

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011519\
 Data File : VF061409.D
 Acq On : 15 Jan 2019 16:25
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
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apatel
 1/16/2019 4:05:49 PM

Quant Time: Jan 16 04:02:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:16:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	179075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	316680	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	283837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	140714	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	224133	102.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	205.22%	
35) Dibromofluoromethane	4.11	113	241984	94.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	189.06%	
50) Toluene-d8	7.54	98	696467	100.65	ug/l	0.00
Spiked Amount 50.000			Recovery	=	201.30%	
62) 4-Bromofluorobenzene	11.41	95	293819	87.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	175.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.95	85	355341	100.126	ug/l	89
3) Chloromethane	1.10	50	233233	86.690	ug/l	98
4) Vinyl Chloride	1.14	62	216027	91.157	ug/l	99
5) Bromomethane	1.34	94	142580	87.867	ug/l	99
6) Chloroethane	1.39	64	90841	84.850	ug/l	98
7) Trichlorofluoromethane	1.49	101	393711	83.440	ug/l	96
8) Diethyl Ether	1.62	74	54932	92.849	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.83	101	202837	92.003	ug/l	95
10) Methyl Iodide	1.90	142	317190m	92.854	ug/l	
11) Tert butyl alcohol	2.57	59	43452	457.354	ug/l	96
12) 1,1-Dichloroethene	1.78	96	148250	90.514	ug/l	97
13) Acrolein	2.00	56	40823	461.936	ug/l	99
14) Allyl chloride	2.09	41	188531	63.991	ug/l	94
15) Acrylonitrile	2.94	53	109318	441.400	ug/l	97
16) Acetone	2.23	43	195133	413.695	ug/l	98
17) Carbon Disulfide	1.83	76	463699m	90.759	ug/l	
18) Methyl Acetate	2.34	43	80467	72.303	ug/l	98
19) Methyl tert-butyl Ether	2.42	73	343728	94.160	ug/l	99
20) Methylene Chloride	2.24	84	143387m	77.293	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	163307m	89.748	ug/l	
22) Diisopropyl ether	2.80	45	548117	95.655	ug/l	98
23) Vinyl Acetate	3.18	43	1289856	591.641	ug/l	99
24) 1,1-Dichloroethane	2.87	63	334976	91.800	ug/l	96
25) 2-Butanone	4.33	43	346948	461.804	ug/l	94
26) 2,2-Dichloropropane	3.59	77	191112	81.300	ug/l	98
27) cis-1,2-Dichloroethene	3.47	96	250983	95.478	ug/l	95
28) Bromochloromethane	3.70	49	140056	82.452	ug/l #	91
29) Tetrahydrofuran	4.06	42	152024	459.925	ug/l	97
30) Chloroform	3.85	83	463831	94.191	ug/l	99
31) Cyclohexane	3.68	56	334858m	89.930	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	323021	86.259	ug/l	97
36) 1,1-Dichloropropene	4.27	75	354266	94.336	ug/l	99
37) Ethyl Acetate	4.11	43	143401	94.046	ug/l #	61
38) Carbon Tetrachloride	3.98	117	279840	68.782	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	359254	86.648	ug/l	96
40) Benzene	4.62	78	734928	86.297	ug/l	99
41) Methacrylonitrile	4.74	41	72489	90.256	ug/l #	91
42) 1,2-Dichloroethane	4.94	62	281003	95.200	ug/l	97
43) Isopropyl Acetate	6.95	43	191626	105.102	ug/l #	90
44) Trichloroethene	5.50	130	223966	85.607	ug/l	100
45) 1,2-Dichloropropane	6.23	63	215957	98.924	ug/l	98
46) Dibromomethane	6.08	93	144872	101.221	ug/l	98
47) Bromodichloromethane	6.38	83	363713	103.855	ug/l	98
48) Methyl methacrylate	6.70	41	125563	102.009	ug/l	94
49) 1,4-Dioxane	6.70	88	16418	1785.752	ug/l #	88
51) 4-Methyl-2-Pentanone	8.25	43	619525	433.879	ug/l	98
52) Toluene	7.62	92	502154	88.796	ug/l	96
53) t-1,3-Dichloropropene	8.27	75	282916	100.139	ug/l	97
54) cis-1,3-Dichloropropene	7.30	75	349805	98.441	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	154140	100.287	ug/l	99
56) Ethyl methacrylate	8.62	69	182883	103.829	ug/l	96
57) 1,3-Dichloropropane	8.84	76	297789	104.445	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.29	63	102200	857.686	ug/l	97
59) 2-Hexanone	9.49	43	444820	447.549	ug/l	99
60) Dibromochloromethane	8.71	129	238849	109.339	ug/l	98
61) 1,2-Dibromoethane	8.98	107	178193	101.330	ug/l	96
64) Tetrachloroethene	8.14	164	221164	102.290	ug/l	95
65) Chlorobenzene	9.79	112	547167	90.967	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.93	131	228106	96.877	ug/l	98
67) Ethyl Benzene	9.89	91	993864	89.237	ug/l	99
68) m/p-Xylenes	10.13	106	718660	178.862	ug/l	92
69) o-Xylene	10.71	106	401485	93.551	ug/l	91
70) Styrene	10.79	104	531443	89.217	ug/l	100
71) Bromoform	10.77	173	112186	110.558	ug/l #	99
73) Isopropylbenzene	11.12	105	1043425	84.903	ug/l	96
74) N-amyl acetate	11.37	43	273832	97.015	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.69	83	196940	92.138	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	139947	91.087	ug/l	98
77) Bromobenzene	11.49	156	240645	95.931	ug/l	91
78) n-propylbenzene	11.59	91	1222252	81.637	ug/l	99
79) 2-Chlorotoluene	11.71	91	719933	84.612	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	876129	89.309	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.86	75	67406m	83.152	ug/l	
82) 4-Chlorotoluene	11.89	91	779138	92.452	ug/l	99
83) tert-Butylbenzene	12.13	119	905940	88.809	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	885806	87.287	ug/l	98
85) sec-Butylbenzene	12.31	105	1210473	87.251	ug/l	97
86) p-Isopropyltoluene	12.45	119	964918	83.544	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	434707	84.297	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	447470	94.722	ug/l	96
89) n-Butylbenzene	12.84	91	1003942	84.102	ug/l	96
90) Hexachloroethane	12.92	117	263754	103.453	ug/l	88
91) 1,2-Dichlorobenzene	12.94	146	423920	88.216	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.64	75	36426	100.535	ug/l	83

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QLast Update : Wed Jan 16 03:16:25 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	303451	90.480	ug/l	98
94) Hexachlorobutadiene	14.19	225	201512	99.227	ug/l	99
95) Naphthalene	14.46	128	654287	109.602	ug/l	99
96) 1,2,3-Trichlorobenzene	14.59	180	293961	97.581	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

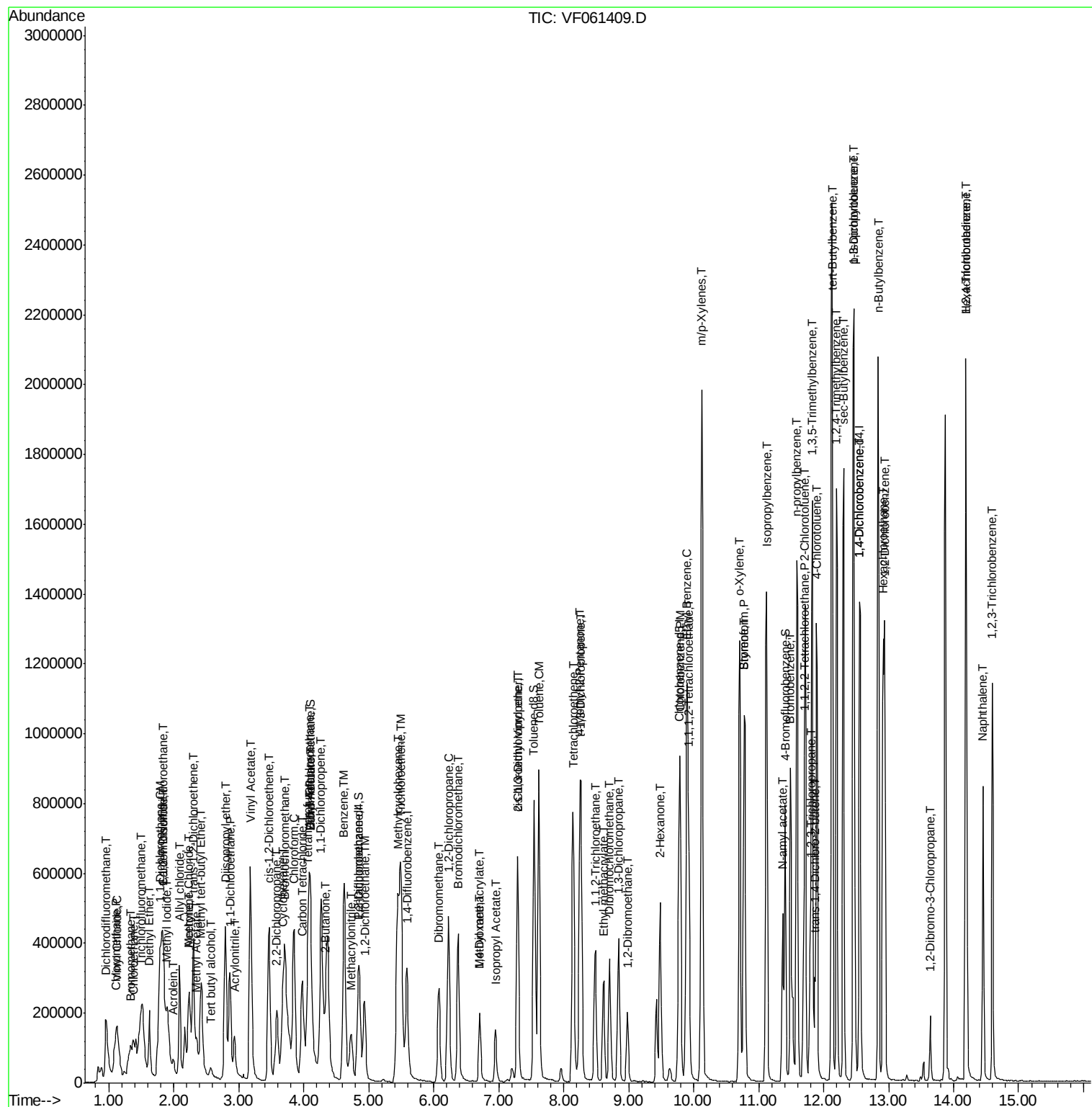
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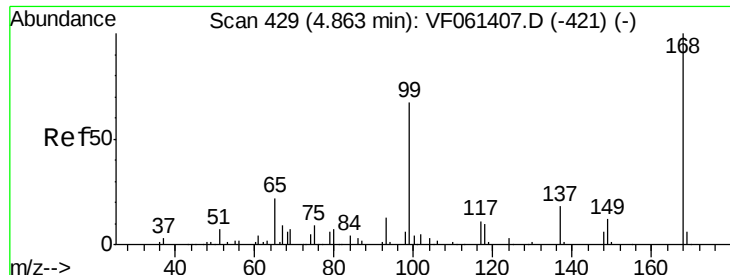
Instrument :
MSVOA_F
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 179075

Ion Ratio Lower Upper

168 100

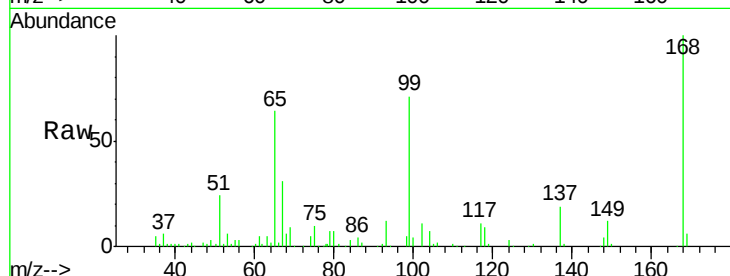
99 71.3 53.5 80.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

60000

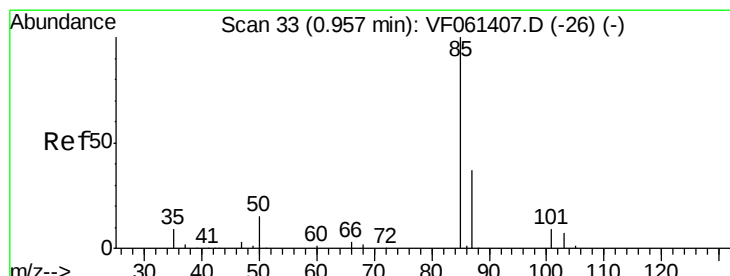
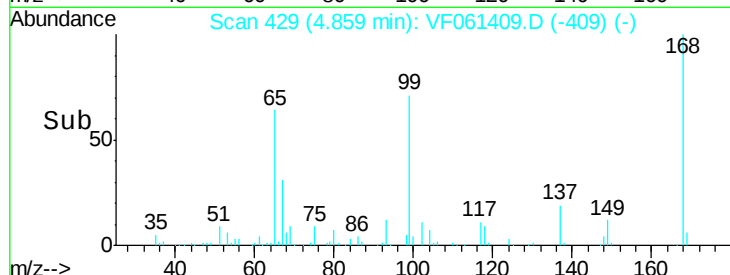
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 100.126 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061409.D

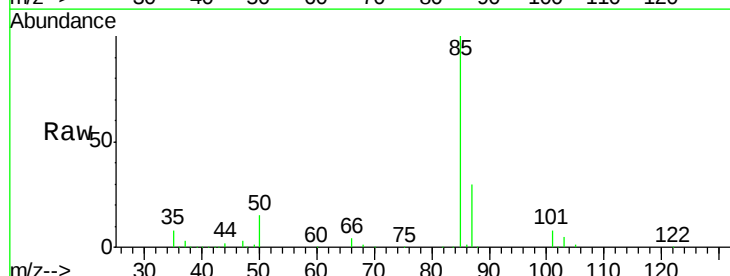
Acq: 15 Jan 2019 16:25

Tgt Ion: 85 Resp: 355341

Ion Ratio Lower Upper

85 100

87 30.5 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

100000

80000

60000

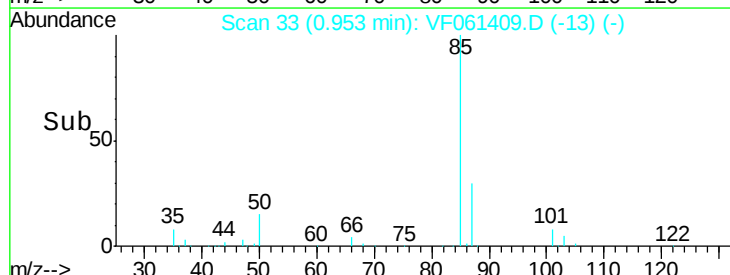
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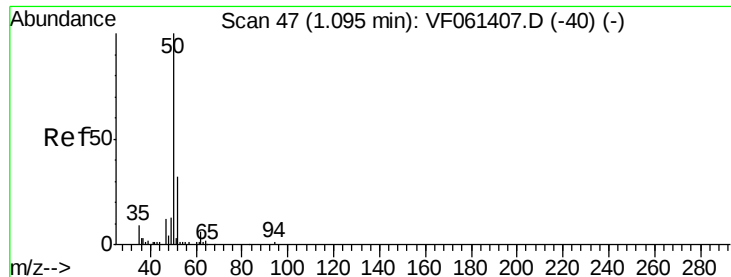
20000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 86.690 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 233233

Ion Ratio Lower Upper

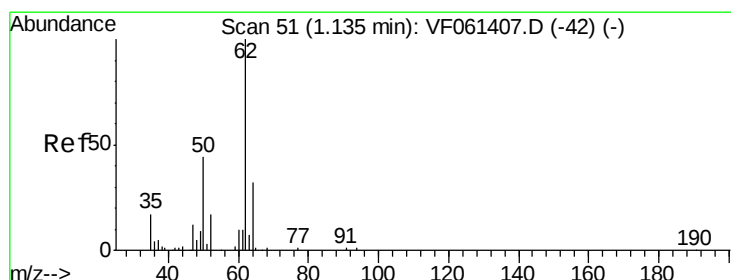
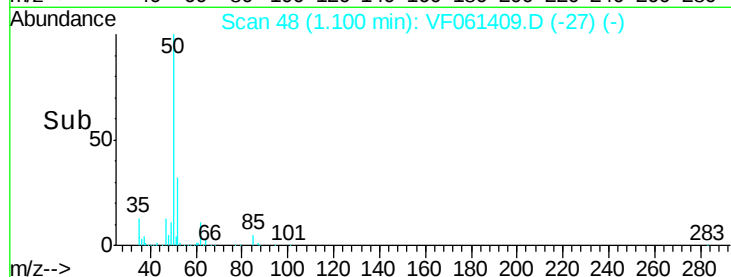
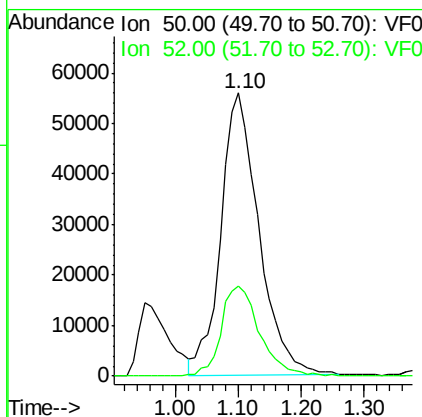
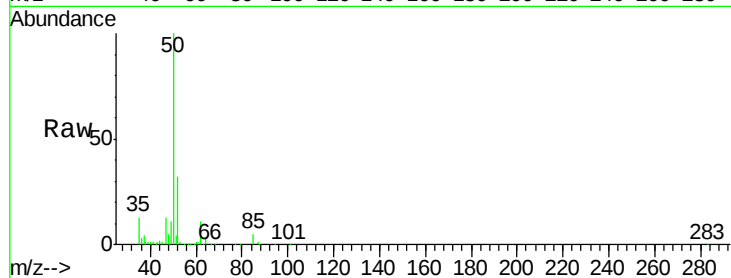
50 100

52 31.9 24.6 36.8

Manual Integrations
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#4

Vinyl Chloride

Concen: 91.157 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061409.D

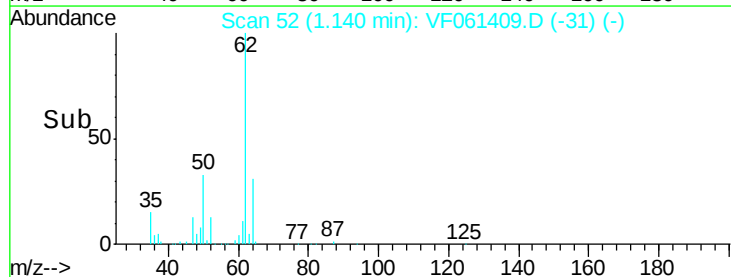
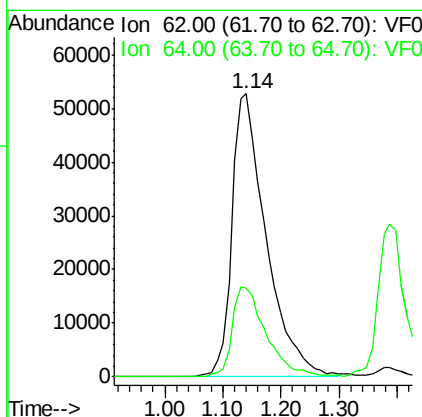
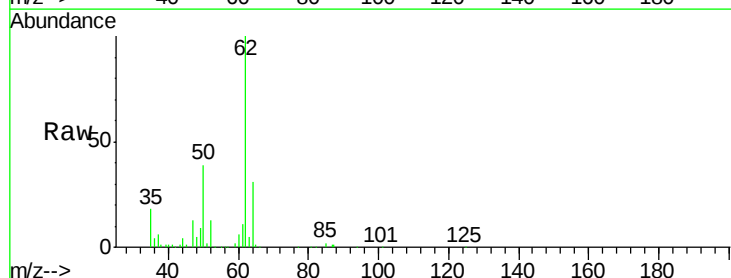
Acq: 15 Jan 2019 16:25

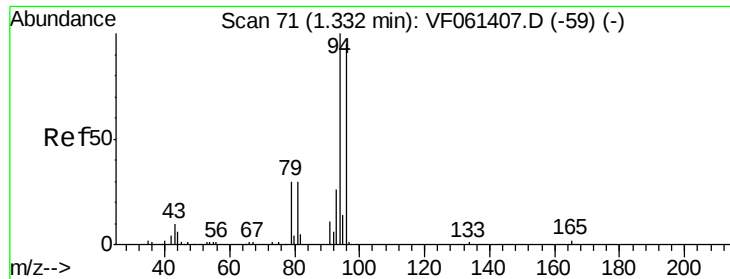
Tgt Ion: 62 Resp: 216027

Ion Ratio Lower Upper

62 100

64 31.3 25.6 38.4





#5

Bromomethane

Concen: 87.867 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 142580

Ion Ratio Lower Upper

94 100

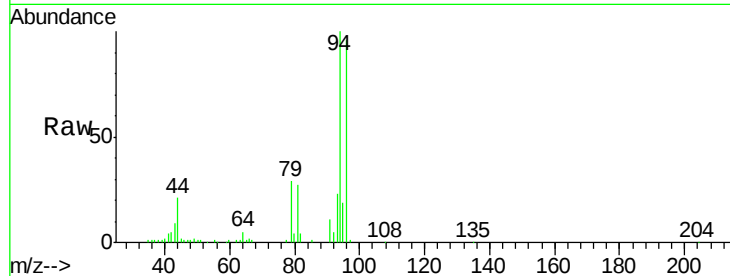
96 96.1 76.0 114.0

Manual Integrations

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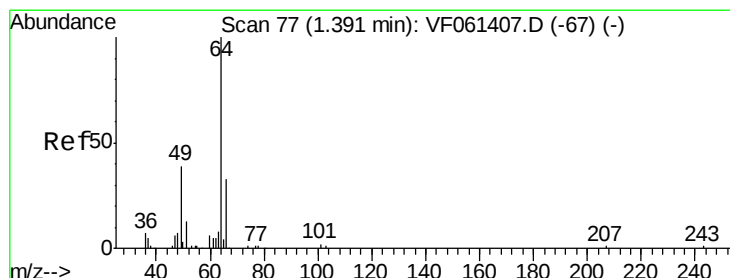
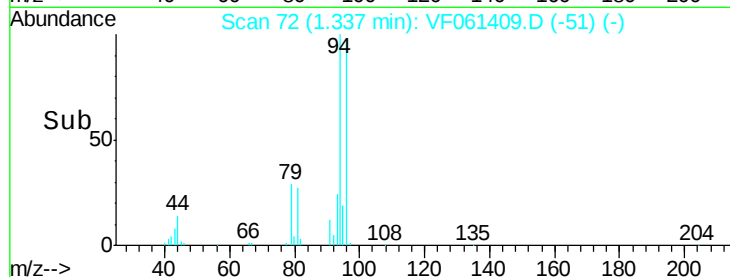
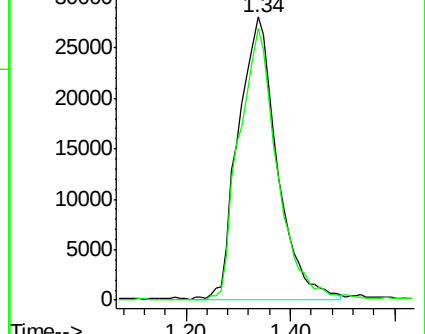
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 84.850 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061409.D

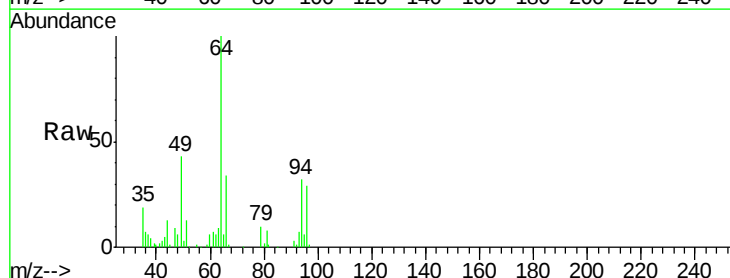
Acq: 15 Jan 2019 16:25

Tgt Ion: 64 Resp: 90841

Ion Ratio Lower Upper

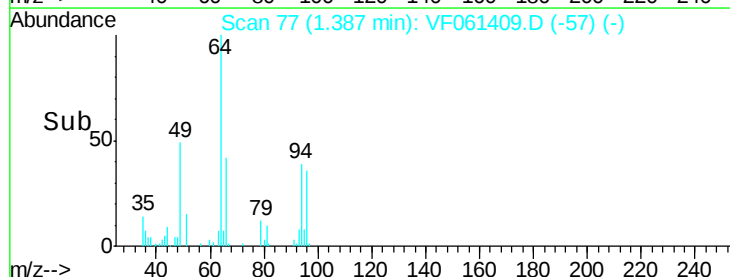
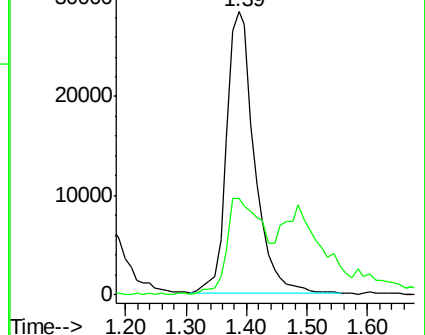
64 100

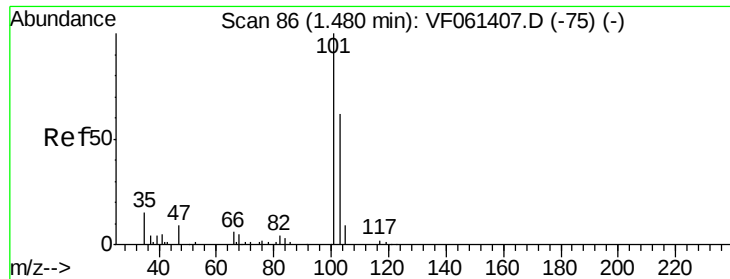
66 34.2 26.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

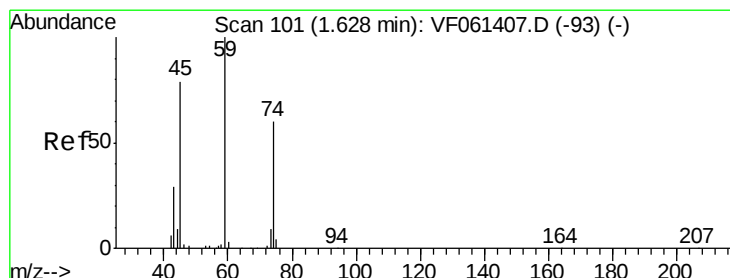
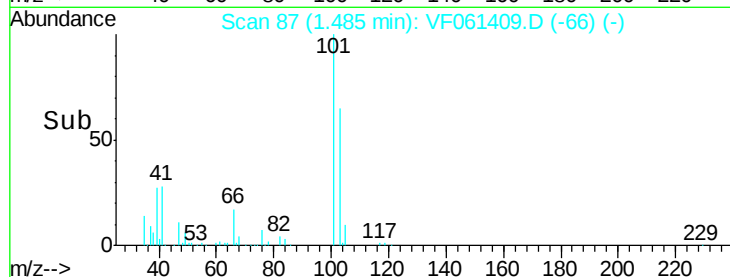
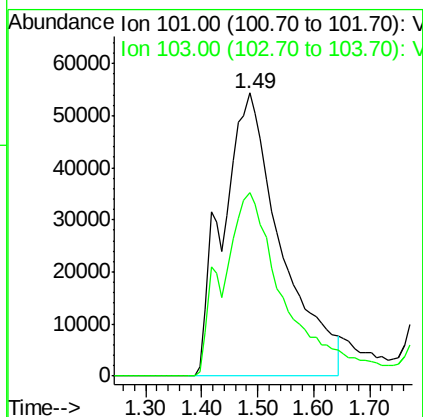
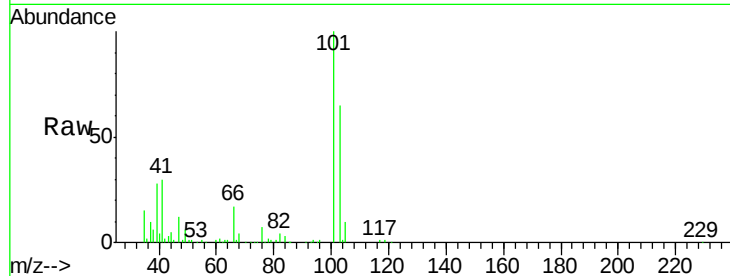
Trichlorofluoromethane
 Concen: 83.440 ug/l
 RT: 1.49 min Scan# 87
 Delta R.T. 0.01 min
 Lab File: VF061409.D
 Acq: 15 Jan 2019 16:25

Instrument :
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 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		393711		
103	64.9	49.7	74.5		

Manual Integrations
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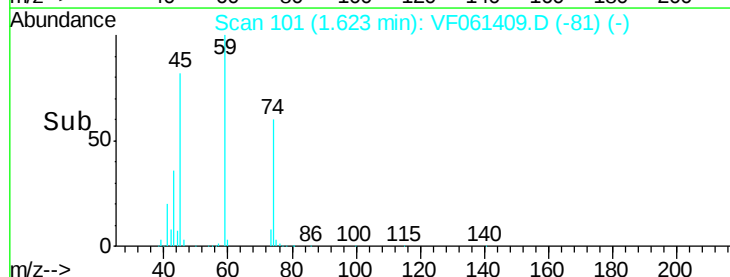
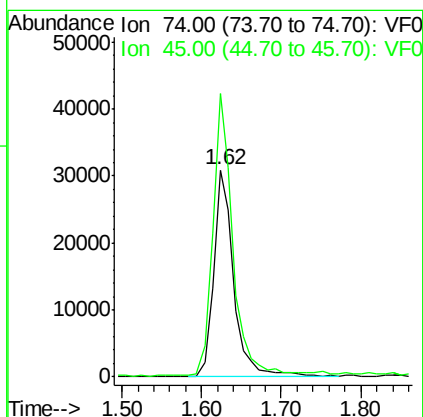
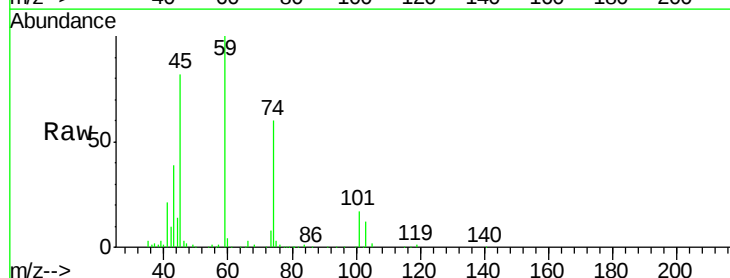
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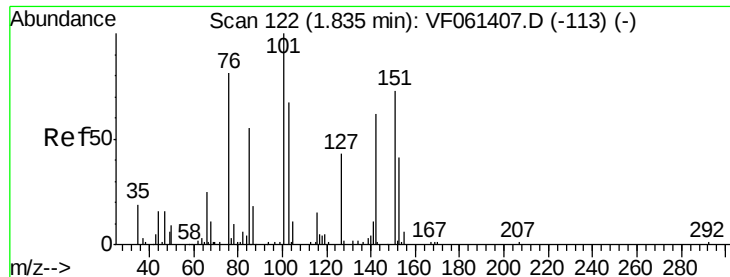


#8

Diethyl Ether
 Concen: 92.849 ug/l
 RT: 1.62 min Scan# 101
 Delta R.T. -0.00 min
 Lab File: VF061409.D
 Acq: 15 Jan 2019 16:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		54932		
45	137.0	65.8	197.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 92.003 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

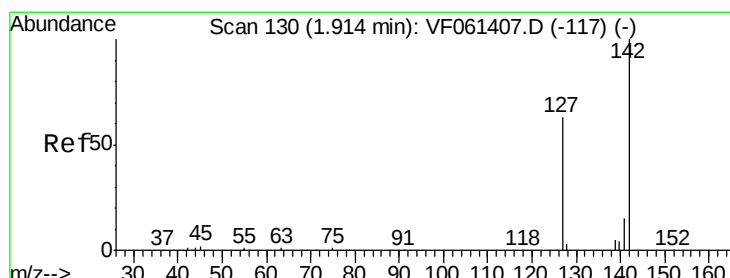
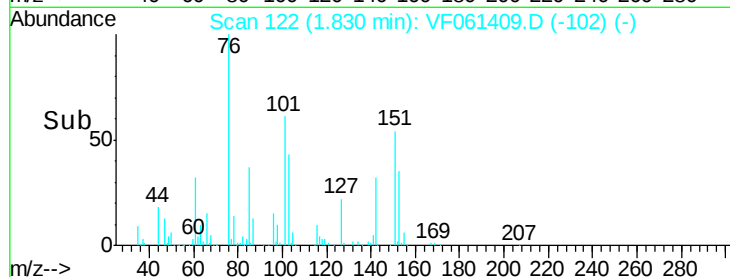
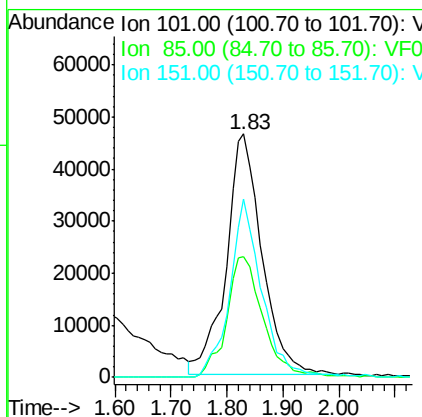
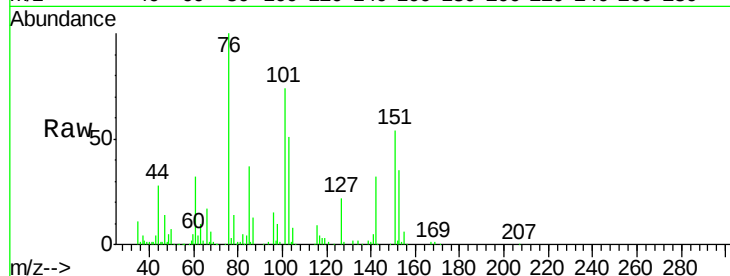
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	202837
Ion Ratio	Lower	Upper	
101	100		
85	49.7	41.9	62.9
151	73.2	55.1	82.7

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#10

Methyl Iodide

Concen: 92.854 ug/l m

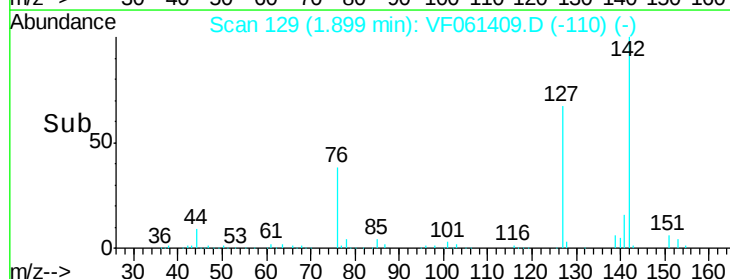
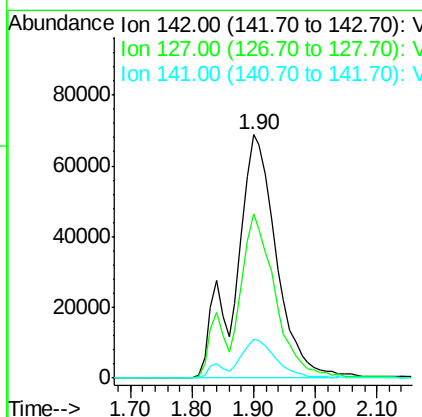
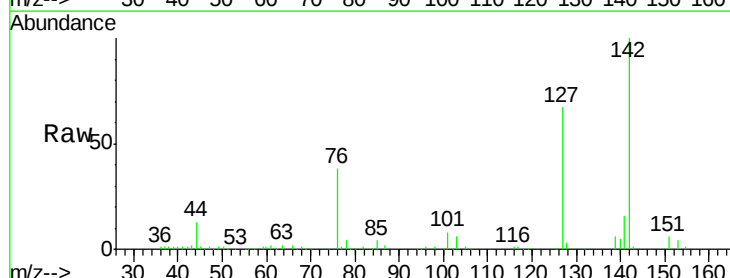
RT: 1.90 min Scan# 129

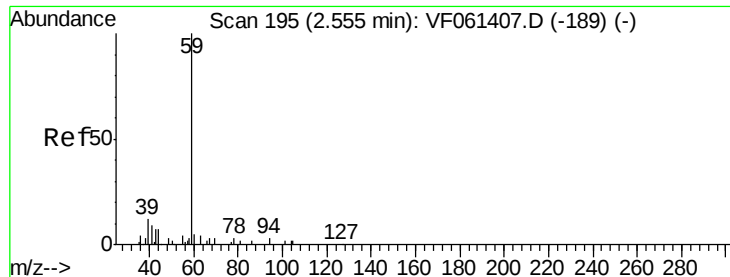
Delta R.T. -0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Tgt Ion:	142	Resp:	317190
Ion Ratio	Lower	Upper	
142	100		
127	67.4	50.7	76.1
141	15.9	11.8	17.6





#11

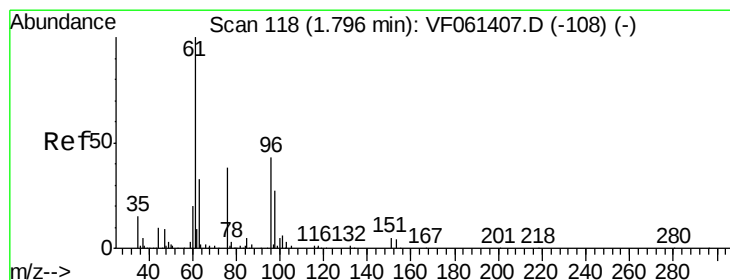
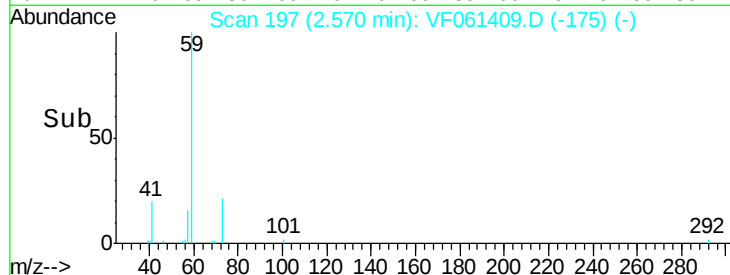
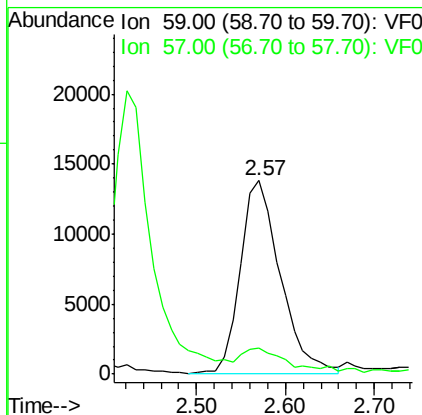
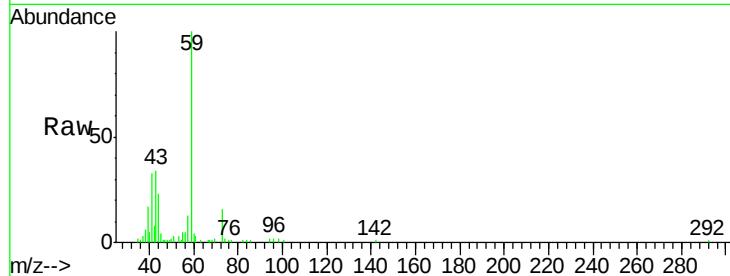
Tert butyl alcohol
 Concen: 457.354 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. 0.02 min
 Lab File: VF061409.D
 Acq: 15 Jan 2019 16:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	59.00 (58.70 to 59.70): VF0	Resp	43452
Ion Ratio	Lower	Upper	
59	100		
57	13.2	11.9	17.9

Manual Integrations
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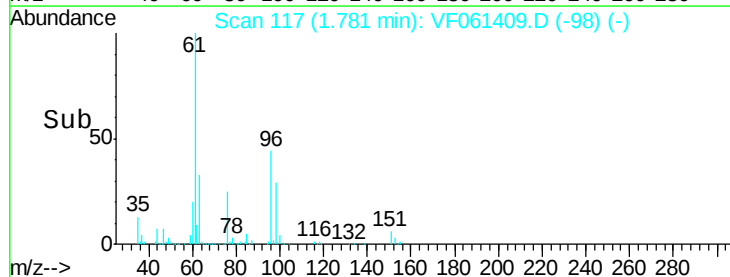
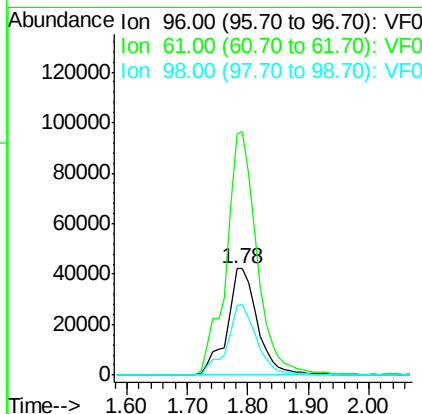
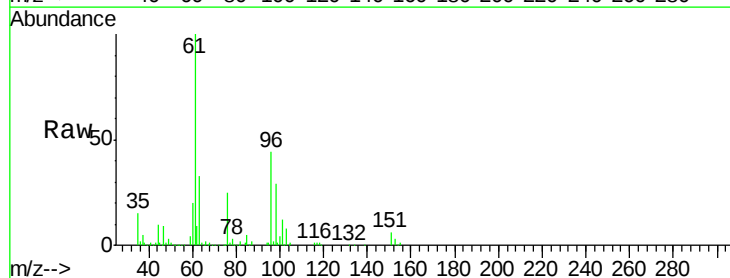
apatel
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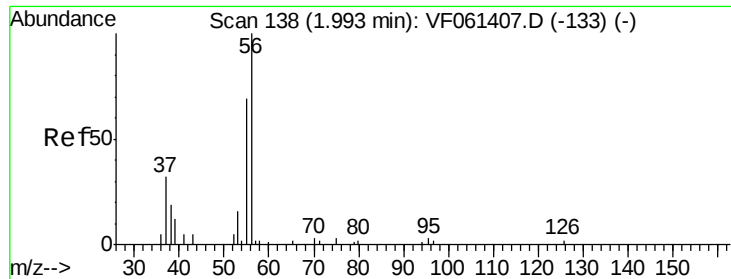


#12

1,1-Dichloroethene
 Concen: 90.514 ug/l
 RT: 1.78 min Scan# 117
 Delta R.T. -0.01 min
 Lab File: VF061409.D
 Acq: 15 Jan 2019 16:25

Tgt Ion	96.00 (95.70 to 96.70): VF0	Resp	148250
Ion Ratio	Lower	Upper	
96	100		
61	227.4	186.9	280.3
98	65.9	53.0	79.4





#13

Acrolein

Concen: 461.936 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 40823

Ion Ratio Lower Upper

56 100

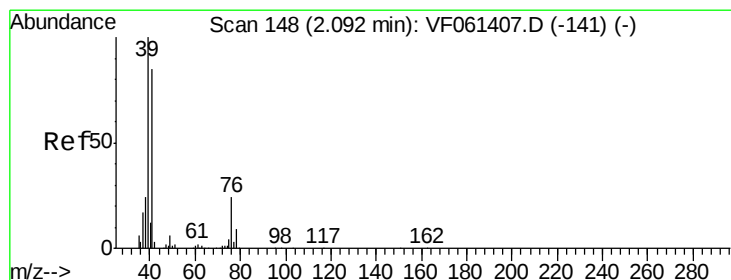
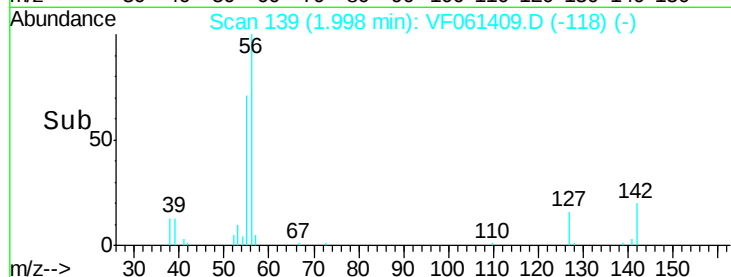
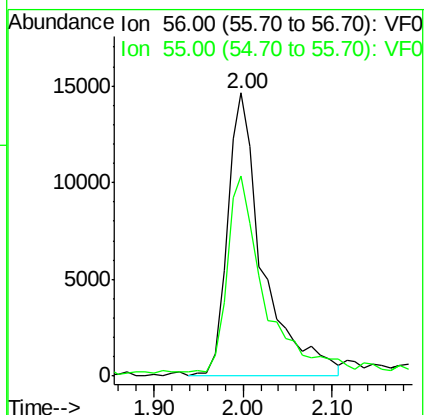
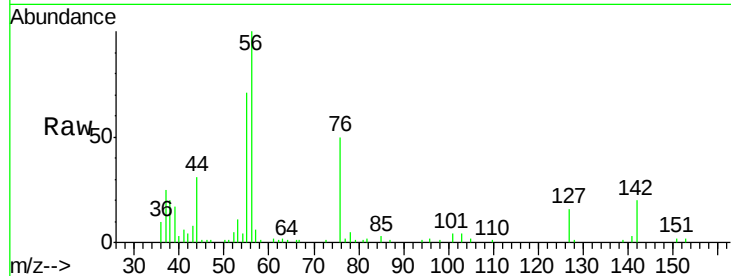
55 70.8 57.5 86.3

Manual Integrations

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#14

Allyl chloride

Concen: 63.991 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

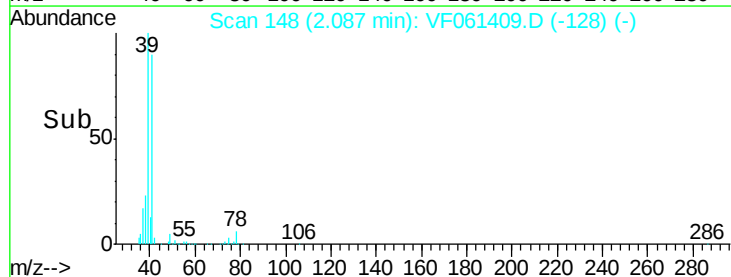
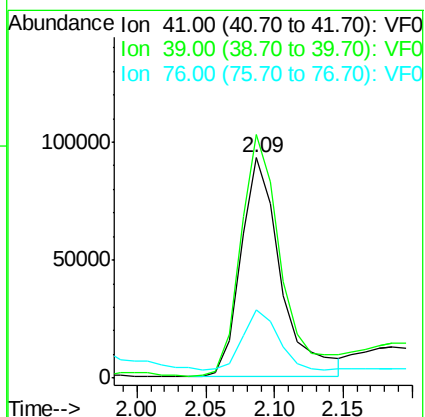
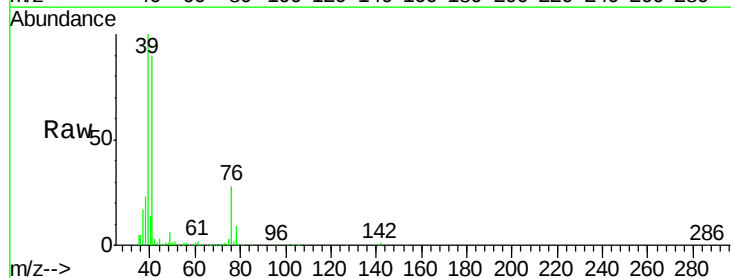
Tgt Ion: 41 Resp: 188531

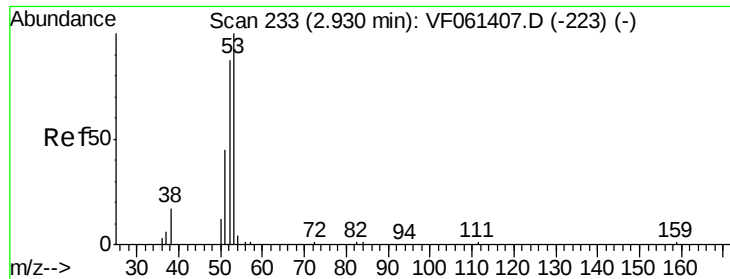
Ion Ratio Lower Upper

41 100

39 110.6 94.6 141.8

76 31.0 25.9 38.9





#15

Acrylonitrile

Concen: 441.400 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

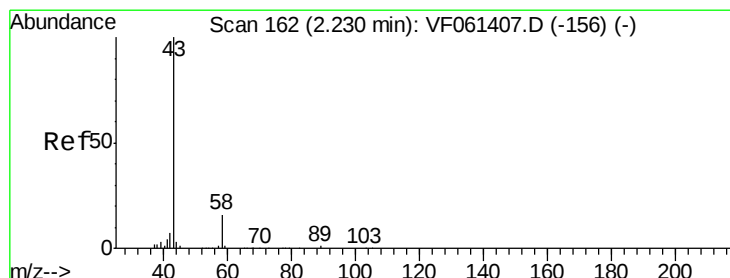
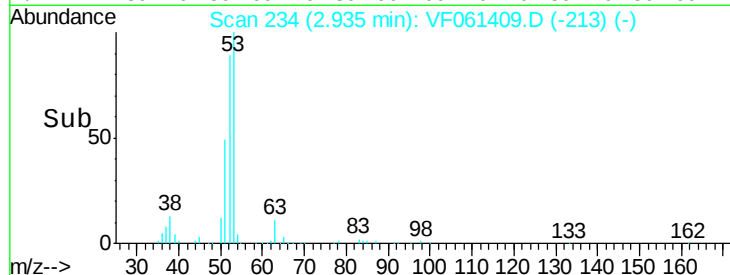
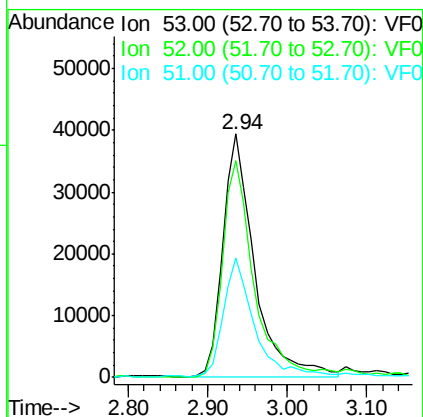
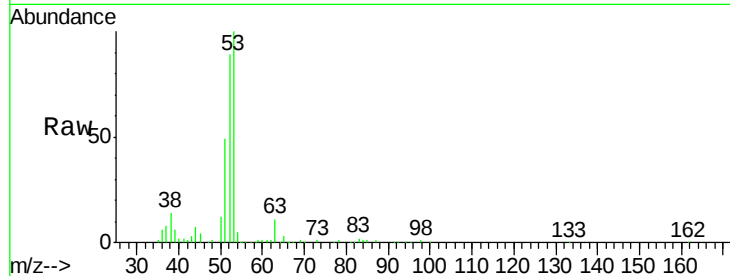
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	109318
Ion Ratio	Lower	Upper	
53	100		
52	88.9	69.6	104.4
51	48.9	36.8	55.2

Manual Integrations
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#16

Acetone

Concen: 413.695 ug/l

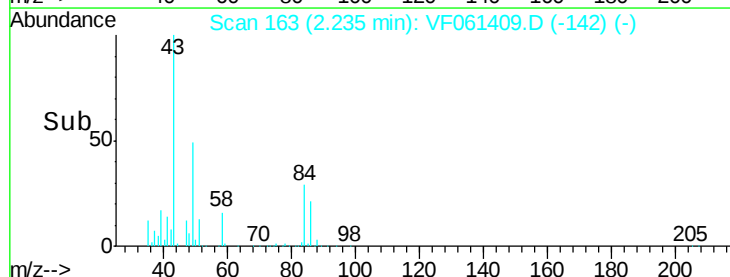
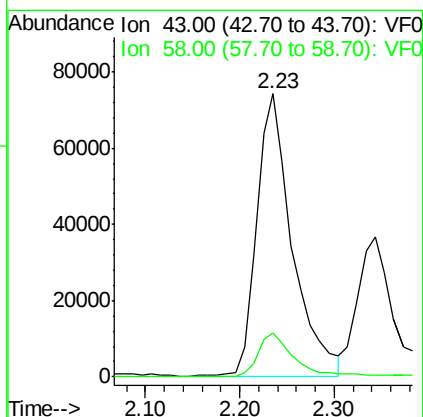
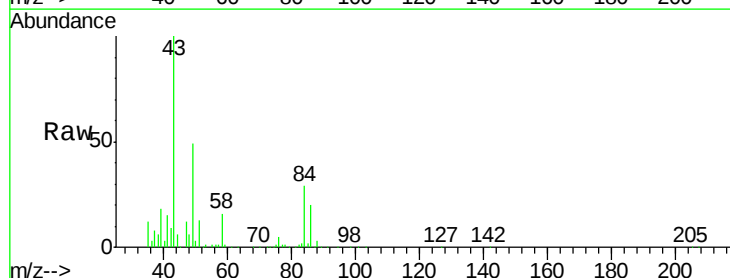
RT: 2.23 min Scan# 163

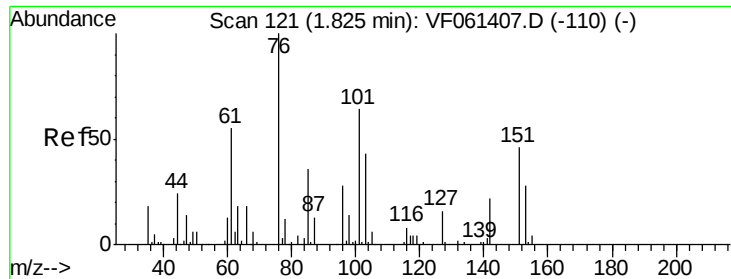
Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Tgt Ion:	43	Resp:	195133
Ion Ratio	Lower	Upper	
43	100		
58	15.7	13.3	19.9





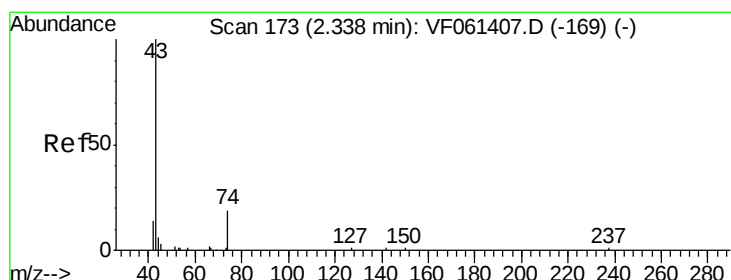
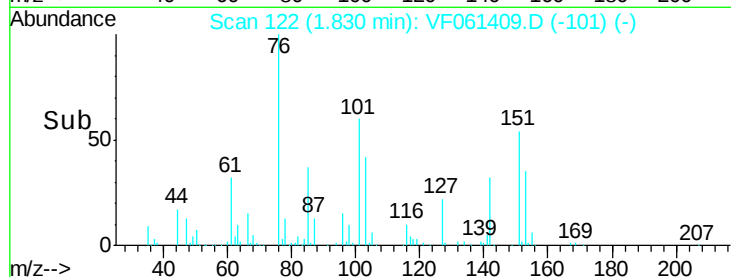
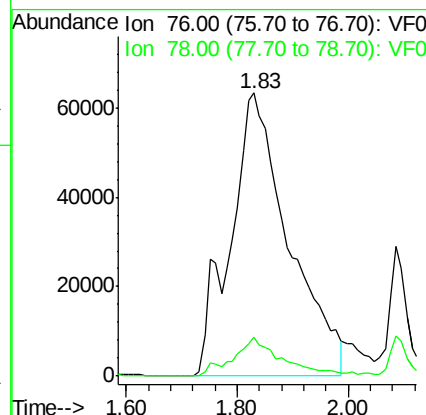
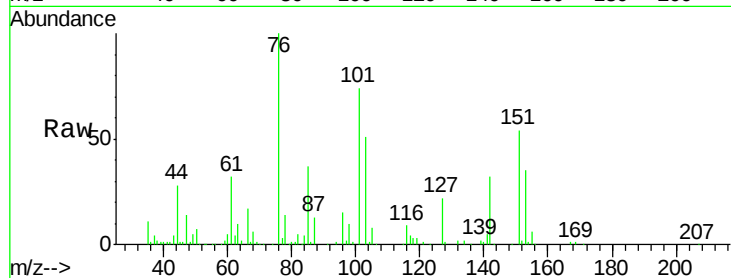
#17
Carbon Disulfide
Concen: 90.759 ug/l m
RT: 1.83 min Scan# 122
Delta R.T. 0.01 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 463699
Ion Ratio Lower Upper
76 100
78 13.7 9.6 14.4

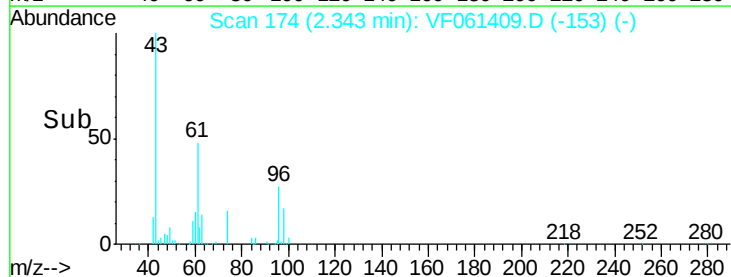
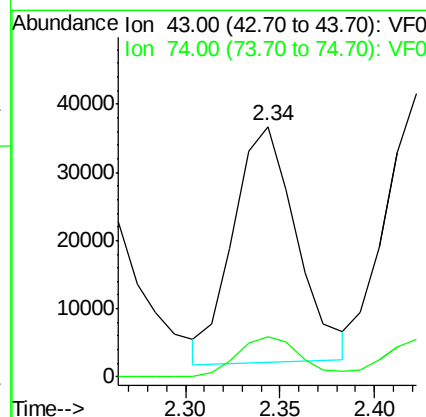
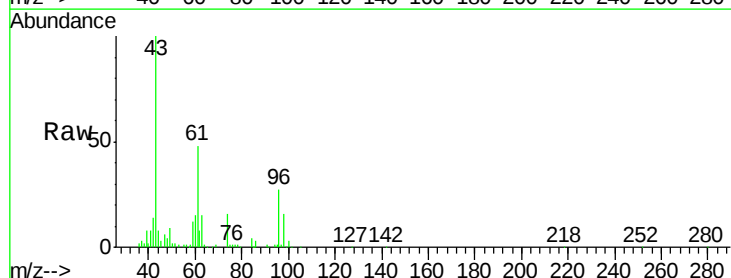
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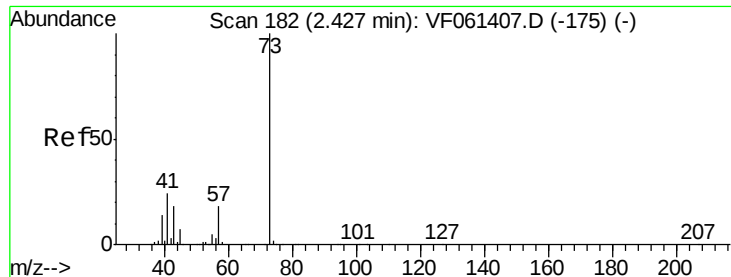
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#18
Methyl Acetate
Concen: 72.303 ug/l
RT: 2.34 min Scan# 174
Delta R.T. 0.01 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Tgt Ion: 43 Resp: 80467
Ion Ratio Lower Upper
43 100
74 15.9 13.4 20.0





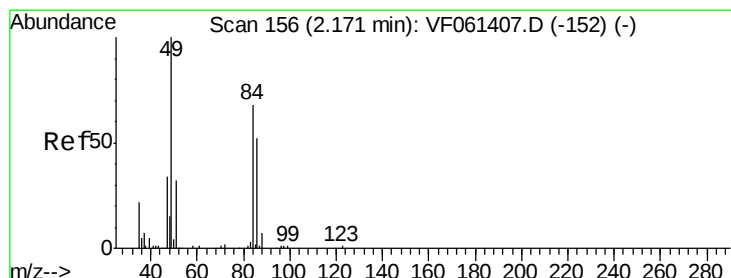
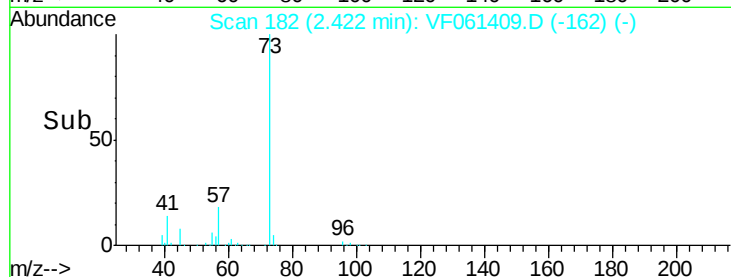
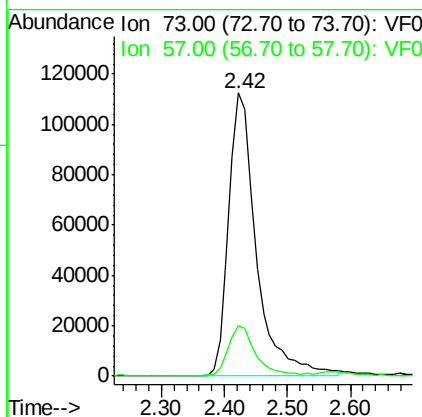
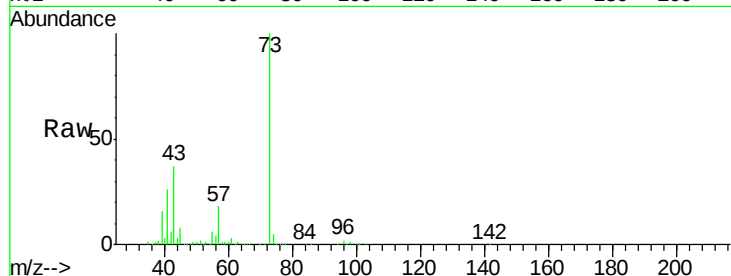
#19
Methvl tert-butvl Ether
Concen: 94.160 ug/l
RT: 2.42 min Scan# 182
Delta R.T. -0.00 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.0	14.8	22.2

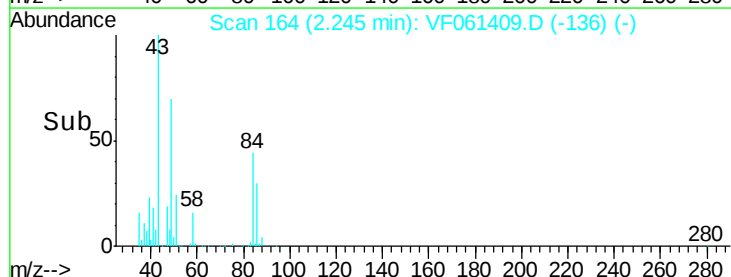
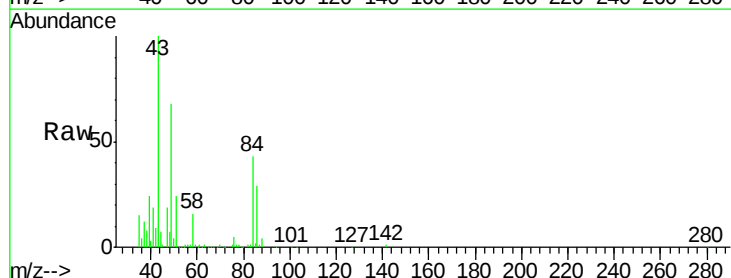
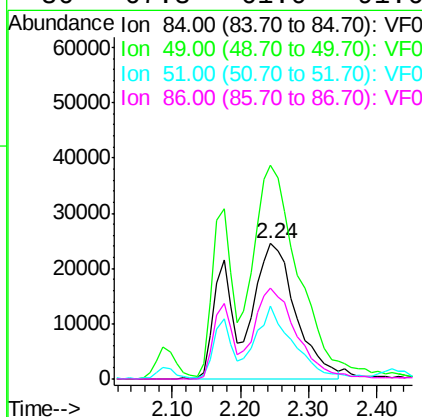
Manual Integrations
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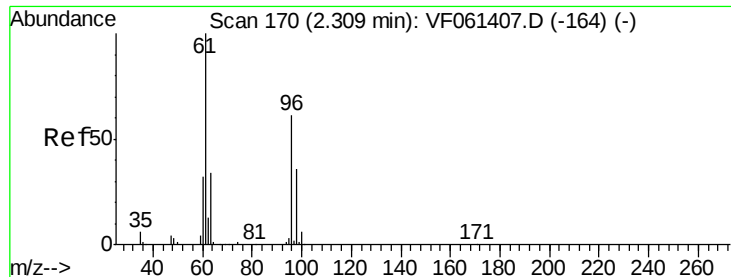
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#20
Methylene Chloride
Concen: 77.293 ug/l m
RT: 2.24 min Scan# 164
Delta R.T. 0.07 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.5	120.0	180.0
51	54.1	38.6	58.0
86	67.3	61.0	91.6





#21

trans-1,2-Dichloroethene

Concen: 89.748 ug/l m

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

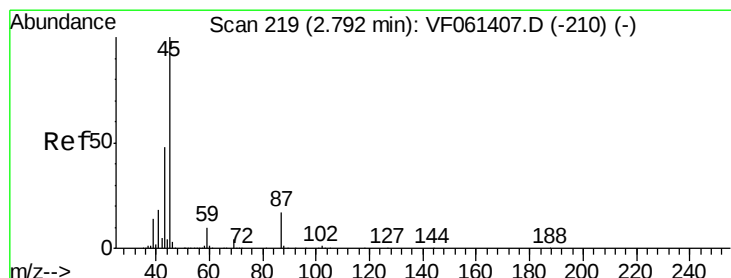
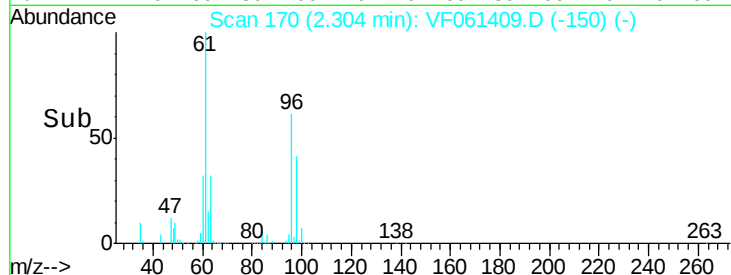
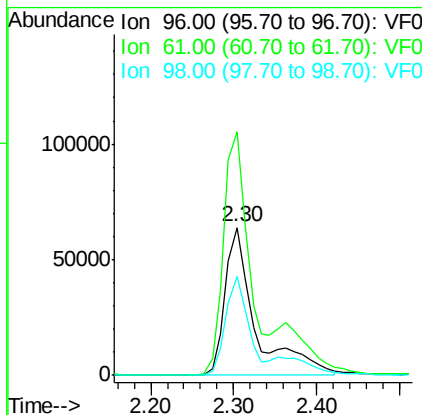
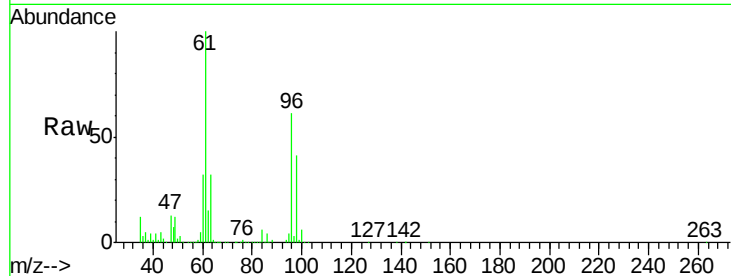
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	163307
Ion	Ratio	Lower	Upper
96	100		
61	164.6	131.8	197.8
98	66.8	47.4	71.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 95.655 ug/l

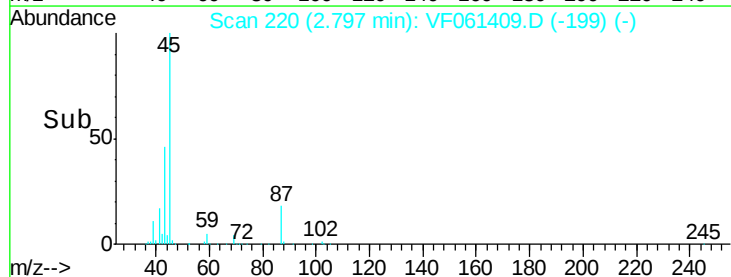
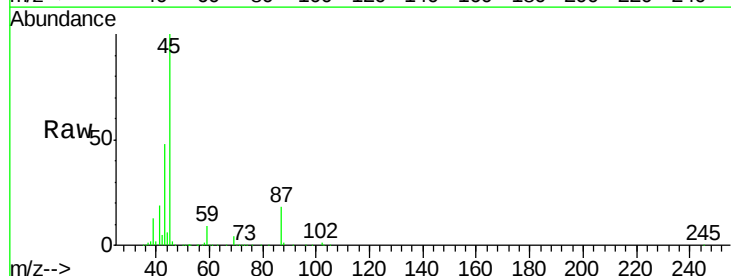
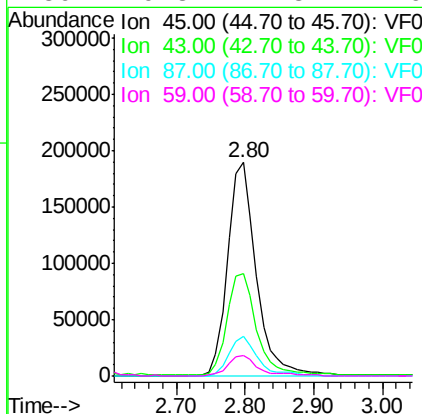
RT: 2.80 min Scan# 220

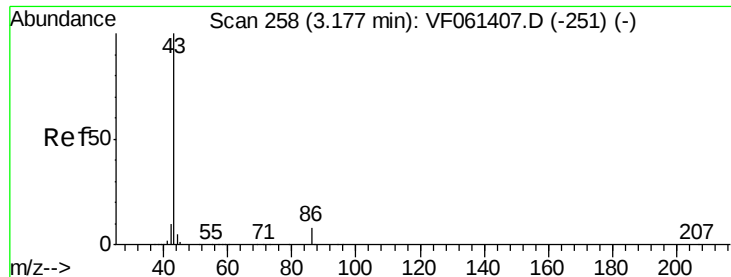
Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Tgt Ion:	45	Resp:	548117
Ion	Ratio	Lower	Upper
45	100		
43	47.8	39.0	58.6
87	18.4	13.9	20.9
59	9.3	7.8	11.6





#23

Vinyl Acetate

Concen: 591.641 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1289856

Ion Ratio Lower Upper

43 100

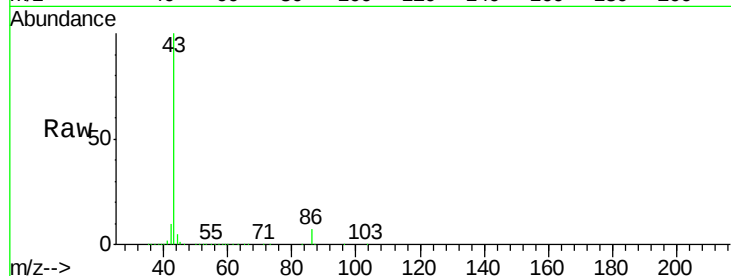
86 7.5 6.2 9.4

Manual Integrations

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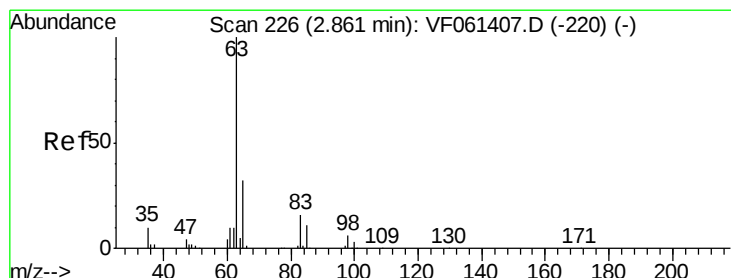
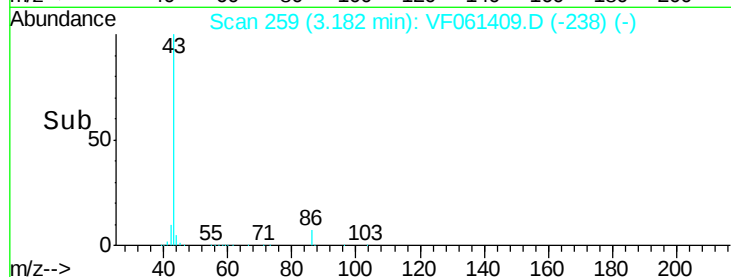
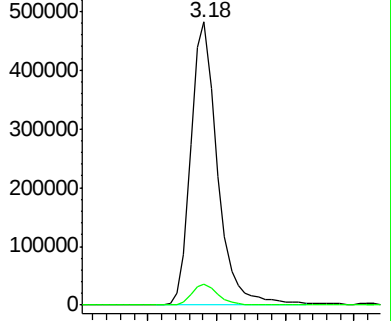
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 91.800 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

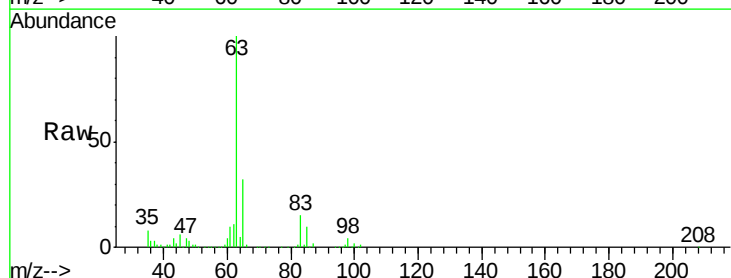
Tgt Ion: 63 Resp: 334976

Ion Ratio Lower Upper

63 100

98 4.1 2.9 8.8

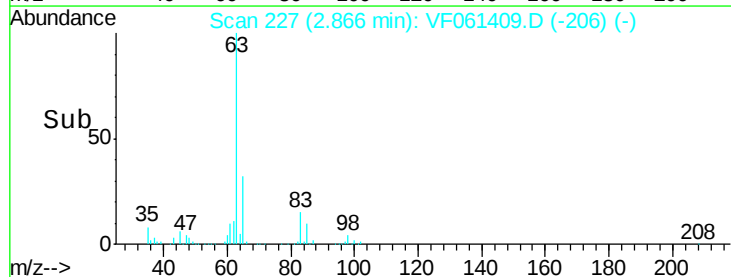
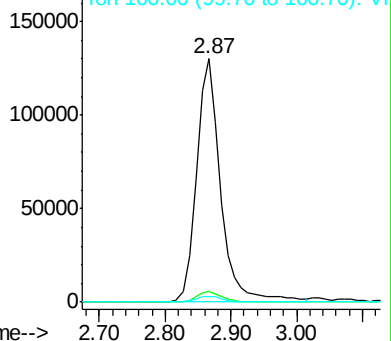
100 2.5 1.6 4.8

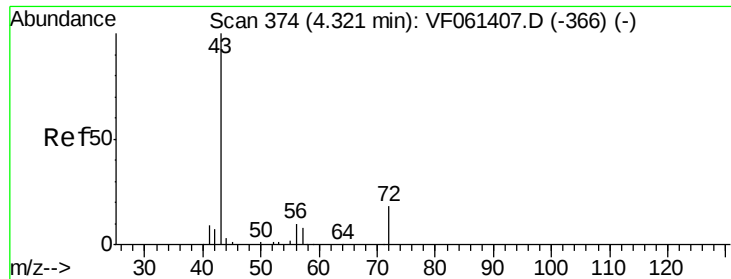


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 461.804 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 346948

Ion Ratio Lower Upper

43 100

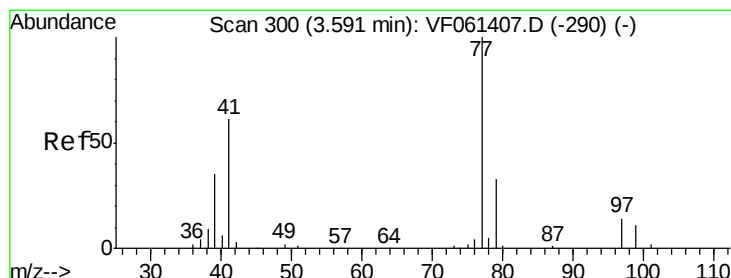
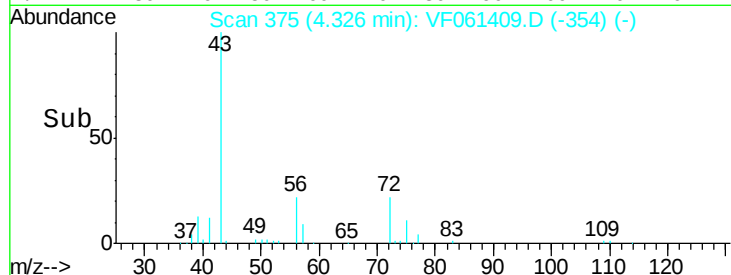
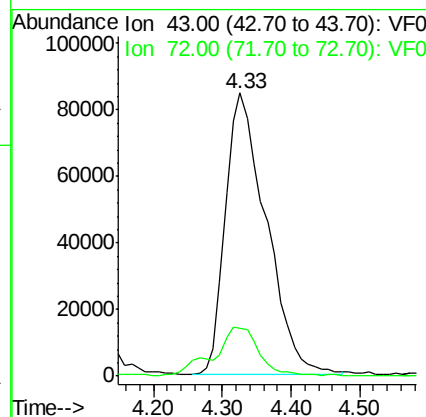
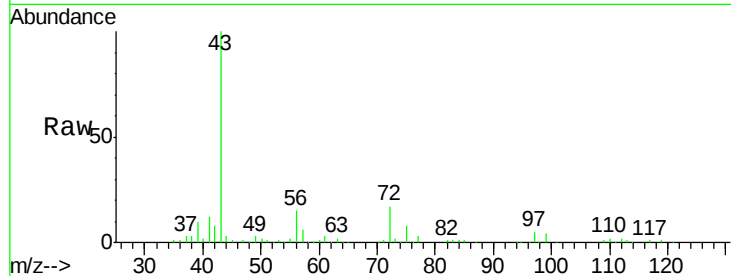
72 16.8 15.8 23.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 81.300 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF061409.D

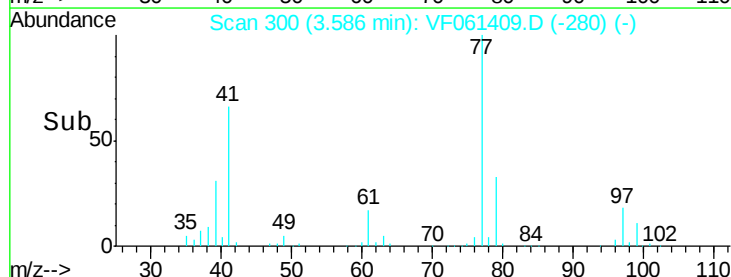
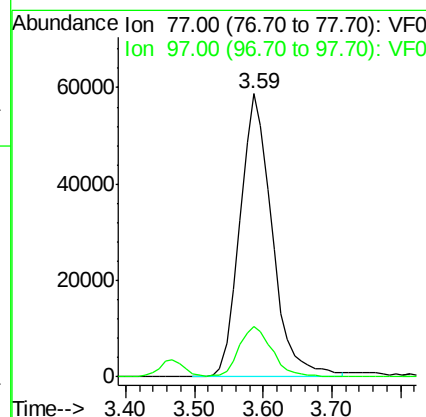
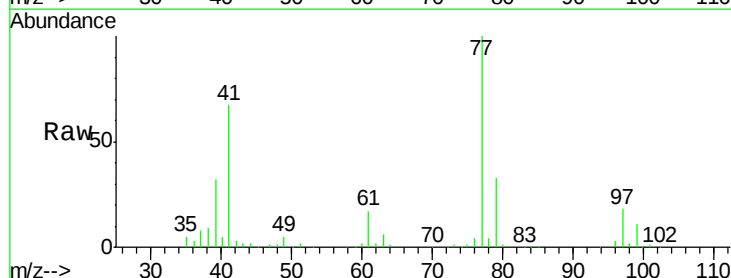
Acq: 15 Jan 2019 16:25

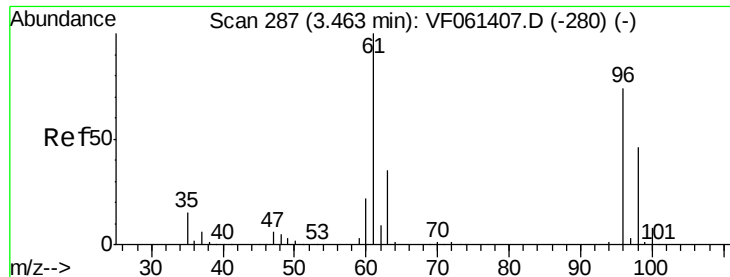
Tgt Ion: 77 Resp: 191112

Ion Ratio Lower Upper

77 100

97 17.9 8.5 25.5





#27

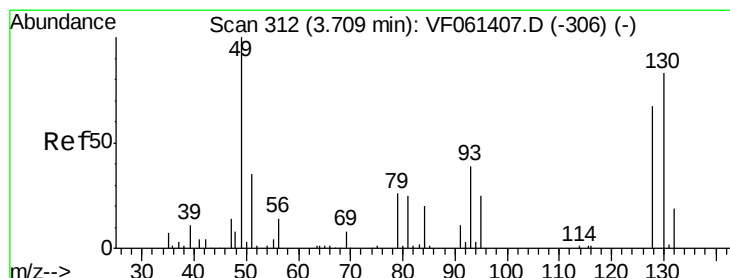
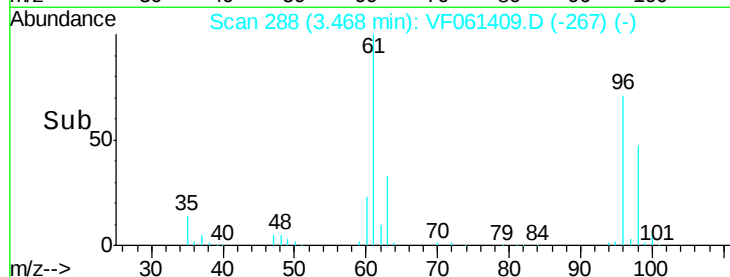
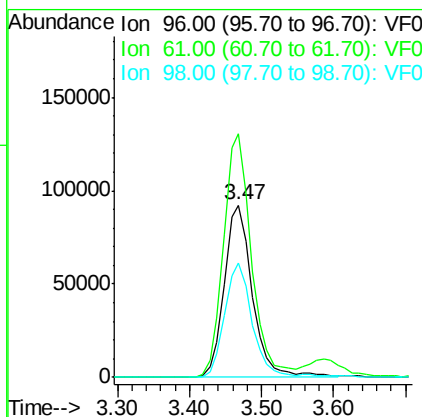
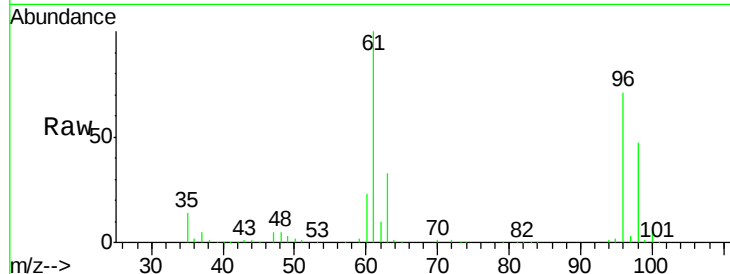
cis-1,2-Dichloroethene
Concen: 95.478 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.01 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	250983		
61	141.3	0.0	270.2	
98	66.1	0.0	124.0	

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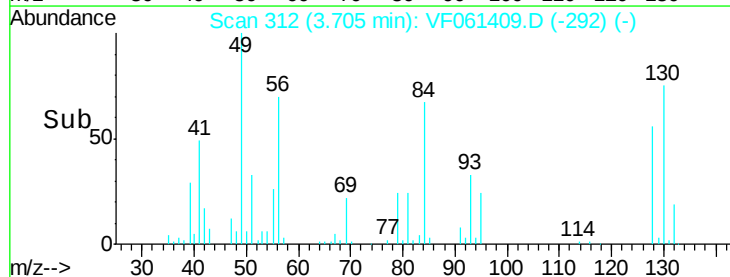
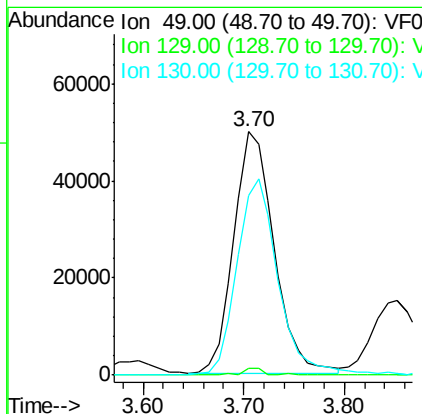
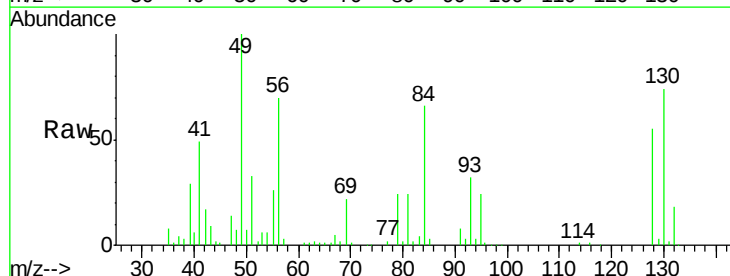
apatel
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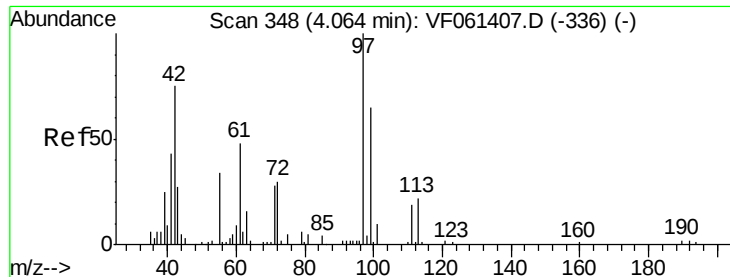


#28

Bromochloromethane
Concen: 82.452 ug/l
RT: 3.70 min Scan# 312
Delta R.T. -0.00 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	140056		
129	2.8	0.0	0.0#	
130	73.9	65.4	98.2	





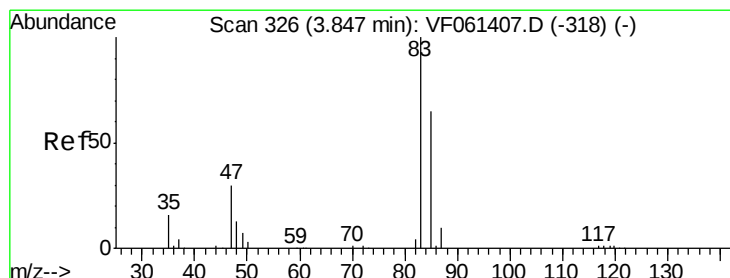
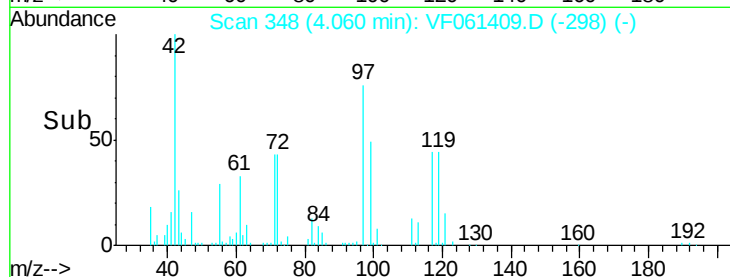
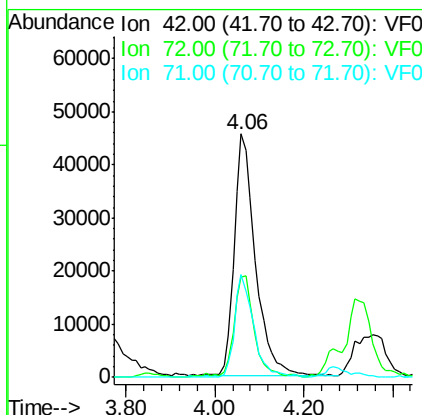
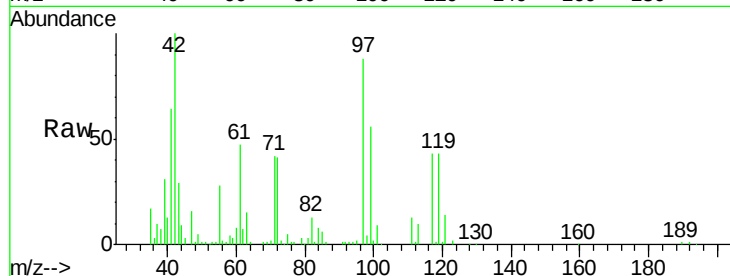
#29
Tetrahydrofuran
Concen: 459.925 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.00 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.7	28.9	43.3
71	37.8	29.6	44.4

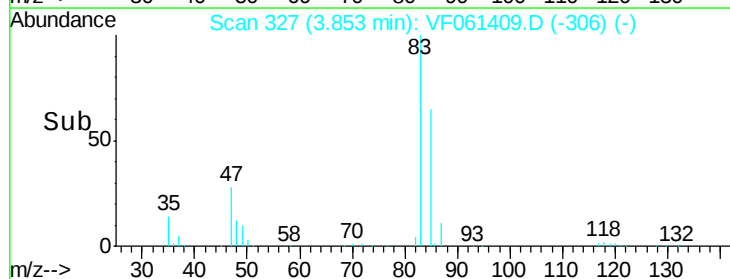
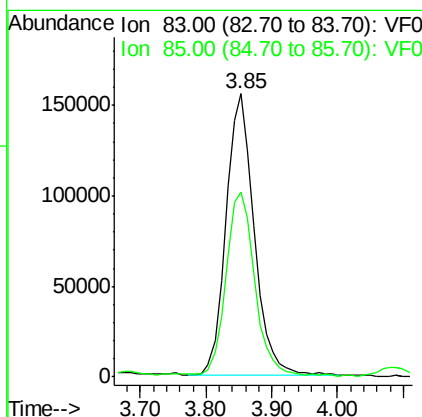
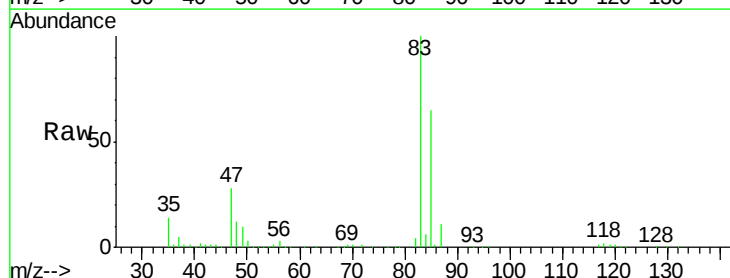
Manual Integrations
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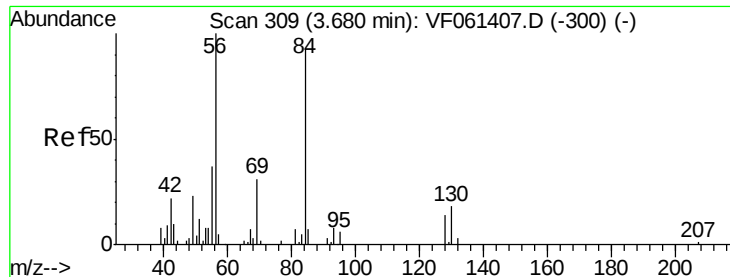
apatel
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#30
Chloroform
Concen: 94.191 ug/l
RT: 3.85 min Scan# 327
Delta R.T. 0.01 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.7	79.1





#31

Cyclohexane

Concen: 89.930 ug/l

RT: 3.68 min Scan# 309

Delta R.T. -0.00 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

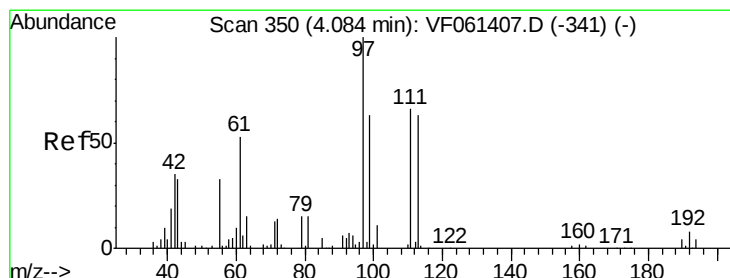
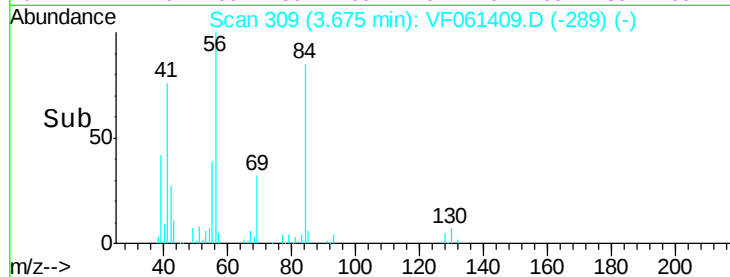
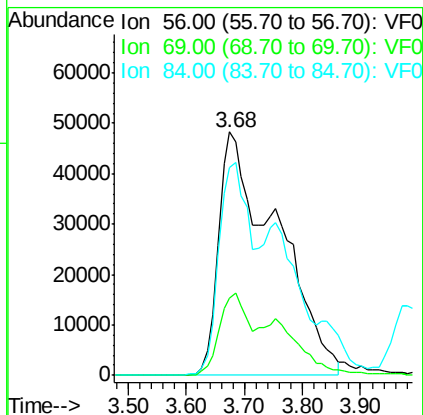
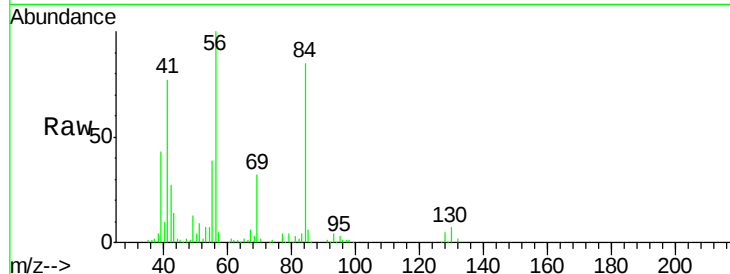
ClientSampleId :

VSTDIC100

Tot Ion:	56	Resp:	334858
Ion Ratio	Lower	Upper	
56	100		
69	31.7	24.6	36.8
84	85.4	74.2	111.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 86.259 ug/l

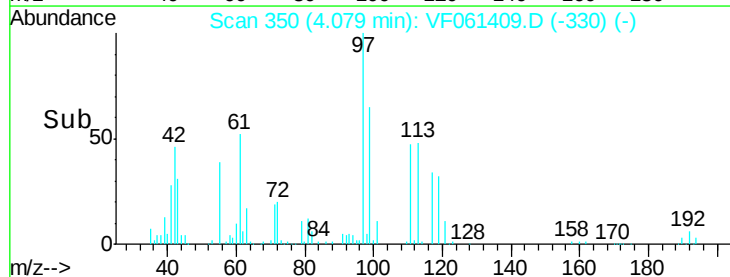
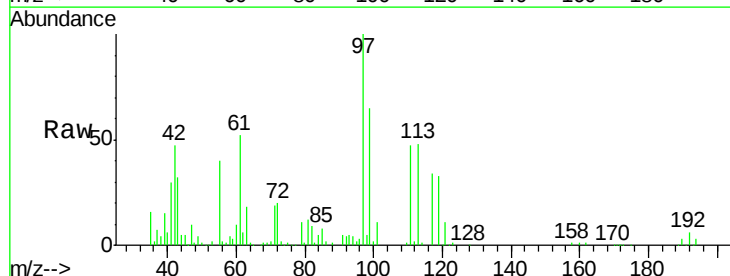
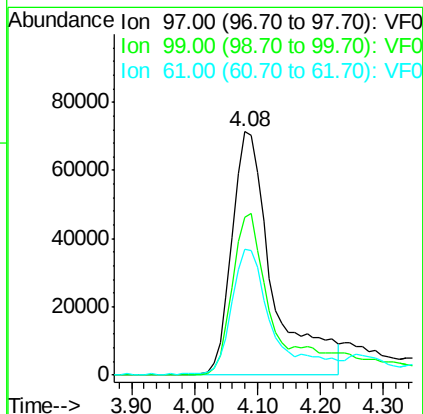
RT: 4.08 min Scan# 350

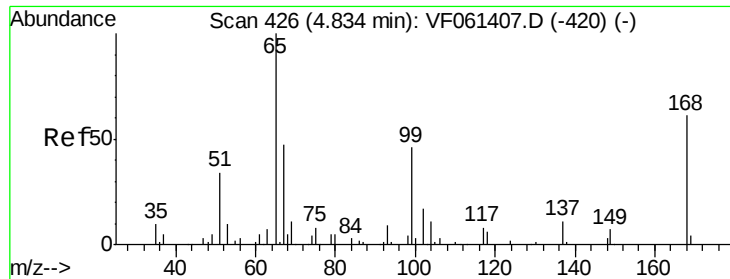
Delta R.T. -0.00 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Tgt Ion:	97	Resp:	323021
Ion Ratio	Lower	Upper	
97	100		
99	64.7	50.1	75.1
61	51.9	43.1	64.7





#33

1,2-Dichloroethane-d4

Concen: 102.609 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Tot Ion: 65 Resp: 224133

Ion Ratio Lower Upper

65 100

67 49.5 0.0 99.8

Instrument :

MSVOA_F

ClientSampleId :

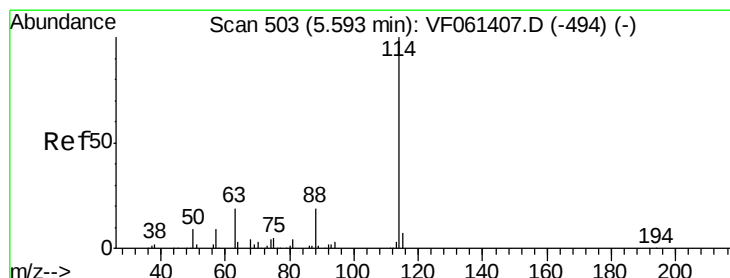
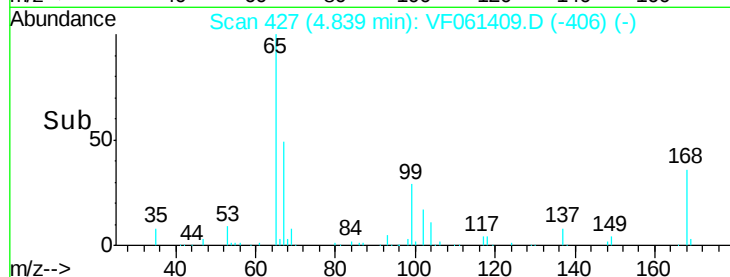
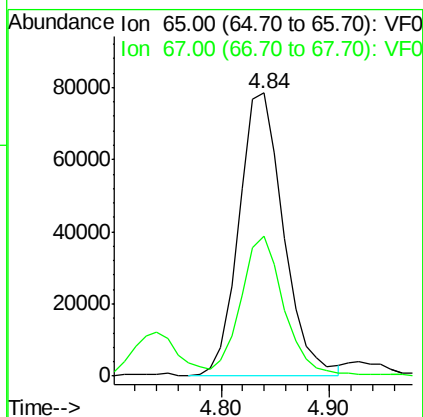
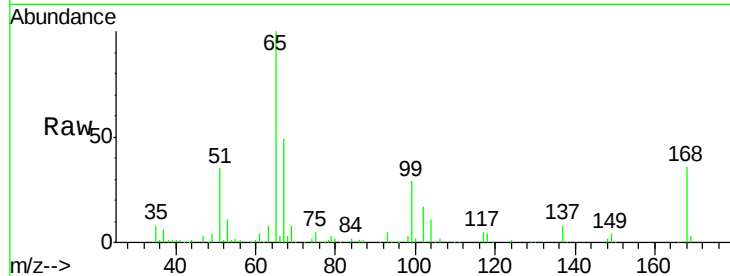
VSTDIC100

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

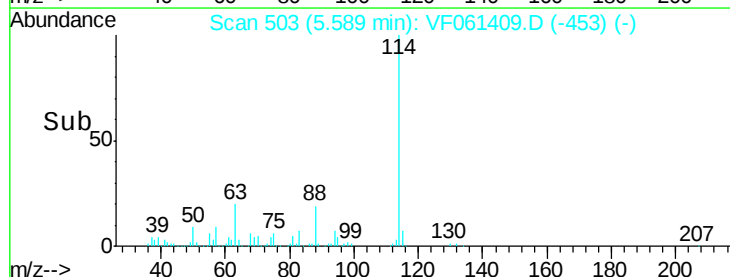
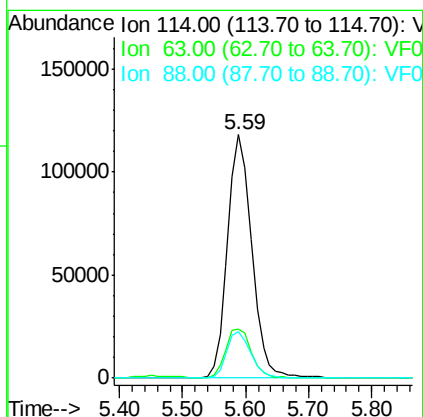
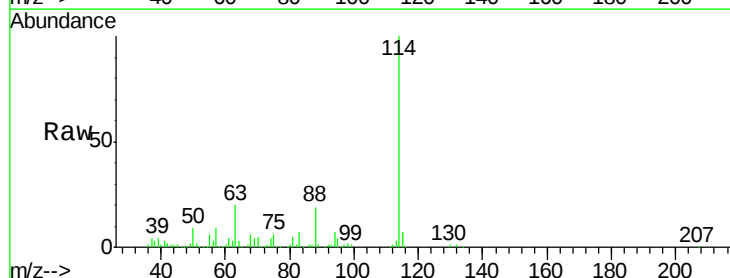
Tgt Ion: 114 Resp: 316680

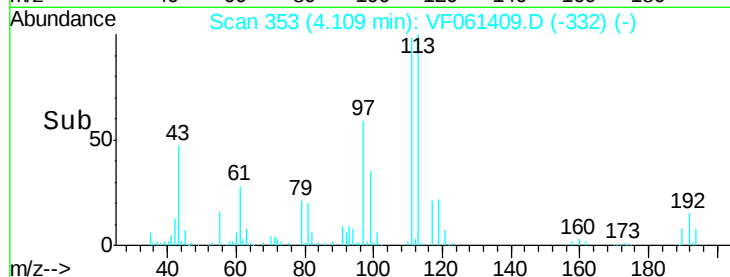
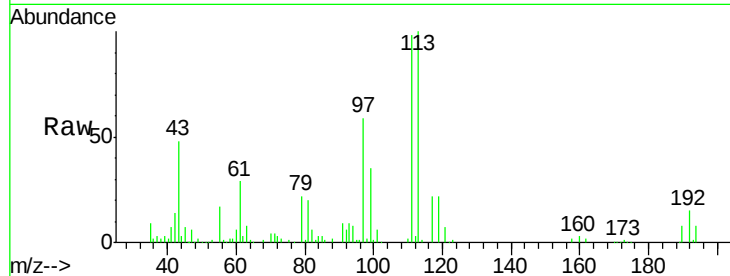
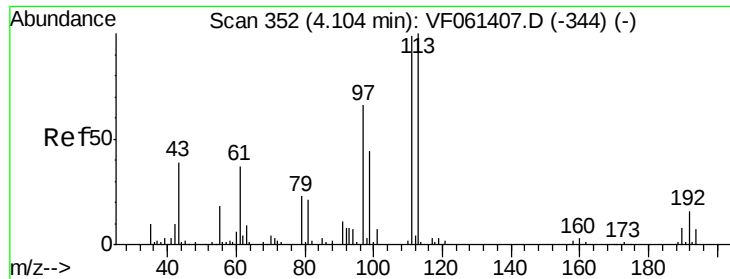
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.0

88 18.9 0.0 37.4





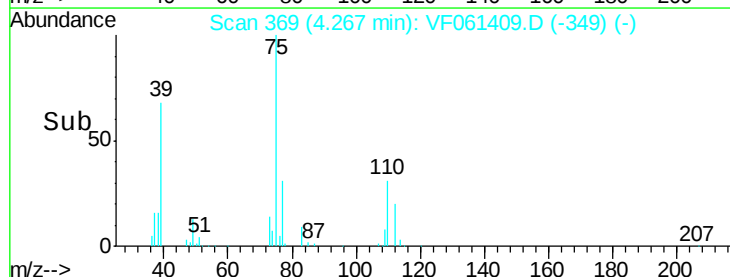
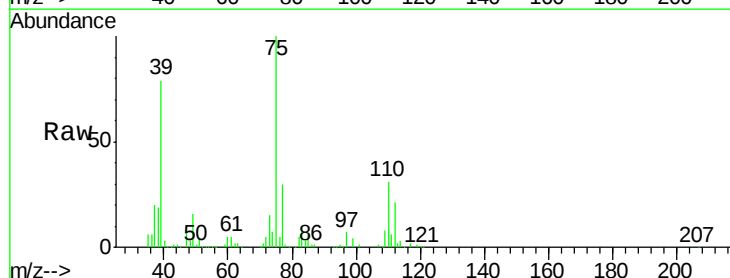
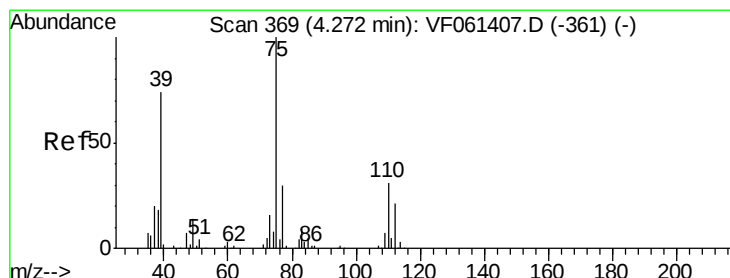
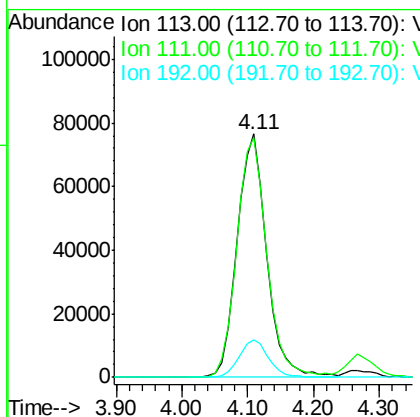
#35
Dibromofluoromethane
Concen: 94.529 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.01 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Tot Ion	Ratio	Resp	Lower	Upper
113	100	241984		
111	98.3		79.4	119.0
192	15.2		12.4	18.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

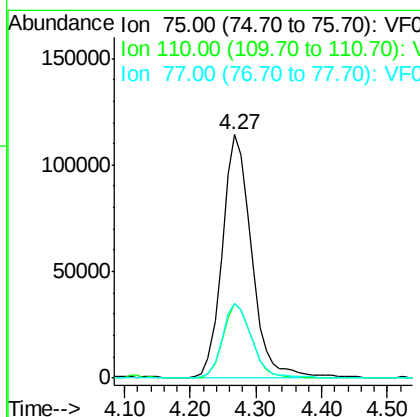
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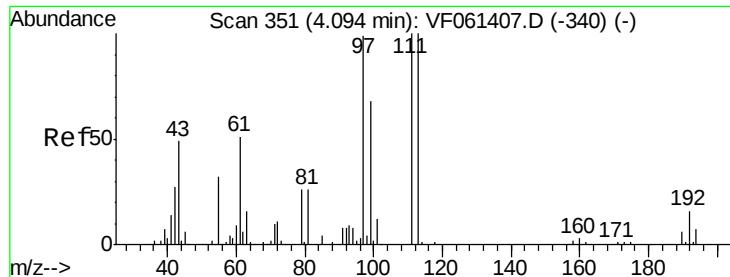
apatel
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#36
1,1-Dichloropropene
Concen: 94.336 ug/l
RT: 4.27 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	354266		
110	30.9		15.8	47.3
77	30.4		24.0	36.0





#37

Ethyl Acetate

Concen: 94.046 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.02 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

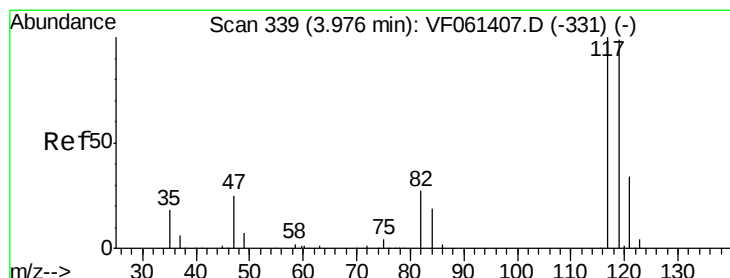
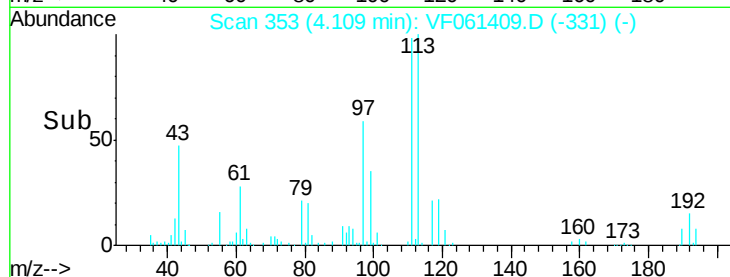
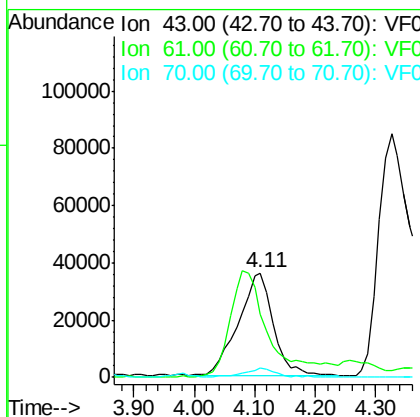
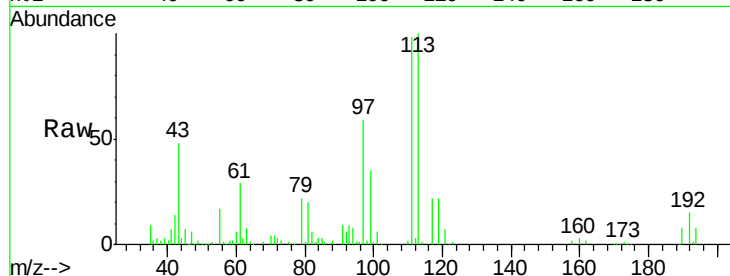
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	143401
Ion Ratio	Lower	Upper	
43	100		
61	60.0	81.7	122.5#
70	9.1	6.2	9.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 68.782 ug/l

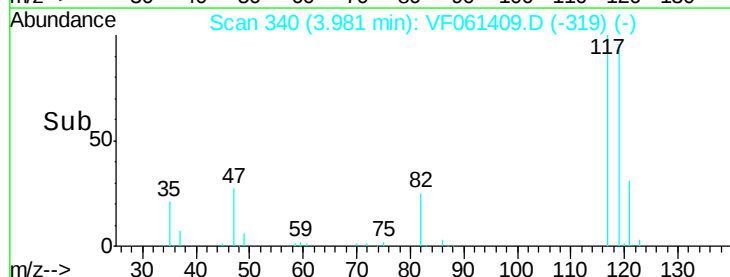
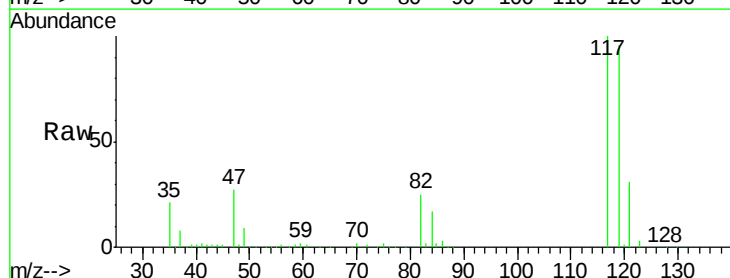
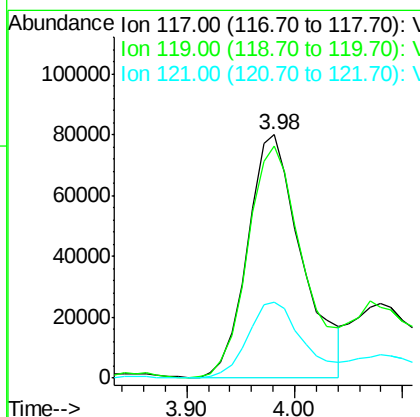
RT: 3.98 min Scan# 340

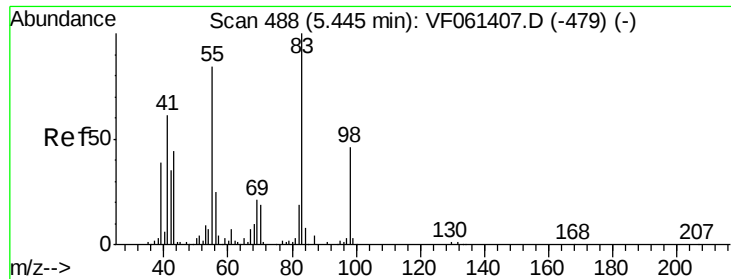
Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Tgt Ion:	117	Resp:	279840
Ion Ratio	Lower	Upper	
117	100		
119	95.6	79.0	118.6
121	31.4	27.0	40.6





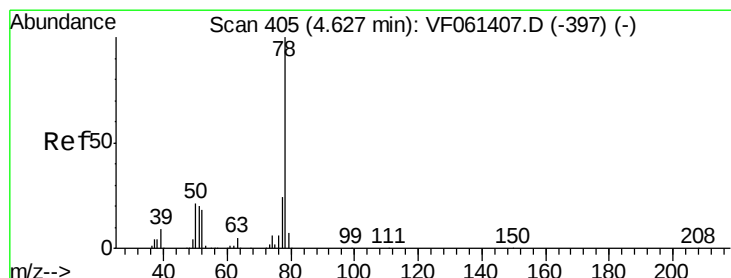
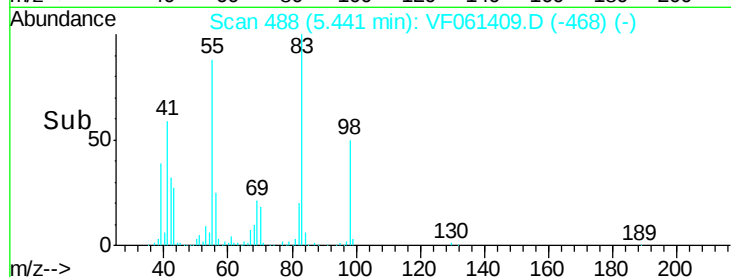
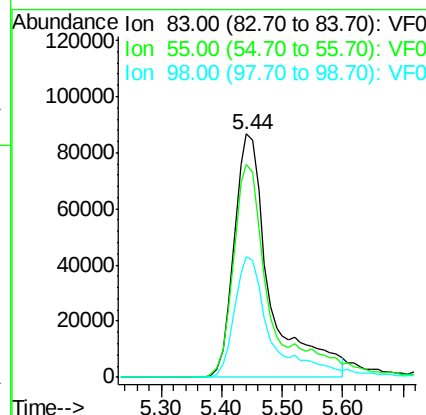
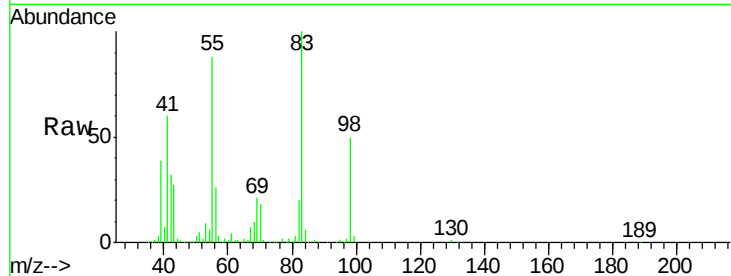
#39
Methvlcvclohexane
Concen: 86.648 ug/l
RT: 5.44 min Scan# 488
Delta R.T. -0.00 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.6	67.4	101.2
98	49.5	36.7	55.1

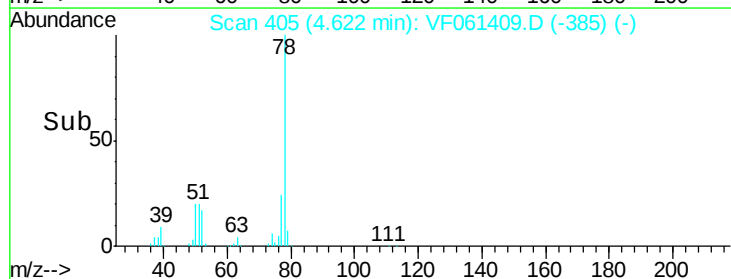
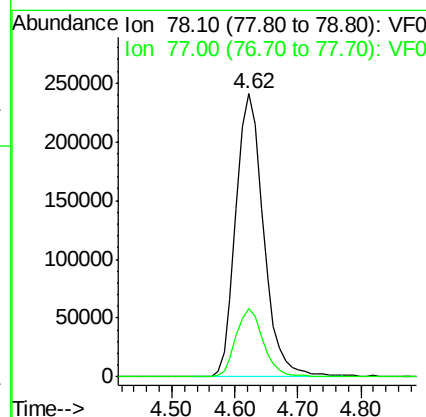
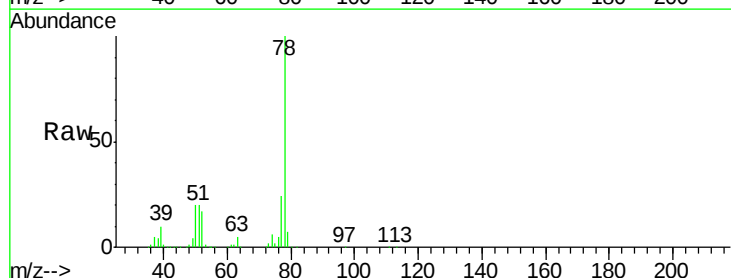
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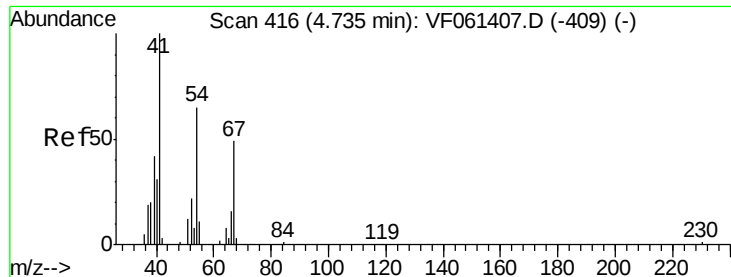
apatel
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#40
Benzene
Concen: 86.297 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6





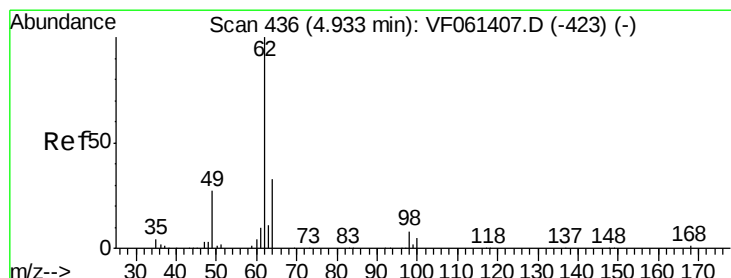
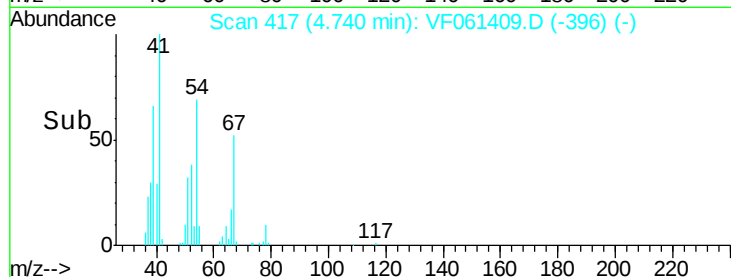
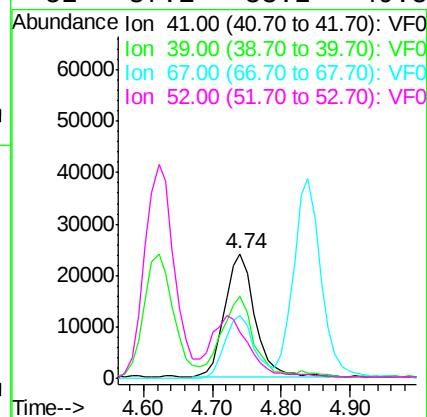
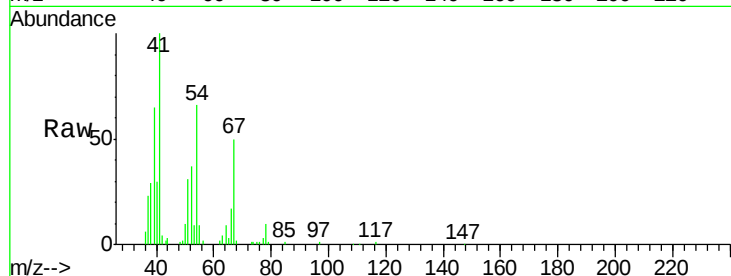
#41
Methacrylonitrile
Concen: 90.256 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.01 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	65.4	43.1	64.7#	
67	49.9	38.8	58.2	
52	37.1	33.2	49.8	

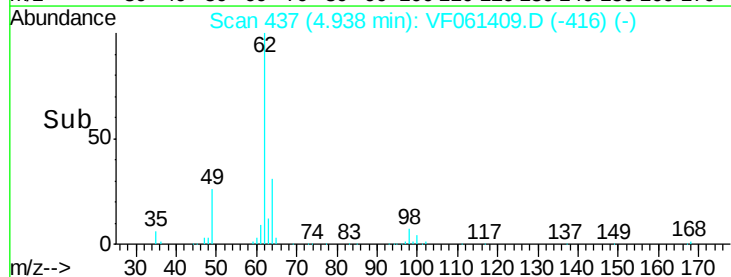
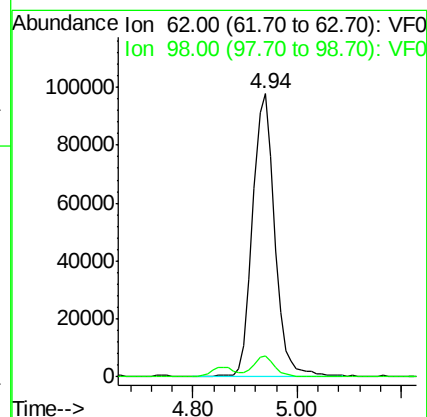
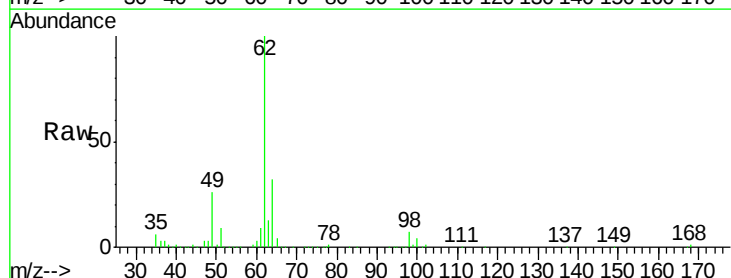
Manual Integrations
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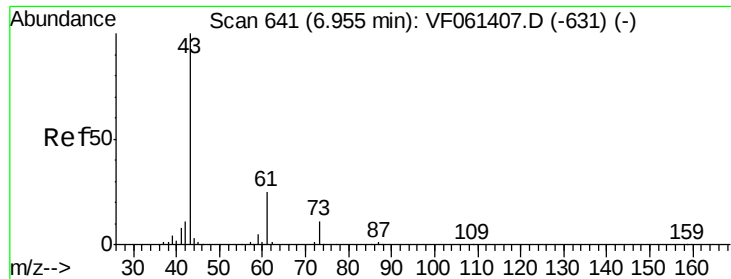
apatel
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#42
1,2-Dichloroethane
Concen: 95.200 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.4	0.0	17.0	





#43

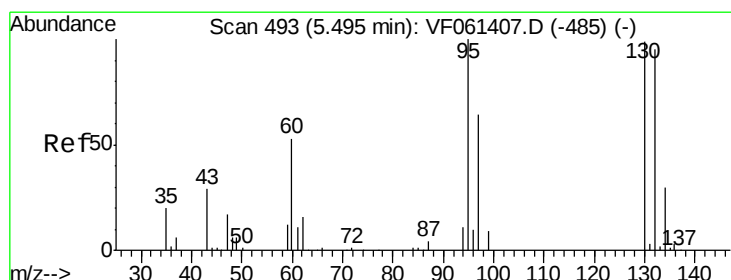
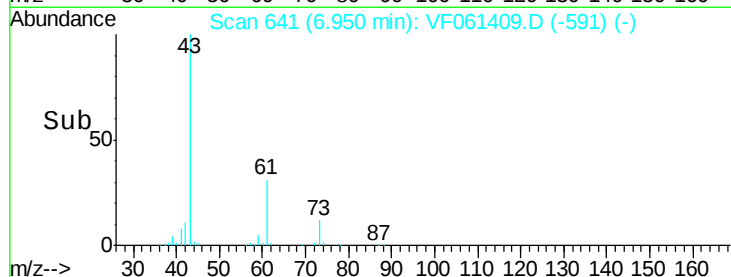
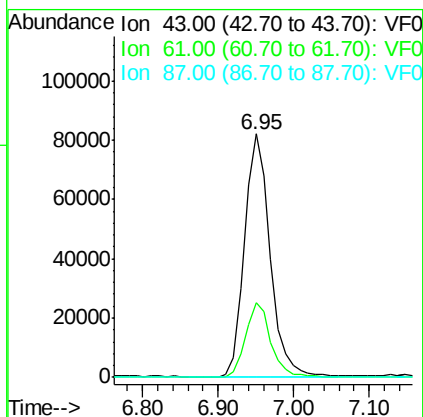
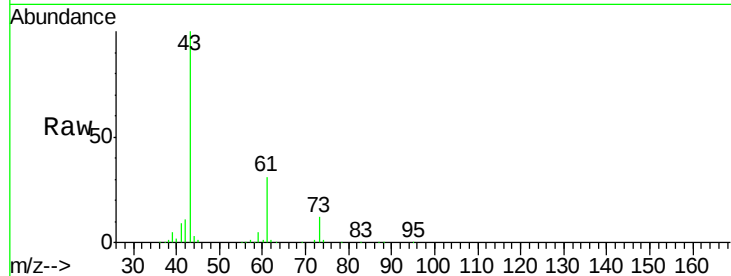
Isopropyl Acetate
 Concen: 105.102 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: VF061409.D
 Acq: 15 Jan 2019 16:25

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.7	20.3	30.5#
87	0.4	0.5	0.7#

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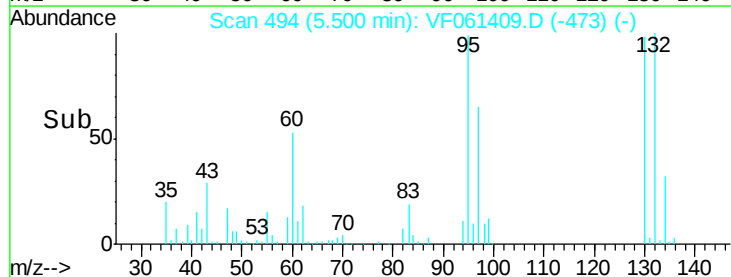
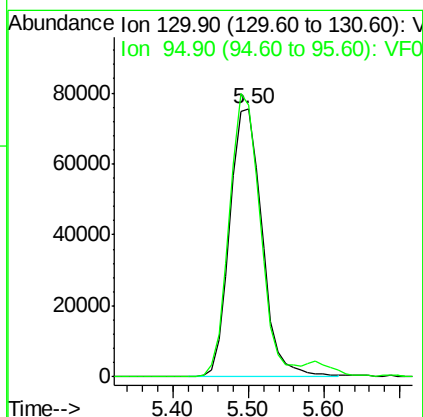
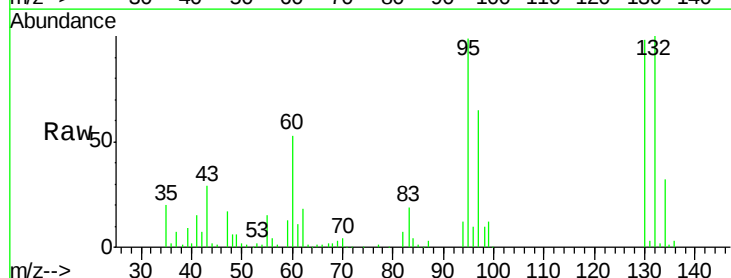
apatel
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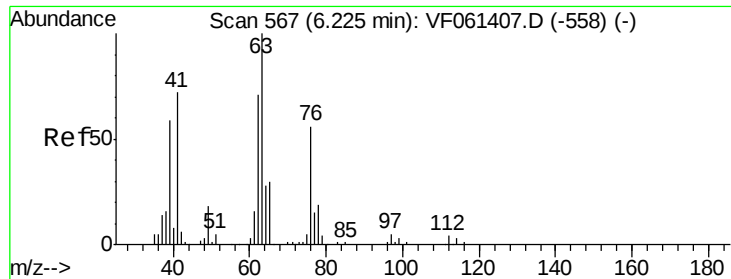


#44

Trichloroethene
 Concen: 85.607 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VF061409.D
 Acq: 15 Jan 2019 16:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	202.8





#45

1,2-Dichloropropane

Concen: 98.924 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 215957

Ion Ratio Lower Upper

63 100

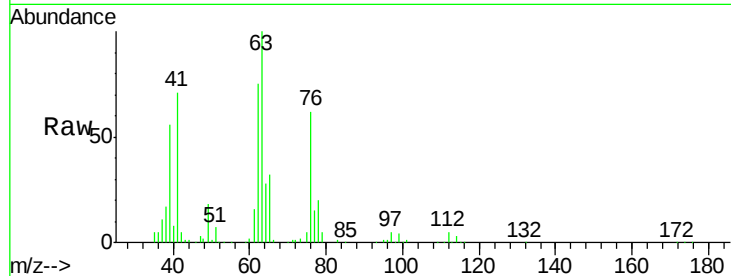
65 31.7 24.4 36.6

Manual Integrations

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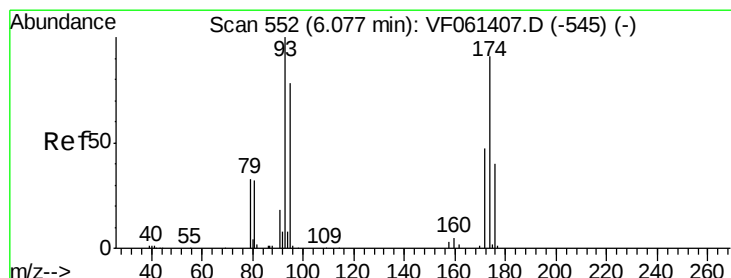
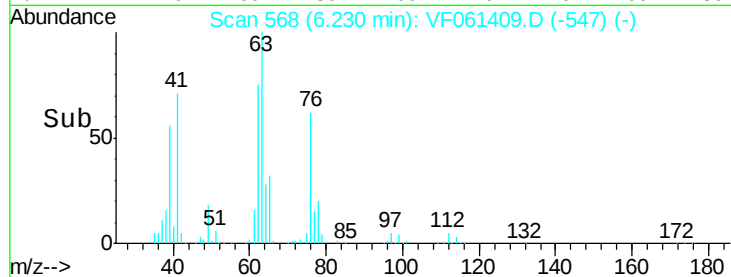
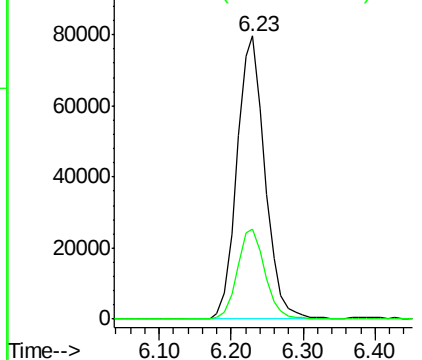
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 101.221 ug/l

RT: 6.08 min Scan# 553

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

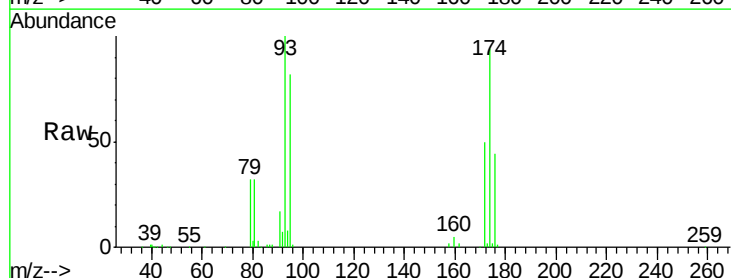
Tgt Ion: 93 Resp: 144872

Ion Ratio Lower Upper

93 100

95 81.7 62.1 93.1

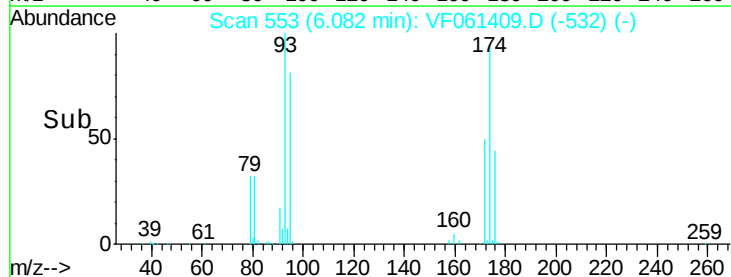
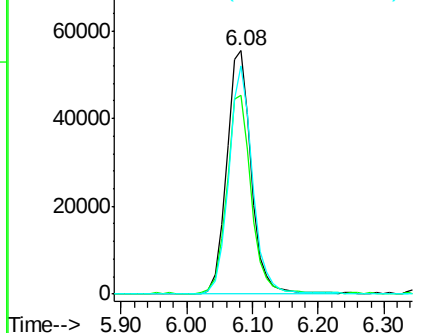
174 93.7 74.6 111.8

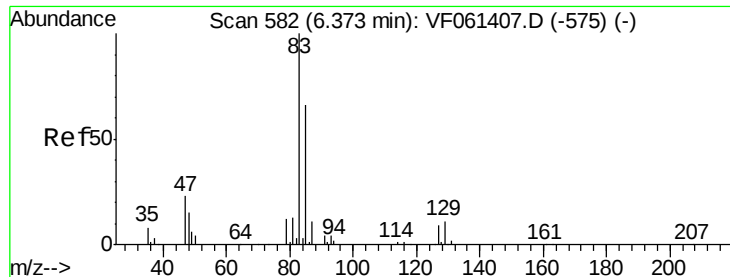


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 103.855 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

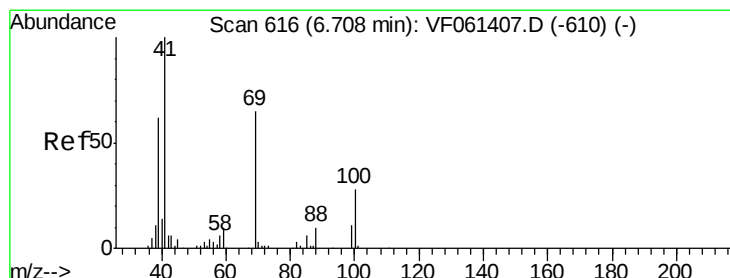
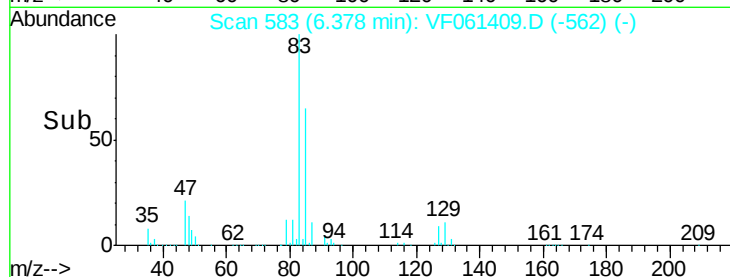
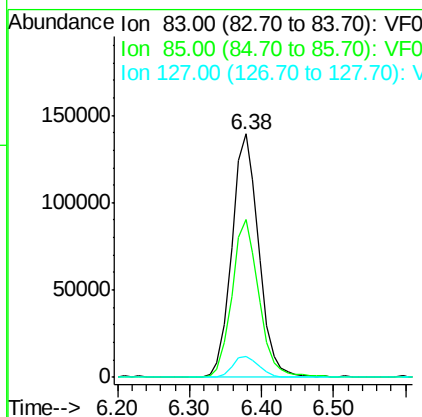
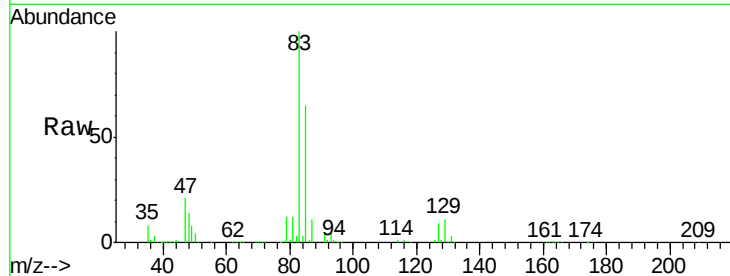
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	363713
Ion Ratio	Lower	Upper	
83	100		
85	64.9	53.0	79.4
127	8.7	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 102.009 ug/l

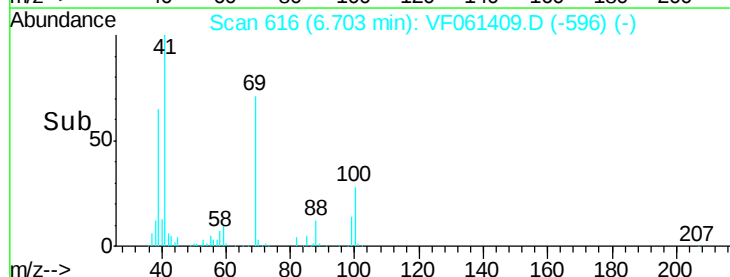
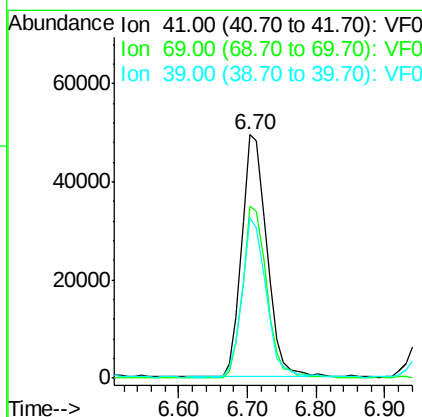
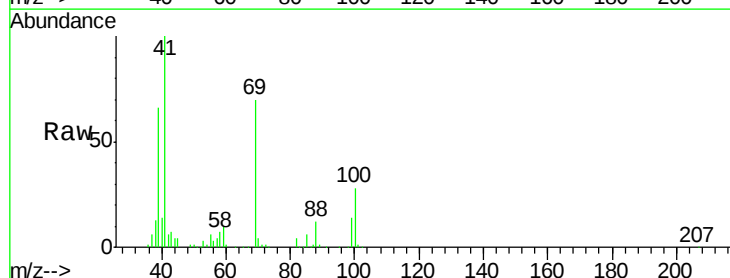
RT: 6.70 min Scan# 616

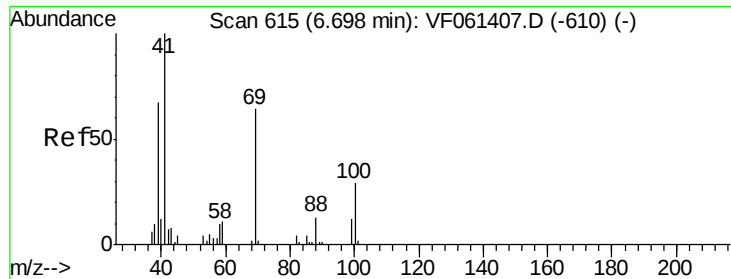
Delta R.T. -0.00 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Tgt Ion:	41	Resp:	125563
Ion Ratio	Lower	Upper	
41	100		
69	70.4	51.7	77.5
39	65.7	49.2	73.8





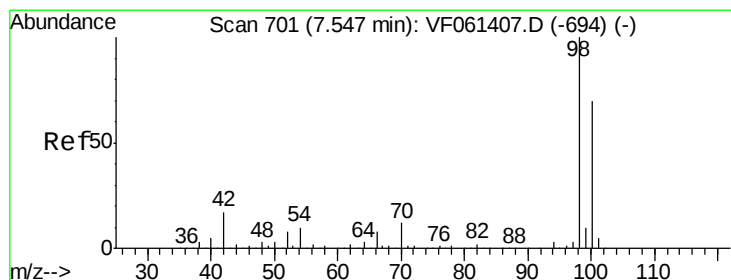
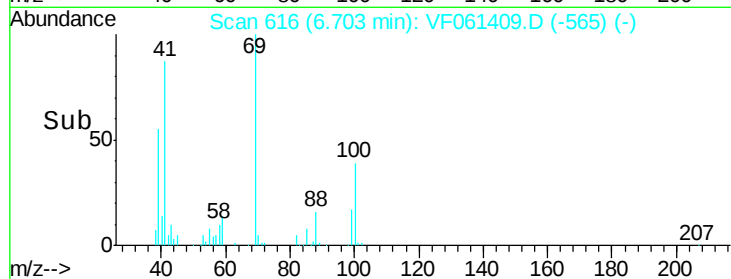
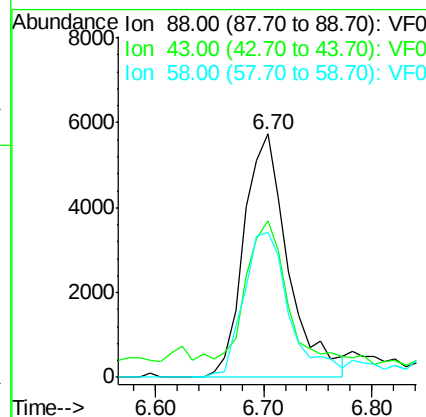
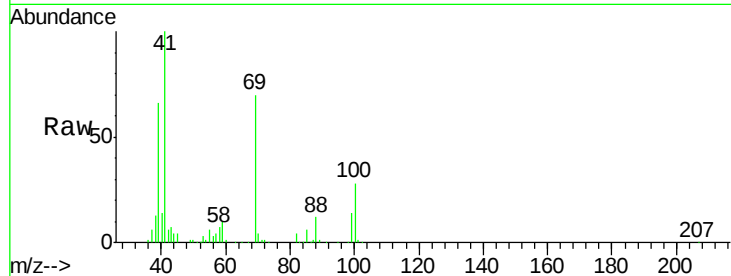
#49
1,4-Dioxane
Concen: 1785.752 ug/l
RT: 6.70 min Scan# 616
Delta R.T. 0.01 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	64.5	55.5	83.3	
58	59.5	59.9	89.9	

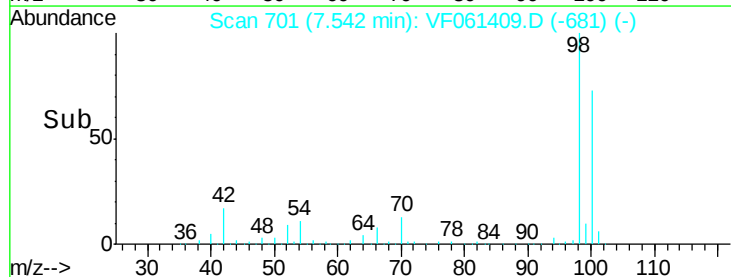
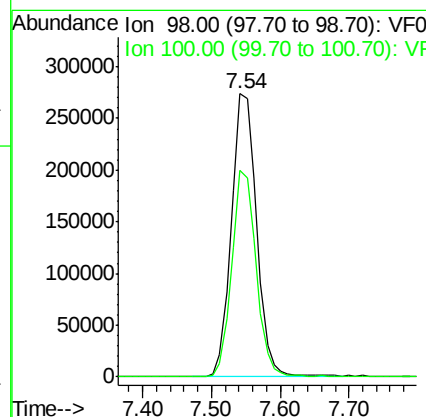
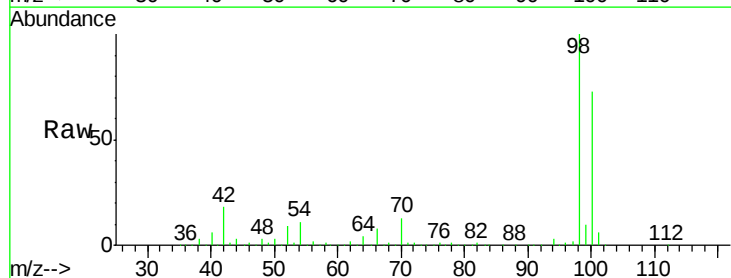
Manual Integrations
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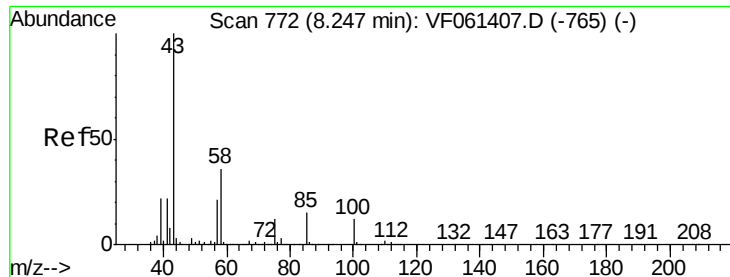
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#50
Toluene-d8
Concen: 100.648 ug/l
RT: 7.54 min Scan# 701
Delta R.T. -0.00 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	72.8	55.6	83.4	





#51

4-Methyl-2-Pentanone

Concen: 433.879 ug/l

RT: 8.25 min Scan# 773

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 619525

Ion Ratio Lower Upper

43 100

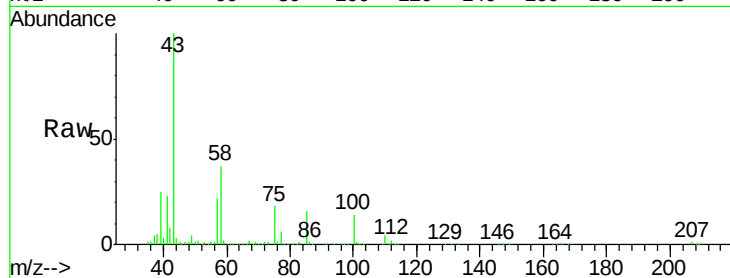
58 37.0 28.8 43.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.25

250000

200000

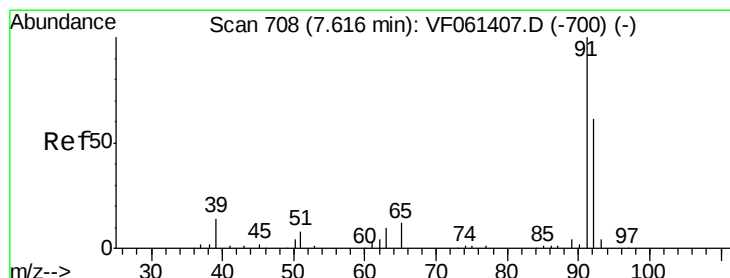
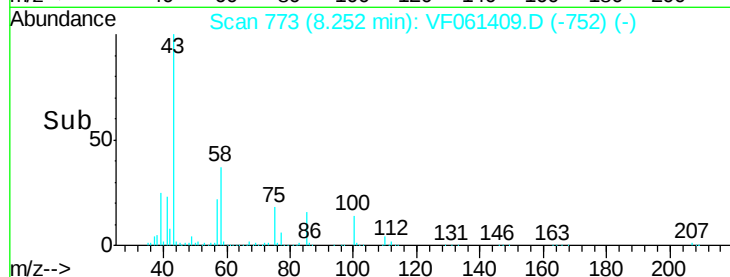
150000

100000

50000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 88.796 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.01 min

Lab File: VF061409.D

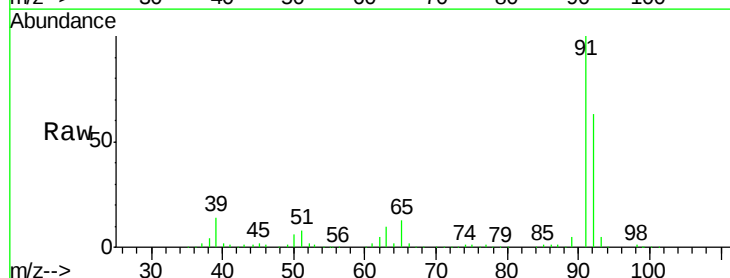
Acq: 15 Jan 2019 16:25

Tgt Ion: 92 Resp: 502154

Ion Ratio Lower Upper

92 100

91 158.7 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.62

400000

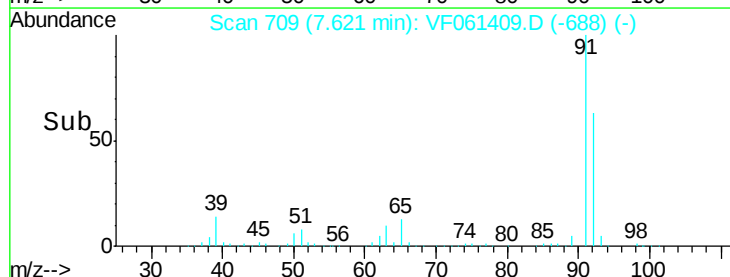
300000

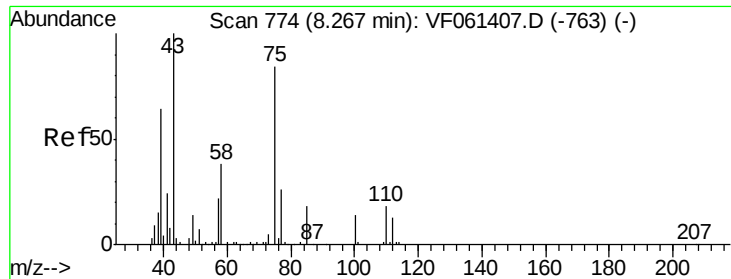
200000

100000

0

Time--> 7.50 7.60 7.70 7.80





#53

t-1,3-Dichloropropene

Concen: 100.139 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061409.D

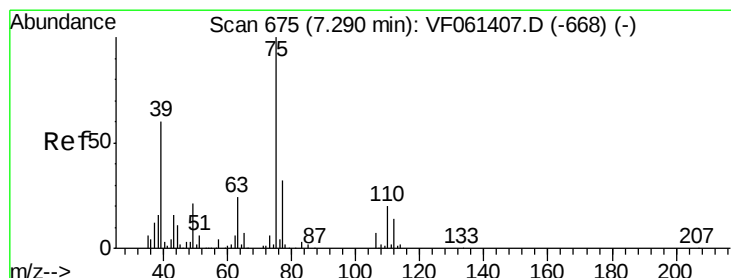
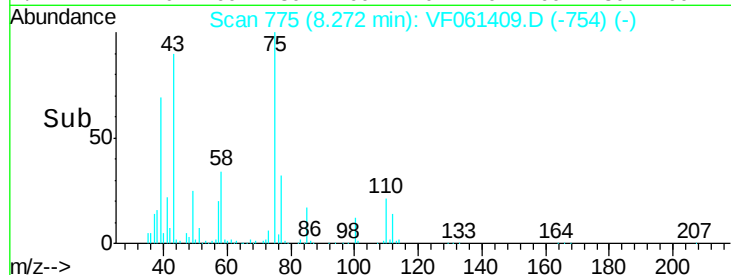
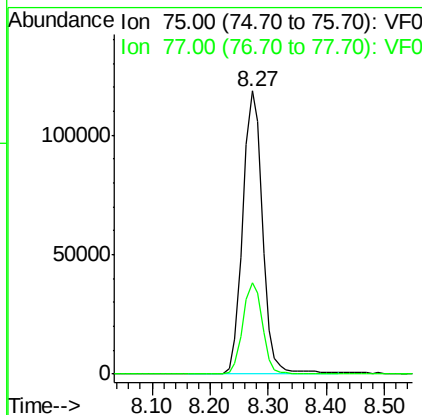
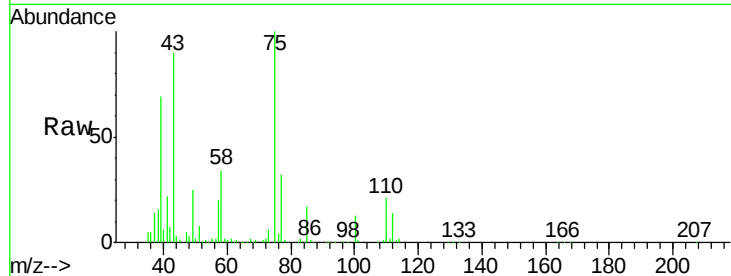
Acq: 15 Jan 2019 16:25

Tot Ion	Ratio	Resp	Lower	Upper
75	100	282916		
77	32.3		24.4	36.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

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#54

cis-1,3-Dichloropropene

Concen: 98.441 ug/l

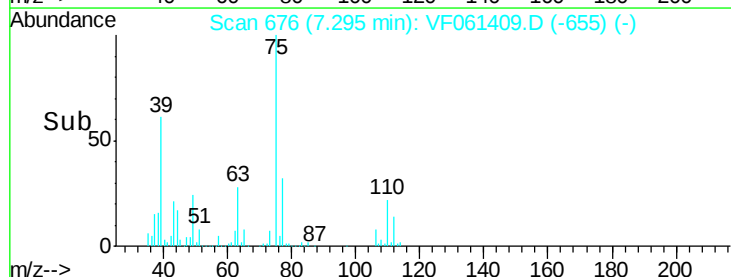
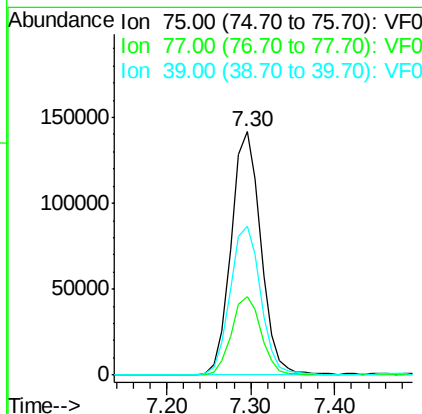
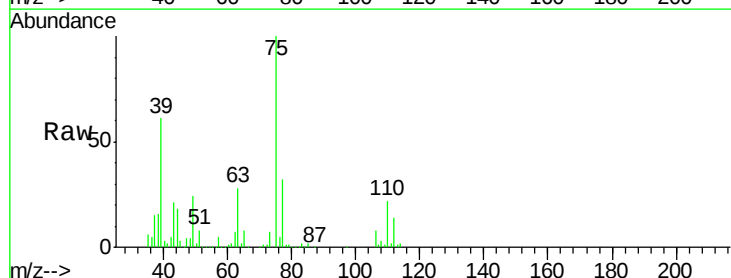
RT: 7.30 min Scan# 676

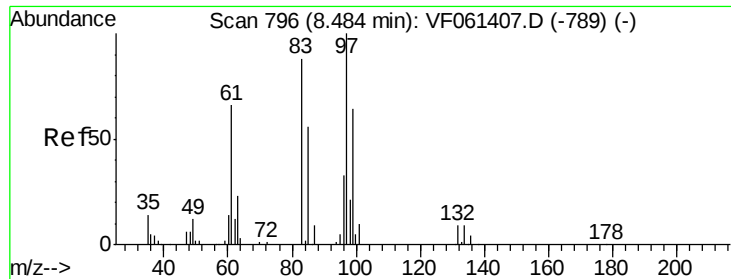
Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	349805		
77	32.0		25.4	38.0
39	61.3		47.8	71.8





#55

1,1,2-Trichloroethane

Concen: 100.287 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

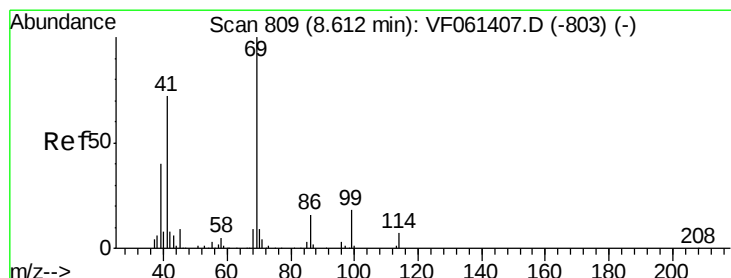
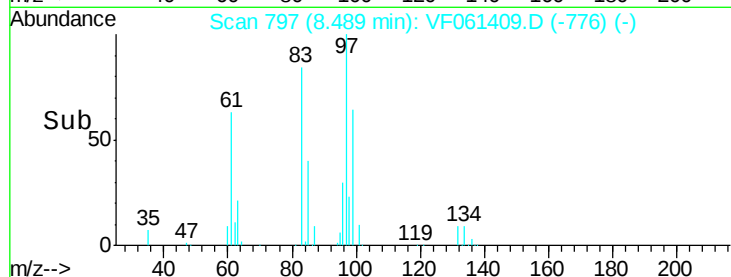
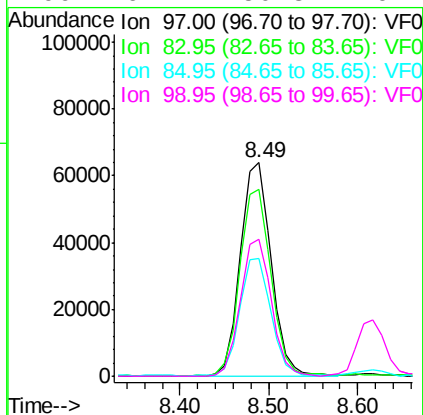
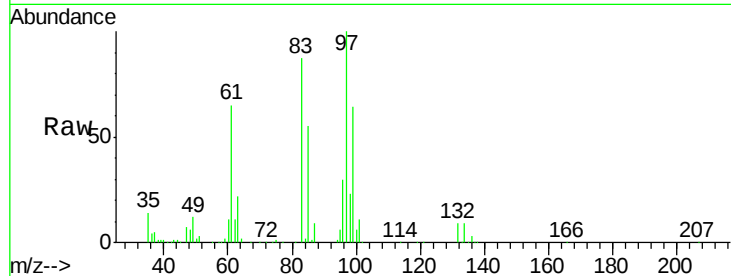
ClientSampleId :

VSTDIC100

Tot Ion:	97	Resp:	154140
Ion Ratio	Lower	Upper	
97	100		
83	87.5	70.4	105.6
85	55.0	44.7	67.1
99	64.2	50.8	76.2

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#56

Ethyl methacrylate

Concen: 103.829 ug/l

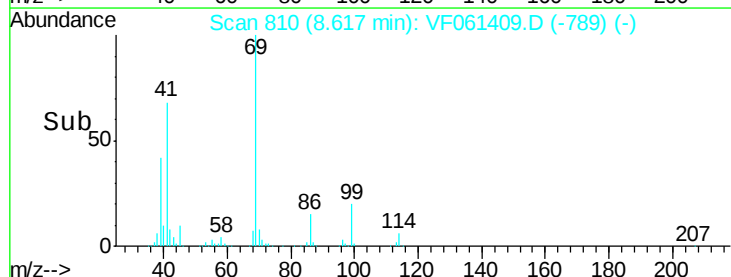
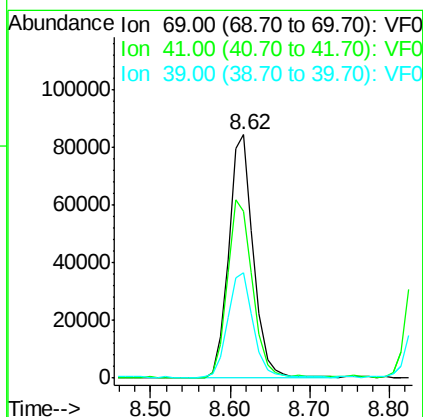
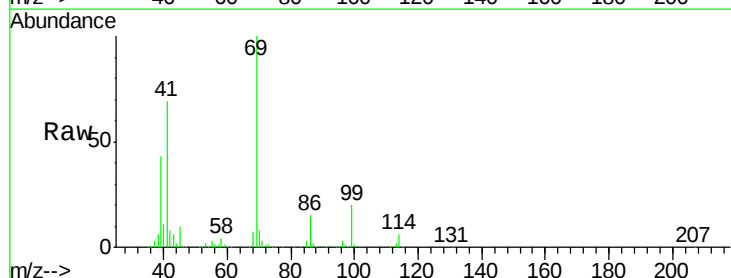
RT: 8.62 min Scan# 810

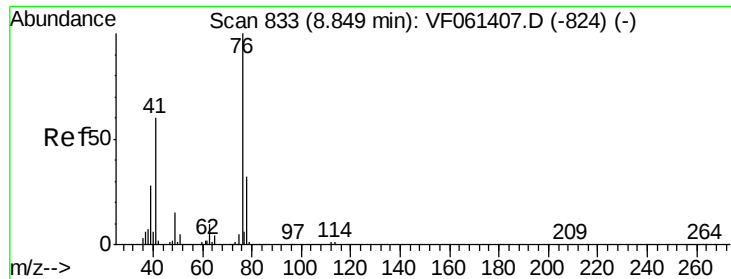
Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Tgt Ion:	69	Resp:	182883
Ion Ratio	Lower	Upper	
69	100		
41	68.6	57.5	86.3
39	43.3	32.0	48.0





#57

1,3-Dichloropropane

Concen: 104.445 ug/l

RT: 8.84 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 297789

Ion Ratio Lower Upper

76 100

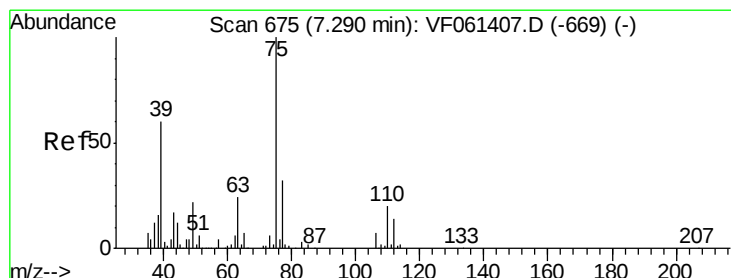
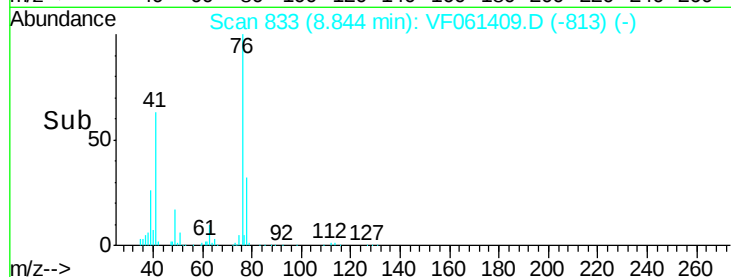
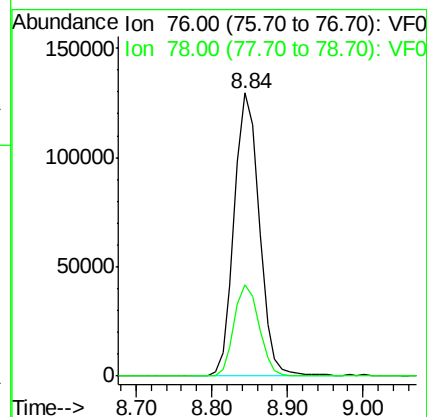
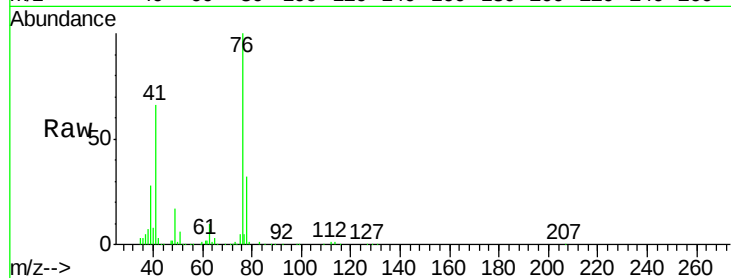
78 32.4 25.3 37.9

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 857.686 ug/l

RT: 7.29 min Scan# 675

Delta R.T. -0.00 min

Lab File: VF061409.D

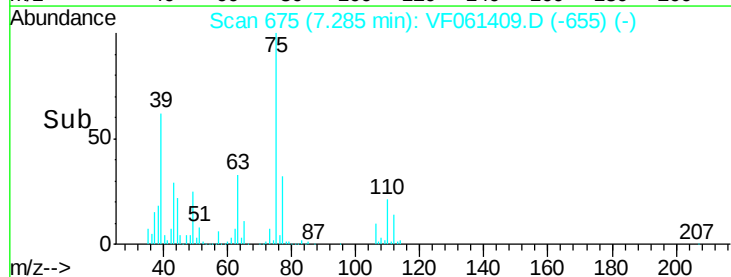
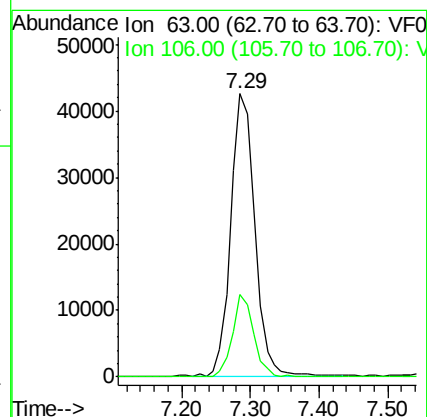
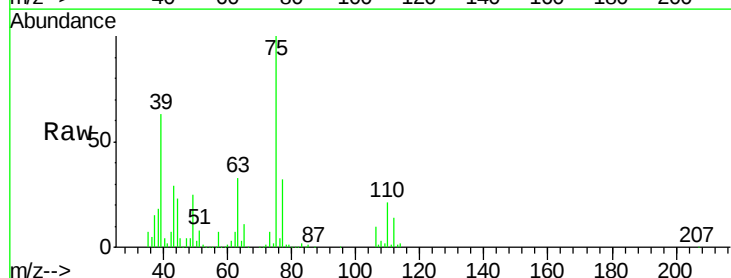
Acq: 15 Jan 2019 16:25

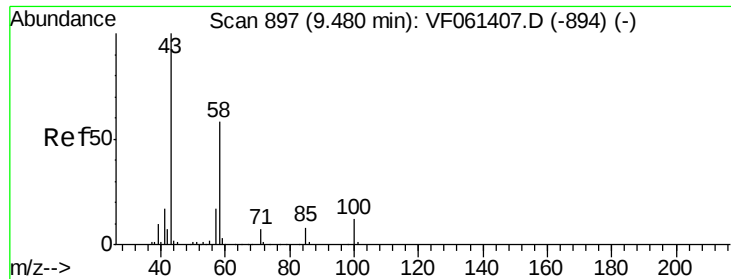
Tgt Ion: 63 Resp: 102200

Ion Ratio Lower Upper

63 100

106 29.0 21.9 32.9





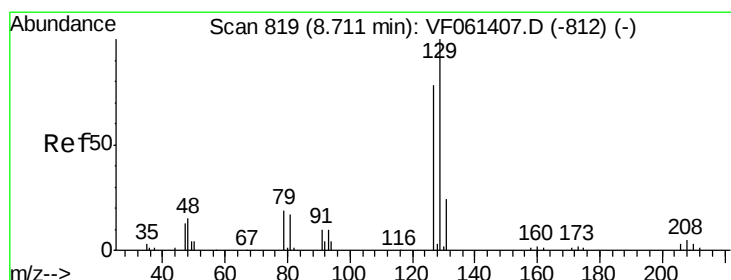
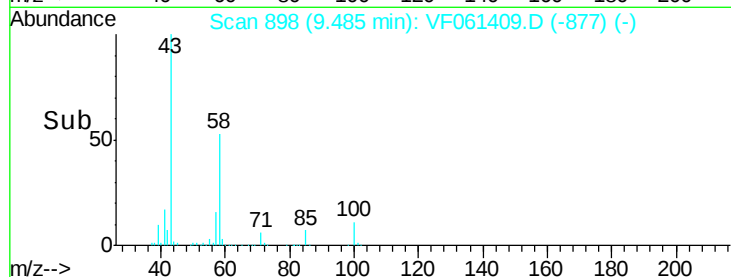
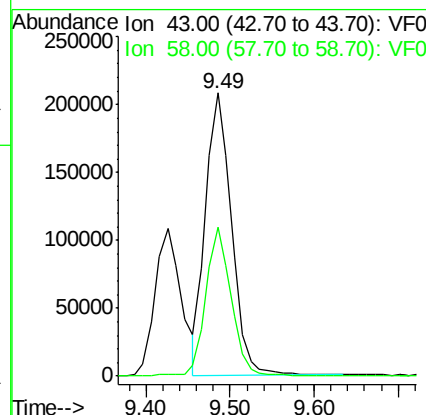
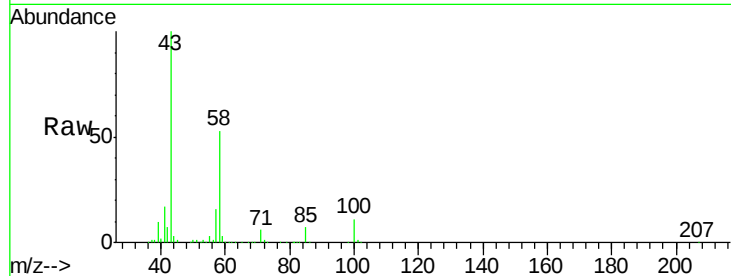
#59
2-Hexanone
Concen: 447.549 ug/l
RT: 9.49 min Scan# 898
Delta R.T. 0.01 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 444820
Ion Ratio Lower Upper
43 100
58 52.5 25.9 77.6

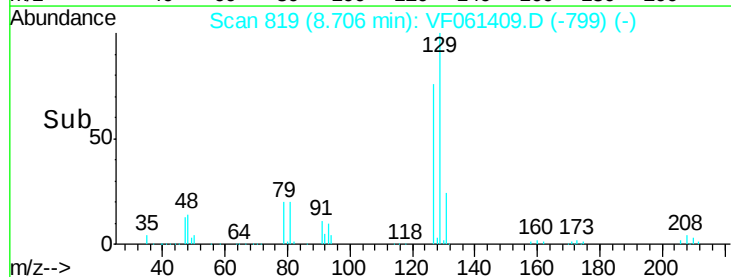
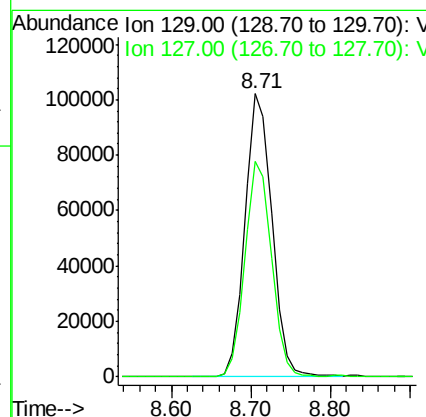
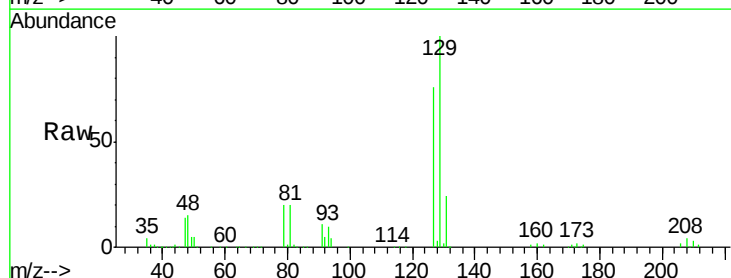
Manual Integrations
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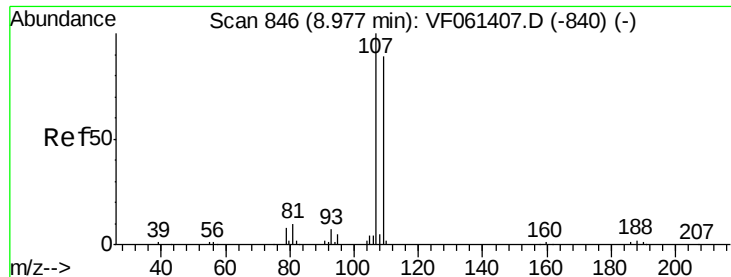
apatel
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#60
Dibromochloromethane
Concen: 109.339 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.00 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Tgt Ion: 129 Resp: 238849
Ion Ratio Lower Upper
129 100
127 76.4 39.1 117.2





#61

1,2-Dibromoethane

Concen: 101.330 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 178193

Ion Ratio Lower Upper

107 100

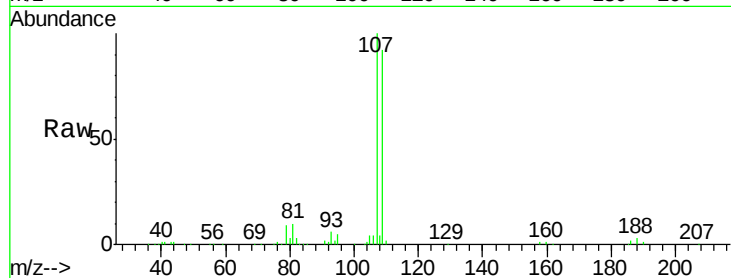
109 92.5 70.8 106.2

Manual Integrations

APPROVED

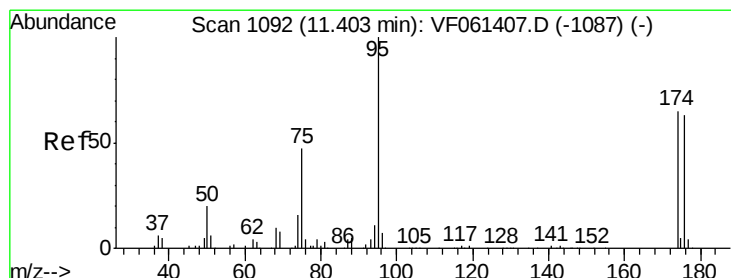
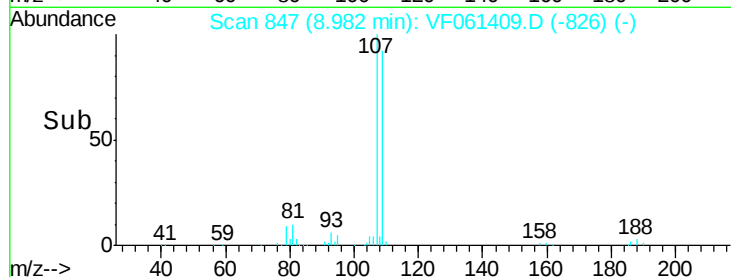
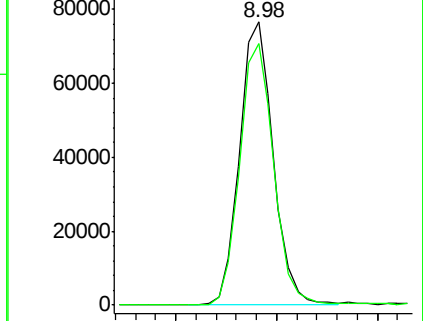
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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 87.891 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

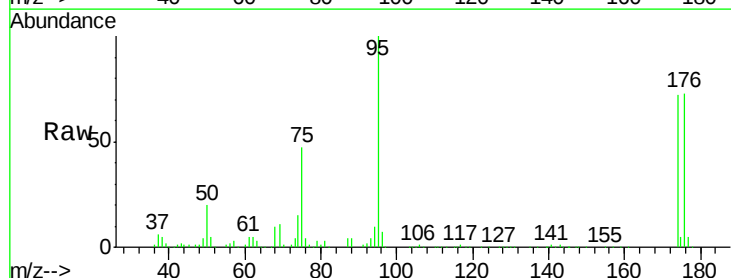
Tgt Ion: 95 Resp: 293819

Ion Ratio Lower Upper

95 100

174 72.2 0.0 130.4

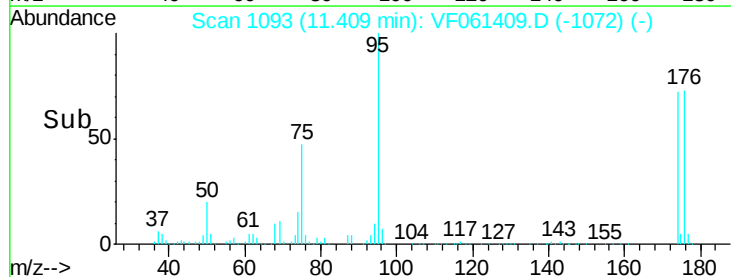
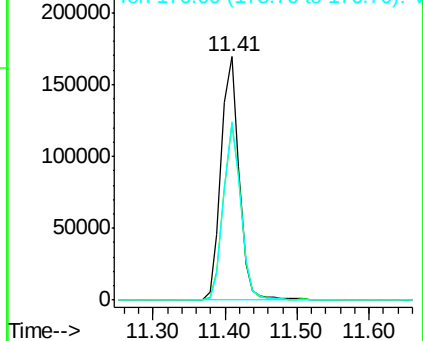
176 73.0 0.0 126.2

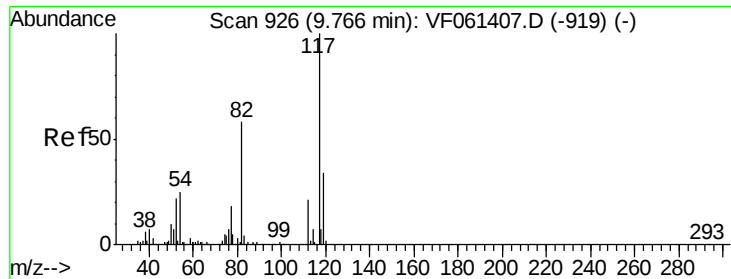


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





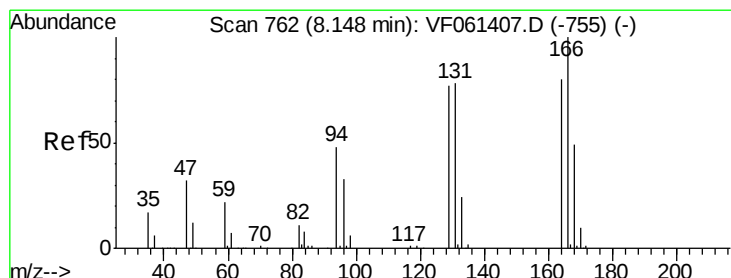
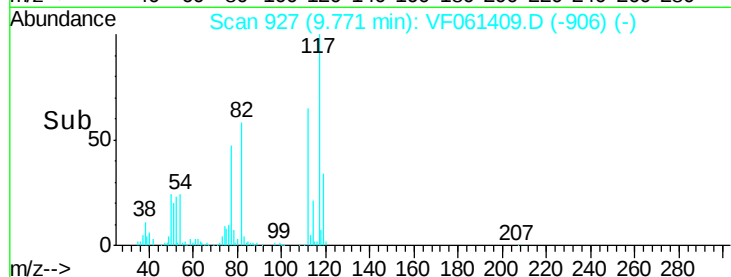
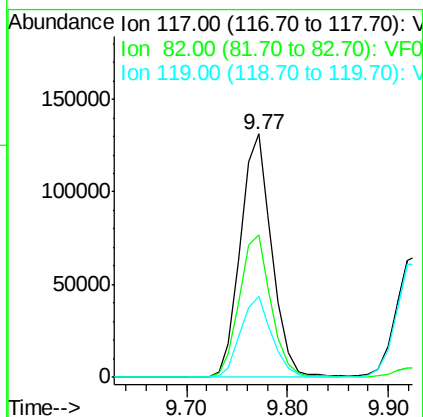
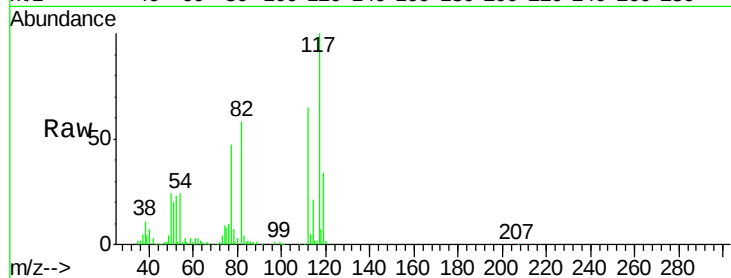
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	283837		
82	58.5		46.4	69.6
119	33.5		27.2	40.8

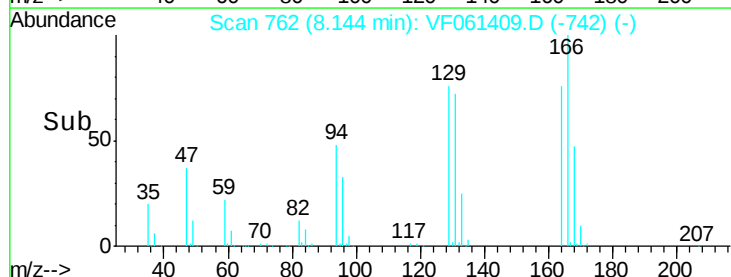
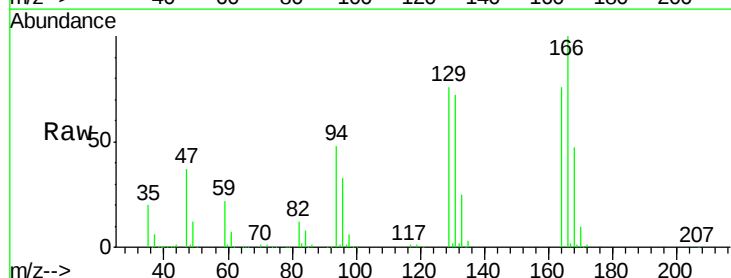
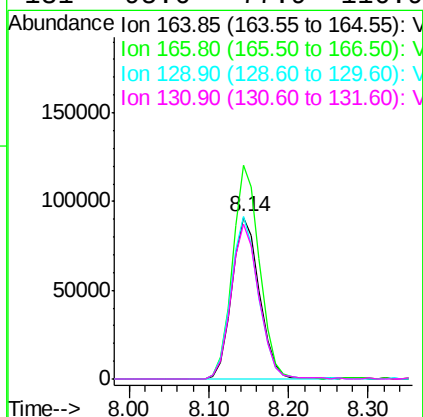
Manual Integrations
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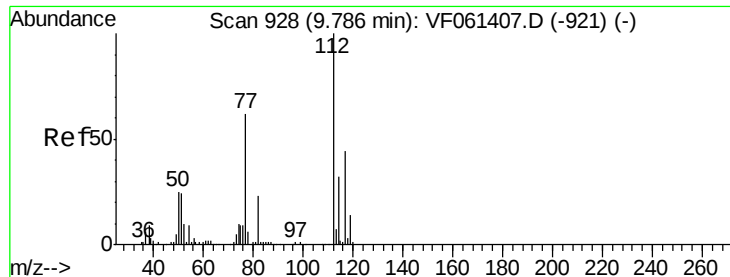
apatel
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#64
Tetrachloroethene
Concen: 102.290 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.00 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	221164		
166	132.1		99.6	149.4
129	100.7		76.4	114.6
131	95.6		77.9	116.9





#65

Chlorobenzene

Concen: 90.967 ug/l

RT: 9.79 min Scan# 929

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 547167

Ion Ratio Lower Upper

112 100

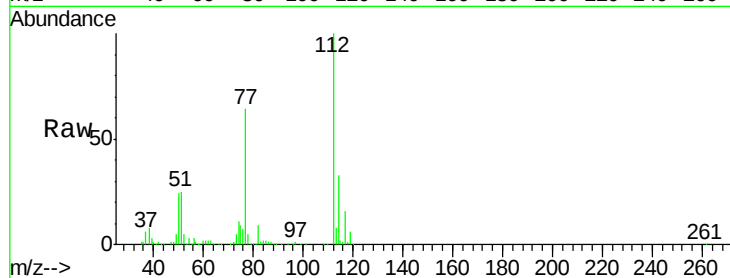
114 32.6 25.4 38.0

Manual Integrations

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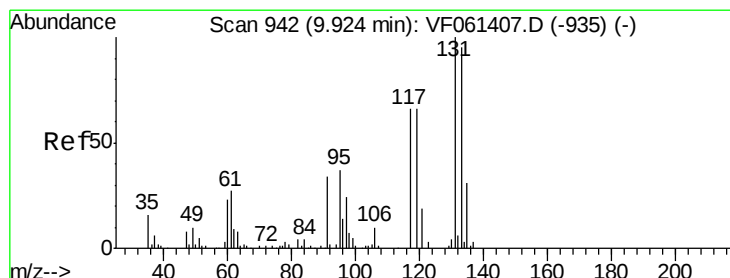
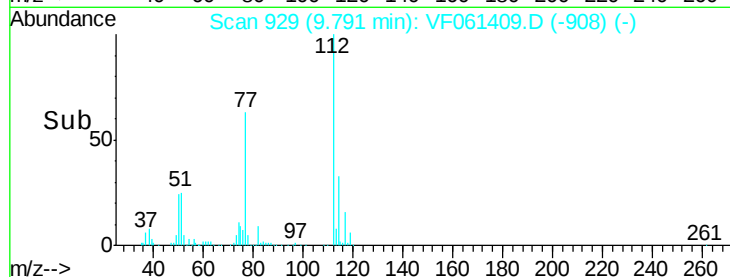
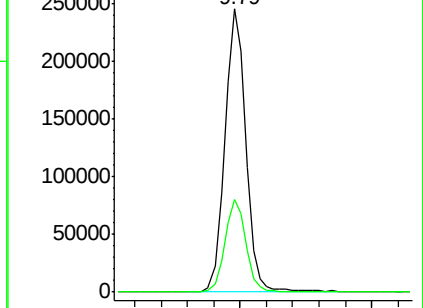
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 96.877 ug/l

RT: 9.93 min Scan# 943

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

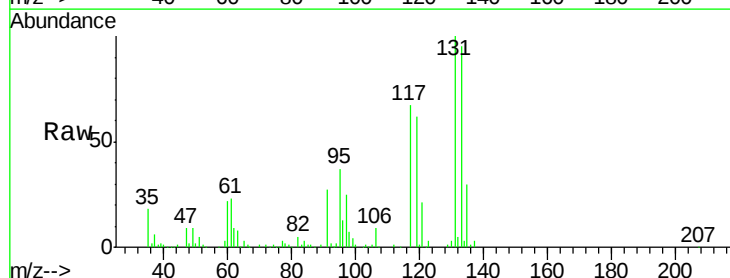
Tgt Ion:131 Resp: 228106

Ion Ratio Lower Upper

131 100

133 94.8 47.4 142.2

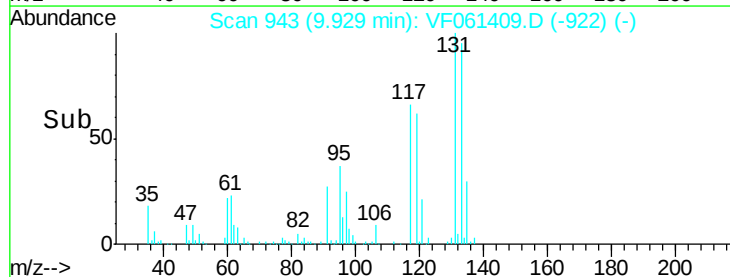
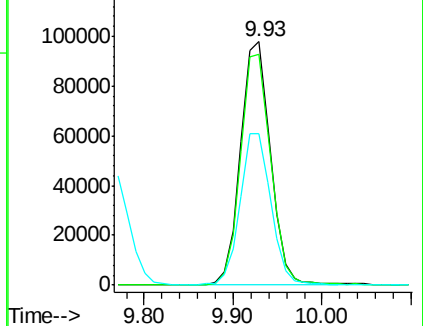
119 62.0 33.1 99.3

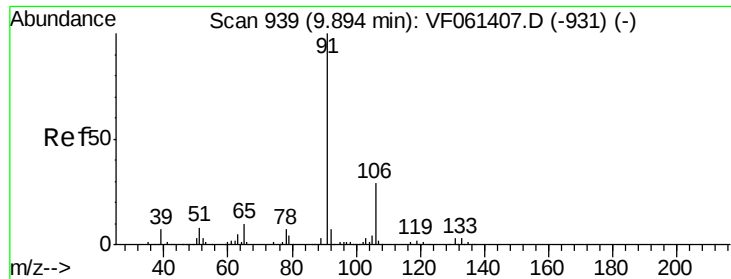


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 89.237 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.00 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 993864

Ion Ratio Lower Upper

91 100

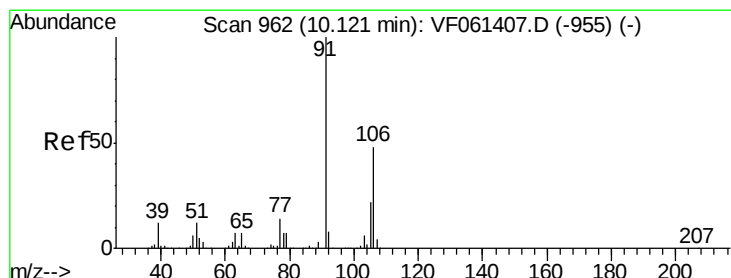
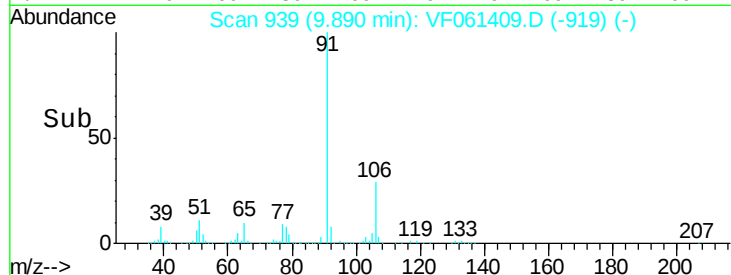
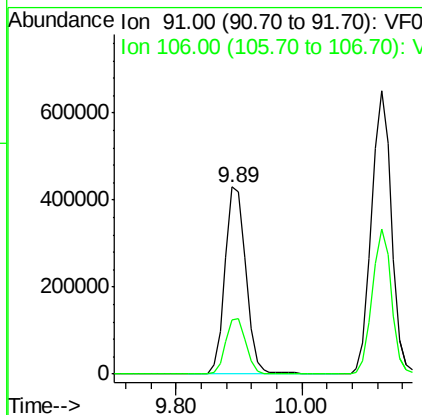
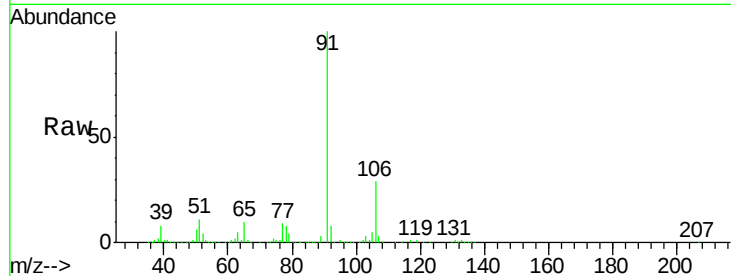
106 29.3 23.1 34.7

Manual Integrations

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#68

m/p-Xylenes

Concen: 178.862 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.01 min

Lab File: VF061409.D

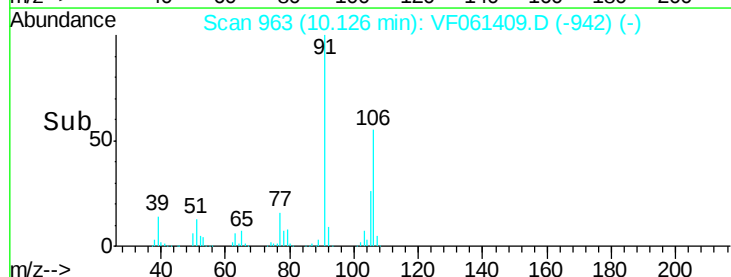
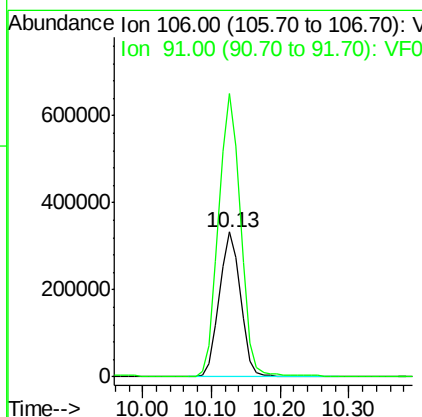
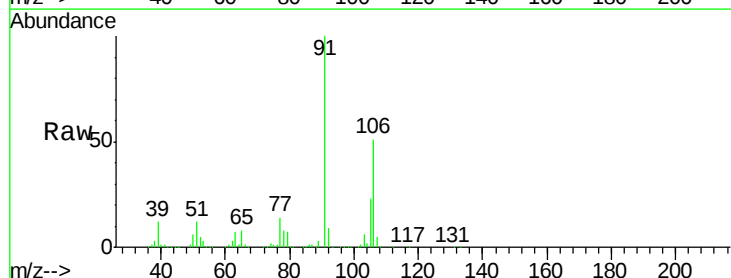
Acq: 15 Jan 2019 16:25

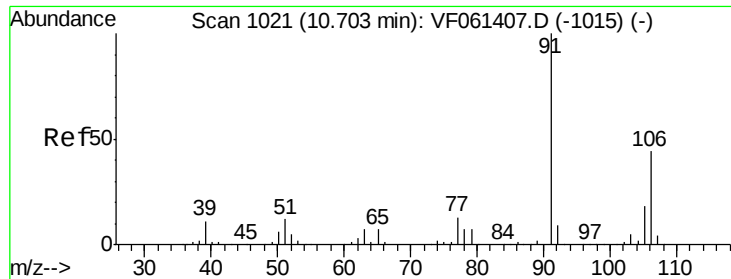
Tgt Ion: 106 Resp: 718660

Ion Ratio Lower Upper

106 100

91 195.1 166.2 249.4





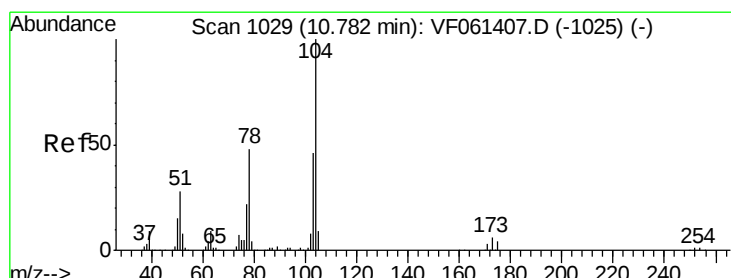
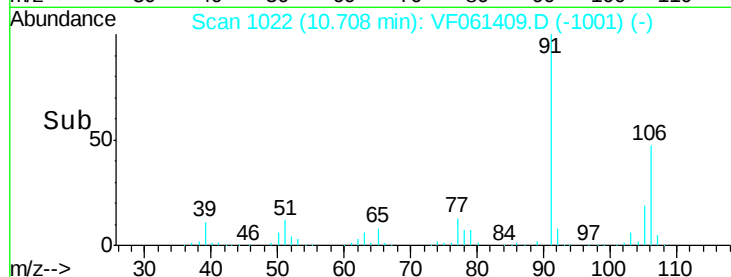
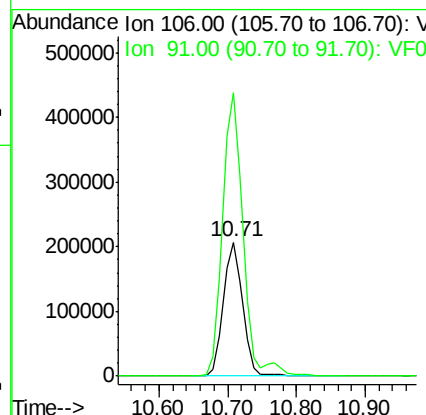
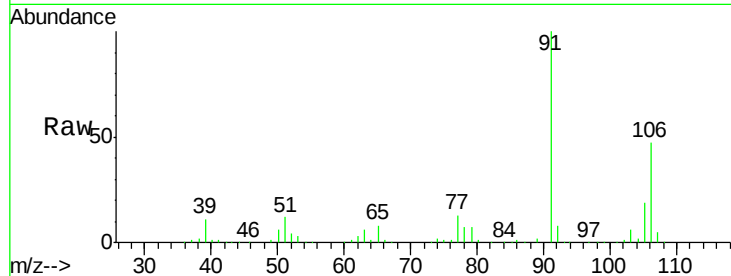
#69
o-Xylene
Concen: 93.551 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Instrument :
MSVOA_F
ClientSampleID :
VSTDIC100

Tot Ion:106 Resp: 401485
Ion Ratio Lower Upper
106 100
91 211.5 113.3 339.8

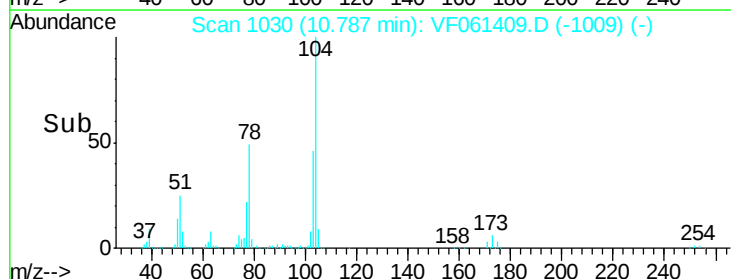
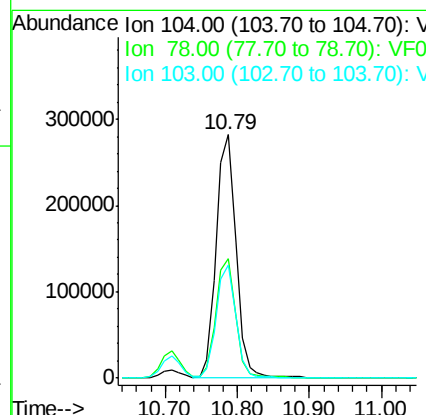
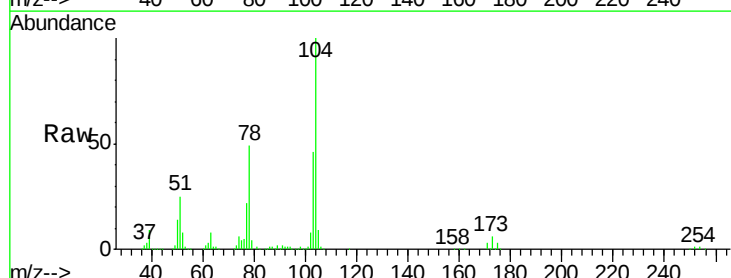
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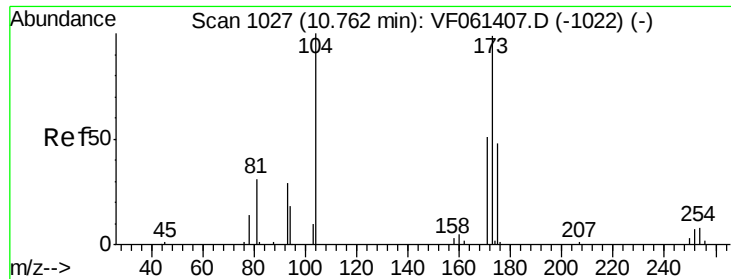
apatel
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#70
Styrene
Concen: 89.217 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Tgt Ion:104 Resp: 531443
Ion Ratio Lower Upper
104 100
78 48.9 38.8 58.2
103 46.2 37.0 55.6





#71

Bromoform

Concen: 110.558 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 112186

Ion Ratio Lower Upper

173 100

175 49.2 24.1 72.4

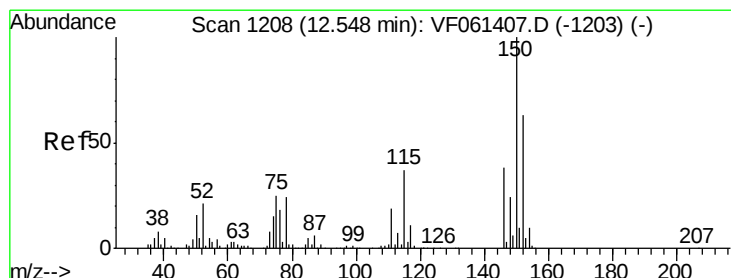
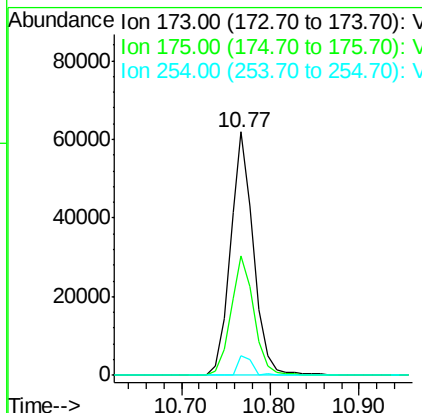
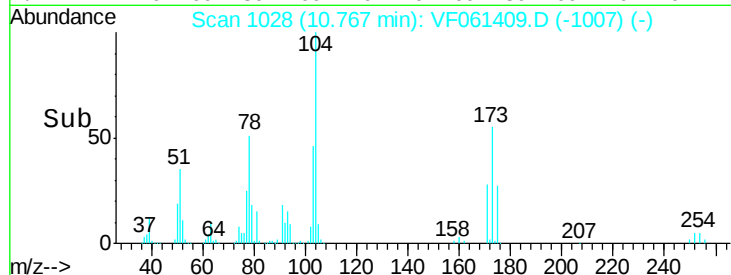
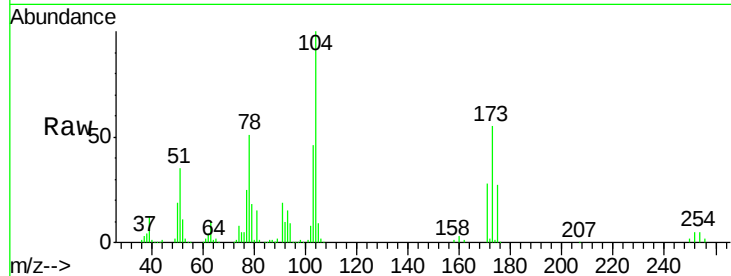
254 8.2 0.0 0.0#

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

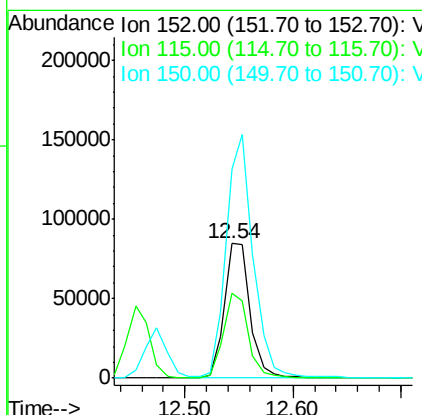
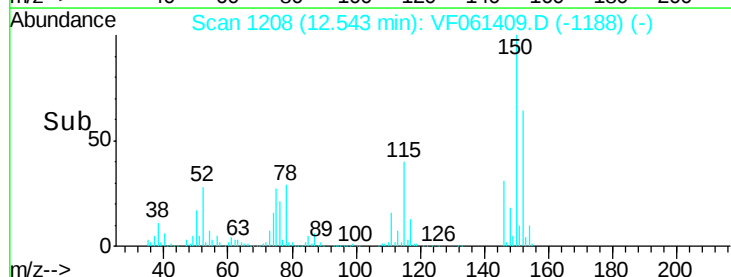
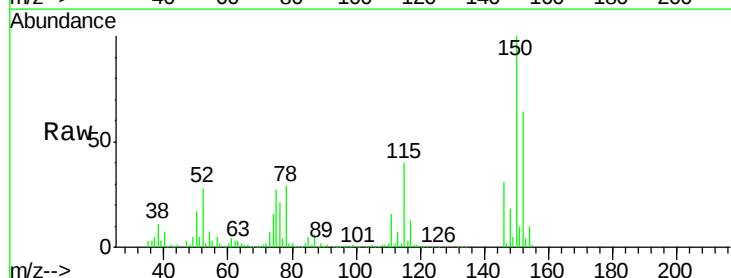
Tgt Ion:152 Resp: 140714

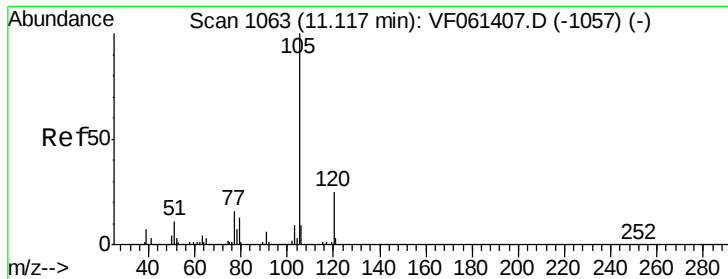
Ion Ratio Lower Upper

152 100

115 62.9 30.0 90.0

150 155.3 0.0 321.4





#73

Isopropylbenzene

Concen: 84.903 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1043425

Ion Ratio Lower Upper

105 100

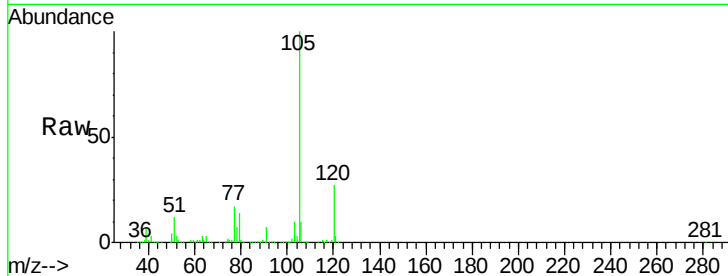
120 27.1 12.6 37.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

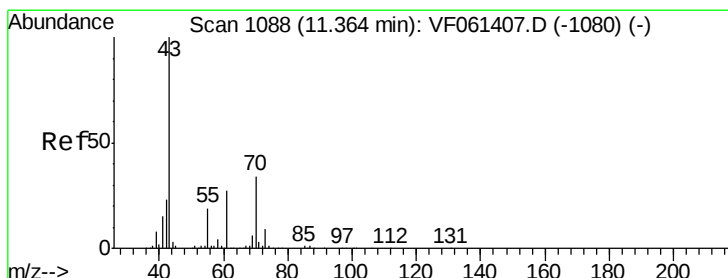
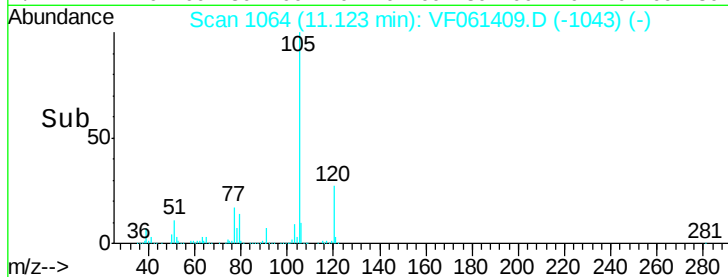
0

11.12

11.10

11.20

Time-->



#74

N-ethyl acetate

Concen: 97.015 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Tgt Ion: 43 Resp: 273832

Ion Ratio Lower Upper

43 100

70 37.9 27.6 41.4

55 20.9 15.4 23.2

61 25.6 21.8 32.6

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

250000

200000

150000

100000

50000

0

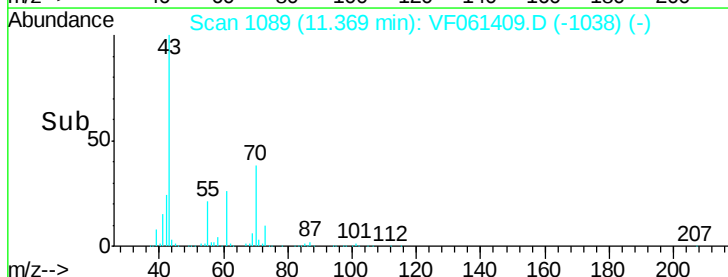
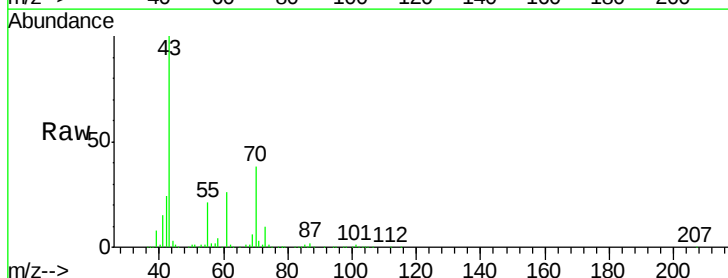
11.37

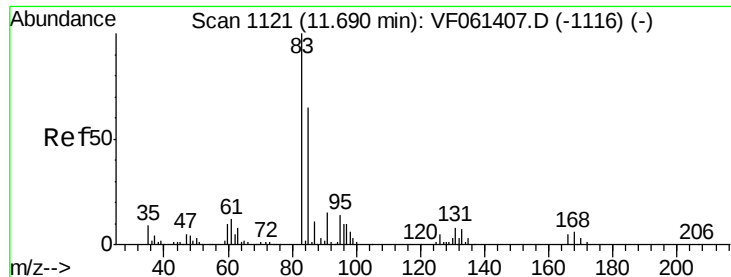
11.30

11.40

11.50

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 92.138 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

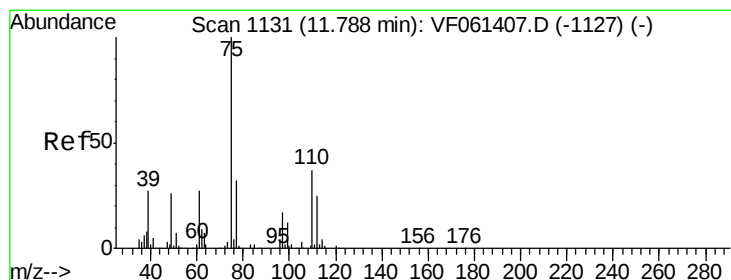
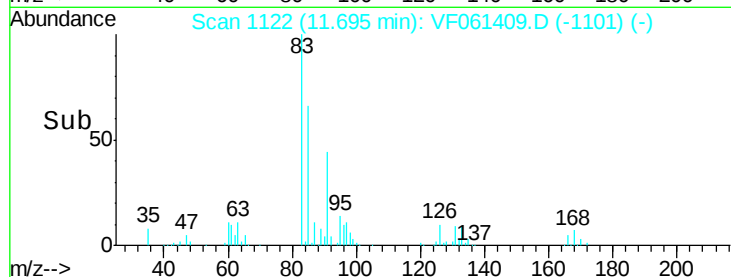
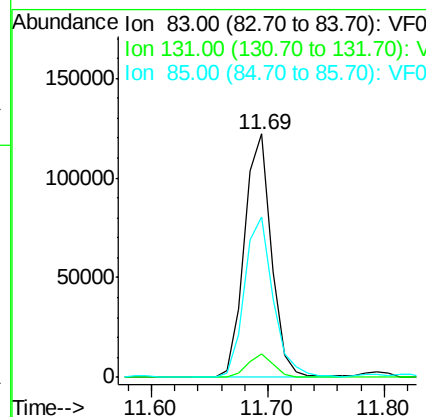
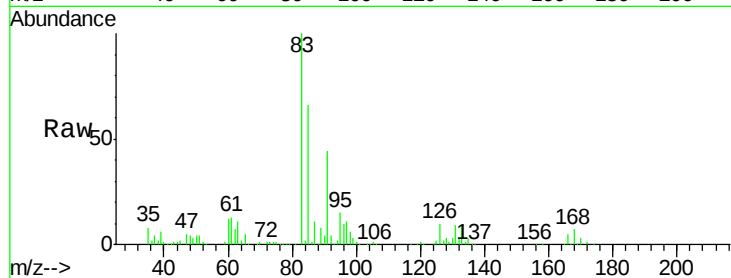
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	196940
Ion Ratio	Lower	Upper	
83	100		
131	9.5	4.0	12.2
85	65.6	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 91.087 ug/l

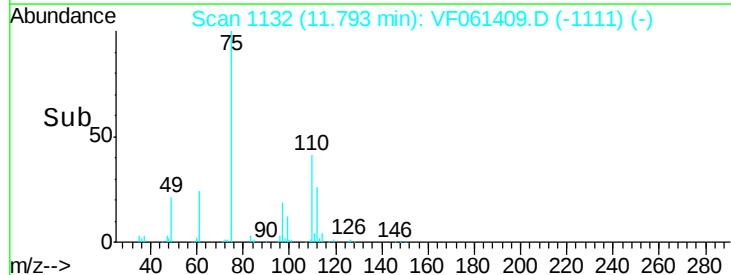
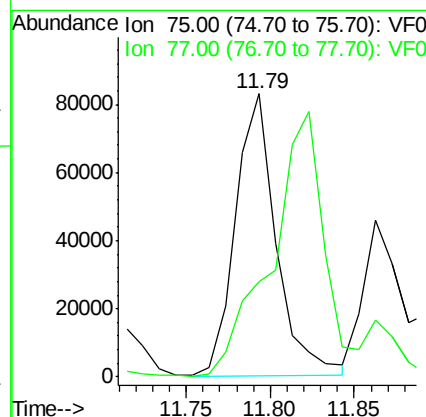
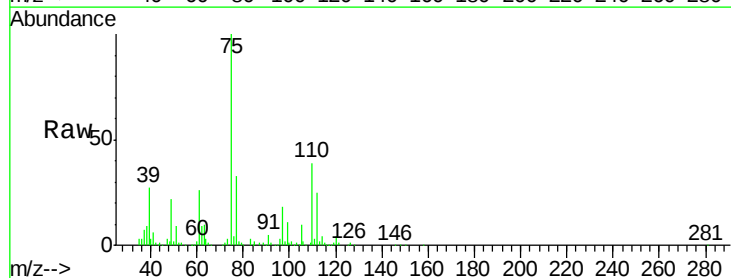
RT: 11.79 min Scan# 1132

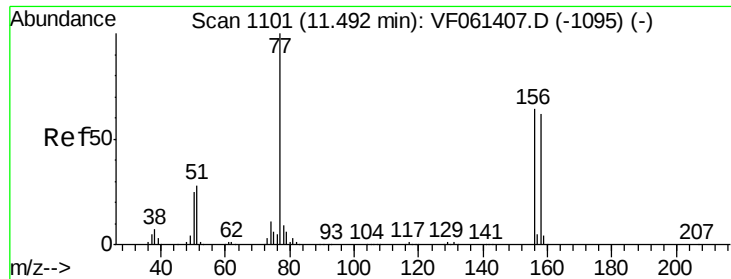
Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Tgt Ion:	75	Resp:	139947
Ion Ratio	Lower	Upper	
75	100		
77	33.4	16.1	48.3





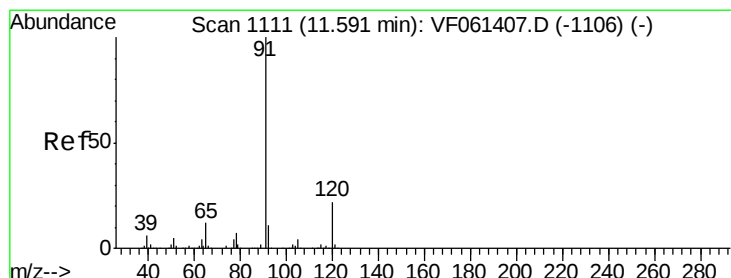
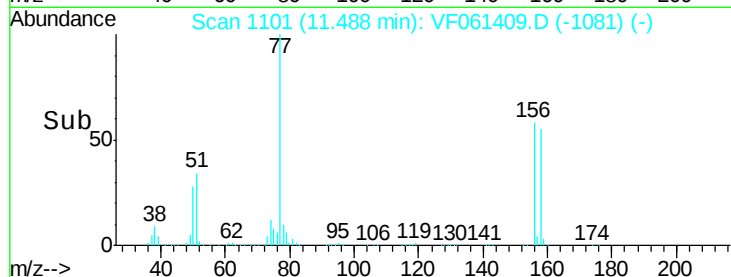
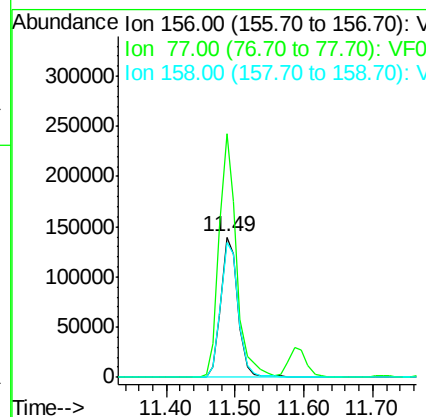
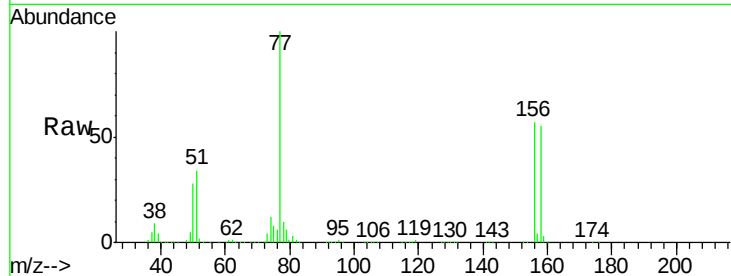
#77
Bromobenzene
Concen: 95.931 ug/l
RT: 11.49 min Scan# 1101
Delta R.T. -0.00 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		240645		
77	173.9	78.3	234.9		
158	96.3	48.9	146.7		

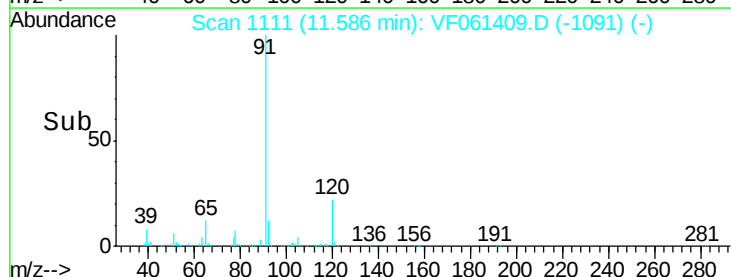
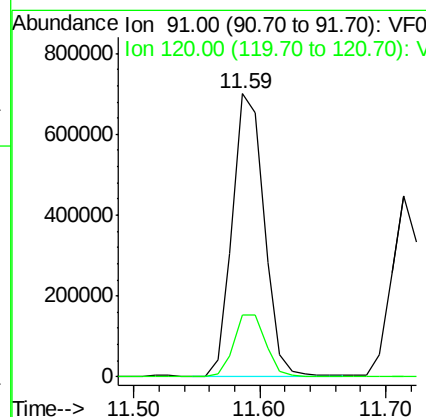
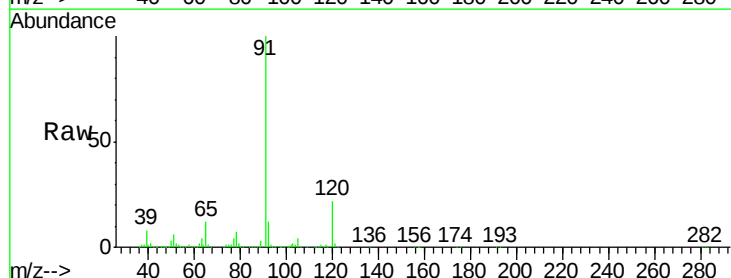
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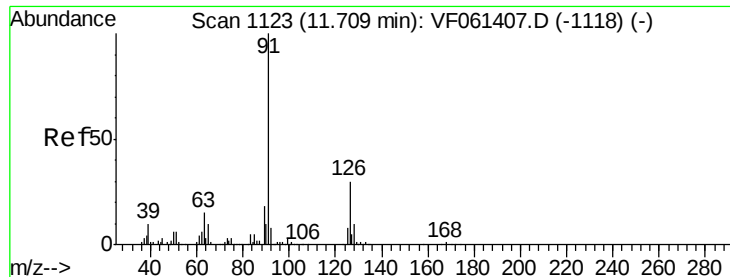
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#78
n-propylbenzene
Concen: 81.637 ug/l
RT: 11.59 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1222252		
120	22.0	10.9	32.6		





#79

2-Chlorotoluene

Concen: 84.612 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 719933

Ion Ratio Lower Upper

91 100

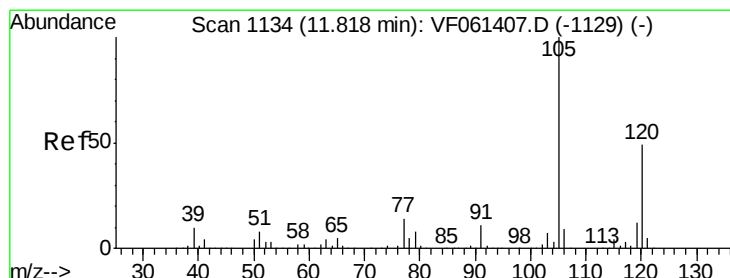
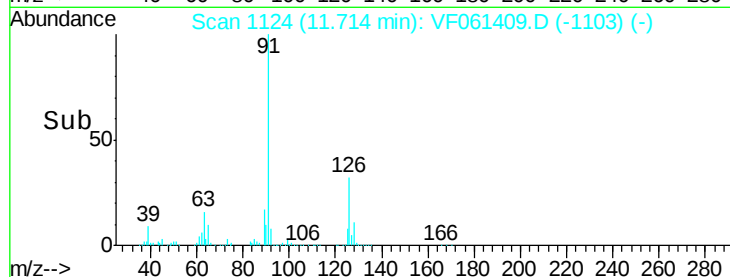
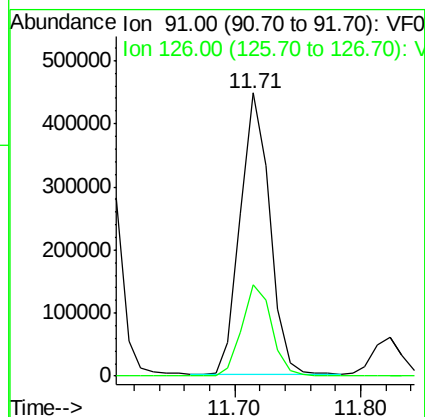
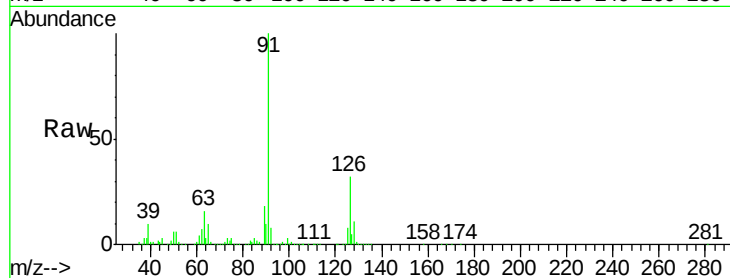
126 32.3 15.0 45.1

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#80

1,3,5-Trimethylbenzene

Concen: 89.309 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VF061409.D

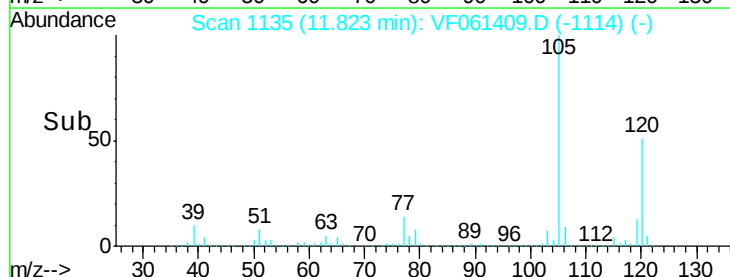
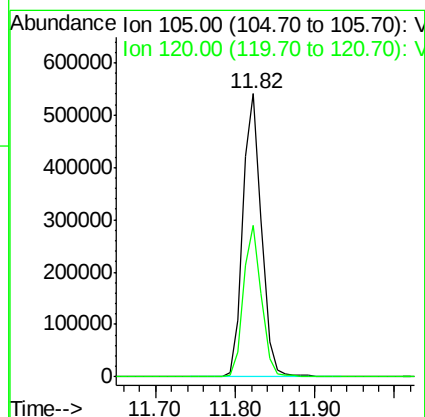
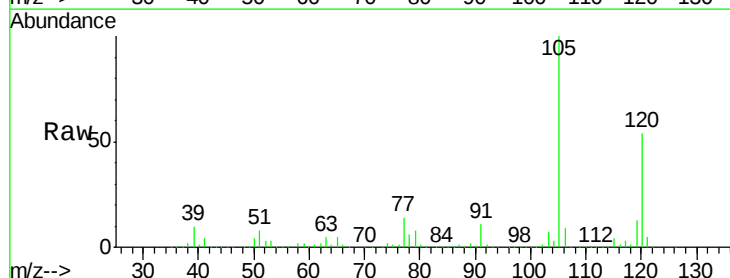
Acq: 15 Jan 2019 16:25

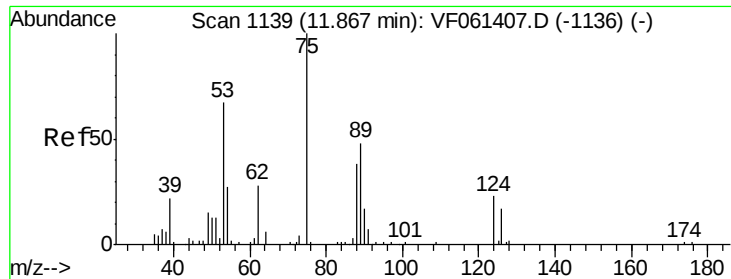
Tgt Ion: 105 Resp: 876129

Ion Ratio Lower Upper

105 100

120 53.5 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 83.152 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 67406

Ion Ratio Lower Upper

75 100

53 81.3 57.8 86.6

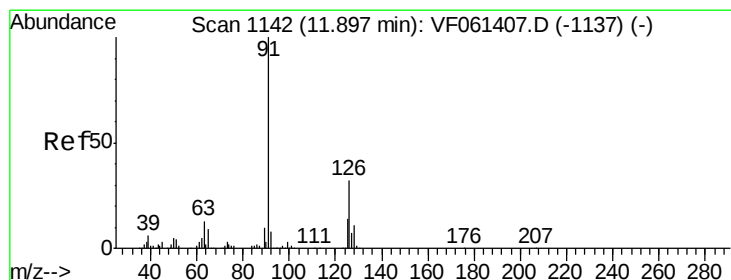
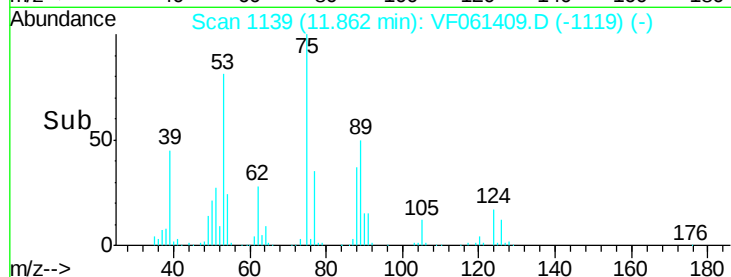
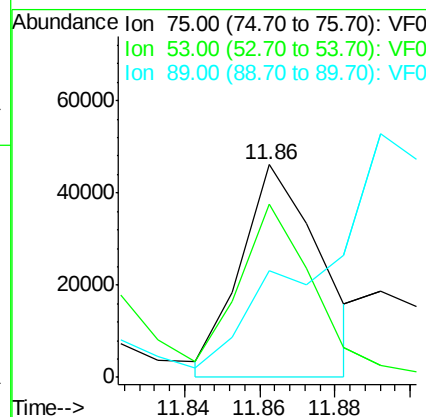
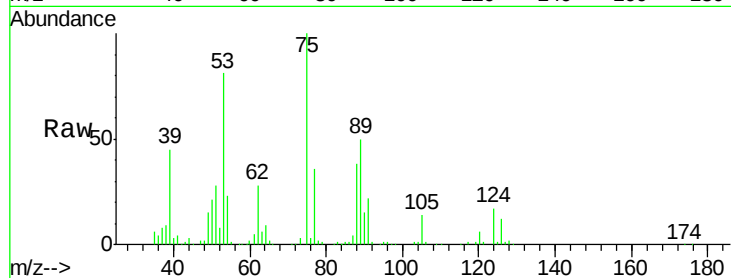
89 50.2 40.7 61.1

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#82

4-Chlorotoluene

Concen: 92.452 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF061409.D

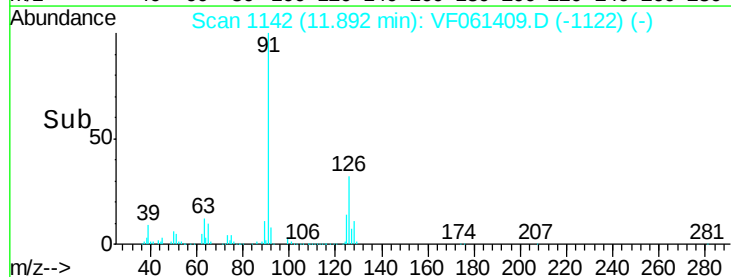
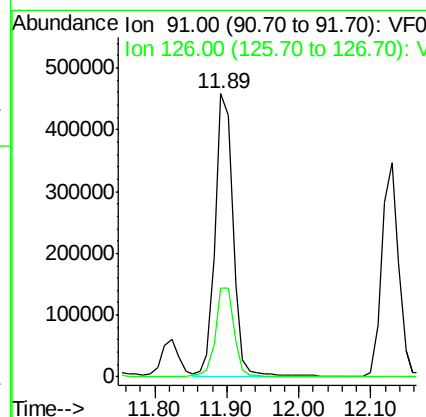
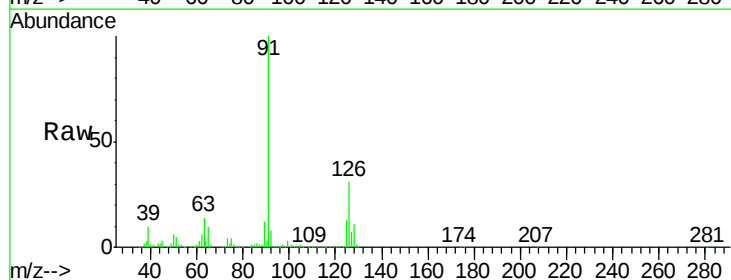
Acq: 15 Jan 2019 16:25

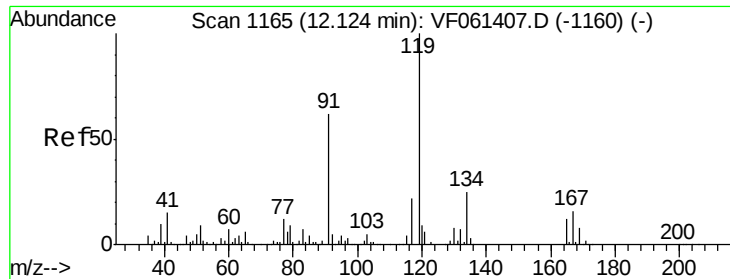
Tgt Ion: 91 Resp: 779138

Ion Ratio Lower Upper

91 100

126 31.2 16.0 47.9





#83

tert-Butylbenzene

Concen: 88.809 ug/l

RT: 12.13 min Scan# 1166

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

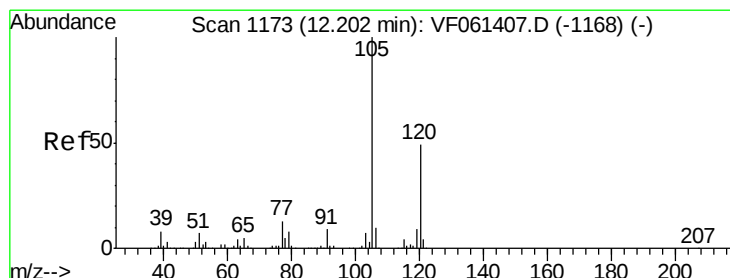
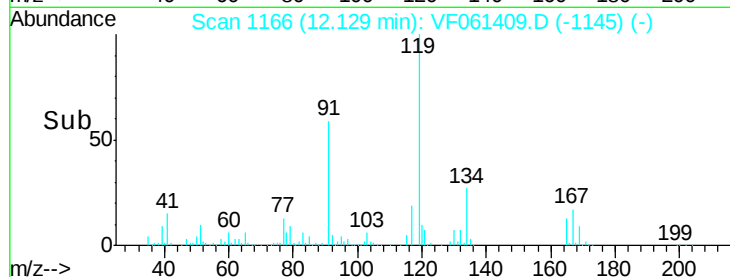
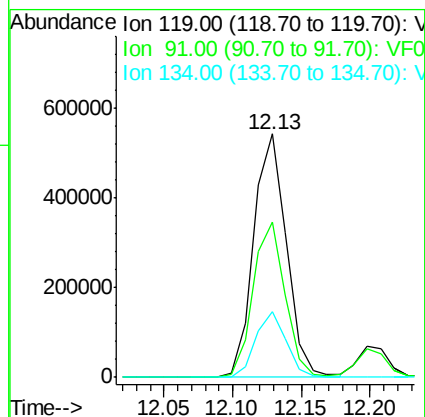
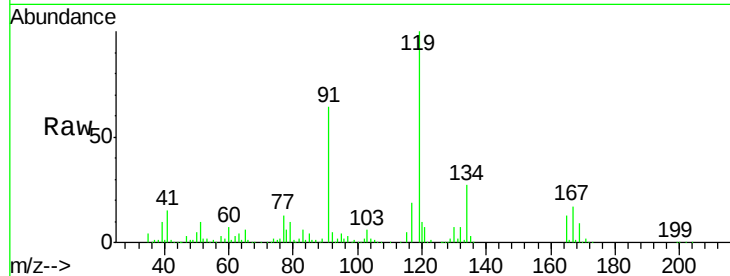
ClientSampleId :

VSTDIC100

Tot Ion:	119	Resp:	905940
Ion Ratio	Lower	Upper	
119	100		
91	63.9	31.3	93.8
134	27.0	12.4	37.0

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#84

1,2,4-Trimethylbenzene

Concen: 87.287 ug/l

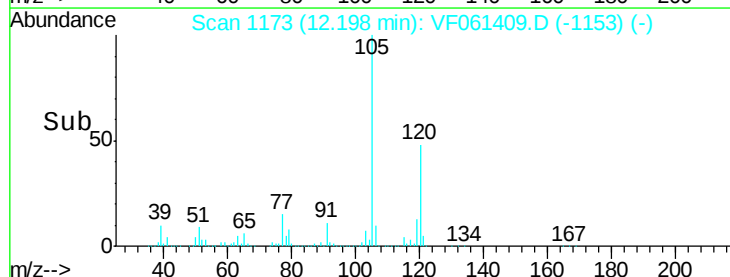
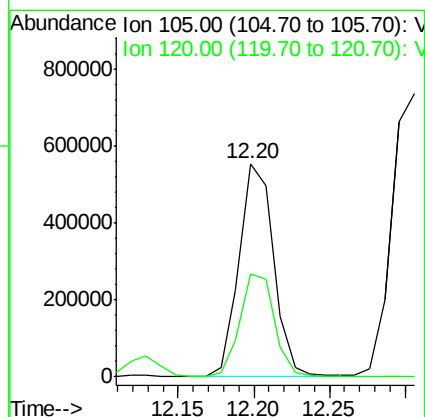
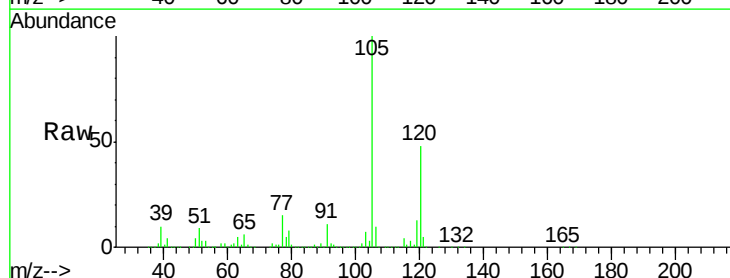
RT: 12.20 min Scan# 1173

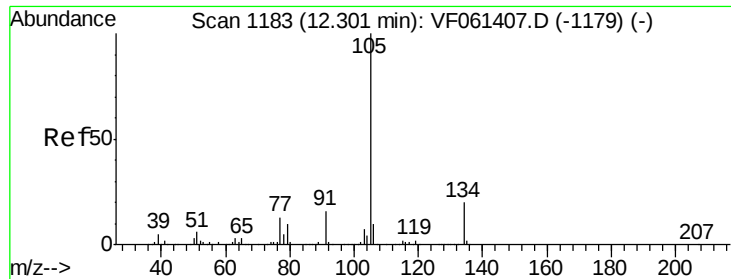
Delta R.T. -0.00 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Tgt Ion:	105	Resp:	885806
Ion Ratio	Lower	Upper	
105	100		
120	48.0	24.9	74.6





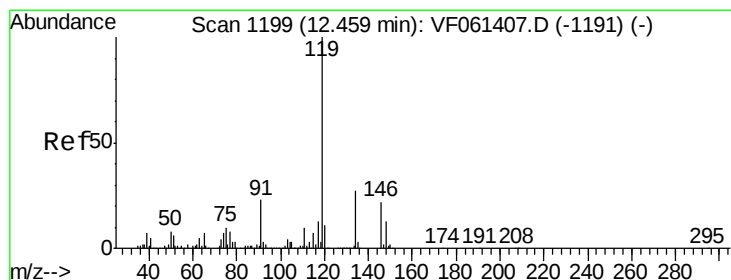
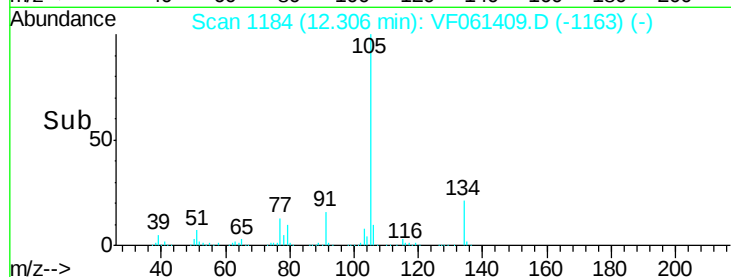
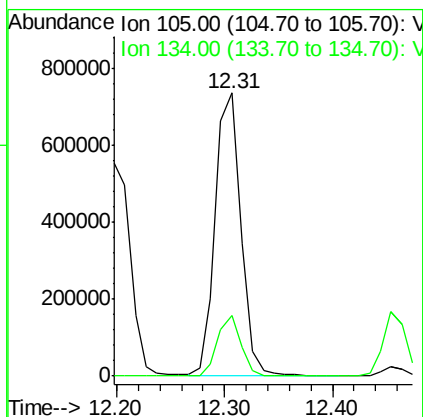
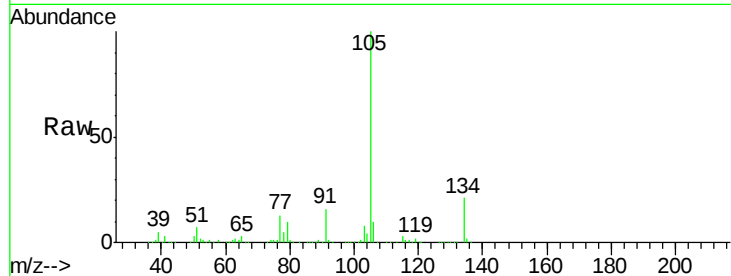
#85
 sec-Butylbenzene
 Concen: 87.251 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061409.D
 Acq: 15 Jan 2019 16:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1210473
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.0 30.0

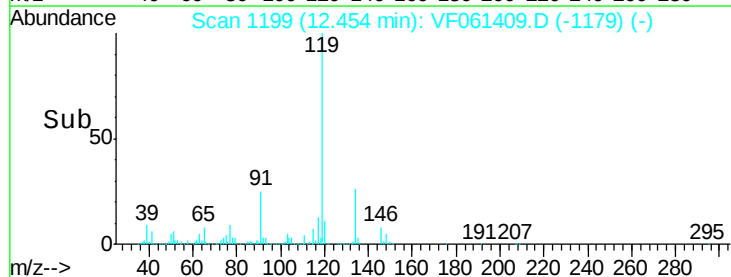
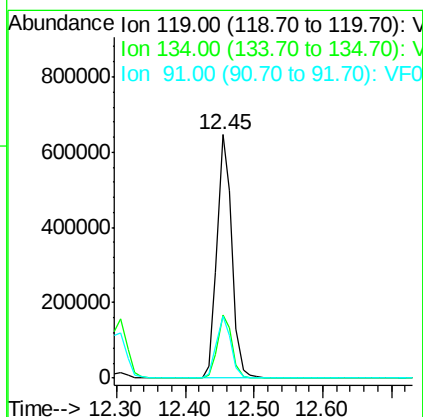
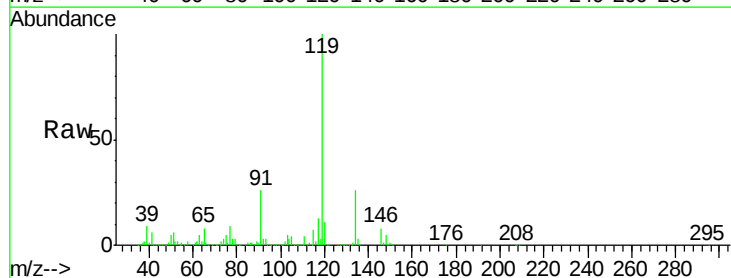
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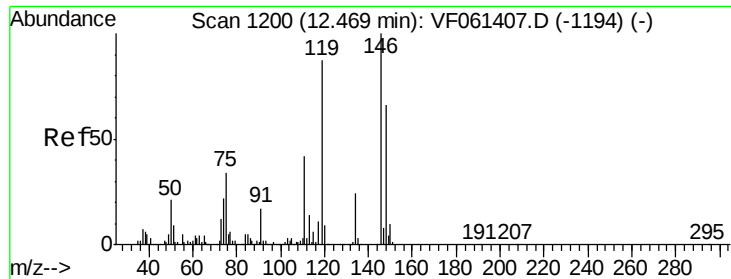
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#86
 p-Isopropyltoluene
 Concen: 83.544 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061409.D
 Acq: 15 Jan 2019 16:25

Tgt Ion:119 Resp: 964918
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.4 40.2
 91 25.6 11.4 34.2





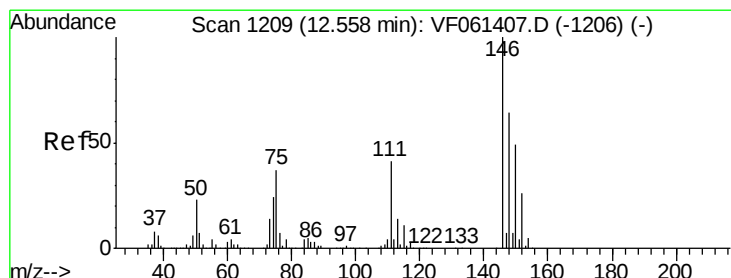
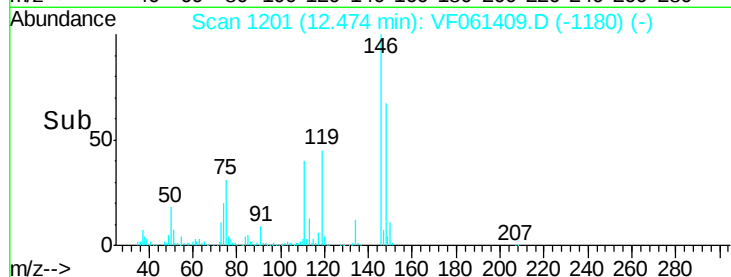
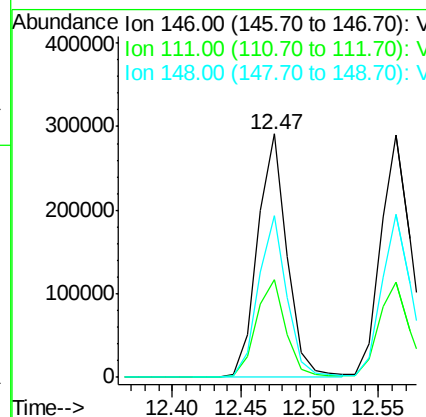
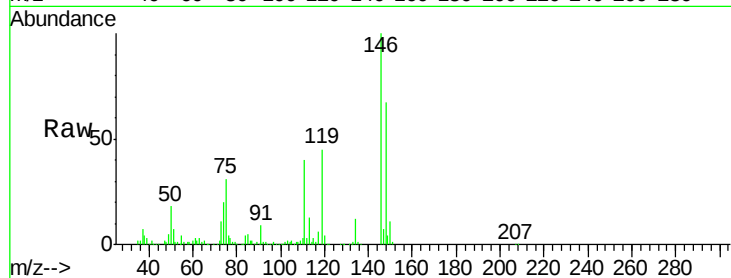
#87
 1,3-Dichlorobenzene
 Concen: 84.297 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061409.D
 Acq: 15 Jan 2019 16:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.1	63.4
148	66.6	32.9	98.6

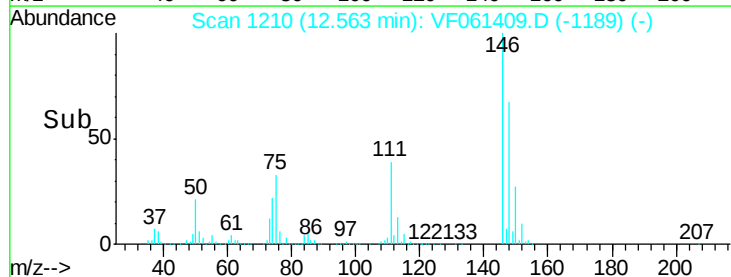
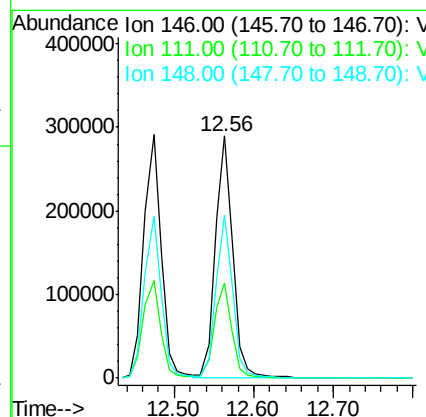
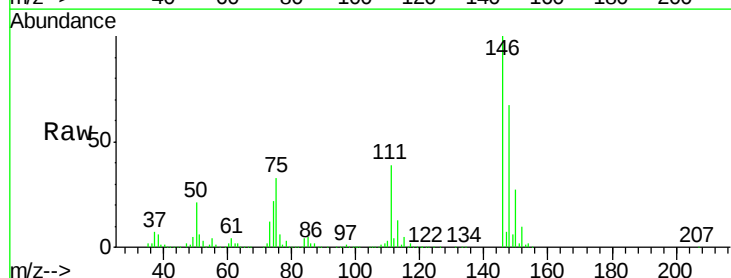
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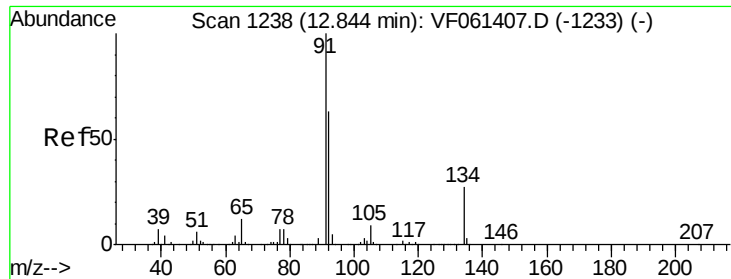
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#88
 1,4-Dichlorobenzene
 Concen: 94.722 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.01 min
 Lab File: VF061409.D
 Acq: 15 Jan 2019 16:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.8	62.2
148	67.4	32.1	96.5





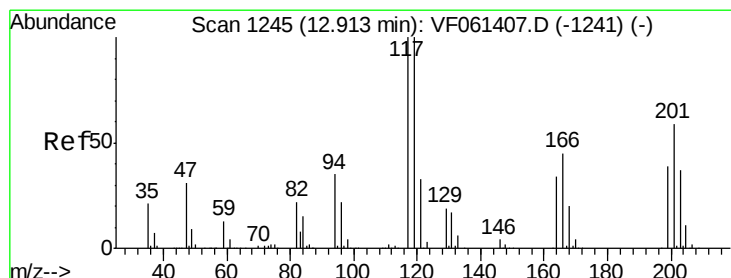
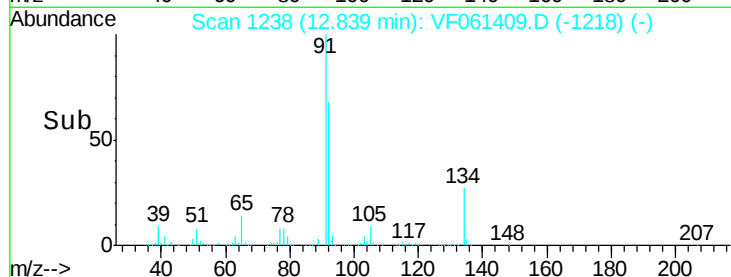
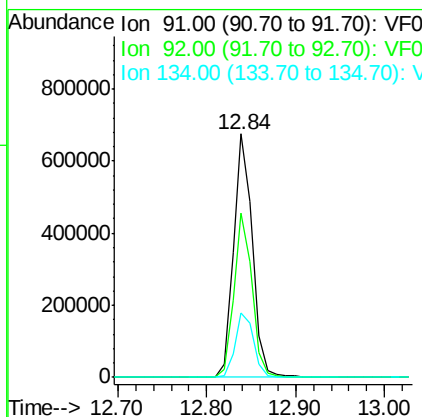
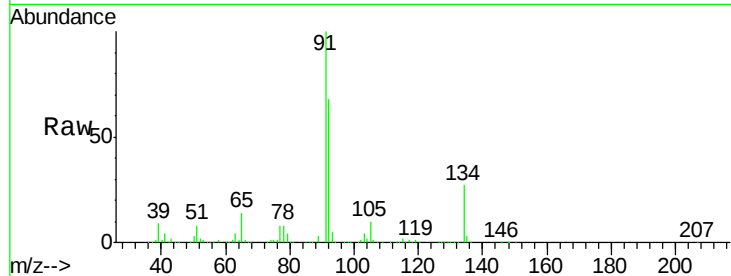
#89
n-Butylbenzene
Concen: 84.102 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1003942
Ion Ratio Lower Upper
91 100
92 67.5 31.6 94.7
134 26.7 13.6 40.8

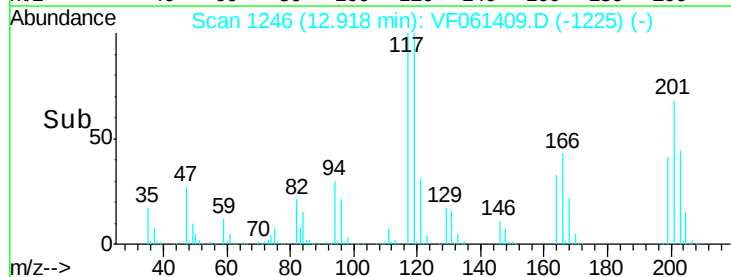
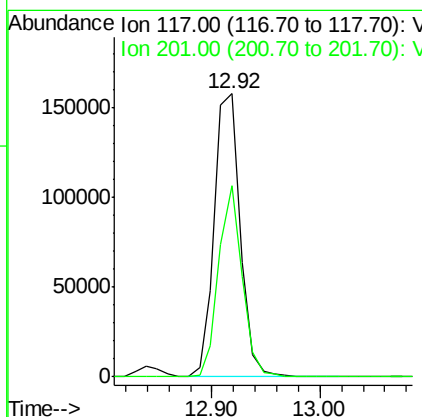
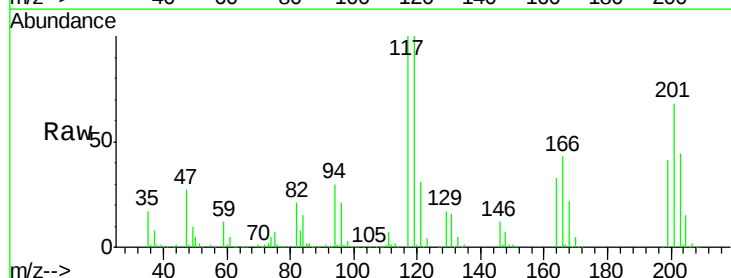
Manual Integrations
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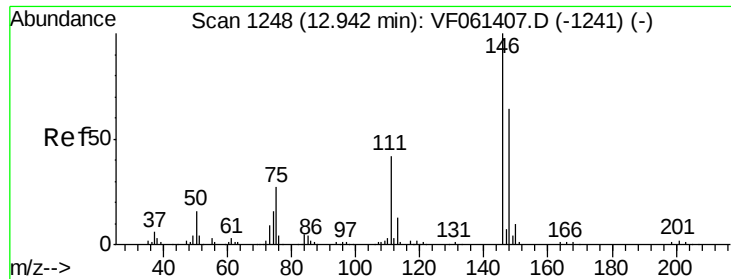
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#90
Hexachloroethane
Concen: 103.453 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061409.D
Acq: 15 Jan 2019 16:25

Tgt Ion: 117 Resp: 263754
Ion Ratio Lower Upper
117 100
201 67.7 29.3 87.8





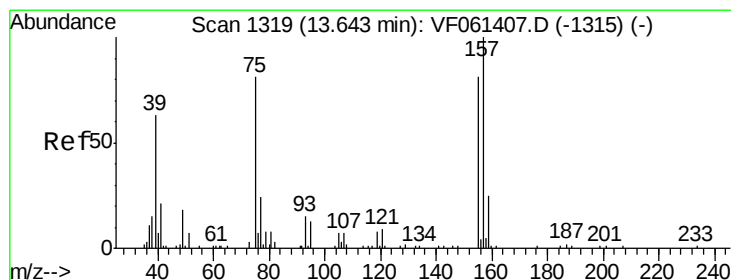
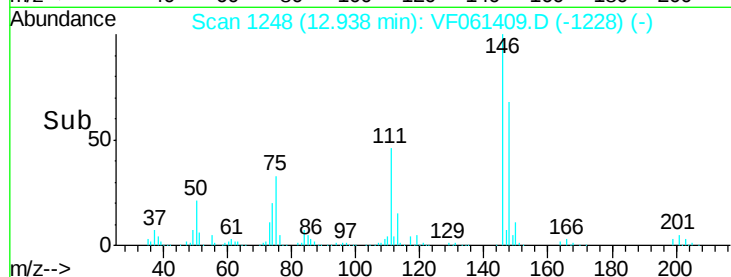
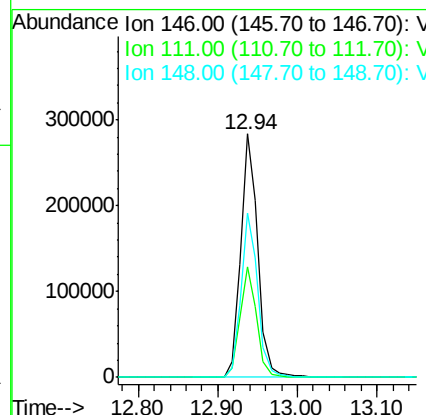
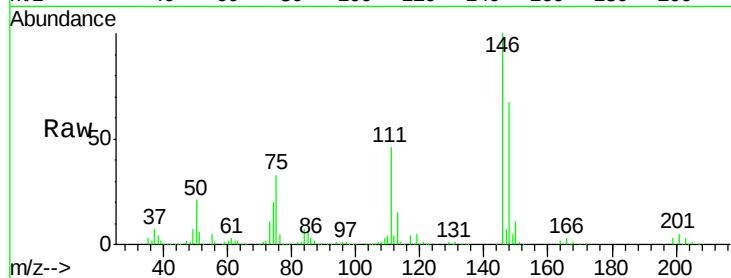
#91
 1,2-Dichlorobenzene
 Concen: 88.216 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061409.D
 Acq: 15 Jan 2019 16:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	21.1	63.3
148	67.5	31.9	95.7

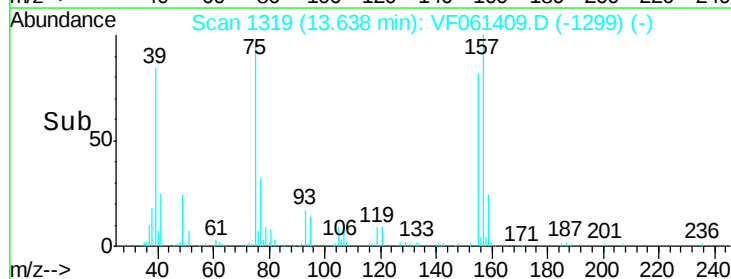
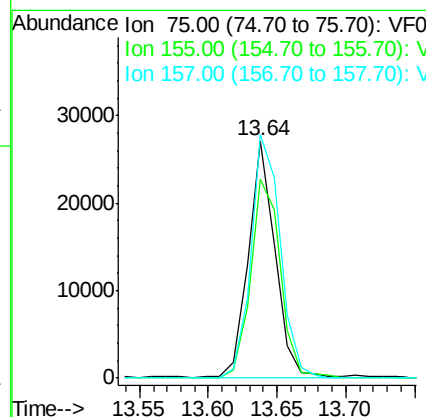
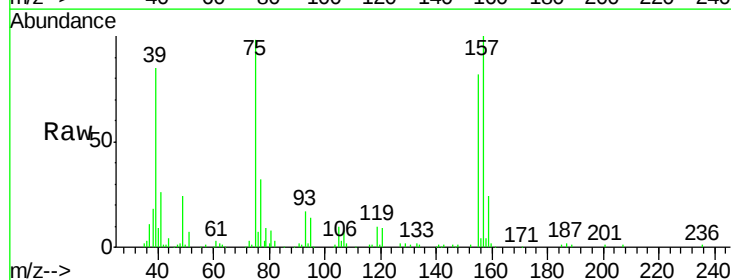
Manual Integrations
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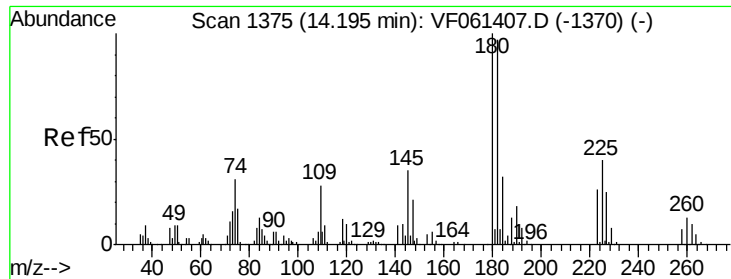
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 100.535 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061409.D
 Acq: 15 Jan 2019 16:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.7	49.7	149.1
157	102.5	61.4	184.1





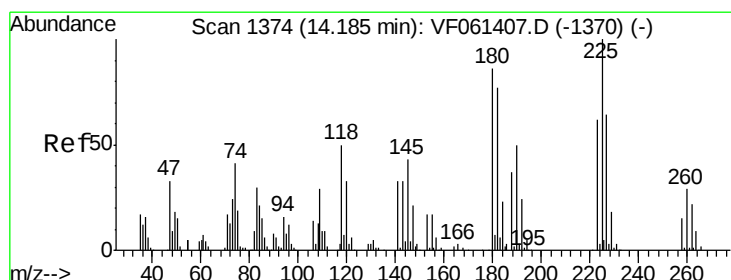
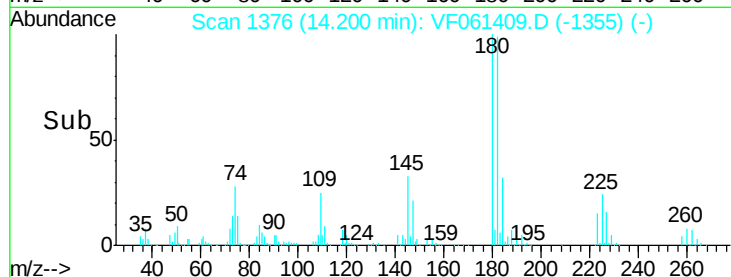
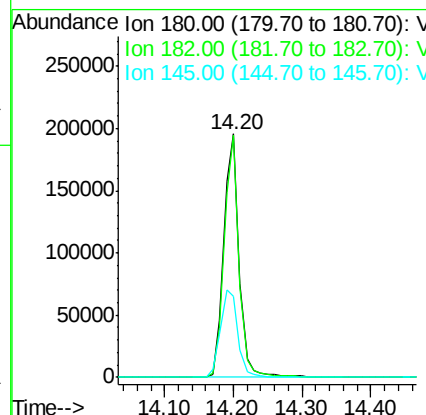
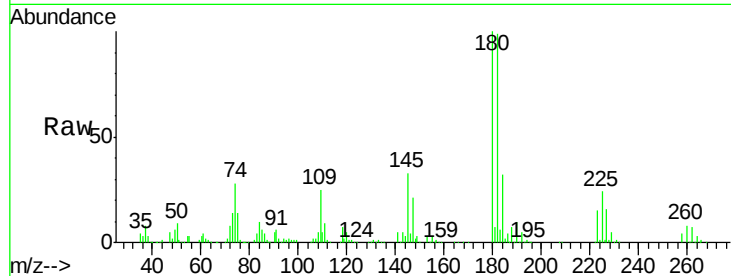
#93
 1,2,4-Trichlorobenzene
 Concen: 90.480 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061409.D
 Acq: 15 Jan 2019 16:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	303451		
182	99.3	48.5	145.6	
145	33.4	17.5	52.6	

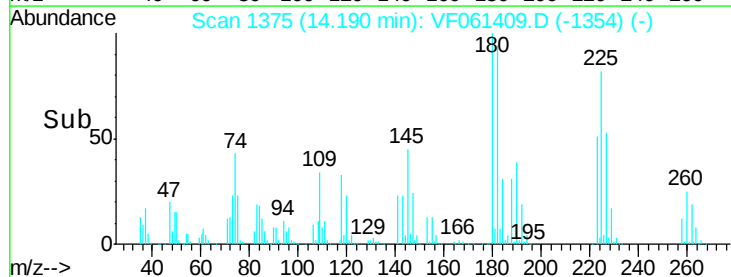
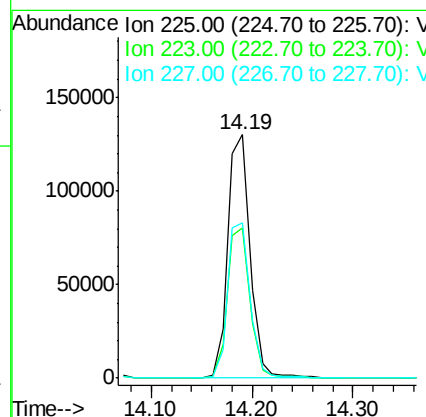
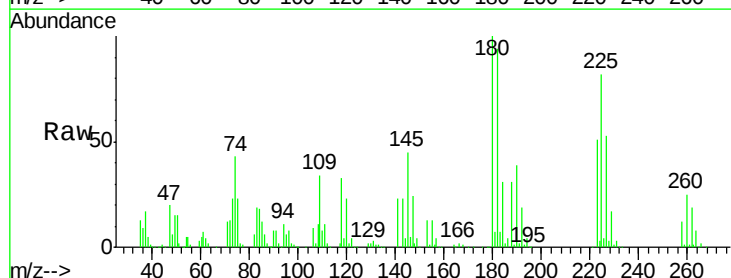
Manual Integrations
 APPROVED

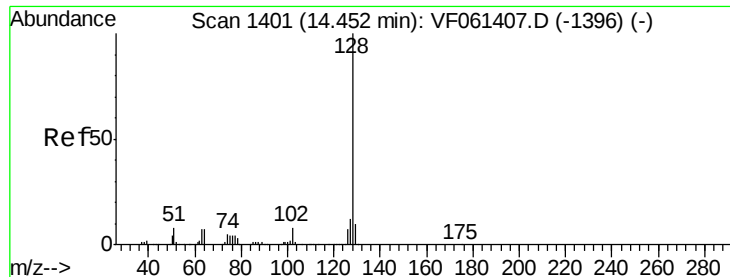
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#94
 Hexachlorobutadiene
 Concen: 99.227 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061409.D
 Acq: 15 Jan 2019 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	201512		
223	61.7	31.1	93.2	
227	63.9	32.2	96.6	





#95

Naphthalene

Concen: 109.602 ug/l

RT: 14.46 min Scan# 1402

Delta R.T. 0.01 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Instrument :

MSVOA_F

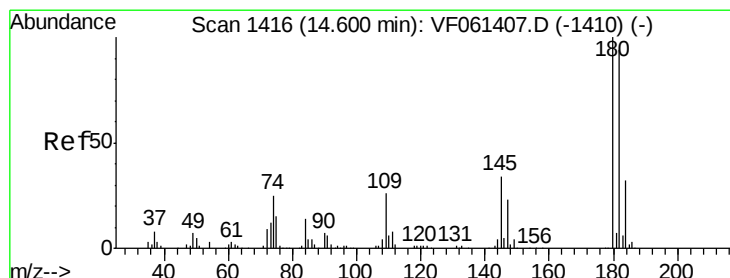
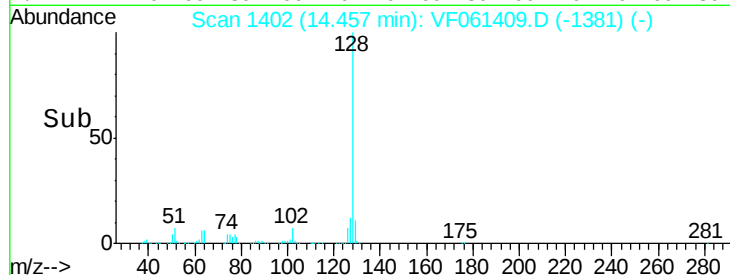
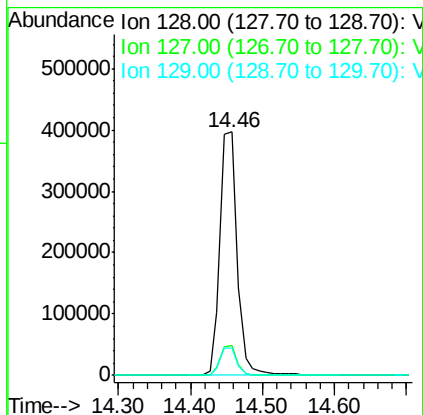
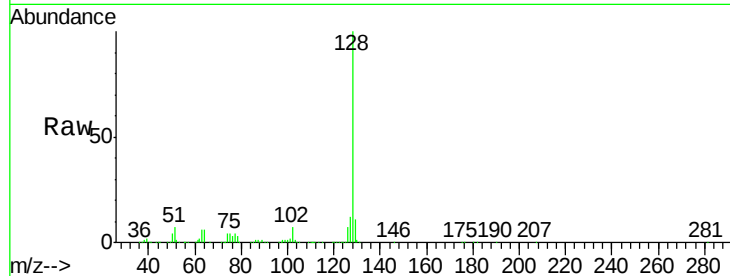
ClientSampleId :

VSTDIC100

Tot Ion:	128	Resp:	654287
Ion Ratio	Lower	Upper	
128	100		
127	12.1	9.5	14.3
129	11.4	8.4	12.6

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 97.581 ug/l

RT: 14.59 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VF061409.D

Acq: 15 Jan 2019 16:25

Tgt Ion:	180	Resp:	293961
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.0	141.2
145	36.7	17.1	51.2

