

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011519\
 Data File : VF061408.D
 Acq On : 15 Jan 2019 15:56
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
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 1/16/2019 4:05:45 PM

Quant Time: Jan 16 03:59:20 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	4.87	168	179360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	319582	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	292834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	141629	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.84	65	162634	74.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	148.68%	
35) Dibromofluoromethane	4.11	113	176312	68.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	136.50%	
50) Toluene-d8	7.55	98	488466	69.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	139.90%	
62) 4-Bromofluorobenzene	11.41	95	208180	61.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	123.42%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	269895	75.929	ug/l	90
3) Chloromethane	1.10	50	178123	66.101	ug/l	97
4) Vinyl Chloride	1.14	62	165708	69.812	ug/l	100
5) Bromomethane	1.32	94	106934	65.795	ug/l	96
6) Chloroethane	1.39	64	72398	67.516	ug/l	96
7) Trichlorofluoromethane	1.49	101	316891m	67.053	ug/l	
8) Diethyl Ether	1.62	74	42277	71.345	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.83	101	154026	69.752	ug/l	98
10) Methyl Iodide	1.91	142	246249m	71.972	ug/l	
11) Tert butyl alcohol	2.57	59	34208	359.484	ug/l	96
12) 1,1-Dichloroethene	1.79	96	118739	72.381	ug/l	99
13) Acrolein	2.00	56	27584	311.633	ug/l	95
14) Allyl chloride	2.09	41	177992	60.317	ug/l	97
15) Acrylonitrile	2.94	53	83685	337.363	ug/l	96
16) Acetone	2.24	43	161984	342.871	ug/l	96
17) Carbon Disulfide	1.83	76	370846m	72.469	ug/l	
18) Methyl Acetate	2.34	43	61612	55.273	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	249101	68.130	ug/l	96
20) Methylene Chloride	2.18	84	116561m	62.732	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	123182	67.589	ug/l	94
22) Diisopropyl ether	2.80	45	399724	69.647	ug/l	98
23) Vinyl Acetate	3.18	43	963628	441.302	ug/l	99
24) 1,1-Dichloroethane	2.87	63	252402	69.061	ug/l	98
25) 2-Butanone	4.33	43	260363	346.005	ug/l	98
26) 2,2-Dichloropropane	3.60	77	141672	60.172	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	196812	74.751	ug/l	99
28) Bromochloromethane	3.72	49	109183	64.175	ug/l #	97
29) Tetrahydrofuran	4.06	42	110497	333.760	ug/l	95
30) Chloroform	3.85	83	347561	70.467	ug/l	99
31) Cyclohexane	3.69	56	237403m	63.656	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	254618	67.885	ug/l	96
36) 1,1-Dichloropropene	4.28	75	244759	64.584	ug/l	99
37) Ethyl Acetate	4.11	43	102017	66.297	ug/l #	78
38) Carbon Tetrachloride	3.99	117	210286	51.217	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	282738	67.574	ug/l	97
40) Benzene	4.62	78	534515	62.194	ug/l	99
41) Methacrylonitrile	4.74	41	49039	60.504	ug/l #	89
42) 1,2-Dichloroethane	4.94	62	214549	72.026	ug/l	98
43) Isopropyl Acetate	6.95	43	132364	71.939	ug/l #	97
44) Trichloroethene	5.50	130	183493	69.500	ug/l	100
45) 1,2-Dichloropropane	6.23	63	151272	68.665	ug/l	100
46) Dibromomethane	6.08	93	102172	70.738	ug/l	96
47) Bromodichloromethane	6.38	83	268613	76.004	ug/l	98
48) Methyl methacrylate	6.71	41	92164	74.195	ug/l	91
49) 1,4-Dioxane	6.70	88	14297	1540.934	ug/l #	79
51) 4-Methyl-2-Pentanone	8.25	43	472401	327.838	ug/l	98
52) Toluene	7.62	92	361593	63.360	ug/l	95
53) t-1,3-Dichloropropene	8.27	75	204582	71.755	ug/l	96
54) cis-1,3-Dichloropropene	7.30	75	264224	73.682	ug/l	96
55) 1,1,2-Trichloroethane	8.49	97	115251	74.304	ug/l	99
56) Ethyl methacrylate	8.62	69	130937	73.663	ug/l	98
57) 1,3-Dichloropropane	8.85	76	206422	71.742	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.30	63	69333	576.575	ug/l	98
59) 2-Hexanone	9.49	43	322990	322.020	ug/l	100
60) Dibromochloromethane	8.71	129	166505	75.530	ug/l	99
61) 1,2-Dibromoethane	8.98	107	128276	72.282	ug/l	96
64) Tetrachloroethene	8.15	164	163058	73.099	ug/l	99
65) Chlorobenzene	9.79	112	428557	69.059	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.92	131	168020	69.166	ug/l	98
67) Ethyl Benzene	9.89	91	769063	66.931	ug/l	99
68) m/p-Xylenes	10.13	106	517311	124.794	ug/l	95
69) o-Xylene	10.71	106	286191	64.637	ug/l	97
70) Styrene	10.79	104	403791	65.704	ug/l	98
71) Bromoform	10.77	173	82690	78.986	ug/l #	97
73) Isopropylbenzene	11.12	105	874213	70.675	ug/l	97
74) N-amyl acetate	11.37	43	195496	68.814	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	146448	68.073	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	105142	67.992	ug/l	91
77) Bromobenzene	11.49	156	179972	71.281	ug/l	90
78) n-propylbenzene	11.59	91	965963	64.102	ug/l	99
79) 2-Chlorotoluene	11.72	91	563396	65.786	ug/l	96
80) 1,3,5-Trimethylbenzene	11.82	105	663816	67.229	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.86	75	46812m	57.374	ug/l	
82) 4-Chlorotoluene	11.89	91	566666	66.806	ug/l	98
83) tert-Butylbenzene	12.13	119	702311	68.402	ug/l	98
84) 1,2,4-Trimethylbenzene	12.20	105	688632	67.419	ug/l	98
85) sec-Butylbenzene	12.30	105	943461	67.565	ug/l	98
86) p-Isopropyltoluene	12.46	119	732172	62.983	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	309996	59.725	ug/l	98
88) 1,4-Dichlorobenzene	12.56	146	340034	71.515	ug/l	97
89) n-Butylbenzene	12.84	91	759861	63.244	ug/l	97
90) Hexachloroethane	12.91	117	194669	75.862	ug/l	88
91) 1,2-Dichlorobenzene	12.94	146	316072	65.348	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.64	75	28288	77.570	ug/l	97

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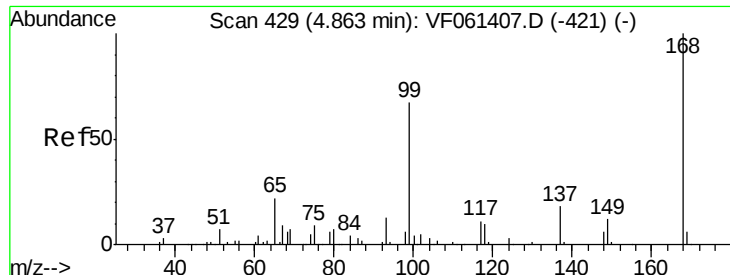
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	235533	69.775	ug/l	95
94) Hexachlorobutadiene	14.18	225	150257	73.510	ug/l	97
95) Naphthalene	14.45	128	482171	80.248	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	228082	75.223	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 168 Resp: 179360

Ion Ratio Lower Upper

168 100

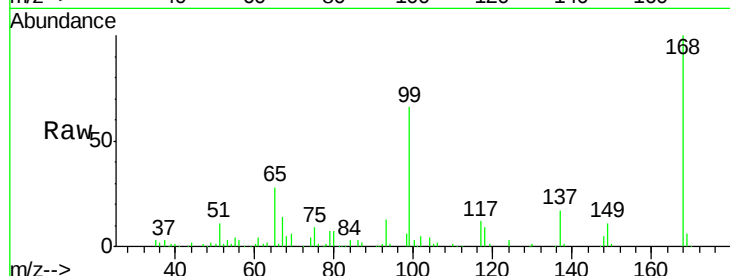
99 66.3 53.5 80.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

60000

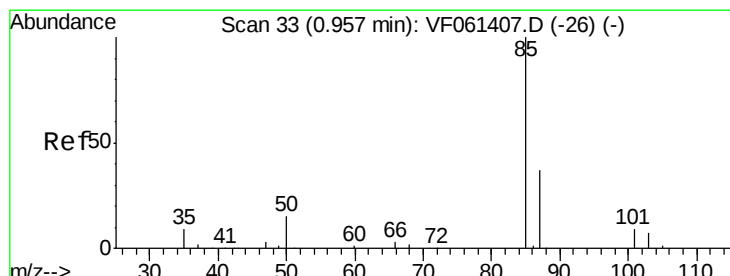
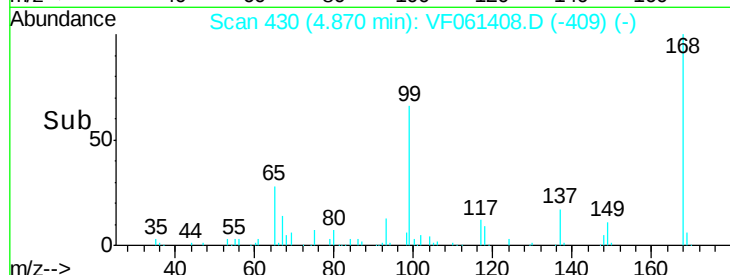
40000

20000

0

4.70 4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 75.929 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061408.D

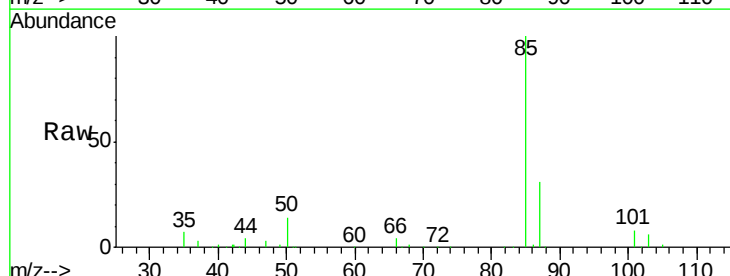
Acq: 15 Jan 2019 15:56

Tgt Ion: 85 Resp: 269895

Ion Ratio Lower Upper

85 100

87 31.0 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

80000

60000

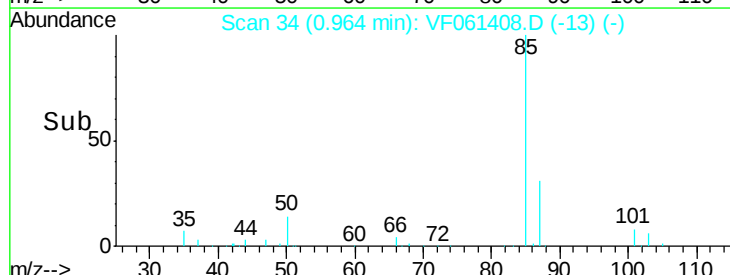
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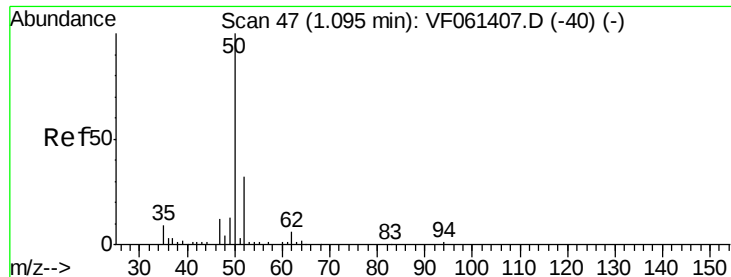
20000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 66.101 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 178123

Ion Ratio Lower Upper

50 100

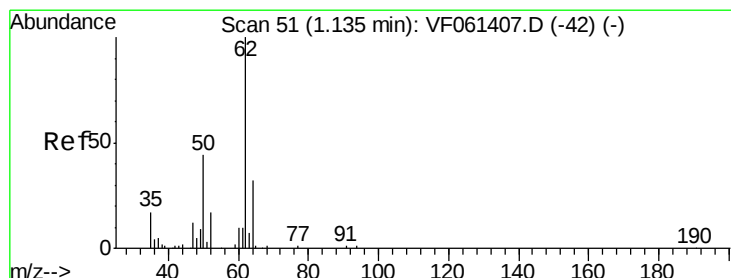
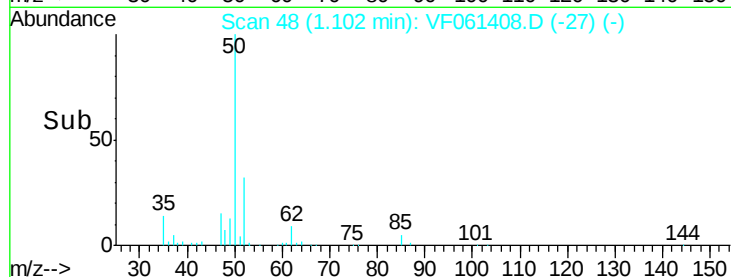
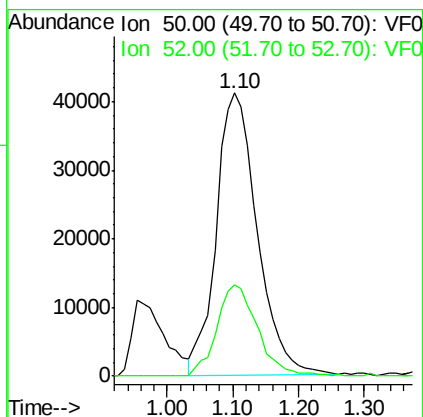
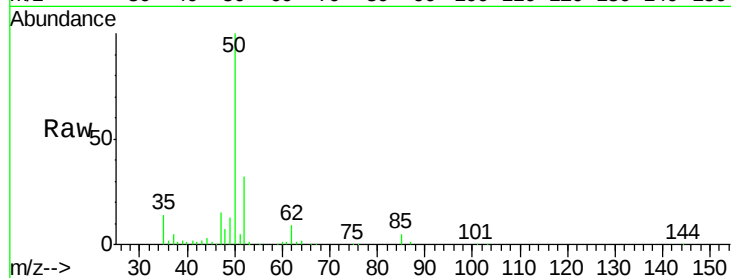
52 32.2 24.6 36.8

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#4

Vinyl Chloride

Concen: 69.812 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061408.D

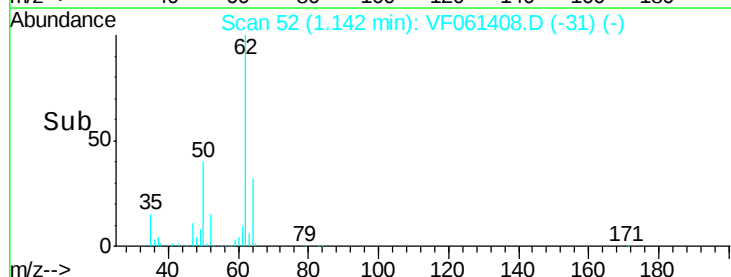
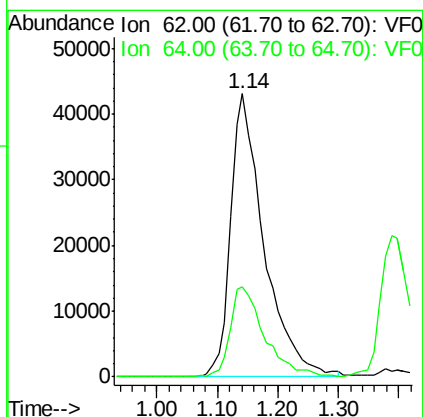
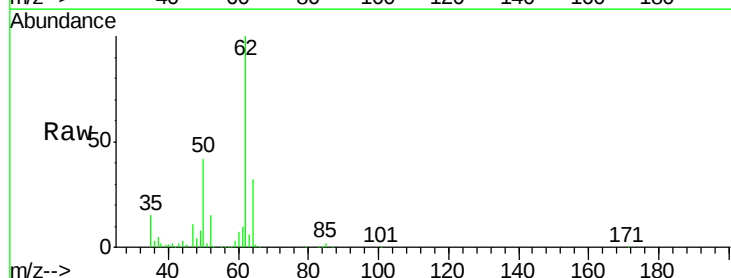
Acq: 15 Jan 2019 15:56

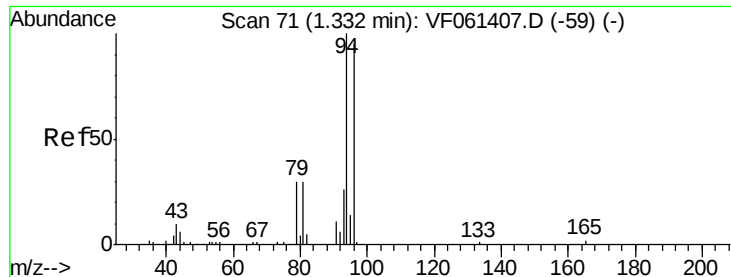
Tgt Ion: 62 Resp: 165708

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 65.795 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 94 Resp: 106934

Ion Ratio Lower Upper

94 100

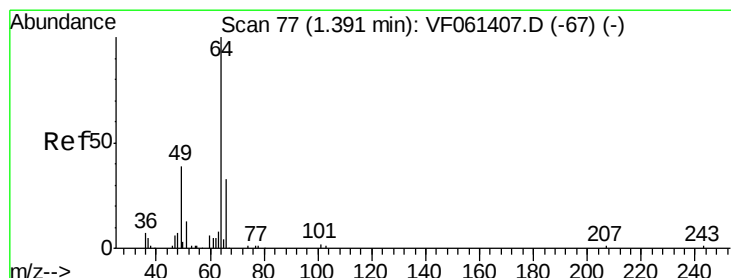
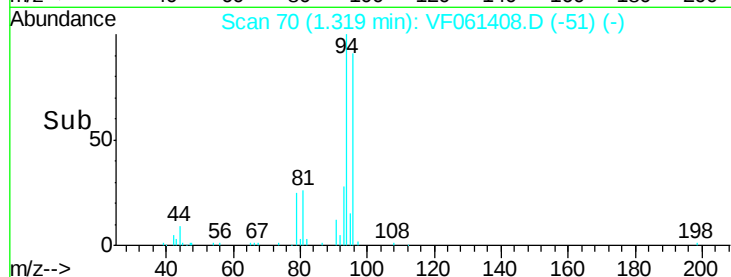
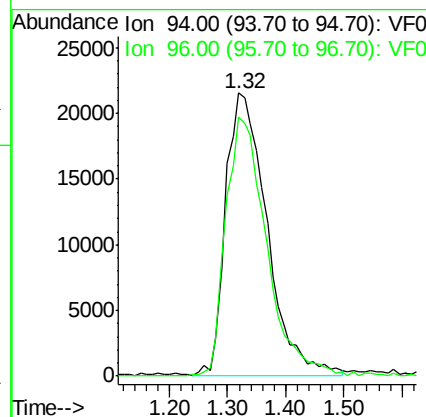
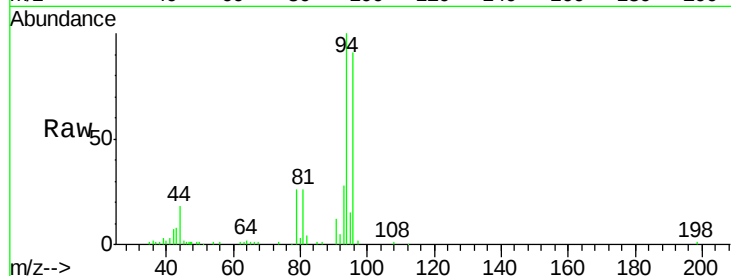
96 91.4 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 67.516 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061408.D

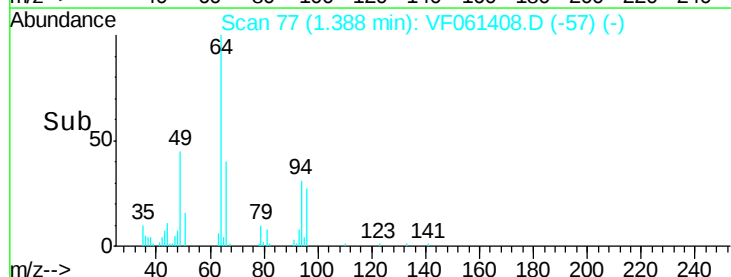
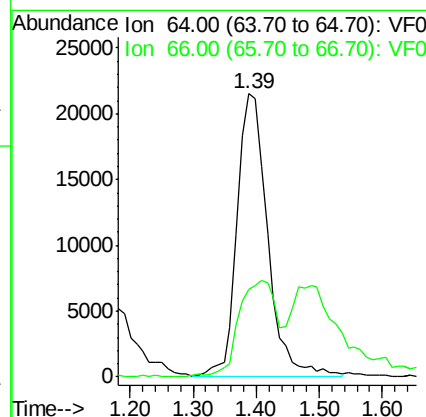
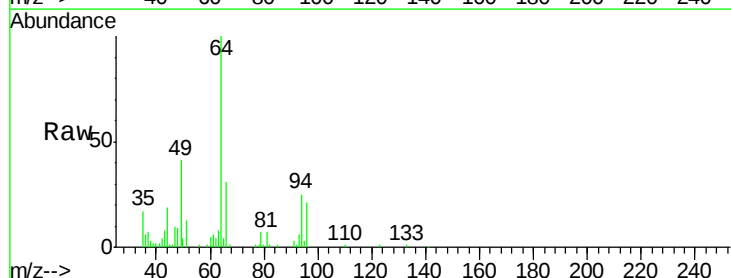
Acq: 15 Jan 2019 15:56

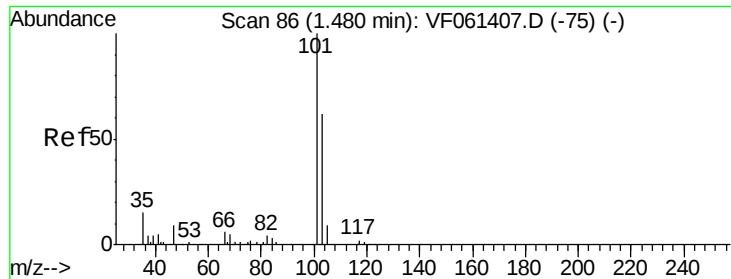
Tgt Ion: 64 Resp: 72398

Ion Ratio Lower Upper

64 100

66 31.1 26.6 40.0





#7

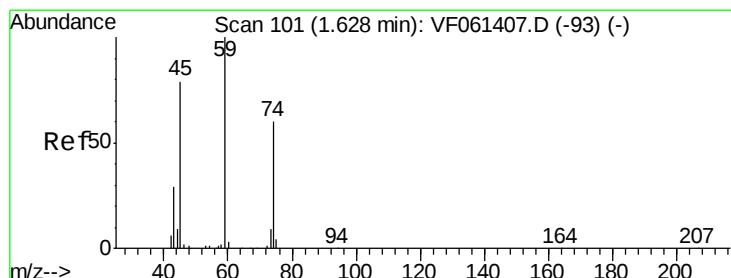
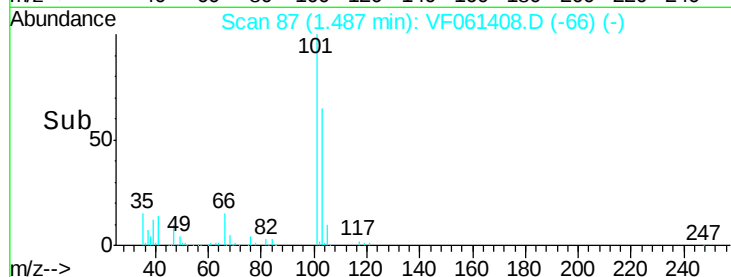
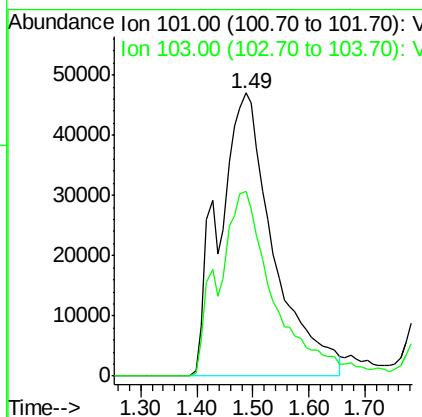
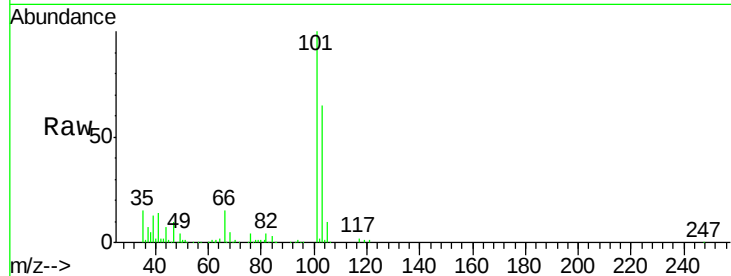
Trichlorofluoromethane
Concen: 67.053 ug/l
RT: 1.49 min Scan# 87
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	49.7	74.5

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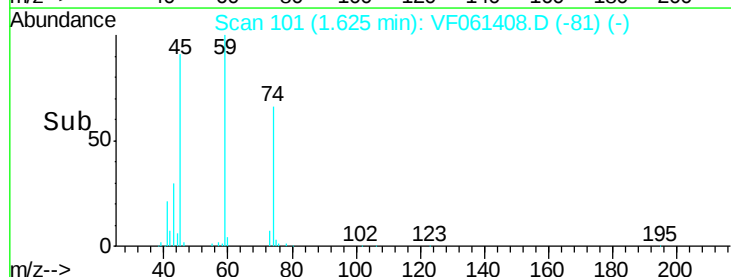
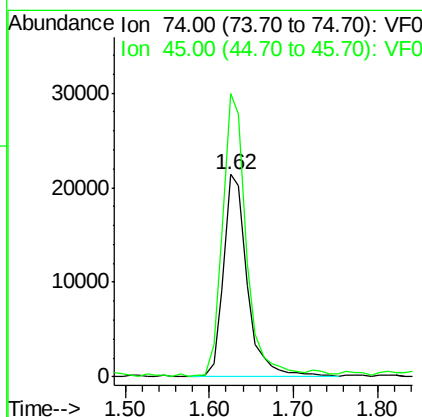
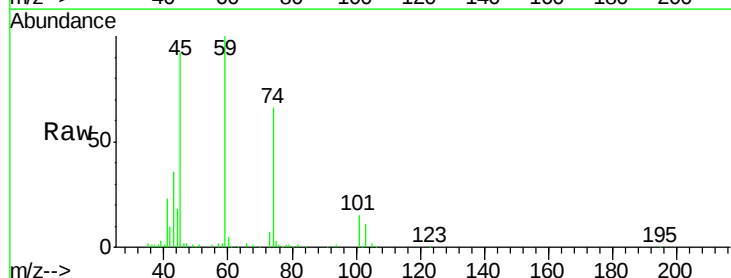
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#8

Diethyl Ether
Concen: 71.345 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	139.8	65.8	197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 69.752 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

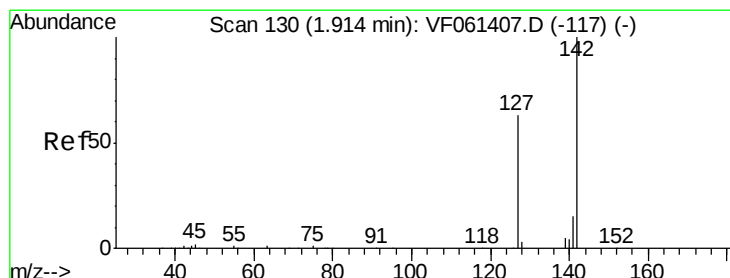
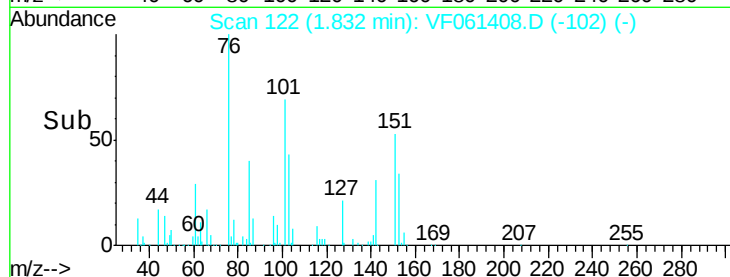
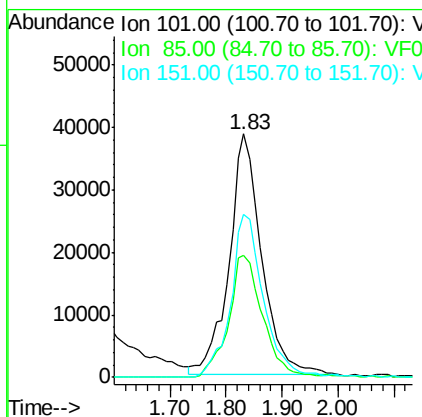
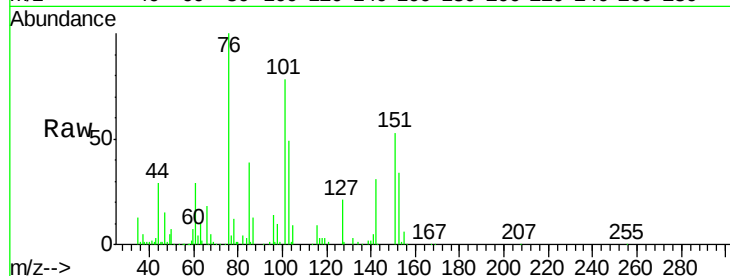
ClientSampled :

VSTDIC075

Tot Ion:	101	Resp:	154026
Ion Ratio	Lower	Upper	
101	100		
85	50.3	41.9	62.9
151	67.2	55.1	82.7

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#10

Methyl Iodide

Concen: 71.972 ug/l m

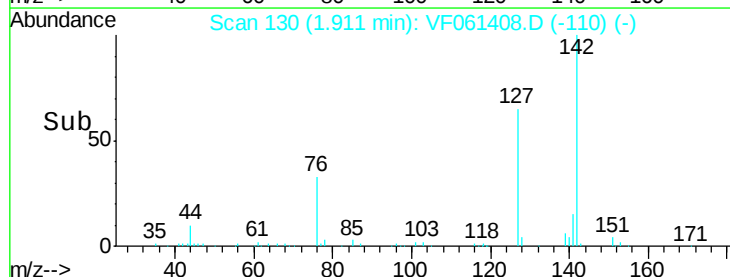
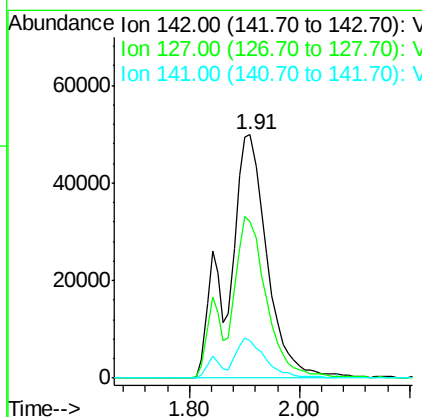
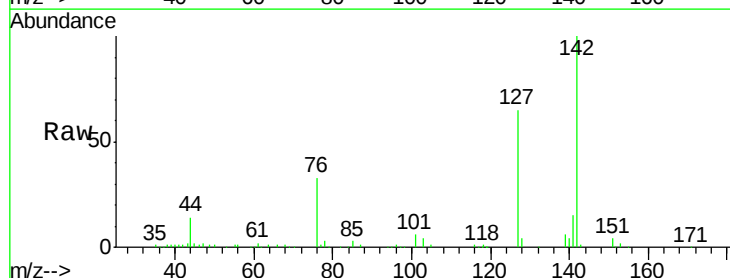
RT: 1.91 min Scan# 130

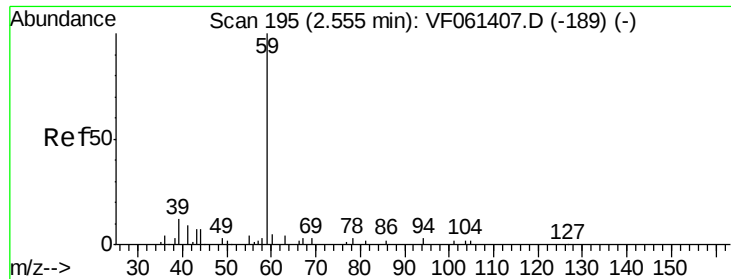
Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Tgt Ion:	142	Resp:	246249
Ion Ratio	Lower	Upper	
142	100		
127	64.5	50.7	76.1
141	15.2	11.8	17.6





#11

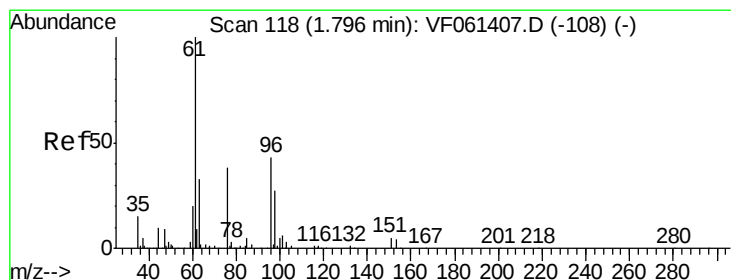
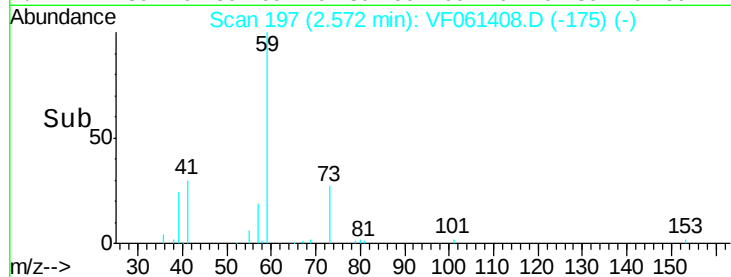
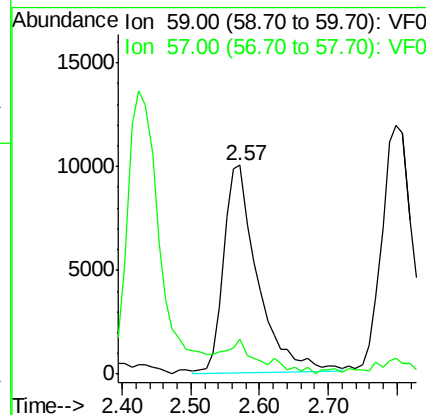
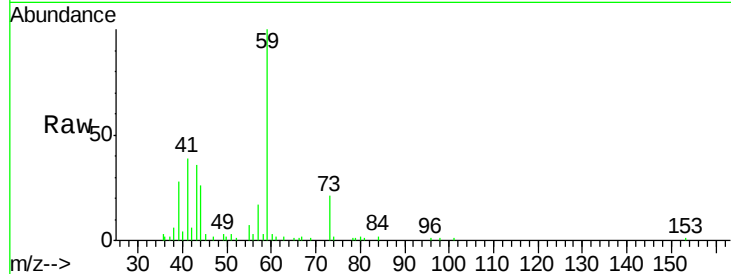
Tert butyl alcohol
Concen: 359.484 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.02 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
59	100		
57	16.6	11.9	17.9

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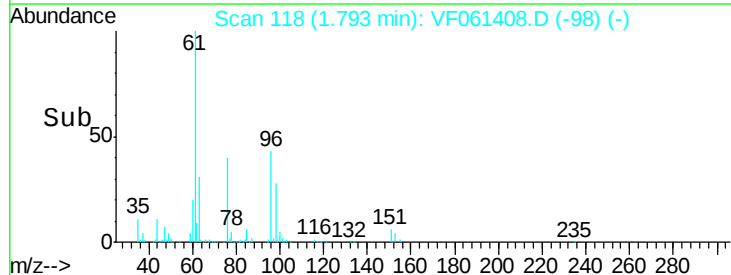
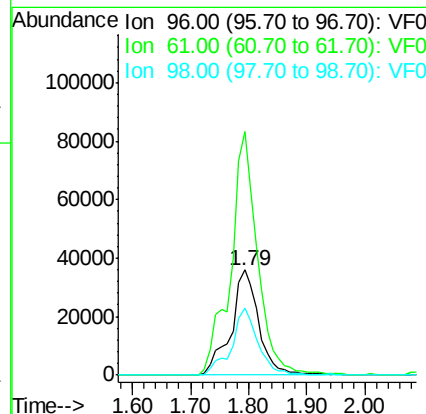
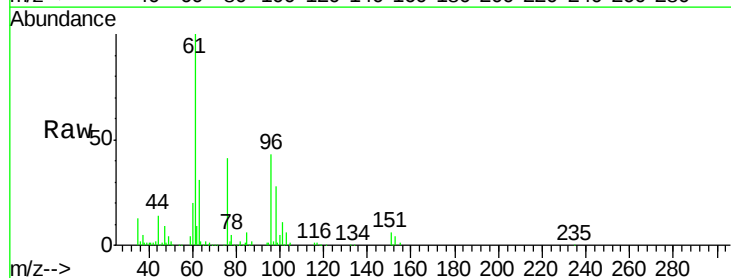
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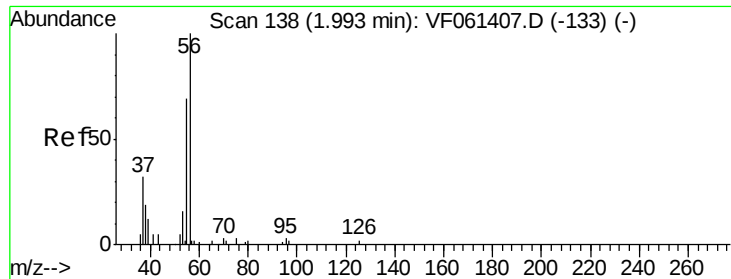


#12

1,1-Dichloroethene
Concen: 72.381 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	231.6	186.9	280.3
98	64.2	53.0	79.4





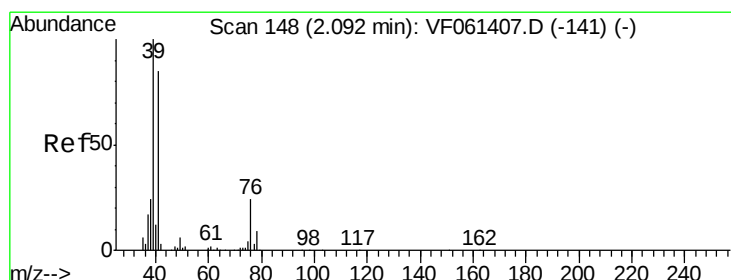
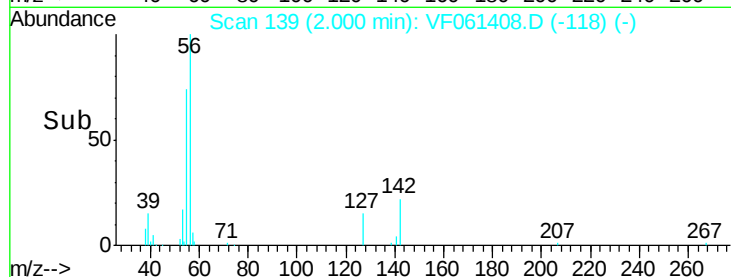
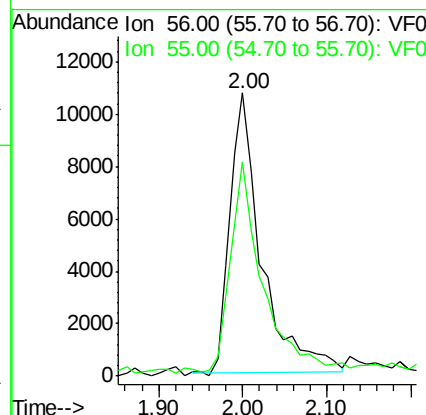
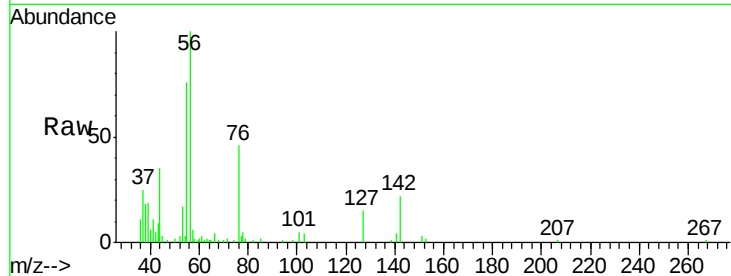
#13
Acrolein
Concen: 311.633 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 56 Resp: 27584
Ion Ratio Lower Upper
56 100
55 75.8 57.5 86.3

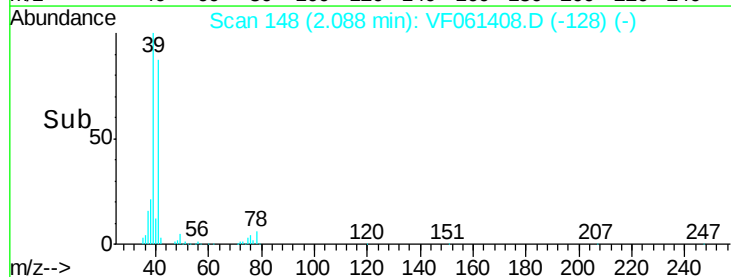
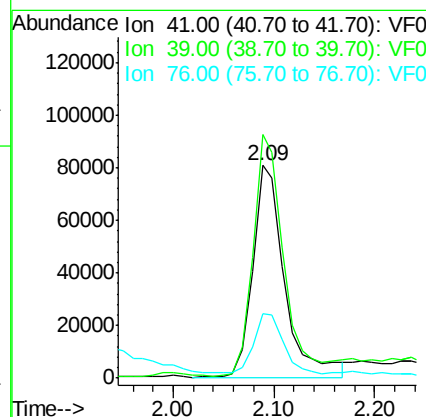
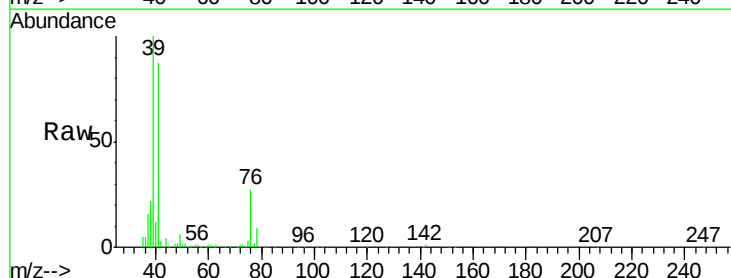
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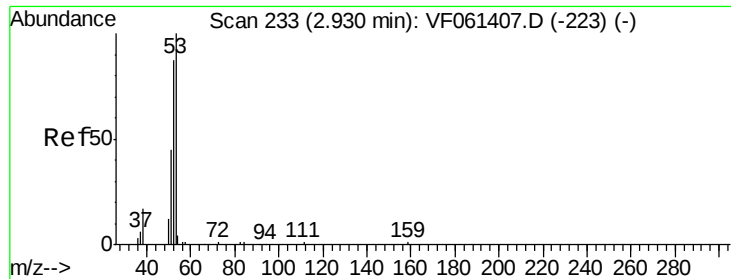
apatel
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#14
Allyl chloride
Concen: 60.317 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.00 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion: 41 Resp: 177992
Ion Ratio Lower Upper
41 100
39 114.4 94.6 141.8
76 30.4 25.9 38.9





#15

Acrylonitrile

Concen: 337.363 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

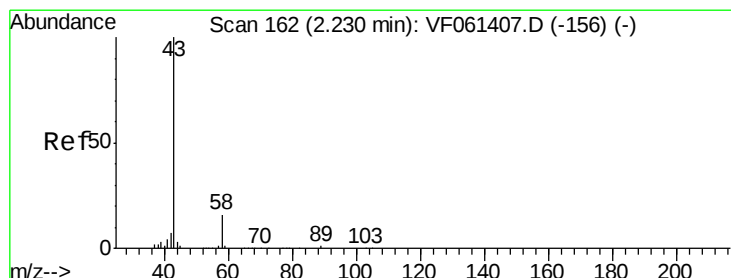
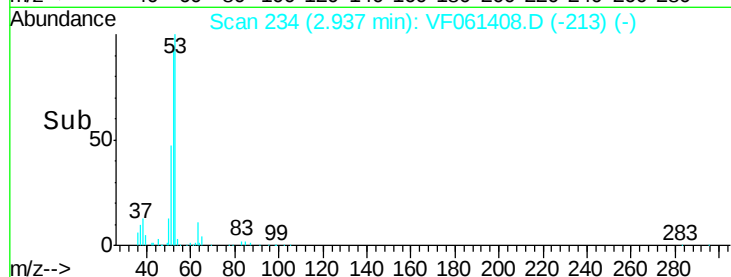
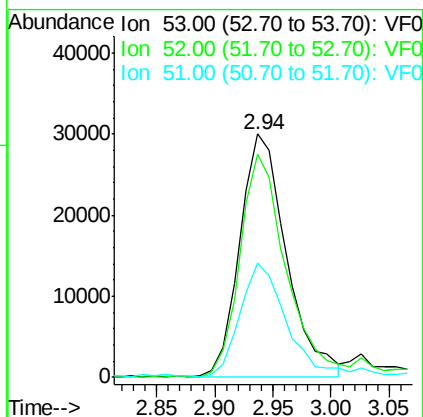
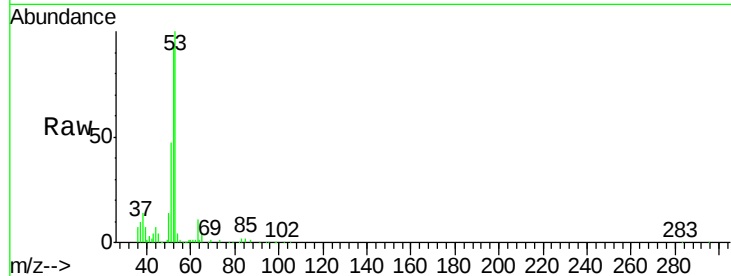
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	83685
Ion	Ratio	Lower	Upper
53	100		
52	91.8	69.6	104.4
51	47.1	36.8	55.2

Manual Integrations
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#16

Acetone

Concen: 342.871 ug/l

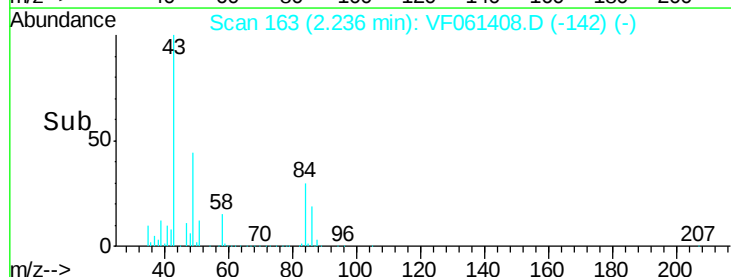
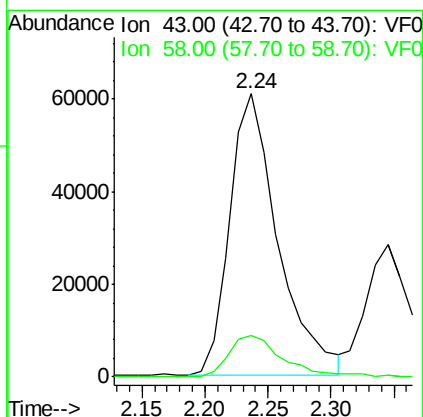
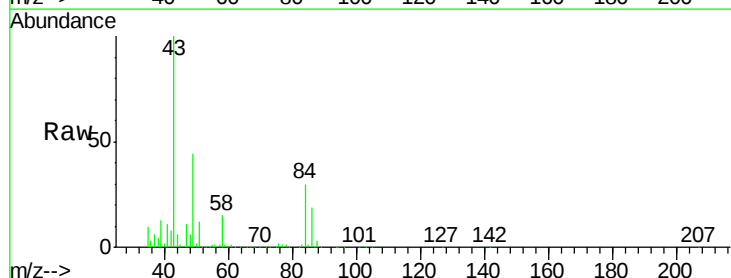
RT: 2.24 min Scan# 163

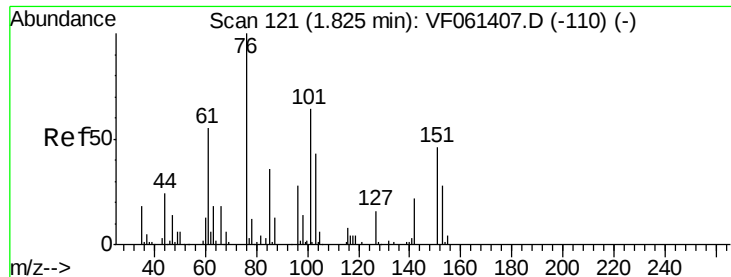
Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Tgt Ion:	43	Resp:	161984
Ion	Ratio	Lower	Upper
43	100		
58	14.8	13.3	19.9





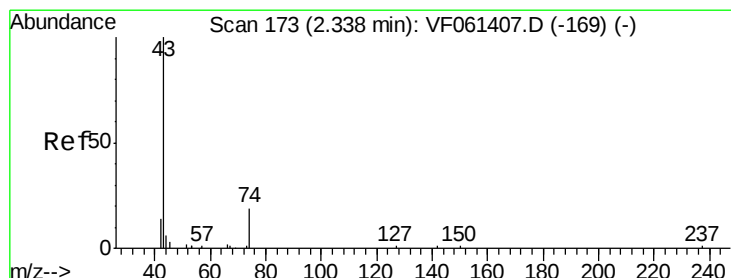
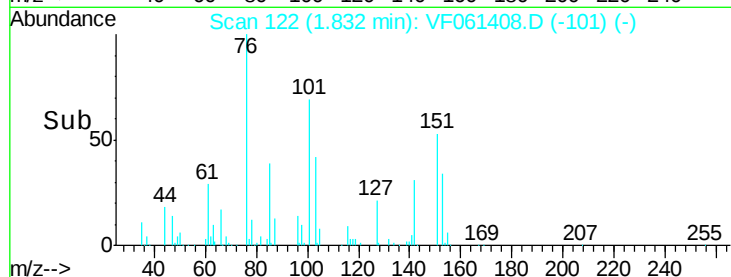
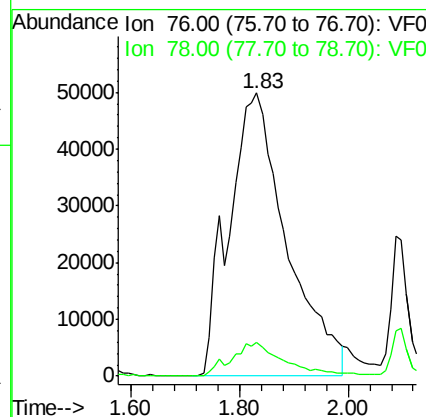
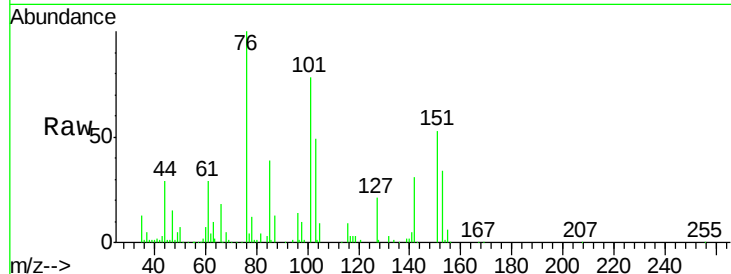
#17
Carbon Disulfide
Concen: 72.469 ug/l m
RT: 1.83 min Scan# 122
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Instrument :
MSVOA_F
ClientSampled :
VSTDIC075

Tot Ion: 76 Resp: 370846
Ion Ratio Lower Upper
76 100
78 12.0 9.6 14.4

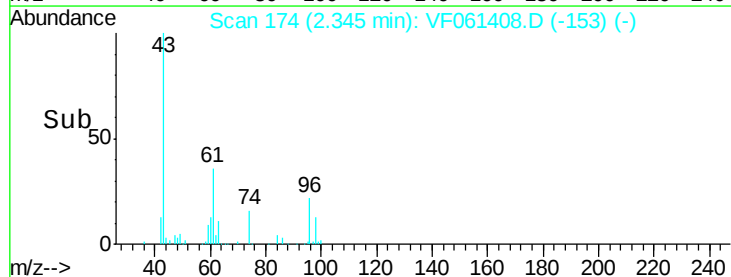
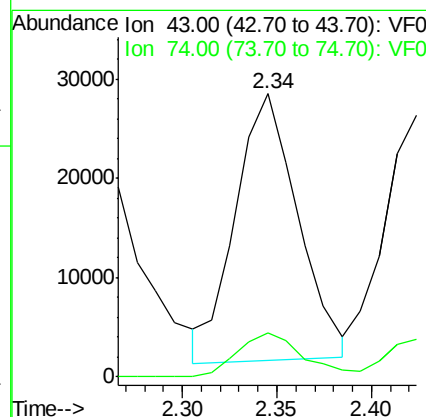
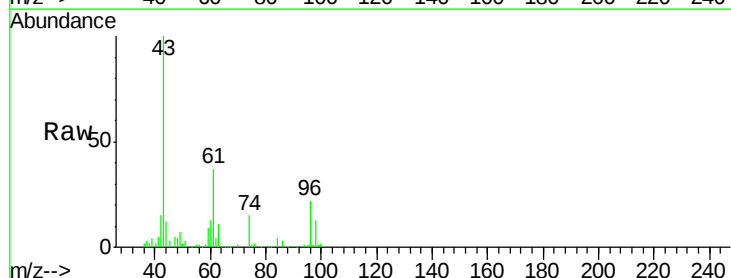
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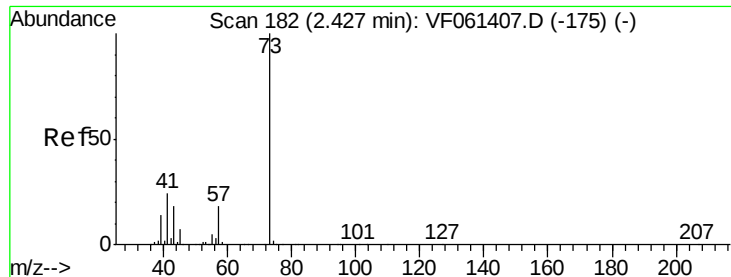
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#18
Methyl Acetate
Concen: 55.273 ug/l
RT: 2.34 min Scan# 174
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion: 43 Resp: 61612
Ion Ratio Lower Upper
43 100
74 15.5 13.4 20.0





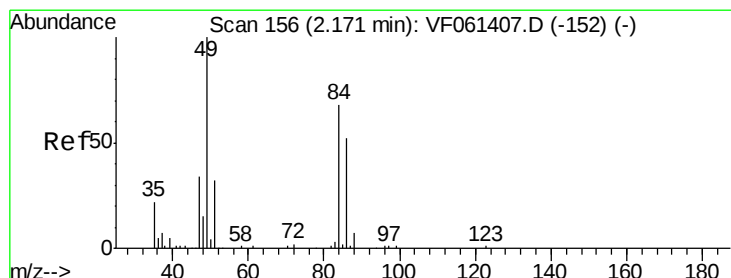
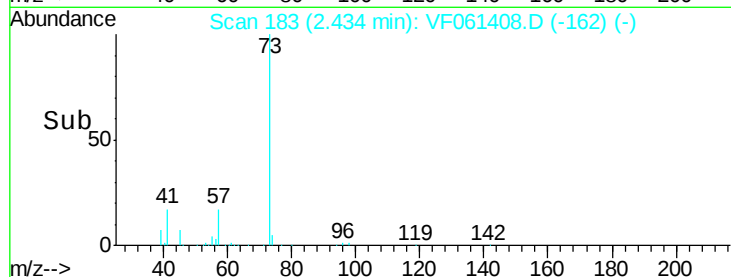
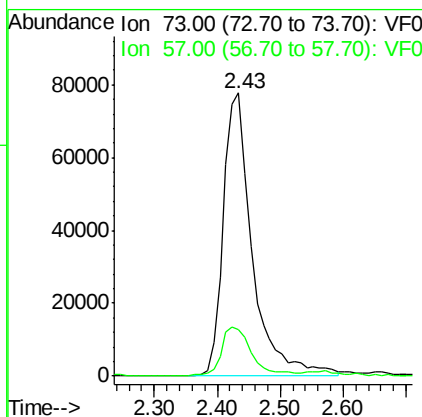
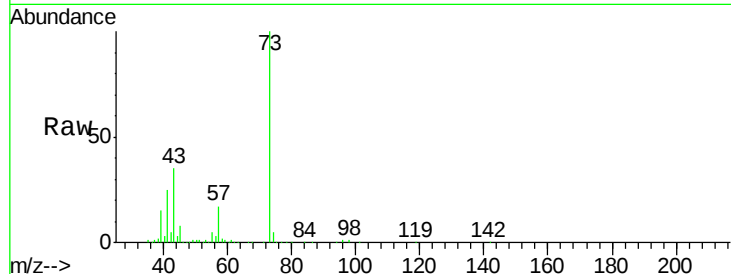
#19
Methvl tert-butvl Ether
Concen: 68.130 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.7	14.8	22.2

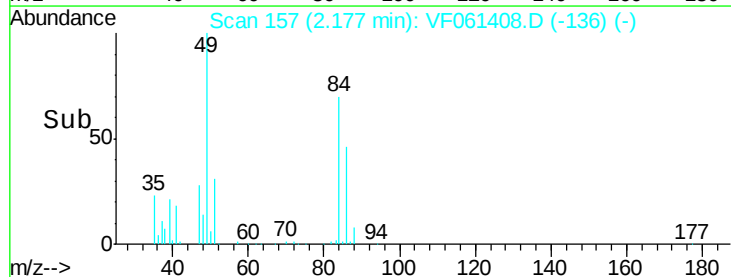
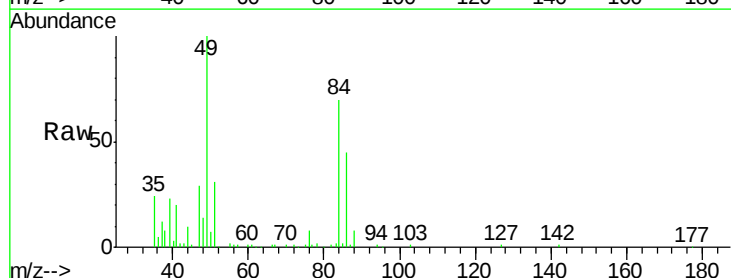
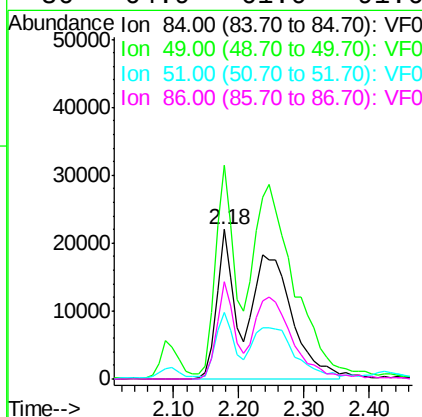
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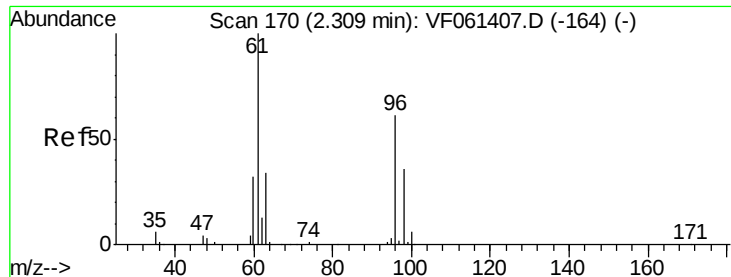
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#20
Methylene Chloride
Concen: 62.732 ug/l m
RT: 2.18 min Scan# 157
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	142.8	120.0	180.0
51	44.9	38.6	58.0
86	64.9	61.0	91.6





#21

trans-1,2-Dichloroethene

Concen: 67.589 ug/l

RT: 2.31 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

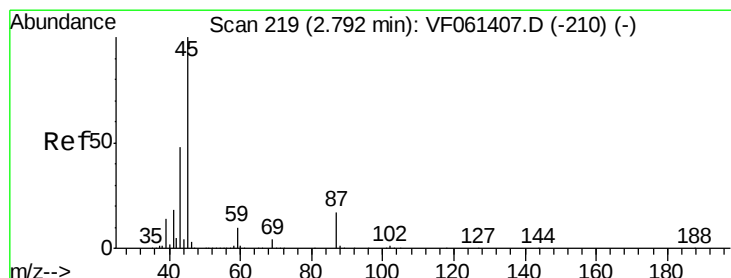
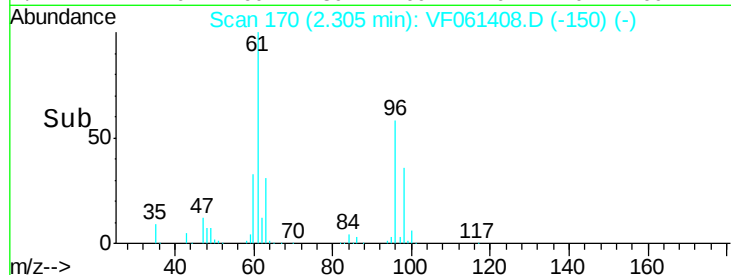
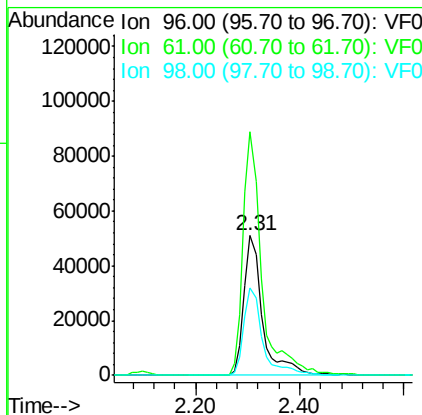
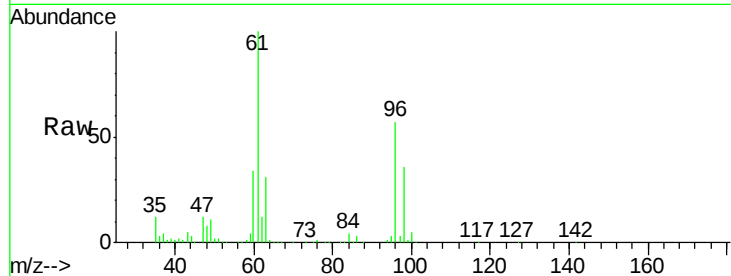
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	123182
Ion	Ratio	Lower	Upper
96	100		
61	174.2	131.8	197.8
98	62.5	47.4	71.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 69.647 ug/l

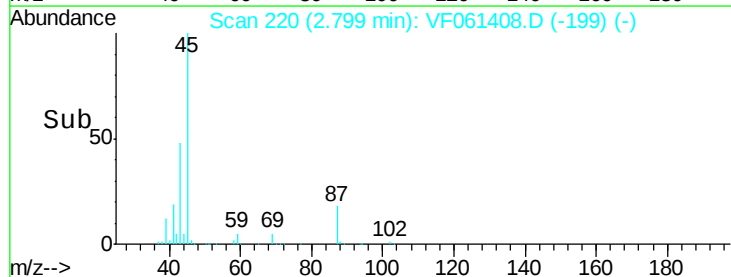
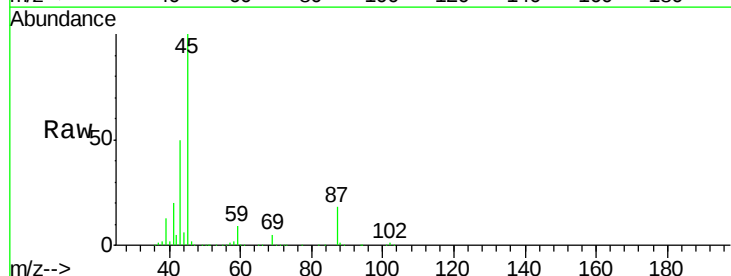
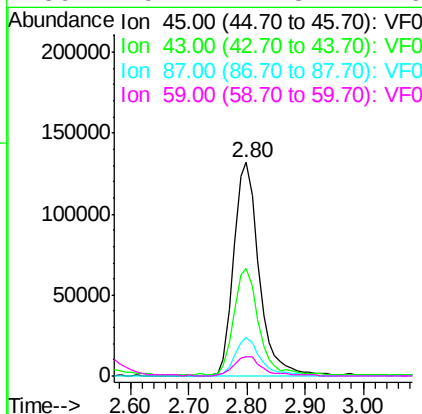
RT: 2.80 min Scan# 220

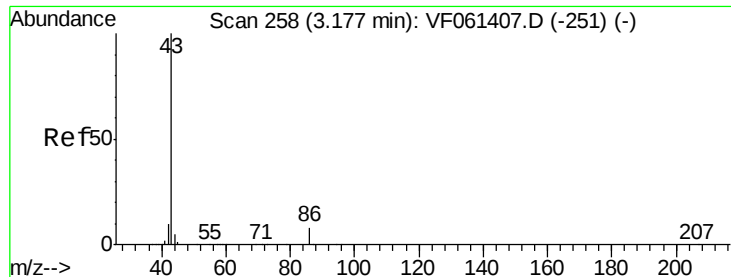
Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Tgt Ion:	45	Resp:	399724
Ion	Ratio	Lower	Upper
45	100		
43	50.3	39.0	58.6
87	17.8	13.9	20.9
59	9.1	7.8	11.6





#23

Vinyl Acetate

Concen: 441.302 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 963628

Ion Ratio Lower Upper

43 100

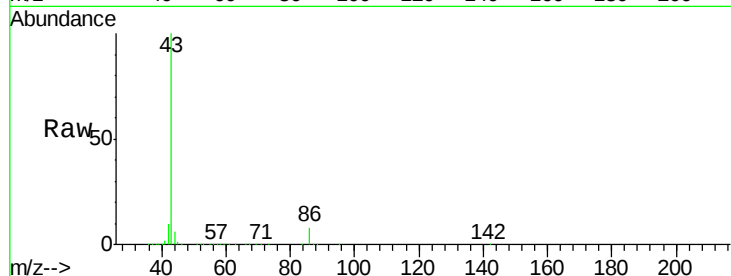
86 8.3 6.2 9.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.18

400000

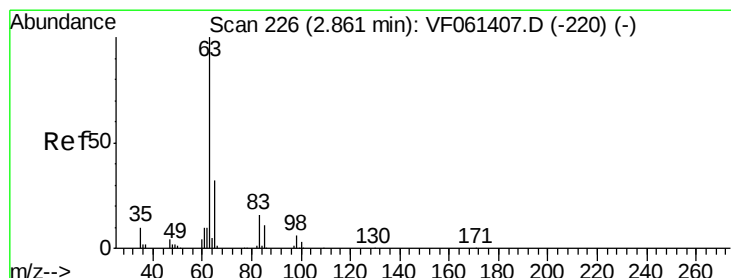
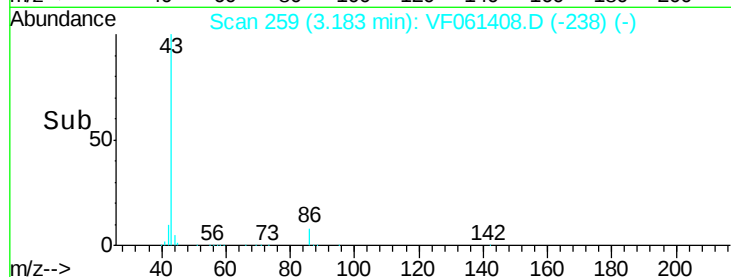
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 69.061 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

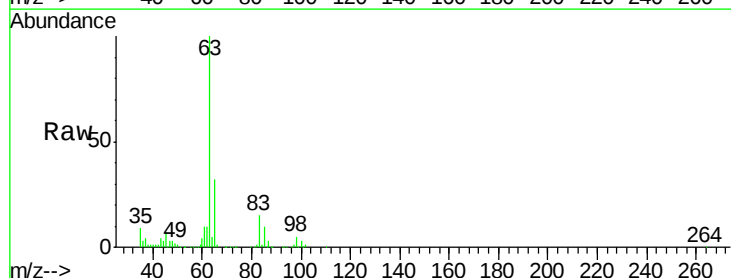
Tgt Ion: 63 Resp: 252402

Ion Ratio Lower Upper

63 100

98 4.6 2.9 8.8

100 3.2 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

2.87

120000

100000

80000

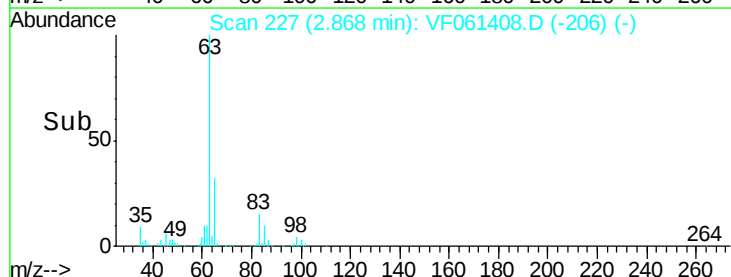
60000

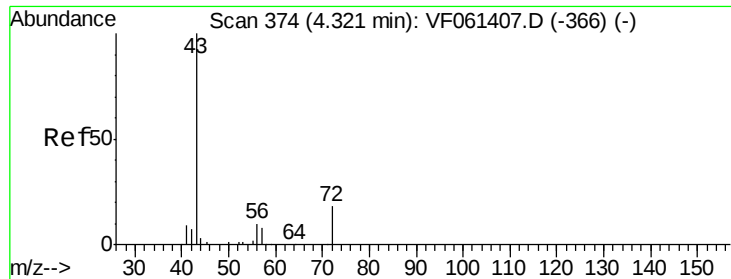
40000

20000

0

Time-->





#25

2-Butanone

Concen: 346.005 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 260363

Ion Ratio Lower Upper

43 100

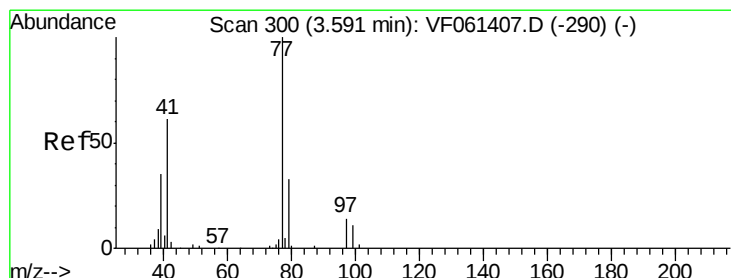
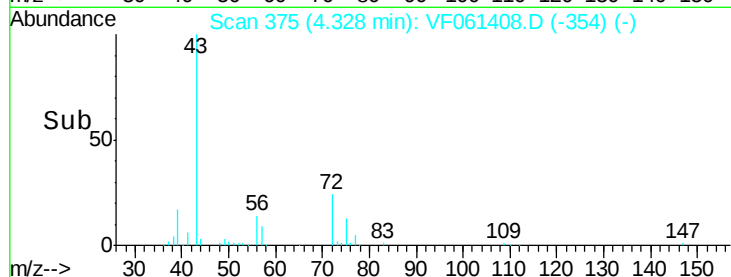
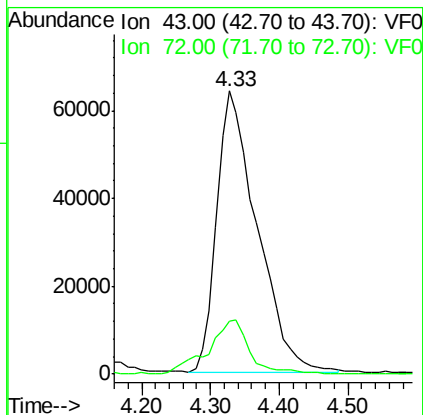
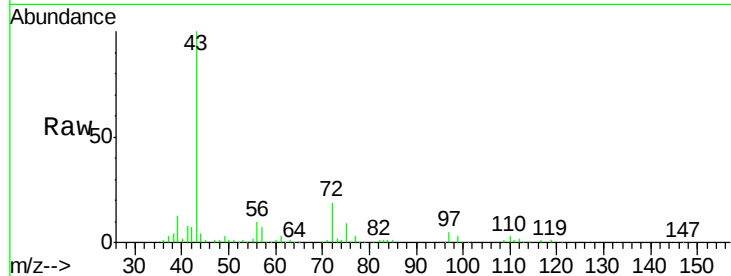
72 18.8 15.8 23.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 60.172 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061408.D

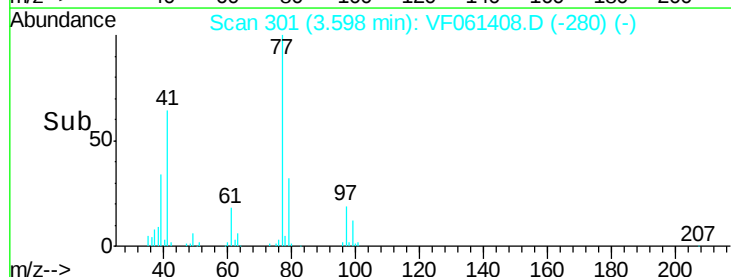
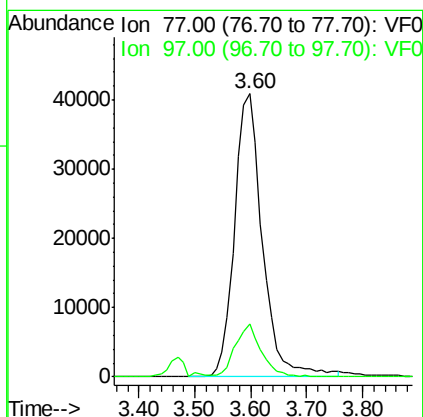
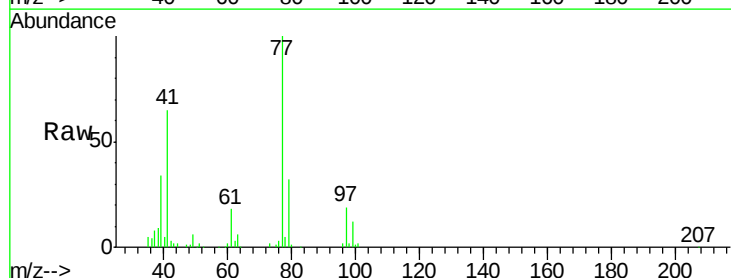
Acq: 15 Jan 2019 15:56

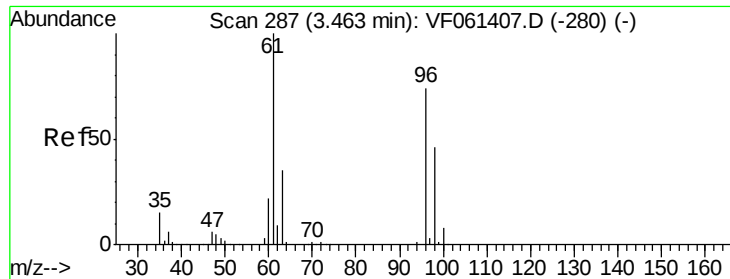
Tgt Ion: 77 Resp: 141672

Ion Ratio Lower Upper

77 100

97 18.6 8.5 25.5





#27

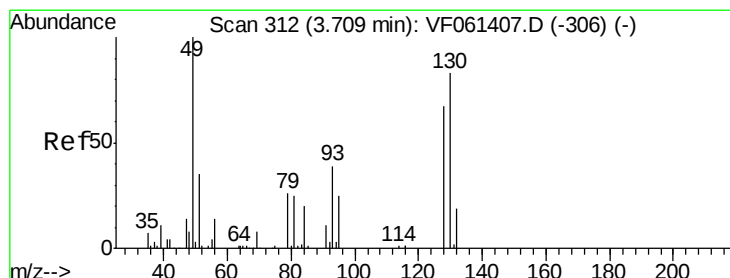
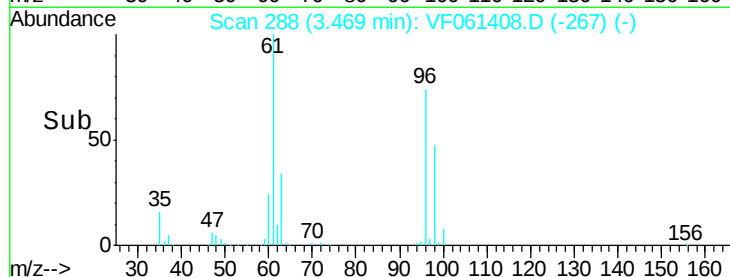
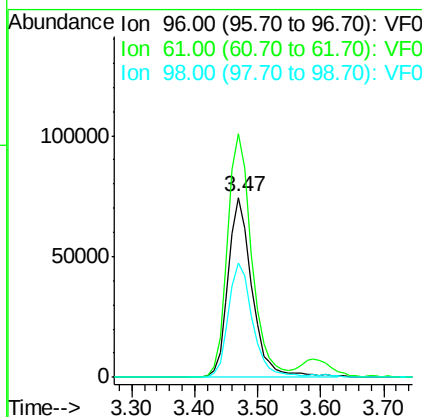
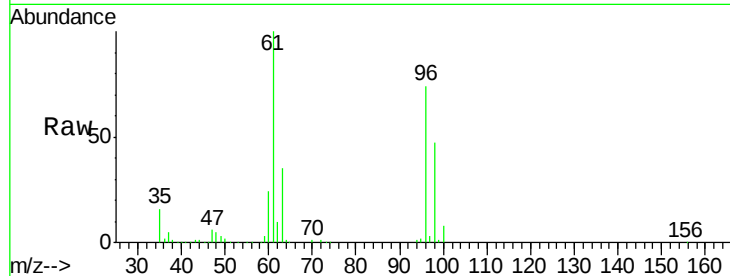
cis-1,2-Dichloroethene
Concen: 74.751 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	196812		
61	135.1	0.0	270.2	
98	63.6	0.0	124.0	

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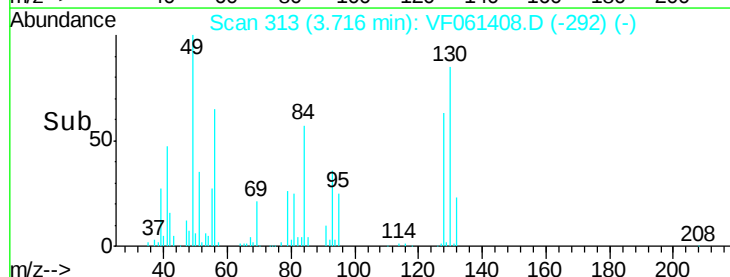
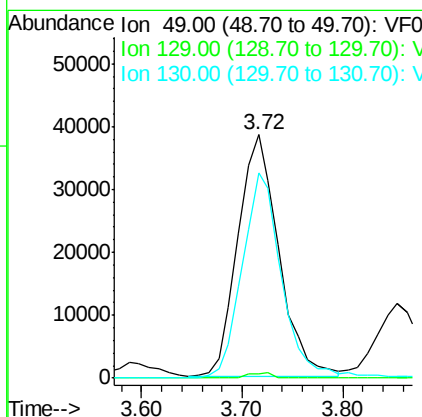
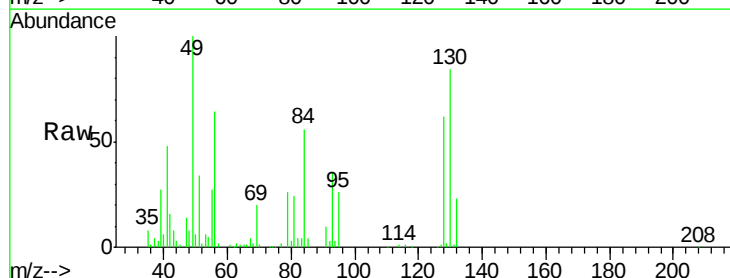
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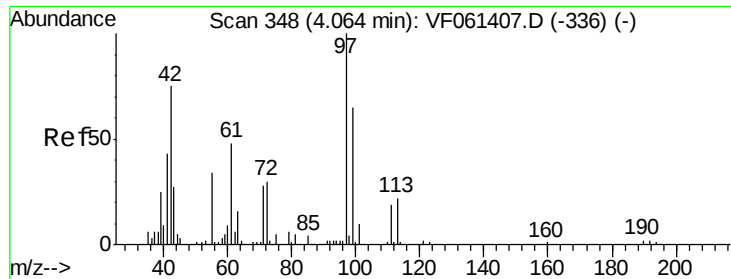


#28

Bromochloromethane
Concen: 64.175 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	109183		
129	2.0	0.0	0.0#	
130	84.1	65.4	98.2	





#29

Tetrahydrofuran

Concen: 333.760 ug/l

RT: 4.06 min Scan# 348

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

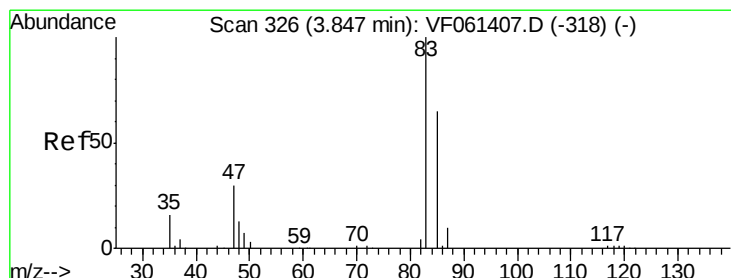
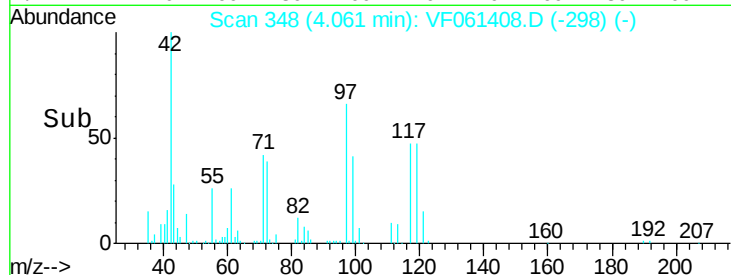
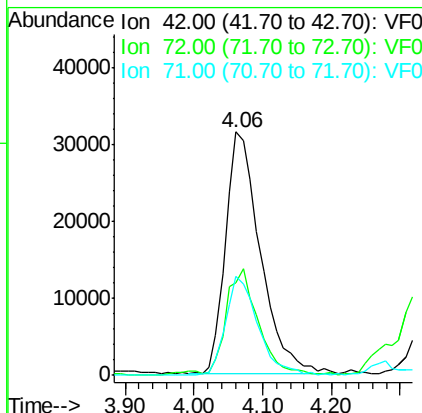
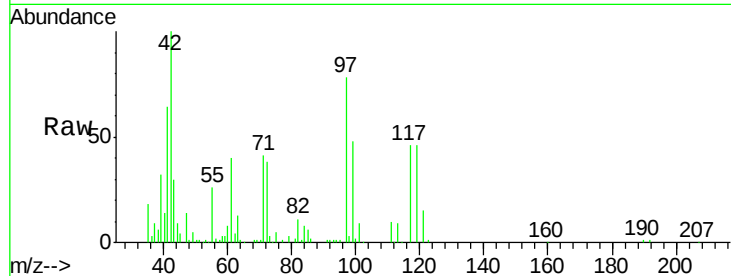
ClientSampleId :

VSTDIC075

Tot Ion:	42	Resp:	110497
Ion	Ratio	Lower	Upper
42	100		
72	40.6	28.9	43.3
71	38.3	29.6	44.4

Manual Integrations
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#30

Chloroform

Concen: 70.467 ug/l

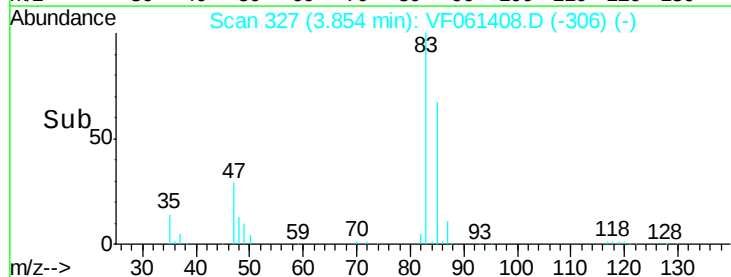
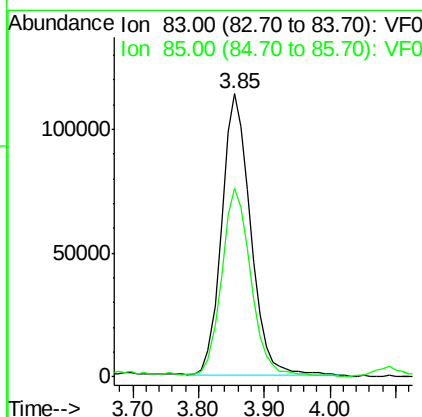
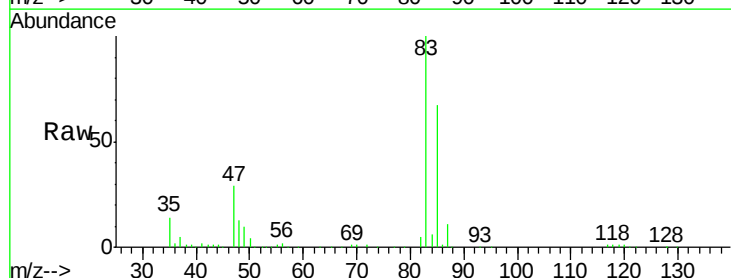
RT: 3.85 min Scan# 327

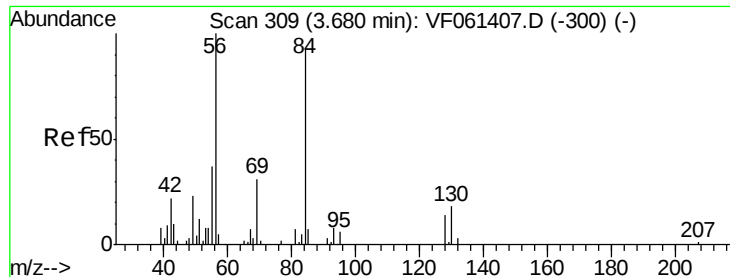
Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Tgt Ion:	83	Resp:	347561
Ion	Ratio	Lower	Upper
83	100		
85	66.7	52.7	79.1





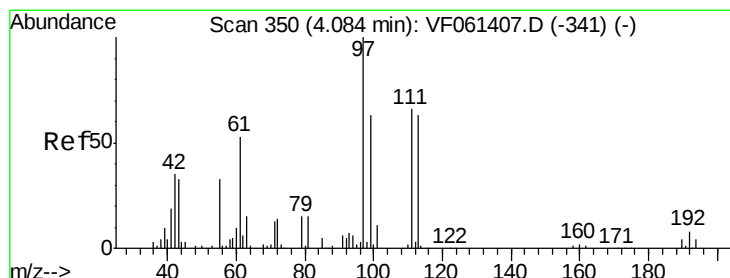
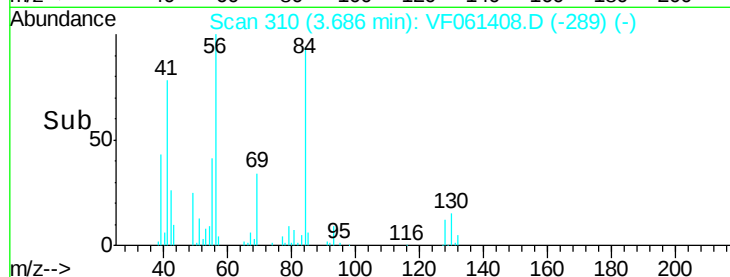
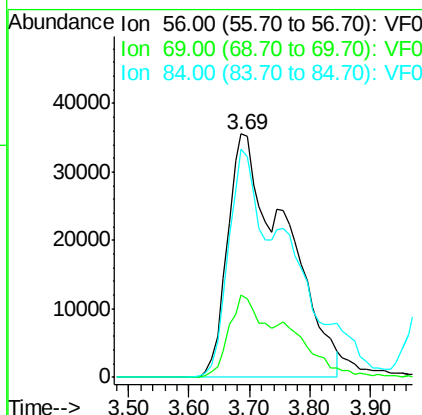
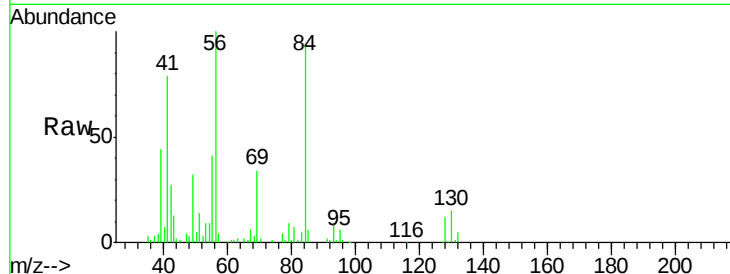
#31
Cyclohexane
Concen: 63.656 ug/l m
RT: 3.69 min Scan# 310
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	24.6	36.8
84	93.5	74.2	111.2

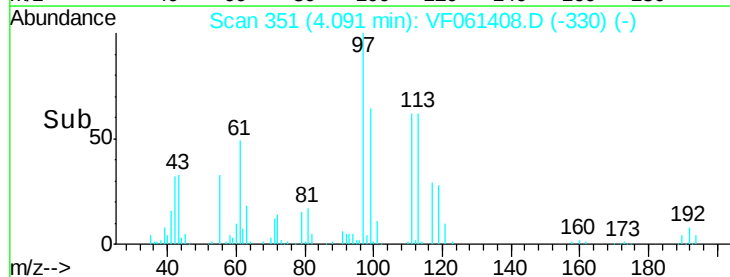
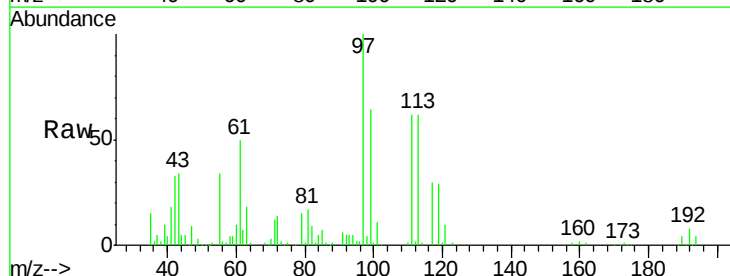
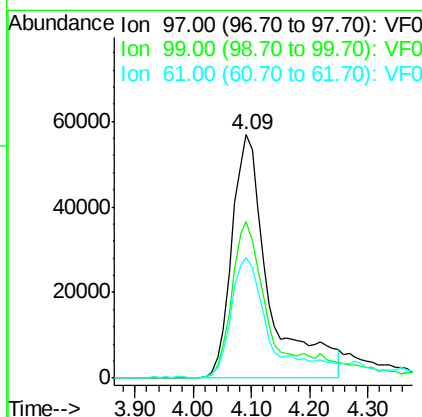
Manual Integrations
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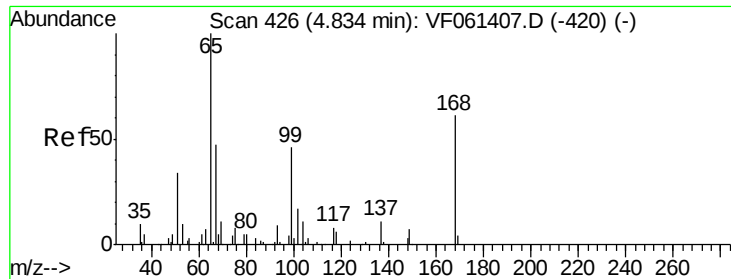
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#32
1,1,1-Trichloroethane
Concen: 67.885 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	50.1	75.1
61	49.6	43.1	64.7





#33

1,2-Dichloroethane-d4

Concen: 74.336 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 65 Resp: 162634

Ion Ratio Lower Upper

65 100

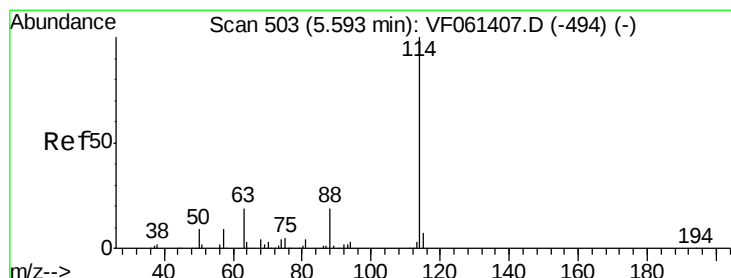
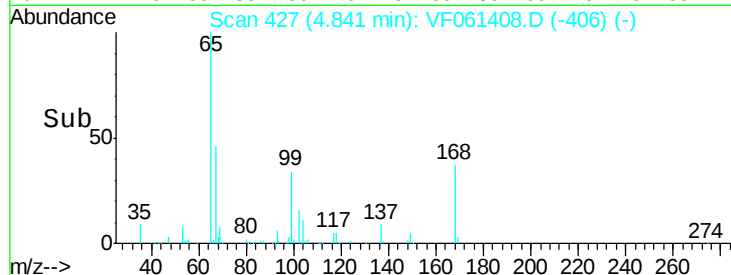
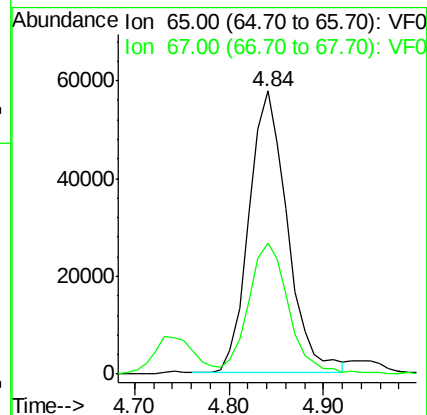
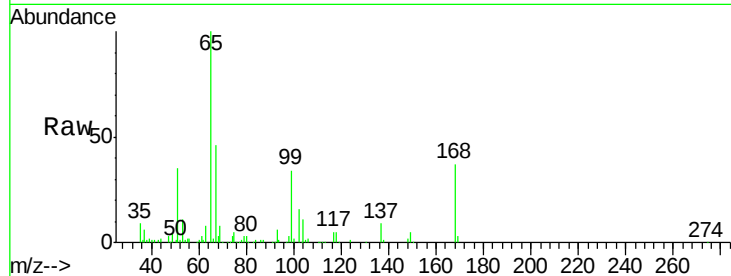
67 46.1 0.0 99.8

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: VF061408.D

Acq: 15 Jan 2019 15:56

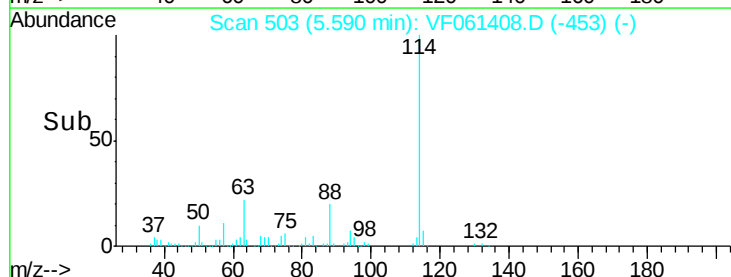
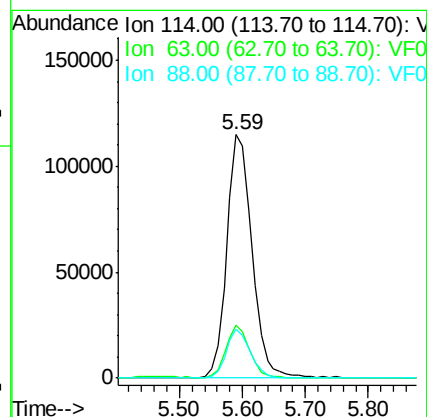
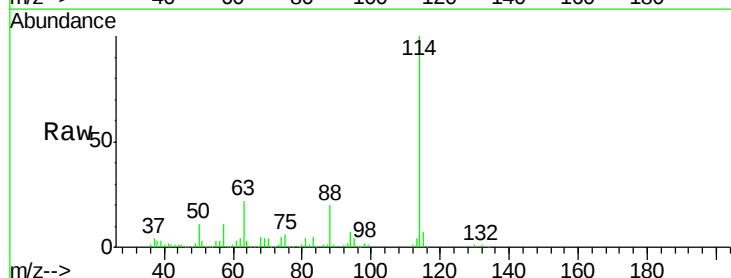
Tgt Ion: 114 Resp: 319582

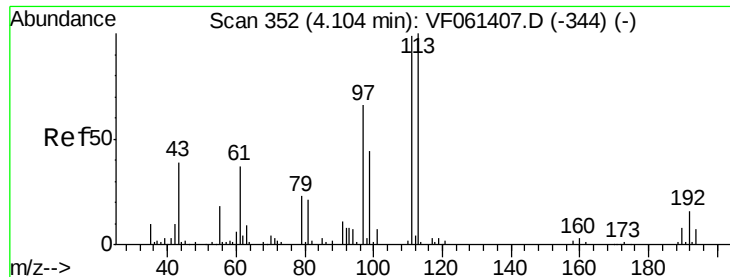
Ion Ratio Lower Upper

114 100

63 21.7 0.0 39.0

88 19.9 0.0 37.4





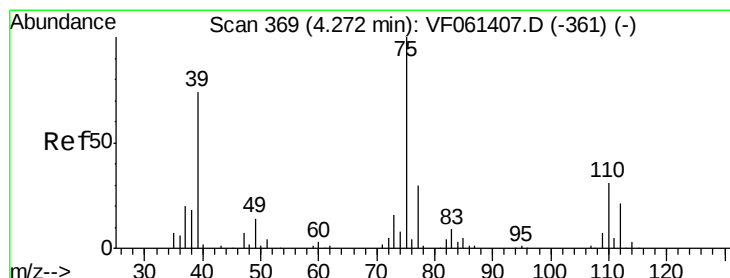
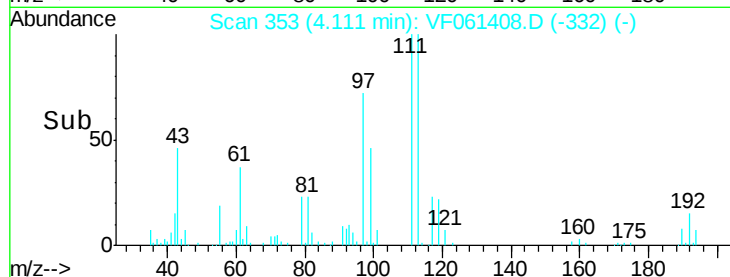
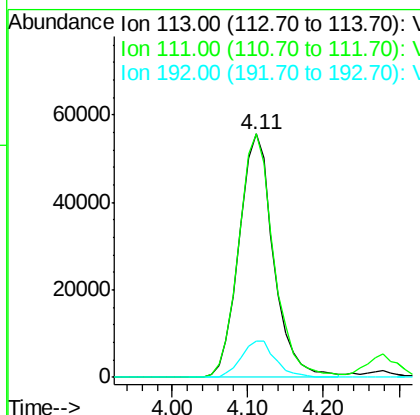
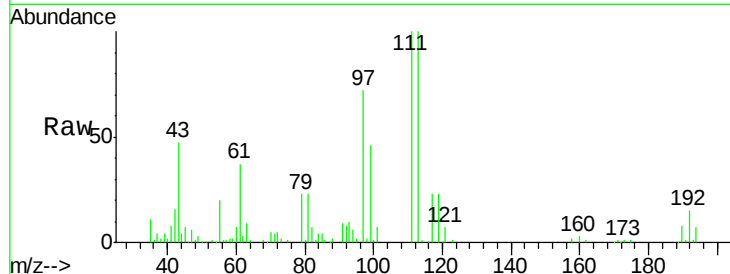
#35
 Dibromofluoromethane
 Concen: 68.249 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. 0.01 min
 Lab File: VF061408.D
 Acq: 15 Jan 2019 15:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
113	100	176312		
111	100.0	79.4	119.0	
192	14.9	12.4	18.6	

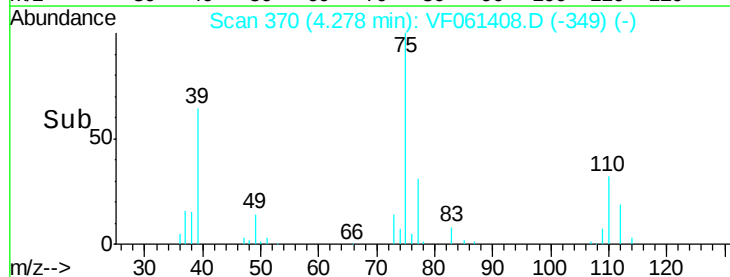
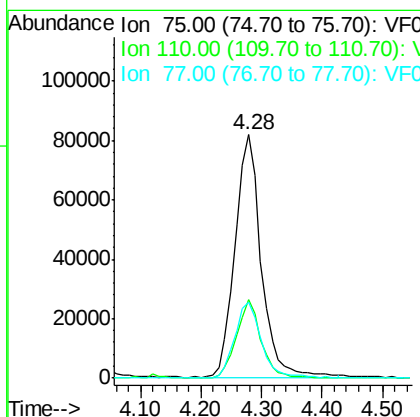
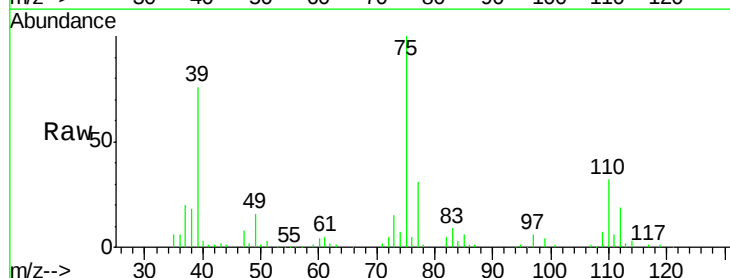
Manual Integrations
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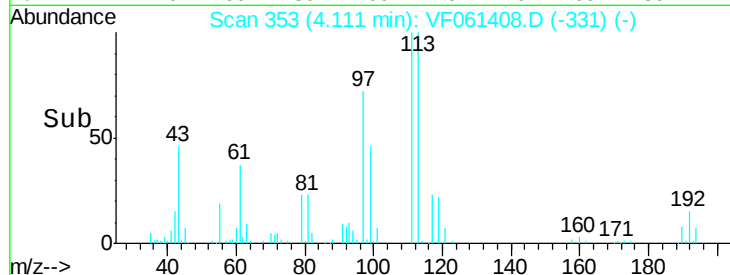
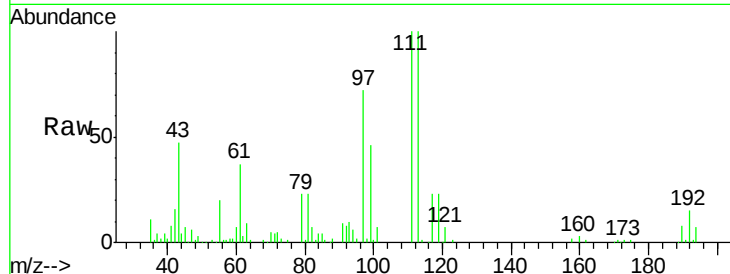
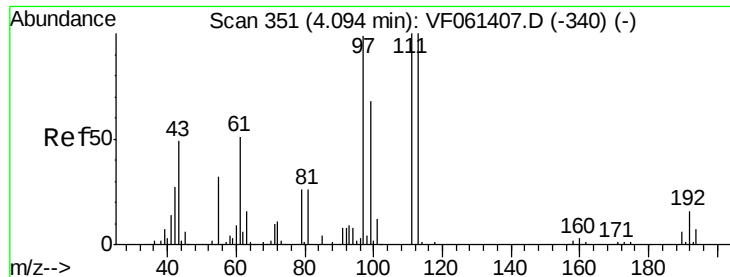
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#36
 1,1-Dichloropropene
 Concen: 64.584 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VF061408.D
 Acq: 15 Jan 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	244759		
110	32.0	15.8	47.3	
77	31.1	24.0	36.0	





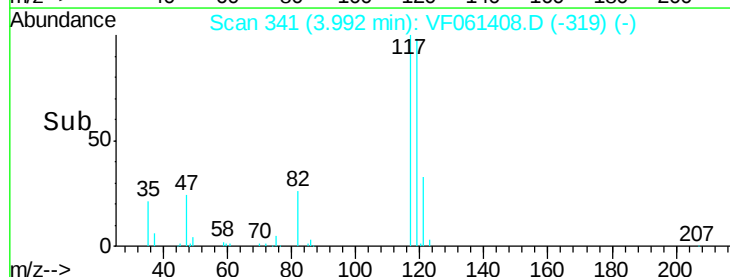
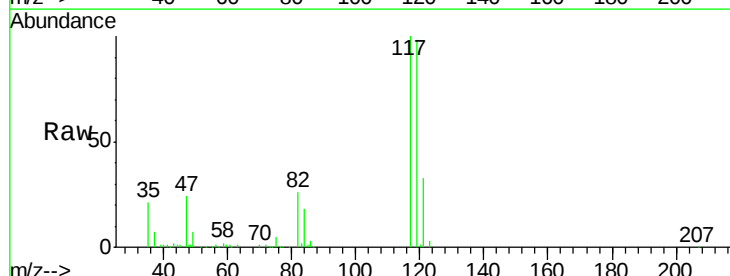
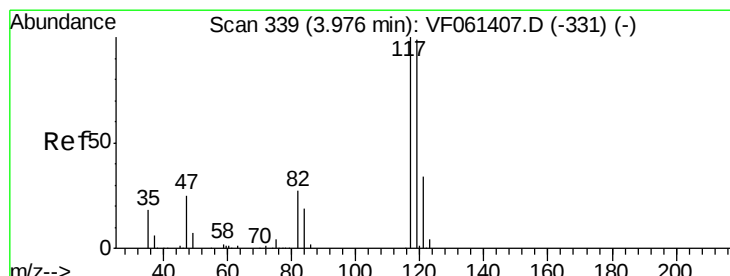
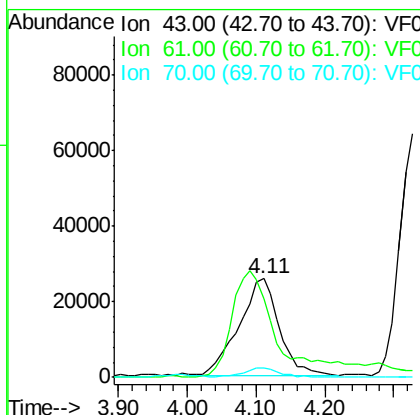
#37
Ethyl Acetate
Concen: 66.297 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.02 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tot Ion	43	61	70	Ratio	100	79.2	10.0	Resp	102017	Lower	Upper
43	100										
61		79.2				81.7			122.5#		
70			10.0			6.2			9.2#		

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

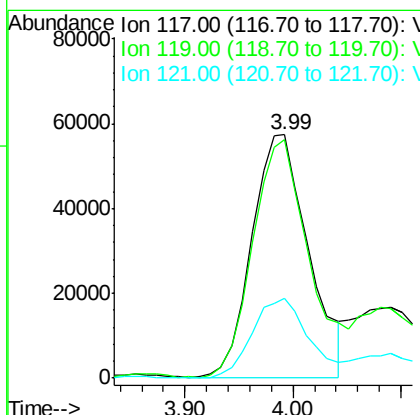
Manual Integrations
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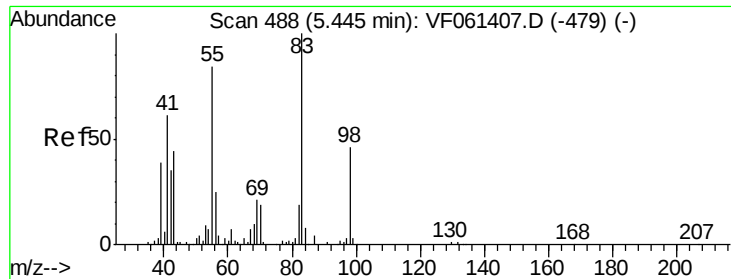
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#38
Carbon Tetrachloride
Concen: 51.217 ug/l
RT: 3.99 min Scan# 341
Delta R.T. 0.02 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion	117	119	121	Ratio	100	98.1	32.6	Resp	210286	Lower	Upper
117	100										
119		98.1				79.0			118.6		
121			32.6			27.0			40.6		





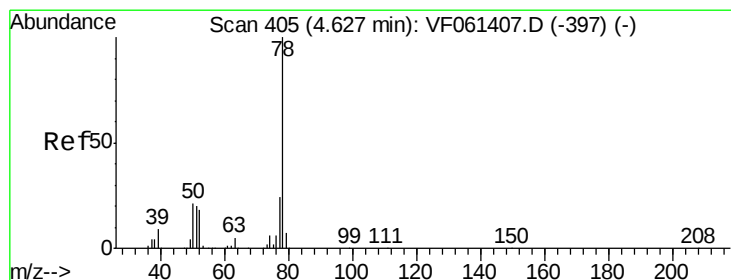
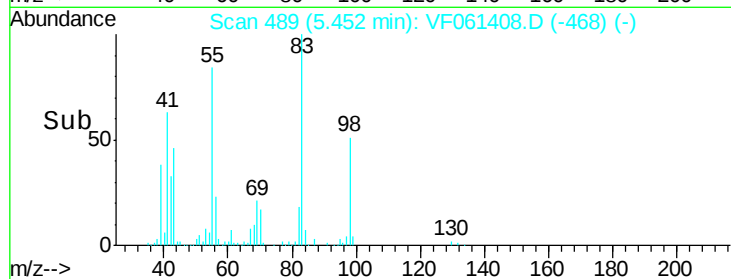
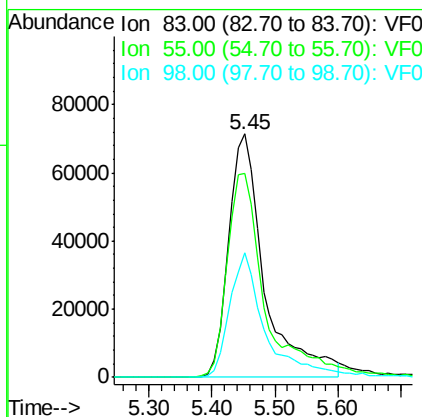
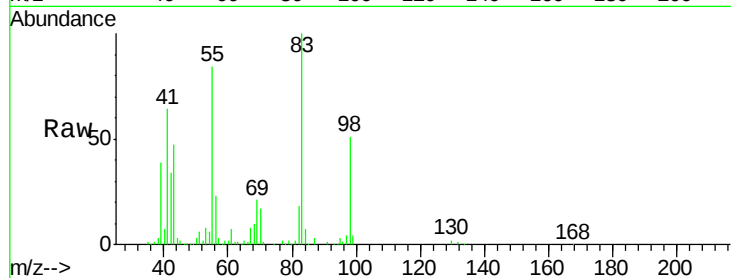
#39
Methvlcvclohexane
Concen: 67.574 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.7	67.4	101.2
98	51.4	36.7	55.1

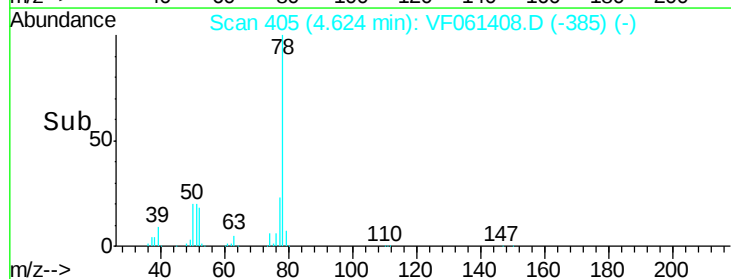
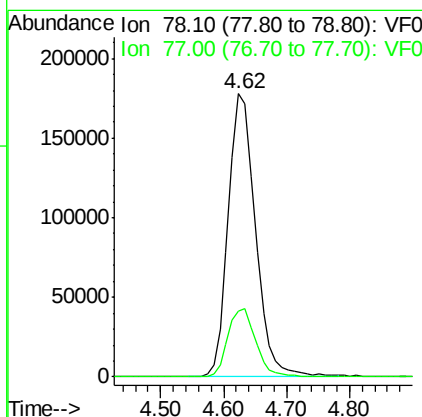
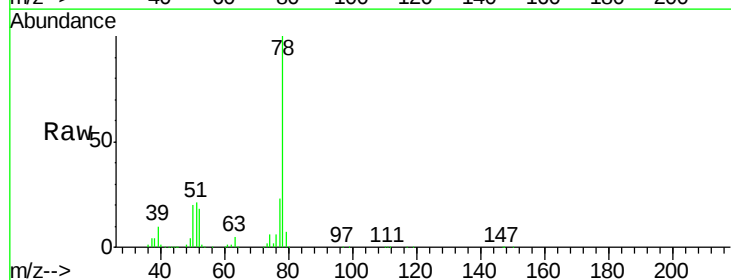
Manual Integrations
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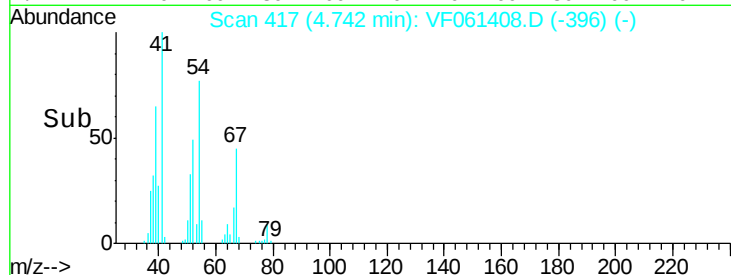
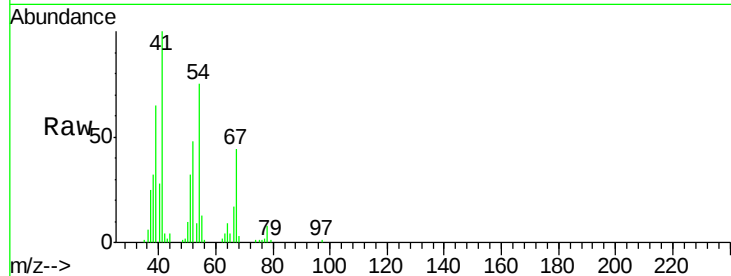
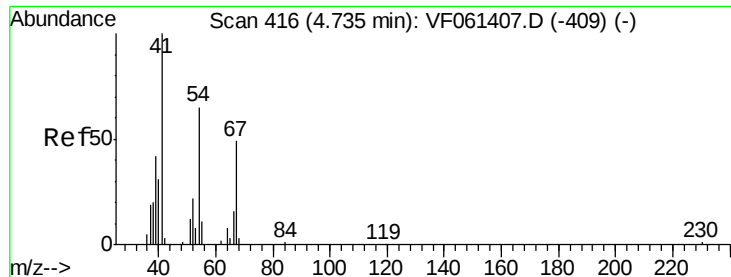
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#40
Benzene
Concen: 62.194 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6





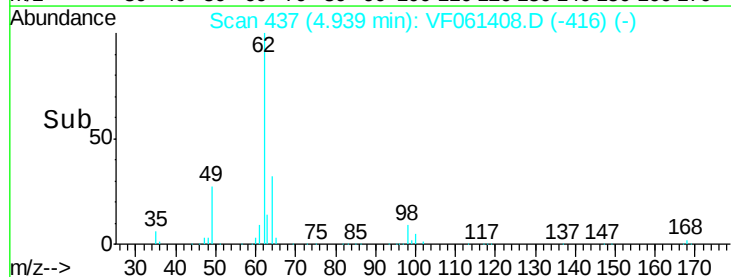
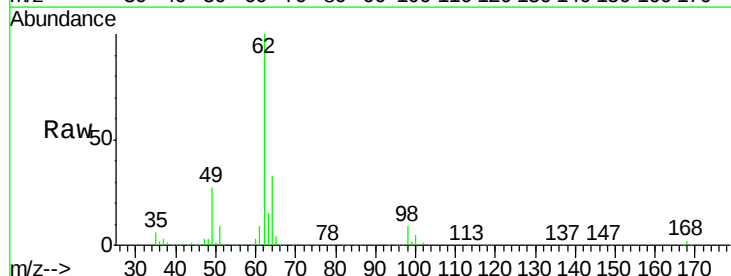
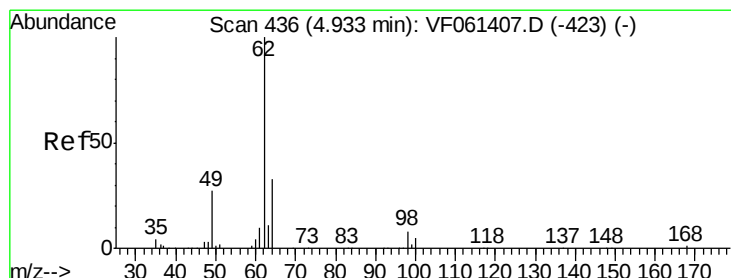
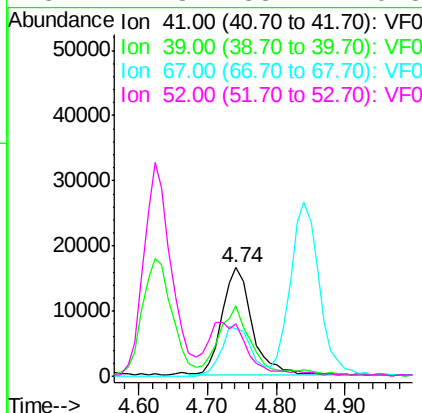
#41
Methacrylonitrile
Concen: 60.504 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tot Ion	41	Resp:	49039
Ion Ratio	Lower	Upper	
41	100		
39	65.2	43.1	64.7#
67	43.8	38.8	58.2
52	47.8	33.2	49.8

Instrument :
MSVOA_F
ClientSampled :
VSTDIC075

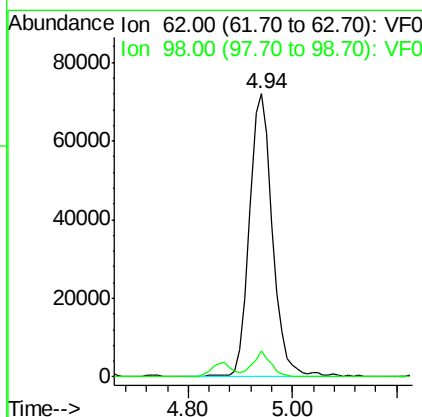
Manual Integrations
APPROVED

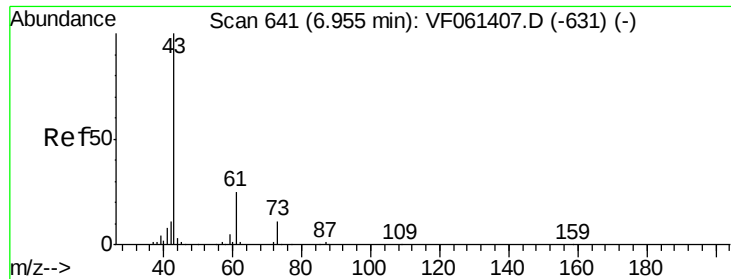
apatel
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#42
1,2-Dichloroethane
Concen: 72.026 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion	62	Resp:	214549
Ion Ratio	Lower	Upper	
62	100		
98	9.1	0.0	17.0





#43

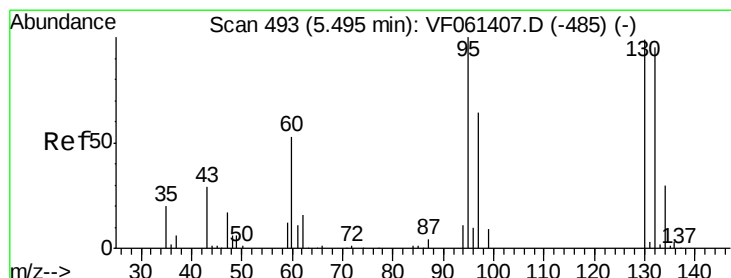
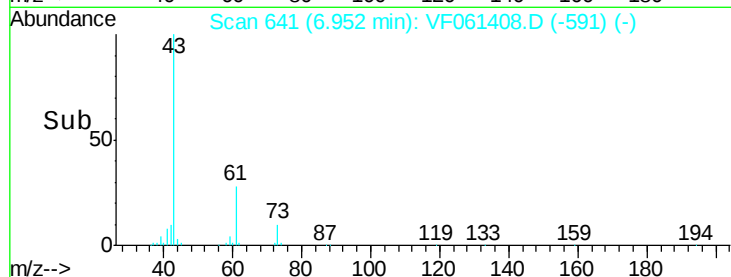
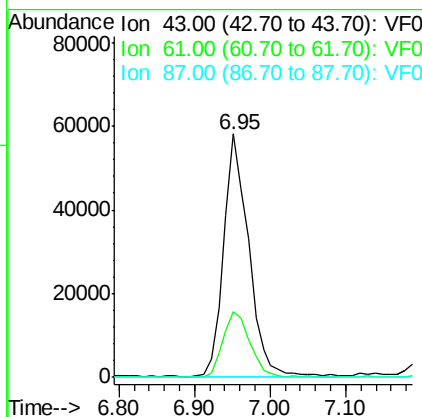
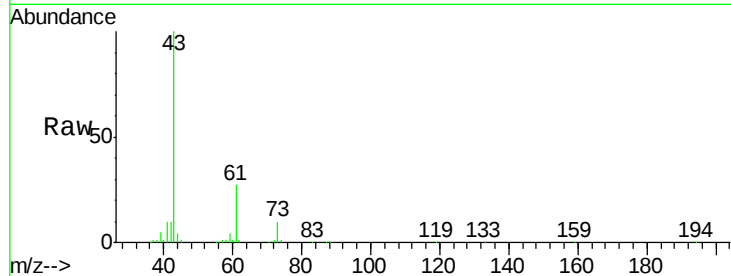
Isopropyl Acetate
 Concen: 71.939 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: VF061408.D
 Acq: 15 Jan 2019 15:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.9	20.3	30.5
87	0.4	0.5	0.7#

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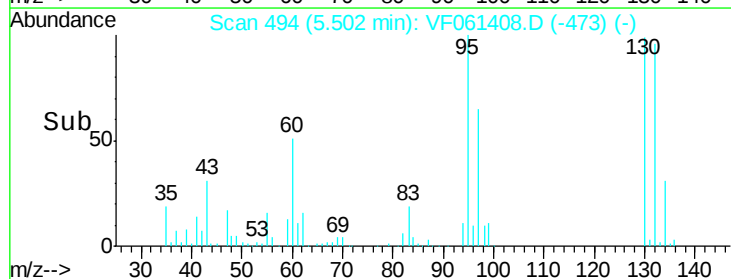
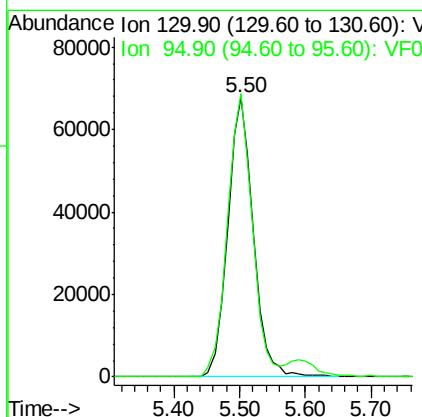
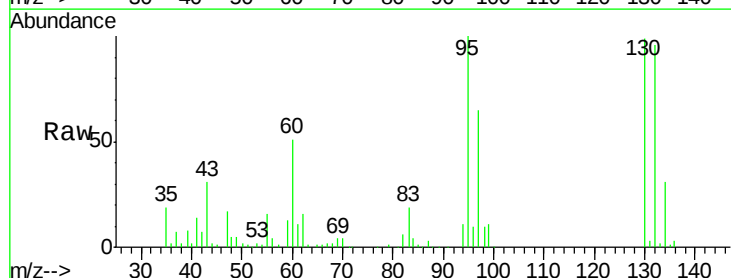
apatel
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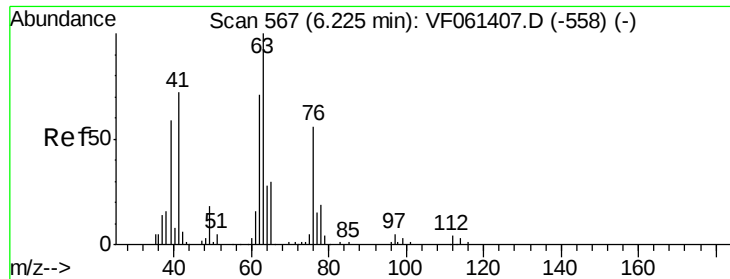


#44

Trichloroethene
 Concen: 69.500 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VF061408.D
 Acq: 15 Jan 2019 15:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	202.8





#45

1,2-Dichloropropane

Concen: 68.665 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 63 Resp: 151272

Ion Ratio Lower Upper

63 100

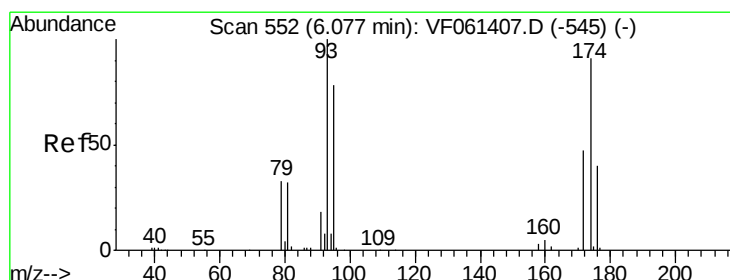
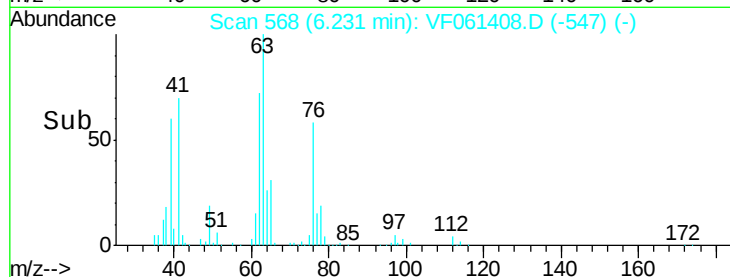
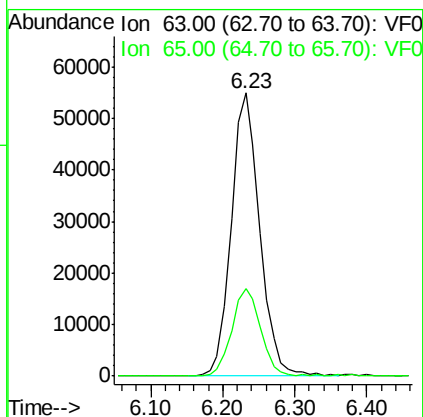
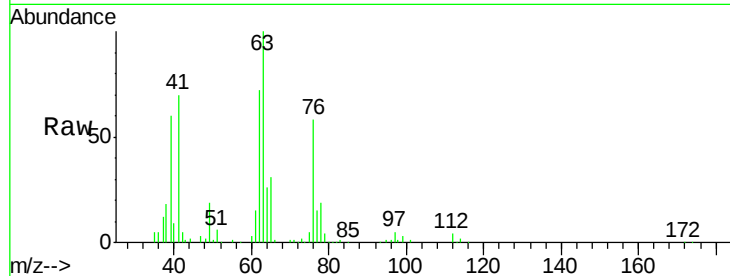
65 30.8 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 70.738 ug/l

RT: 6.08 min Scan# 553

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

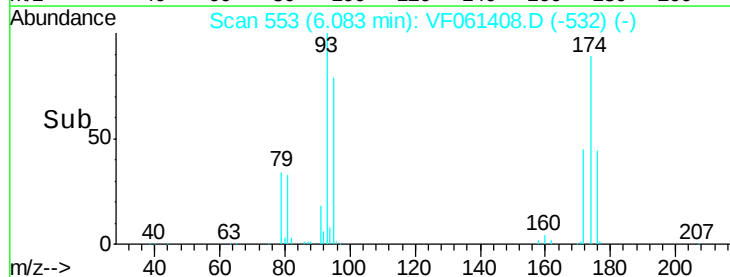
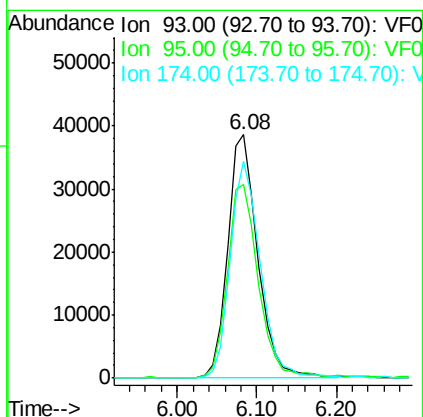
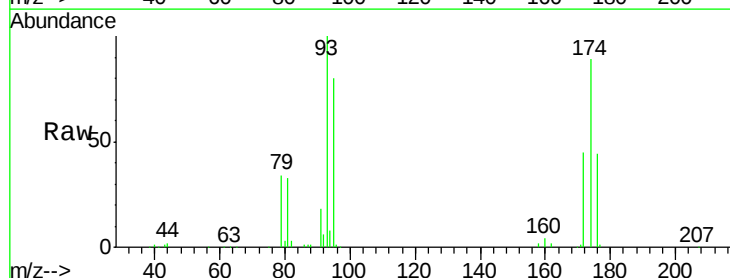
Tgt Ion: 93 Resp: 102172

Ion Ratio Lower Upper

93 100

95 79.8 62.1 93.1

174 88.8 74.6 111.8





#47

Bromodichloromethane

Concen: 76.004 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

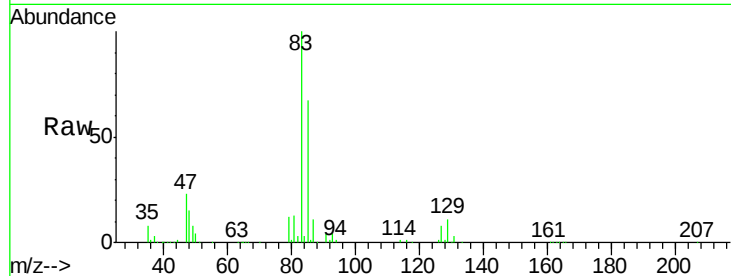
ClientSampleId :

VSTDIC075

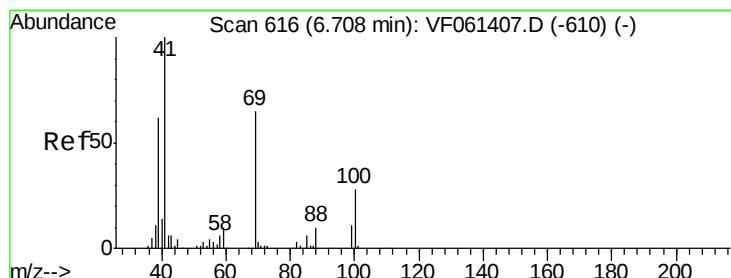
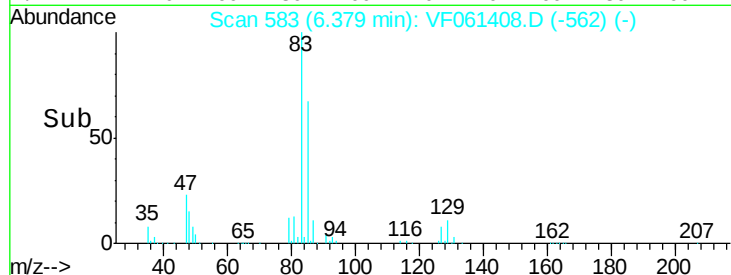
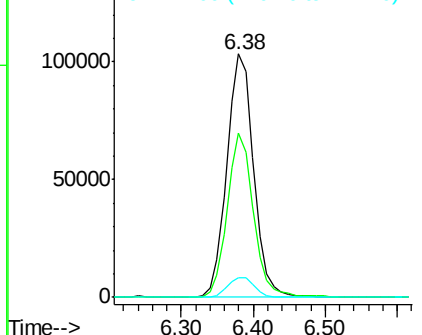
Tot Ion:	83	Resp:	268613
Ion Ratio	Lower	Upper	
83	100		
85	67.5	53.0	79.4
127	8.3	6.9	10.3

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 74.195 ug/l

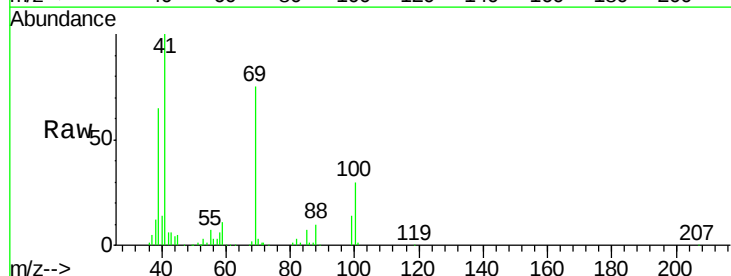
RT: 6.71 min Scan# 617

Delta R.T. 0.01 min

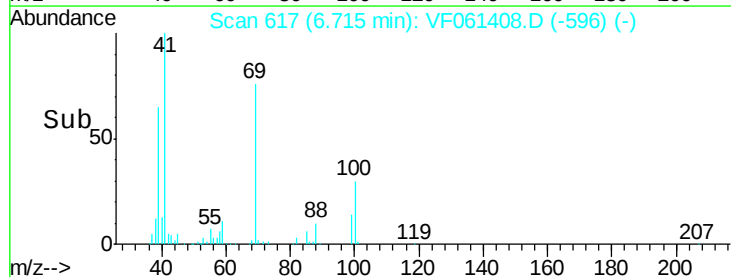
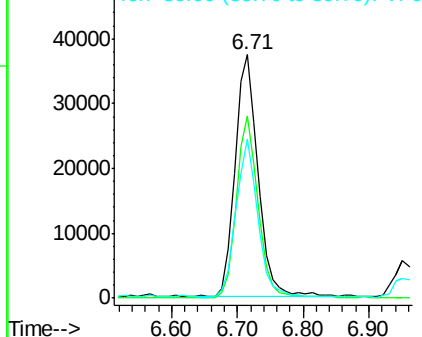
Lab File: VF061408.D

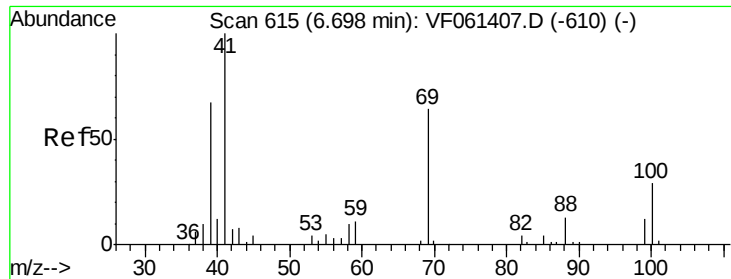
Acq: 15 Jan 2019 15:56

Tgt Ion:	41	Resp:	92164
Ion Ratio	Lower	Upper	
41	100		
69	74.9	51.7	77.5
39	65.4	49.2	73.8



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1540.934 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

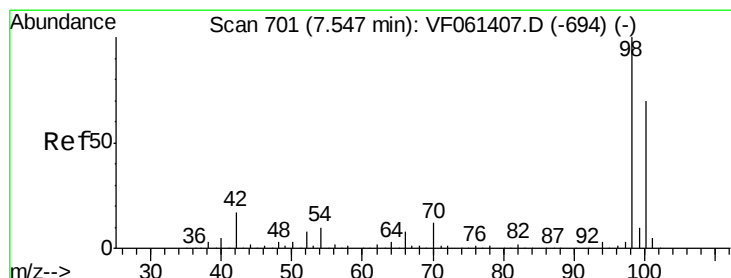
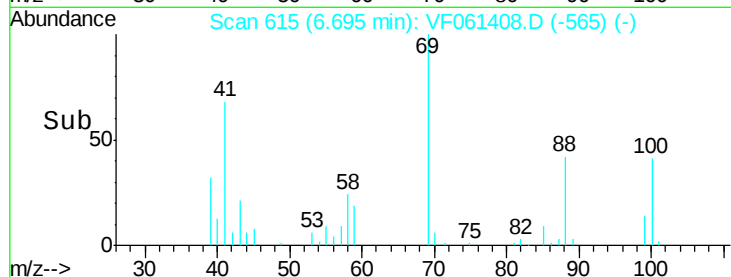
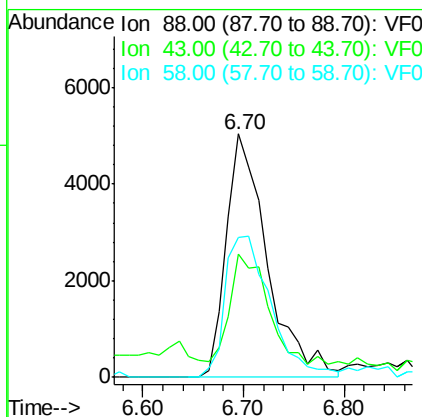
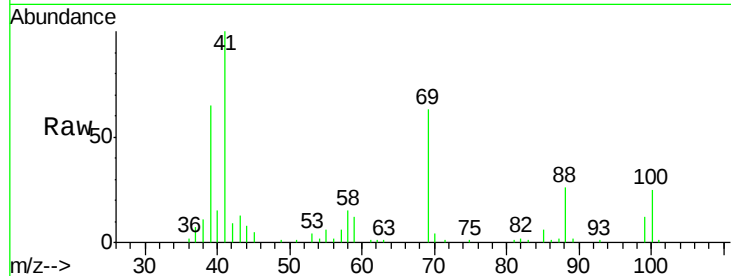
ClientSampleId :

VSTDIC075

Tot Ion:	88	Resp:	14297
Ion Ratio	Lower	Upper	
88	100		
43	50.7	55.5	83.3#
58	57.7	59.9	89.9#

Manual Integrations
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#50

Toluene-d8

Concen: 69.949 ug/l

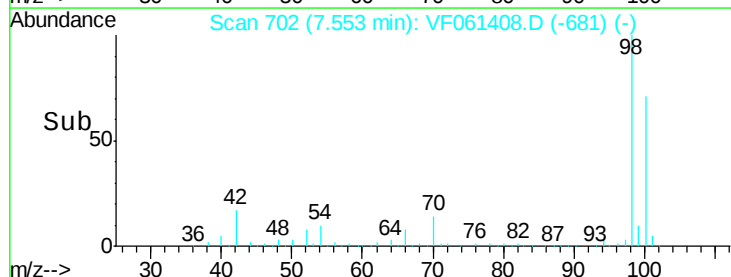
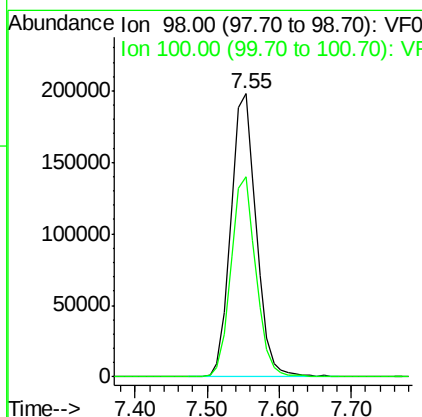
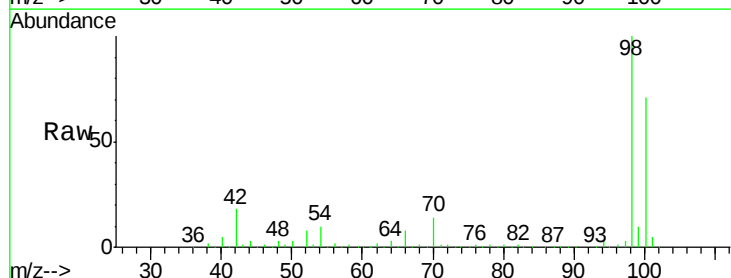
RT: 7.55 min Scan# 702

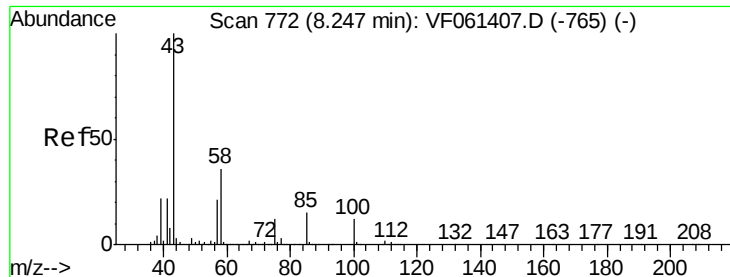
Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Tgt Ion:	98	Resp:	488466
Ion Ratio	Lower	Upper	
98	100		
100	70.5	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 327.838 ug/l

RT: 8.25 min Scan# 773

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 472401

Ion Ratio Lower Upper

43 100

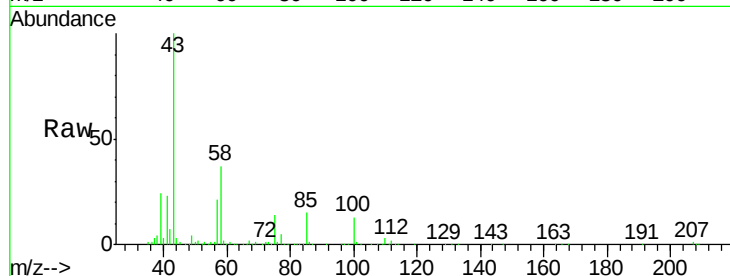
58 37.2 28.8 43.2

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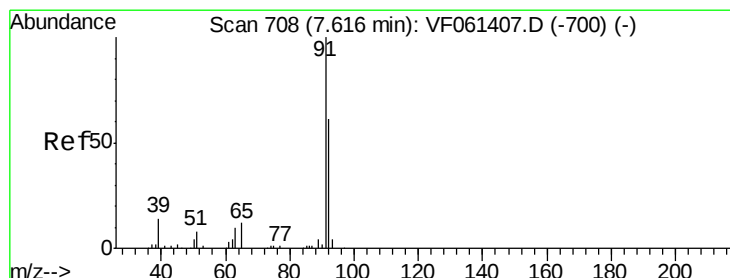
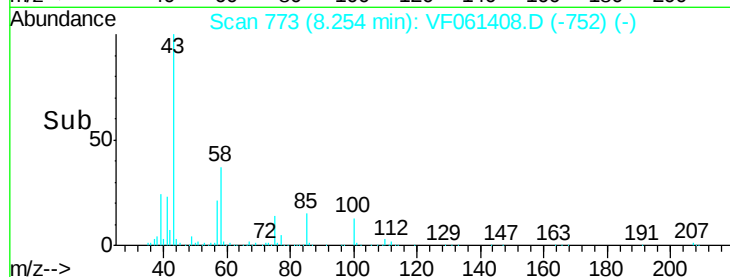
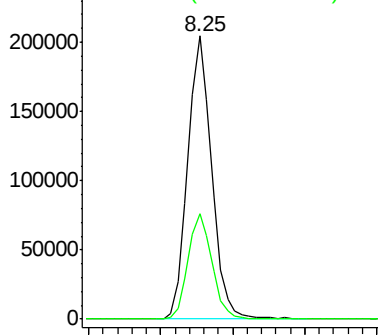
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 63.360 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.01 min

Lab File: VF061408.D

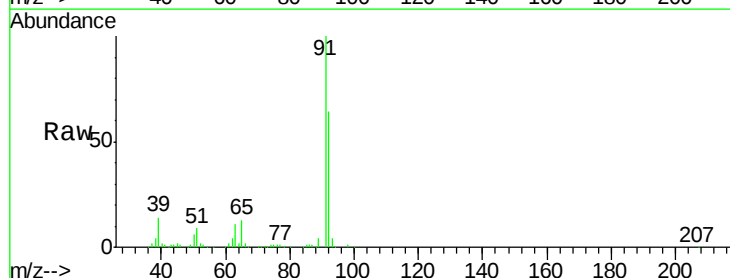
Acq: 15 Jan 2019 15:56

Tgt Ion: 92 Resp: 361593

Ion Ratio Lower Upper

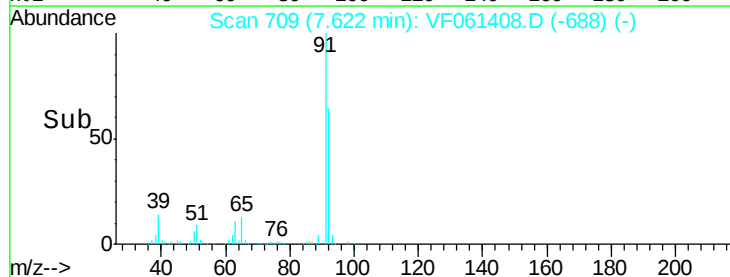
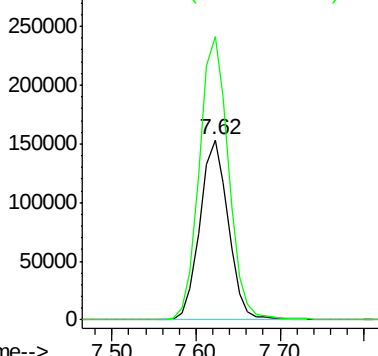
92 100

91 157.2 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 71.755 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 204582

Ion Ratio Lower Upper

75 100

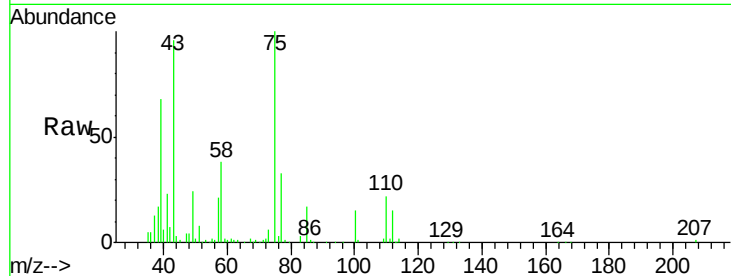
77 32.7 24.4 36.6

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.27

100000

80000

60000

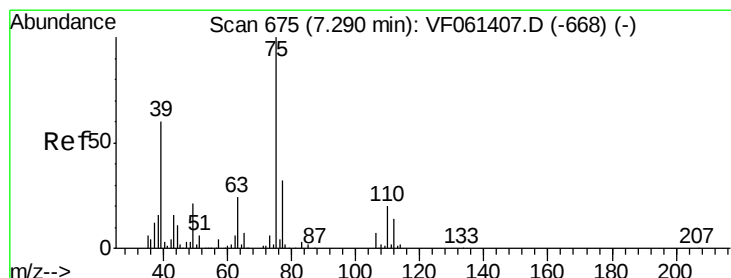
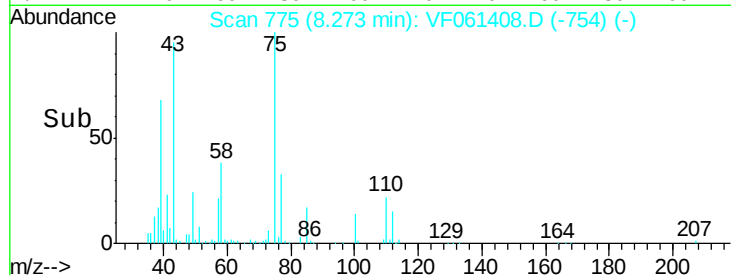
40000

20000

0

8.10 8.20 8.30 8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 73.682 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

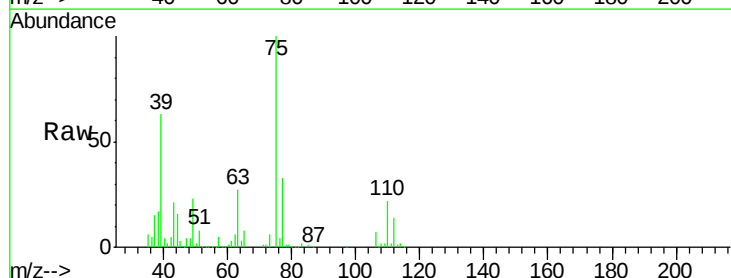
Tgt Ion: 75 Resp: 264224

Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.0

39 63.4 47.8 71.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.30

150000

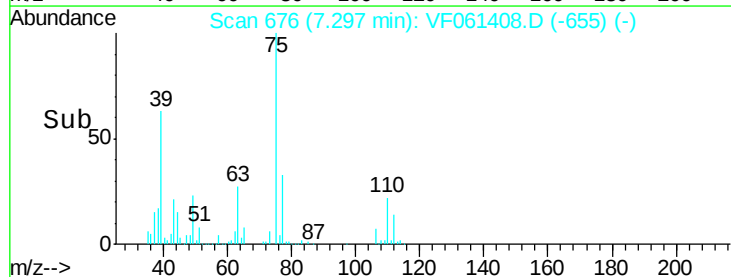
100000

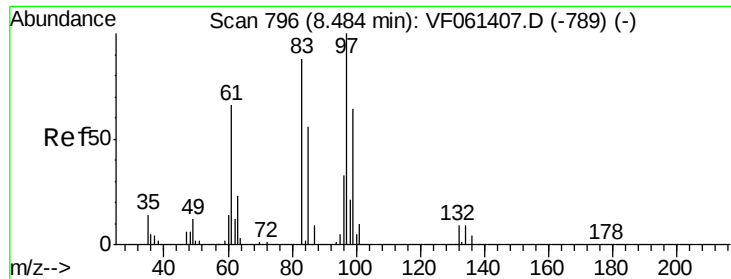
50000

0

7.20 7.30 7.40 7.50

Time-->





#55

1,1,2-Trichloroethane

Concen: 74.304 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

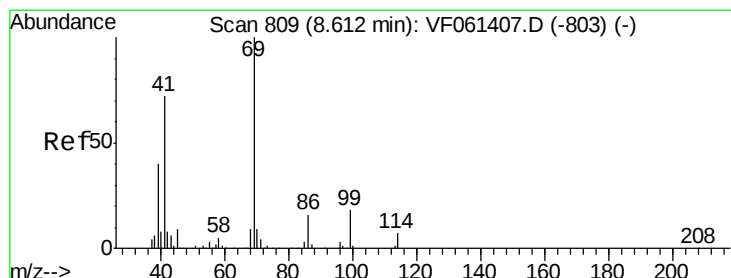
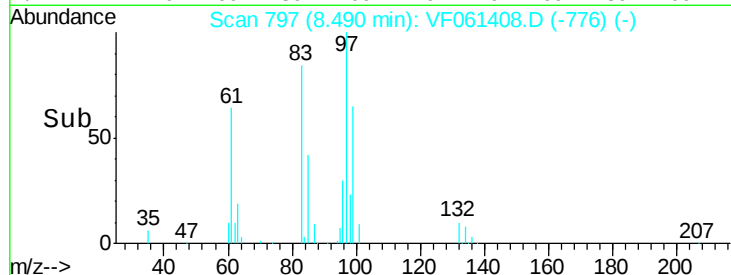
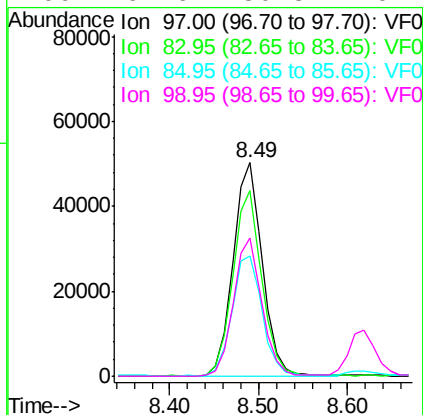
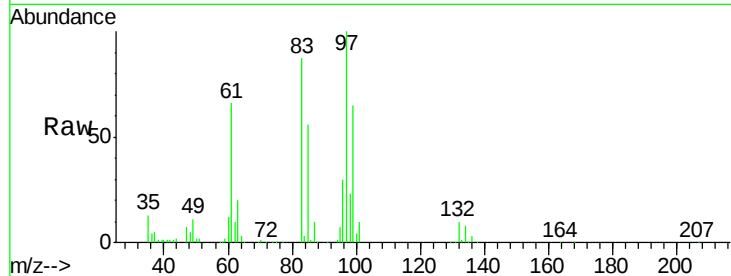
ClientSampleId :

VSTDIC075

Tot Ion	97	Resp	115251
Ion Ratio	Lower	Upper	
97	100		
83	86.9	70.4	105.6
85	56.1	44.7	67.1
99	64.6	50.8	76.2

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#56

Ethyl methacrylate

Concen: 73.663 ug/l

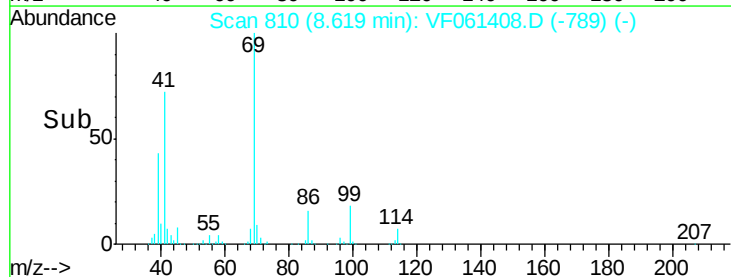
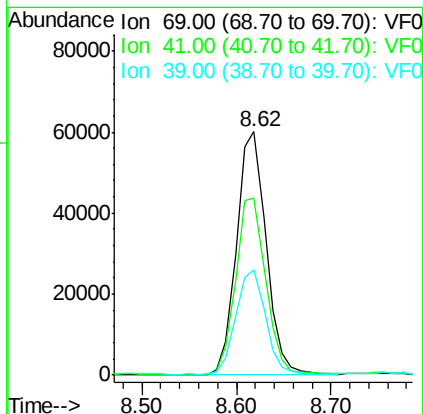
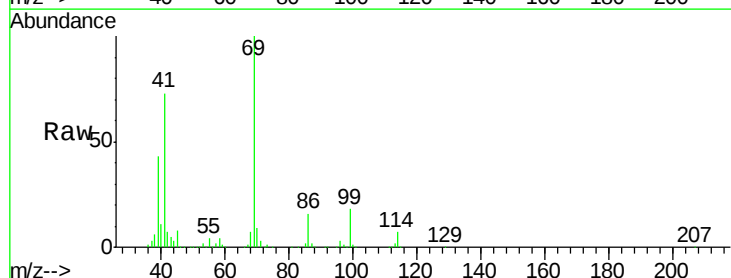
RT: 8.62 min Scan# 810

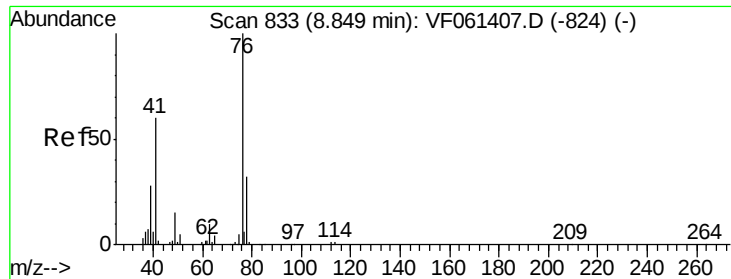
Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Tgt Ion	69	Resp	130937
Ion Ratio	Lower	Upper	
69	100		
41	72.6	57.5	86.3
39	43.4	32.0	48.0





#57

1,3-Dichloropropane

Concen: 71.742 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 206422

Ion Ratio Lower Upper

76 100

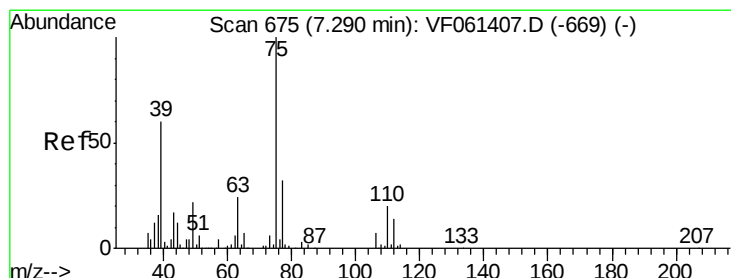
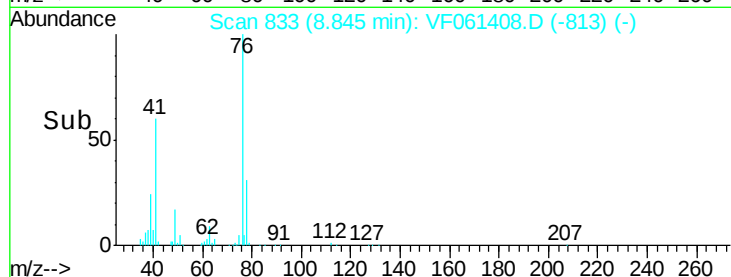
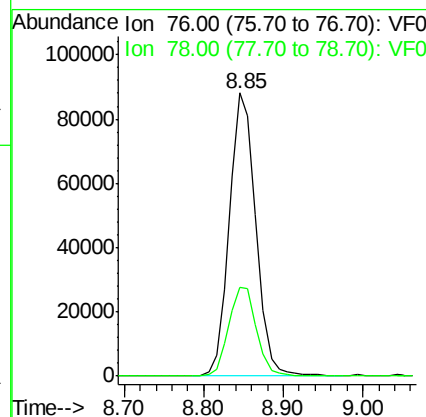
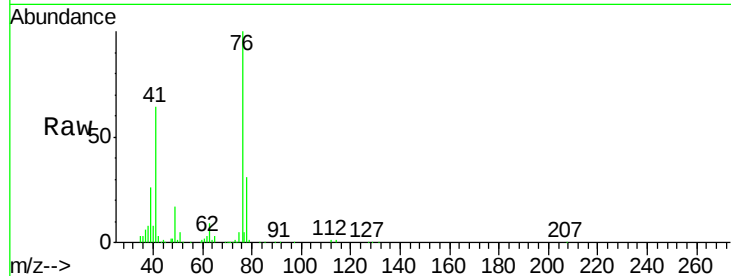
78 31.4 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 576.575 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061408.D

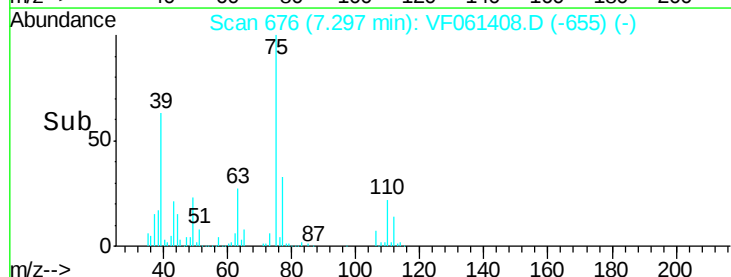
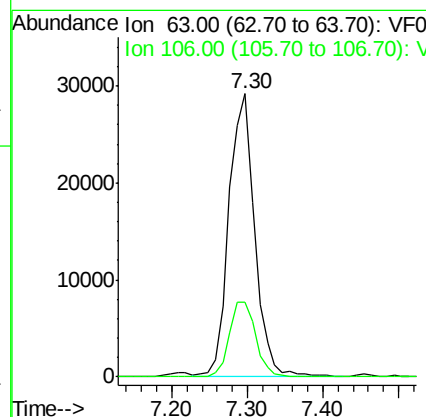
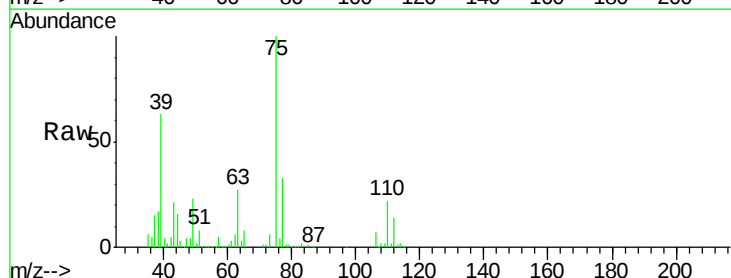
Acq: 15 Jan 2019 15:56

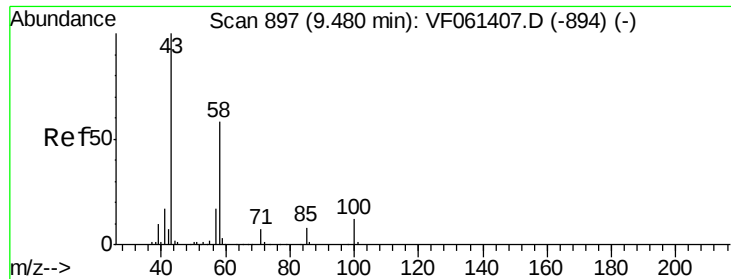
Tgt Ion: 63 Resp: 69333

Ion Ratio Lower Upper

63 100

106 26.4 21.9 32.9





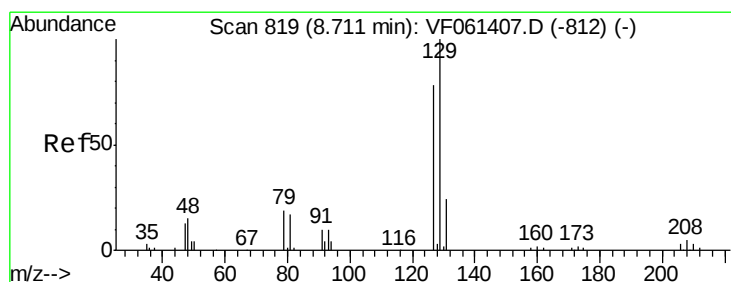
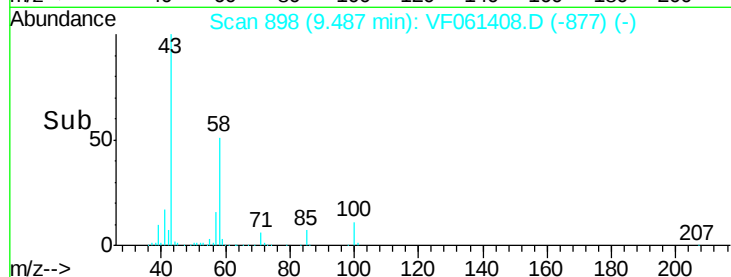
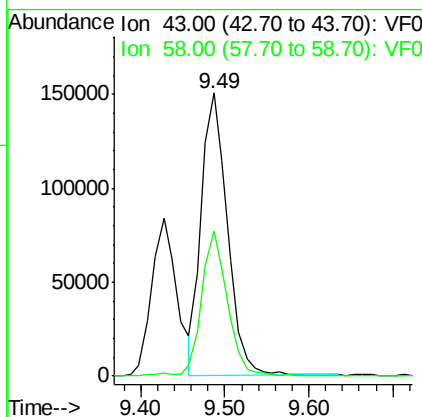
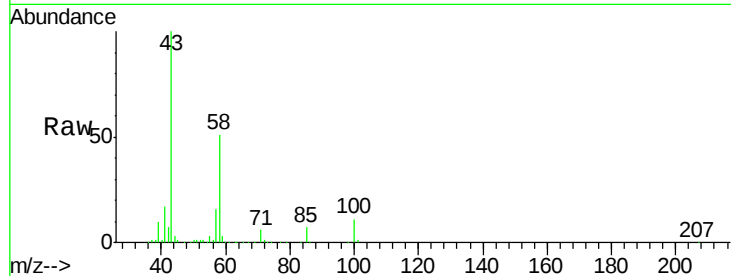
#59
2-Hexanone
Concen: 322.020 ug/l
RT: 9.49 min Scan# 898
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion: 43 Resp: 322990
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.6

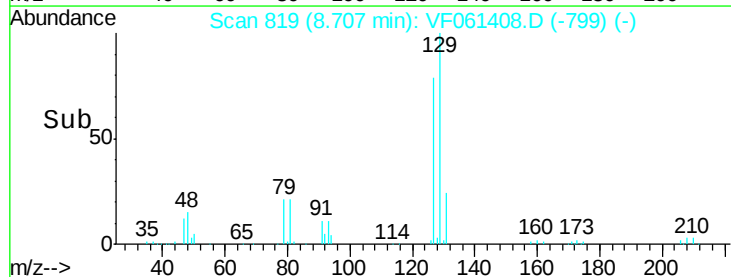
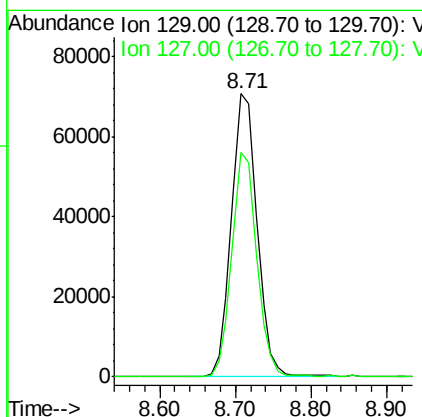
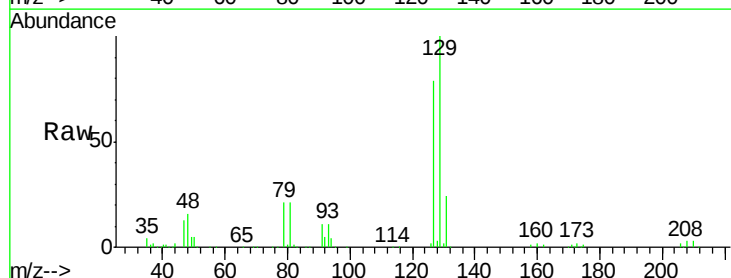
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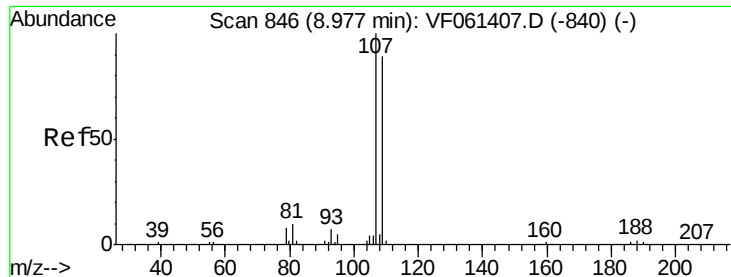
apatel
1/16/2019 4:05:45 PM



#60
Dibromochloromethane
Concen: 75.530 ug/l
RT: 8.71 min Scan# 819
Delta R.T. -0.00 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion: 129 Resp: 166505
Ion Ratio Lower Upper
129 100
127 79.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 72.282 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 107 Resp: 128276

Ion Ratio Lower Upper

107 100

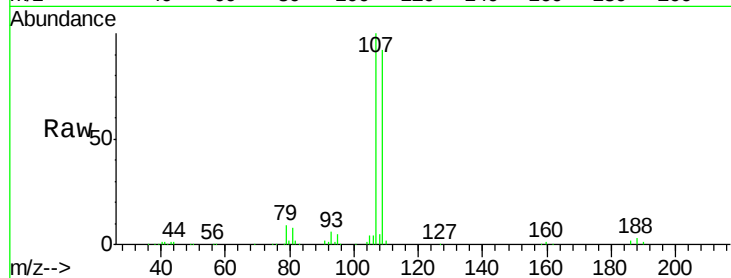
109 92.1 70.8 106.2

Manual Integrations

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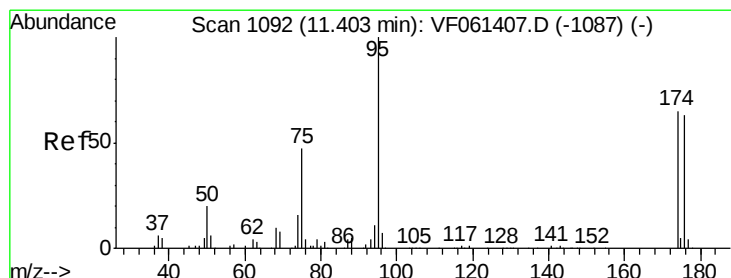
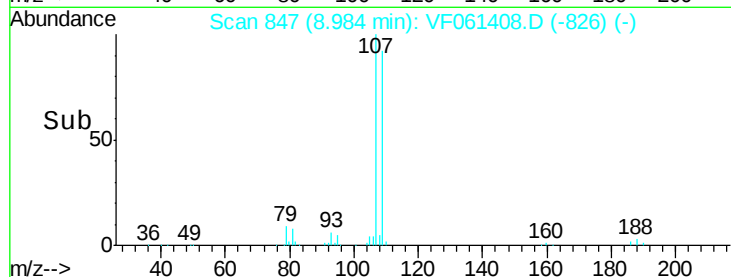
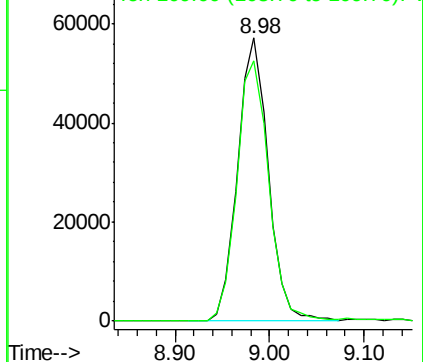
apatel

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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: 61.708 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

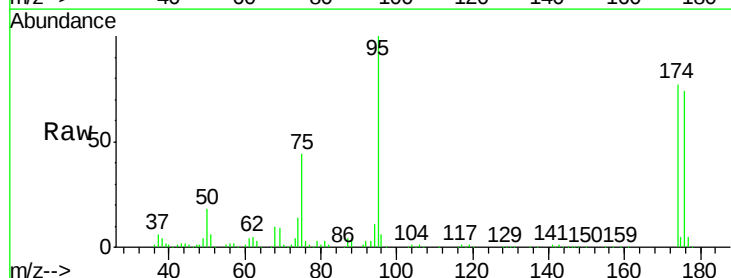
Tgt Ion: 95 Resp: 208180

Ion Ratio Lower Upper

95 100

174 76.7 0.0 130.4

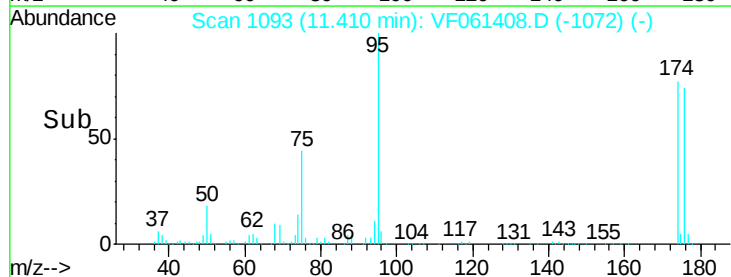
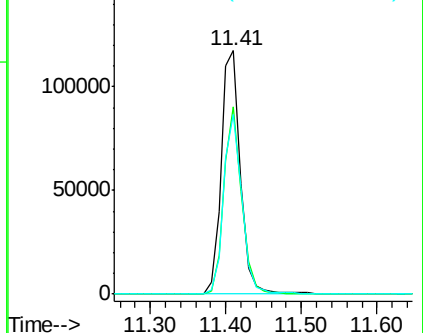
176 73.9 0.0 126.2

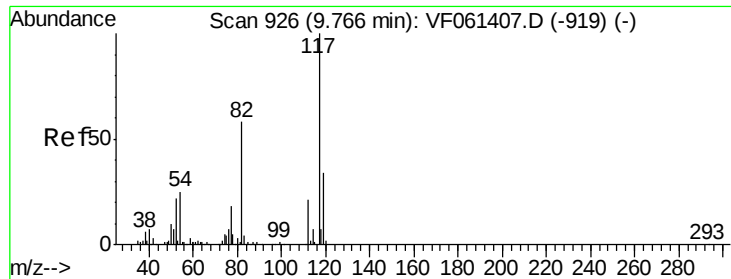


Abundance Ion 95.00 (94.70 to 95.70): VF0

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: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

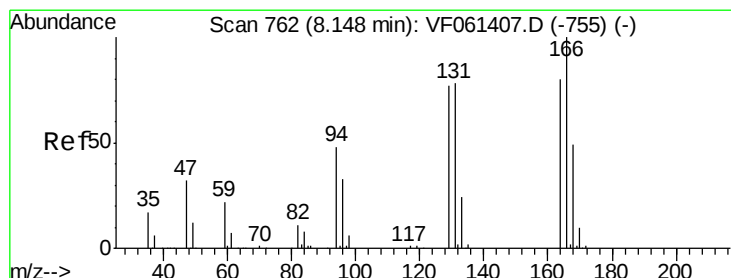
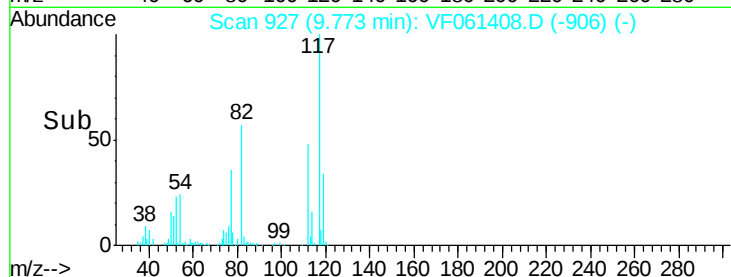
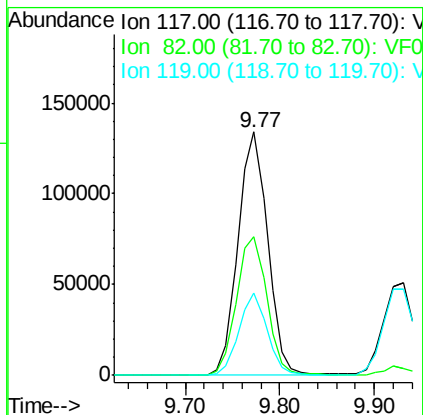
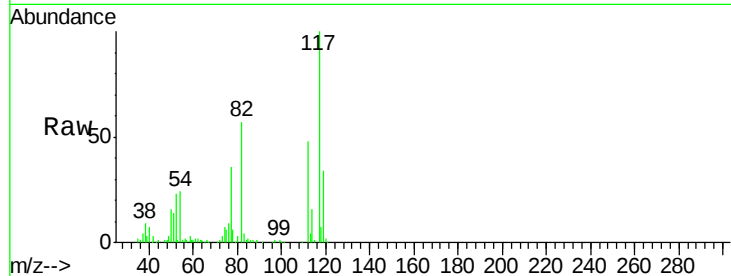
ClientSampleId :

VSTDIC075

Tot Ion:	117	Resp:	292834
Ion Ratio	Lower	Upper	
117	100		
82	56.7	46.4	69.6
119	33.9	27.2	40.8

Manual Integrations
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#64

Tetrachloroethene

Concen: 73.099 ug/l

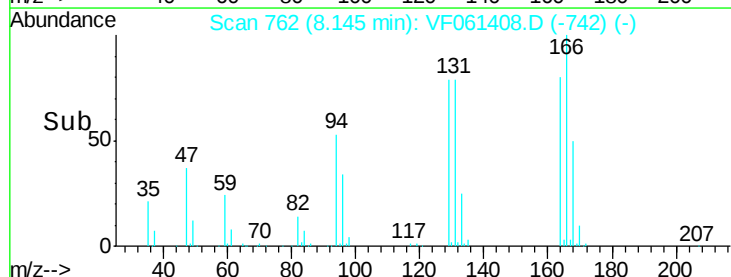
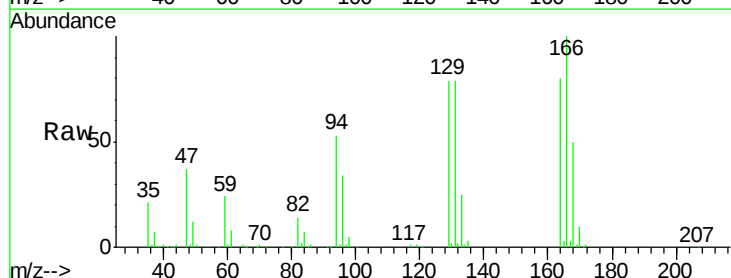
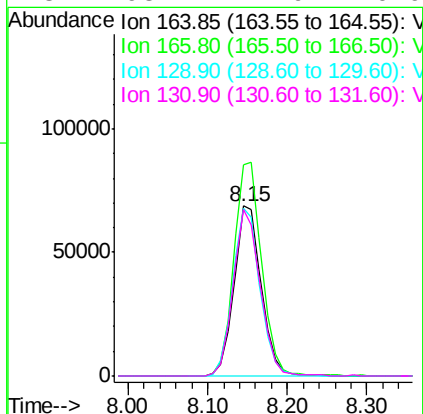
RT: 8.15 min Scan# 762

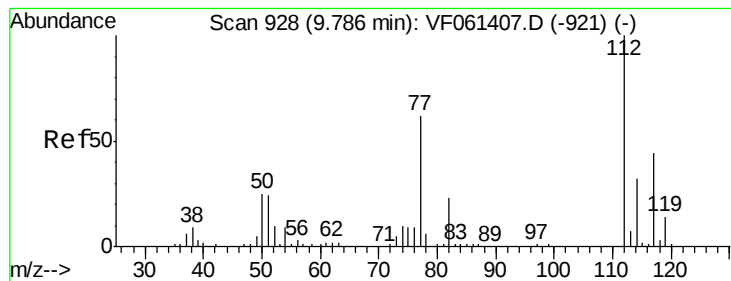
Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Tgt Ion:	164	Resp:	163058
Ion Ratio	Lower	Upper	
164	100		
166	124.6	99.6	149.4
129	98.9	76.4	114.6
131	98.1	77.9	116.9





#65

Chlorobenzene

Concen: 69.059 ug/l

RT: 9.79 min Scan# 929

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:112 Resp: 428557

Ion Ratio Lower Upper

112 100

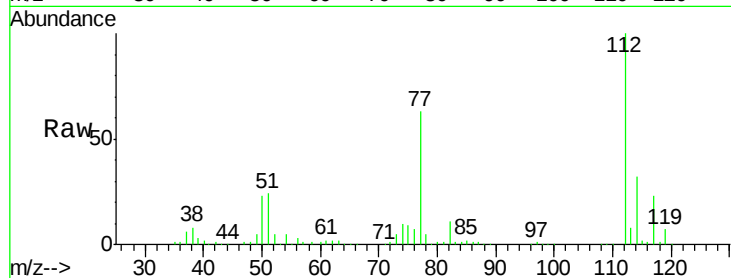
114 32.2 25.4 38.0

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.79

200000

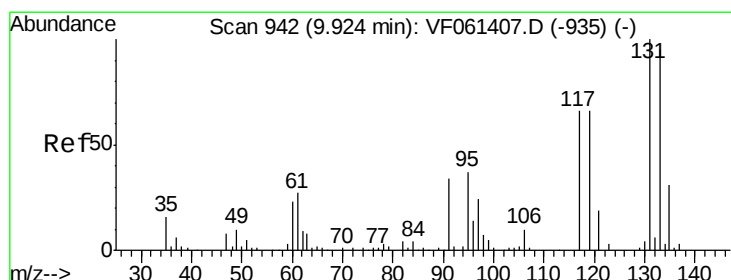
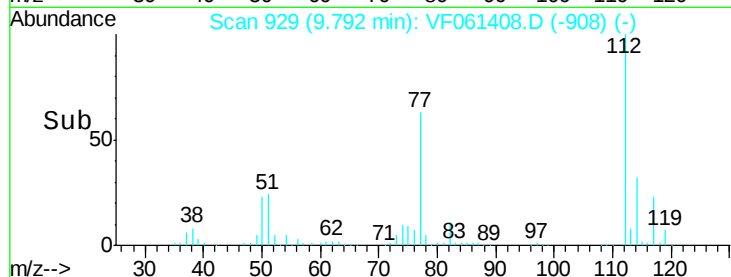
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 69.166 ug/l

RT: 9.92 min Scan# 942

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

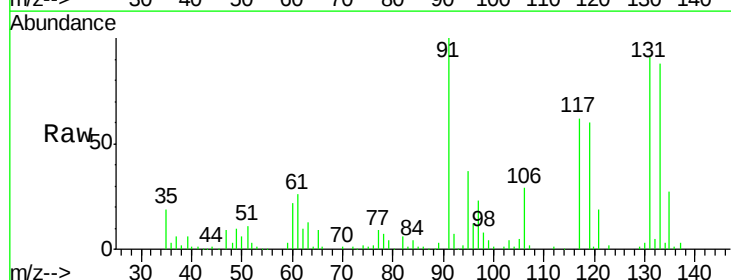
Tgt Ion:131 Resp: 168020

Ion Ratio Lower Upper

131 100

133 97.6 47.4 142.2

119 66.2 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

9.92

80000

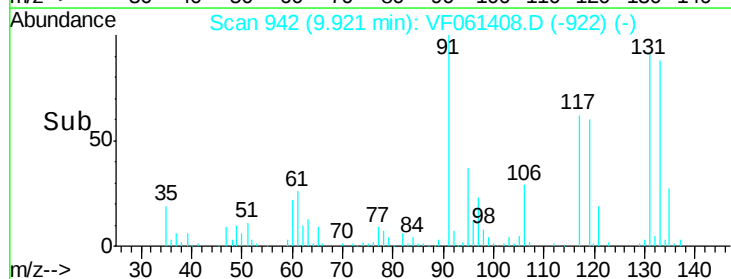
60000

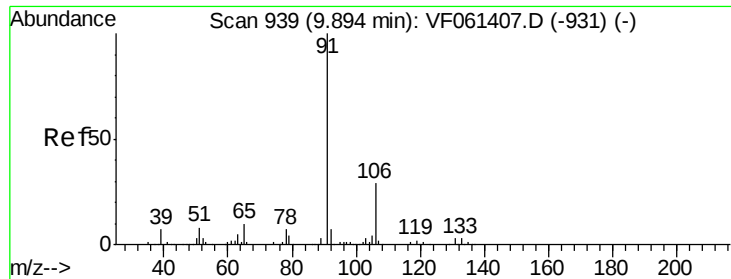
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 66.931 ug/l

RT: 9.89 min Scan# 939

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 769063

Ion Ratio Lower Upper

91 100

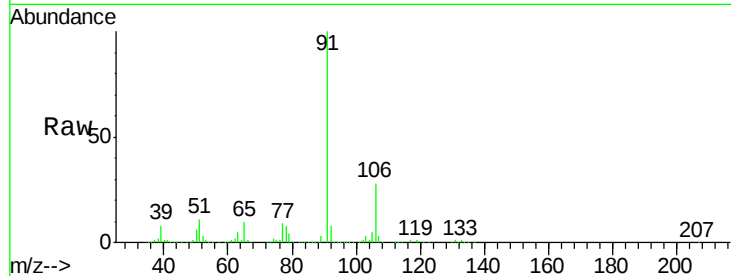
106 28.5 23.1 34.7

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

500000

400000

300000

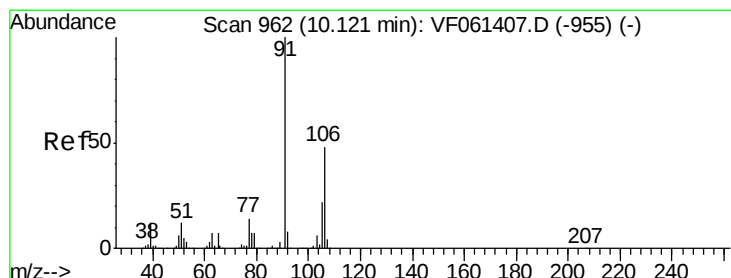
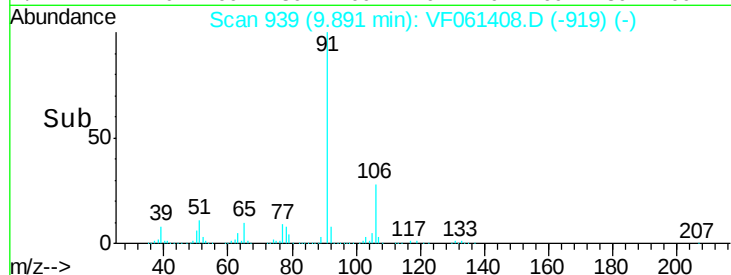
200000

100000

0

9.80 9.90 10.00 10.10

Time-->



#68

m/p-Xylenes

Concen: 124.794 ug/l

RT: 10.13 min Scan# 963

Delta R.T. 0.01 min

Lab File: VF061408.D

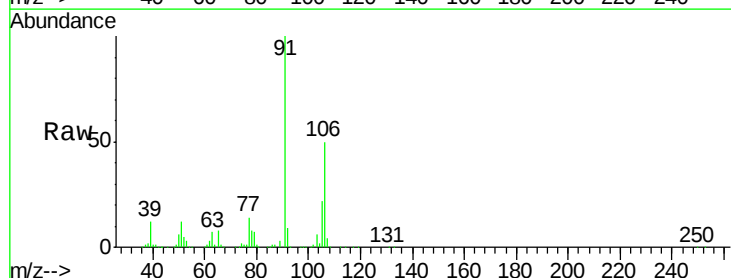
Acq: 15 Jan 2019 15:56

Tgt Ion: 106 Resp: 517311

Ion Ratio Lower Upper

106 100

91 200.1 166.2 249.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

500000

400000

300000

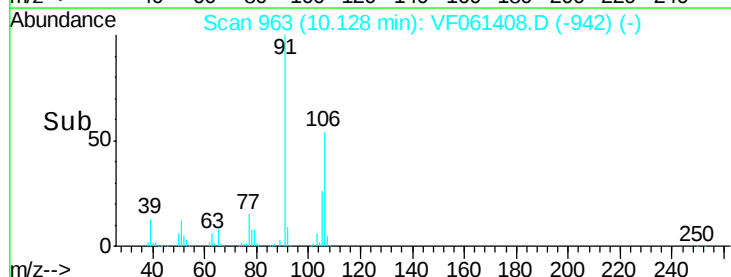
200000

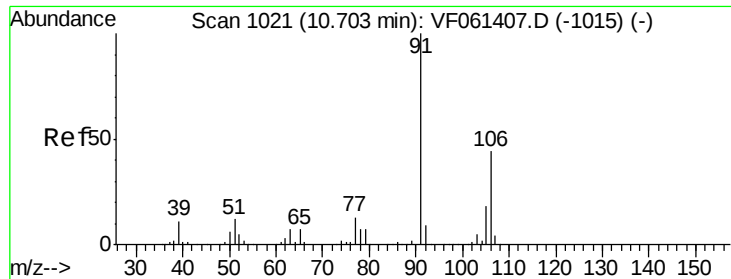
100000

0

10.00 10.20

Time-->





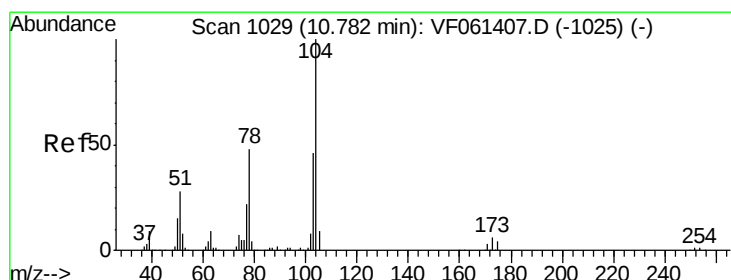
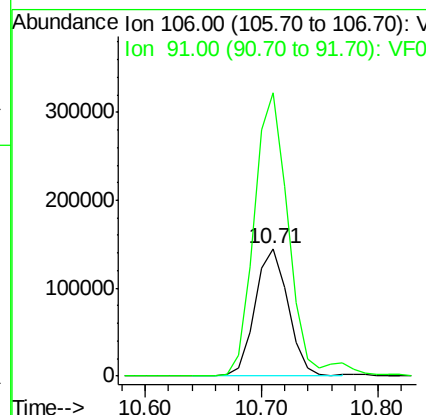
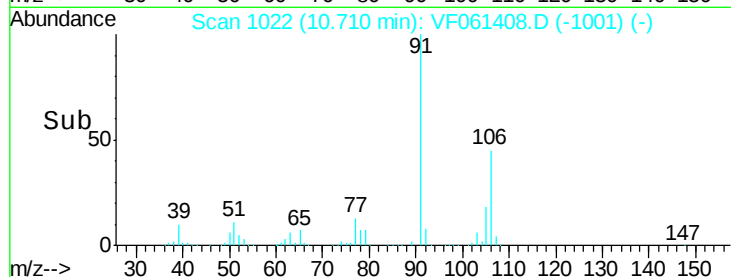
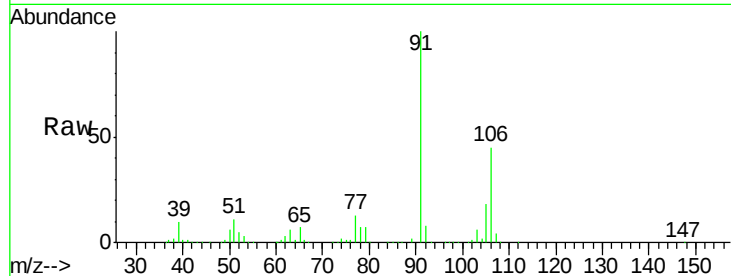
#69
o-Xylene
Concen: 64.637 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
106	100	286191		
91	221.4	113.3	339.8	

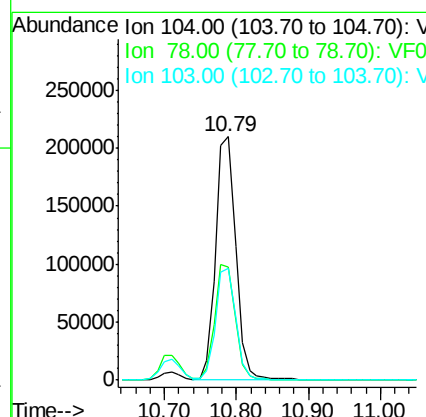
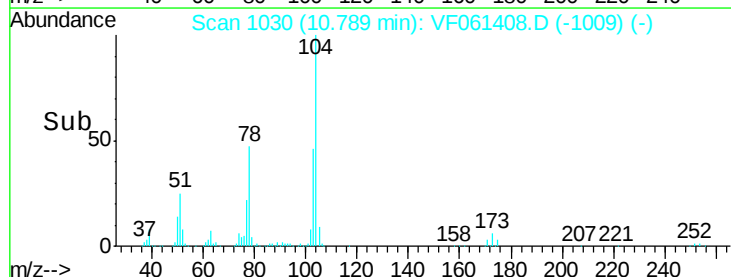
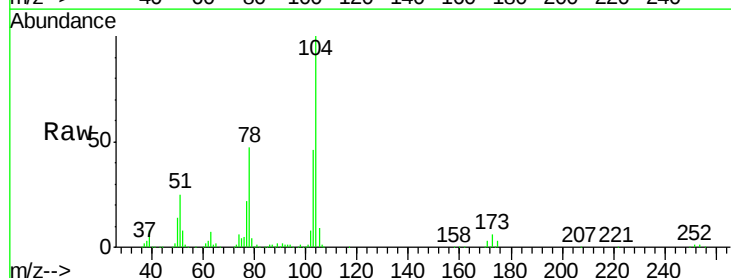
Manual Integrations
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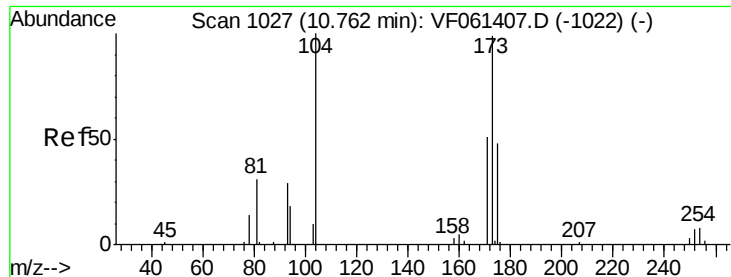
apatel
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#70
Styrene
Concen: 65.704 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	403791		
78	46.6	38.8	58.2	
103	46.0	37.0	55.6	





#71

Bromoform

Concen: 78.986 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:173 Resp: 82690

Ion Ratio Lower Upper

173 100

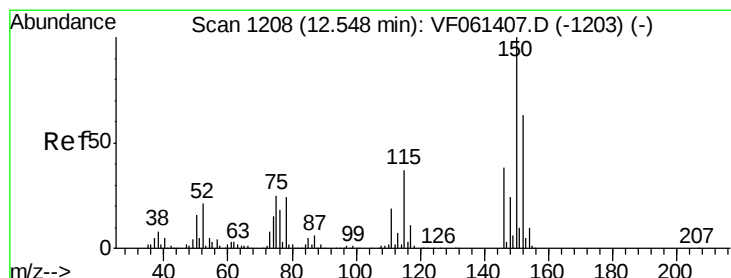
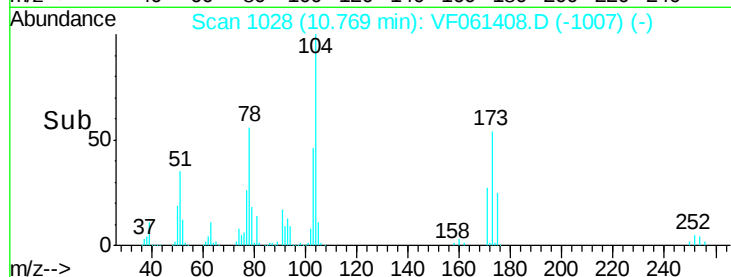
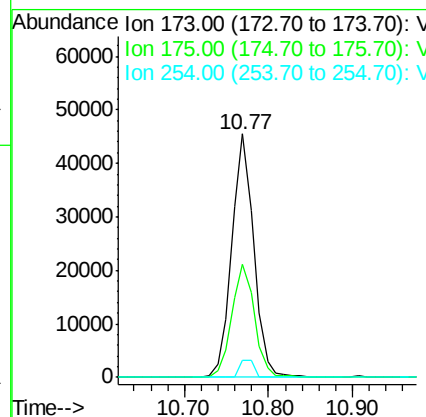
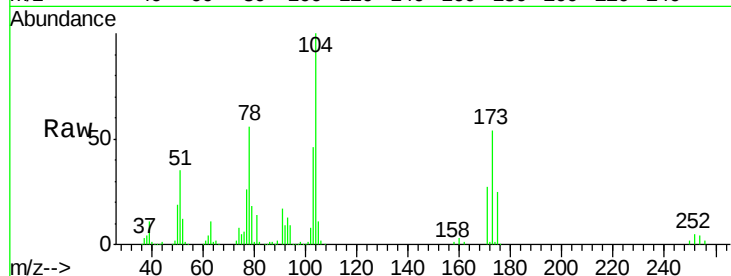
175 46.5 24.1 72.4

254 6.9 0.0 0.0#

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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: VF061408.D

Acq: 15 Jan 2019 15:56

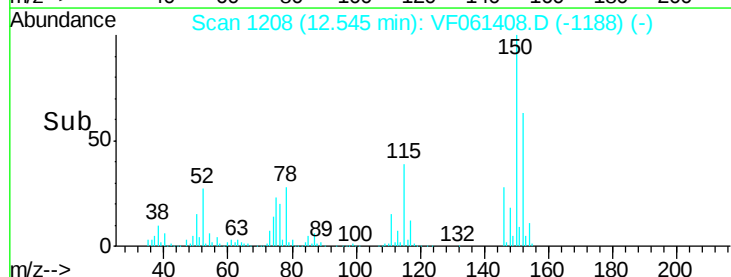
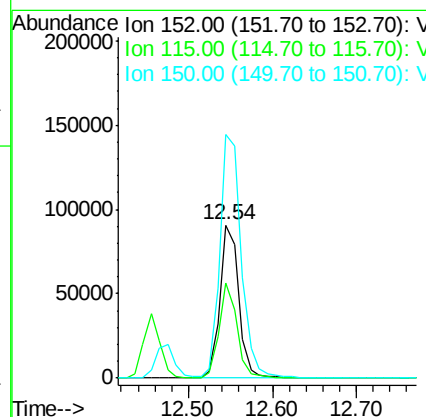
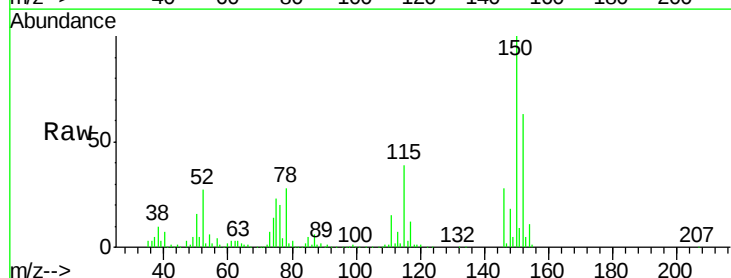
Tgt Ion:152 Resp: 141629

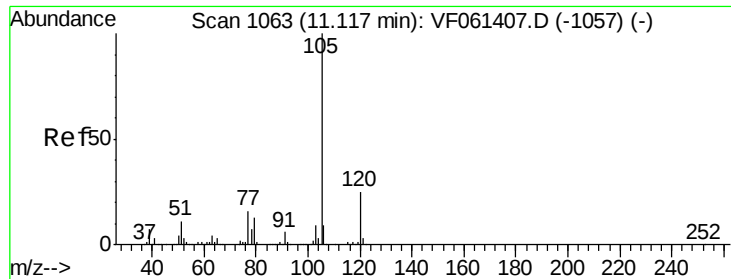
Ion Ratio Lower Upper

152 100

115 62.1 30.0 90.0

150 159.4 0.0 321.4





#73

Isopropylbenzene

Concen: 70.675 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 874213

Ion Ratio Lower Upper

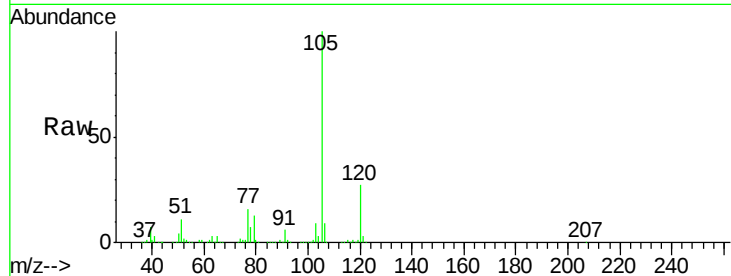
105 100

120 26.5 12.6 37.8

Manual Integrations
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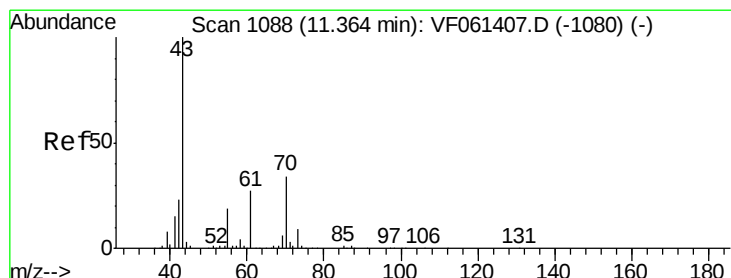
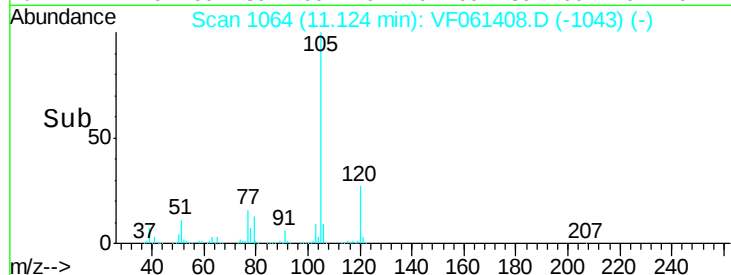
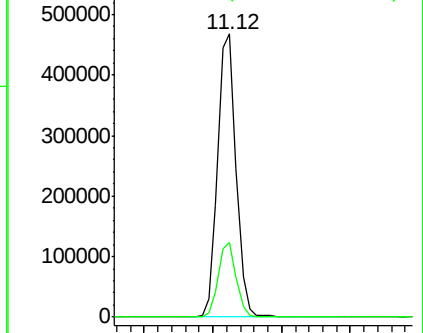
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 68.814 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Tgt Ion: 43 Resp: 195496

Ion Ratio Lower Upper

43 100

70 38.9 27.6 41.4

55 19.4 15.4 23.2

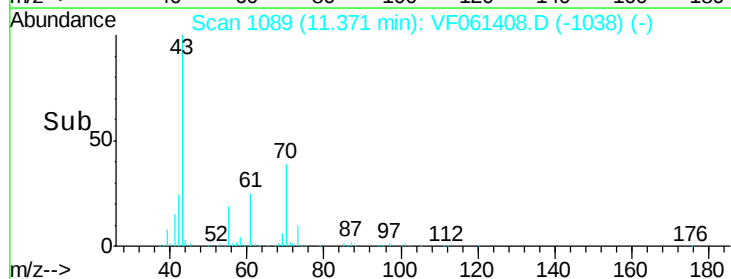
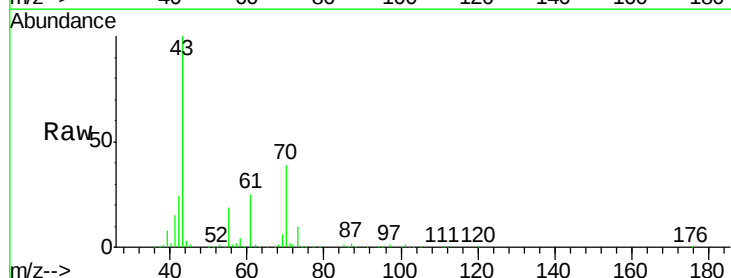
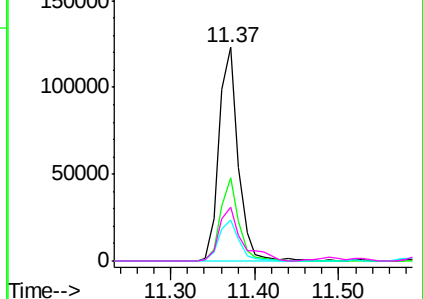
61 24.9 21.8 32.6

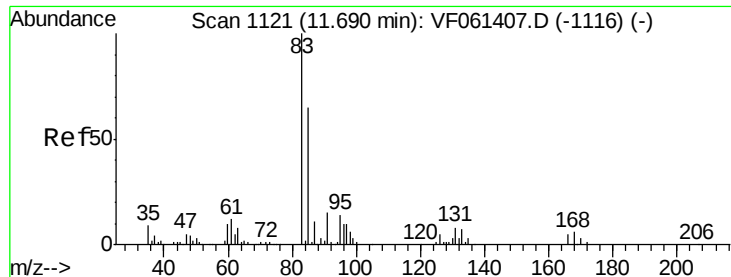
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 68.073 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

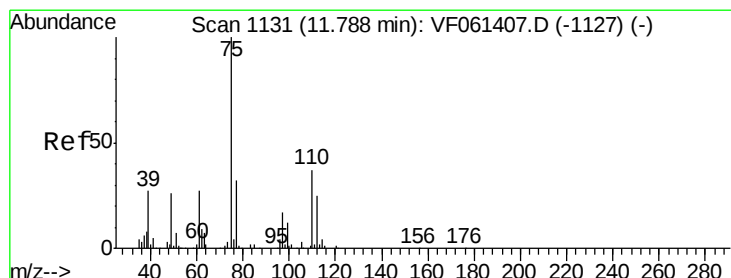
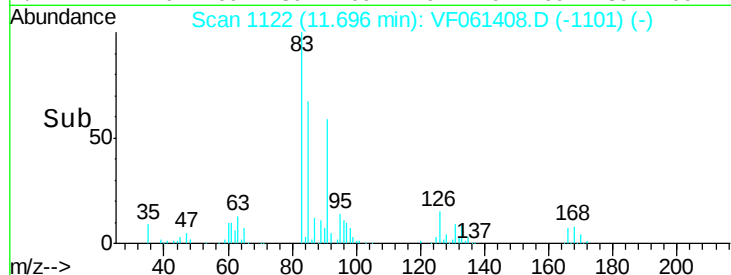
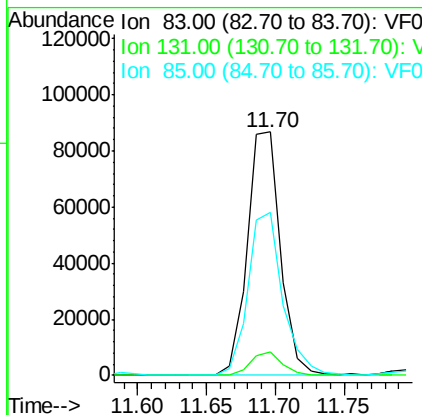
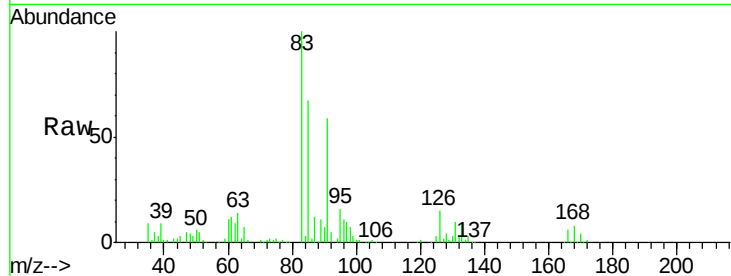
ClientSampleId :

VSTDIC075

Tot Ion:	83	Resp:	146448
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.0	12.2
85	66.9	32.7	98.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 67.992 ug/l

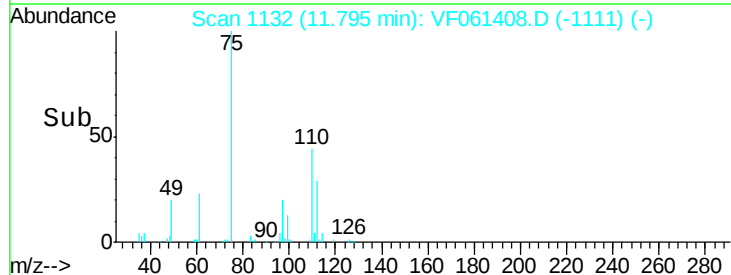
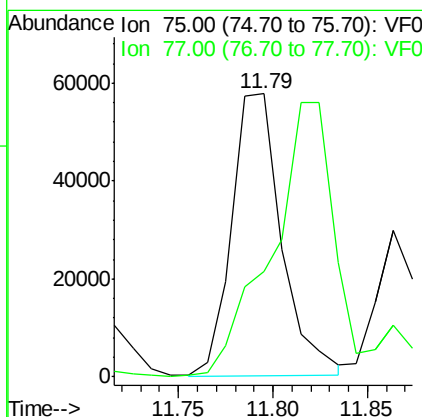
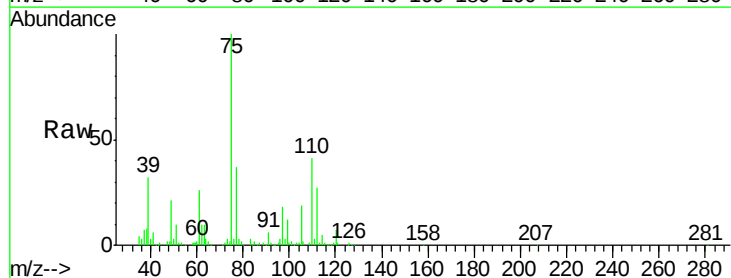
RT: 11.79 min Scan# 1132

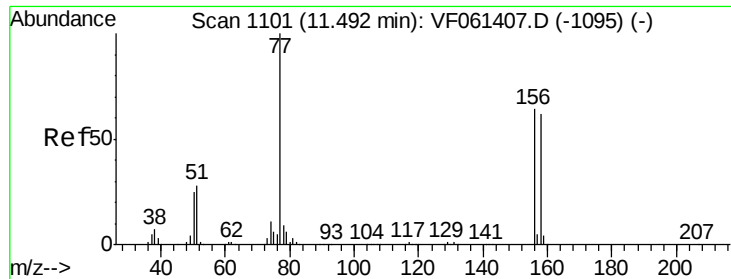
Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Tgt Ion:	75	Resp:	105142
Ion Ratio	Lower	Upper	
75	100		
77	37.2	16.1	48.3





#77

Bromobenzene

Concen: 71.281 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

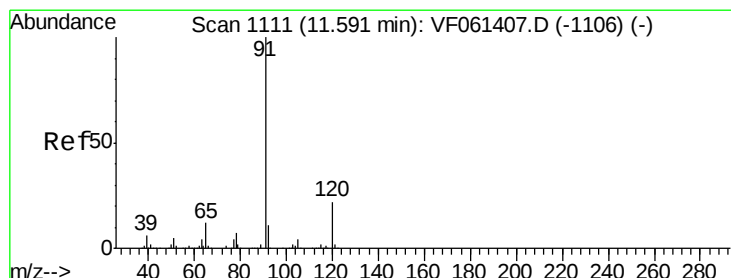
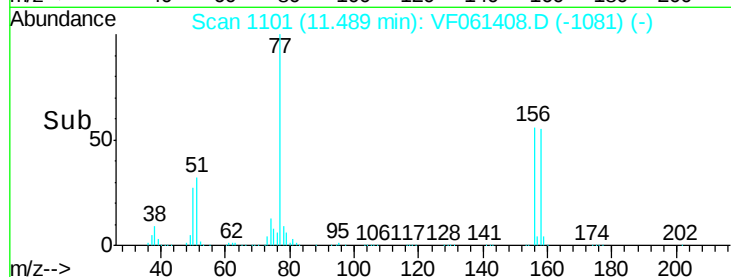
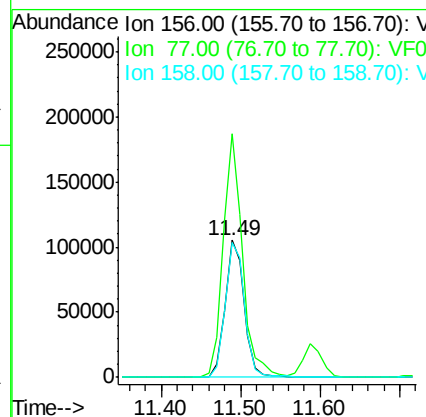
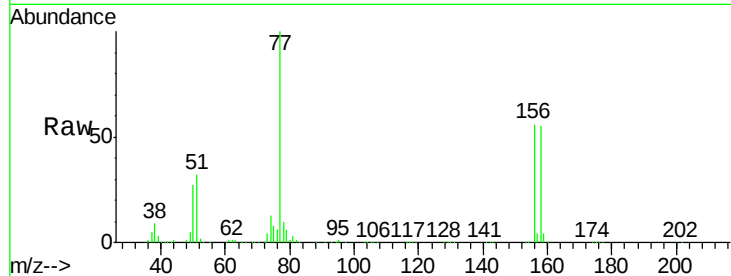
ClientSampleId :

VSTDIC075

Tot Ion	Ratio	Lower	Upper
156	100		
77	177.3	78.3	234.9
158	97.8	48.9	146.7

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#78

n-propylbenzene

Concen: 64.102 ug/l

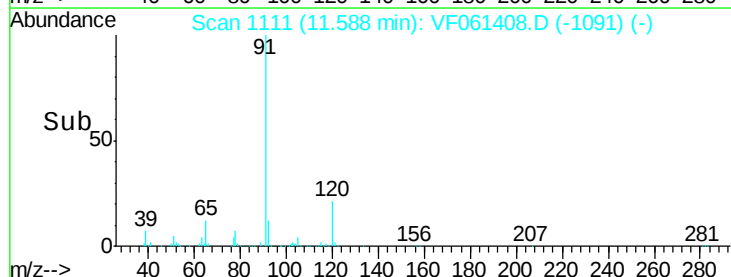
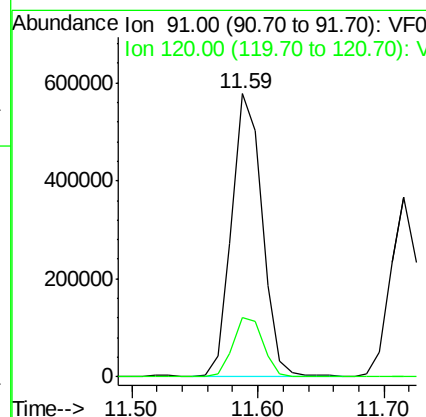
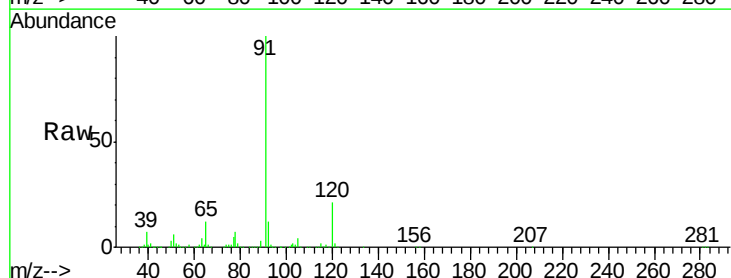
RT: 11.59 min Scan# 1111

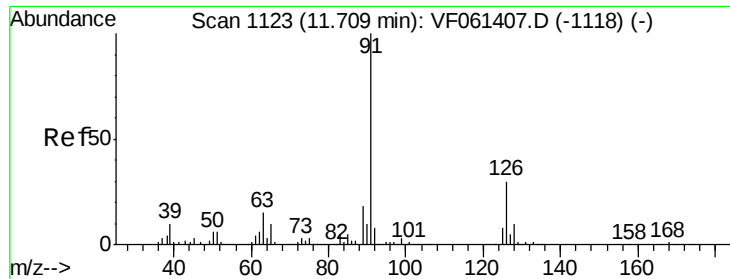
Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.2	10.9	32.6





#79

2-Chlorotoluene

Concen: 65.786 ug/l

RT: 11.72 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 563396

Ion Ratio Lower Upper

91 100

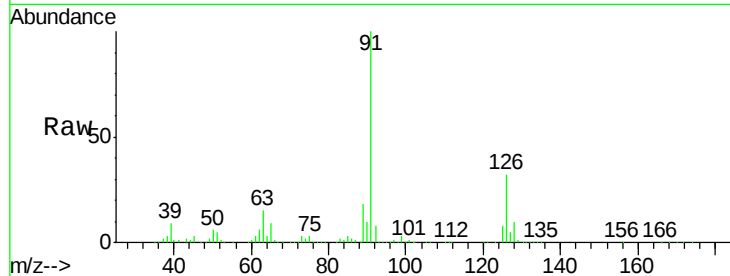
126 32.4 15.0 45.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.72

400000

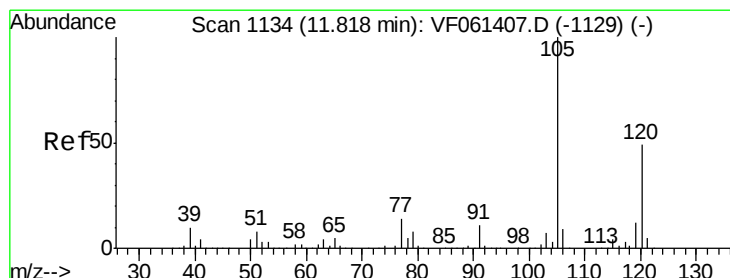
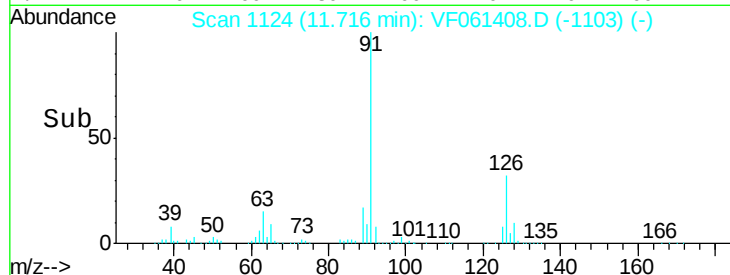
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 67.229 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VF061408.D

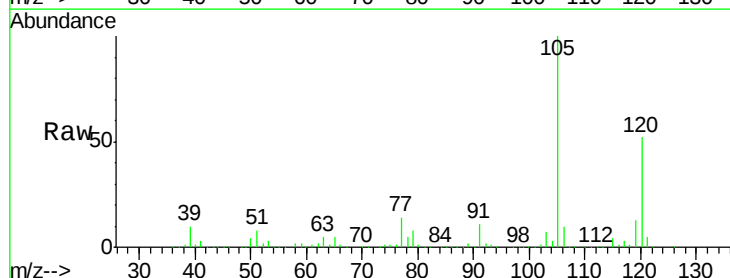
Acq: 15 Jan 2019 15:56

Tgt Ion: 105 Resp: 663816

Ion Ratio Lower Upper

105 100

120 51.7 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.82

400000

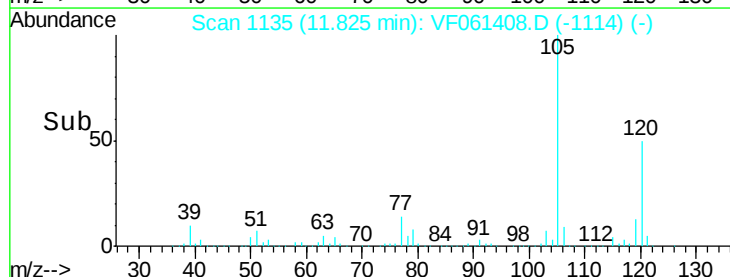
300000

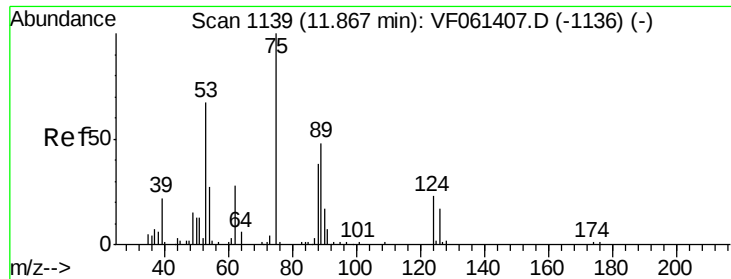
200000

100000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 57.374 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

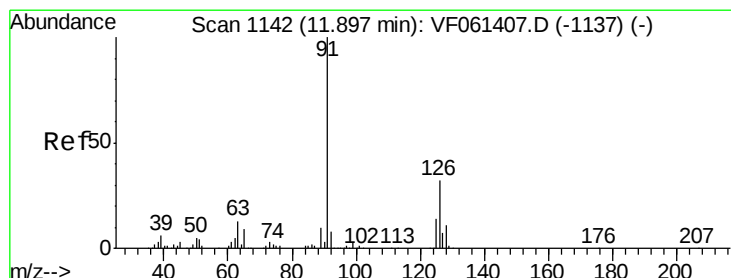
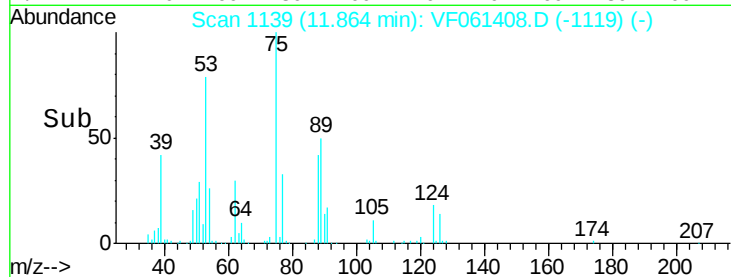
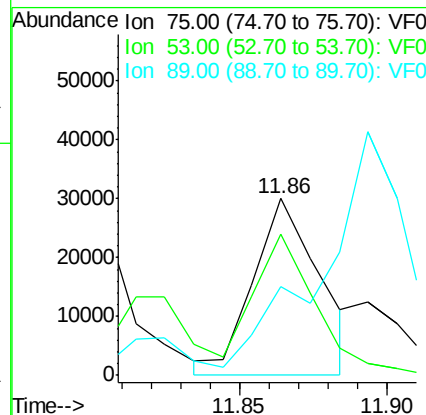
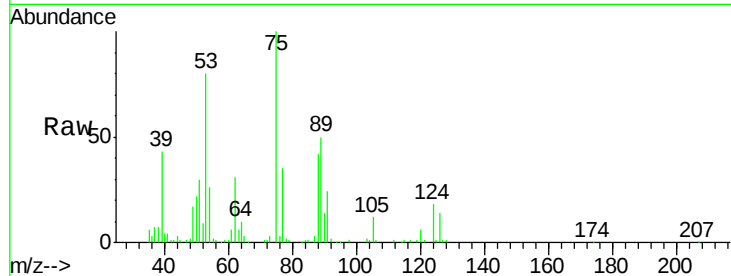
ClientSampled :

VSTDIC075

Tot Ion:	75	Resp:	46812
Ion	Ratio	Lower	Upper
75	100		
53	79.9	57.8	86.6
89	50.2	40.7	61.1

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#82

4-Chlorotoluene

Concen: 66.806 ug/l

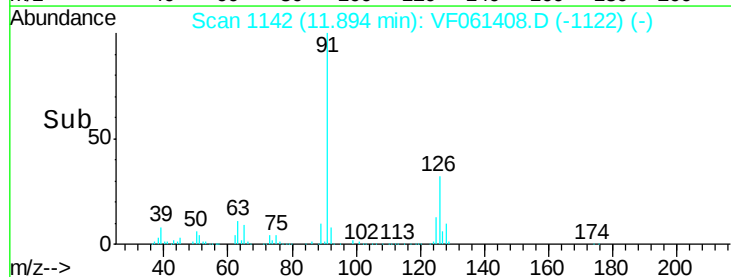
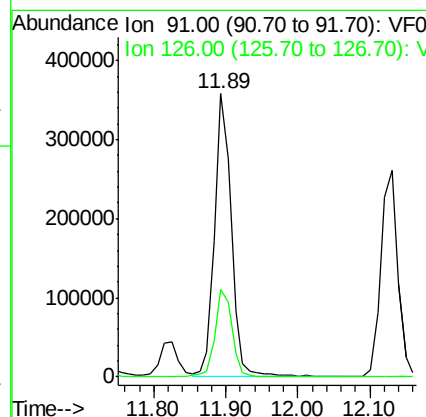
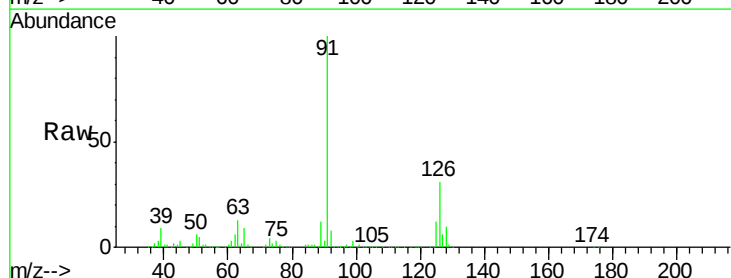
RT: 11.89 min Scan# 1142

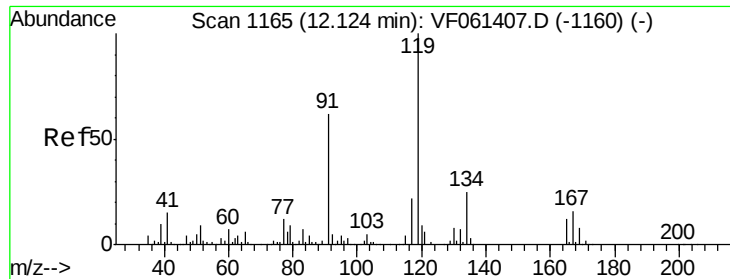
Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Tgt Ion:	91	Resp:	566666
Ion	Ratio	Lower	Upper
91	100		
126	30.8	16.0	47.9





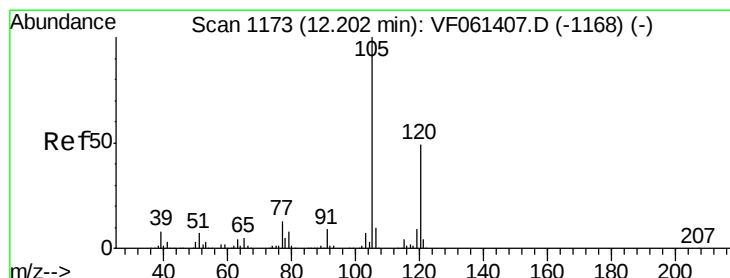
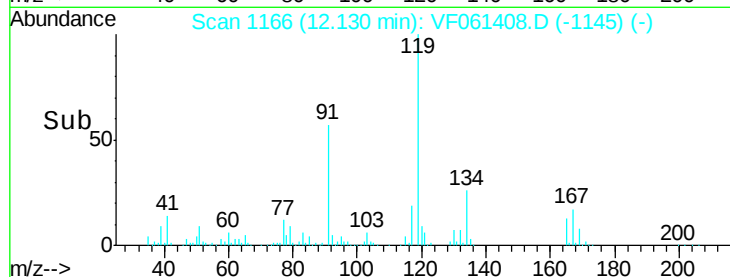
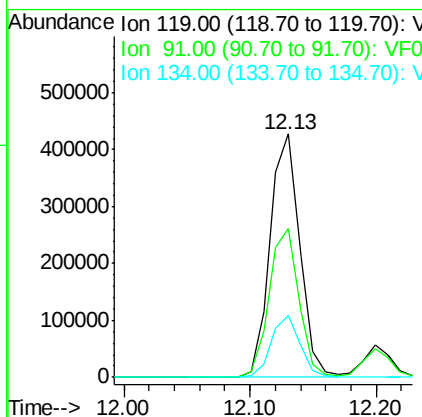
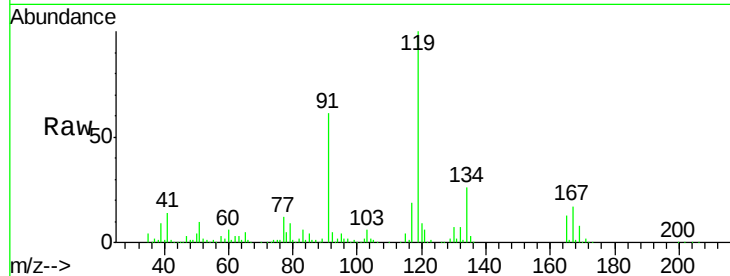
#83
tert-Butylbenzene
Concen: 68.402 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.01 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
119	100	702311		
91	60.9	31.3	93.8	
134	25.7	12.4	37.0	

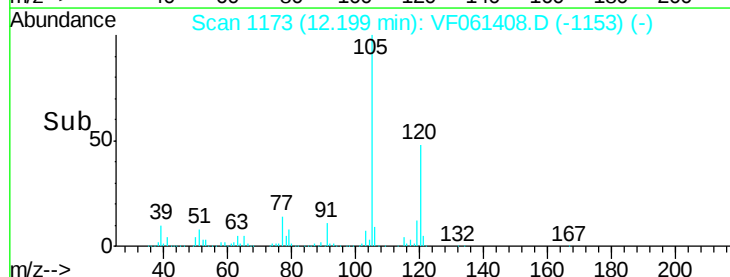
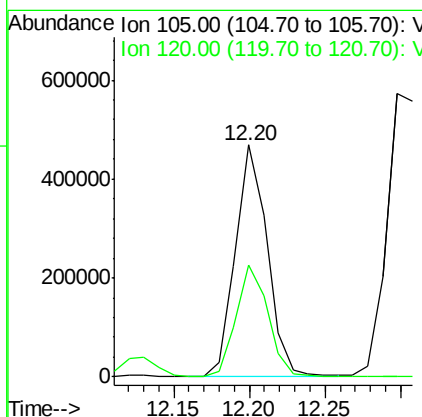
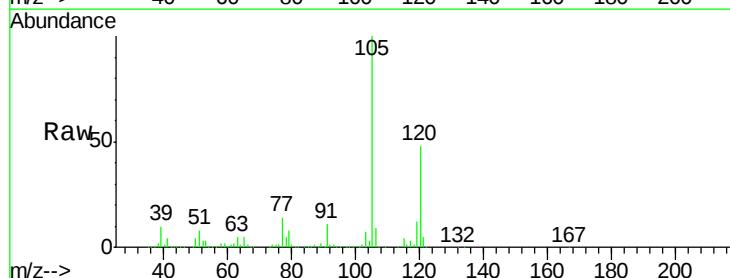
Manual Integrations
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#84
1,2,4-Trimethylbenzene
Concen: 67.419 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.00 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	688632		
120	48.4	24.9	74.6	





#85

sec-Butylbenzene

Concen: 67.565 ug/l

RT: 12.30 min Scan# 1183

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:105 Resp: 943461

Ion Ratio Lower Upper

105 100

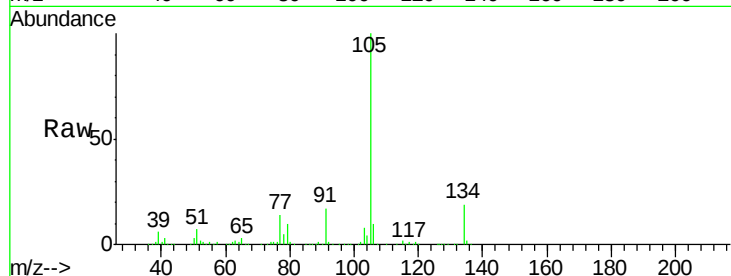
134 19.1 10.0 30.0

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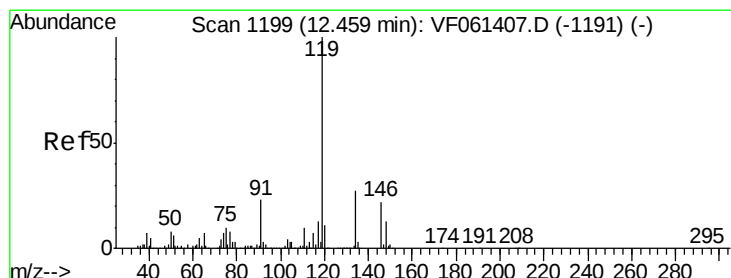
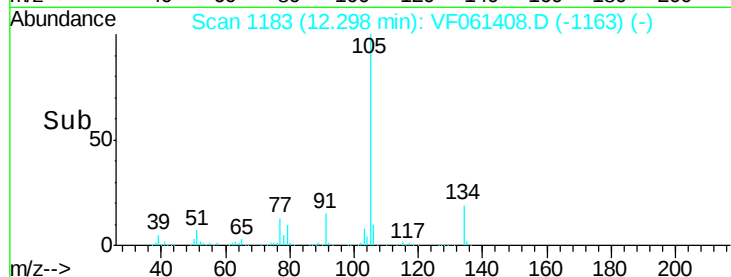
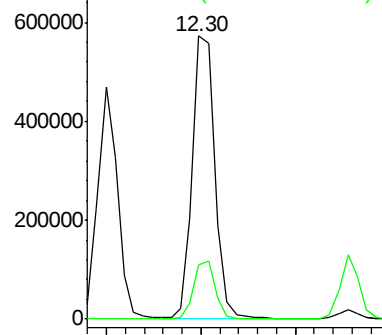
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 62.983 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VF061408.D

Acq: 15 Jan 2019 15:56

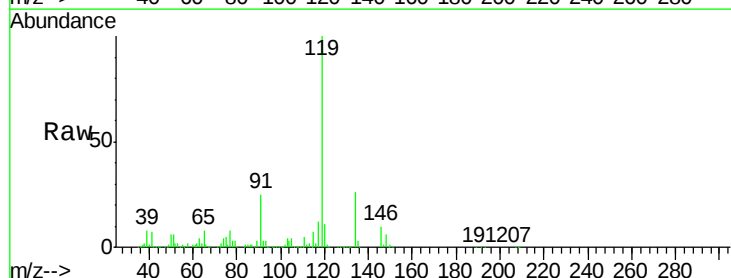
Tgt Ion:119 Resp: 732172

Ion Ratio Lower Upper

119 100

134 25.6 13.4 40.2

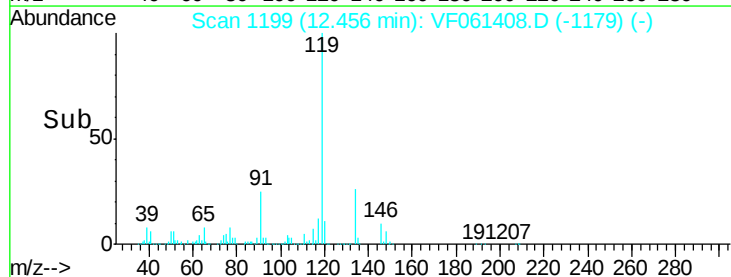
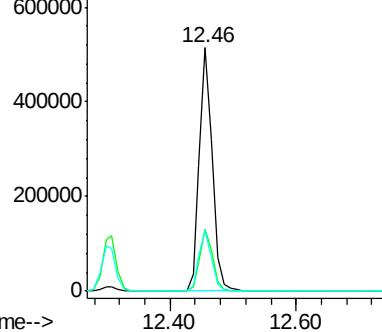
91 24.9 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





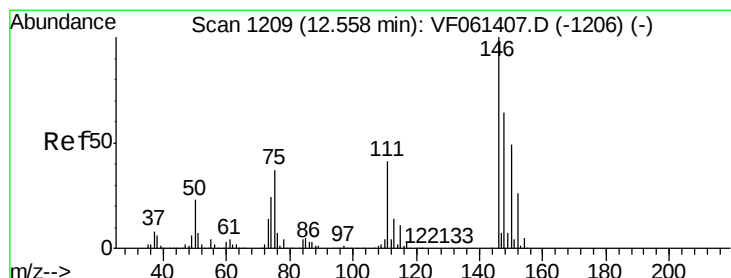
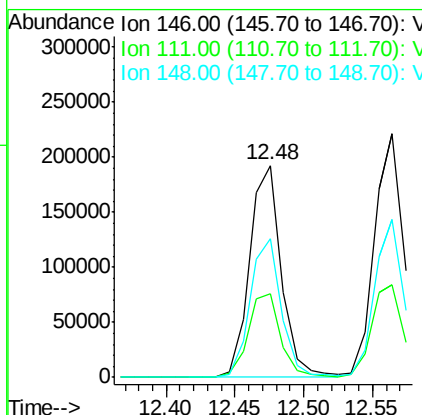
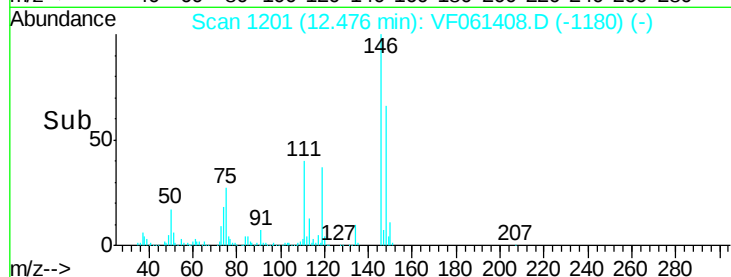
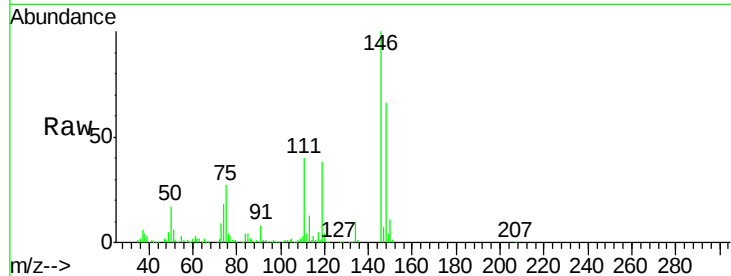
#87
 1,3-Dichlorobenzene
 Concen: 59.725 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061408.D
 Acq: 15 Jan 2019 15:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	21.1	63.4
148	65.5	32.9	98.6

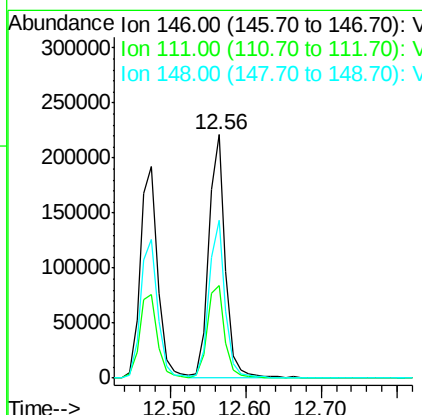
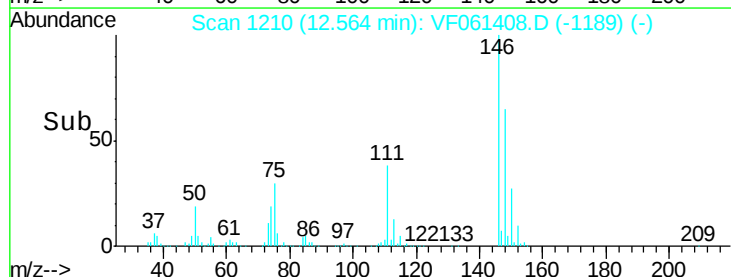
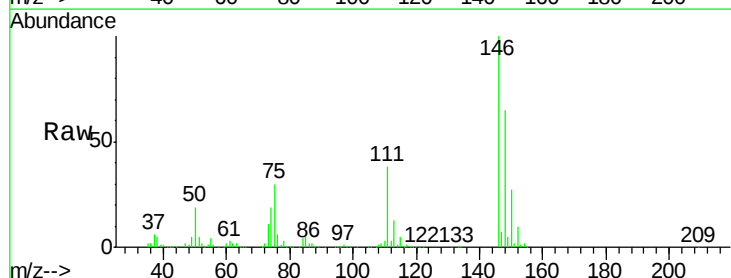
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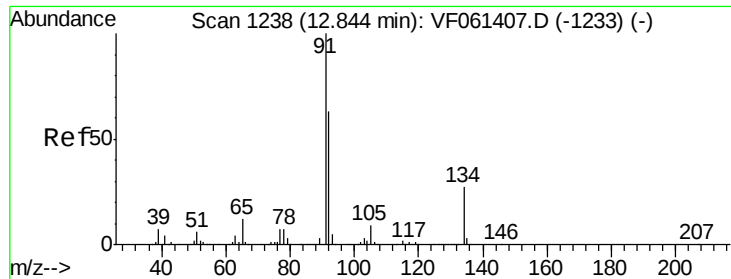
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#88
 1,4-Dichlorobenzene
 Concen: 71.515 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.01 min
 Lab File: VF061408.D
 Acq: 15 Jan 2019 15:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	20.8	62.2
148	65.0	32.1	96.5





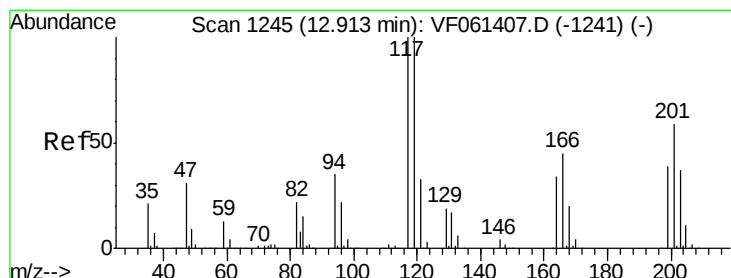
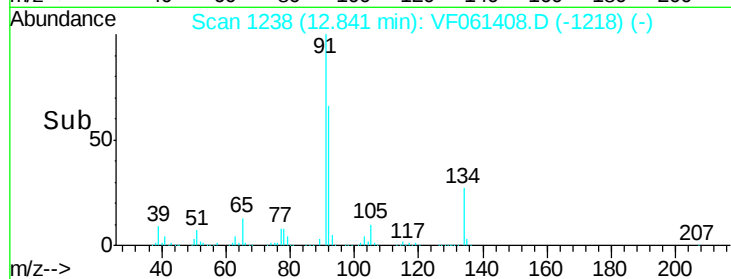
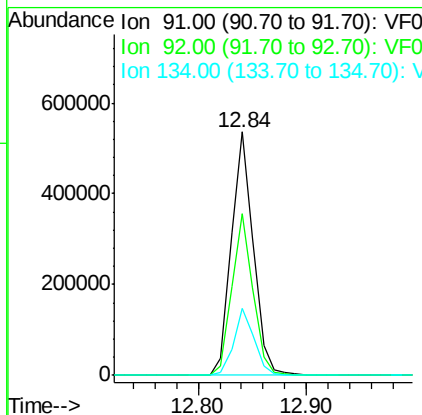
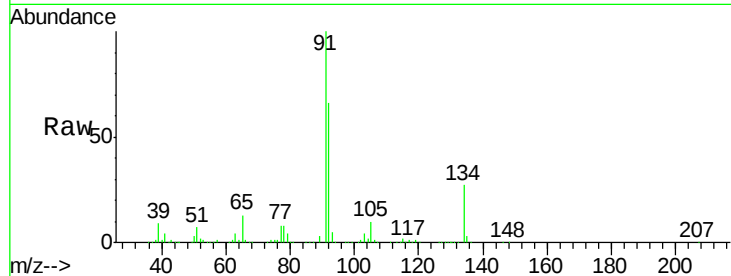
#89
n-Butylbenzene
Concen: 63.244 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. -0.00 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
91	100	759861		
92	66.2		31.6	94.7
134	27.3		13.6	40.8

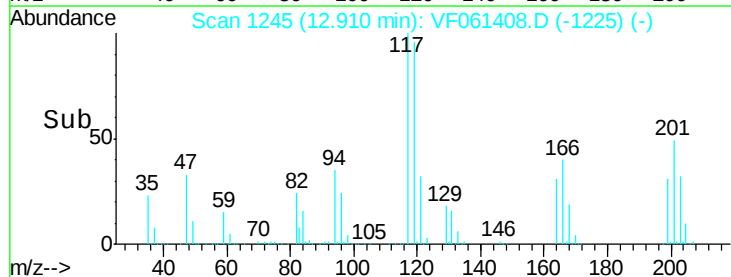
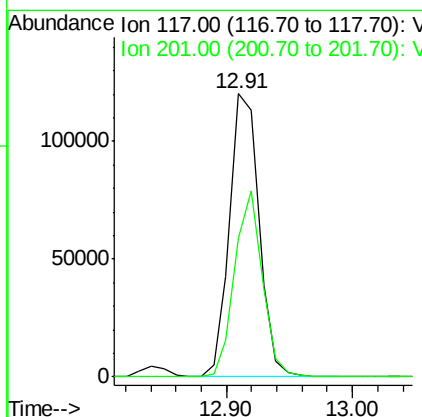
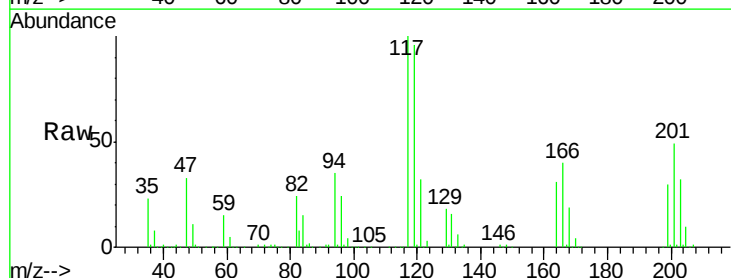
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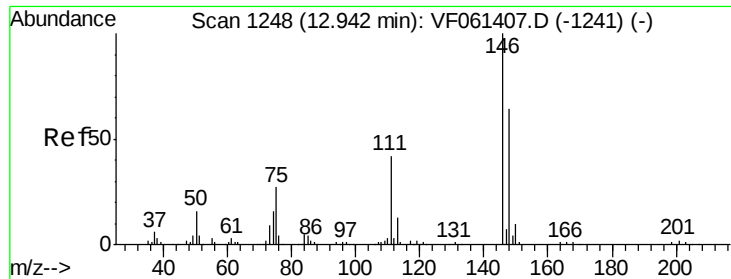
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#90
Hexachloroethane
Concen: 75.862 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. -0.00 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	194669		
201	49.2		29.3	87.8





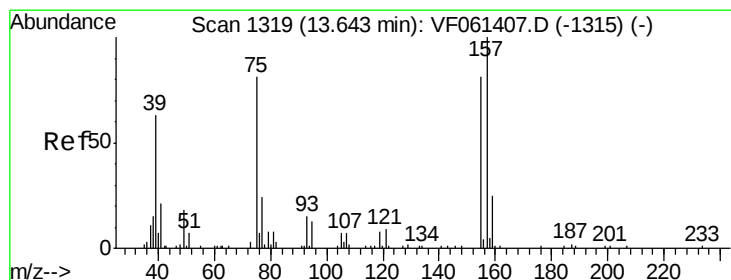
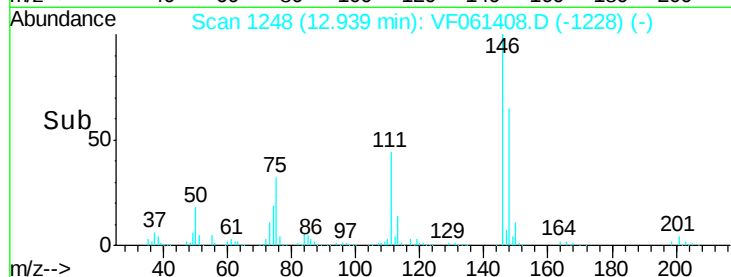
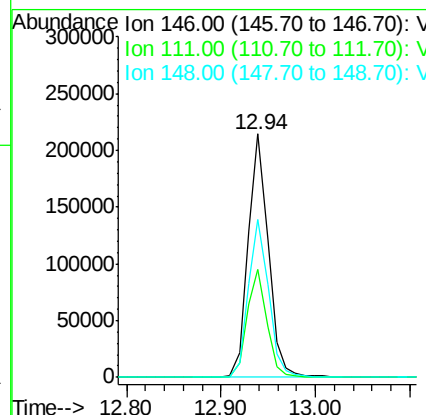
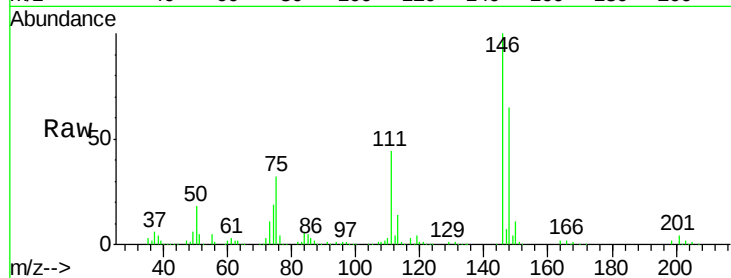
#91
 1,2-Dichlorobenzene
 Concen: 65.348 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061408.D
 Acq: 15 Jan 2019 15:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.1	63.3
148	64.7	31.9	95.7

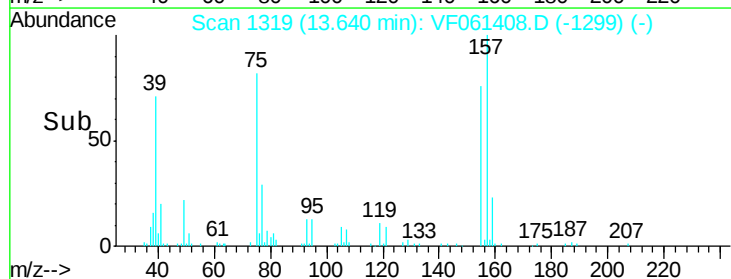
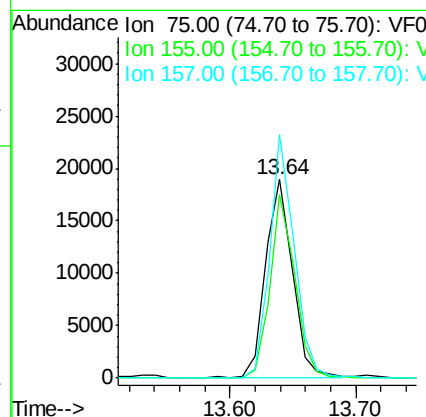
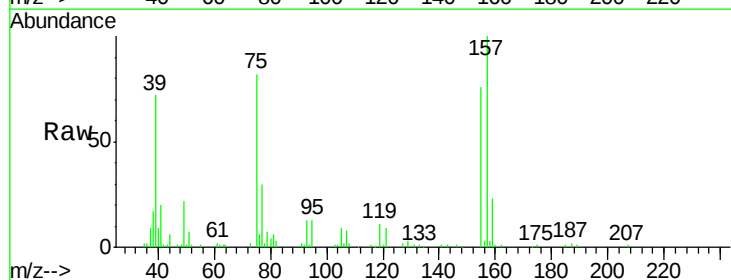
Manual Integrations
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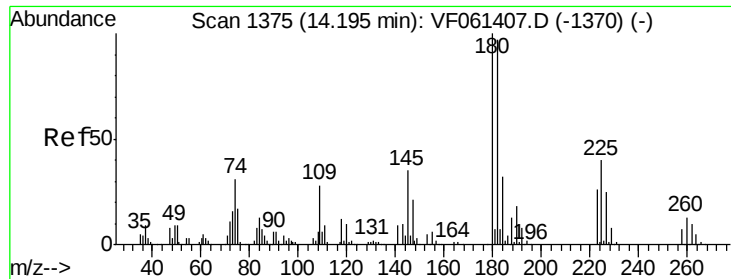
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 77.570 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061408.D
 Acq: 15 Jan 2019 15:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	49.7	149.1
157	122.5	61.4	184.1





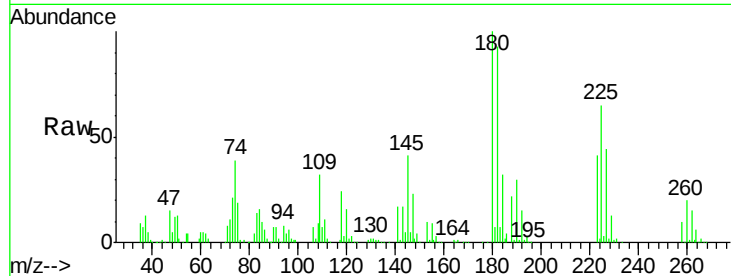
#93
 1,2,4-Trichlorobenzene
 Concen: 69.775 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061408.D
 Acq: 15 Jan 2019 15:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

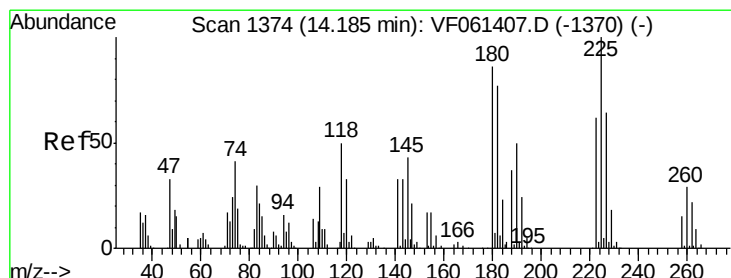
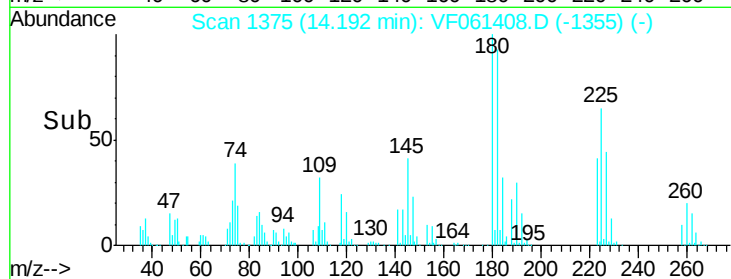
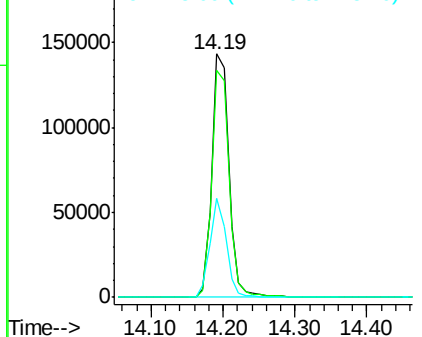
Tot Ion	Ratio	Resp	Lower	Upper
180	100	235533		
182	93.4	48.5	145.6	
145	40.5	17.5	52.6	

Manual Integrations
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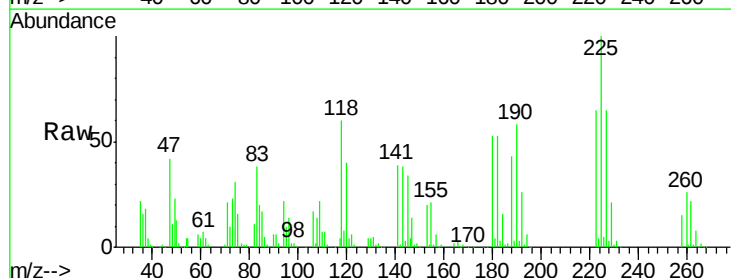


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

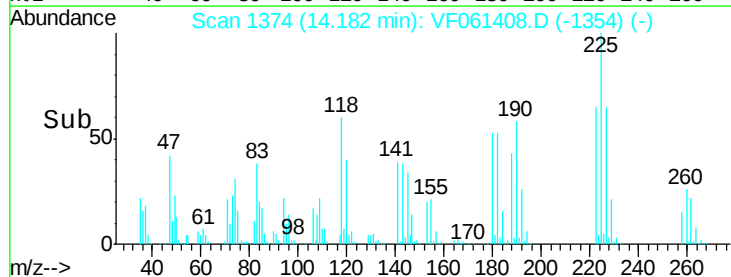
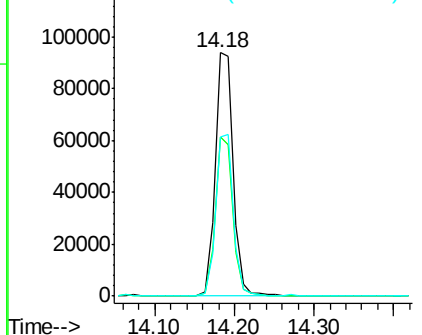


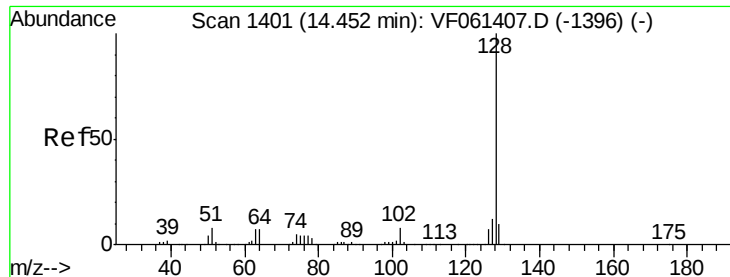
#94
 Hexachlorobutadiene
 Concen: 73.510 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VF061408.D
 Acq: 15 Jan 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	150257		
223	65.5	31.1	93.2	
227	65.5	32.2	96.6	



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





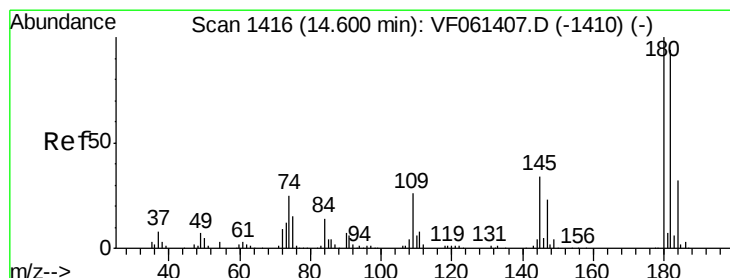
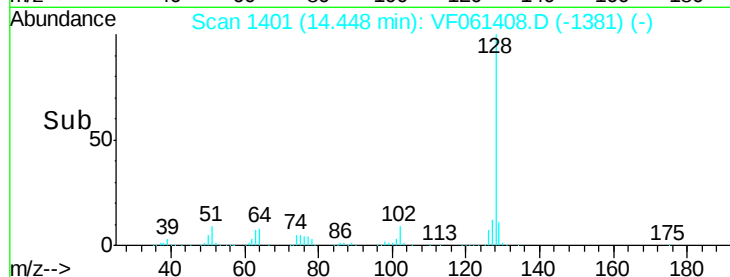
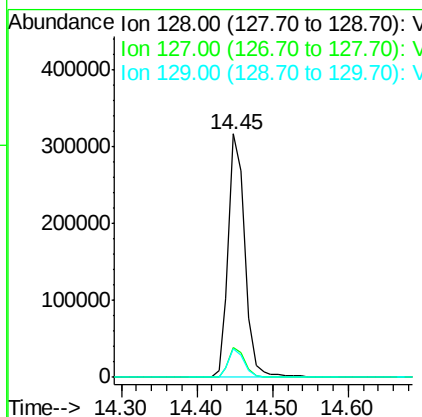
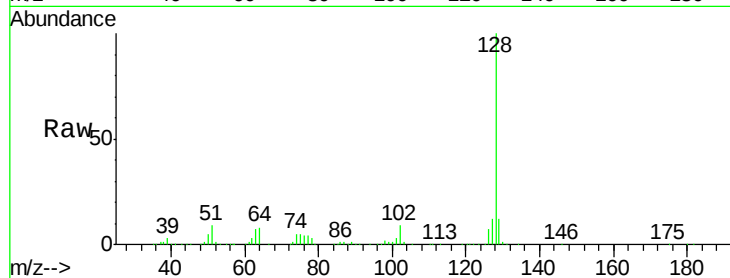
#95
Naphthalene
Concen: 80.248 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. -0.00 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
128	100	482171		
127	12.4		9.5	14.3
129	11.5		8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 75.223 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF061408.D
Acq: 15 Jan 2019 15:56

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	228082		
182	99.0		47.0	141.2
145	37.0		17.1	51.2

