

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011519\
 Data File : VF061407.D
 Acq On : 15 Jan 2019 15:27
 Operator : VA/AP
 Sample : VSTDICCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

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 1/16/2019 4:05:39 PM

Quant Time: Jan 16 03:55:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F011519S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:16:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	177935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	309331	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	290052	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	142560	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	112027	51.61	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.22%	
35) Dibromofluoromethane	4.10	113	124120	49.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.28%	
50) Toluene-d8	7.55	98	330684	48.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.84%	
62) 4-Bromofluorobenzene	11.40	95	155613	47.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.96	85	177186	50.246	ug/l	100
3) Chloromethane	1.10	50	118498	44.327	ug/l	100
4) Vinyl Chloride	1.13	62	106924	45.408	ug/l	100
5) Bromomethane	1.33	94	75676	46.935	ug/l	100
6) Chloroethane	1.39	64	53831	50.603	ug/l	100
7) Trichlorofluoromethane	1.48	101	212416m	45.306	ug/l	
8) Diethyl Ether	1.63	74	28030	47.681	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.84	101	100974	46.093	ug/l	100
10) Methyl Iodide	1.91	142	164637m	48.505	ug/l	
11) Tert butyl alcohol	2.56	59	22634	239.761	ug/l	100
12) 1,1-Dichloroethene	1.80	96	75616	46.463	ug/l	100
13) Acrolein	1.99	56	20028	228.080	ug/l	100
14) Allyl chloride	2.09	41	97427	33.280	ug/l	100
15) Acrylonitrile	2.93	53	53782	218.550	ug/l	100
16) Acetone	2.23	43	106332	226.875	ug/l	100
17) Carbon Disulfide	1.83	76	240999m	47.472	ug/l	
18) Methyl Acetate	2.34	43	40809	36.903	ug/l	100
19) Methyl tert-butyl Ether	2.43	73	177104	48.826	ug/l	100
20) Methylene Chloride	2.17	84	72719m	39.450	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	80106m	44.306	ug/l	
22) Diisopropyl ether	2.79	45	281906	49.512	ug/l	100
23) Vinyl Acetate	3.18	43	681618	314.653	ug/l	100
24) 1,1-Dichloroethane	2.86	63	174922	48.245	ug/l	100
25) 2-Butanone	4.32	43	178427	239.016	ug/l	100
26) 2,2-Dichloropropane	3.59	77	97255	41.638	ug/l	100
27) cis-1,2-Dichloroethene	3.46	96	128408	49.161	ug/l	100
28) Bromochloromethane	3.71	49	73871	43.767	ug/l	100
29) Tetrahydrofuran	4.06	42	80999	246.620	ug/l	100
30) Chloroform	3.85	83	241003	49.254	ug/l	100
31) Cyclohexane	3.68	56	168684m	45.592	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	146933	39.488	ug/l	100
36) 1,1-Dichloropropene	4.27	75	181912	49.591	ug/l	100
37) Ethyl Acetate	4.09	43	71715	48.150	ug/l	100
38) Carbon Tetrachloride	3.98	117	146504	36.865	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	177133	43.738	ug/l	100
40) Benzene	4.63	78	381753	45.891	ug/l	100
41) Methacrylonitrile	4.74	41	36512	46.541	ug/l	100
42) 1,2-Dichloroethane	4.93	62	149289	51.779	ug/l	100
43) Isopropyl Acetate	6.95	43	92294	51.824	ug/l	100
44) Trichloroethene	5.49	130	122899	48.092	ug/l	100
45) 1,2-Dichloropropane	6.22	63	109575	51.386	ug/l	100
46) Dibromomethane	6.08	93	73682	52.704	ug/l	100
47) Bromodichloromethane	6.37	83	176203	51.509	ug/l	100
48) Methyl methacrylate	6.71	41	62241	51.766	ug/l	100
49) 1,4-Dioxane	6.70	88	10109	1125.658	ug/l	100
51) 4-Methyl-2-Pentanone	8.25	43	330362	236.863	ug/l	100
52) Toluene	7.62	92	257968	46.700	ug/l	100
53) t-1,3-Dichloropropene	8.27	75	143938	52.158	ug/l	100
54) cis-1,3-Dichloropropene	7.29	75	189705	54.654	ug/l	100
55) 1,1,2-Trichloroethane	8.48	97	77557	51.659	ug/l	100
56) Ethyl methacrylate	8.61	69	88684	51.545	ug/l	100
57) 1,3-Dichloropropane	8.85	76	149010	53.505	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.29	63	47147	405.069	ug/l	100
59) 2-Hexanone	9.48	43	233143	240.146	ug/l	100
60) Dibromochloromethane	8.71	129	115719	54.232	ug/l	100
61) 1,2-Dibromoethane	8.98	107	89585	52.153	ug/l	100
64) Tetrachloroethene	8.15	164	113699	51.460	ug/l	100
65) Chlorobenzene	9.79	112	298310	48.531	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.92	131	117415	48.798	ug/l	100
67) Ethyl Benzene	9.89	91	521286	45.802	ug/l	100
68) m/p-Xylenes	10.12	106	379764	92.491	ug/l	100
69) o-Xylene	10.70	106	206680	47.127	ug/l	100
70) Styrene	10.78	104	268893	44.173	ug/l	100
71) Bromoform	10.76	173	55544	53.565	ug/l	100
73) Isopropylbenzene	11.12	105	611978	49.152	ug/l	100
74) N-amyl acetate	11.36	43	148002	51.756	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.69	83	105235	48.596	ug/l	100
76) 1,2,3-Trichloropropane	11.79	75	77141	49.559	ug/l	100
77) Bromobenzene	11.49	156	130805	51.469	ug/l	100
78) n-propylbenzene	11.59	91	705293	46.498	ug/l	100
79) 2-Chlorotoluene	11.71	91	407850	47.313	ug/l	100
80) 1,3,5-Trimethylbenzene	11.82	105	481852	48.482	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.87	75	36815m	44.827	ug/l	
82) 4-Chlorotoluene	11.90	91	414018	48.491	ug/l	100
83) tert-Butylbenzene	12.12	119	502611	48.633	ug/l	100
84) 1,2,4-Trimethylbenzene	12.20	105	483852	47.061	ug/l	100
85) sec-Butylbenzene	12.30	105	693611	49.348	ug/l	100
86) p-Isopropyltoluene	12.46	119	548111	46.842	ug/l	100
87) 1,3-Dichlorobenzene	12.47	146	235930	45.158	ug/l	100
88) 1,4-Dichlorobenzene	12.56	146	241645	50.490	ug/l	100
89) n-Butylbenzene	12.84	91	566415	46.835	ug/l	100
90) Hexachloroethane	12.91	117	133798	51.800	ug/l	100
91) 1,2-Dichlorobenzene	12.94	146	237924	48.870	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.64	75	19795	53.926	ug/l	100

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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)
93) 1,2,4-Trichlorobenzene	14.20	180	166974	49.142	ug/l	100
94) Hexachlorobutadiene	14.19	225	104425	50.754	ug/l	100
95) Naphthalene	14.45	128	330614	54.665	ug/l	100
96) 1,2,3-Trichlorobenzene	14.60	180	157836	51.716	ug/l	100

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

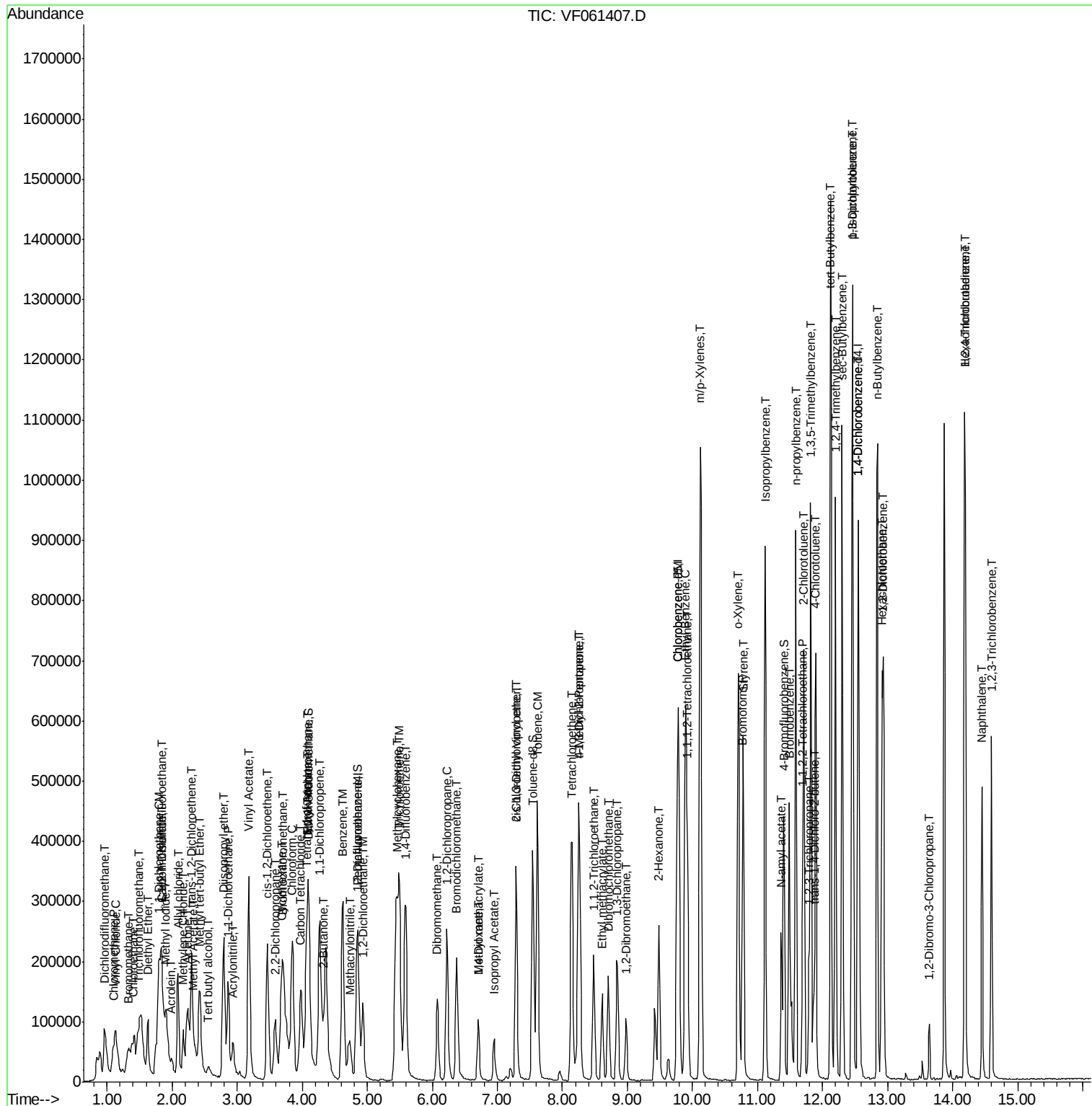
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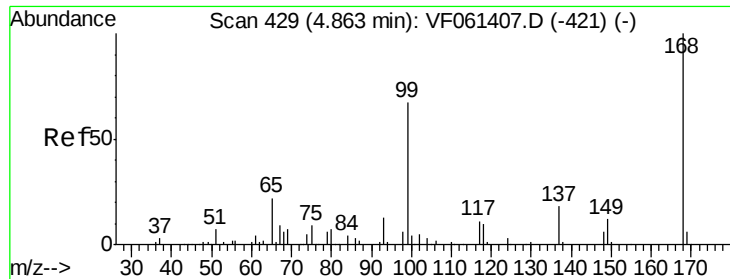
Instrument :
MSVOA_F
ClientSampleId :
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 177935

Ion Ratio Lower Upper

168 100

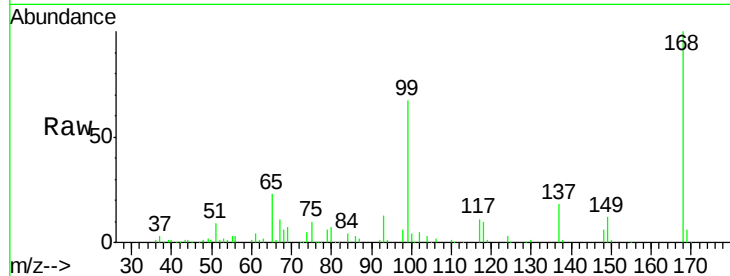
99 66.9 53.5 80.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

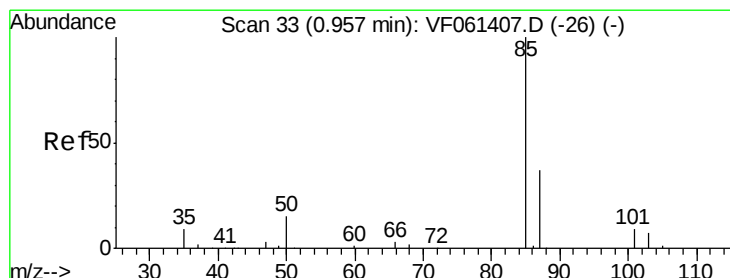
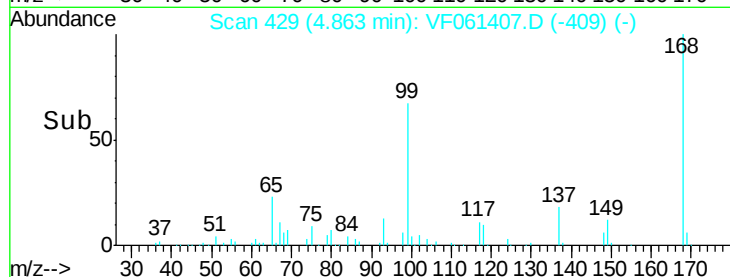
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.246 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061407.D

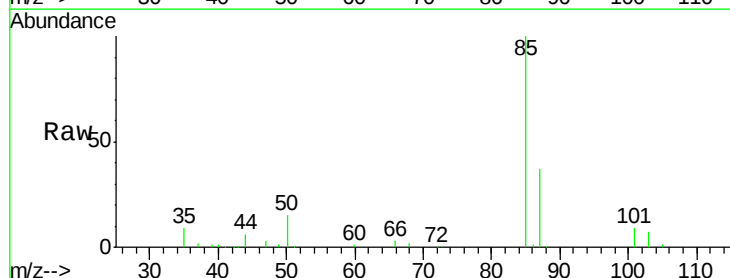
Acq: 15 Jan 2019 15:27

Tgt Ion: 85 Resp: 177186

Ion Ratio Lower Upper

85 100

87 36.7 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

50000

40000

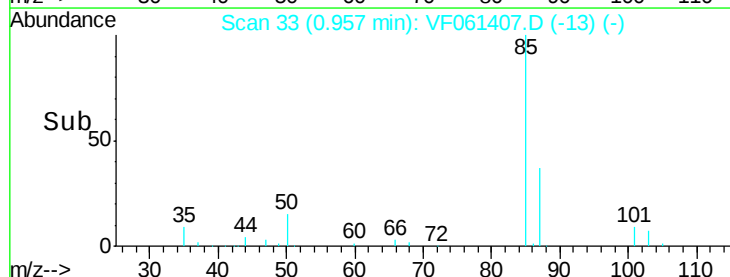
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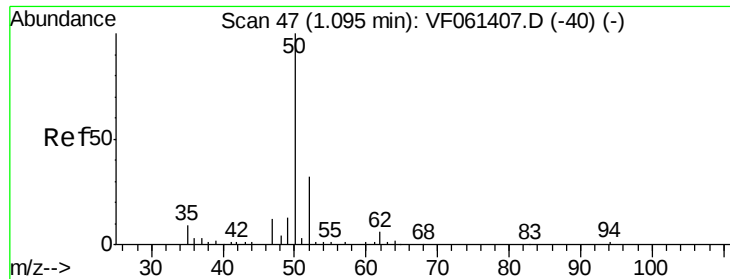
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10000

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Time-->





#3

Chloromethane

Concen: 44.327 ug/l

RT: 1.10 min Scan# 47

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 118498

Ion Ratio Lower Upper

50 100

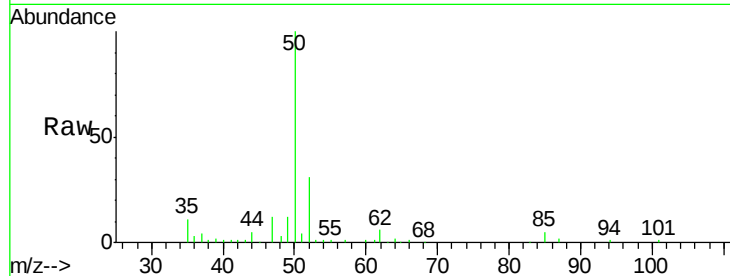
52 30.7 24.6 36.8

Manual Integrations

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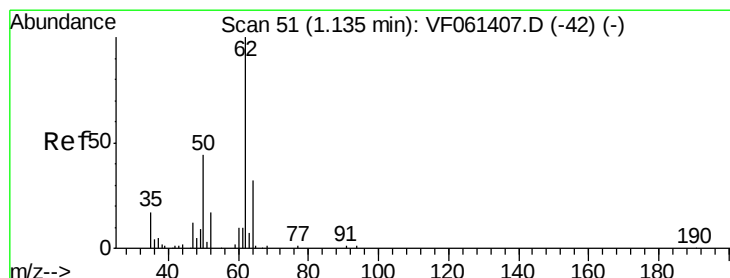
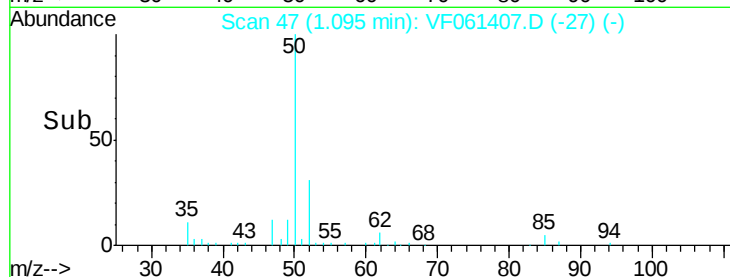
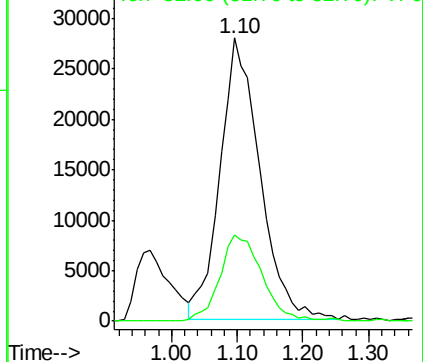
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 45.408 ug/l

RT: 1.13 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061407.D

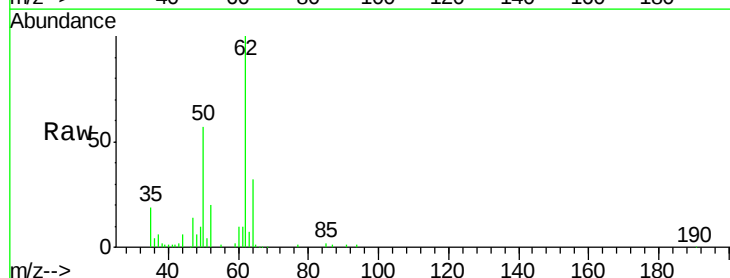
Acq: 15 Jan 2019 15:27

Tgt Ion: 62 Resp: 106924

Ion Ratio Lower Upper

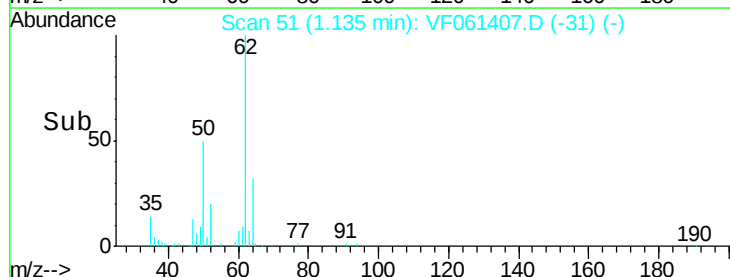
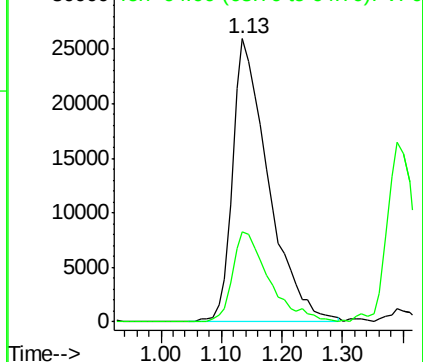
62 100

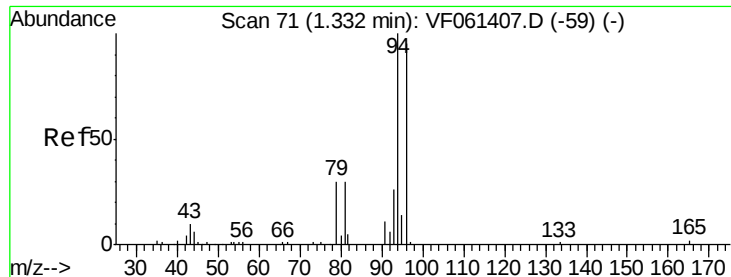
64 32.0 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 46.935 ug/l

RT: 1.33 min Scan# 71

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 75676

Ion Ratio Lower Upper

94 100

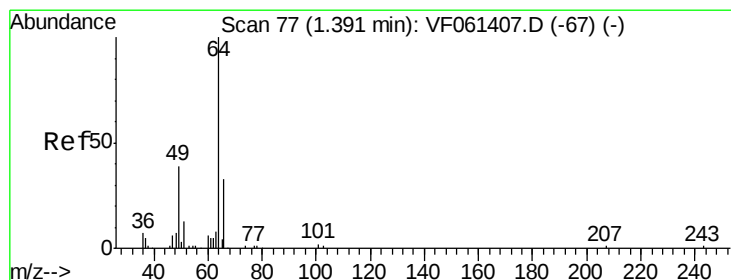
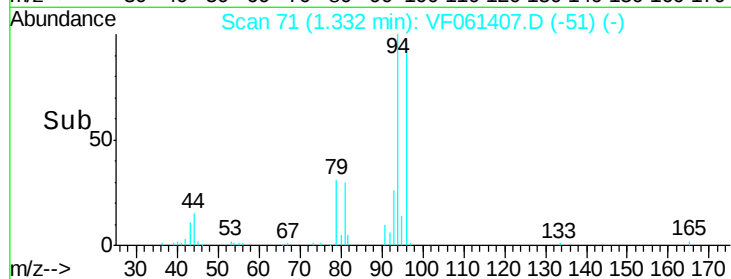
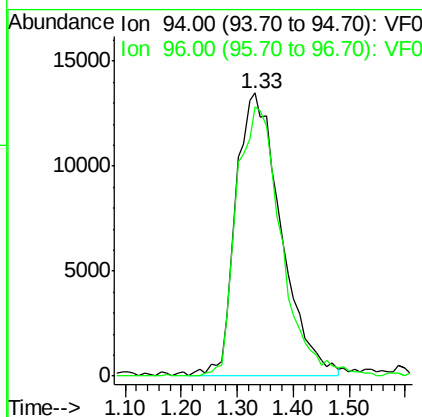
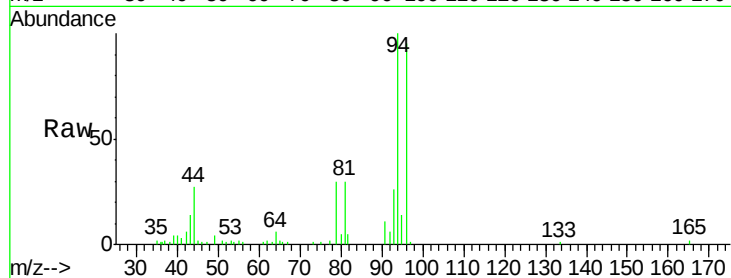
96 95.0 76.0 114.0

Manual Integrations

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#6

Chloroethane

Concen: 50.603 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF061407.D

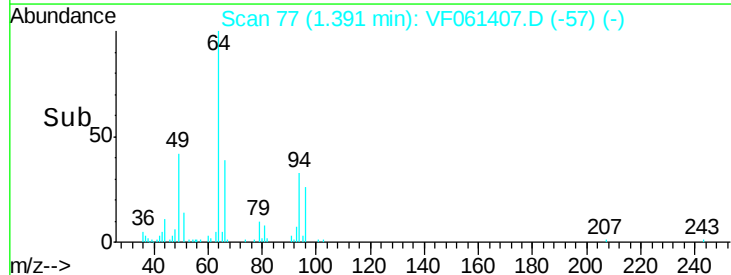
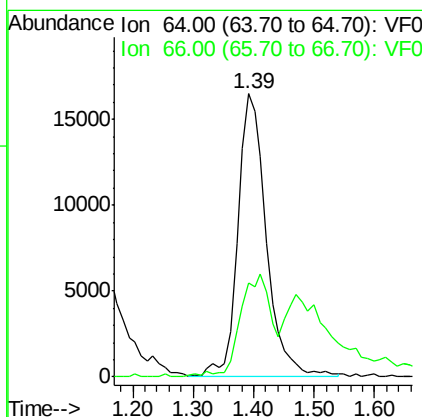
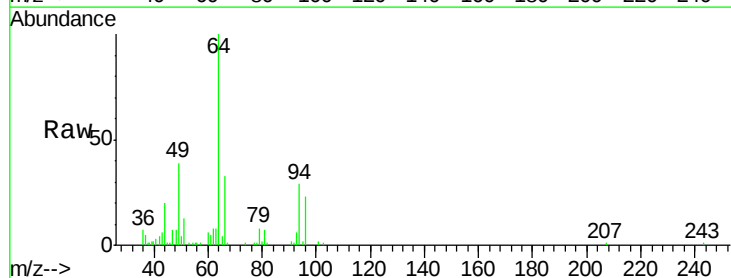
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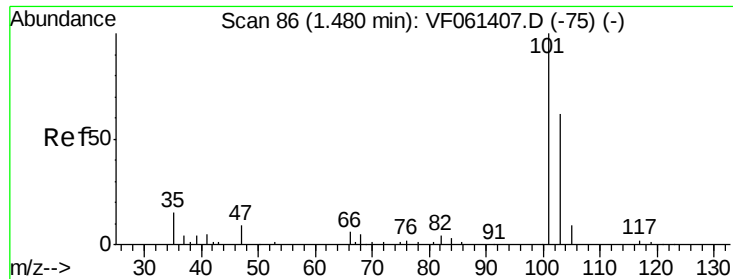
Tgt Ion: 64 Resp: 53831

Ion Ratio Lower Upper

64 100

66 33.3 26.6 40.0





#7

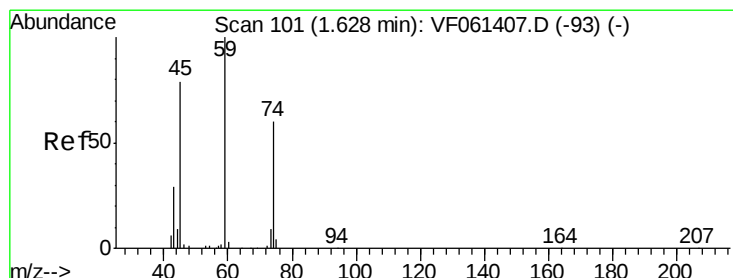
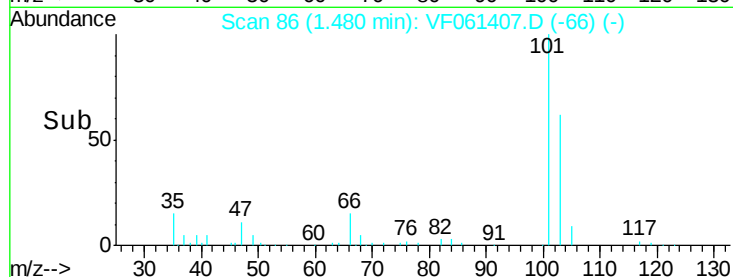
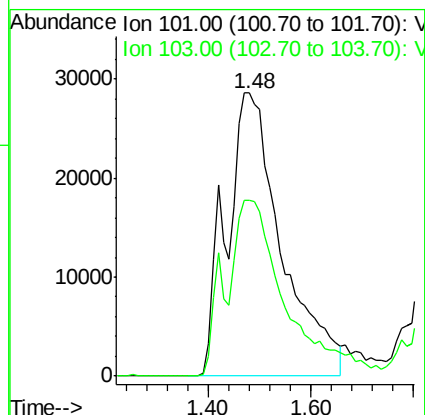
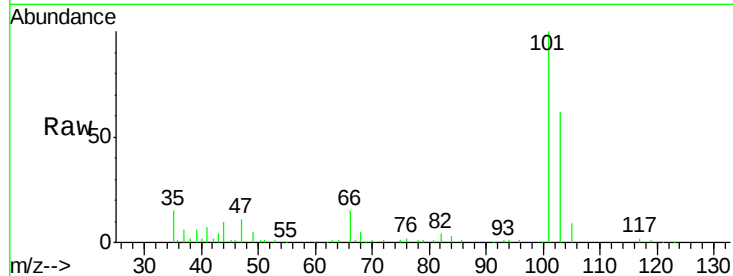
Trichlorofluoromethane
Concen: 45.306 ug/l
RT: 1.48 min Scan# 86
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	49.7	74.5

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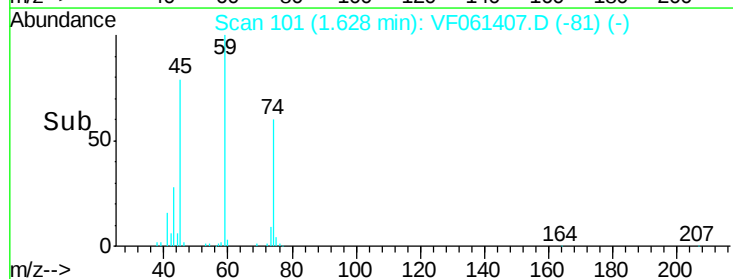
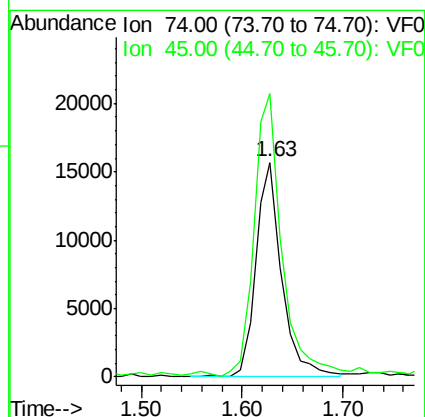
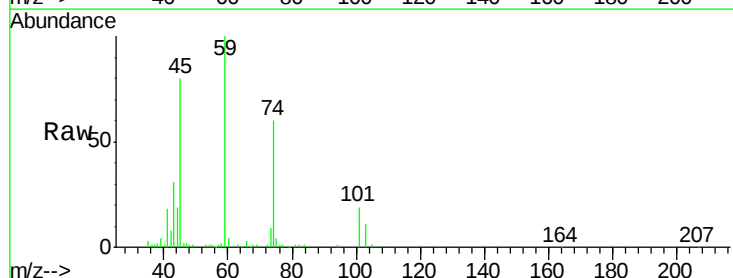
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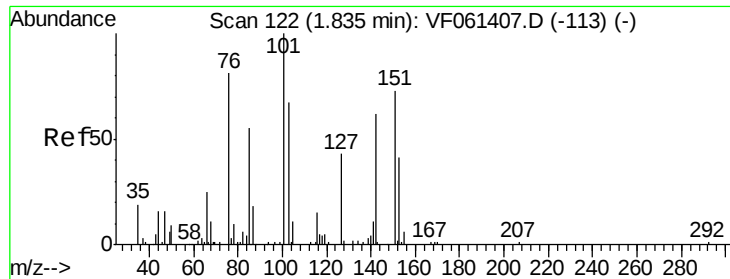


#8

Diethyl Ether
Concen: 47.681 ug/l
RT: 1.63 min Scan# 101
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	131.7	65.8	197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.093 ug/l

RT: 1.84 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

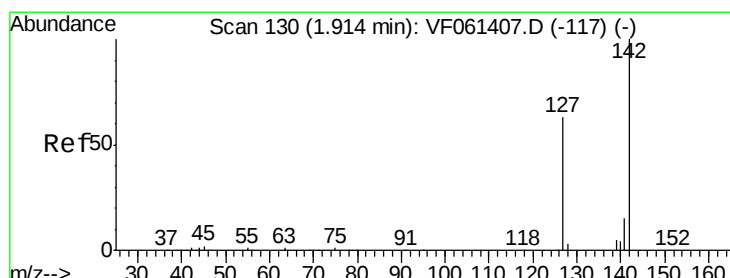
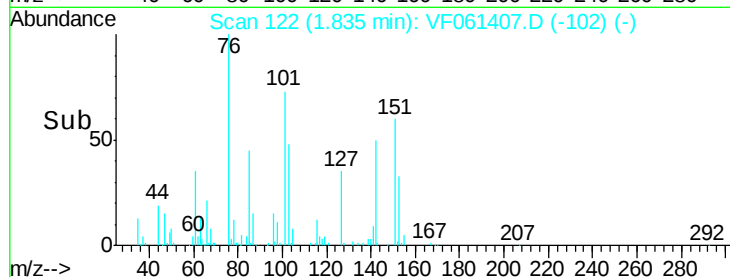
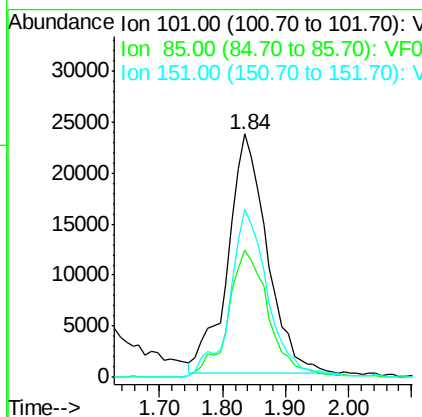
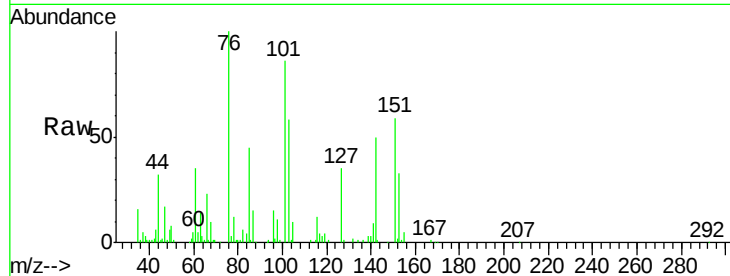
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	100974
Ion Ratio	Lower	Upper	
101	100		
85	52.4	41.9	62.9
151	68.9	55.1	82.7

Manual Integrations
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#10

Methyl Iodide

Concen: 48.505 ug/l m

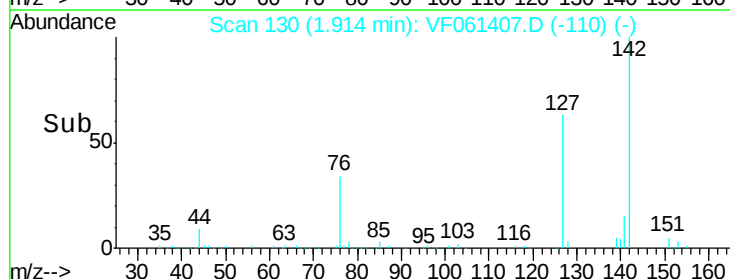
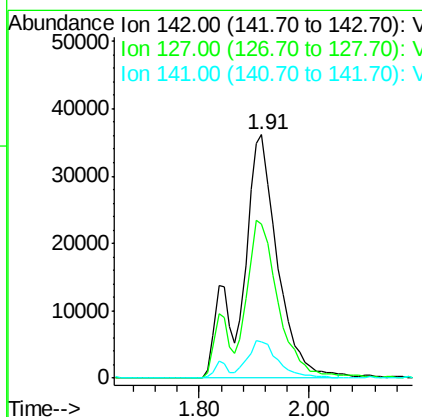
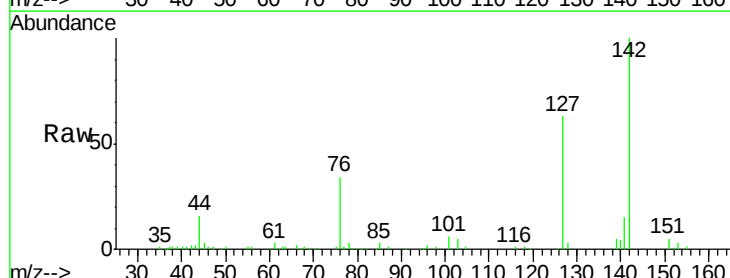
RT: 1.91 min Scan# 130

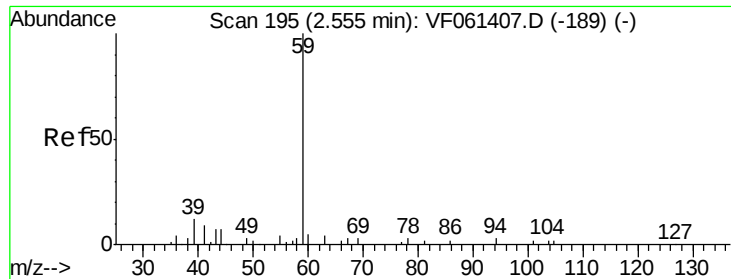
Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Tgt Ion:	142	Resp:	164637
Ion Ratio	Lower	Upper	
142	100		
127	63.4	50.7	76.1
141	14.7	11.8	17.6





#11

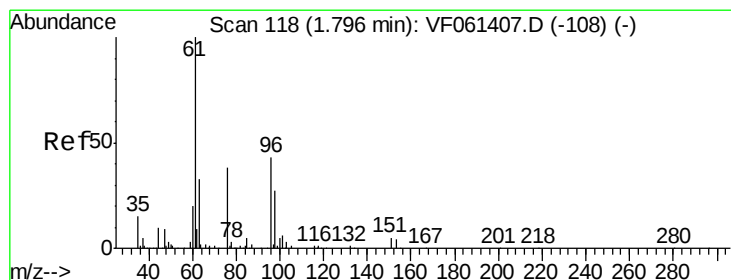
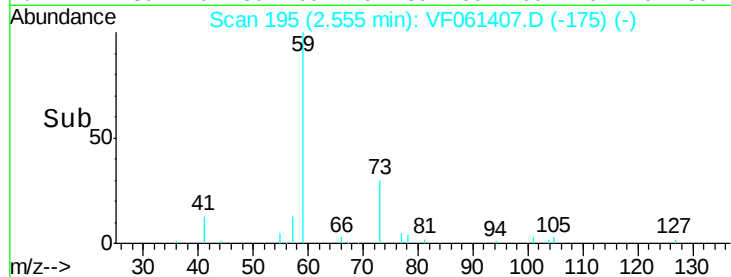
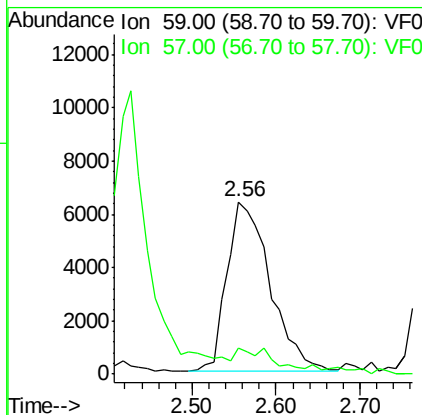
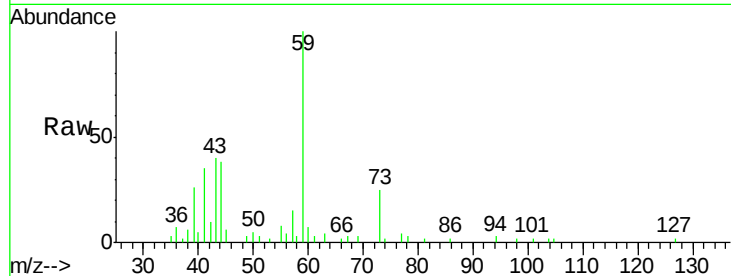
Tert butyl alcohol
 Concen: 239.761 ug/l
 RT: 2.56 min Scan# 195
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	59	Resp	22634
Ion Ratio	100	Lower	Upper
57	14.9	11.9	17.9

Manual Integrations
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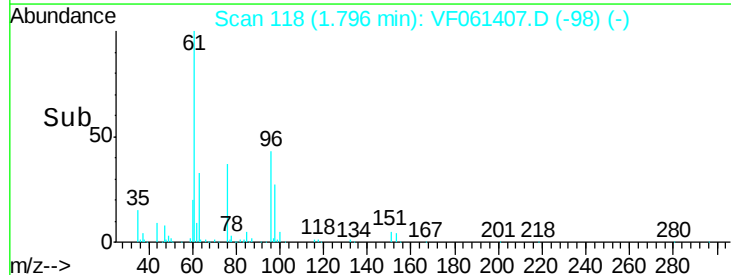
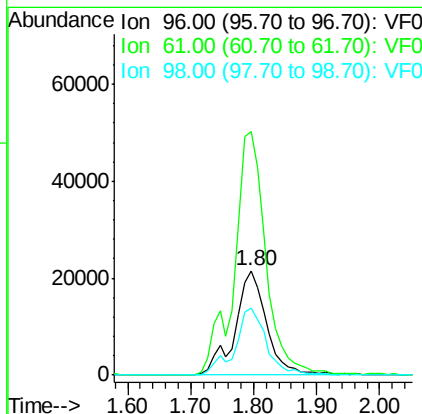
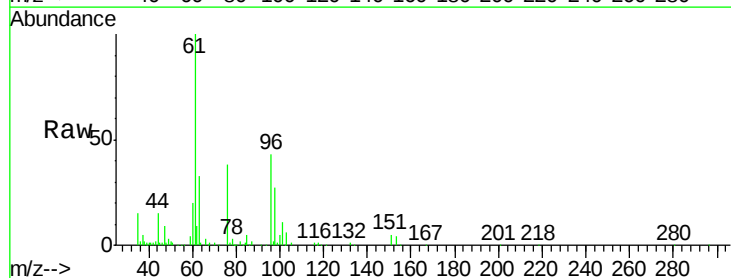
apatel
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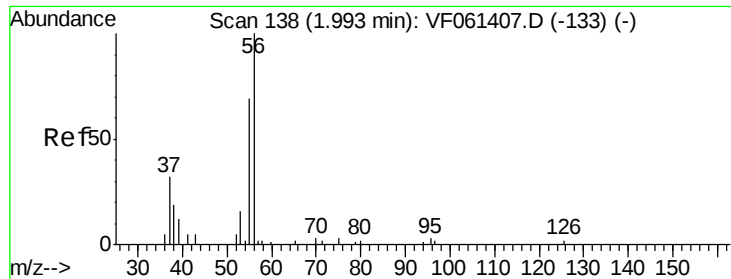


#12

1,1-Dichloroethene
 Concen: 46.463 ug/l
 RT: 1.80 min Scan# 118
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Tgt Ion	96	Resp	75616
Ion Ratio	100	Lower	Upper
61	233.6	186.9	280.3
98	66.2	53.0	79.4





#13

Acrolein

Concen: 228.080 ug/l

RT: 1.99 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 20028

Ion Ratio Lower Upper

56 100

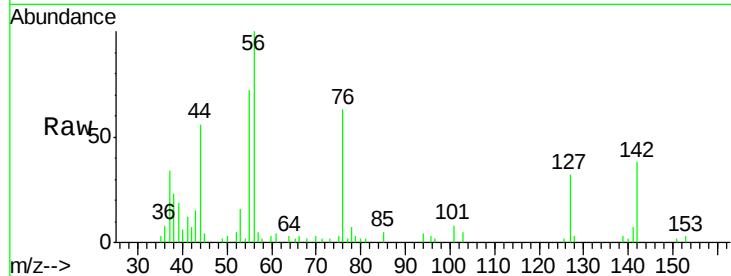
55 71.9 57.5 86.3

Manual Integrations

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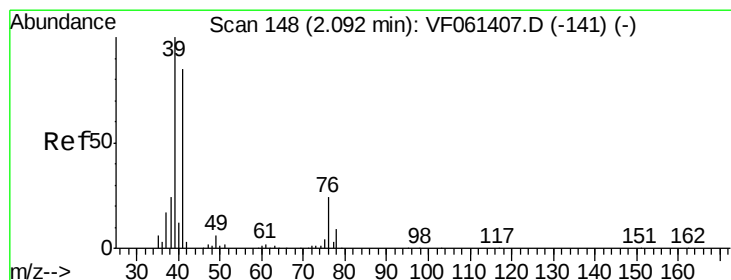
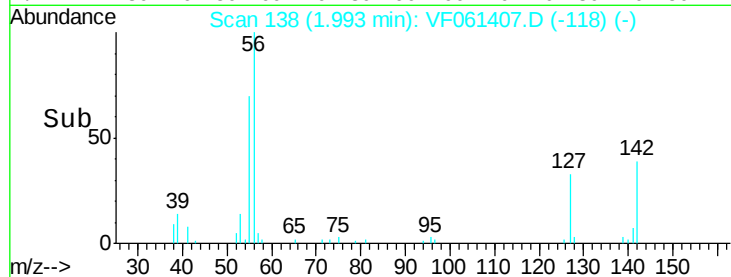
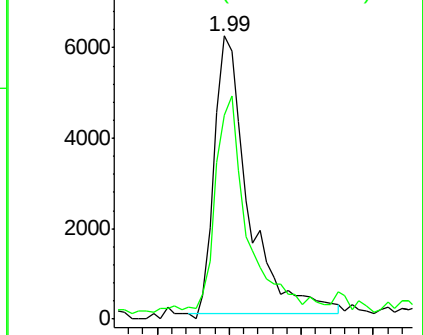
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 33.280 ug/l

RT: 2.09 min Scan# 148

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

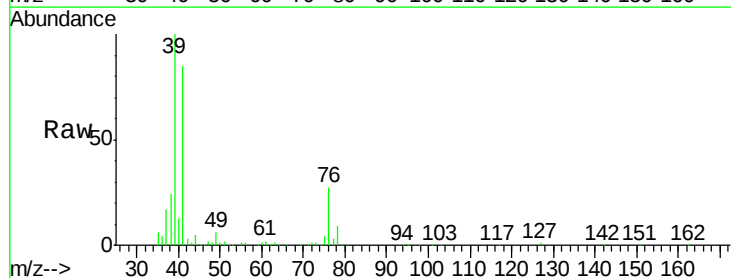
Tgt Ion: 41 Resp: 97427

Ion Ratio Lower Upper

41 100

39 118.2 94.6 141.8

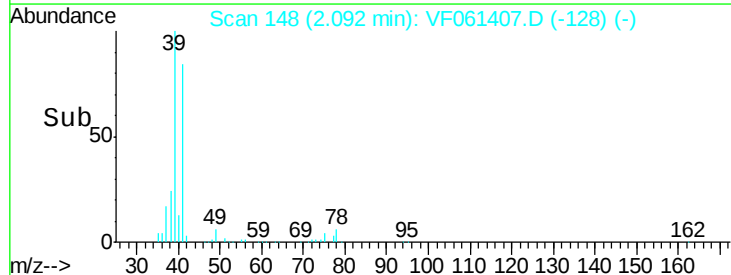
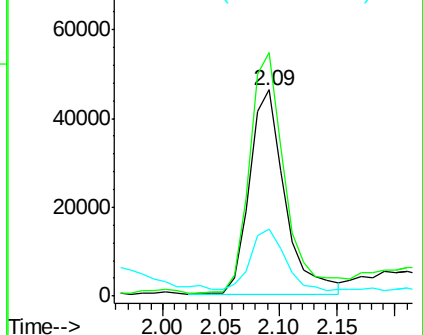
76 32.4 25.9 38.9

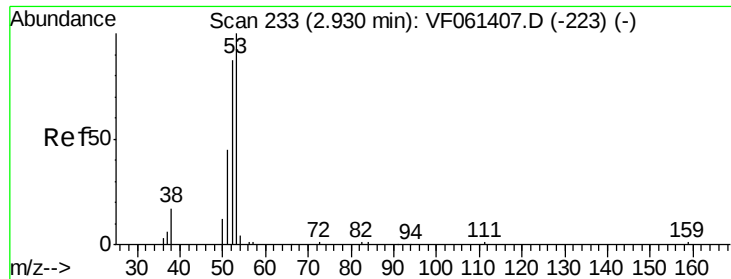


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 218.550 ug/l

RT: 2.93 min Scan# 233

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

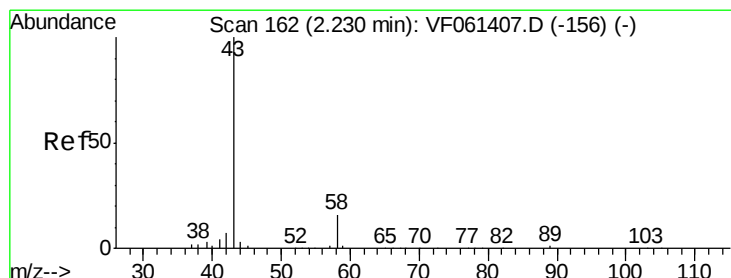
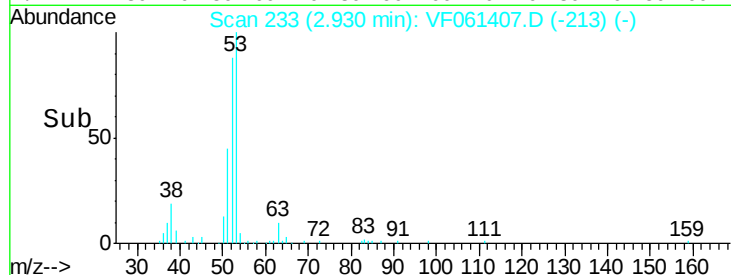
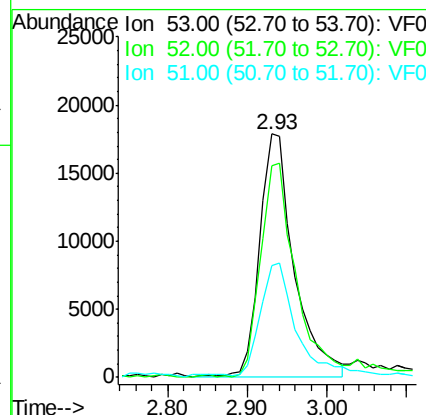
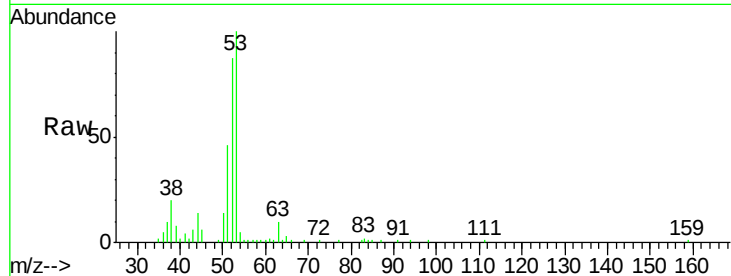
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	53782
Ion	Ratio	Lower	Upper
53	100		
52	87.0	69.6	104.4
51	46.0	36.8	55.2

Manual Integrations
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#16

Acetone

Concen: 226.875 ug/l

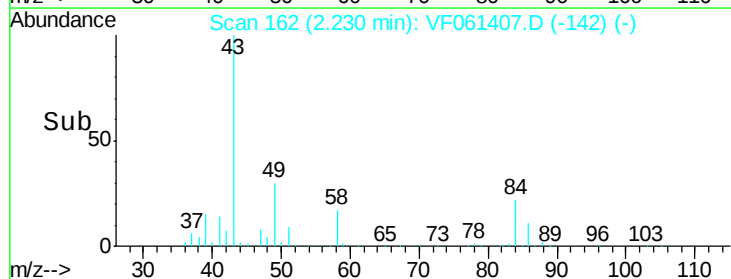
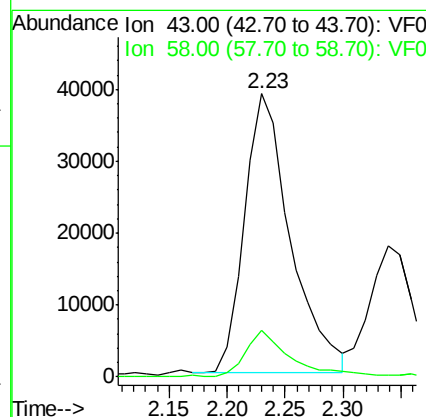
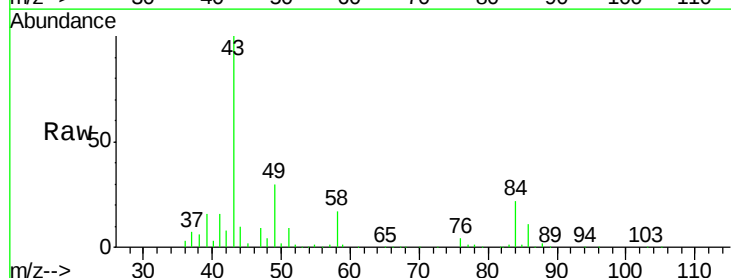
RT: 2.23 min Scan# 162

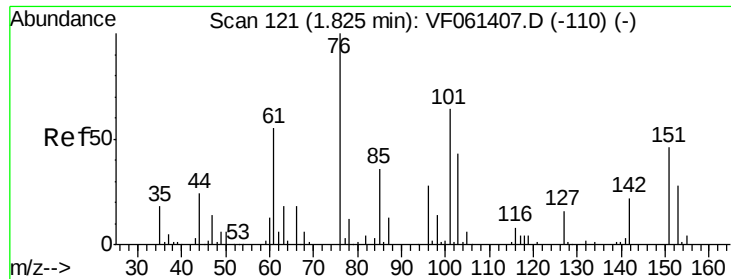
Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Tgt Ion:	43	Resp:	106332
Ion	Ratio	Lower	Upper
43	100		
58	16.6	13.3	19.9





#17

Carbon Disulfide

Concen: 47.472 ug/l m

RT: 1.83 min Scan# 121

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Tot Ion: 76 Resp: 240999

Ion Ratio Lower Upper

76 100

78 12.0 9.6 14.4

Instrument :

MSVOA_F

ClientSampleId :

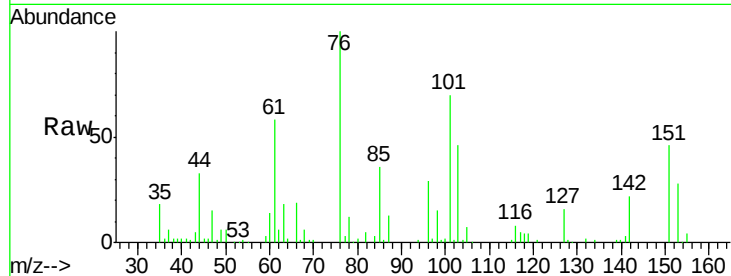
VSTDICCC050

Manual Integrations

APPROVED

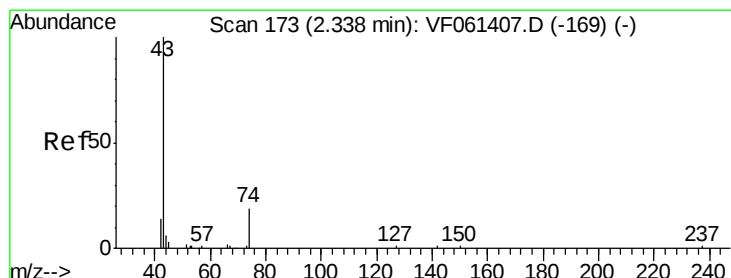
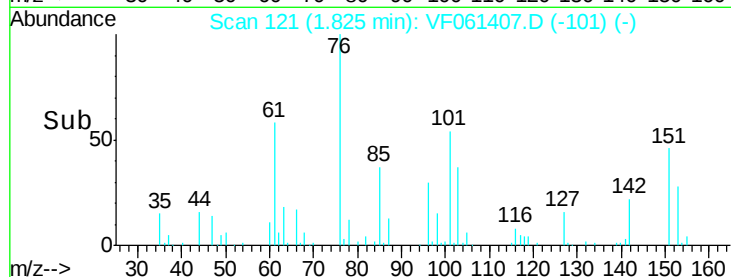
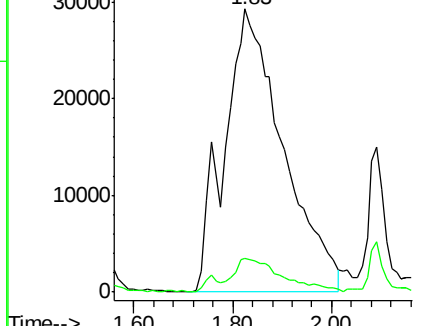
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 36.903 ug/l

RT: 2.34 min Scan# 173

Delta R.T. 0.00 min

Lab File: VF061407.D

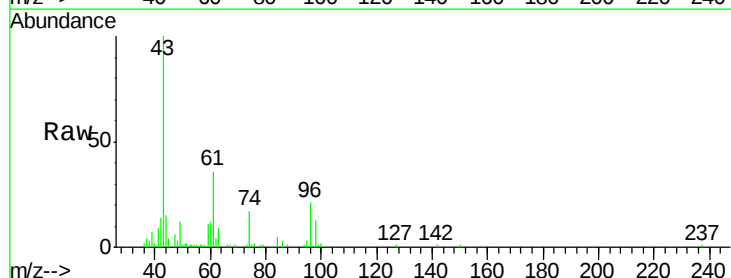
Acq: 15 Jan 2019 15:27

Tgt Ion: 43 Resp: 40809

Ion Ratio Lower Upper

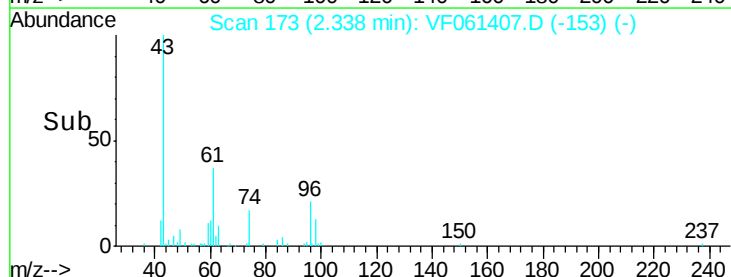
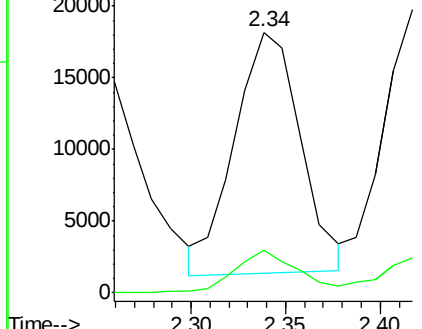
43 100

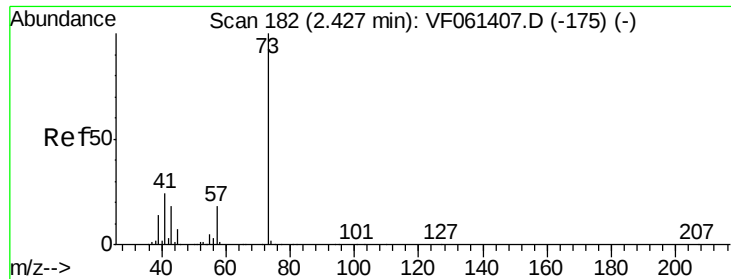
74 16.7 13.4 20.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





#19

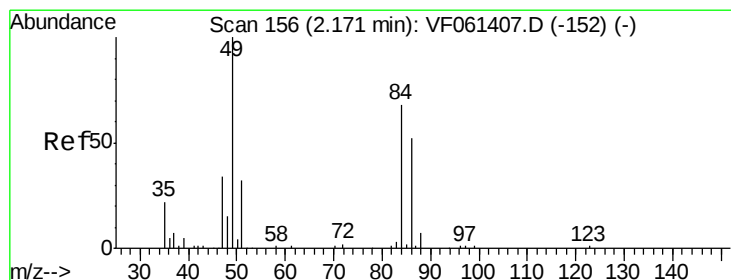
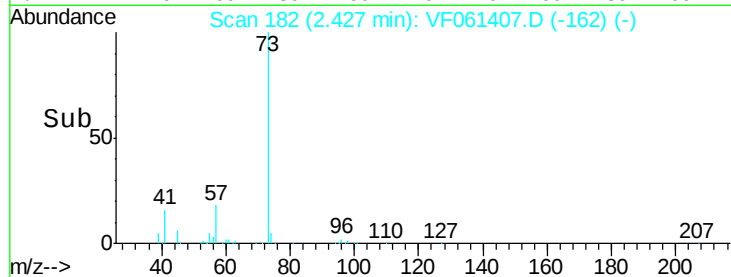
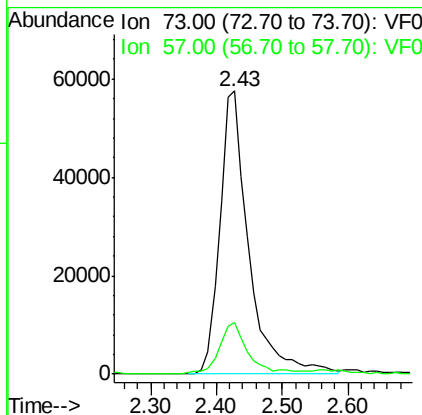
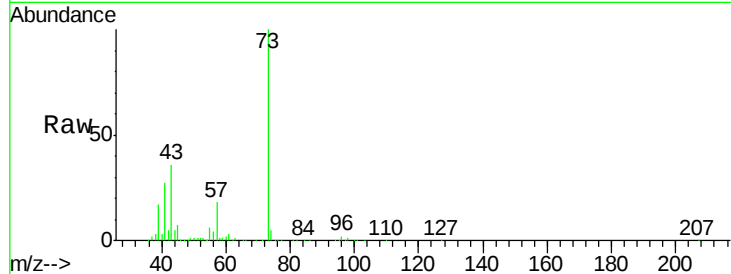
Methyl tert-butyl Ether
 Concen: 48.826 ug/l
 RT: 2.43 min Scan# 182
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	73	Resp	177104
Ion Ratio	Lower	Upper	
73	100		
57	18.5	14.8	22.2

Manual Integrations
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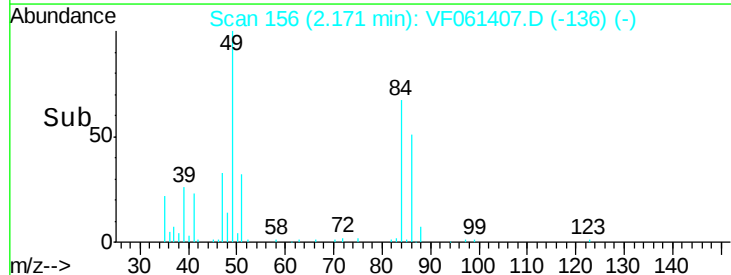
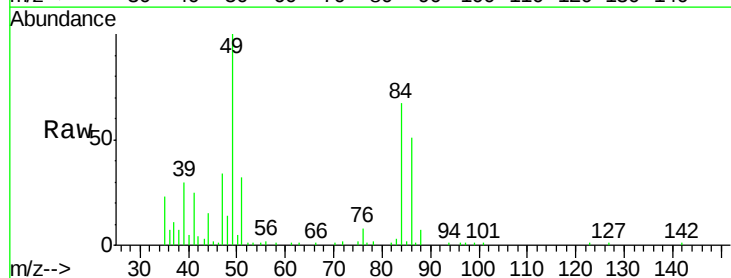
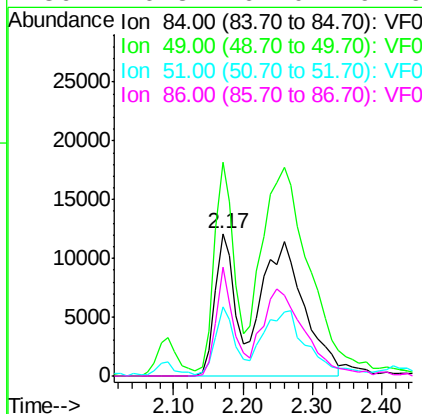
apatel
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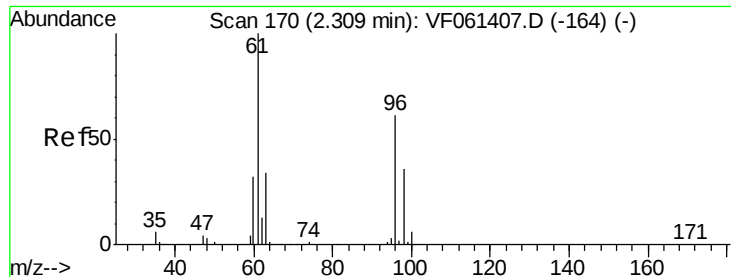


#20

Methylene Chloride
 Concen: 39.450 ug/l m
 RT: 2.17 min Scan# 156
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Tgt Ion	84	Resp	72719
Ion Ratio	Lower	Upper	
84	100		
49	150.0	120.0	180.0
51	48.3	38.6	58.0
86	76.3	61.0	91.6





#21

trans-1,2-Dichloroethene

Concen: 44.306 ug/l m

RT: 2.31 min Scan# 170

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

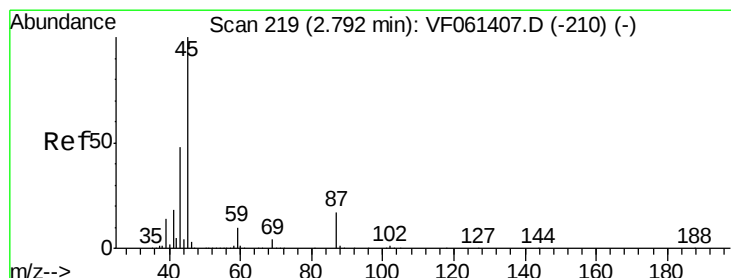
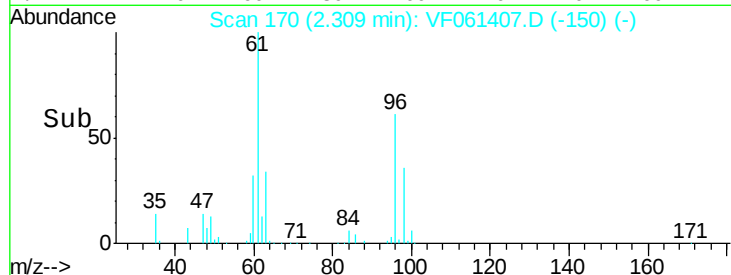
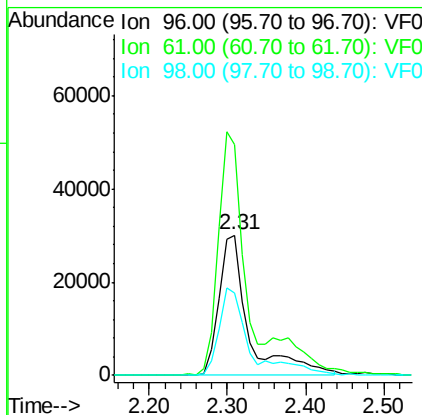
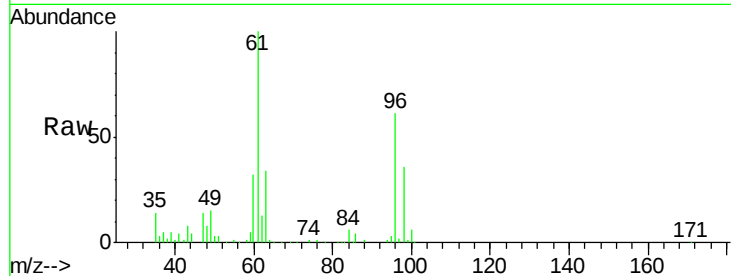
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	80106
Ion	Ratio	Lower	Upper
96	100		
61	164.8	131.8	197.8
98	59.2	47.4	71.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.512 ug/l

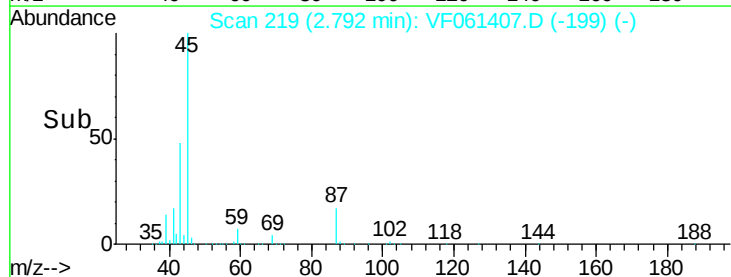
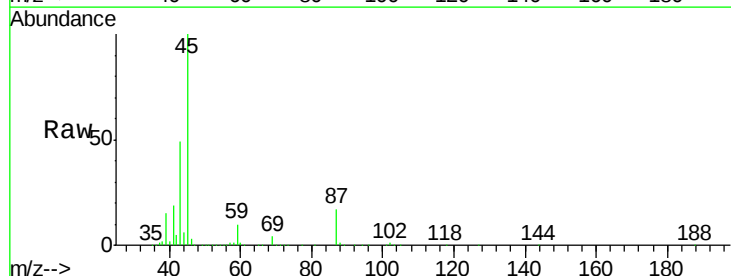
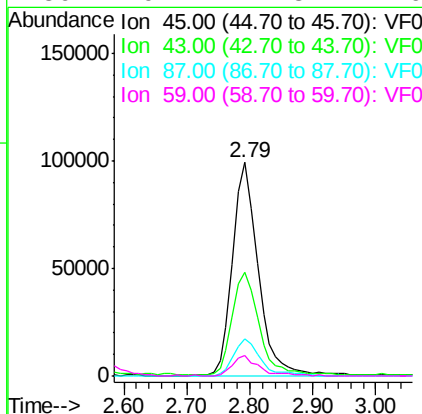
RT: 2.79 min Scan# 219

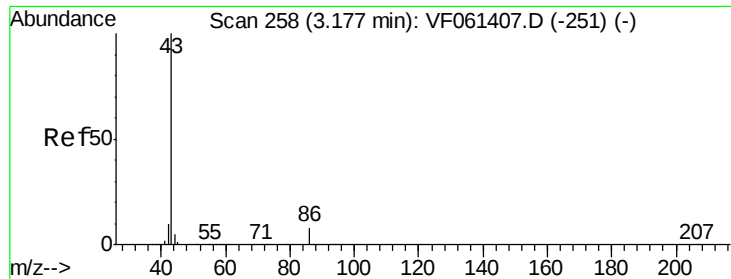
Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Tgt Ion:	45	Resp:	281906
Ion	Ratio	Lower	Upper
45	100		
43	48.8	39.0	58.6
87	17.4	13.9	20.9
59	9.7	7.8	11.6





#23

Vinyl Acetate

Concen: 314.653 ug/l

RT: 3.18 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 681618

Ion Ratio Lower Upper

43 100

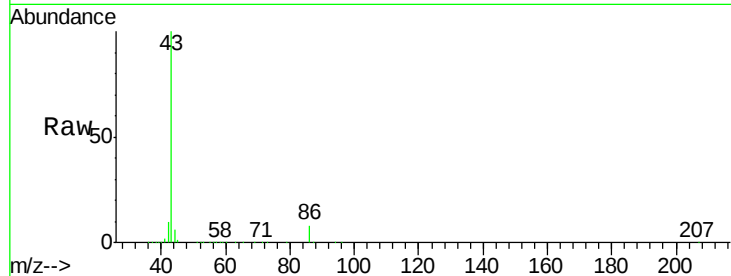
86 7.8 6.2 9.4

Manual Integrations

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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

250000

200000

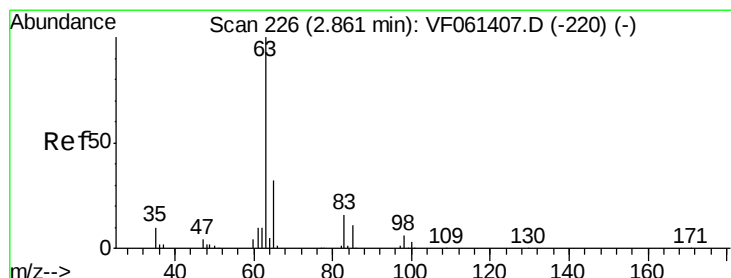
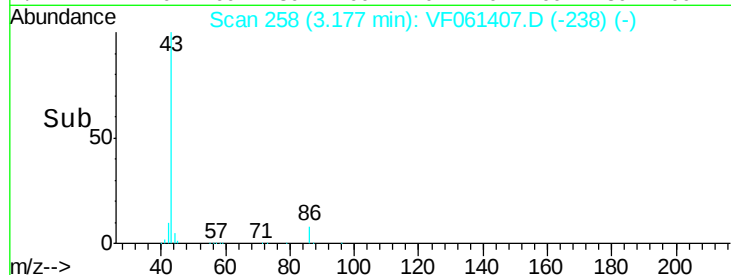
150000

100000

50000

0

Time--> 3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 48.245 ug/l

RT: 2.86 min Scan# 226

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

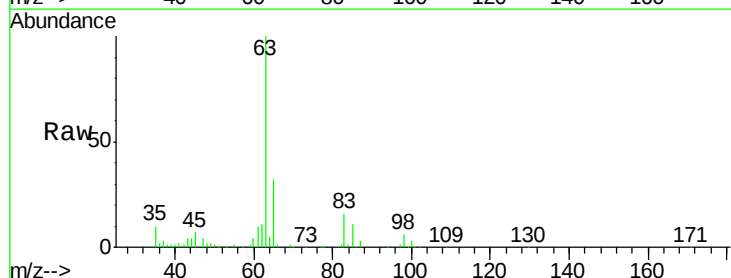
Tgt Ion: 63 Resp: 174922

Ion Ratio Lower Upper

63 100

98 5.9 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

2.86

80000

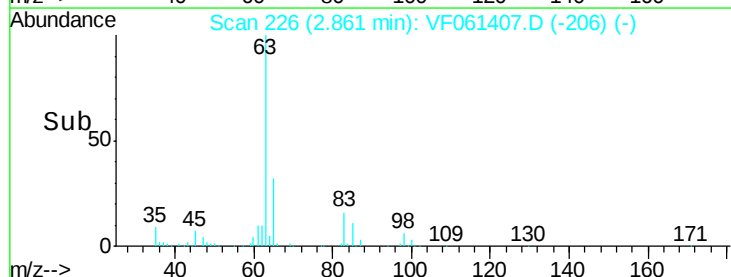
60000

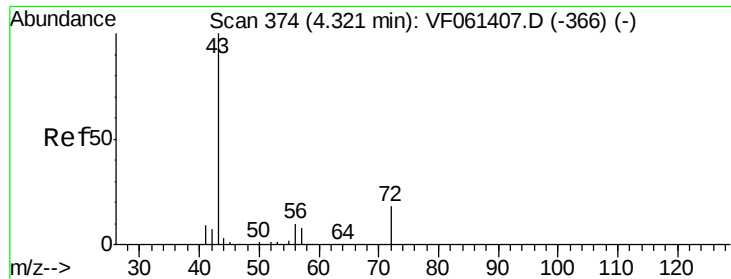
40000

20000

0

Time--> 2.70 2.80 2.90 3.00





#25

2-Butanone

Concen: 239.016 ug/l

RT: 4.32 min Scan# 374

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 178427

Ion Ratio Lower Upper

43 100

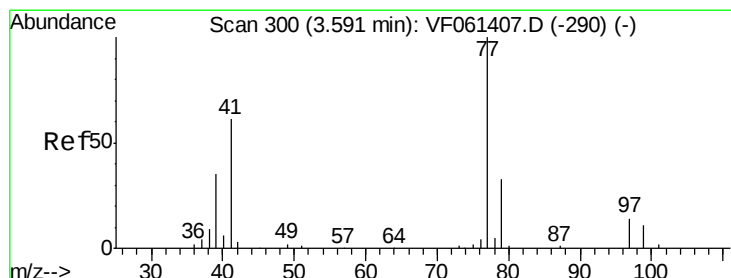
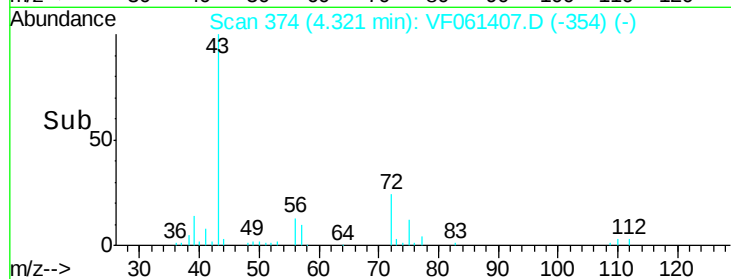
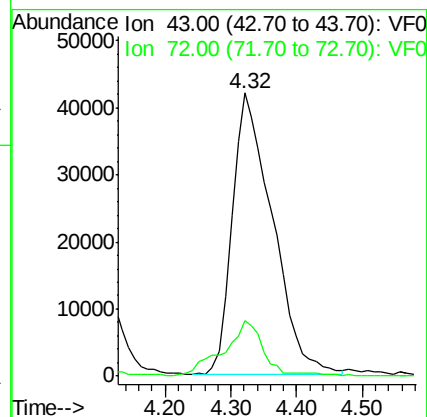
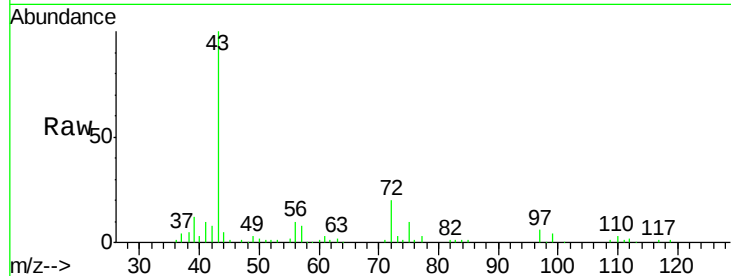
72 19.7 15.8 23.6

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#26

2,2-Dichloropropane

Concen: 41.638 ug/l

RT: 3.59 min Scan# 300

Delta R.T. 0.00 min

Lab File: VF061407.D

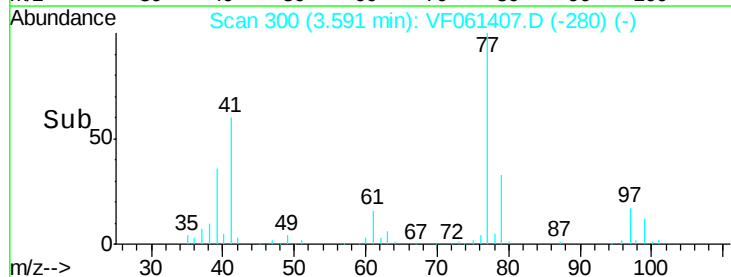
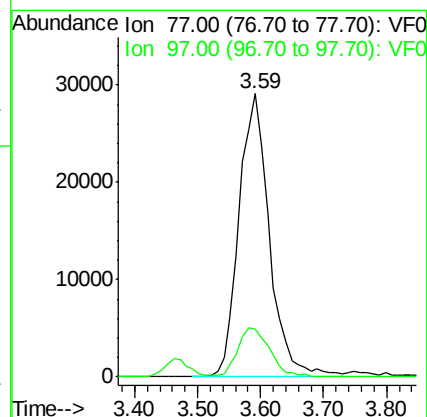
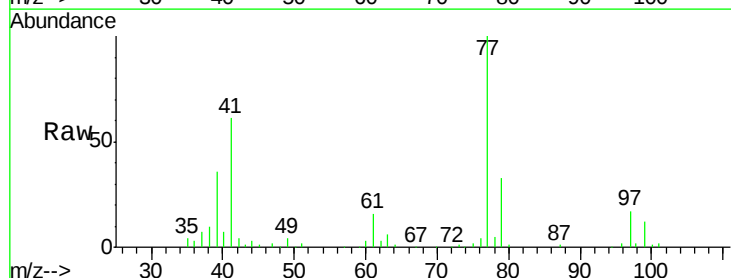
Acq: 15 Jan 2019 15:27

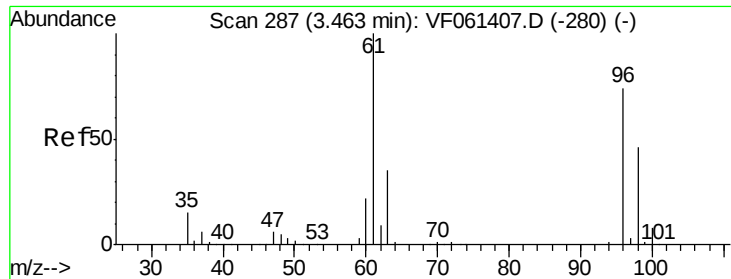
Tgt Ion: 77 Resp: 97255

Ion Ratio Lower Upper

77 100

97 17.0 8.5 25.5





#27

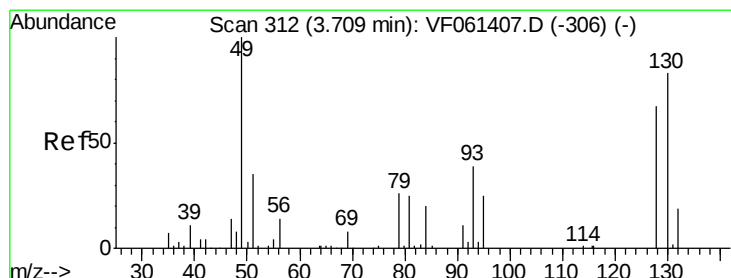
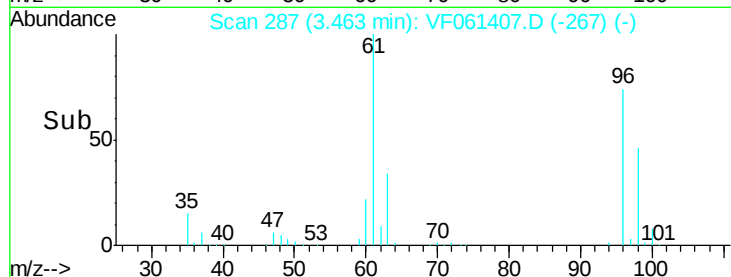
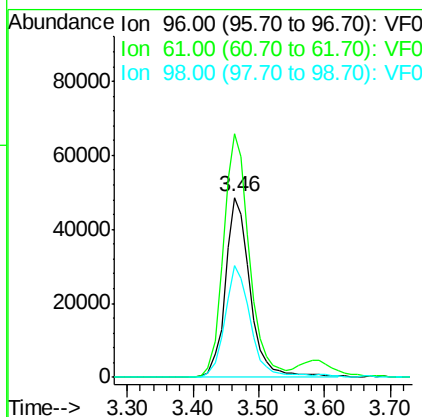
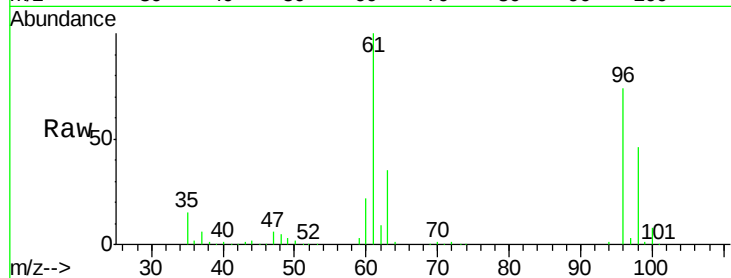
cis-1,2-Dichloroethene
Concen: 49.161 ug/l
RT: 3.46 min Scan# 287
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	128408		
61	135.1	0.0	270.2	
98	62.0	0.0	124.0	

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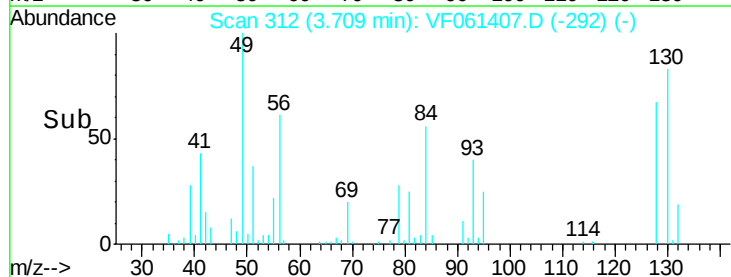
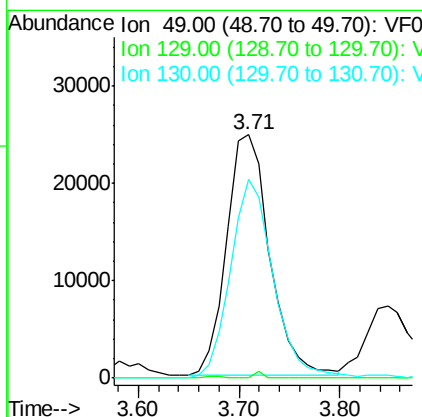
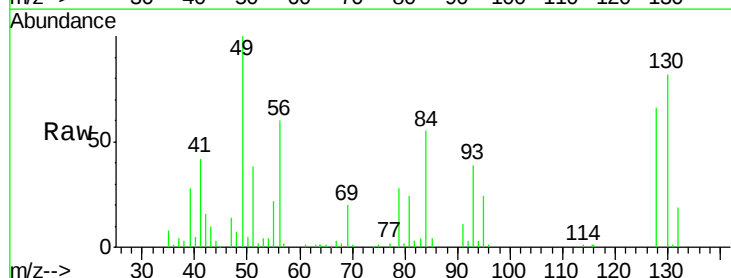
apatel
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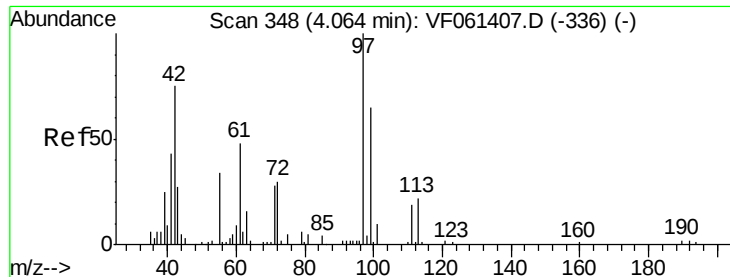


#28

Bromochloromethane
Concen: 43.767 ug/l
RT: 3.71 min Scan# 312
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	73871		
129	0.0	0.0	0.0	
130	81.8	65.4	98.2	





#29

Tetrahydrofuran

Concen: 246.620 ug/l

RT: 4.06 min Scan# 348

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

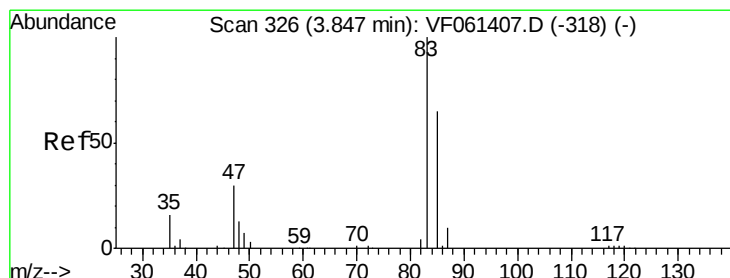
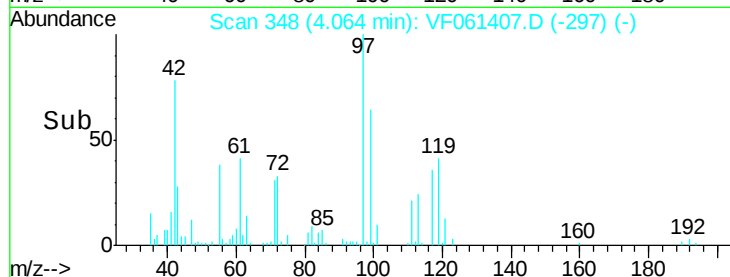
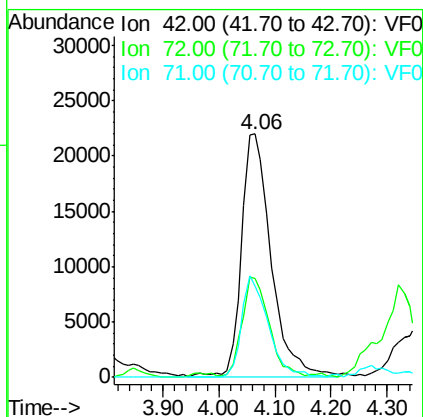
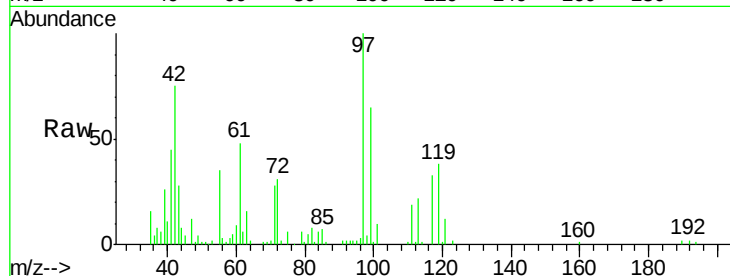
ClientSampleId :

VSTDICCC050

Tot Ion:	42	Resp:	80999
Ion	Ratio	Lower	Upper
42	100		
72	36.1	28.9	43.3
71	37.0	29.6	44.4

Manual Integrations
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#30

Chloroform

Concen: 49.254 ug/l

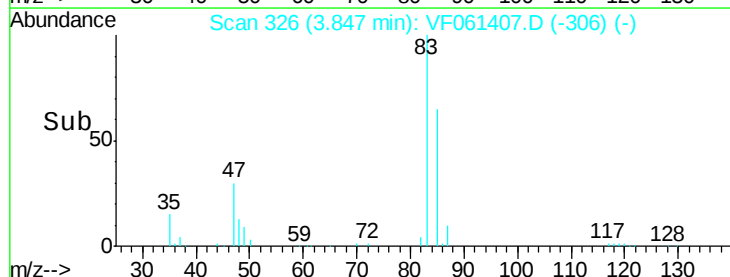
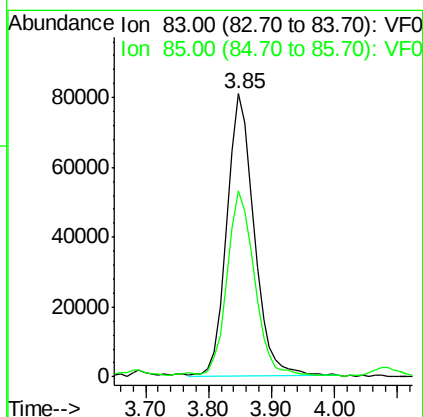
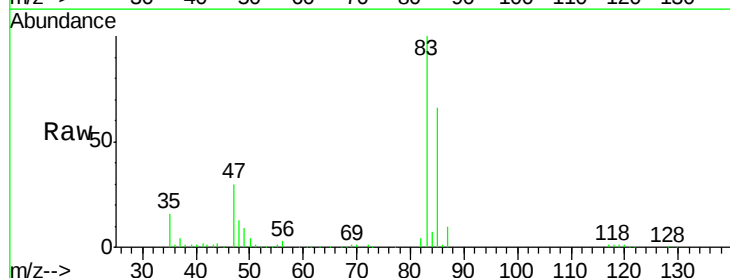
RT: 3.85 min Scan# 326

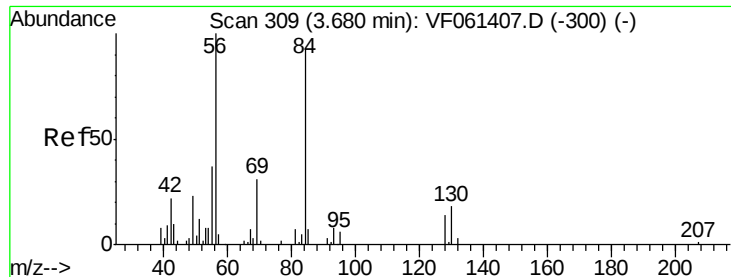
Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Tgt Ion:	83	Resp:	241003
Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.7	79.1





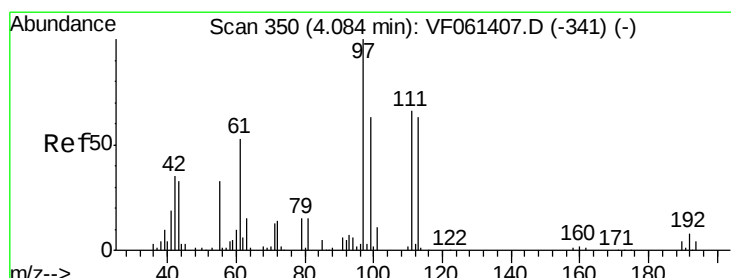
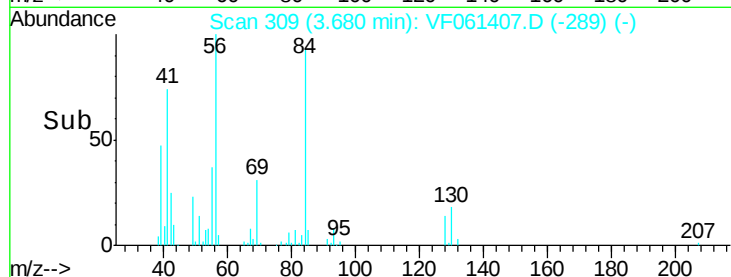
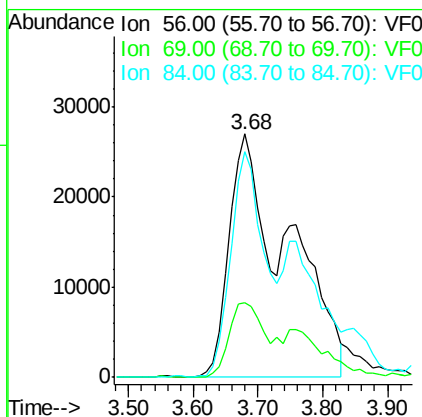
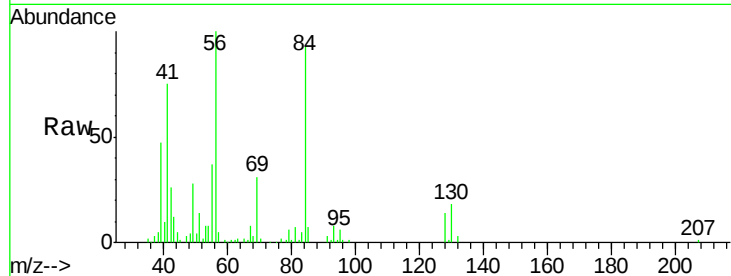
#31
Cyclohexane
Concen: 45.592 ug/l m
RT: 3.68 min Scan# 309
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	24.6	36.8
84	92.7	74.2	111.2

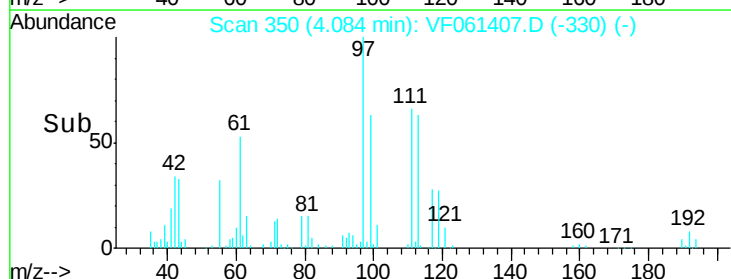
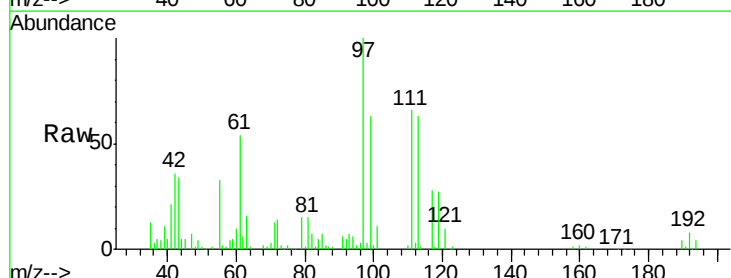
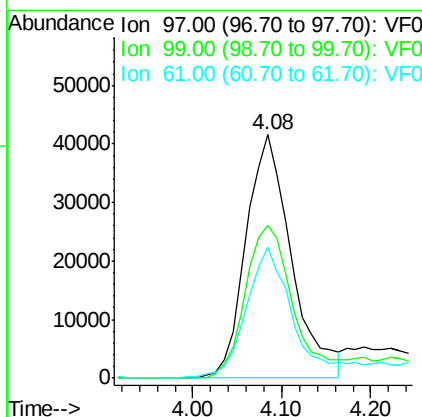
Manual Integrations
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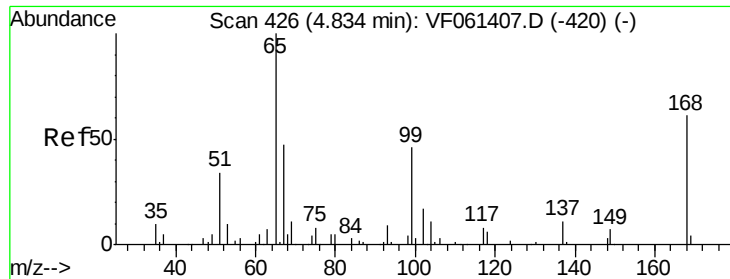
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#32
1,1,1-Trichloroethane
Concen: 39.488 ug/l
RT: 4.08 min Scan# 350
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	50.1	75.1
61	53.9	43.1	64.7





#33

1,2-Dichloroethane-d4

Concen: 51.615 ug/l

RT: 4.83 min Scan# 426

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Tot Ion: 65 Resp: 112027

Ion Ratio Lower Upper

65 100

67 49.9 0.0 99.8

Instrument :

MSVOA_F

ClientSampleId :

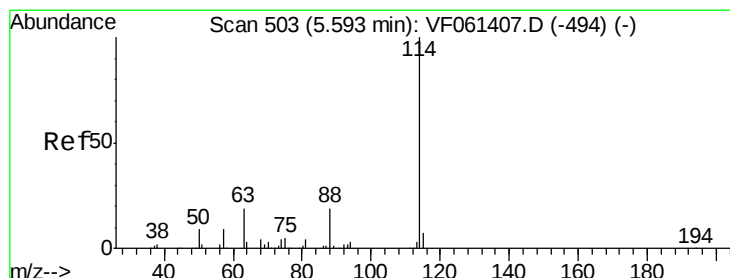
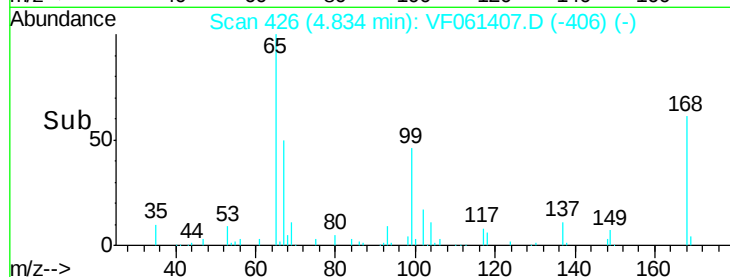
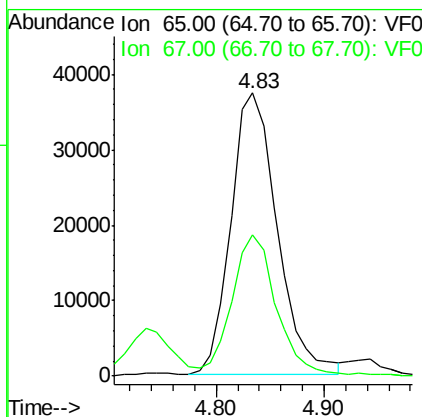
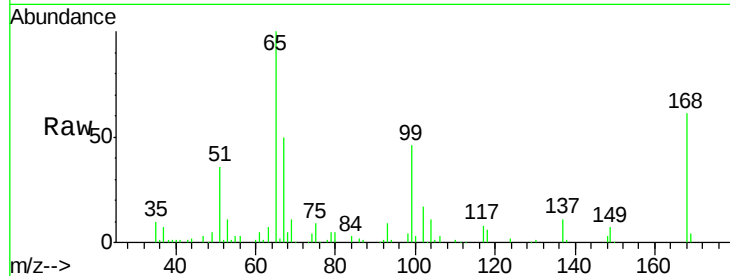
VSTDICCC050

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: VF061407.D

Acq: 15 Jan 2019 15:27

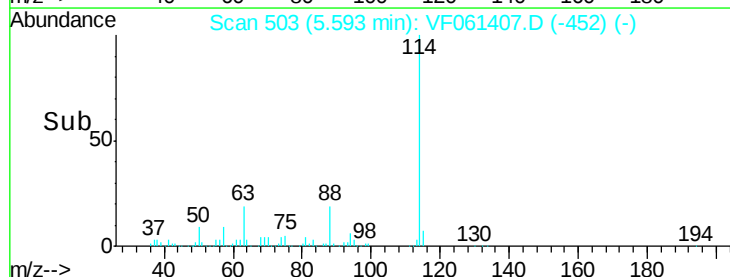
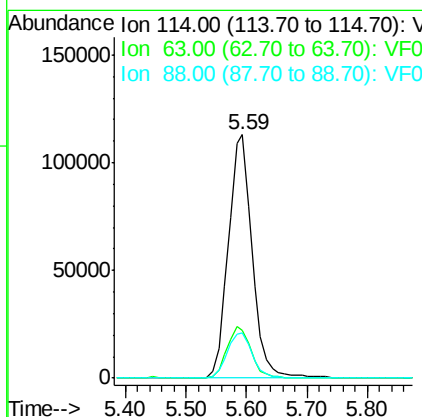
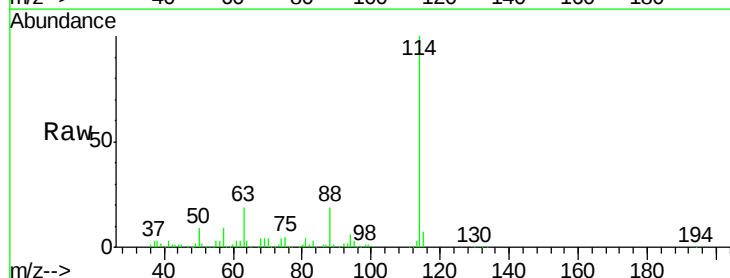
Tgt Ion: 114 Resp: 309331

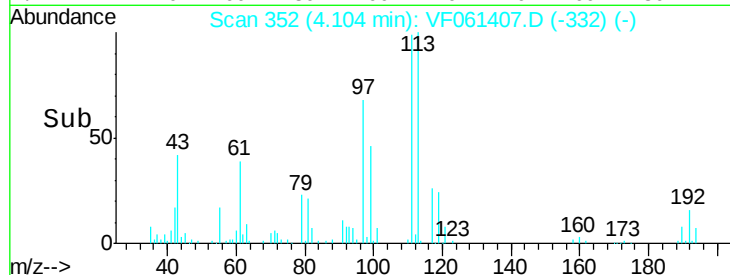
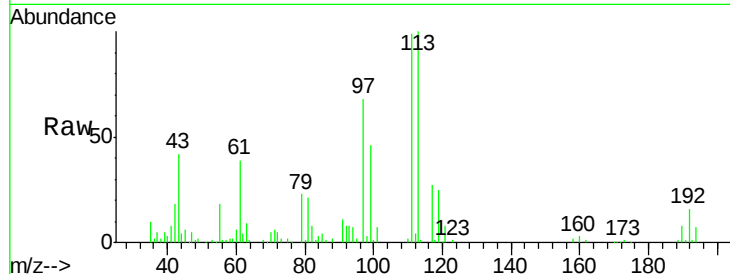
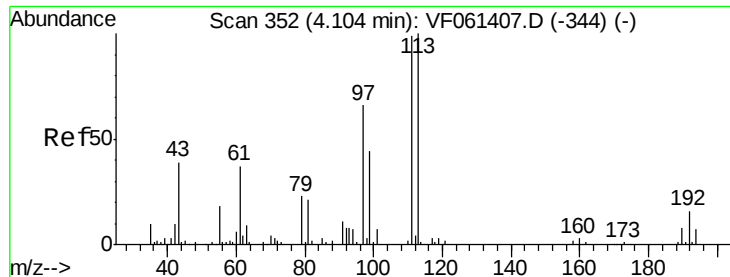
Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

88 18.7 0.0 37.4





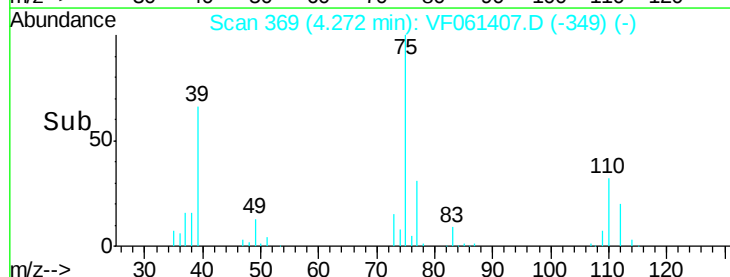
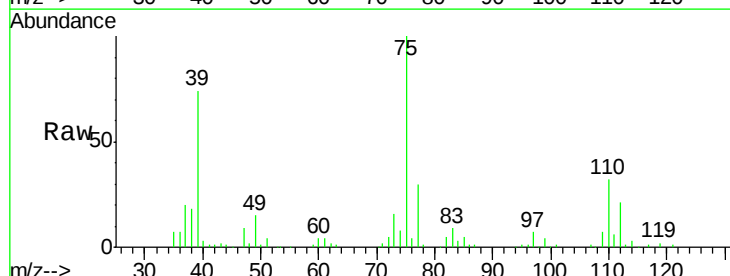
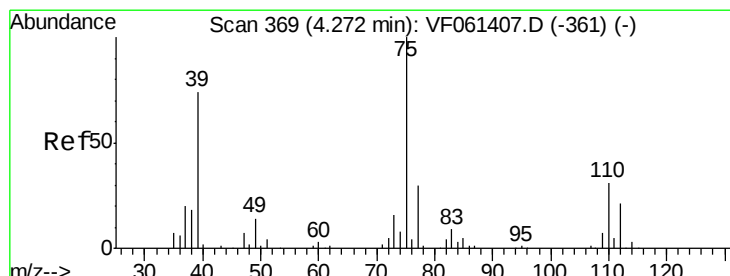
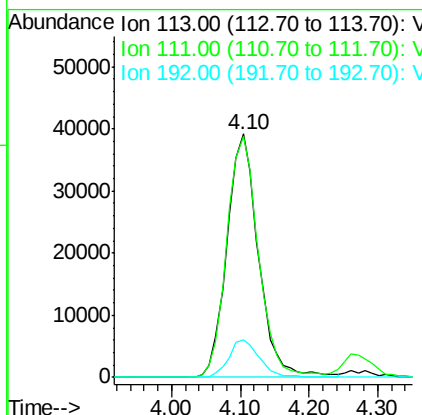
#35
Dibromofluoromethane
Concen: 49.638 ug/l
RT: 4.10 min Scan# 352
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tot Ion	Ratio	Resp	Lower	Upper
113	100	124120		
111	99.2	79.4	119.0	
192	15.5	12.4	18.6	

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

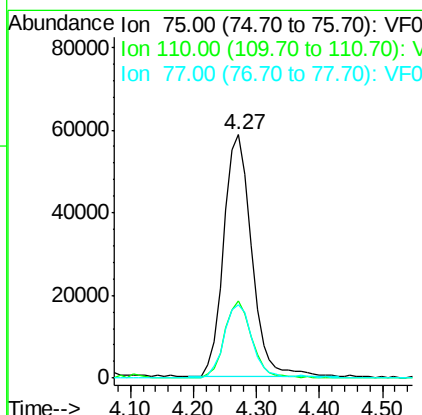
Manual Integrations
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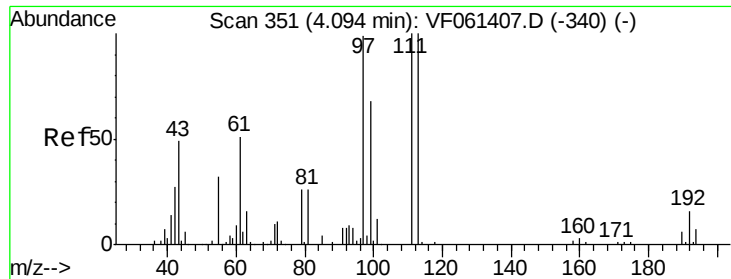
apatel
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#36
1,1-Dichloropropene
Concen: 49.591 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	181912		
110	31.5	15.8	47.3	
77	30.0	24.0	36.0	





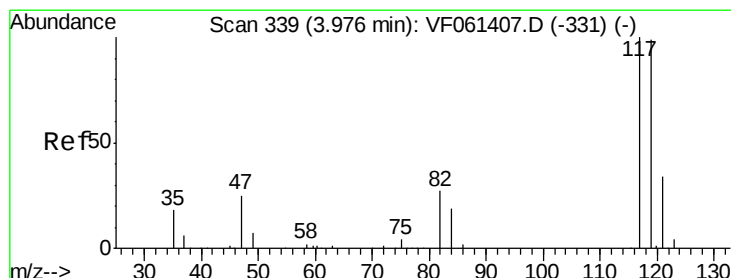
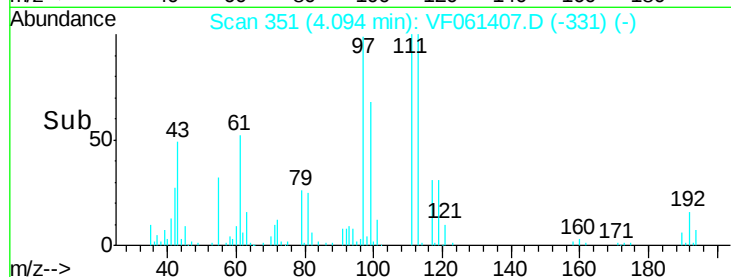
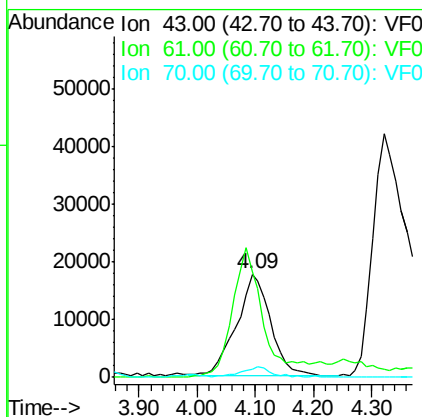
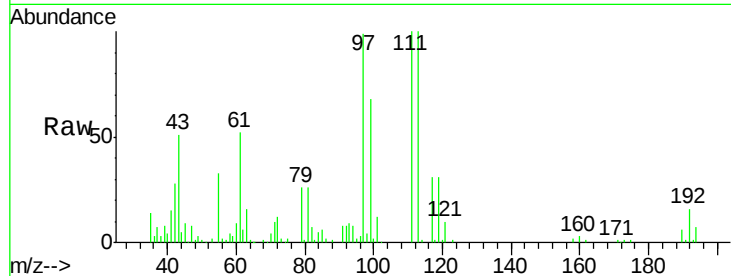
#37
Ethyl Acetate
Concen: 48.150 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Instrument :
MSVOA_F
ClientSampled :
VSTDICCC050

Tot Ion	43	61	70	Ratio	Lower	Upper
Resp:	71715					
Ion	43	61	70	100	102.1	7.7
Ratio					81.7	6.2
Lower					122.5	9.2
Upper						

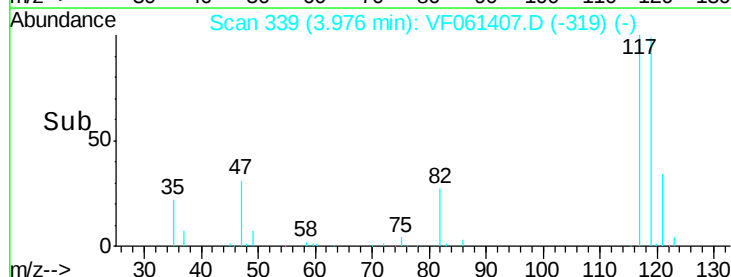
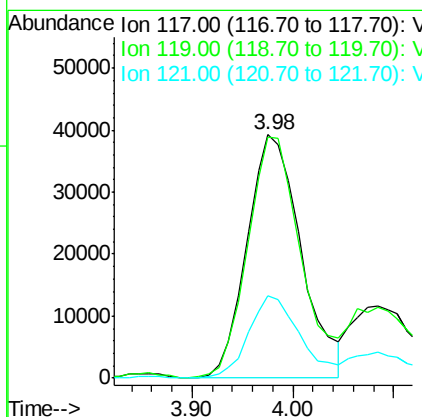
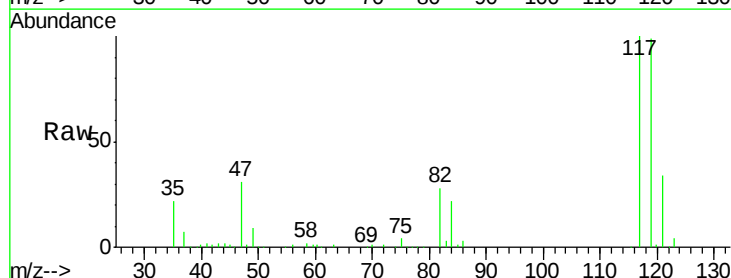
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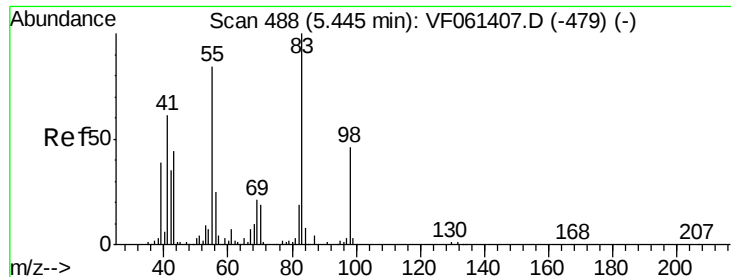
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#38
Carbon Tetrachloride
Concen: 36.865 ug/l
RT: 3.98 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion	117	119	121	Ratio	Lower	Upper
Resp:	146504					
Ion	117	119	121	100	98.8	33.8
Ratio					79.0	27.0
Lower					118.6	40.6
Upper						





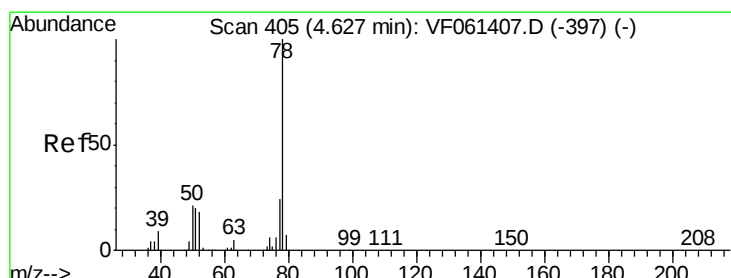
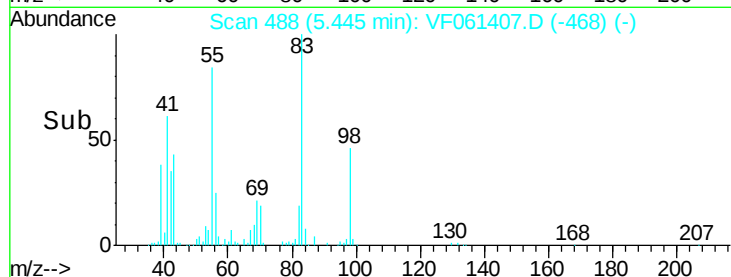
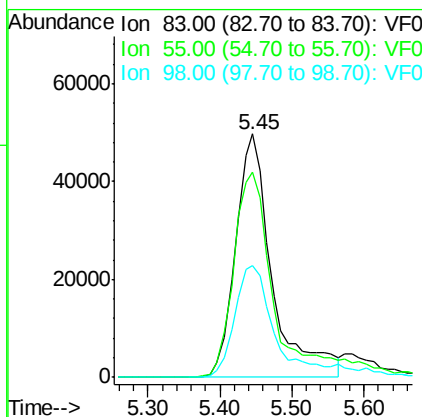
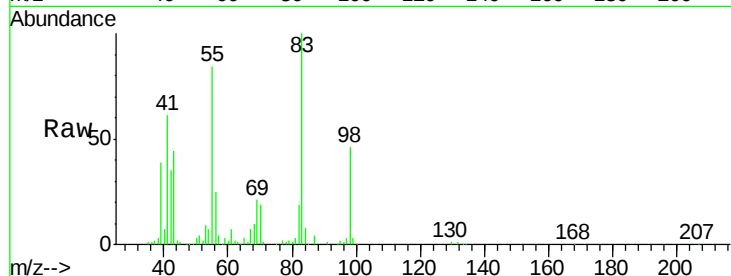
#39
Methvlcvclohexane
Concen: 43.738 ug/l
RT: 5.45 min Scan# 488
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.3	67.4	101.2
98	45.9	36.7	55.1

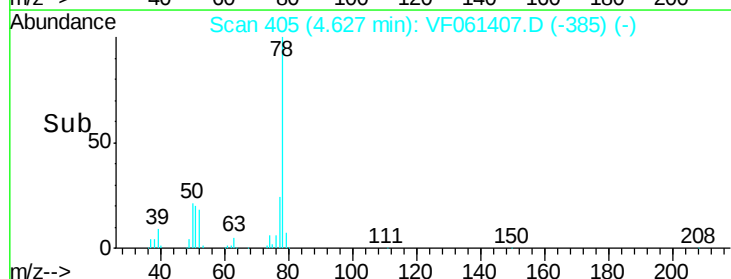
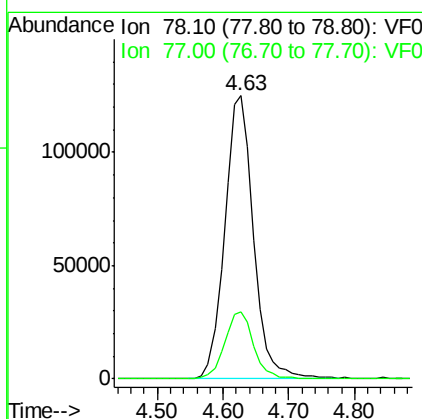
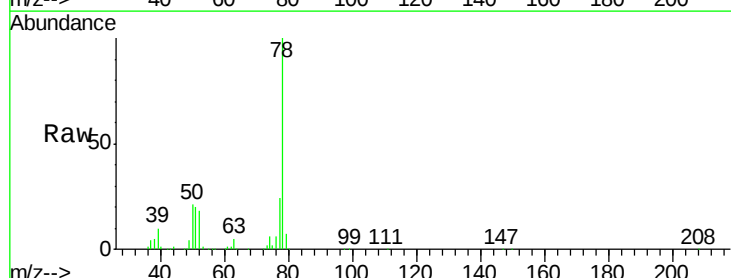
Manual Integrations
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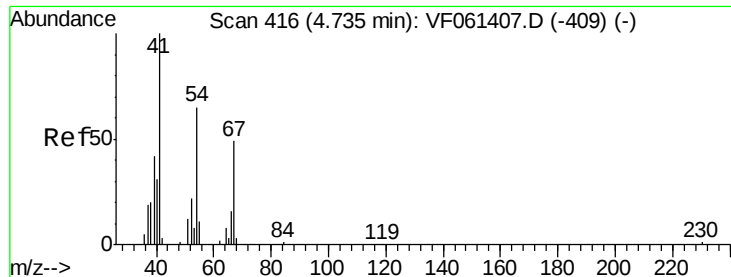
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#40
Benzene
Concen: 45.891 ug/l
RT: 4.63 min Scan# 405
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.0	28.6





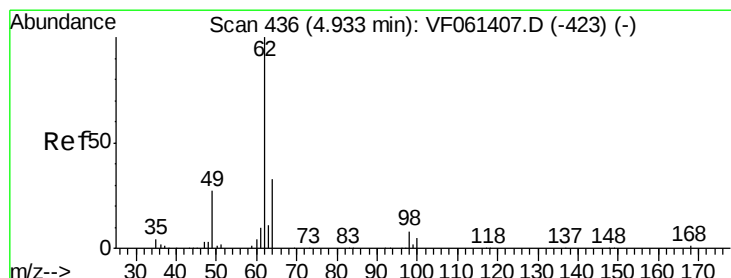
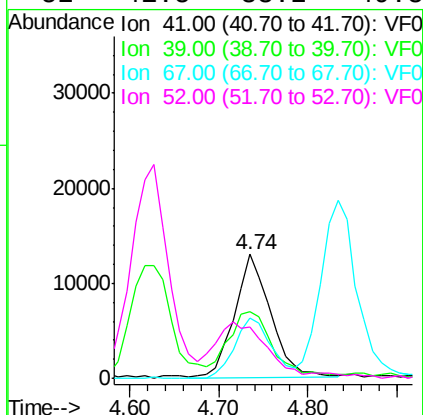
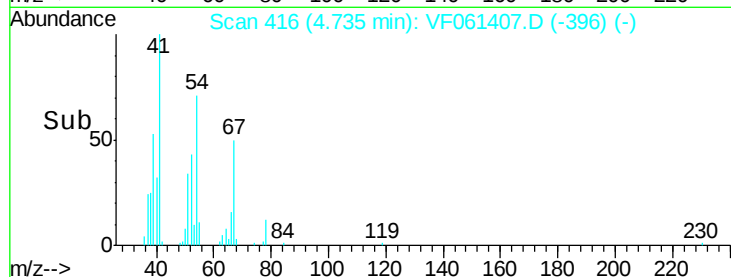
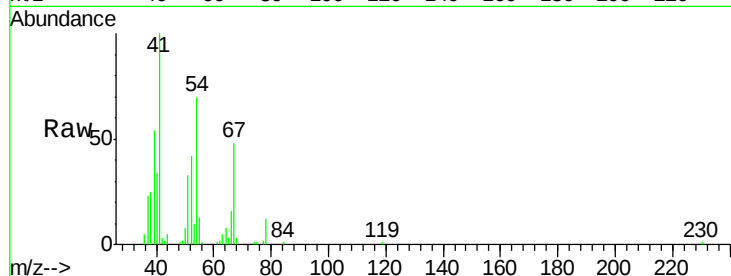
#41
Methacrylonitrile
Concen: 46.541 ug/l
RT: 4.74 min Scan# 416
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.1	64.7
67	48.5	38.8	58.2
52	41.5	33.2	49.8

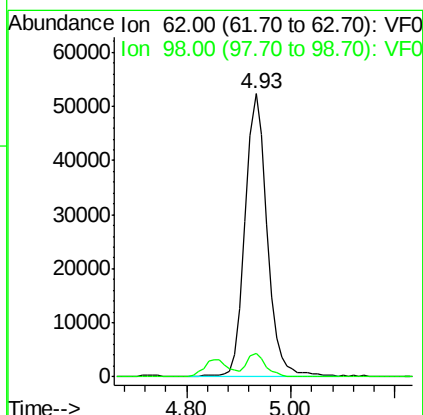
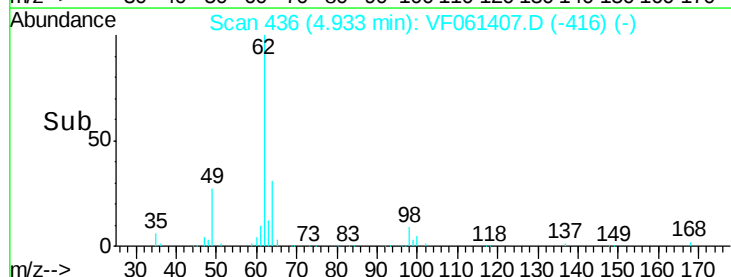
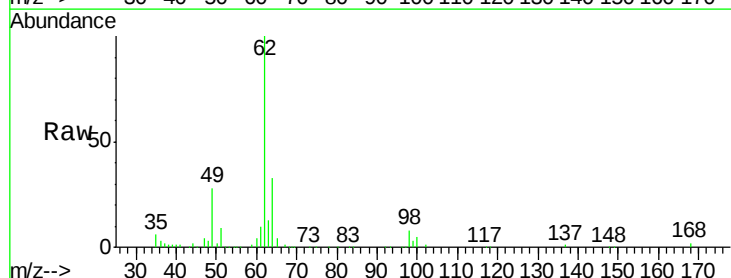
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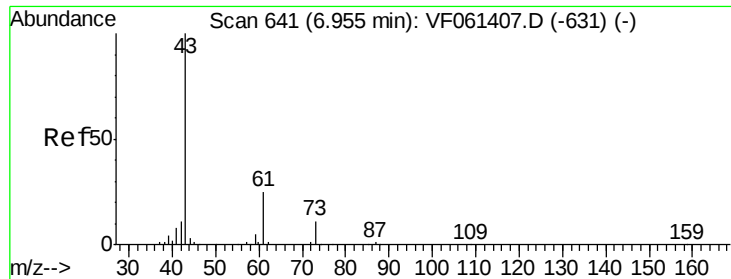
apatel
1/16/2019 4:05:39 PM



#42
1,2-Dichloroethane
Concen: 51.779 ug/l
RT: 4.93 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	17.0





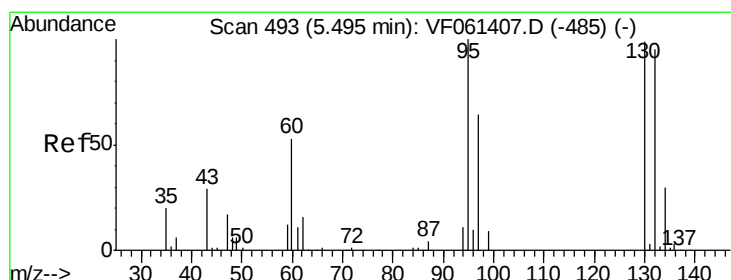
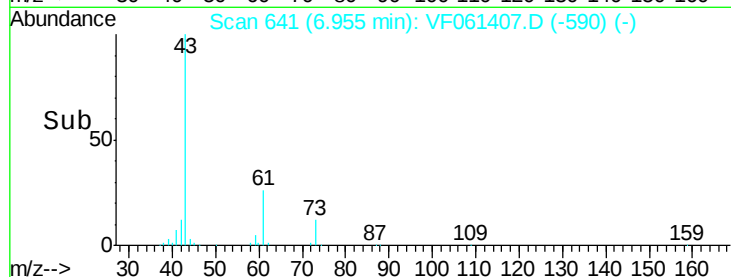
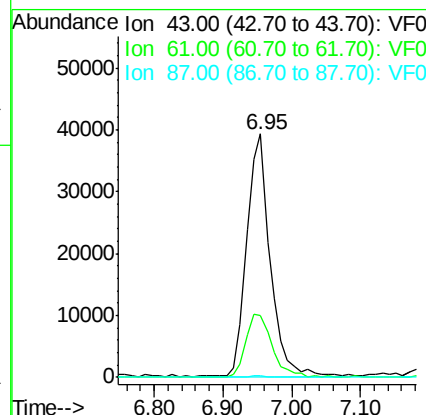
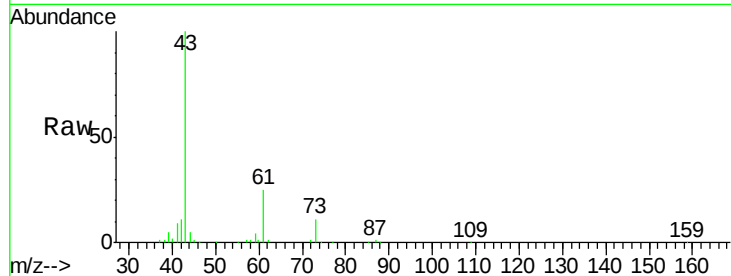
#43
Isopropyl Acetate
Concen: 51.824 ug/l
RT: 6.95 min Scan# 641
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	25.4	20.3	30.5
87	0.6	0.5	0.7

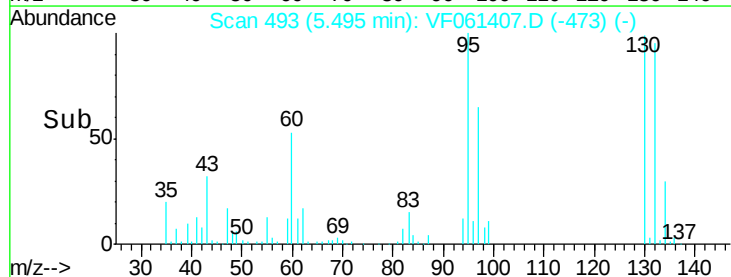
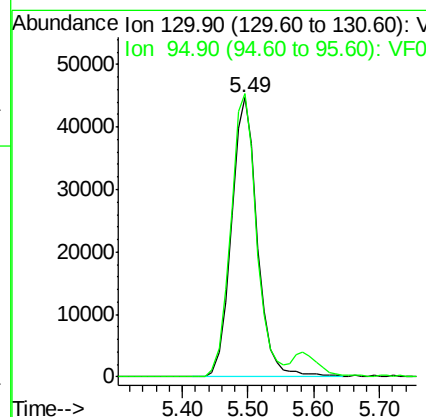
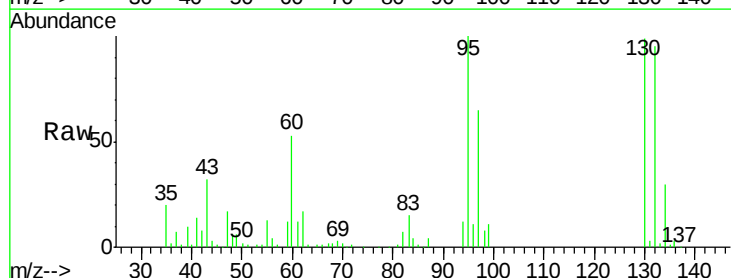
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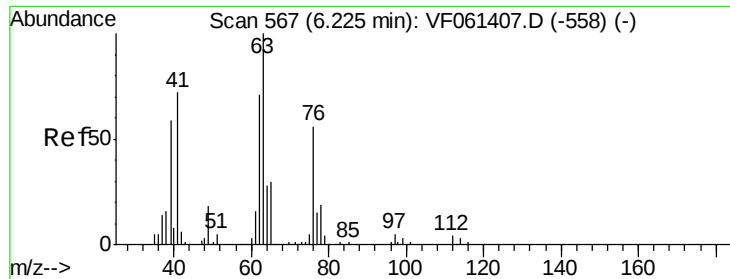
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#44
Trichloroethene
Concen: 48.092 ug/l
RT: 5.49 min Scan# 493
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	202.8





#45

1,2-Dichloropropane

Concen: 51.386 ug/l

RT: 6.22 min Scan# 567

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 63 Resp: 109575

Ion Ratio Lower Upper

63 100

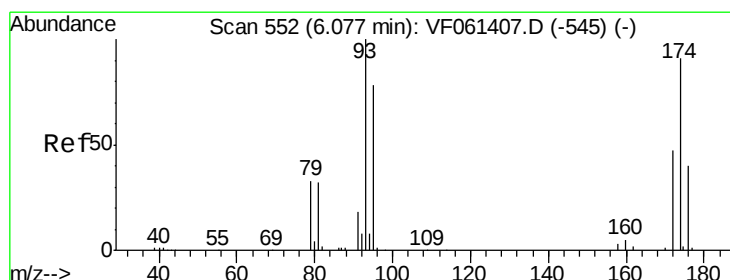
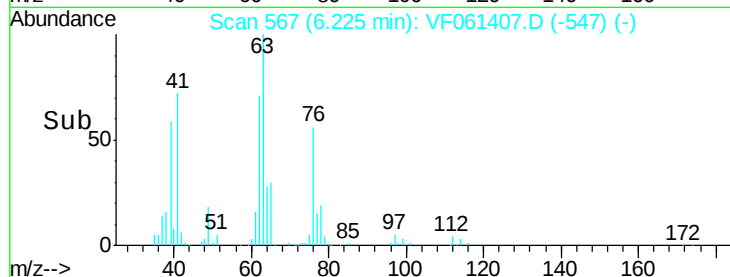
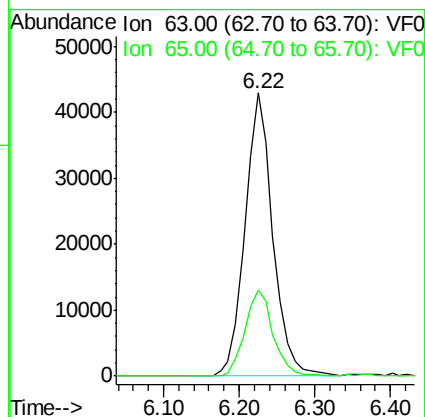
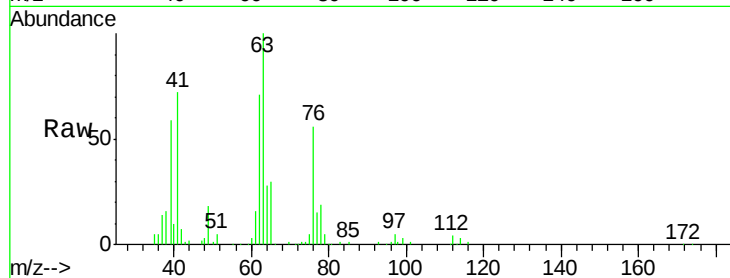
65 30.5 24.4 36.6

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#46

Dibromomethane

Concen: 52.704 ug/l

RT: 6.08 min Scan# 552

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

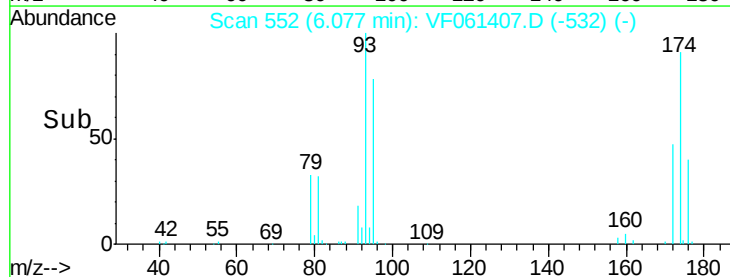
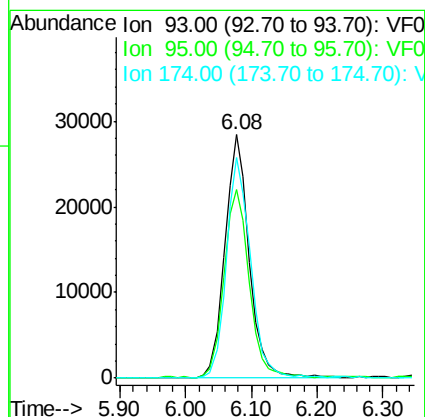
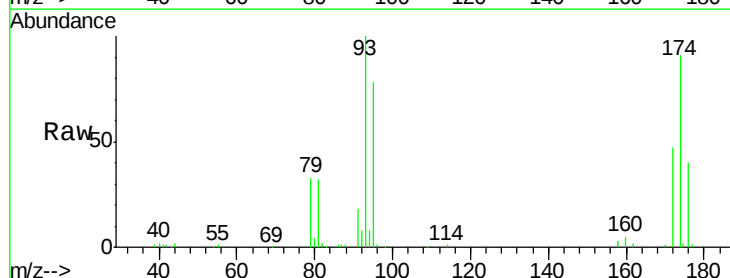
Tgt Ion: 93 Resp: 73682

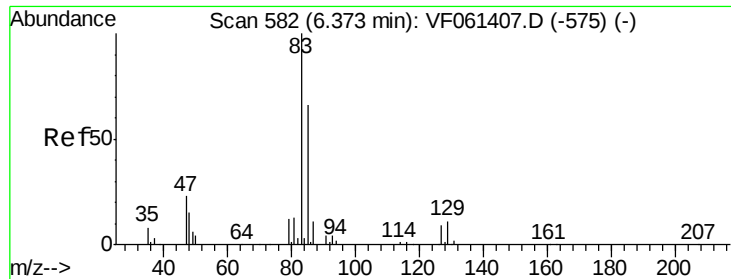
Ion Ratio Lower Upper

93 100

95 77.6 62.1 93.1

174 93.2 74.6 111.8





#47

Bromodichloromethane

Concen: 51.509 ug/l

RT: 6.37 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

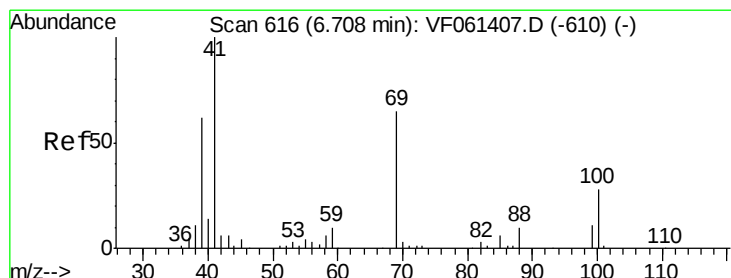
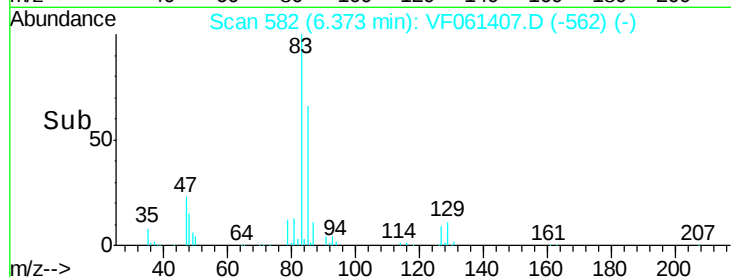
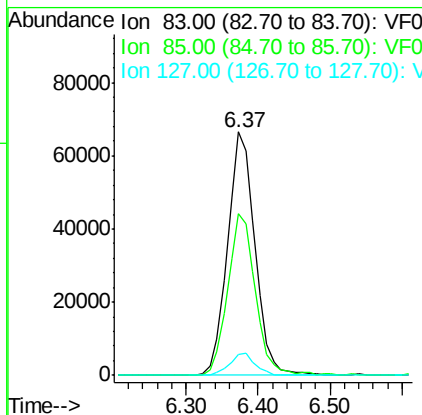
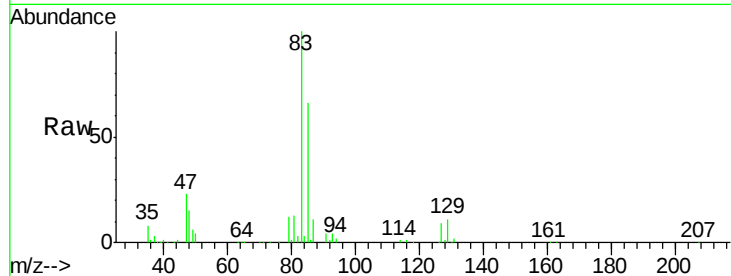
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	176203
Ion Ratio	Lower	Upper	
83	100		
85	66.2	53.0	79.4
127	8.6	6.9	10.3

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#48

Methyl methacrylate

Concen: 51.766 ug/l

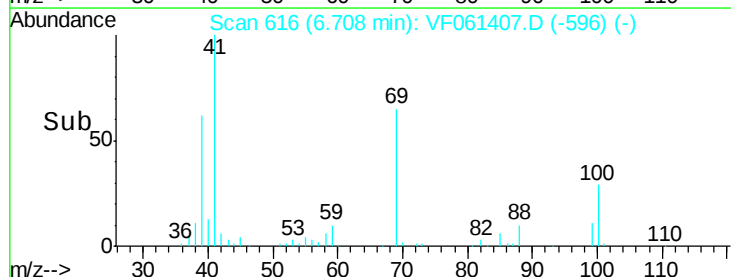
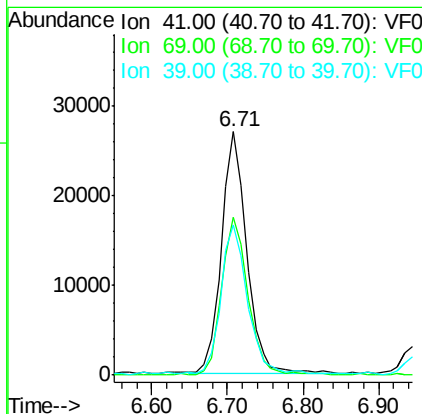
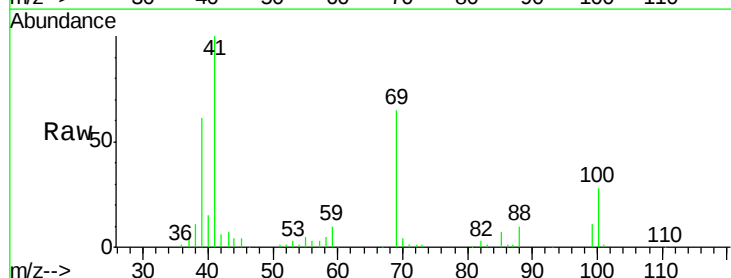
RT: 6.71 min Scan# 616

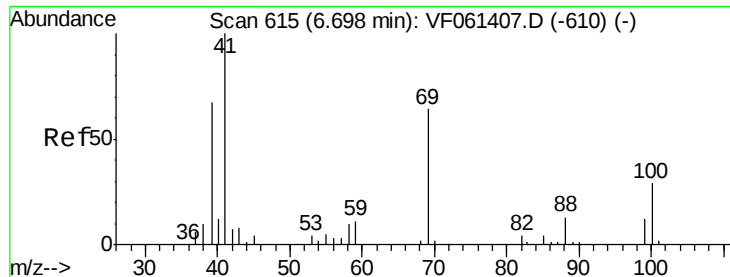
Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Tgt Ion:	41	Resp:	62241
Ion Ratio	Lower	Upper	
41	100		
69	64.6	51.7	77.5
39	61.5	49.2	73.8





#49

1,4-Dioxane

Concen: 1125.658 ug/l

RT: 6.70 min Scan# 615

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

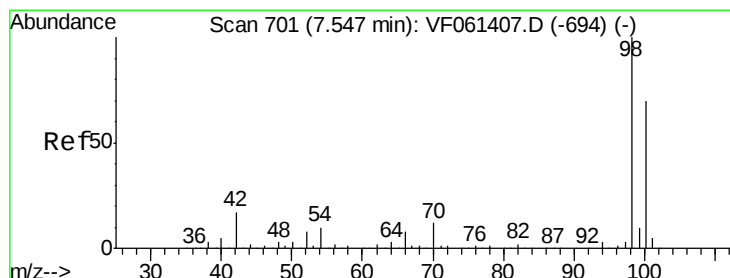
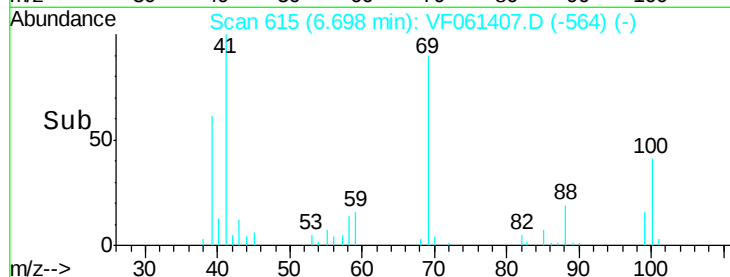
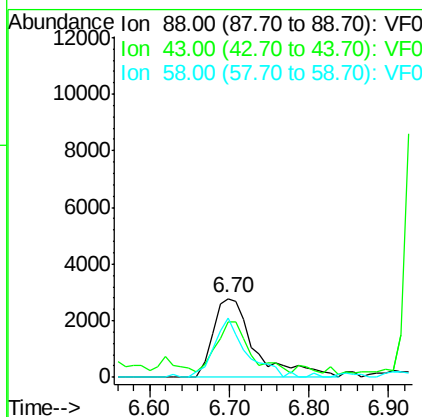
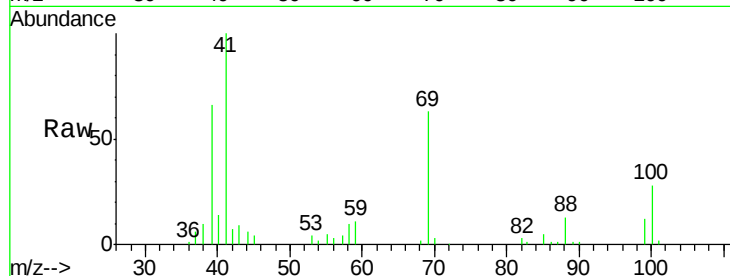
ClientSampleId :

VSTDICCC050

Tot Ion:	88	Resp:	10109
Ion	Ratio	Lower	Upper
88	100		
43	69.4	55.5	83.3
58	74.9	59.9	89.9

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#50

Toluene-d8

Concen: 48.923 ug/l

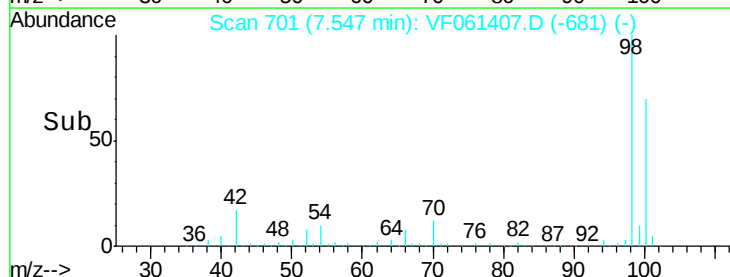
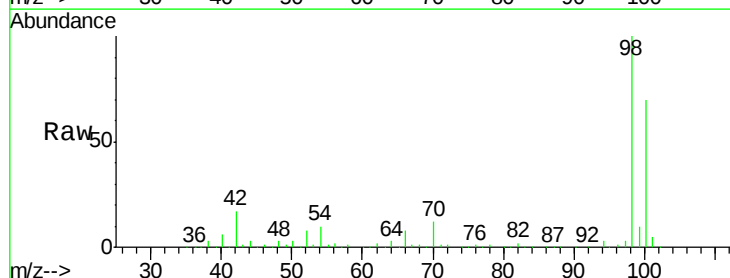
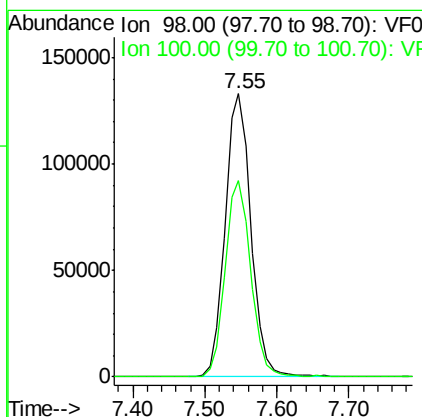
RT: 7.55 min Scan# 701

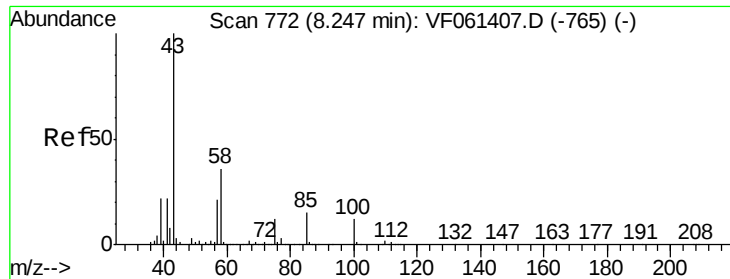
Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Tgt Ion:	98	Resp:	330684
Ion	Ratio	Lower	Upper
98	100		
100	69.5	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 236.863 ug/l

RT: 8.25 min Scan# 772

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 330362

Ion Ratio Lower Upper

43 100

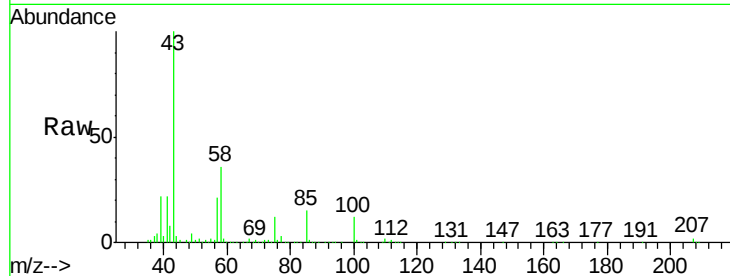
58 36.0 28.8 43.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.25

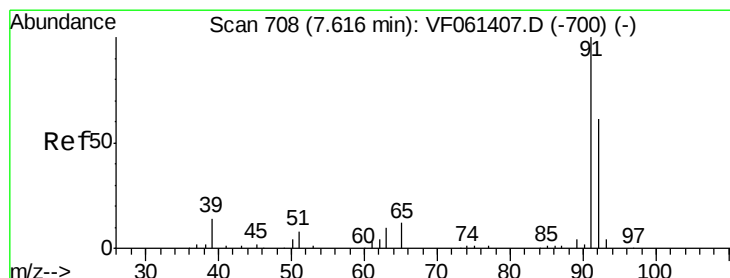
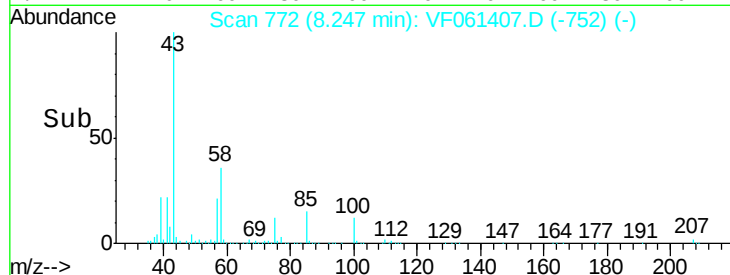
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 46.700 ug/l

RT: 7.62 min Scan# 708

Delta R.T. 0.00 min

Lab File: VF061407.D

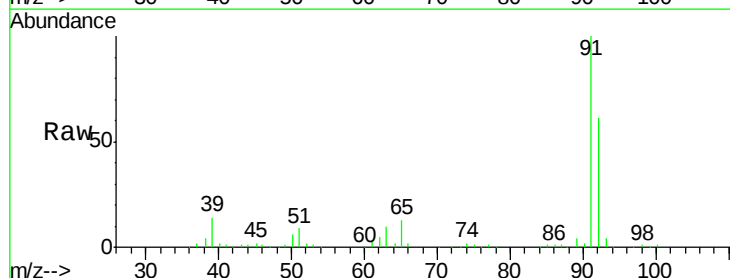
Acq: 15 Jan 2019 15:27

Tgt Ion: 92 Resp: 257968

Ion Ratio Lower Upper

92 100

91 164.0 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.62

200000

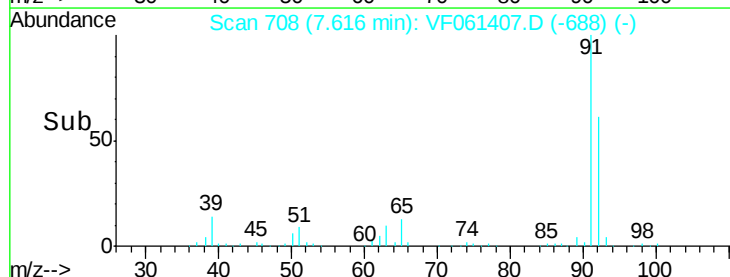
150000

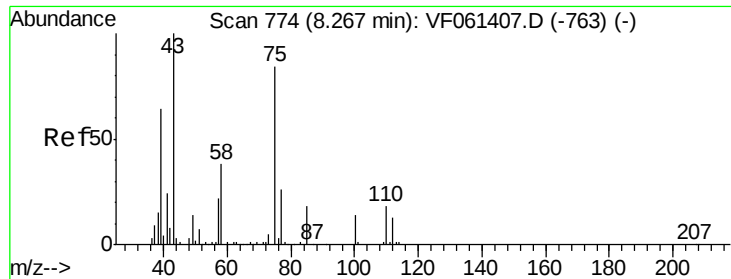
100000

50000

0

Time-->





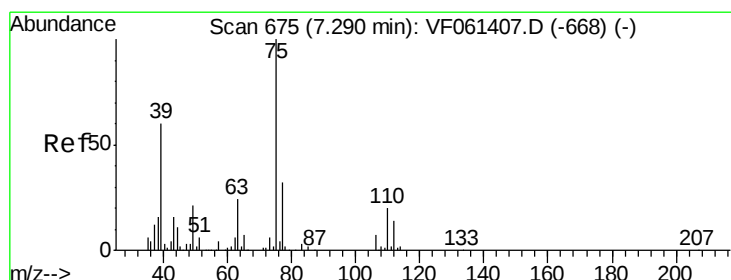
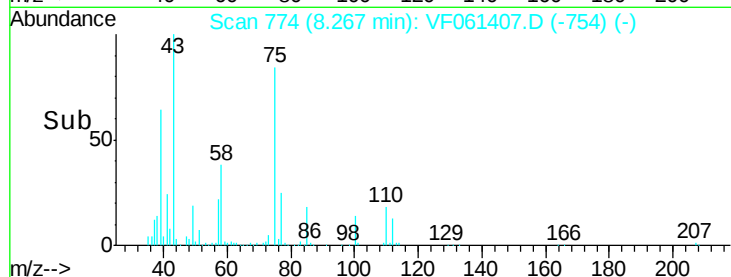
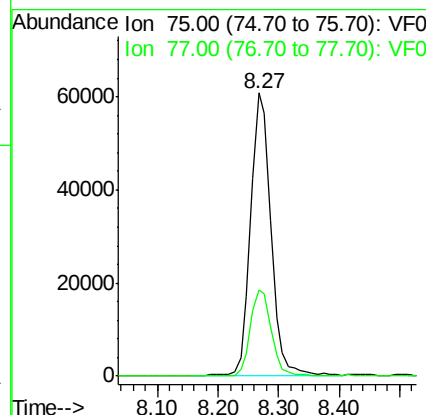
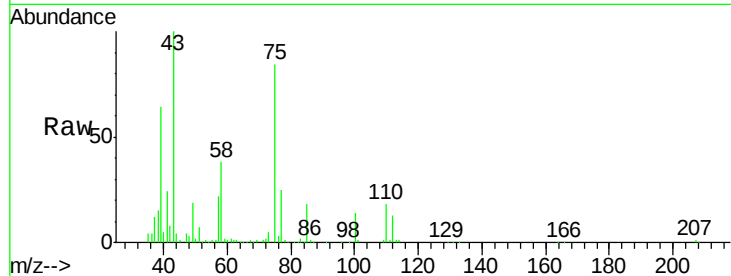
#53
t-1,3-Dichloropropene
Concen: 52.158 ug/l
RT: 8.27 min Scan# 774
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	24.4	36.6

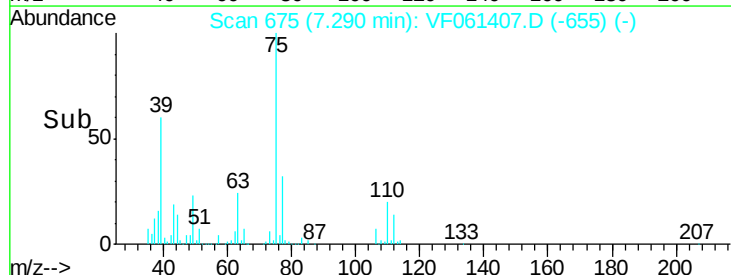
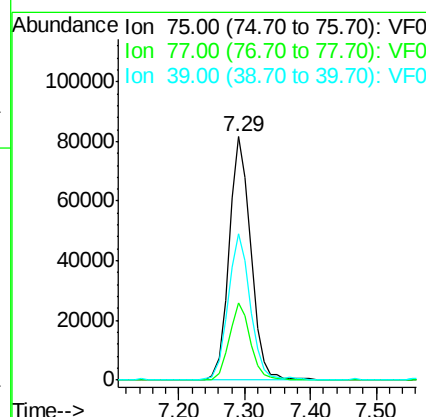
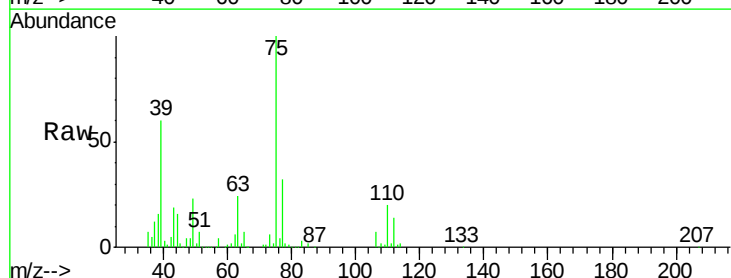
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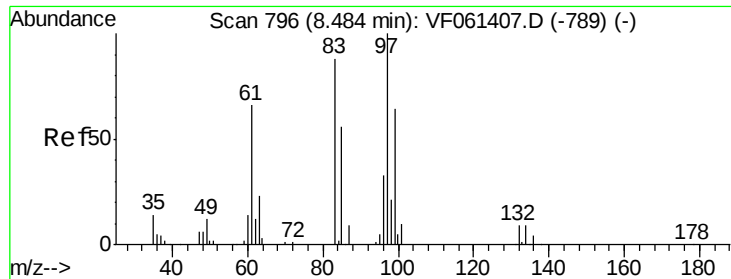
apatel
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#54
cis-1,3-Dichloropropene
Concen: 54.654 ug/l
RT: 7.29 min Scan# 675
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	59.8	47.8	71.8





#55

1,1,2-Trichloroethane

Concen: 51.659 ug/l

RT: 8.48 min Scan# 796

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

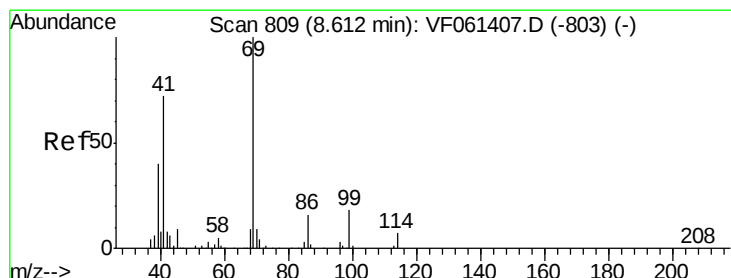
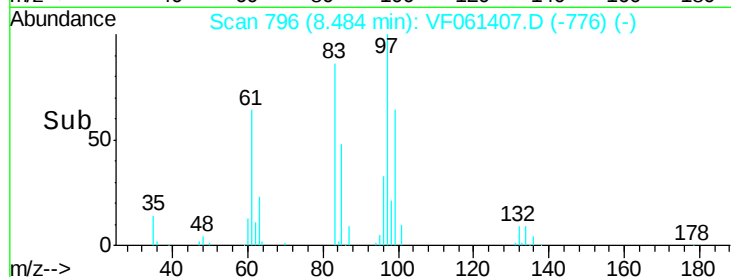
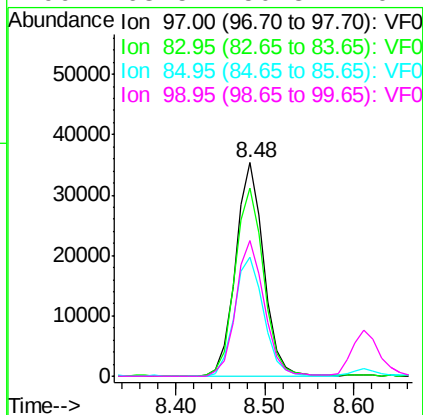
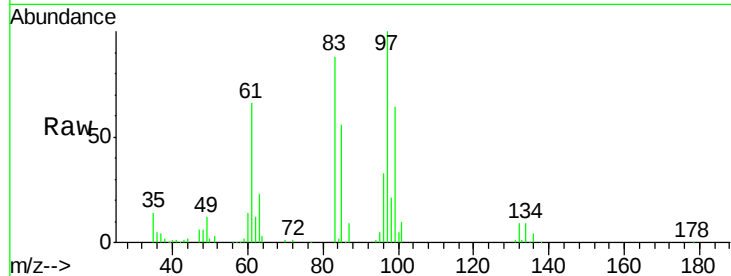
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	77557
Ion	Ratio	Lower	Upper
97	100		
83	88.0	70.4	105.6
85	55.9	44.7	67.1
99	63.5	50.8	76.2

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#56

Ethyl methacrylate

Concen: 51.545 ug/l

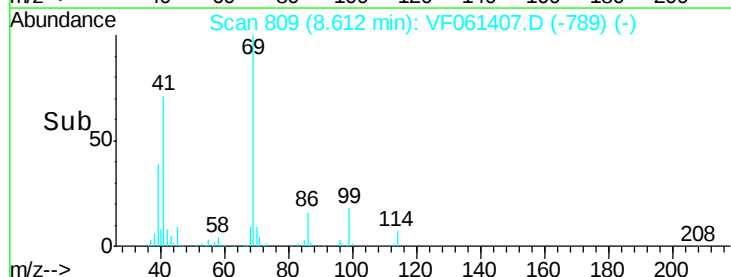
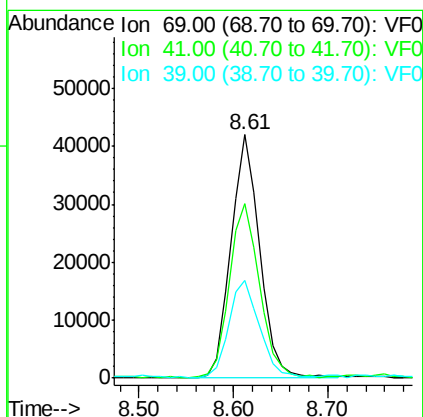
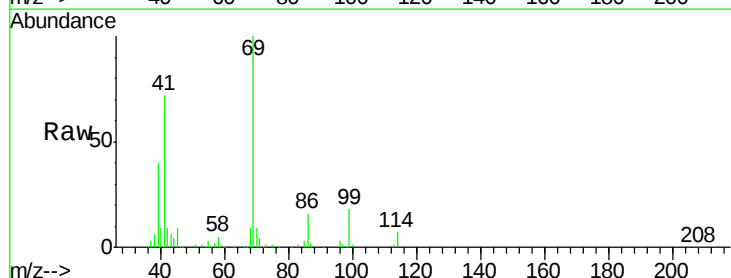
RT: 8.61 min Scan# 809

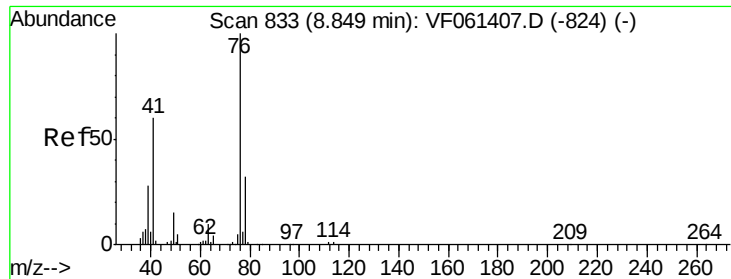
Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Tgt Ion:	69	Resp:	88684
Ion	Ratio	Lower	Upper
69	100		
41	71.9	57.5	86.3
39	40.0	32.0	48.0





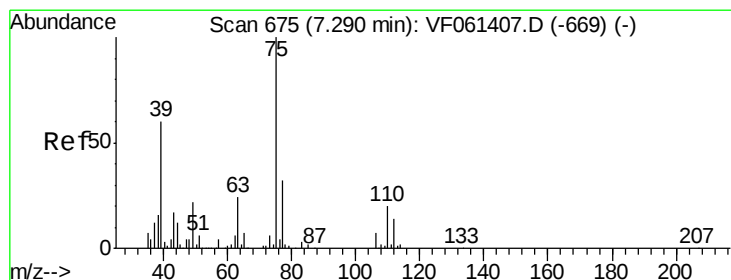
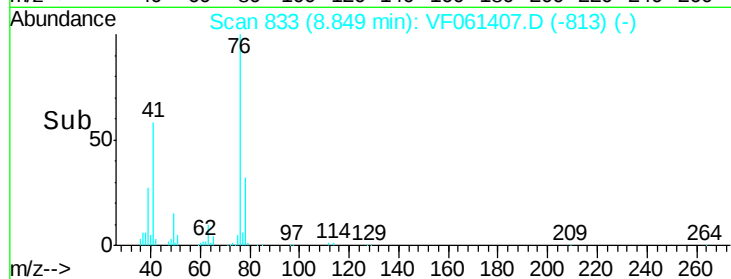
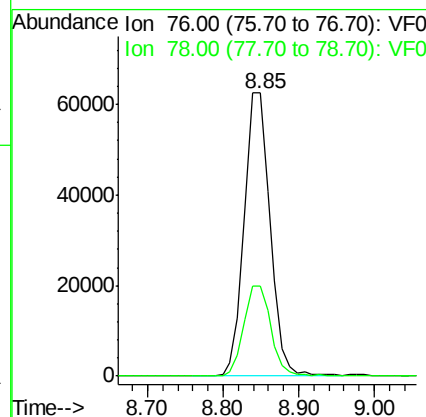
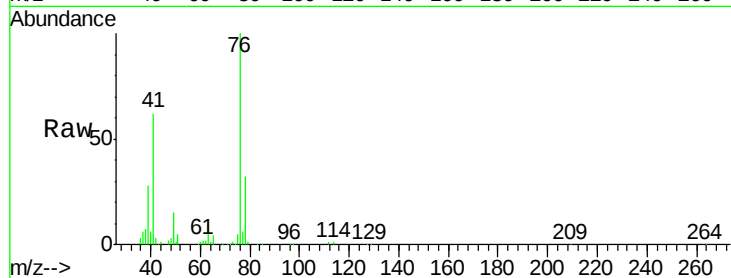
#57
 1,3-Dichloropropane
 Concen: 53.505 ug/l
 RT: 8.85 min Scan# 833
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.3	37.9

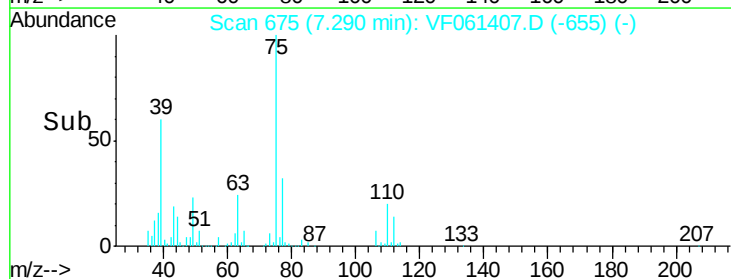
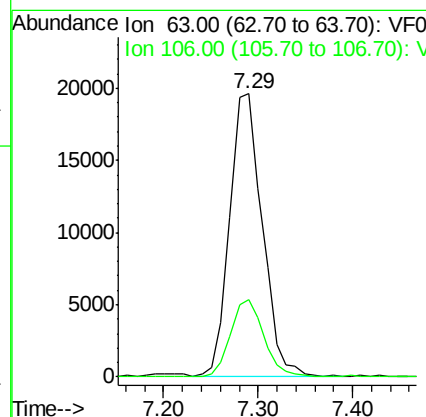
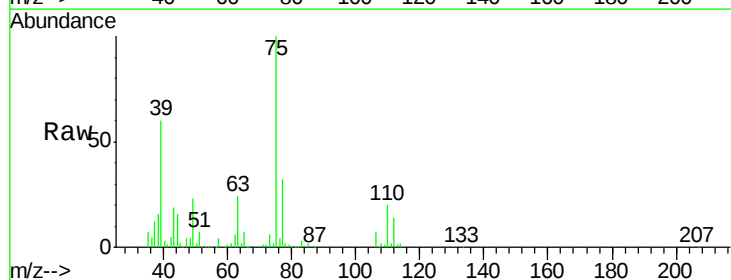
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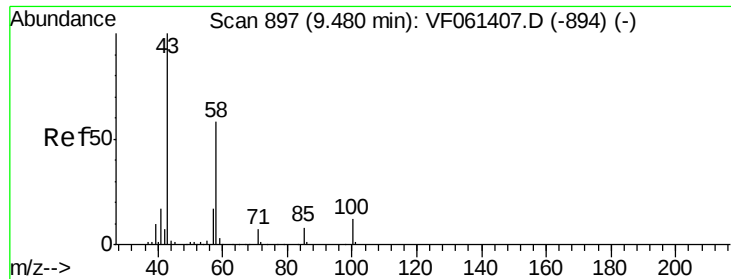
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 405.069 ug/l
 RT: 7.29 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.4	21.9	32.9





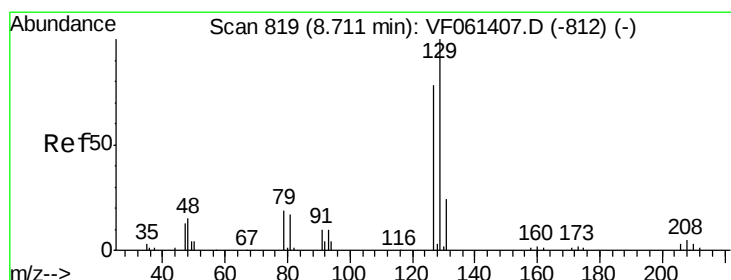
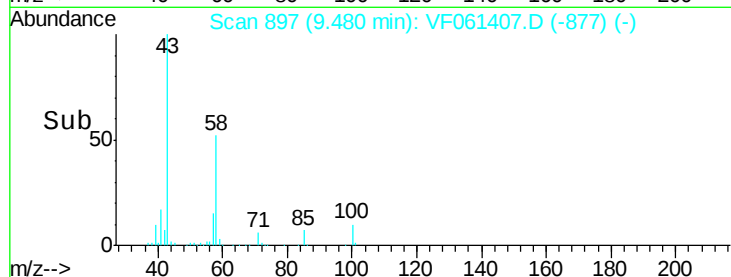
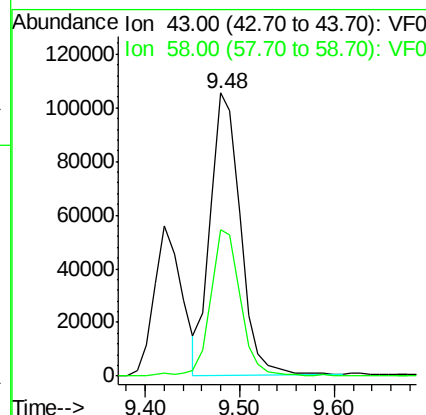
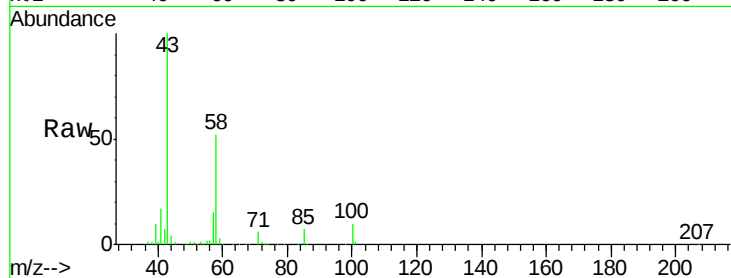
#59
2-Hexanone
Concen: 240.146 ug/l
RT: 9.48 min Scan# 897
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 233143
Ion Ratio Lower Upper
43 100
58 51.7 25.9 77.6

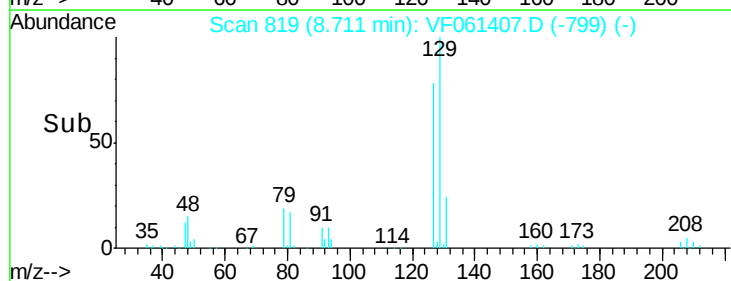
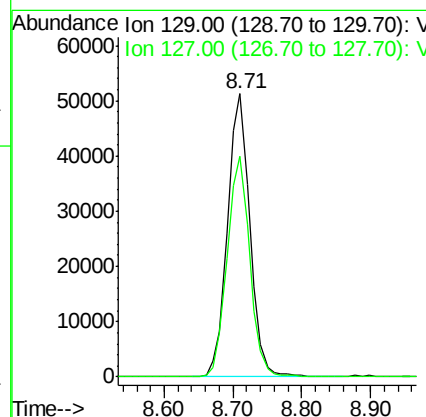
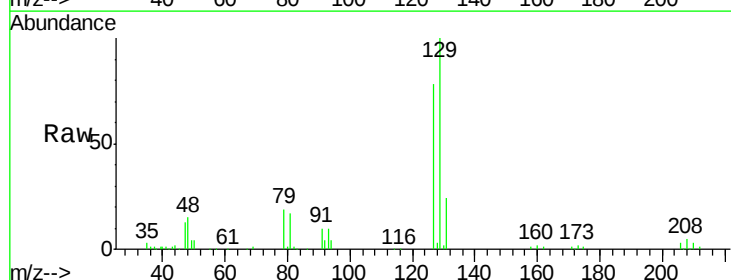
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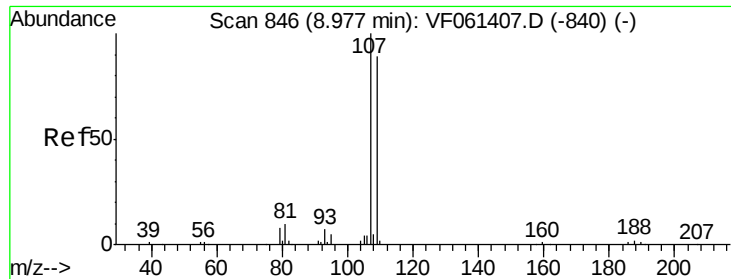
apatel
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#60
Dibromochloromethane
Concen: 54.232 ug/l
RT: 8.71 min Scan# 819
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion: 129 Resp: 115719
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 52.153 ug/l

RT: 8.98 min Scan# 846

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:107 Resp: 89585

Ion Ratio Lower Upper

107 100

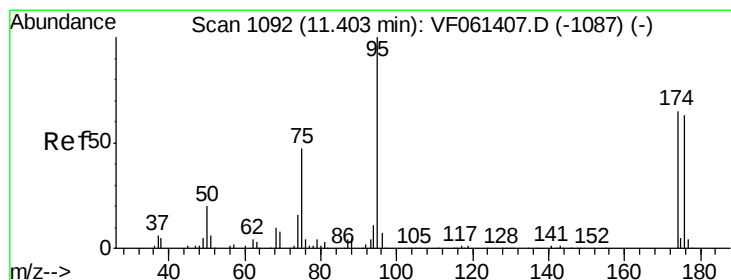
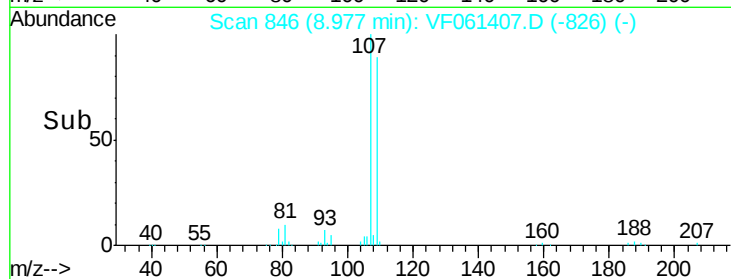
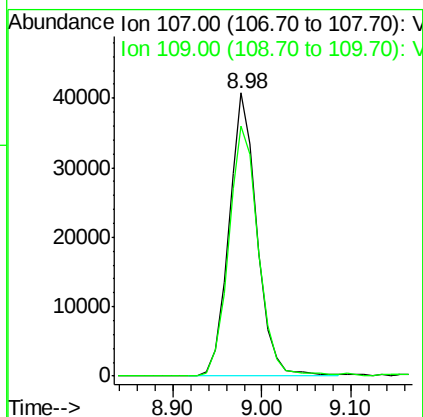
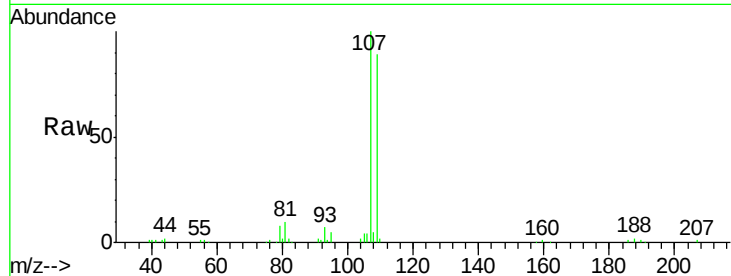
109 88.5 70.8 106.2

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#62

4-Bromofluorobenzene

Concen: 47.655 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

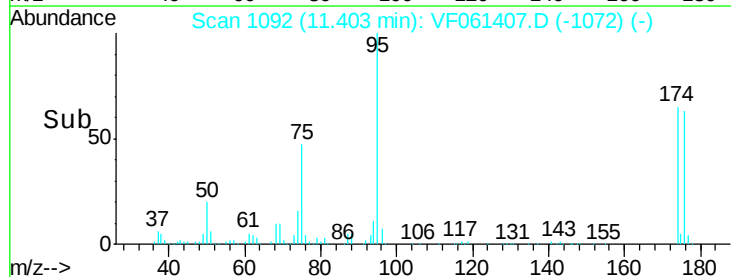
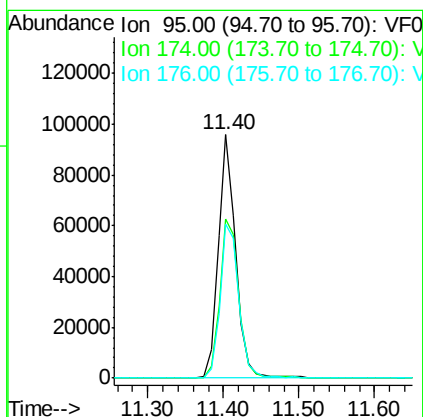
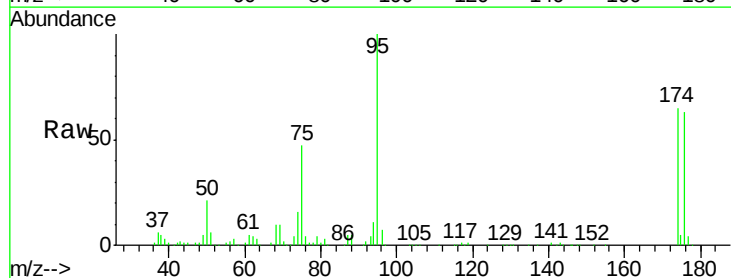
Tgt Ion: 95 Resp: 155613

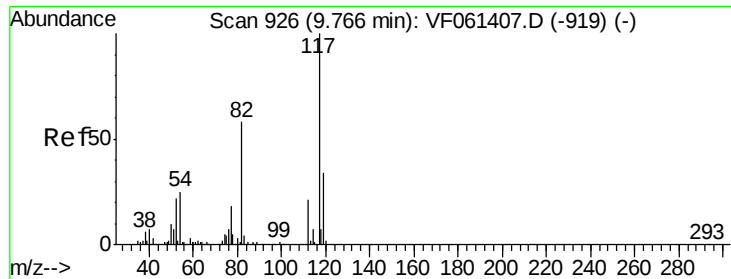
Ion Ratio Lower Upper

95 100

174 65.2 0.0 130.4

176 63.1 0.0 126.2





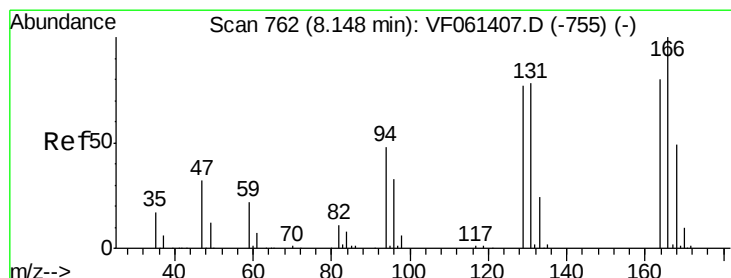
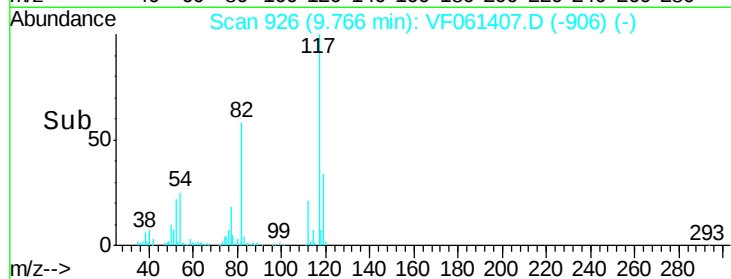
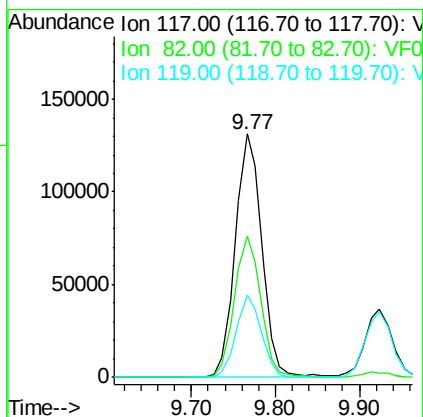
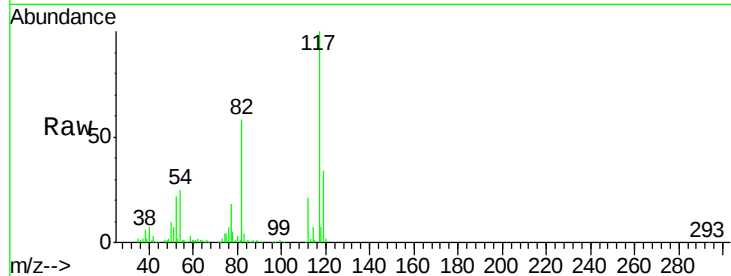
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 926
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	290052		
82	58.0		46.4	69.6
119	34.0		27.2	40.8

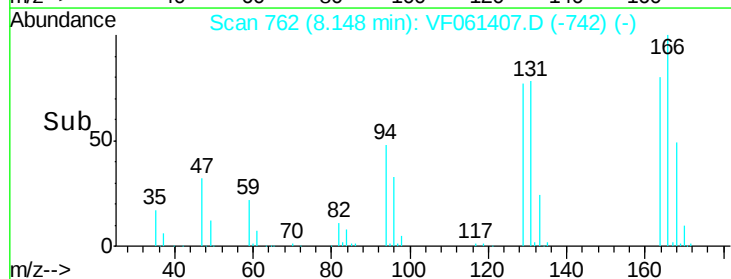
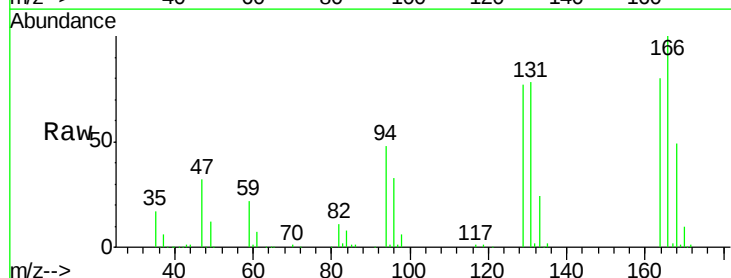
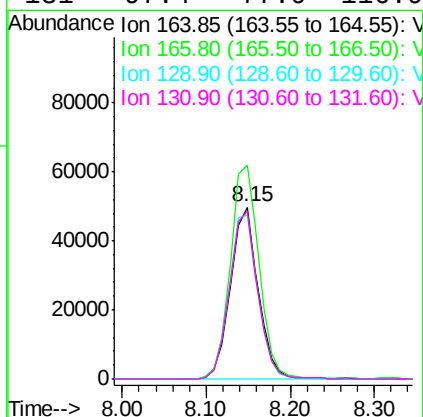
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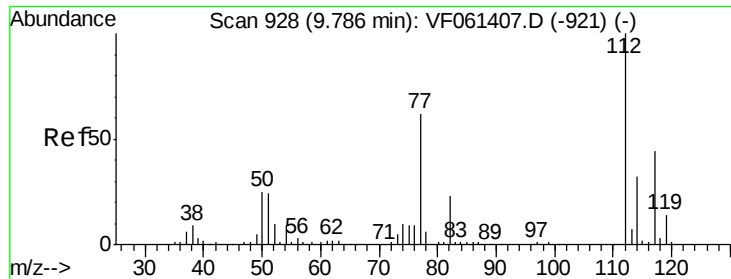
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#64
Tetrachloroethene
Concen: 51.460 ug/l
RT: 8.15 min Scan# 762
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	113699		
166	124.5		99.6	149.4
129	95.5		76.4	114.6
131	97.4		77.9	116.9





#65

Chlorobenzene

Concen: 48.531 ug/l

RT: 9.79 min Scan# 928

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampled :

VSTDICCC050

Tot Ion:112 Resp: 298310

Ion Ratio Lower Upper

112 100

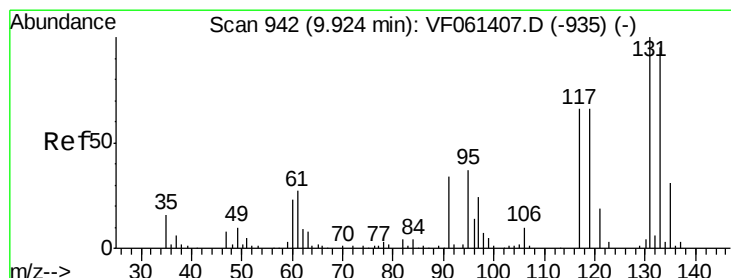
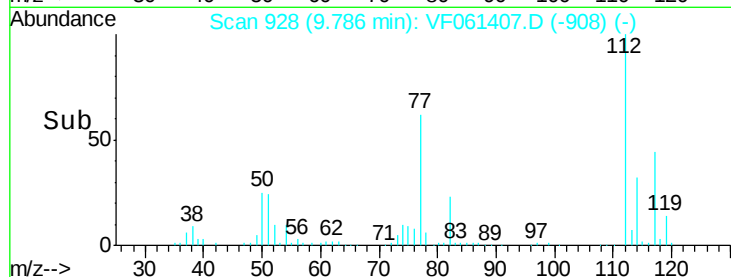
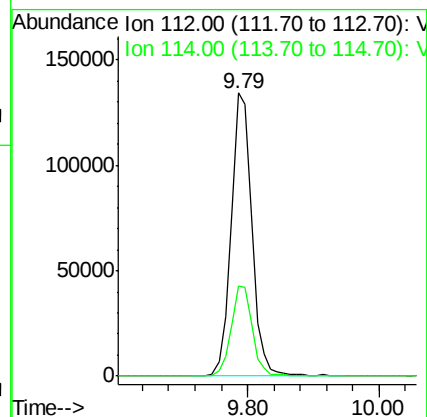
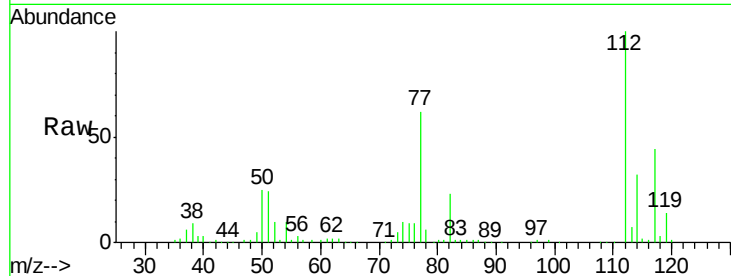
114 31.7 25.4 38.0

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#66

1,1,1,2-Tetrachloroethane

Concen: 48.798 ug/l

RT: 9.92 min Scan# 942

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

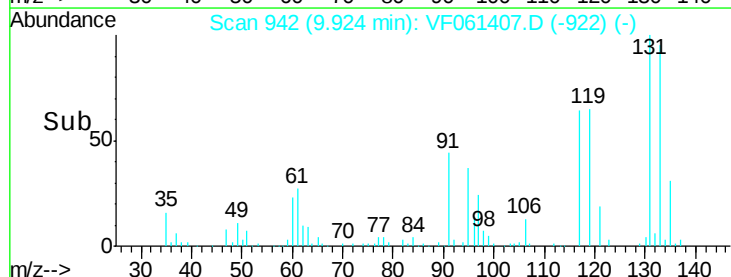
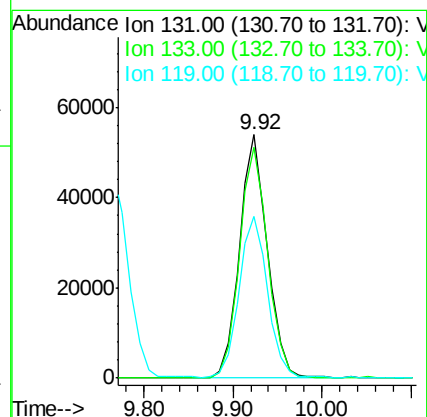
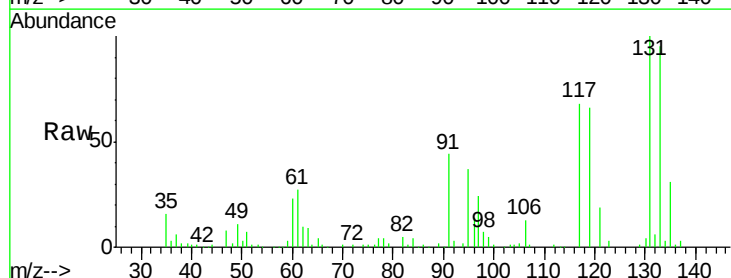
Tgt Ion:131 Resp: 117415

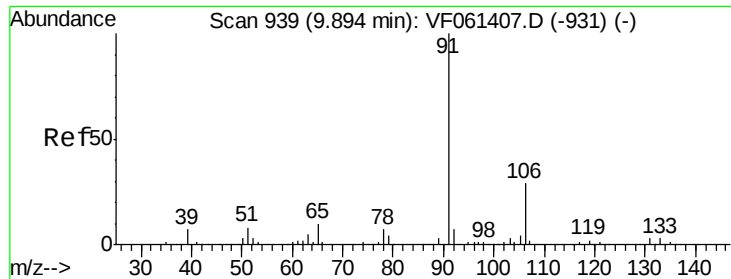
Ion Ratio Lower Upper

131 100

133 94.8 47.4 142.2

119 66.2 33.1 99.3





#67

Ethyl Benzene

Concen: 45.802 ug/l

RT: 9.89 min Scan# 939

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 521286

Ion Ratio Lower Upper

91 100

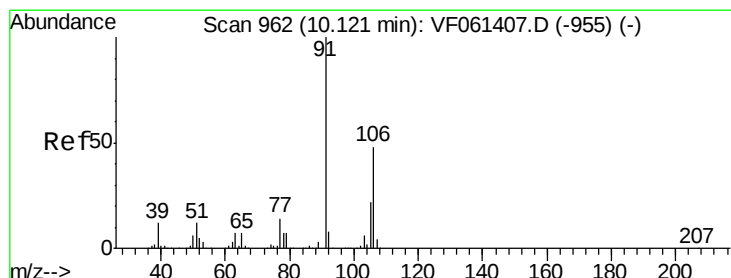
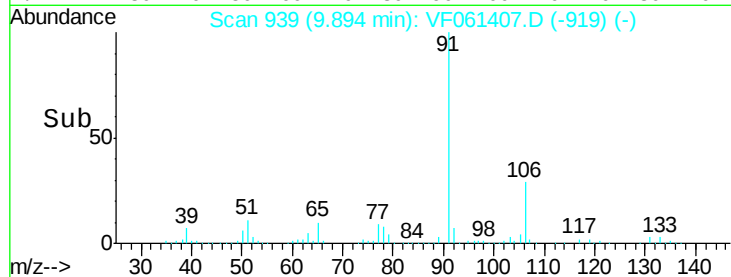
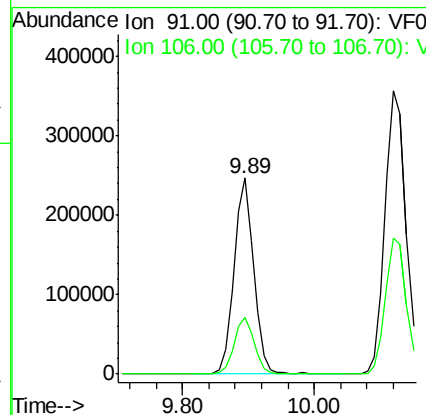
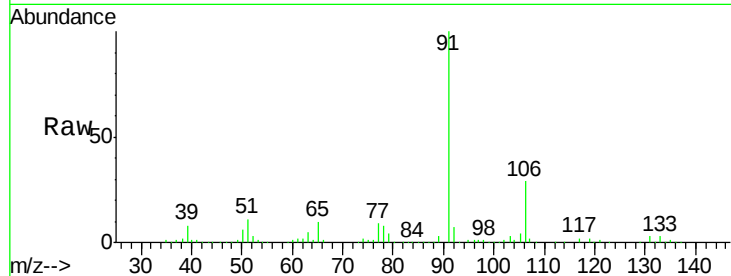
106 28.9 23.1 34.7

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#68

m/p-Xylenes

Concen: 92.491 ug/l

RT: 10.12 min Scan# 962

Delta R.T. 0.00 min

Lab File: VF061407.D

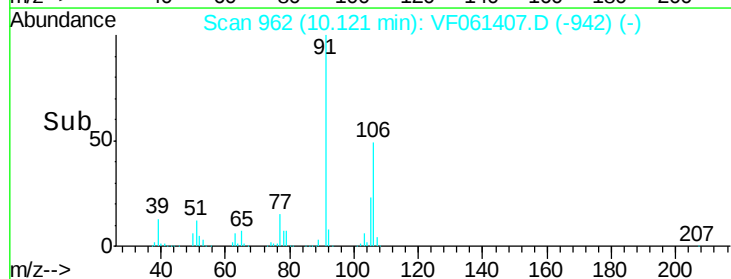
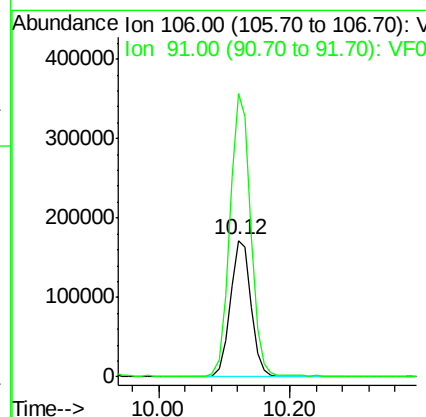
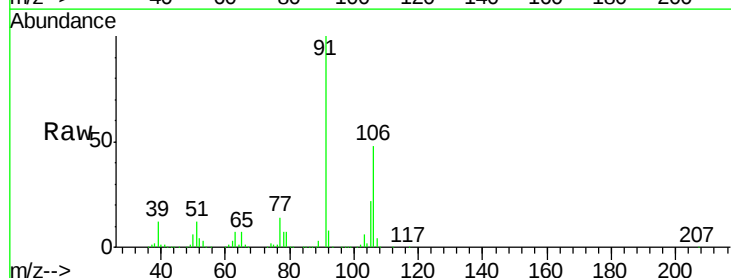
Acq: 15 Jan 2019 15:27

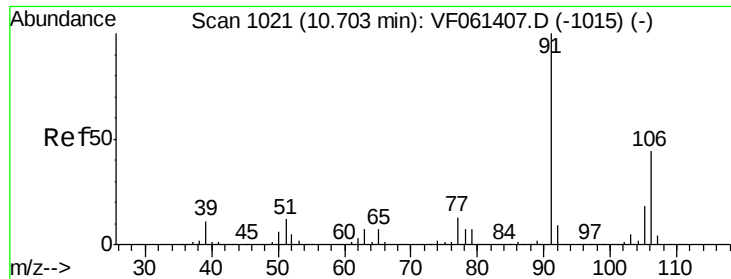
Tgt Ion: 106 Resp: 379764

Ion Ratio Lower Upper

106 100

91 207.8 166.2 249.4





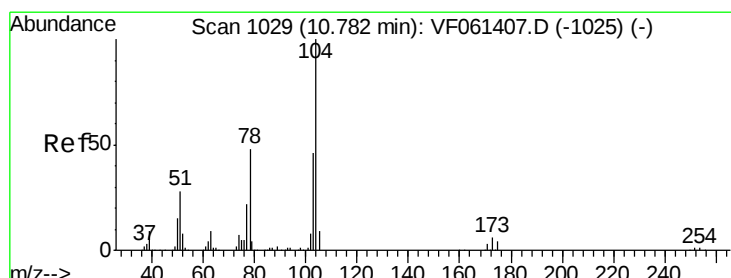
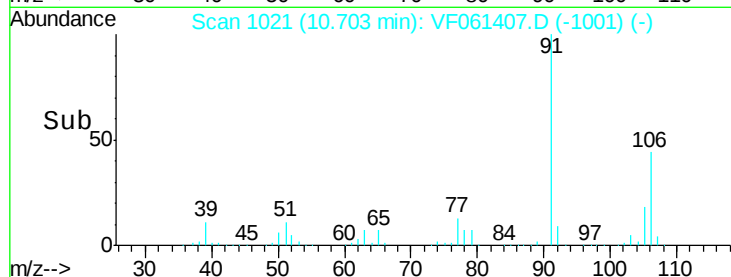
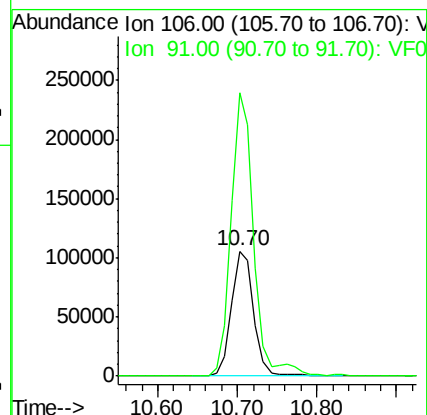
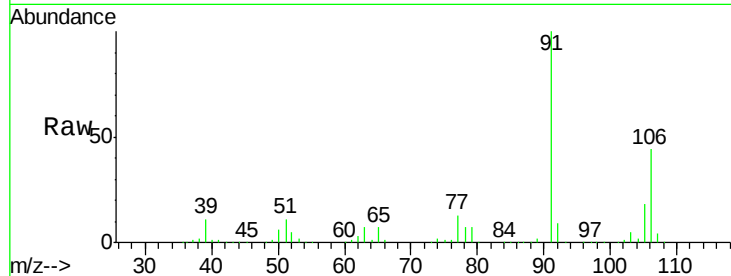
#69
o-Xylene
Concen: 47.127 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Instrument :
MSVOA_F
ClientSampled :
VSTDICCC050

Tot Ion:106 Resp: 206680
Ion Ratio Lower Upper
106 100
91 226.5 113.3 339.8

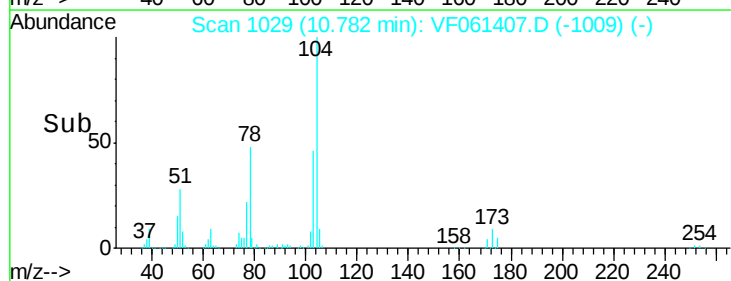
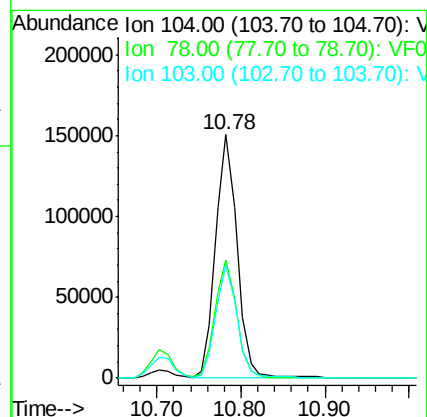
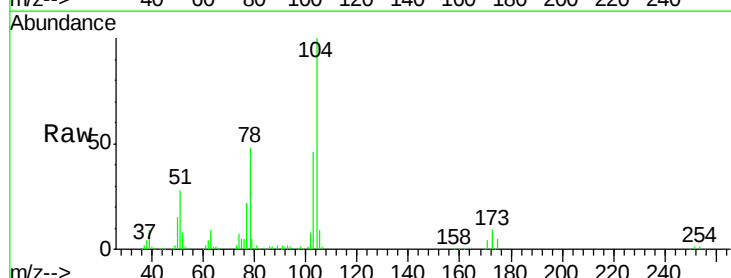
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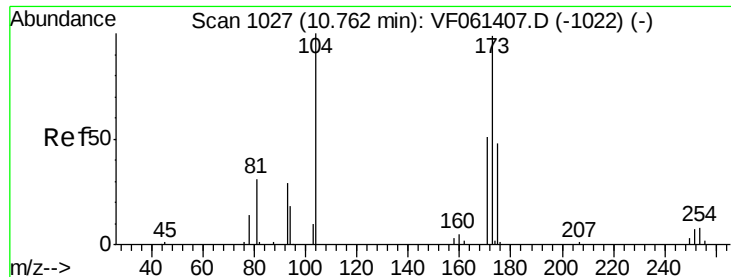
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#70
Styrene
Concen: 44.173 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion:104 Resp: 268893
Ion Ratio Lower Upper
104 100
78 48.5 38.8 58.2
103 46.3 37.0 55.6





#71

Bromoform

Concen: 53.565 ug/l

RT: 10.76 min Scan# 1027

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion:173 Resp: 55544

Ion Ratio Lower Upper

173 100

175 48.3 24.1 72.4

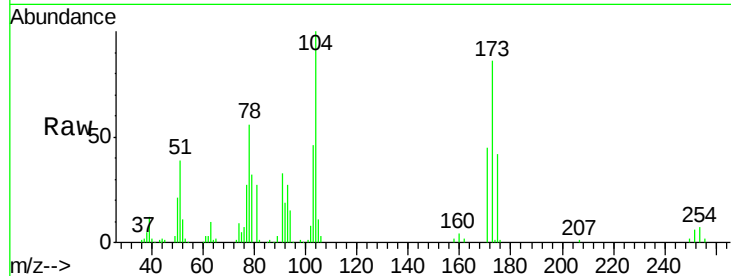
254 0.0 0.0 0.0

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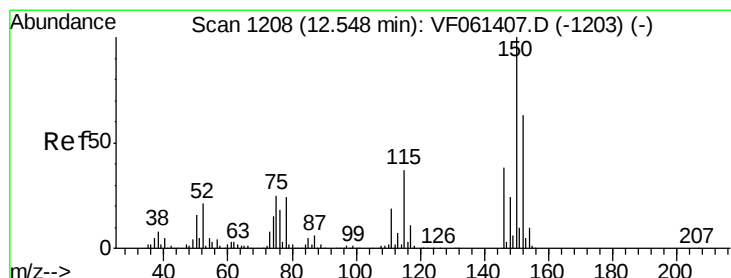
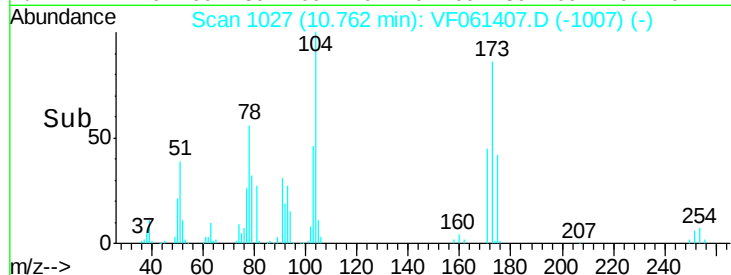
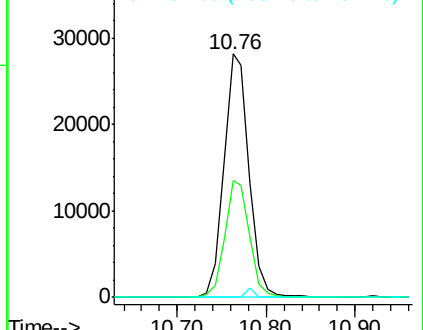
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

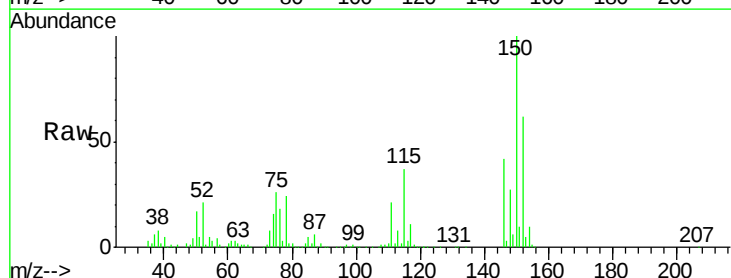
Tgt Ion:152 Resp: 142560

Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.0

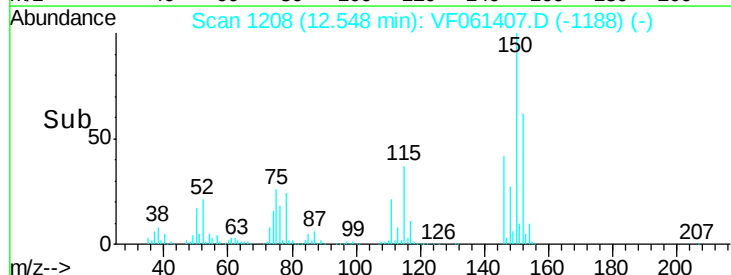
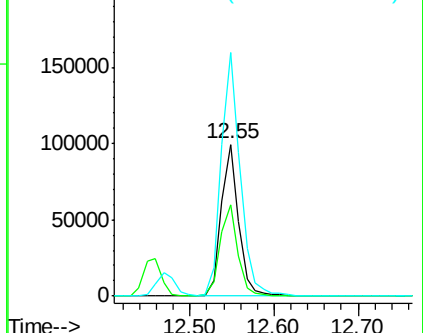
150 160.7 0.0 321.4

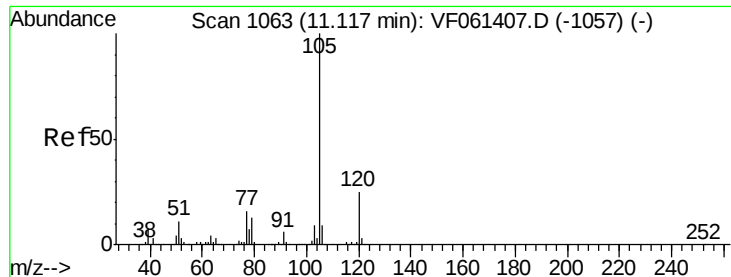


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 49.152 ug/l

RT: 11.12 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 105 Resp: 611978

Ion Ratio Lower Upper

105 100

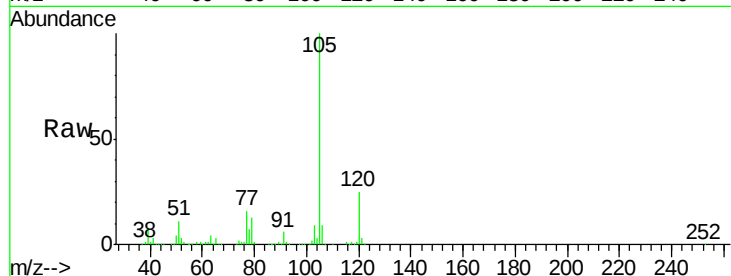
120 25.2 12.6 37.8

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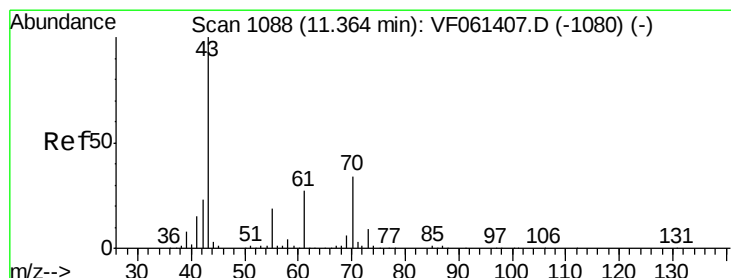
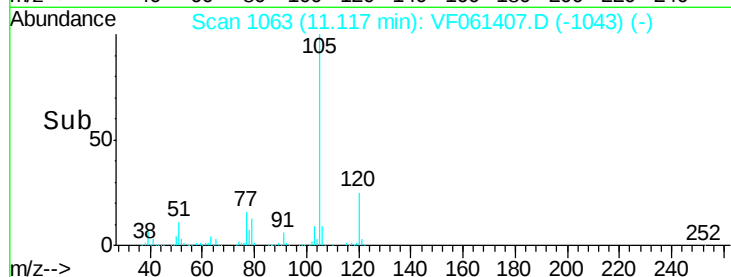
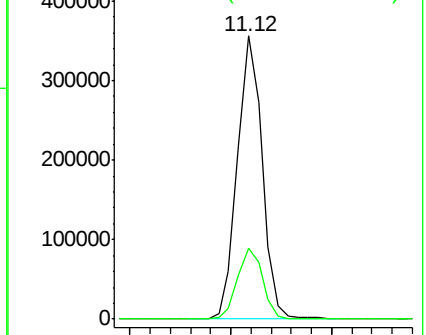
apatel

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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: 51.756 ug/l

RT: 11.36 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Tgt Ion: 43 Resp: 148002

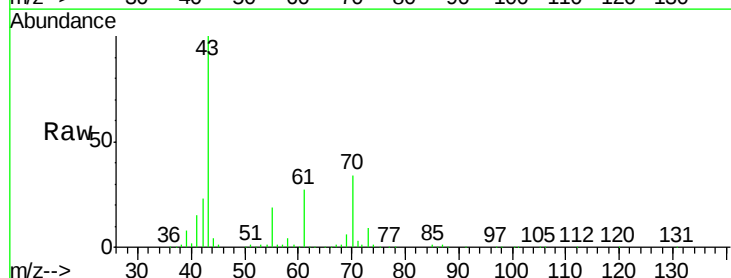
Ion Ratio Lower Upper

43 100

70 34.5 27.6 41.4

55 19.3 15.4 23.2

61 27.2 21.8 32.6

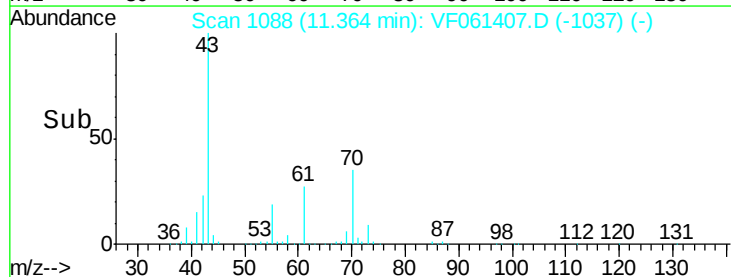
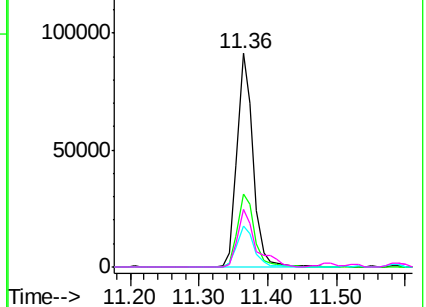


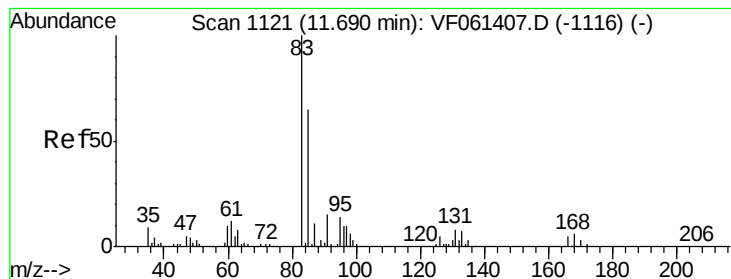
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 48.596 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

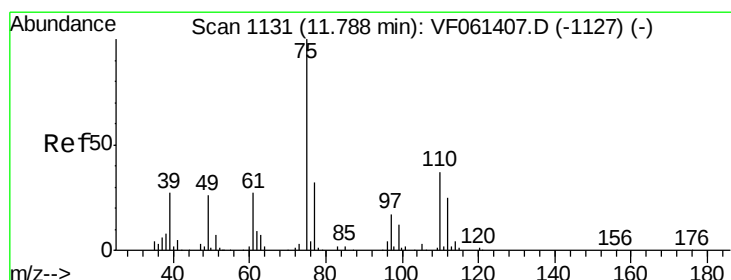
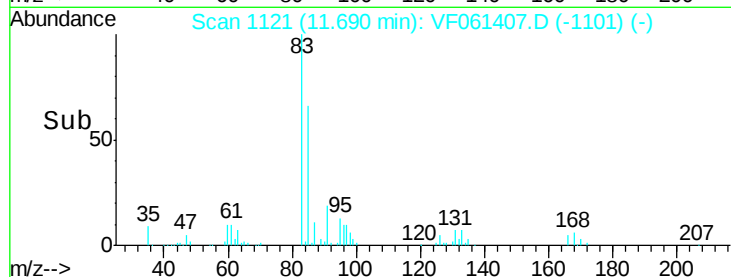
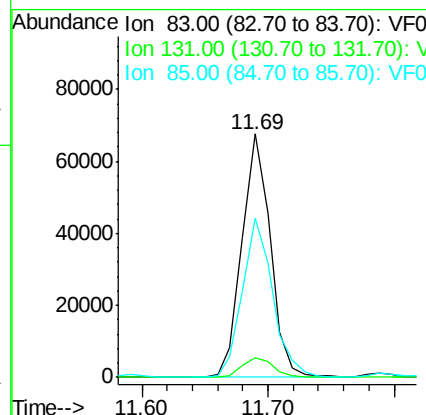
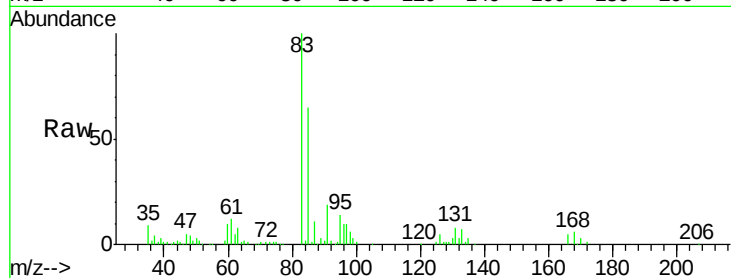
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	105235
Ion Ratio	Lower	Upper	
83	100		
131	8.1	4.0	12.2
85	65.4	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 49.559 ug/l

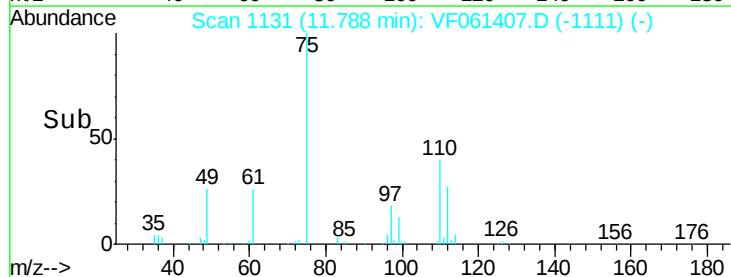
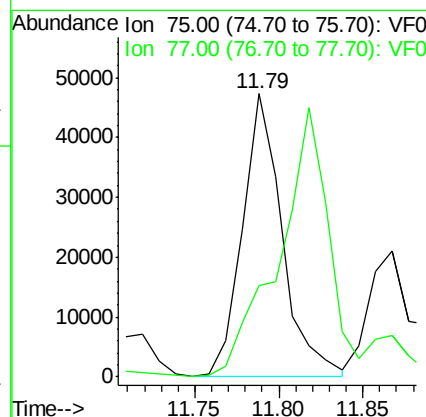
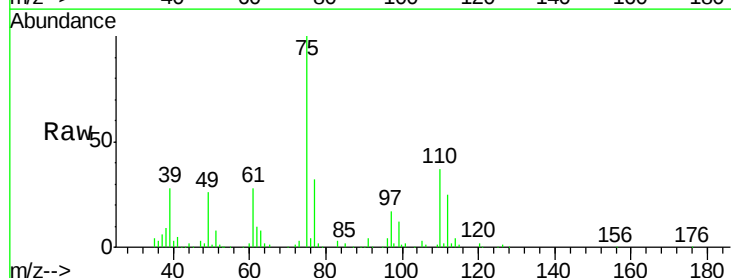
RT: 11.79 min Scan# 1131

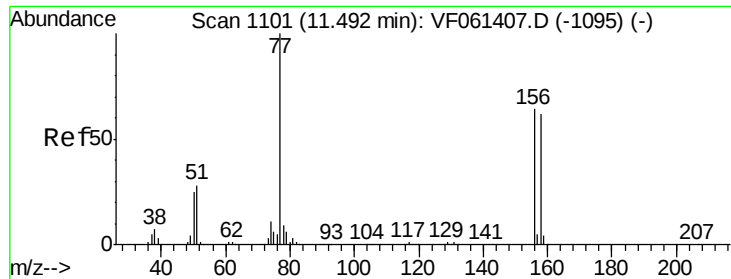
Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Tgt Ion:	75	Resp:	77141
Ion Ratio	Lower	Upper	
75	100		
77	32.2	16.1	48.3





#77

Bromobenzene

Concen: 51.469 ug/l

RT: 11.49 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

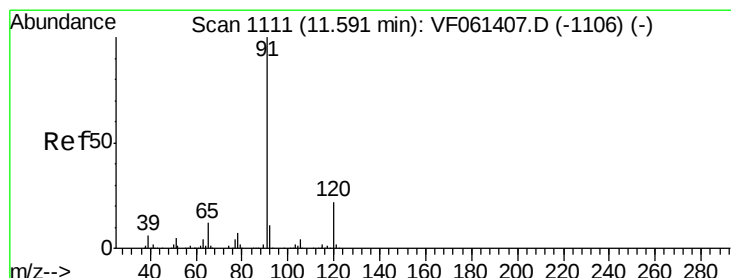
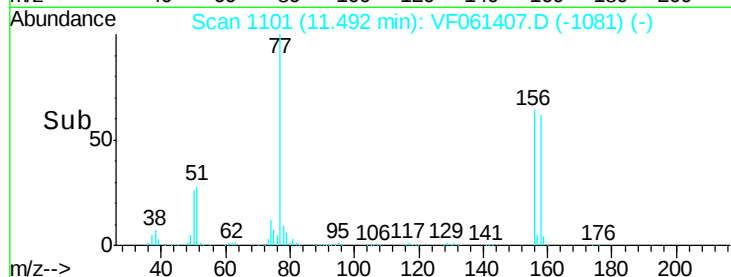
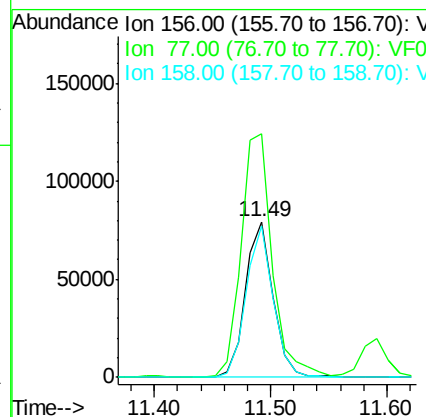
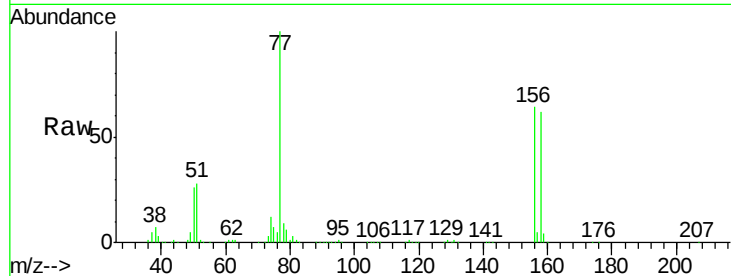
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		130805		
77	156.6	78.3	234.9		
158	97.8	48.9	146.7		

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#78

n-propylbenzene

Concen: 46.498 ug/l

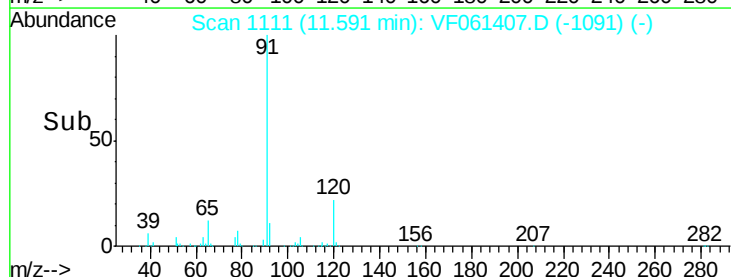
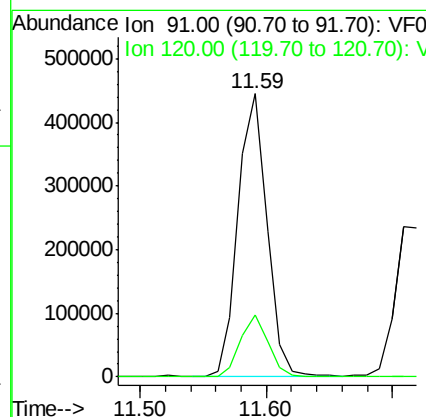
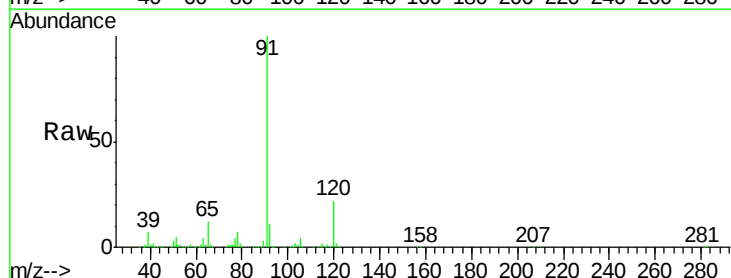
RT: 11.59 min Scan# 1111

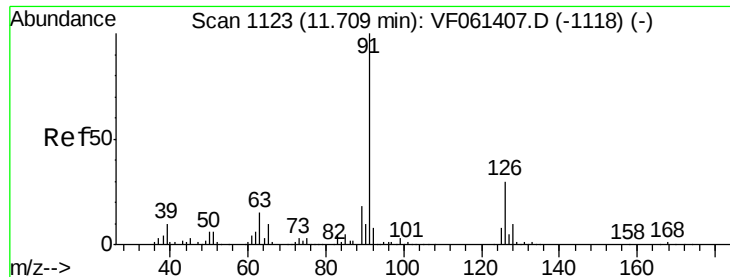
Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		705293		
120	21.7	10.9	32.6		





#79

2-Chlorotoluene

Concen: 47.313 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 407850

Ion Ratio Lower Upper

91 100

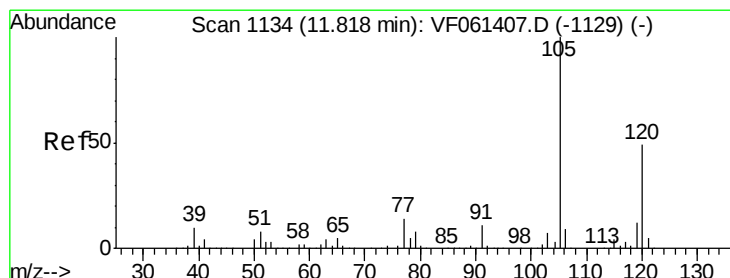
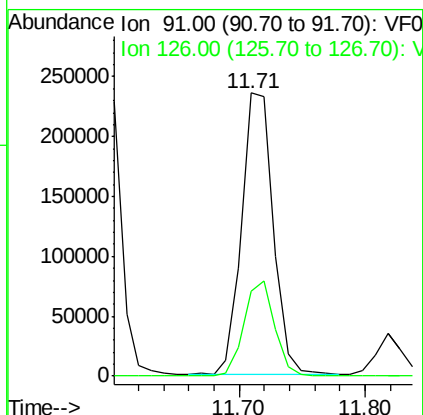
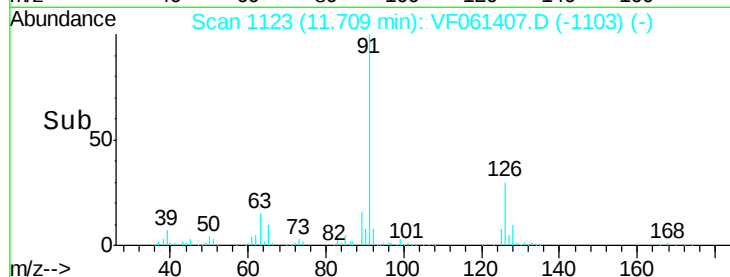
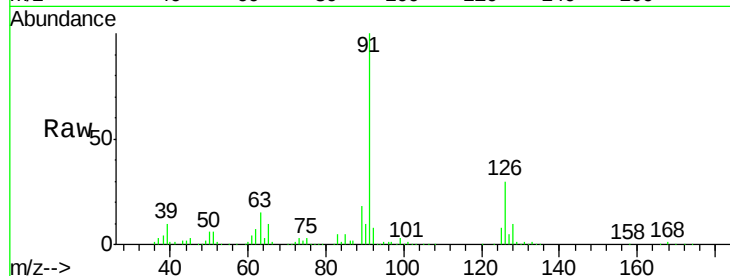
126 30.1 15.0 45.1

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#80

1,3,5-Trimethylbenzene

Concen: 48.482 ug/l

RT: 11.82 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF061407.D

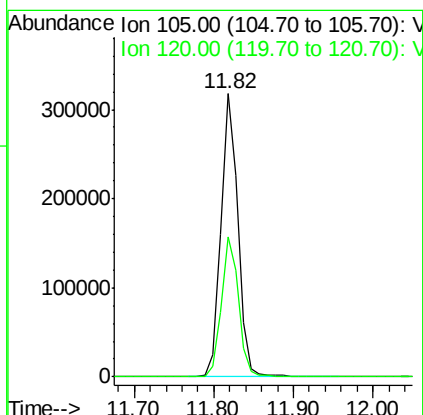
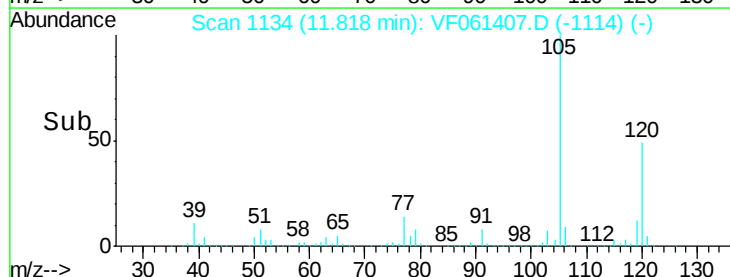
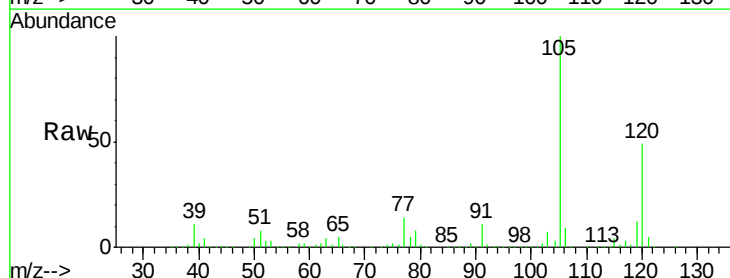
Acq: 15 Jan 2019 15:27

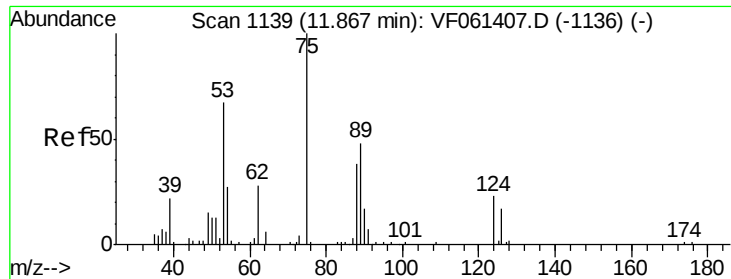
Tgt Ion:105 Resp: 481852

Ion Ratio Lower Upper

105 100

120 49.4 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 44.827 ug/l m

RT: 11.87 min Scan# 1139

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

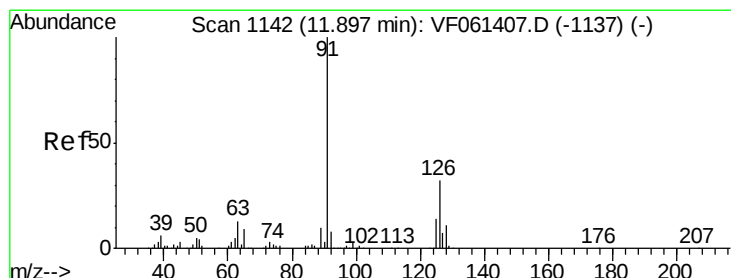
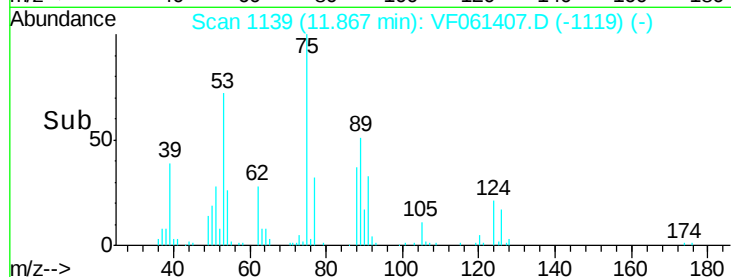
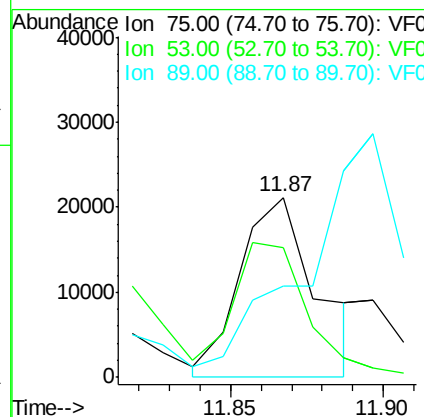
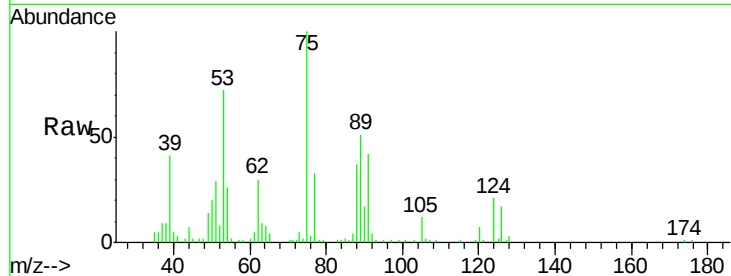
ClientSampleId :

VSTDICCC050

Tot Ion:	75	Resp:	36815
Ion	Ratio	Lower	Upper
75	100		
53	72.2	57.8	86.6
89	50.9	40.7	61.1

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#82

4-Chlorotoluene

Concen: 48.491 ug/l

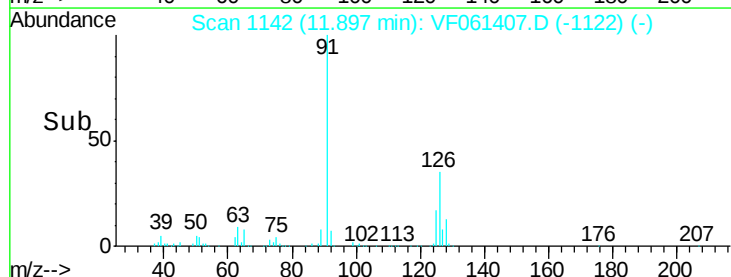
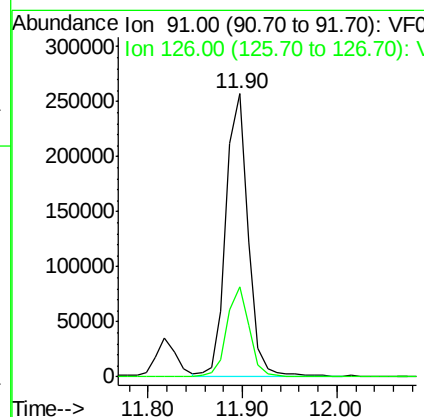
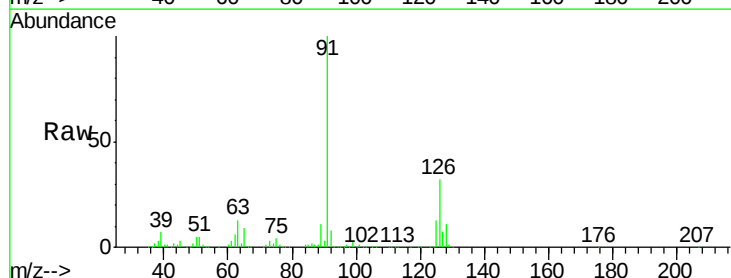
RT: 11.90 min Scan# 1142

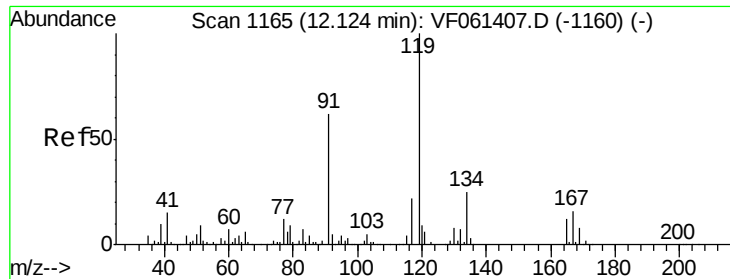
Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Tgt Ion:	91	Resp:	414018
Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.0	47.9





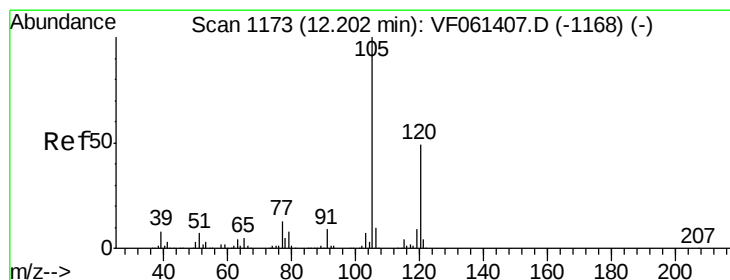
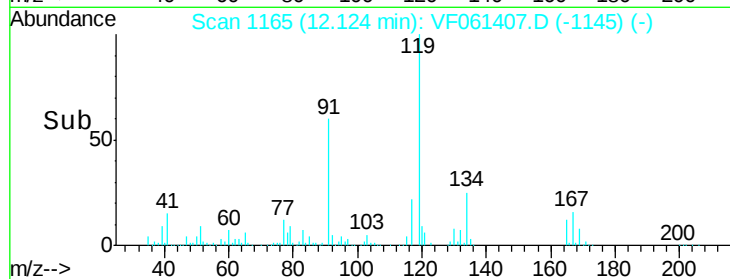
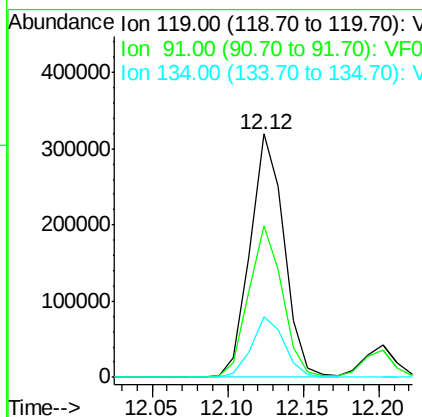
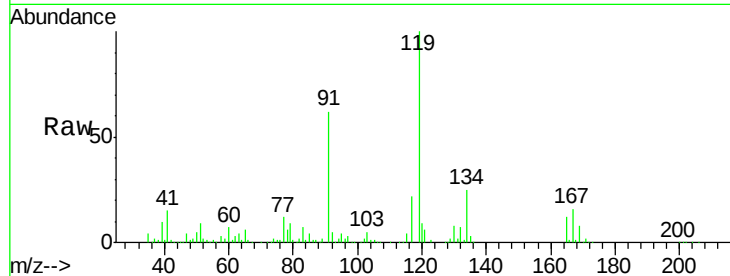
#83
 tert-Butylbenzene
 Concen: 48.633 ug/l
 RT: 12.12 min Scan# 1165
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	502611		
91	62.5	31.3	93.8	
134	24.7	12.4	37.0	

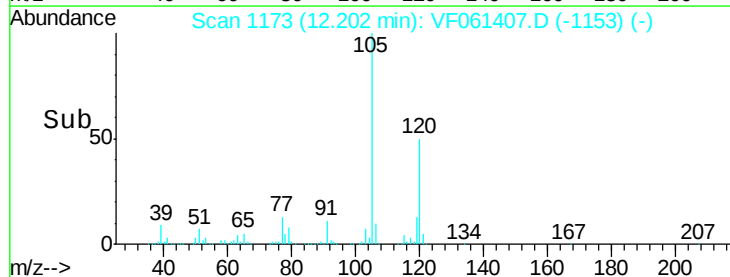
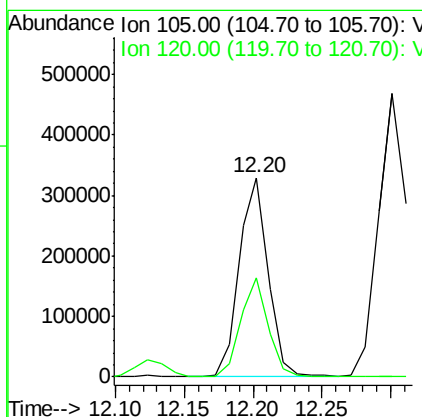
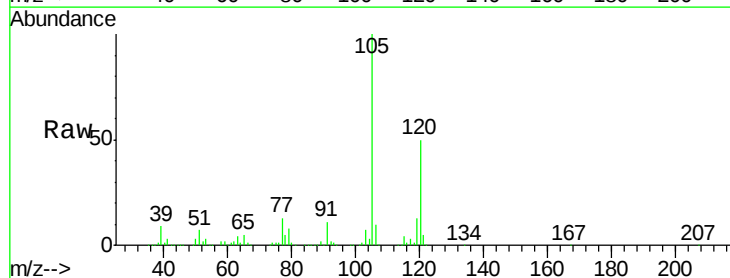
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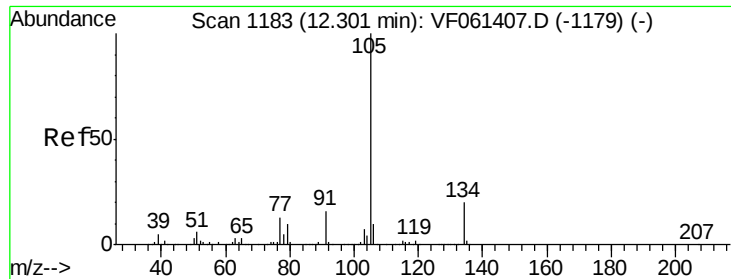
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.061 ug/l
 RT: 12.20 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	483852		
120	49.7	24.9	74.6	





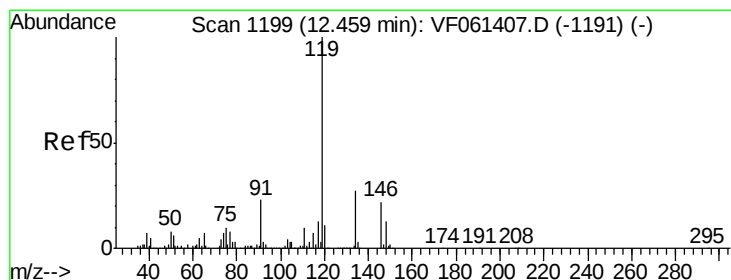
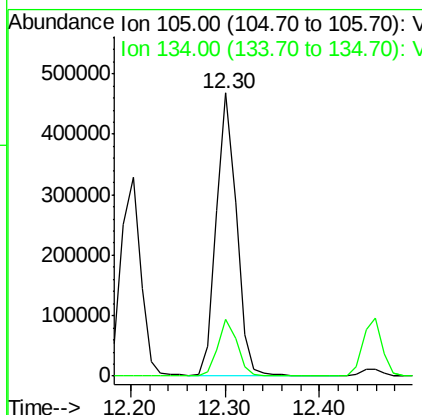
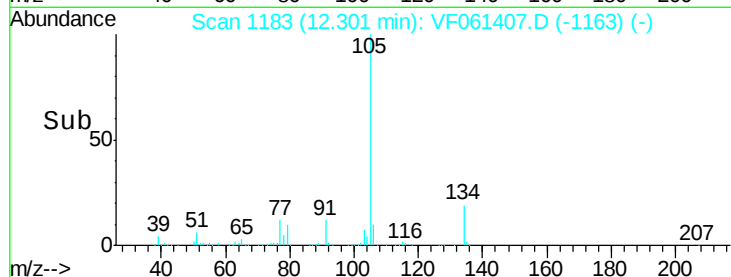
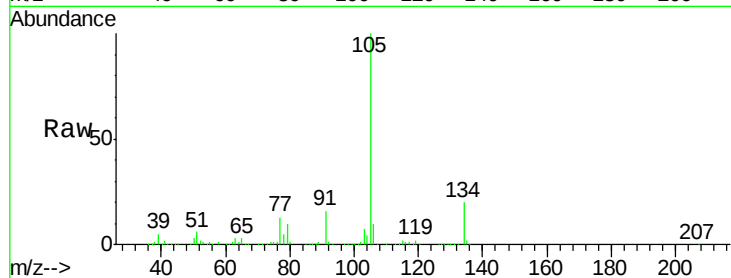
#85
 sec-Butylbenzene
 Concen: 49.348 ug/l
 RT: 12.30 min Scan# 1183
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.0	10.0	30.0

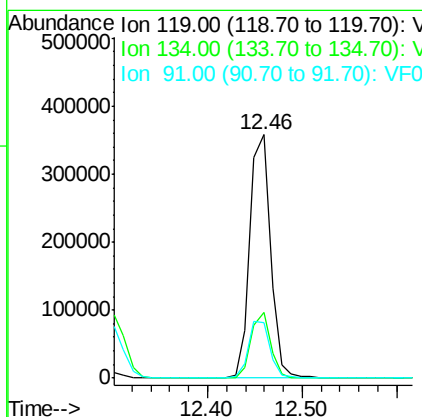
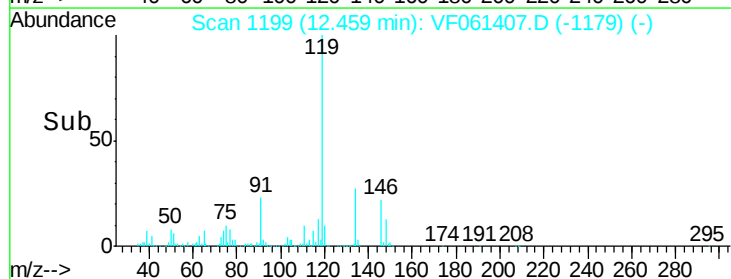
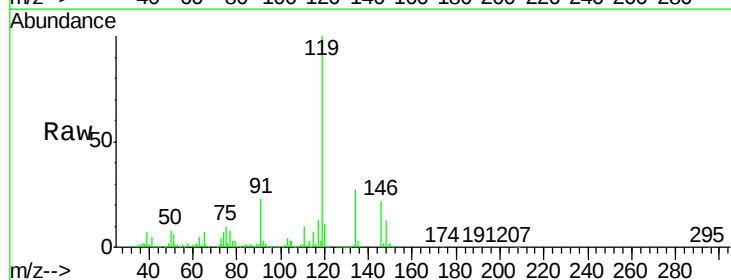
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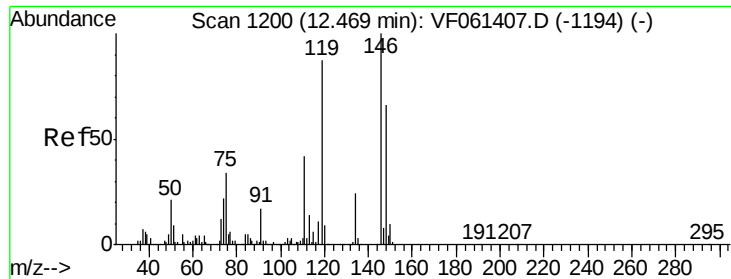
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#86
 p-Isopropyltoluene
 Concen: 46.842 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.4	40.2
91	22.8	11.4	34.2





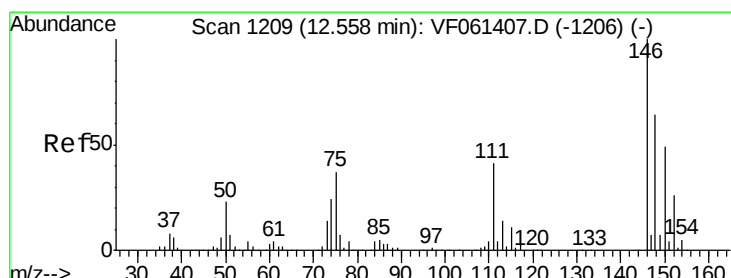
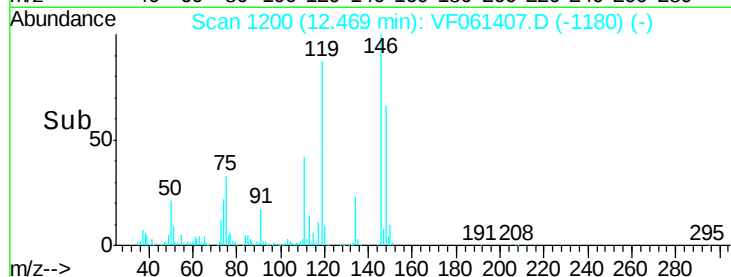
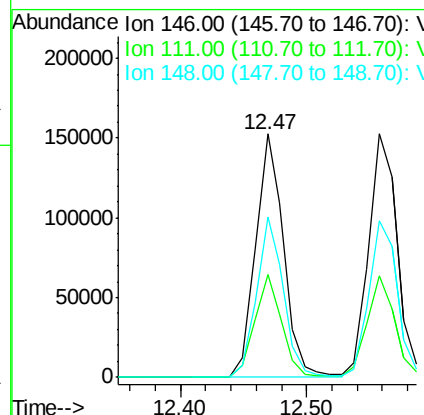
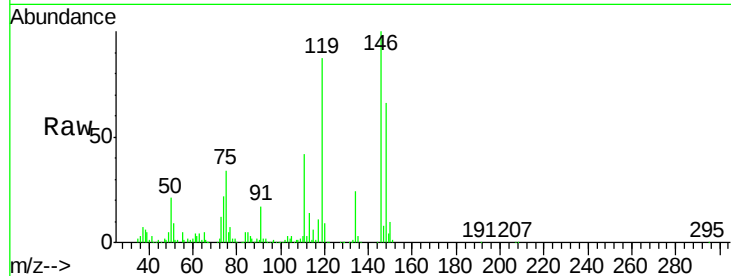
#87
 1,3-Dichlorobenzene
 Concen: 45.158 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.1	63.4
148	65.7	32.9	98.6

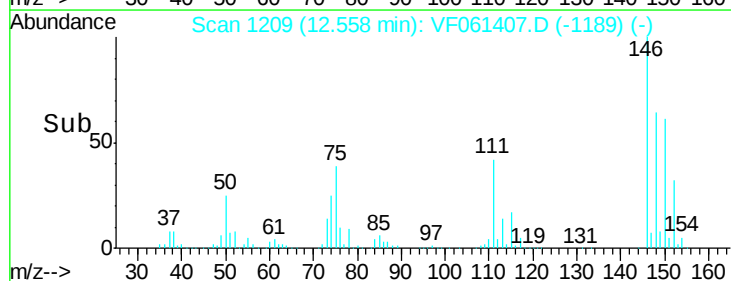
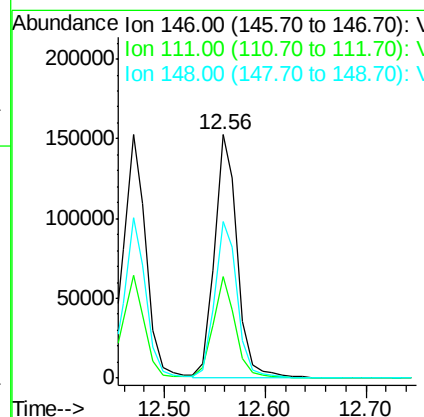
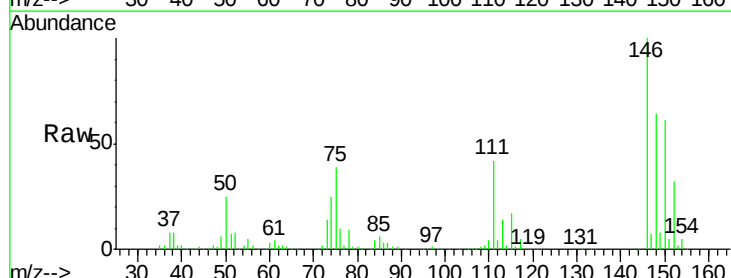
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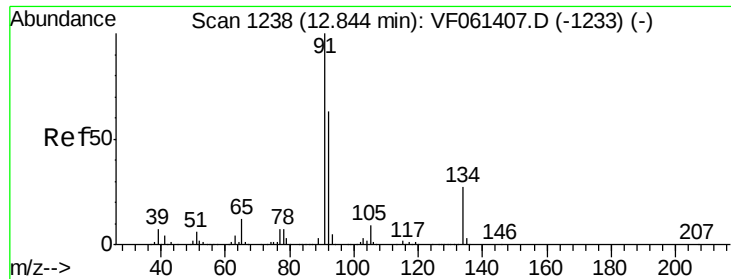
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#88
 1,4-Dichlorobenzene
 Concen: 50.490 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.2
148	64.3	32.1	96.5





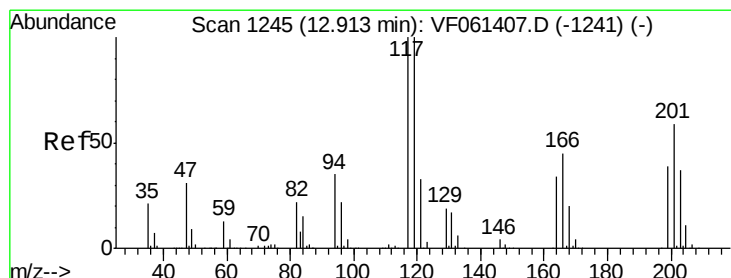
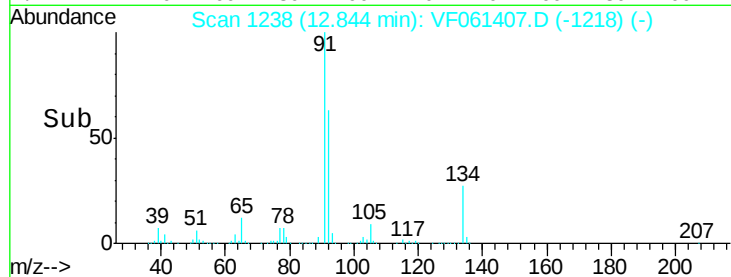
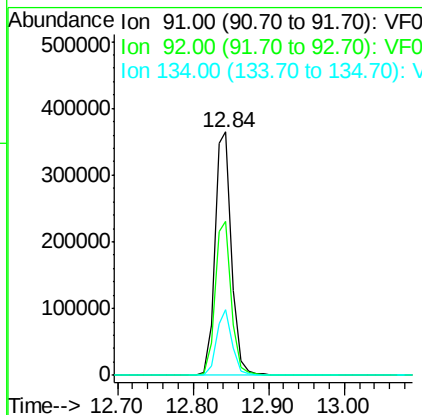
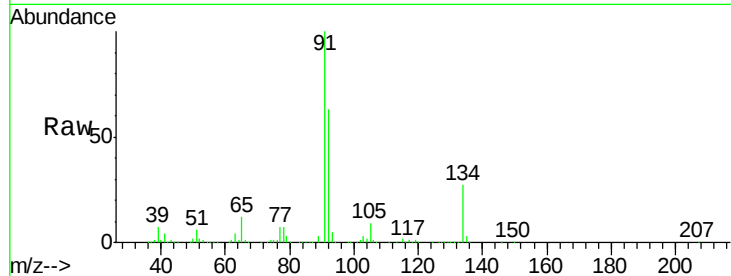
#89
n-Butylbenzene
Concen: 46.835 ug/l
RT: 12.84 min Scan# 1238
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Instrument :
MSVOA_F
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	566415		
92	63.1		31.6	94.7
134	27.2		13.6	40.8

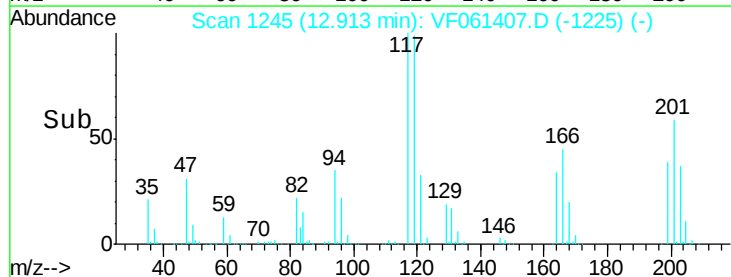
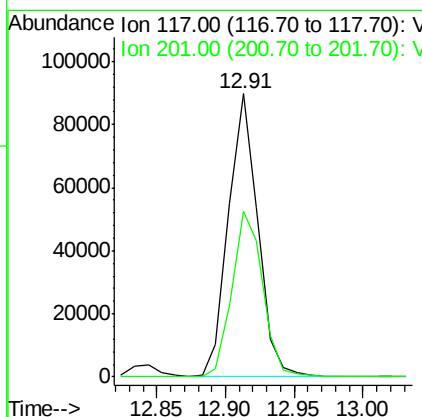
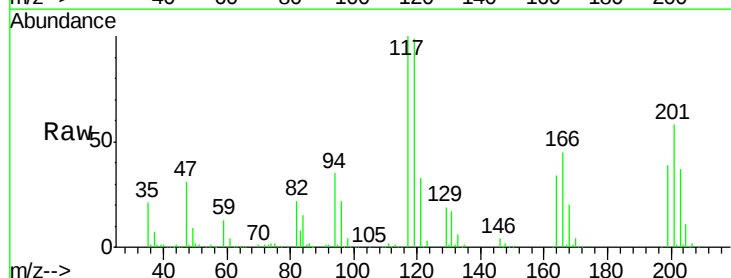
Manual Integrations
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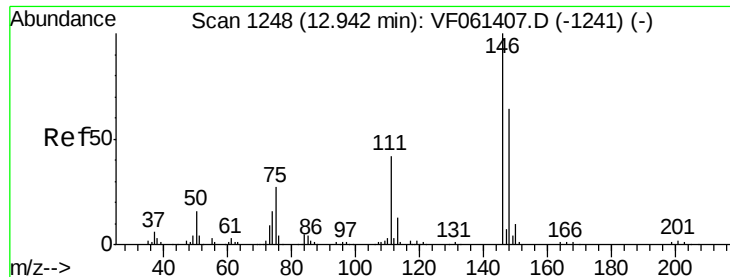
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#90
Hexachloroethane
Concen: 51.800 ug/l
RT: 12.91 min Scan# 1245
Delta R.T. 0.00 min
Lab File: VF061407.D
Acq: 15 Jan 2019 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	133798		
201	58.5		29.3	87.8





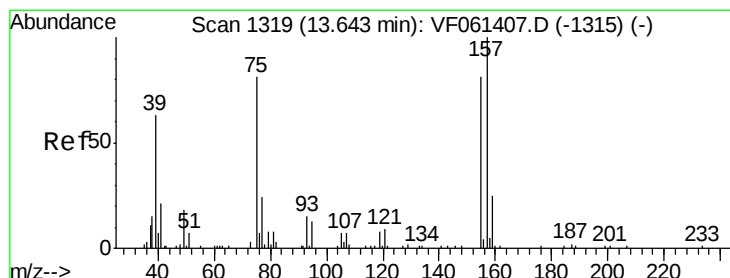
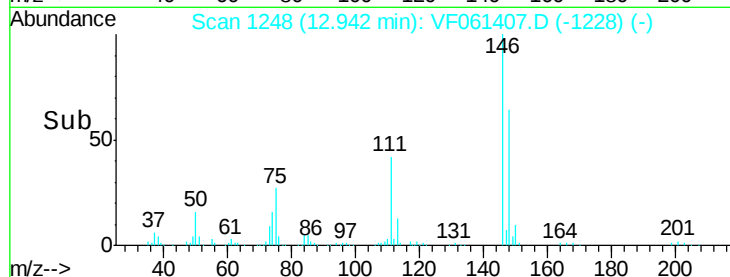
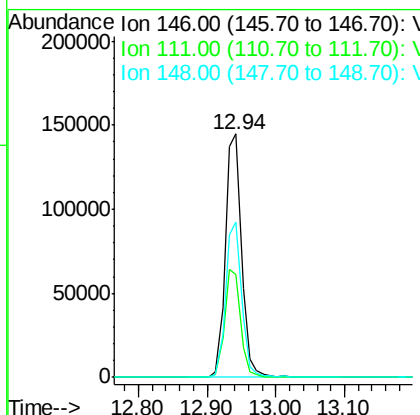
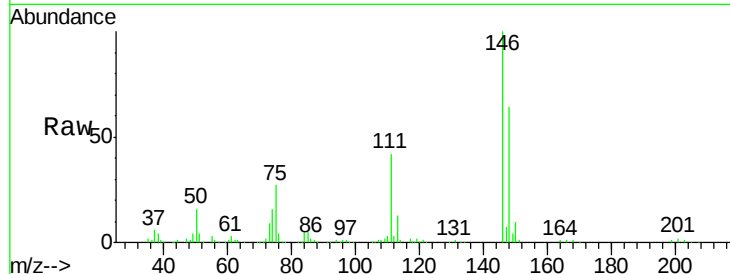
#91
 1,2-Dichlorobenzene
 Concen: 48.870 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.1	63.3
148	63.8	31.9	95.7

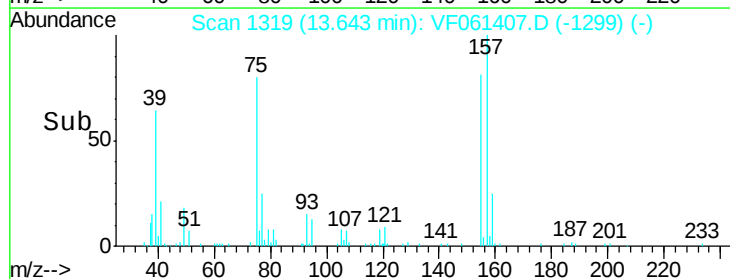
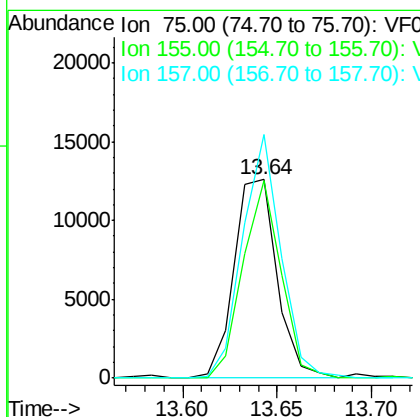
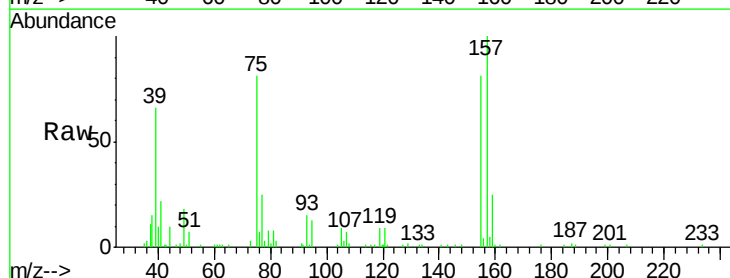
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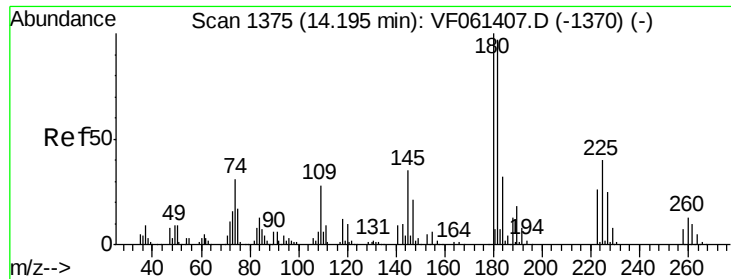
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.926 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.4	49.7	149.1
157	122.7	61.4	184.1





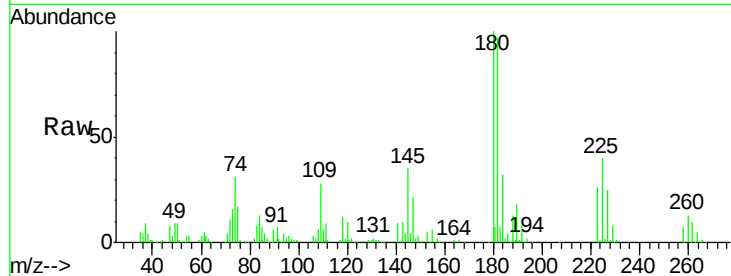
#93
 1,2,4-Trichlorobenzene
 Concen: 49.142 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICCC050

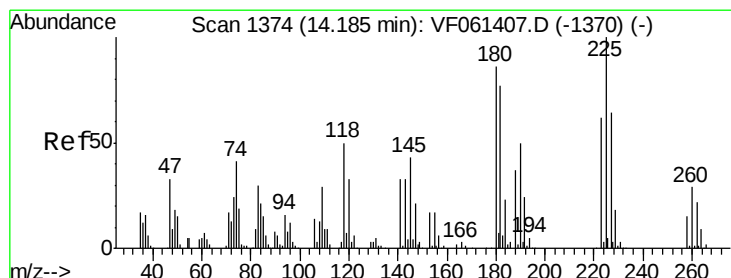
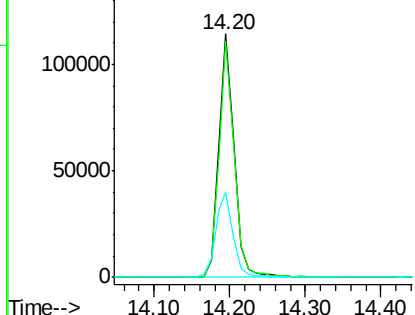
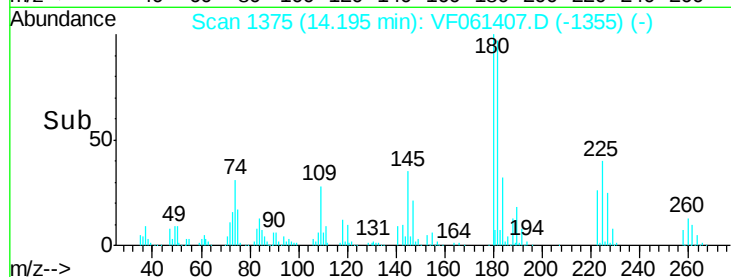
Tot Ion	Ratio	Resp	Lower	Upper
180	100	166974		
182	97.1	48.5	145.6	
145	35.1	17.5	52.6	

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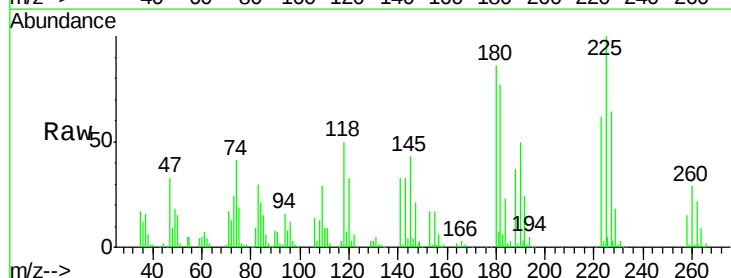


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

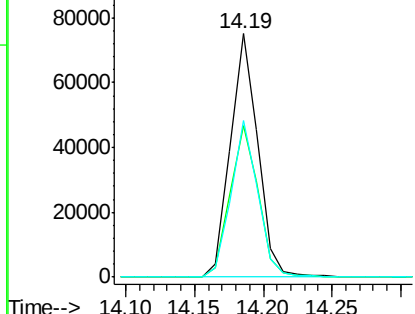
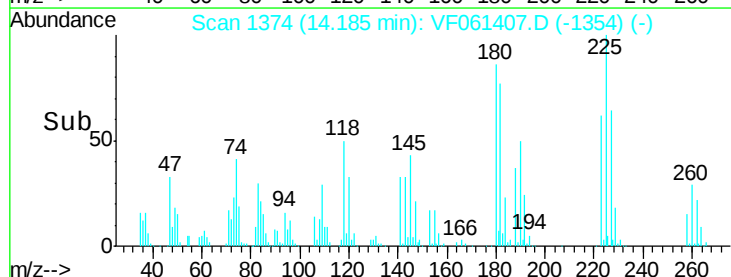


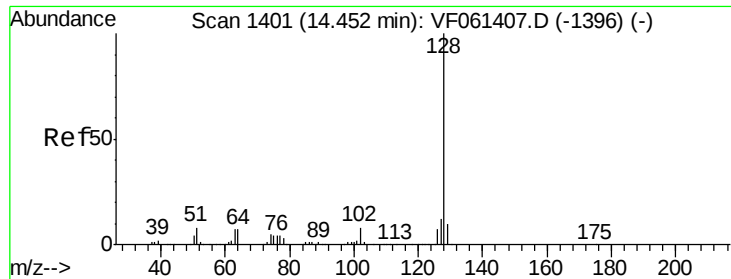
#94
 Hexachlorobutadiene
 Concen: 50.754 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. 0.00 min
 Lab File: VF061407.D
 Acq: 15 Jan 2019 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104425		
223	62.1	31.1	93.2	
227	64.4	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: 54.665 ug/l

RT: 14.45 min Scan# 1401

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Instrument :

MSVOA_F

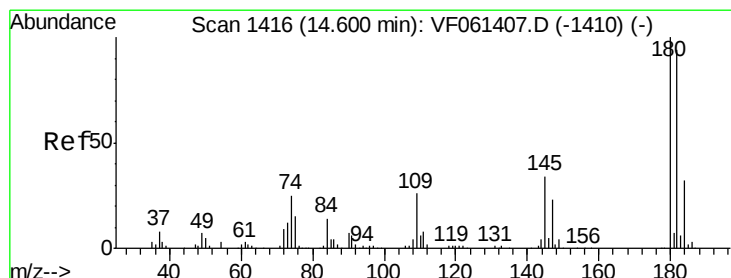
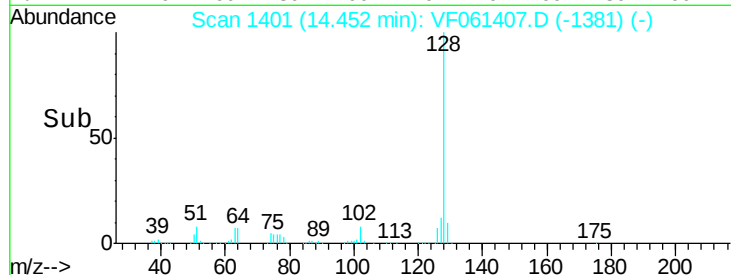
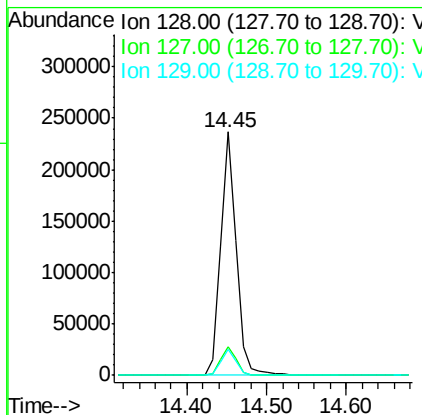
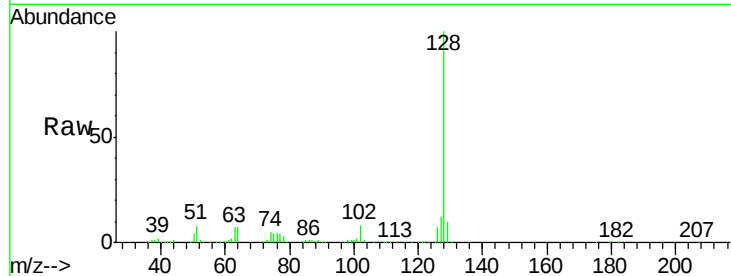
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	330614
Ion Ratio	Lower	Upper	
128	100		
127	11.9	9.5	14.3
129	10.5	8.4	12.6

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#96

1,2,3-Trichlorobenzene

Concen: 51.716 ug/l

RT: 14.60 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VF061407.D

Acq: 15 Jan 2019 15:27

Tgt Ion:	180	Resp:	157836
Ion Ratio	Lower	Upper	
180	100		
182	94.1	47.0	141.2
145	34.1	17.1	51.2

