

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF011519\
 Data File : VF061410.D
 Acq On : 15 Jan 2019 16:53
 Operator : VA/AP
 Sample : VSTDIC150
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

apatel
 1/16/2019 4:06:09 PM

Quant Time: Jan 16 04:05:02 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	174392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	309412	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	296840	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	153942	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.84	65	333613	156.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.66%	
35) Dibromofluoromethane	4.11	113	342040	136.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	273.50%	
50) Toluene-d8	7.55	98	944622	139.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	279.44%	
62) 4-Bromofluorobenzene	11.41	95	422536	129.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	258.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	490492	141.920	ug/l	93
3) Chloromethane	1.09	50	347766	132.732	ug/l	97
4) Vinyl Chloride	1.13	62	309219	133.984	ug/l	98
5) Bromomethane	1.32	94	202124	127.907	ug/l	100
6) Chloroethane	1.38	64	132848	127.419	ug/l	99
7) Trichlorofluoromethane	1.49	101	588633	128.100	ug/l	95
8) Diethyl Ether	1.62	74	75012	130.194	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.82	101	281877	131.288	ug/l	99
10) Methyl Iodide	1.90	142	457781m	137.609	ug/l	
11) Tert butyl alcohol	2.57	59	68978	745.525	ug/l	96
12) 1,1-Dichloroethene	1.78	96	220754	138.400	ug/l	91
13) Acrolein	2.00	56	61000	708.786	ug/l	100
14) Allyl chloride	2.09	41	388100	135.265	ug/l	96
15) Acrylonitrile	2.94	53	167024	692.513	ug/l	96
16) Acetone	2.24	43	280176	609.943	ug/l	100
17) Carbon Disulfide	1.82	76	690327	138.744	ug/l	99
18) Methyl Acetate	2.34	43	108793	100.379	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	492032	138.406	ug/l	97
20) Methylene Chloride	2.18	84	218379m	120.878	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	235844	133.092	ug/l	94
22) Diisopropyl ether	2.80	45	817717	146.537	ug/l	99
23) Vinyl Acetate	3.18	43	1798369	847.041	ug/l	99
24) 1,1-Dichloroethane	2.87	63	495677	139.488	ug/l	97
25) 2-Butanone	4.33	43	529777	724.093	ug/l	97
26) 2,2-Dichloropropane	3.59	77	283836	123.988	ug/l	99
27) cis-1,2-Dichloroethene	3.47	96	364043	142.206	ug/l	97
28) Bromochloromethane	3.72	49	204036	123.344	ug/l #	98
29) Tetrahydrofuran	4.07	42	203728	632.899	ug/l	96
30) Chloroform	3.85	83	651849	135.926	ug/l	96
31) Cyclohexane	3.69	56	466021m	128.516	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	477994	131.071	ug/l	95
36) 1,1-Dichloropropene	4.28	75	508012	138.453	ug/l	96
37) Ethyl Acetate	4.11	43	189958	127.505	ug/l #	77
38) Carbon Tetrachloride	3.98	117	434141	109.214	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	541934	133.779	ug/l	97
40) Benzene	4.62	78	1114914	133.991	ug/l	98
41) Methacrylonitrile	4.74	41	109680	139.770	ug/l	90
42) 1,2-Dichloroethane	4.94	62	417931	144.915	ug/l	97
43) Isopropyl Acetate	6.95	43	270156	151.655	ug/l #	90
44) Trichloroethene	5.50	130	342006	133.796	ug/l	98
45) 1,2-Dichloropropane	6.23	63	289325	135.646	ug/l	99
46) Dibromomethane	6.08	93	202439	144.765	ug/l	98
47) Bromodichloromethane	6.38	83	516055	150.816	ug/l	99
48) Methyl methacrylate	6.71	41	182105	151.419	ug/l	91
49) 1,4-Dioxane	6.70	88	23787	2648.037	ug/l #	88
51) 4-Methyl-2-Pentanone	8.25	43	860882	617.074	ug/l	96
52) Toluene	7.62	92	680061	123.080	ug/l	94
53) t-1,3-Dichloropropene	8.27	75	392421	142.162	ug/l	96
54) cis-1,3-Dichloropropene	7.30	75	483236	139.185	ug/l	95
55) 1,1,2-Trichloroethane	8.49	97	216600	144.235	ug/l	98
56) Ethyl methacrylate	8.62	69	262499	152.531	ug/l	97
57) 1,3-Dichloropropane	8.85	76	410423	147.332	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.30	63	145831	1252.595	ug/l	96
59) 2-Hexanone	9.49	43	586755	604.222	ug/l	99
60) Dibromochloromethane	8.72	129	333525	156.266	ug/l	99
61) 1,2-Dibromoethane	8.98	107	246001	143.175	ug/l	91
64) Tetrachloroethene	8.14	164	305395	135.060	ug/l	99
65) Chlorobenzene	9.80	112	800092	127.189	ug/l	95
66) 1,1,1,2-Tetrachloroethane	9.93	131	328933	133.579	ug/l	98
67) Ethyl Benzene	9.90	91	1378336	118.337	ug/l	96
68) m/p-Xylenes	10.14	106	970305	230.913	ug/l	88
69) o-Xylene	10.71	106	546549	121.774	ug/l	90
70) Styrene	10.79	104	726688	116.650	ug/l	99
71) Bromoform	10.77	173	159696	150.485	ug/l #	96
73) Isopropylbenzene	11.12	105	1489142	110.759	ug/l	95
74) N-amyl acetate	11.37	43	362439	117.373	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.70	83	281213	120.259	ug/l	99
76) 1,2,3-Trichloropropane	11.79	75	204273	121.531	ug/l	96
77) Bromobenzene	11.50	156	338268	123.260	ug/l	94
78) n-propylbenzene	11.60	91	1701345	103.872	ug/l	95
79) 2-Chlorotoluene	11.72	91	1058306	113.692	ug/l	95
80) 1,3,5-Trimethylbenzene	11.82	105	1216575	113.356	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.86	75	93061m	104.935	ug/l	
82) 4-Chlorotoluene	11.90	91	1079168	117.050	ug/l	94
83) tert-Butylbenzene	12.13	119	1229567	110.176	ug/l	96
84) 1,2,4-Trimethylbenzene	12.21	105	1252048	112.774	ug/l	96
85) sec-Butylbenzene	12.31	105	1689927	111.343	ug/l	96
86) p-Isopropyltoluene	12.45	119	1327914	105.093	ug/l	96
87) 1,3-Dichlorobenzene	12.47	146	604540	107.157	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	661808	128.056	ug/l	96
89) n-Butylbenzene	12.84	91	1338119	102.465	ug/l	95
90) Hexachloroethane	12.92	117	367057	131.600	ug/l	87
91) 1,2-Dichlorobenzene	12.94	146	601811	114.473	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.64	75	58449	147.456	ug/l	80

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	419181	114.247	ug/l	98
94) Hexachlorobutadiene	14.19	225	271435	122.173	ug/l	97
95) Naphthalene	14.46	128	932858	142.839	ug/l	98
96) 1,2,3-Trichlorobenzene	14.60	180	427088	129.591	ug/l	97

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

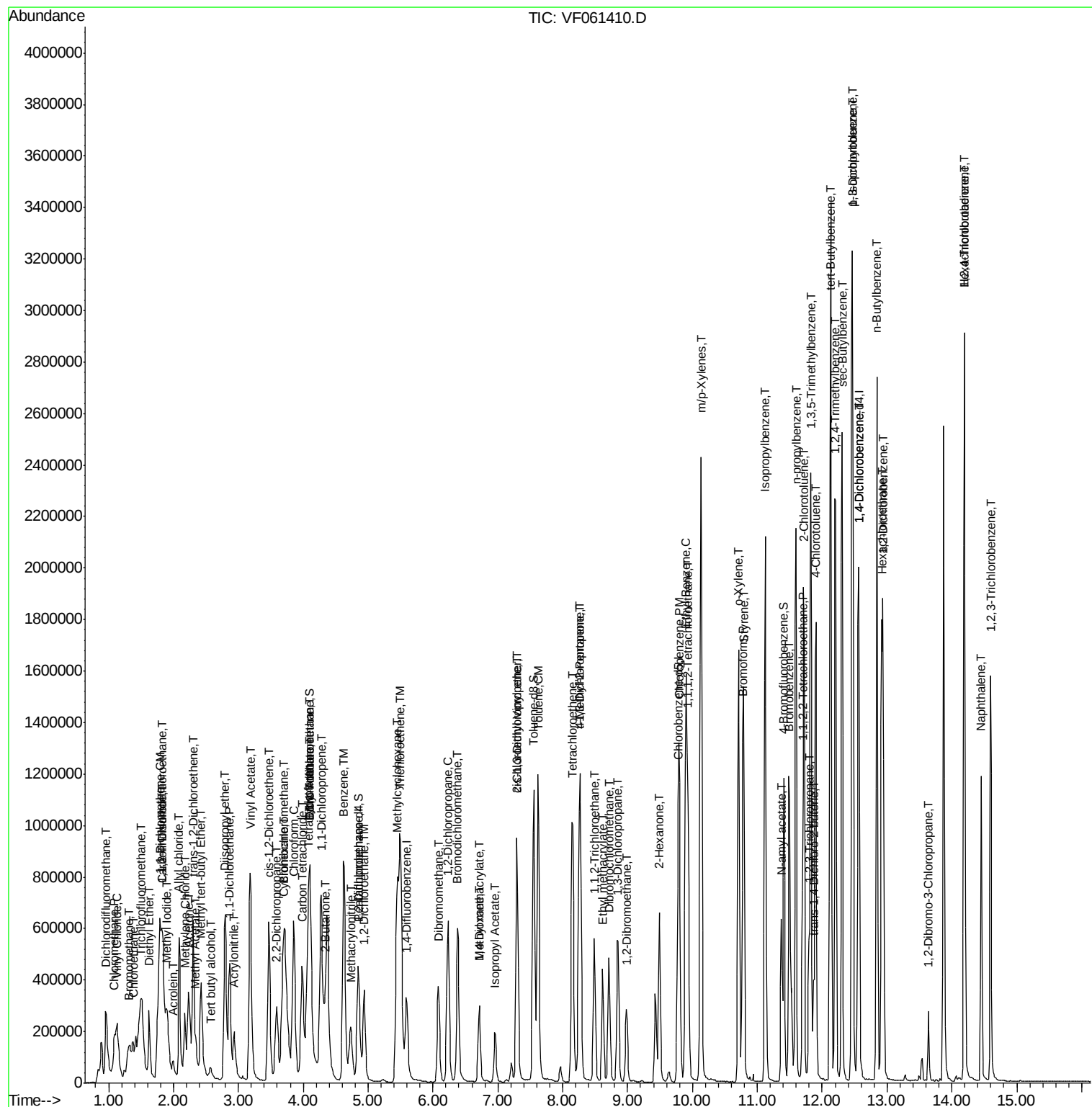
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Data File : VF061410.D
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Sample : VSTDIC150
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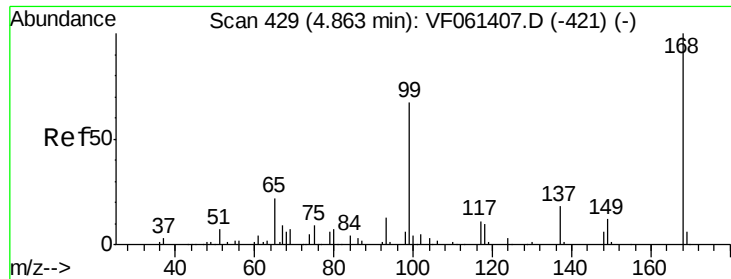
Instrument :
MSVOA_F
ClientSampleId :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 429

Delta R.T. -0.00 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 174392

Ion Ratio Lower Upper

168 100

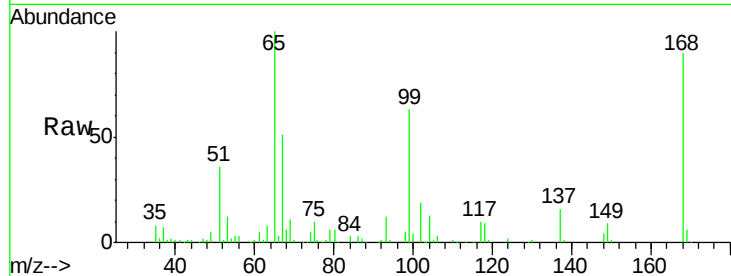
99 70.2 53.5 80.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

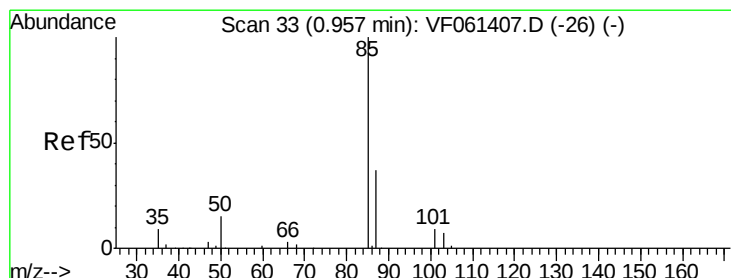
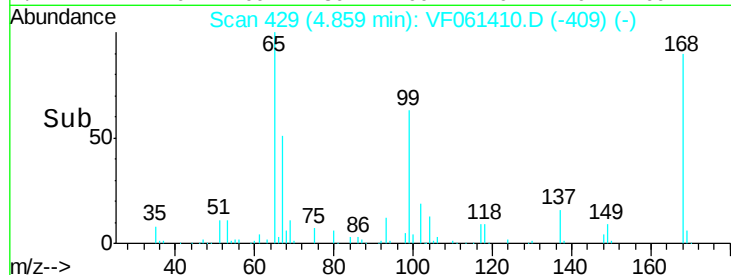
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00



#2

Dichlorodifluoromethane

Concen: 141.920 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061410.D

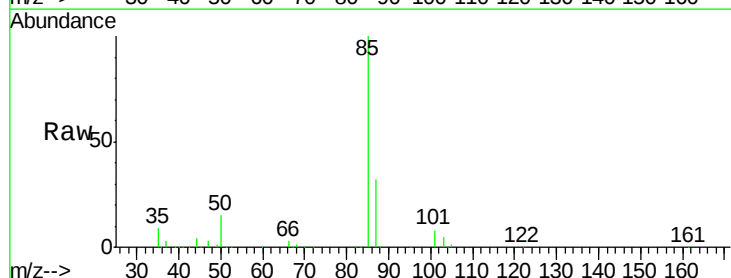
Acq: 15 Jan 2019 16:53

Tgt Ion: 85 Resp: 490492

Ion Ratio Lower Upper

85 100

87 32.4 18.4 55.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

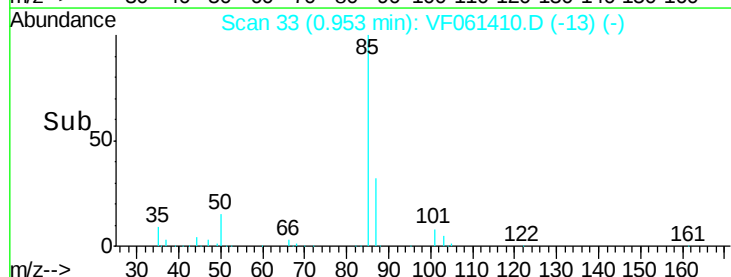
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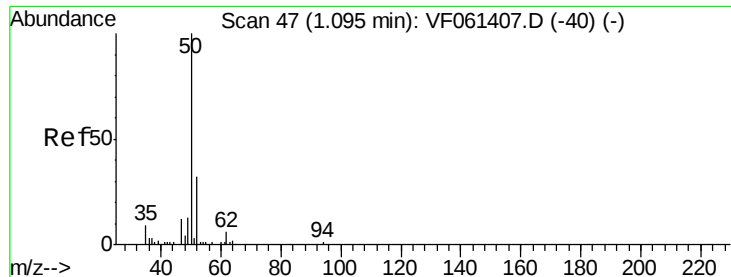
100000

50000

0

Time--> 0.80 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 132.732 ug/l

RT: 1.09 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 347766

Ion Ratio Lower Upper

50 100

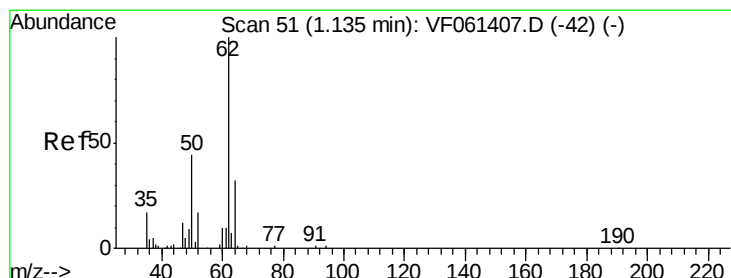
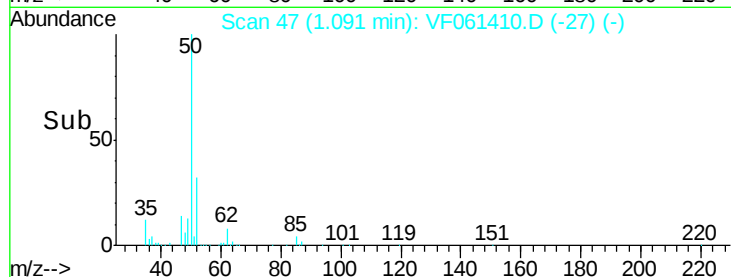
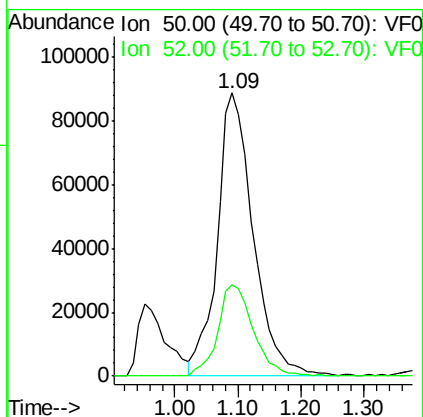
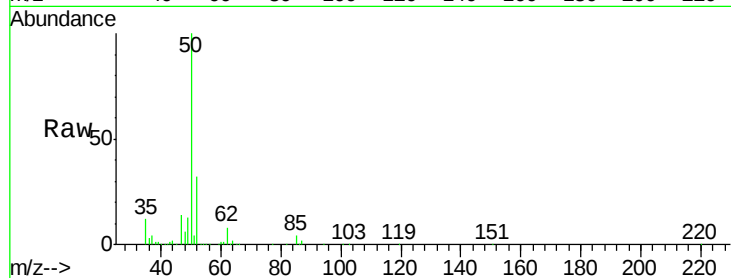
52 32.3 24.6 36.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 133.984 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061410.D

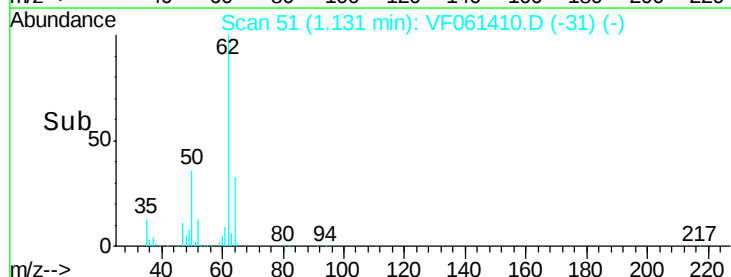
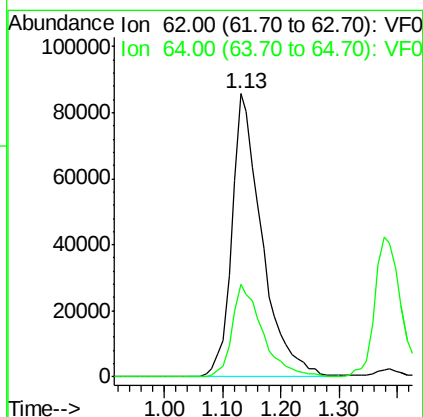
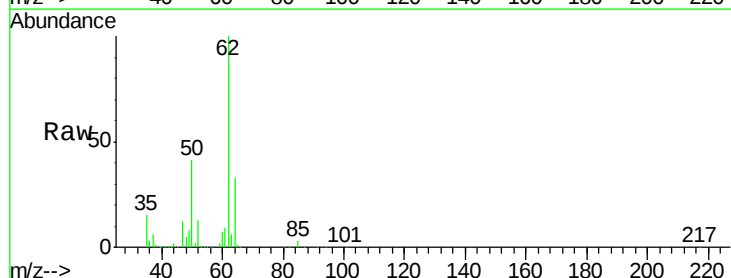
Acq: 15 Jan 2019 16:53

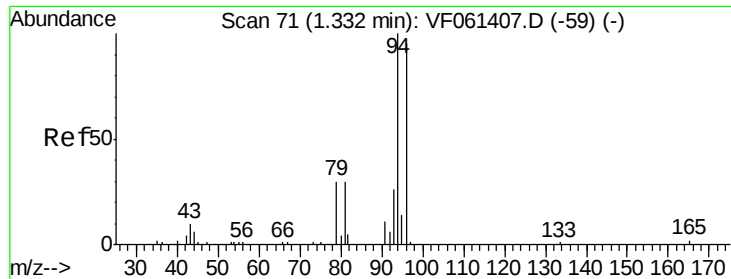
Tgt Ion: 62 Resp: 309219

Ion Ratio Lower Upper

62 100

64 33.0 25.6 38.4





#5

Bromomethane

Concen: 127.907 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 202124

Ion Ratio Lower Upper

94 100

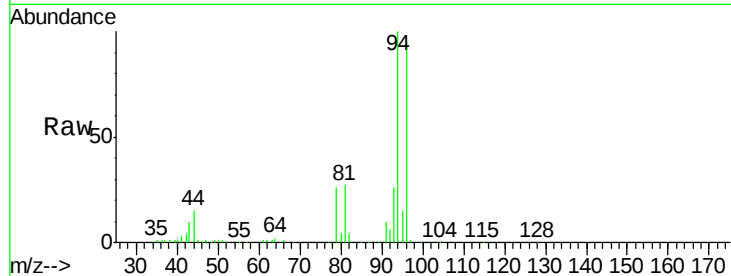
96 95.1 76.0 114.0

Manual Integrations

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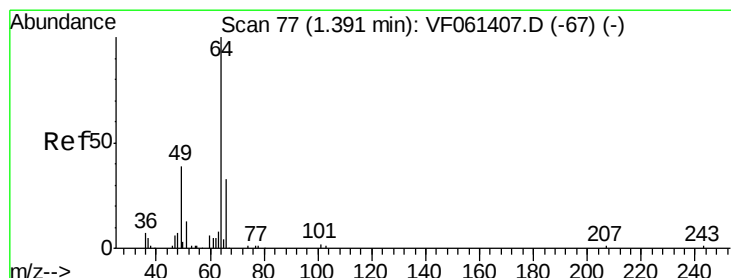
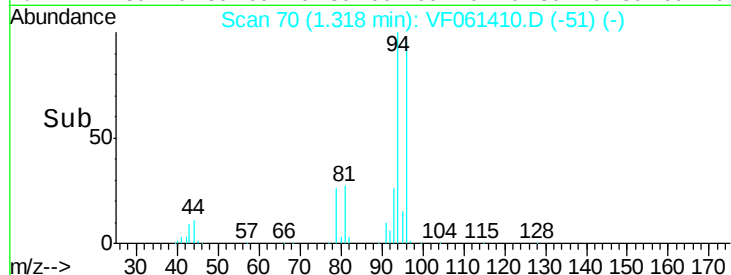
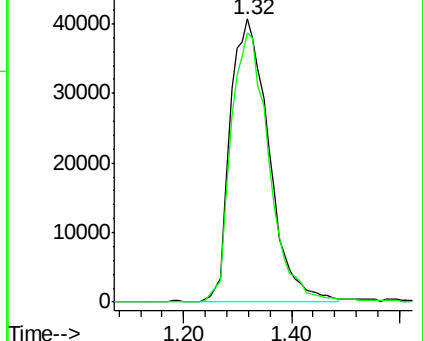
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 127.419 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.01 min

Lab File: VF061410.D

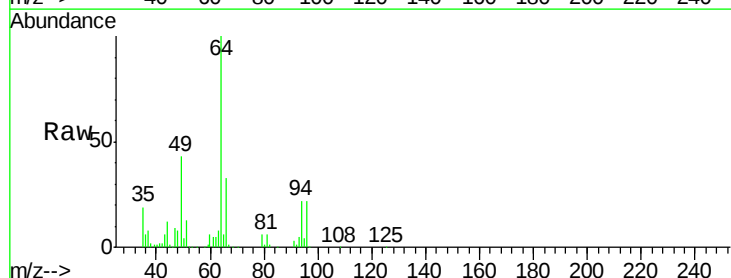
Acq: 15 Jan 2019 16:53

Tgt Ion: 64 Resp: 132848

Ion Ratio Lower Upper

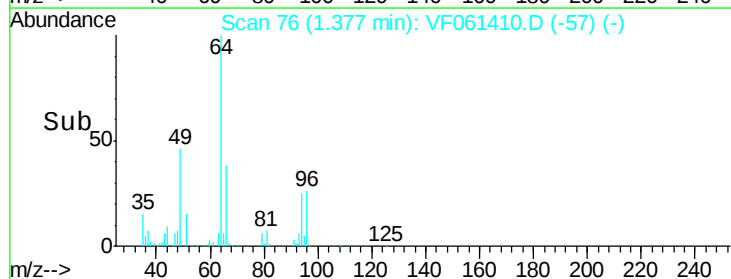
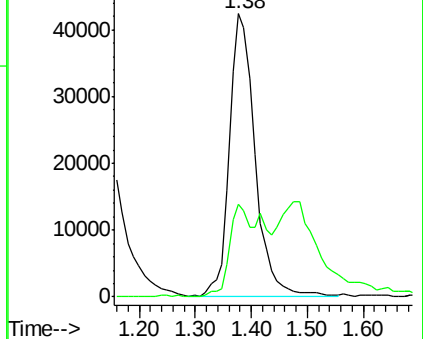
64 100

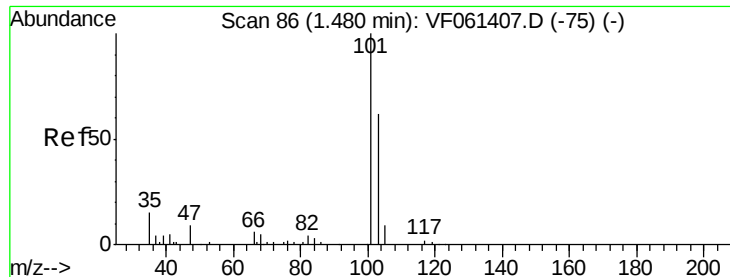
66 32.6 26.6 40.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

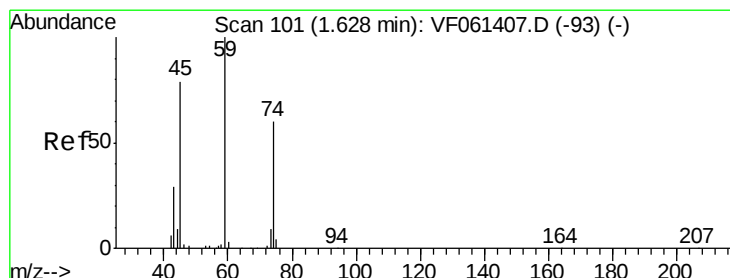
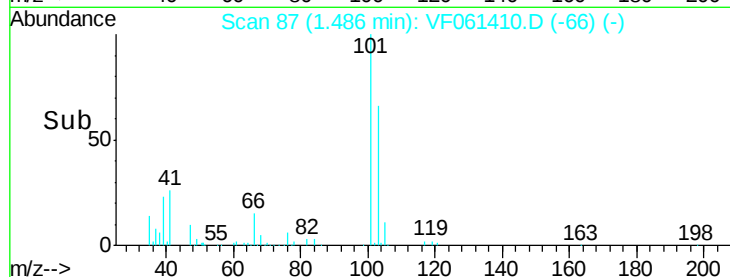
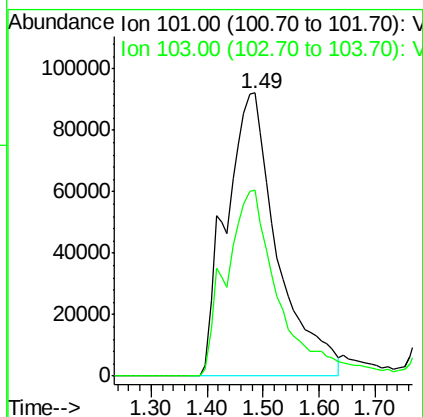
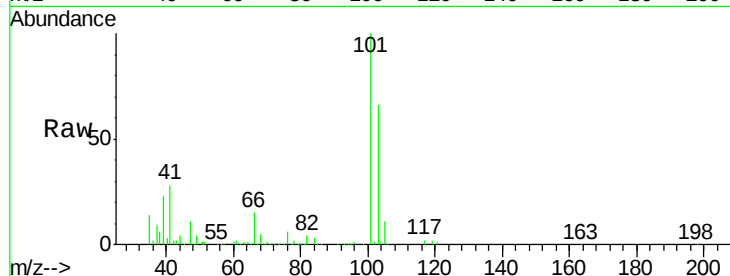
Trichlorofluoromethane
Concen: 128.100 ug/l
RT: 1.49 min Scan# 87
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	49.7	74.5

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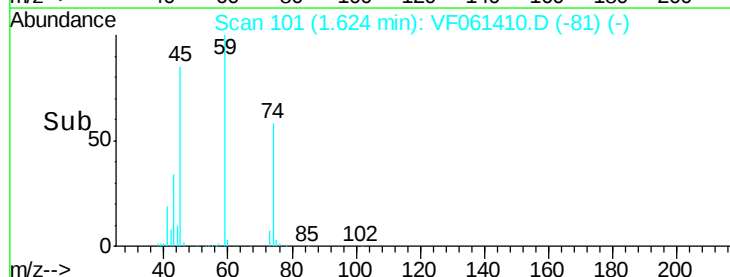
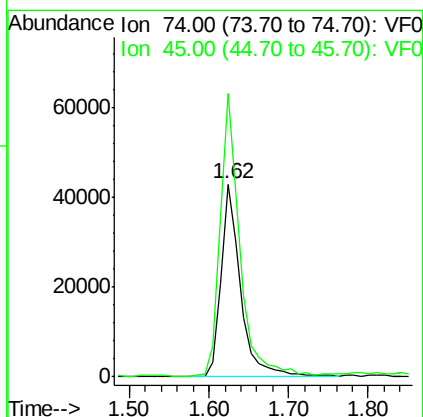
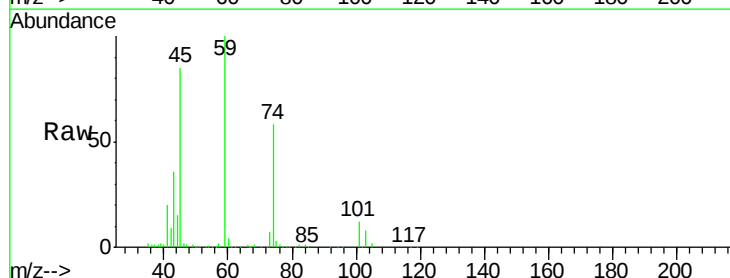
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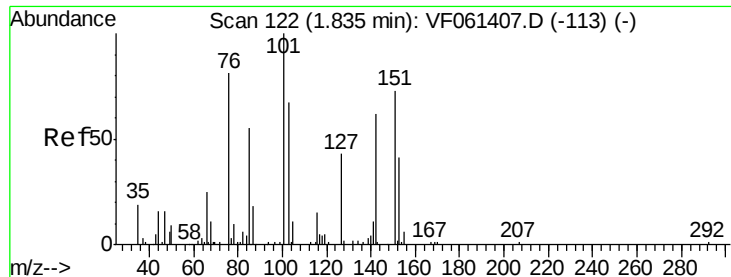


#8

Diethyl Ether
Concen: 130.194 ug/l
RT: 1.62 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	146.6	65.8	197.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 131.288 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

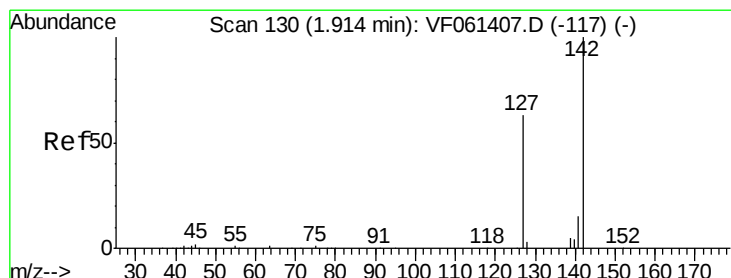
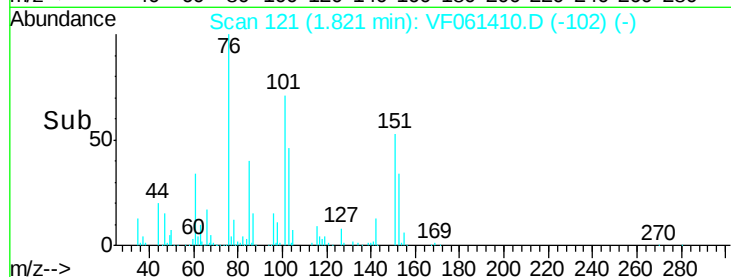
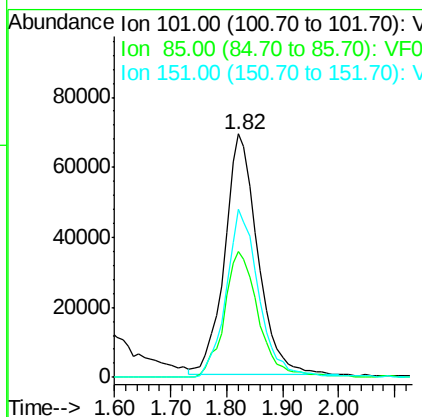
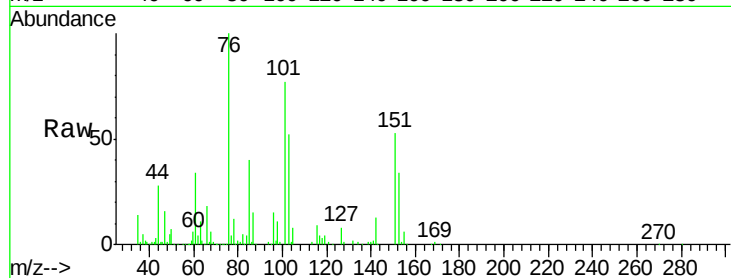
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	281877
Ion Ratio	Lower	Upper	
101	100		
85	51.5	41.9	62.9
151	69.0	55.1	82.7

Manual Integrations
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#10

Methyl Iodide

Concen: 137.609 ug/l m

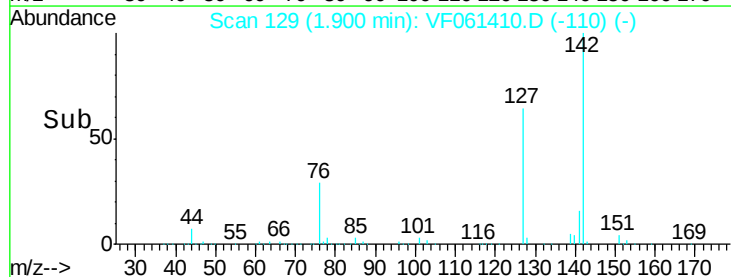
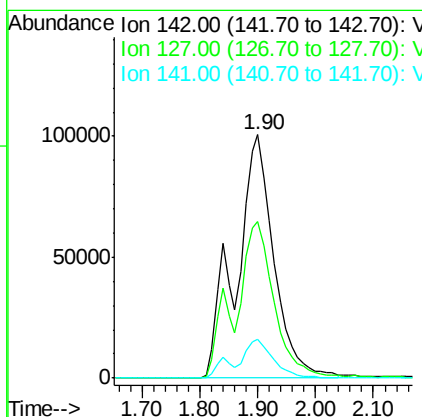
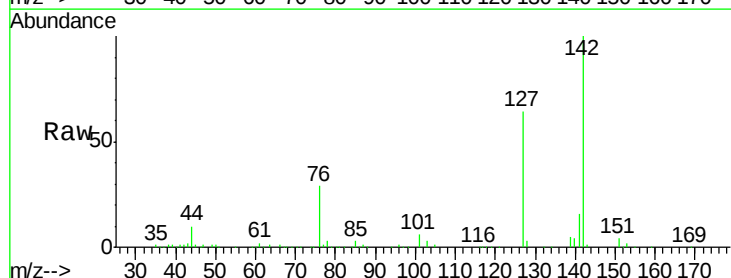
RT: 1.90 min Scan# 129

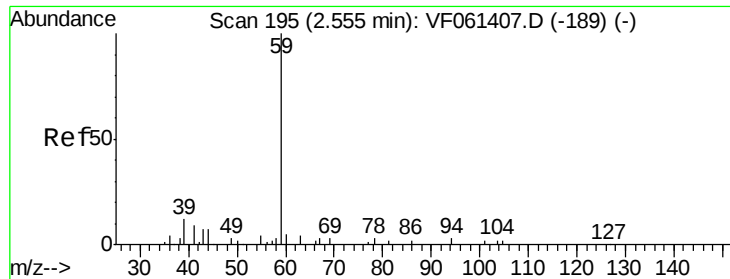
Delta R.T. -0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Tgt Ion:	142	Resp:	457781
Ion Ratio	Lower	Upper	
142	100		
127	64.3	50.7	76.1
141	15.7	11.8	17.6





#11

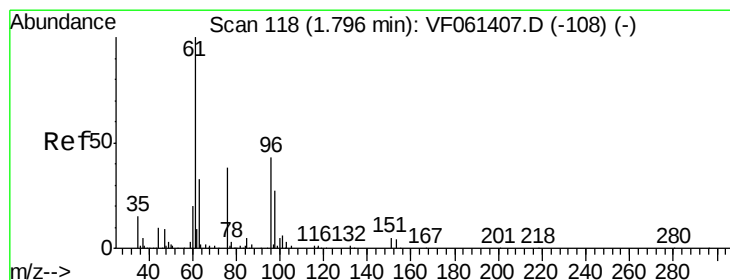
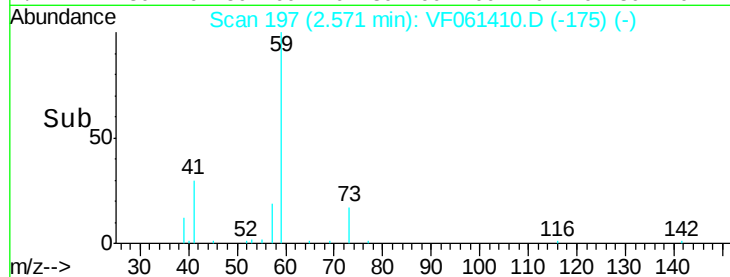
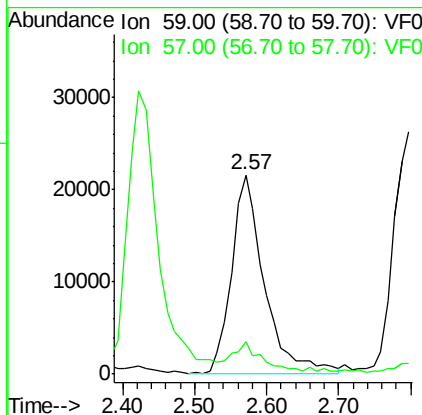
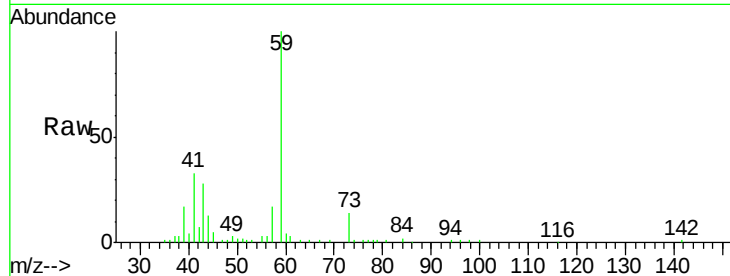
Tert butyl alcohol
 Concen: 745.525 ug/l
 RT: 2.57 min Scan# 197
 Delta R.T. 0.02 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	59	Resp	68978
Ion Ratio	100	Lower	Upper
57	16.7	11.9	17.9

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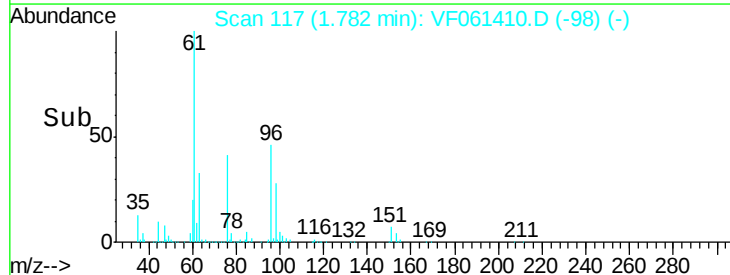
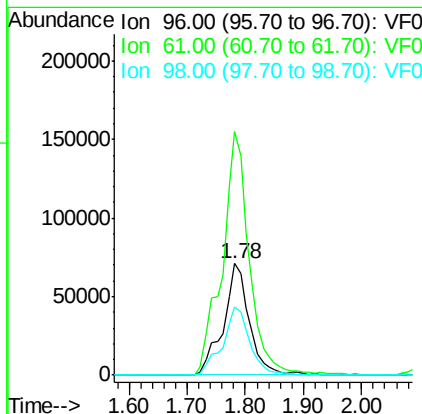
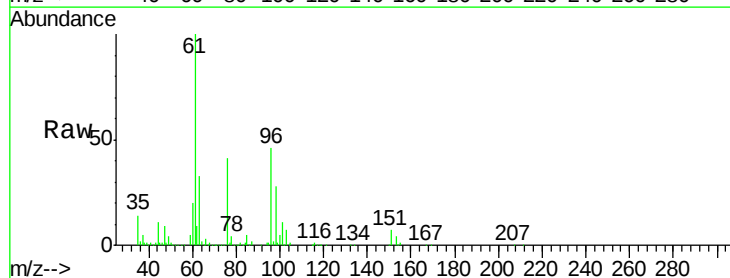
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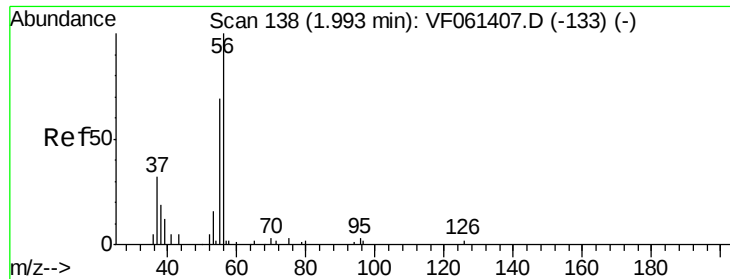


#12

1,1-Dichloroethene
 Concen: 138.400 ug/l
 RT: 1.78 min Scan# 117
 Delta R.T. -0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Tgt Ion	96	Resp	220754
Ion Ratio	100	Lower	Upper
61	217.9	186.9	280.3
98	61.4	53.0	79.4





#13

Acrolein

Concen: 708.786 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 61000

Ion Ratio Lower Upper

56 100

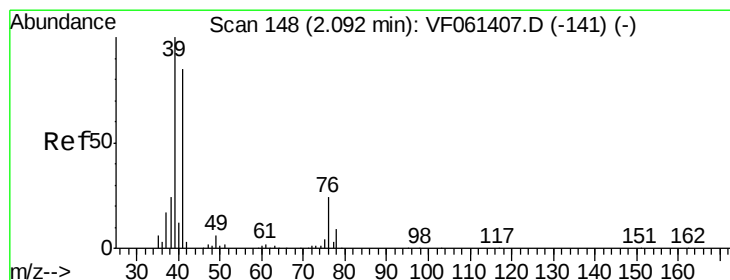
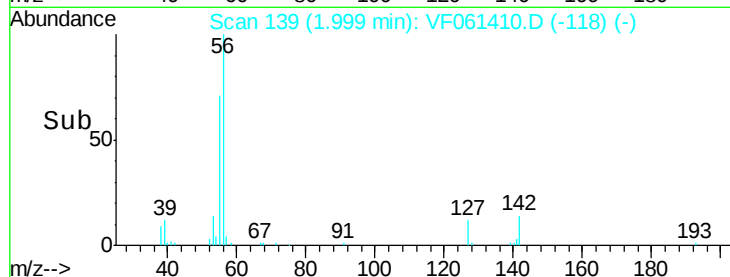
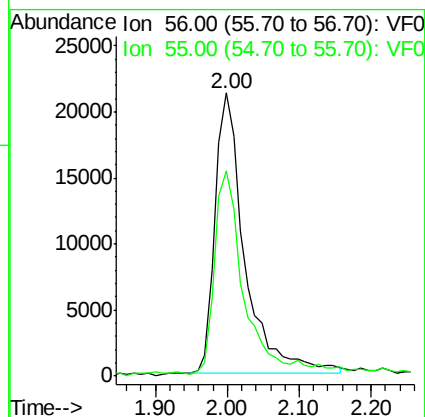
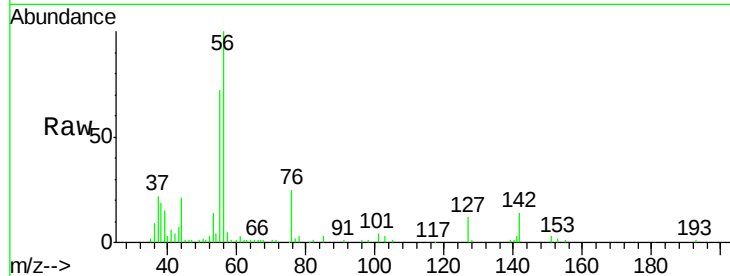
55 72.3 57.5 86.3

Manual Integrations

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#14

Allyl chloride

Concen: 135.265 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

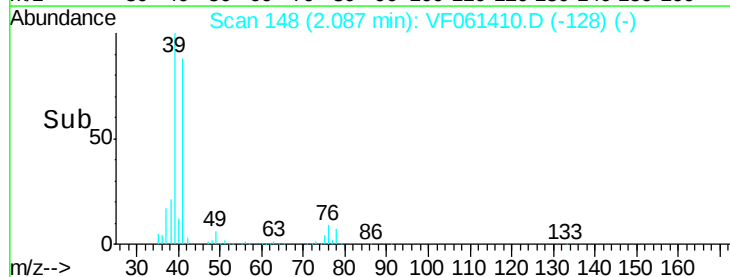
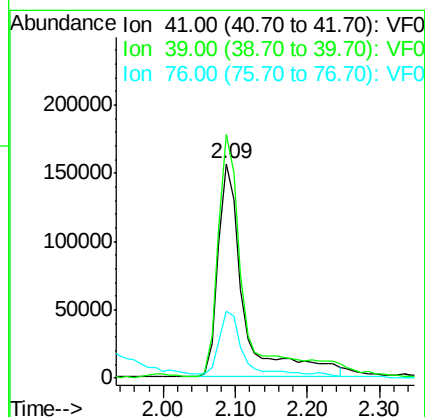
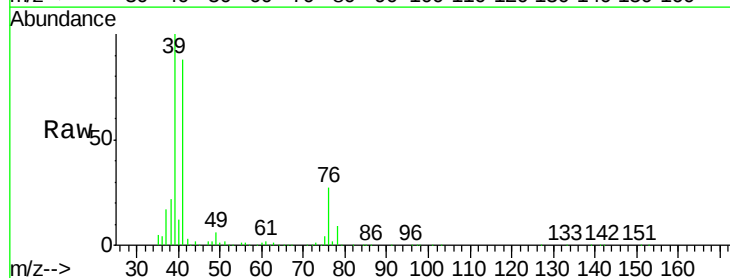
Tgt Ion: 41 Resp: 388100

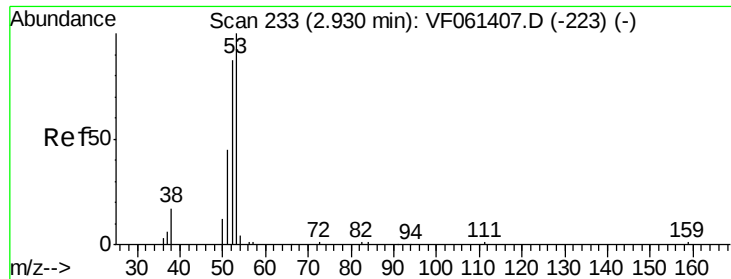
Ion Ratio Lower Upper

41 100

39 113.3 94.6 141.8

76 31.0 25.9 38.9





#15

Acrylonitrile

Concen: 692.513 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

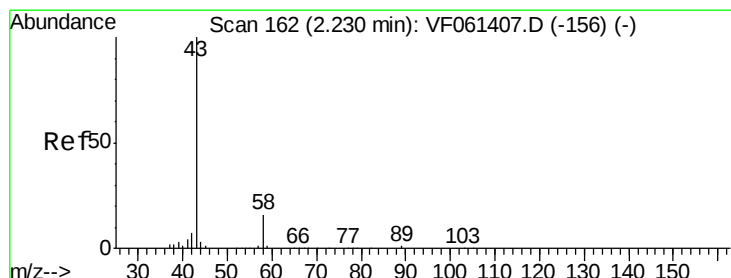
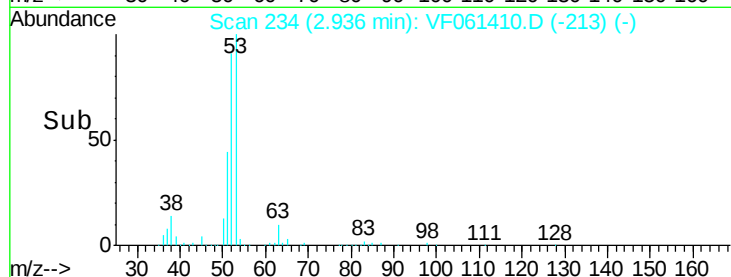
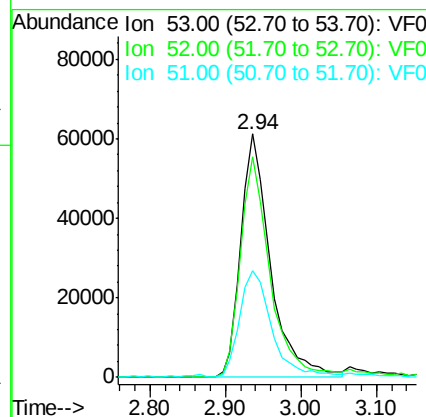
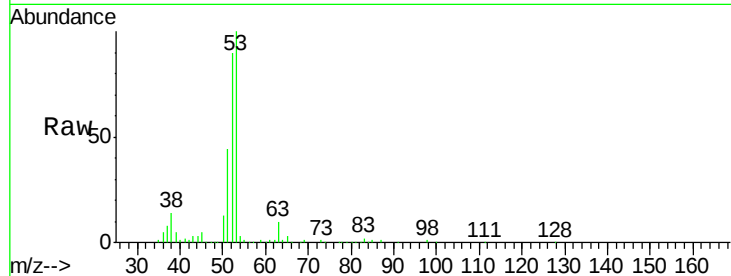
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	167024
Ion Ratio	Lower	Upper	
53	100		
52	90.5	69.6	104.4
51	43.8	36.8	55.2

Manual Integrations
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#16

Acetone

Concen: 609.943 ug/l

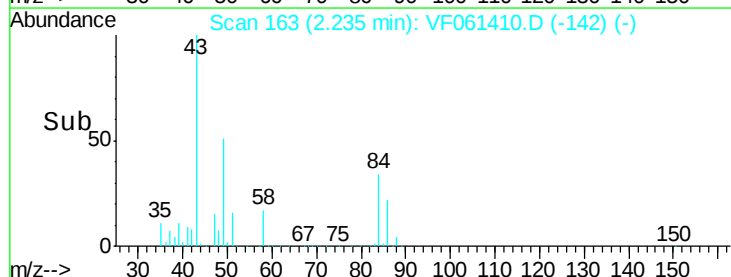
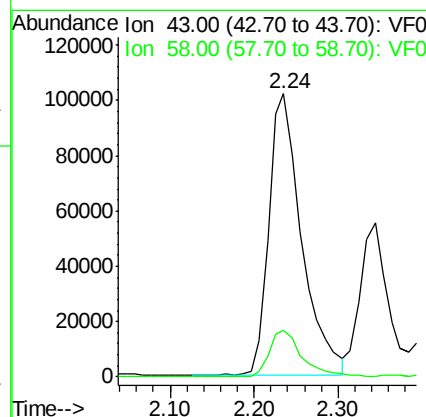
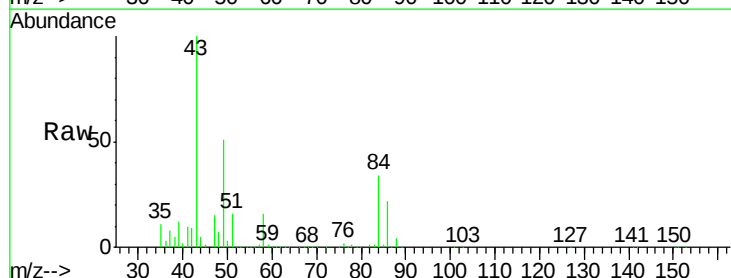
RT: 2.24 min Scan# 163

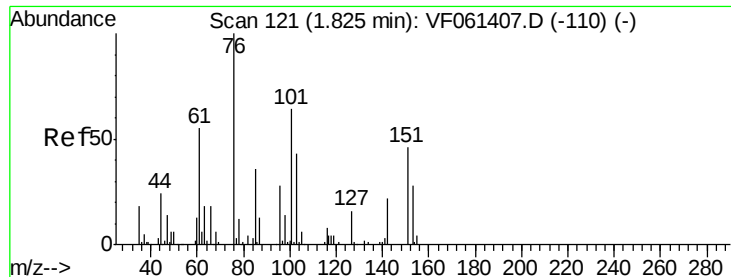
Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Tgt Ion:	43	Resp:	280176
Ion Ratio	Lower	Upper	
43	100		
58	16.5	13.3	19.9





#17

Carbon Disulfide

Concen: 138.744 ug/l

RT: 1.82 min Scan# 121

Delta R.T. -0.00 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampled :

VSTDIC150

Tot Ion: 76 Resp: 690327

Ion Ratio Lower Upper

76 100

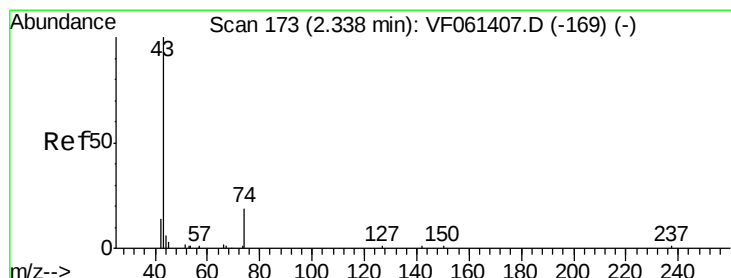
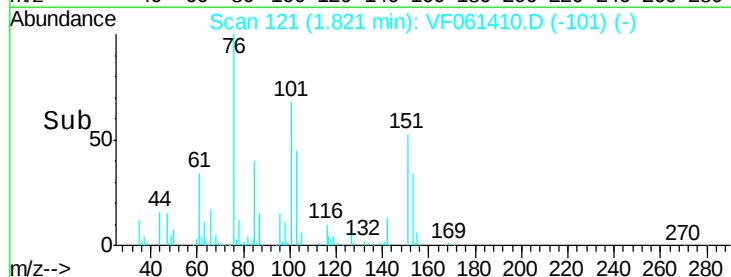
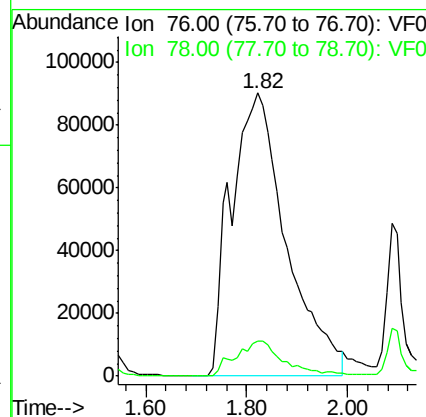
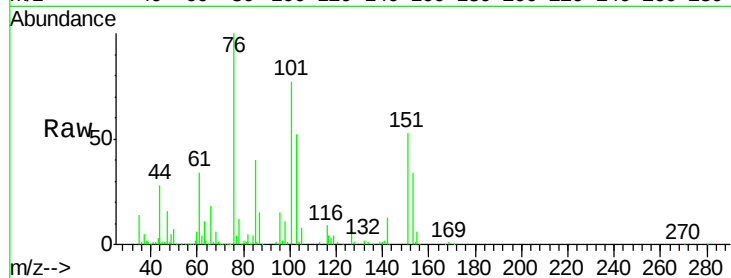
78 12.3 9.6 14.4

Manual Integrations

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#18

Methyl Acetate

Concen: 100.379 ug/l

RT: 2.34 min Scan# 174

Delta R.T. 0.01 min

Lab File: VF061410.D

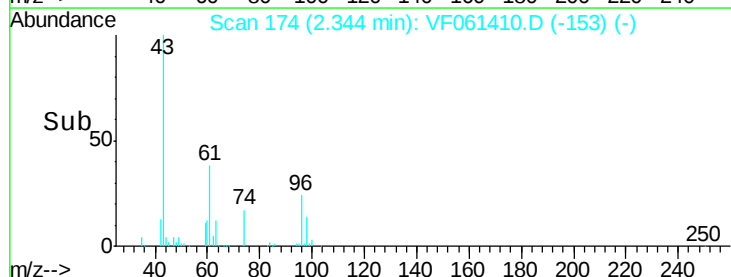
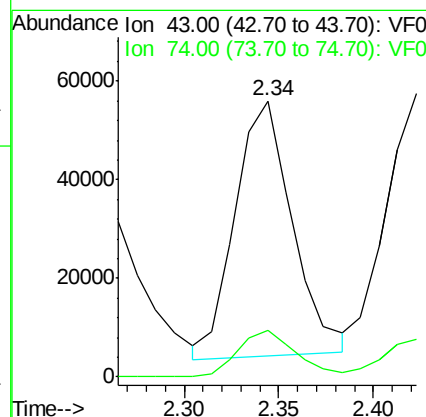
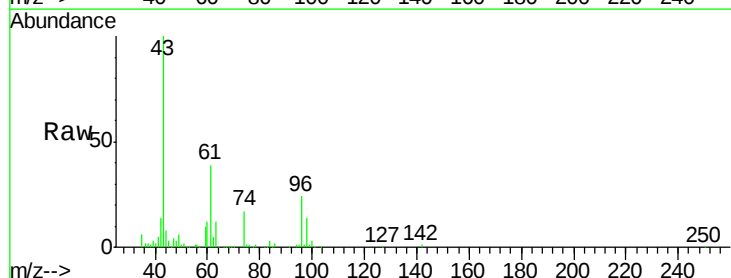
Acq: 15 Jan 2019 16:53

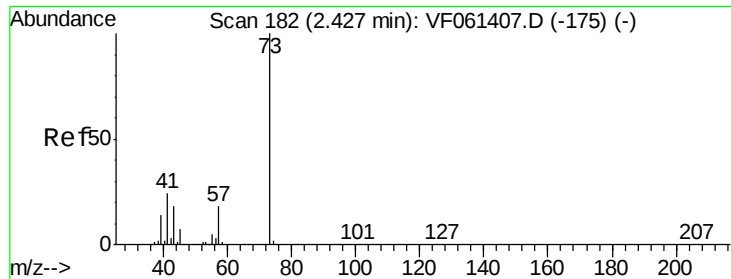
Tgt Ion: 43 Resp: 108793

Ion Ratio Lower Upper

43 100

74 17.0 13.4 20.0





#19

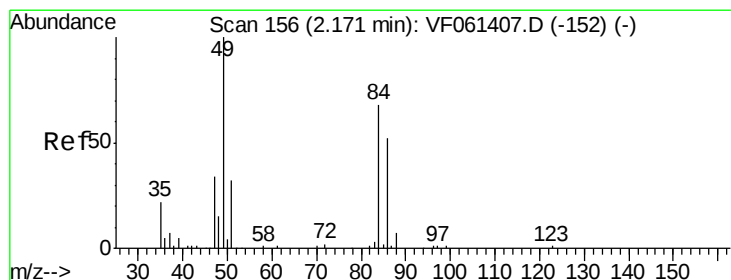
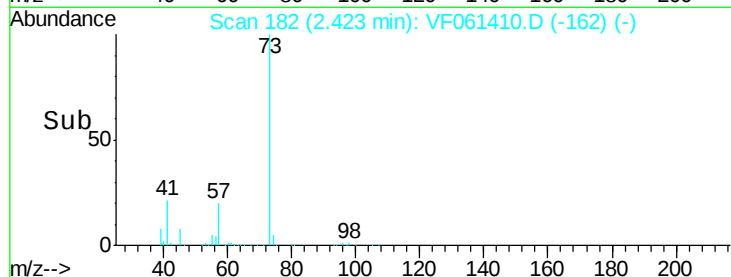
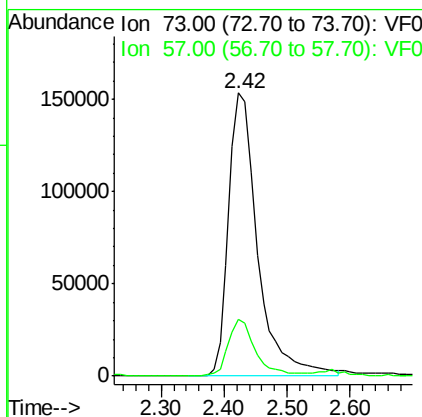
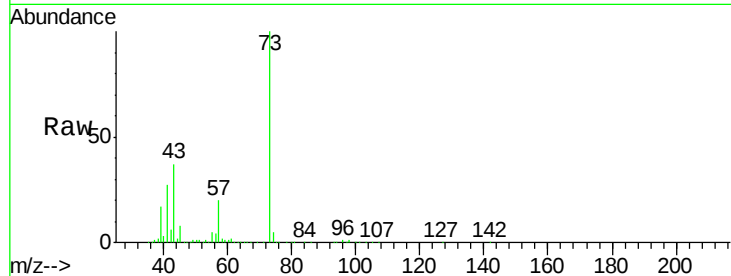
Methyl tert-butyl Ether
 Concen: 138.406 ug/l
 RT: 2.42 min Scan# 182
 Delta R.T. -0.00 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.0	14.8	22.2

Manual Integrations
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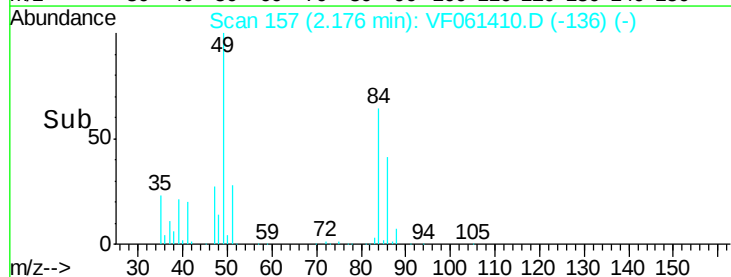
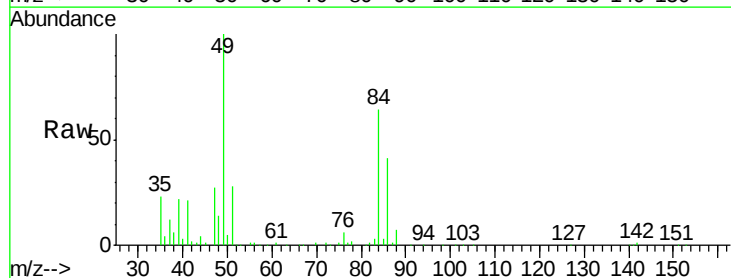
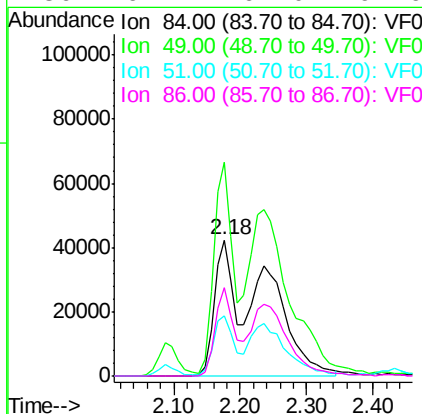
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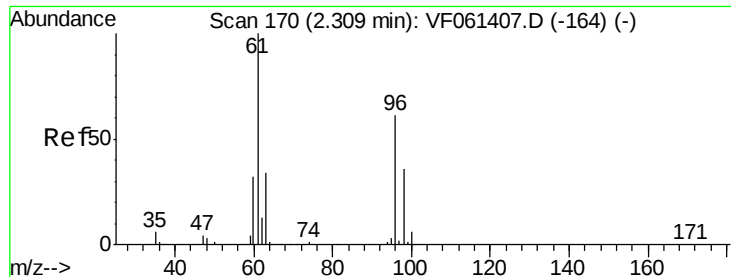


#20

Methylene Chloride
 Concen: 120.878 ug/l m
 RT: 2.18 min Scan# 157
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.1	120.0	180.0
51	44.4	38.6	58.0
86	64.7	61.0	91.6





#21

trans-1,2-Dichloroethene

Concen: 133.092 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

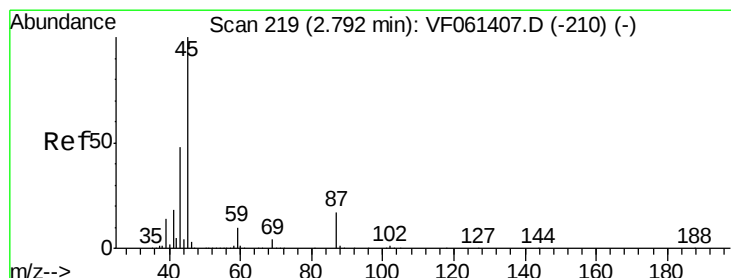
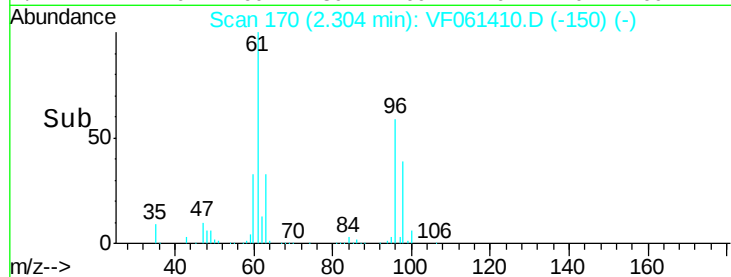
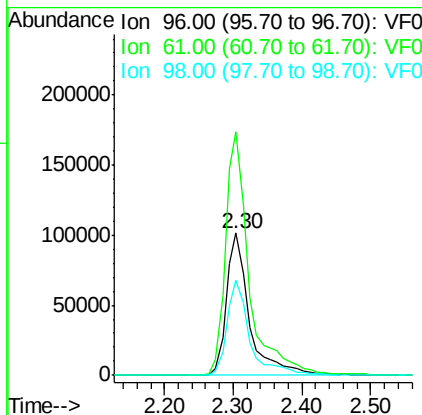
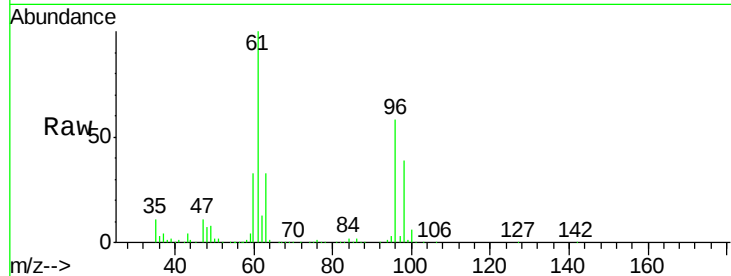
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	235844
Ion Ratio	Lower	Upper	
96	100		
61	171.1	131.8	197.8
98	66.9	47.4	71.0

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#22

Diisopropyl ether

Concen: 146.537 ug/l

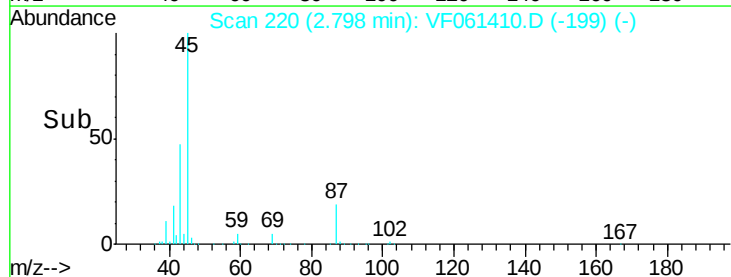
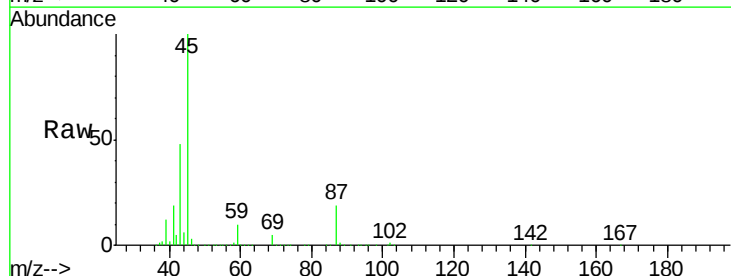
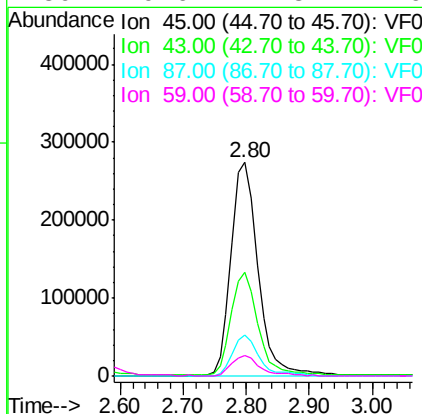
RT: 2.80 min Scan# 220

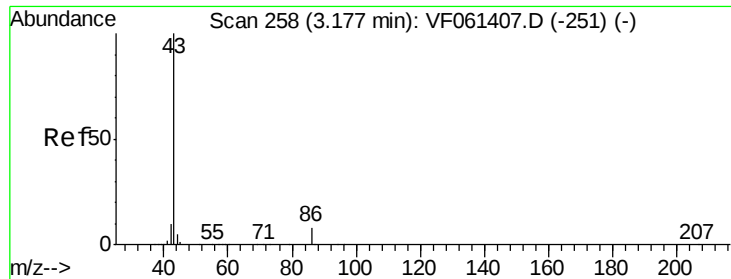
Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Tgt Ion:	45	Resp:	817717
Ion Ratio	Lower	Upper	
45	100		
43	48.3	39.0	58.6
87	19.0	13.9	20.9
59	9.6	7.8	11.6





#23

Vinyl Acetate

Concen: 847.041 ug/l

RT: 3.18 min Scan# 259

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1798369

Ion Ratio Lower Upper

43 100

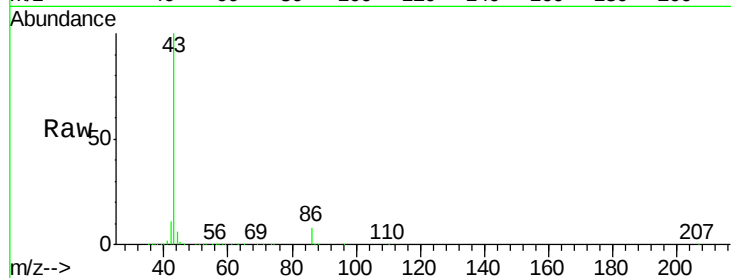
86 8.0 6.2 9.4

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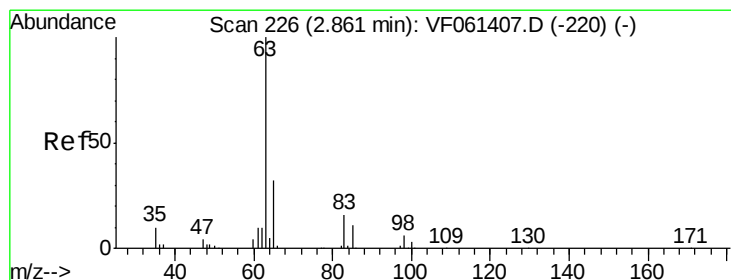
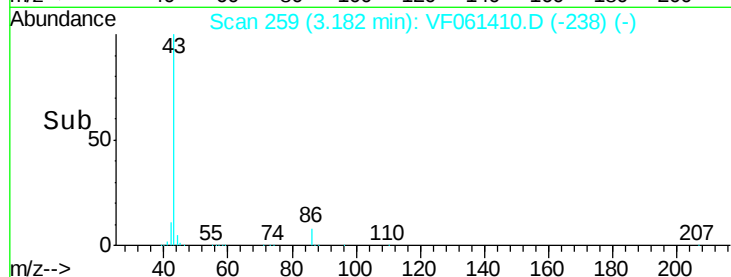
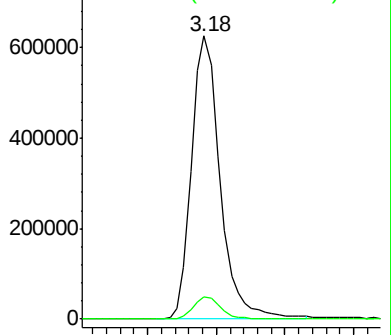
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 139.488 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

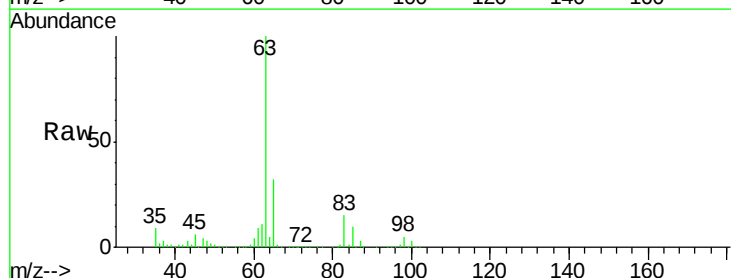
Tgt Ion: 63 Resp: 495677

Ion Ratio Lower Upper

63 100

98 4.6 2.9 8.8

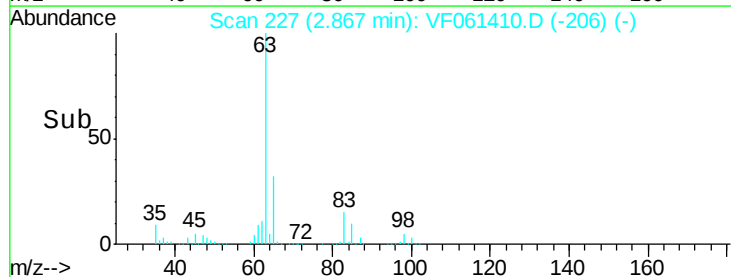
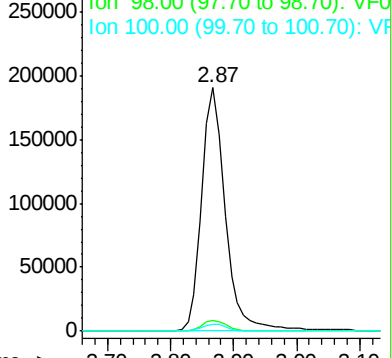
100 2.9 1.6 4.8

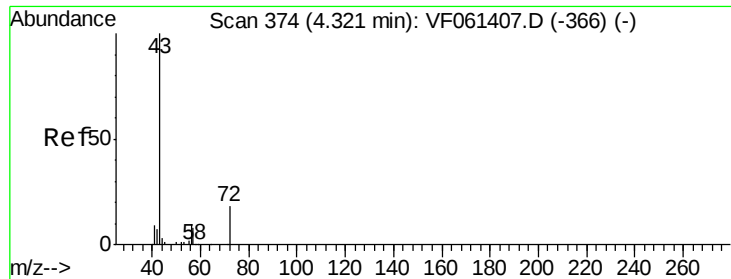


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 724.093 ug/l

RT: 4.33 min Scan# 375

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 529777

Ion Ratio Lower Upper

43 100

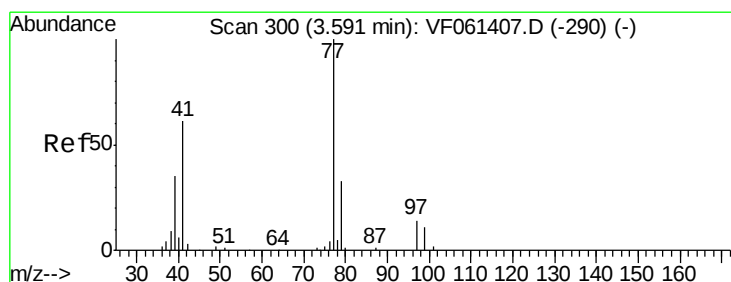
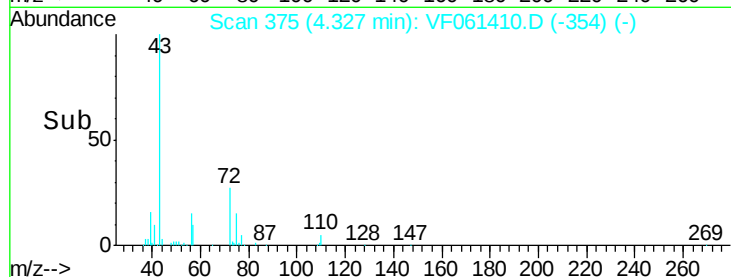
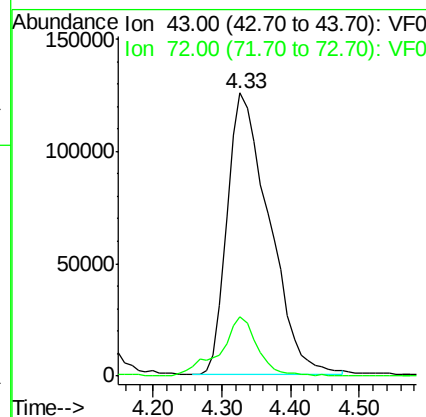
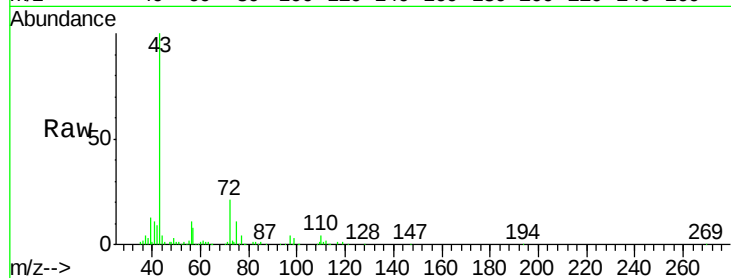
72 21.1 15.8 23.6

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#26

2,2-Dichloropropane

Concen: 123.988 ug/l

RT: 3.59 min Scan# 300

Delta R.T. -0.00 min

Lab File: VF061410.D

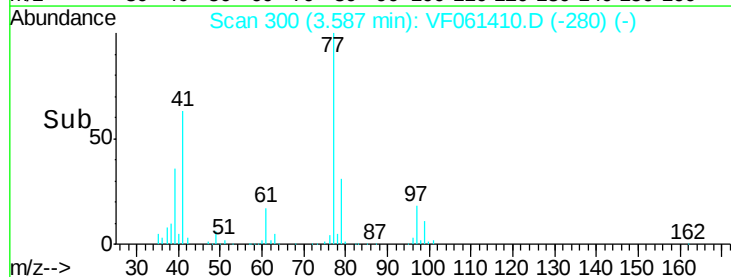
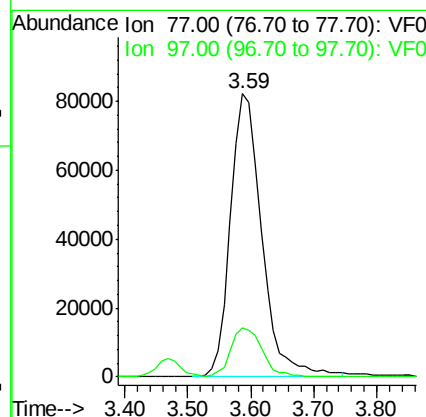
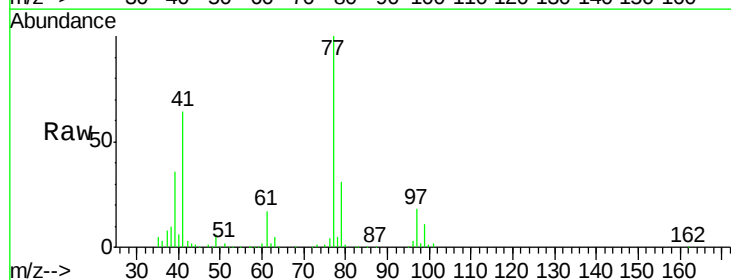
Acq: 15 Jan 2019 16:53

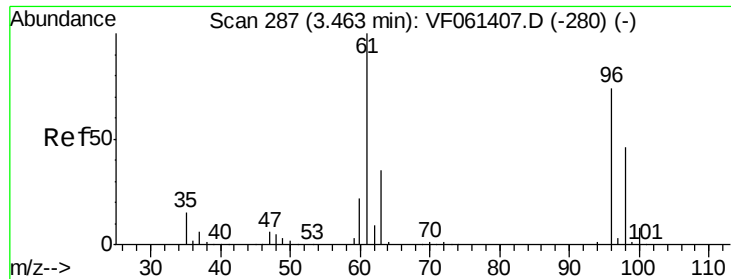
Tgt Ion: 77 Resp: 283836

Ion Ratio Lower Upper

77 100

97 17.6 8.5 25.5





#27

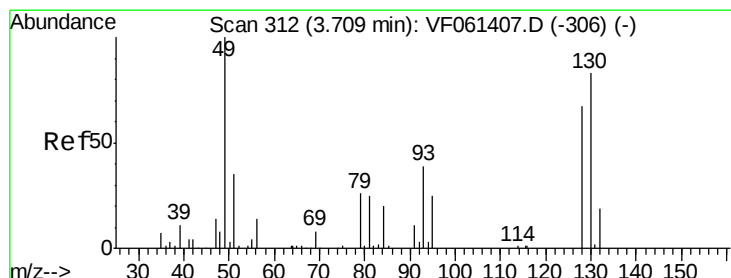
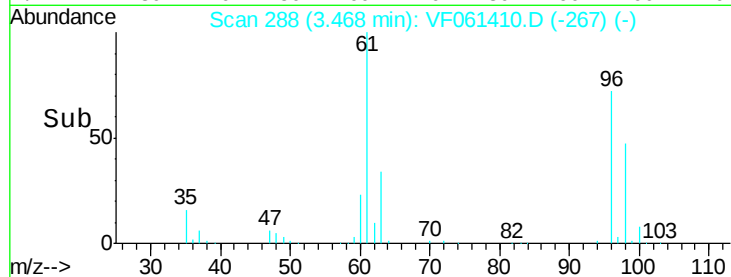
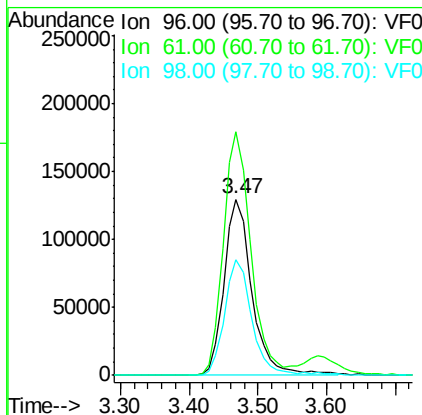
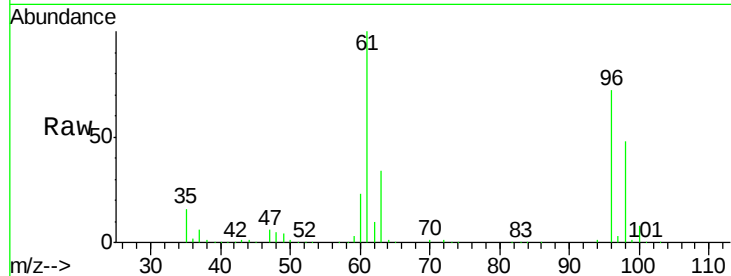
cis-1,2-Dichloroethene
Concen: 142.206 ug/l
RT: 3.47 min Scan# 288
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	138.4	0.0	270.2		
98	65.9	0.0	124.0		

Manual Integrations
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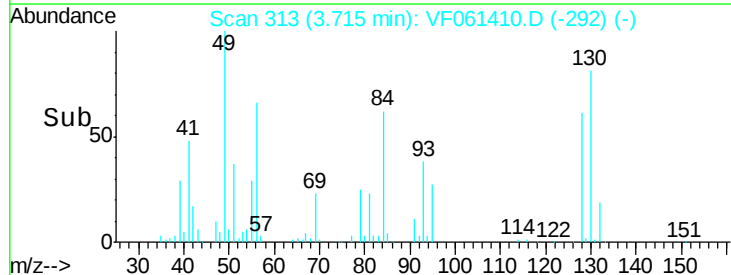
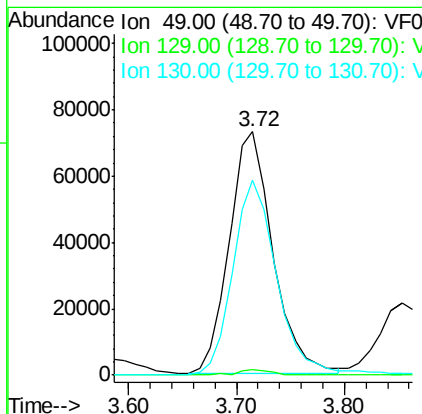
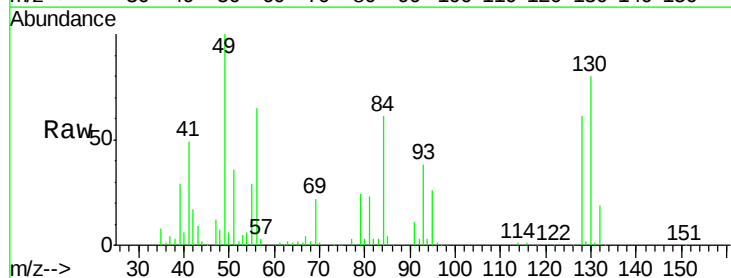
apatel
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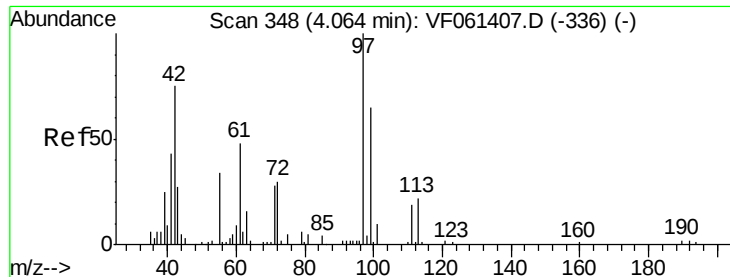


#28

Bromochloromethane
Concen: 123.344 ug/l
RT: 3.72 min Scan# 313
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.4	0.0	0.0#		
130	80.3	65.4	98.2		





#29

Tetrahydrofuran

Concen: 632.899 ug/l

RT: 4.07 min Scan# 349

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

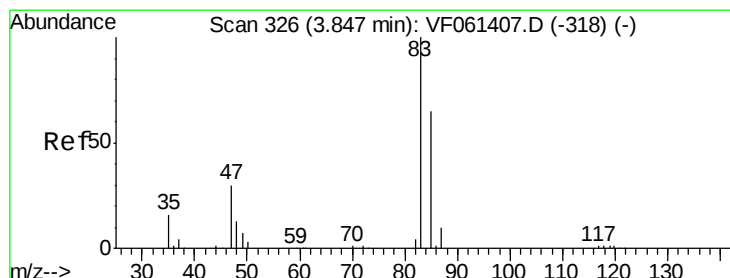
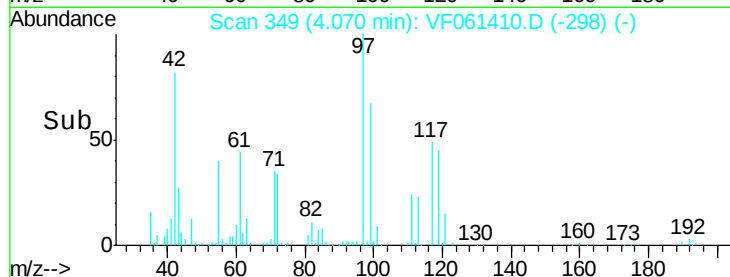
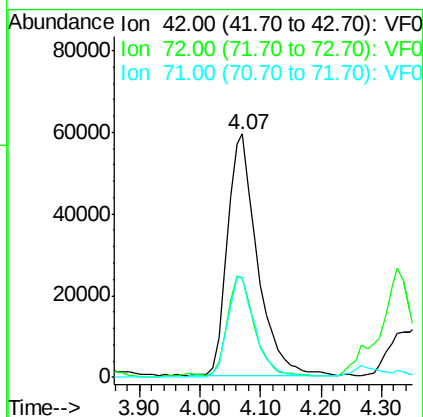
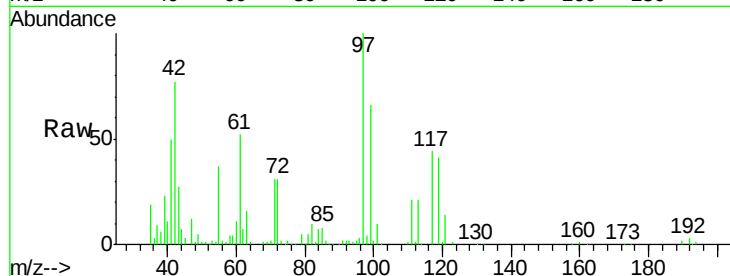
ClientSampleId :

VSTDIC150

Tot Ion:	42	Resp:	203728
Ion	Ratio	Lower	Upper
42	100		
72	38.9	28.9	43.3
71	38.5	29.6	44.4

Manual Integrations
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#30

Chloroform

Concen: 135.926 ug/l

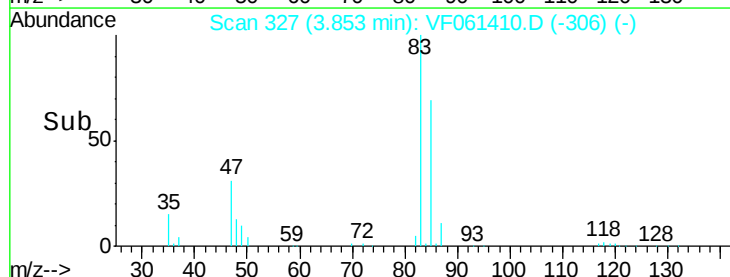
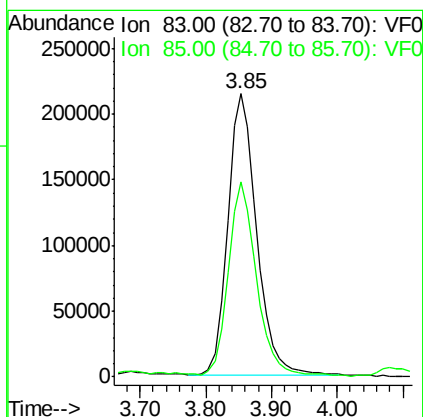
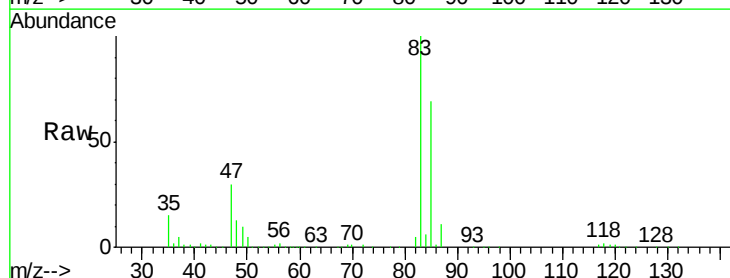
RT: 3.85 min Scan# 327

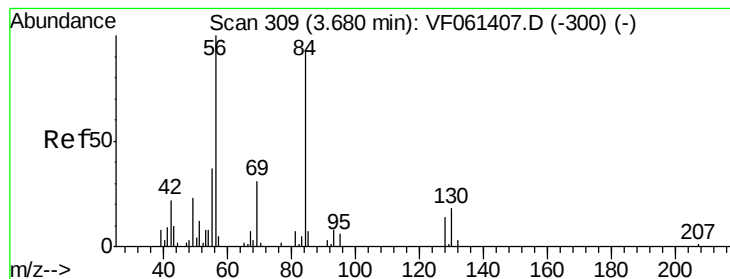
Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Tgt Ion:	83	Resp:	651849
Ion	Ratio	Lower	Upper
83	100		
85	69.1	52.7	79.1





#31

Cyclohexane

Concen: 128.516 ug/l m

RT: 3.69 min Scan# 310

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

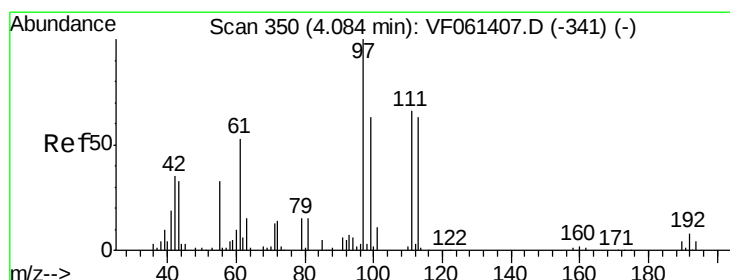
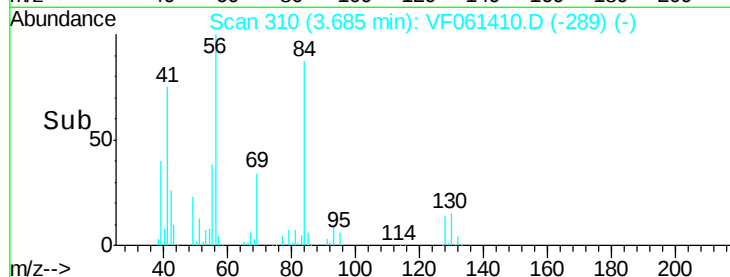
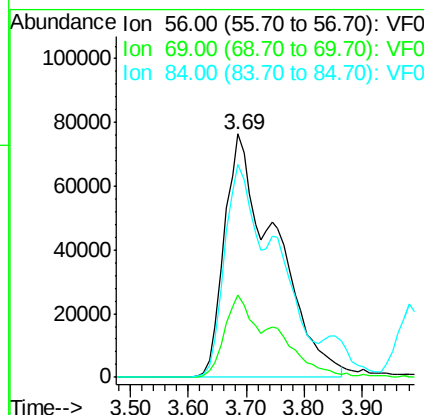
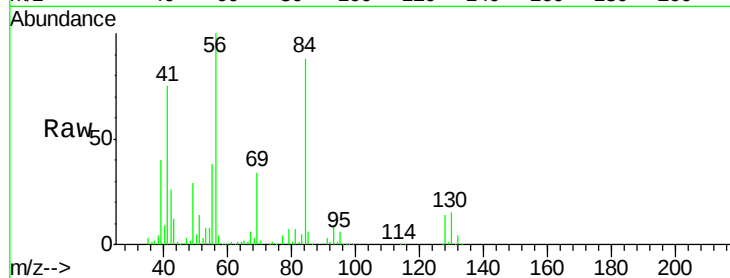
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	466021
Ion Ratio	Lower	Upper	
56	100		
69	33.8	24.6	36.8
84	87.6	74.2	111.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 131.071 ug/l

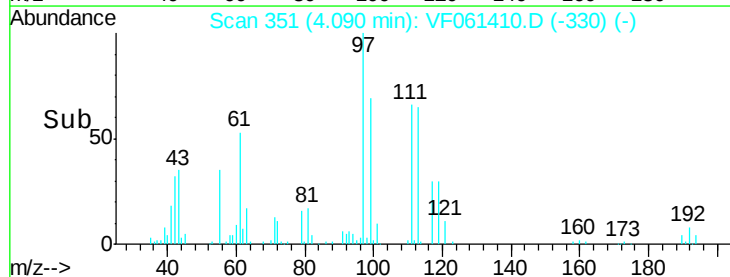
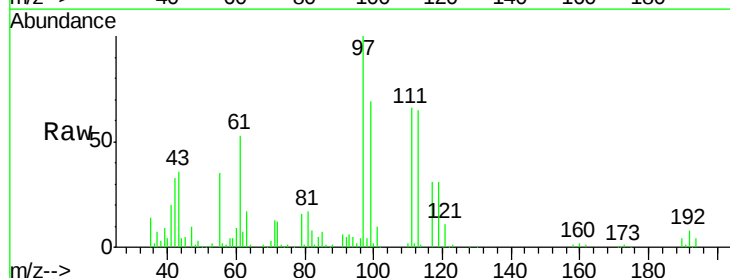
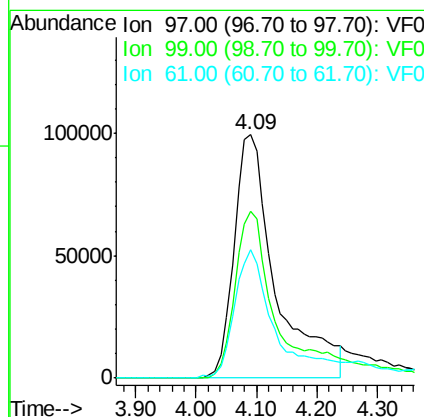
RT: 4.09 min Scan# 351

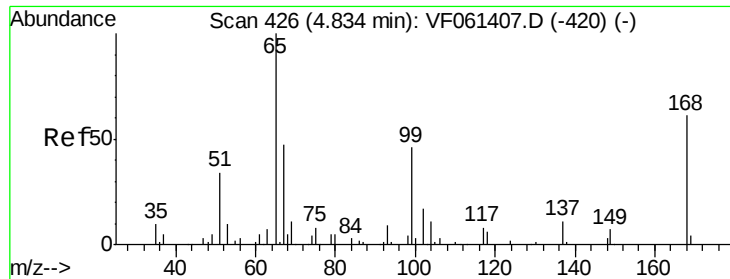
Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Tgt Ion:	97	Resp:	477994
Ion Ratio	Lower	Upper	
97	100		
99	68.7	50.1	75.1
61	52.8	43.1	64.7





#33

1,2-Dichloroethane-d4

Concen: 156.830 ug/l

RT: 4.84 min Scan# 427

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Tot Ion: 65 Resp: 333613

Ion Ratio Lower Upper

65 100

67 47.7 0.0 99.8

Instrument :

MSVOA_F

ClientSampled :

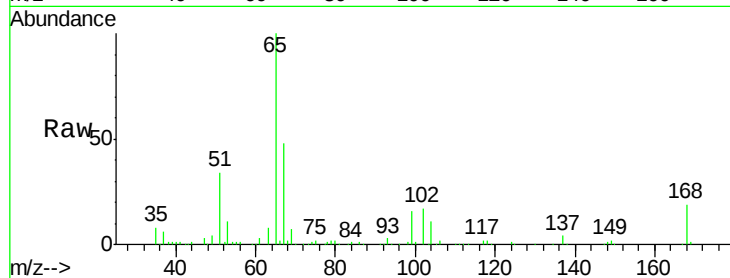
VSTDIC150

Manual Integrations

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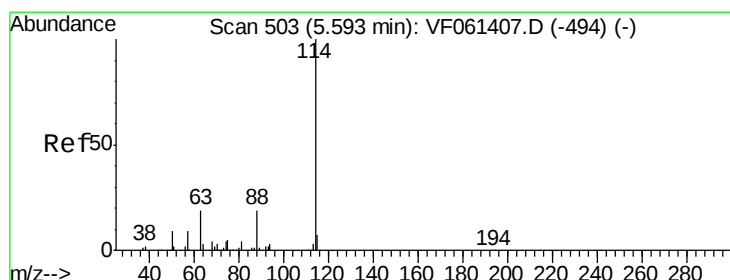
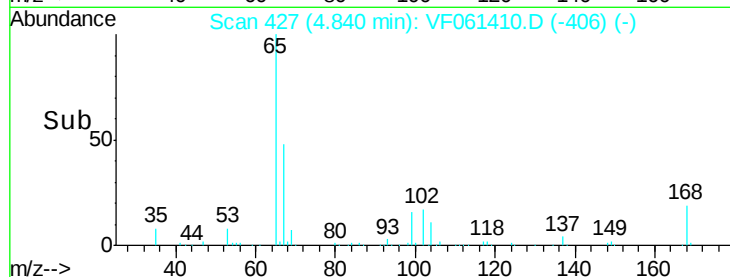
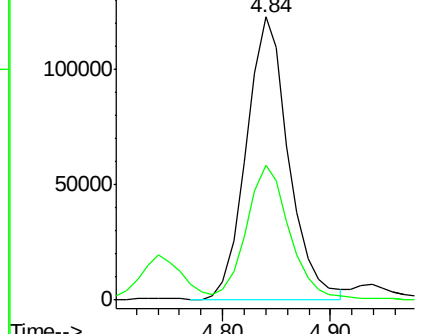
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 503

Delta R.T. -0.00 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

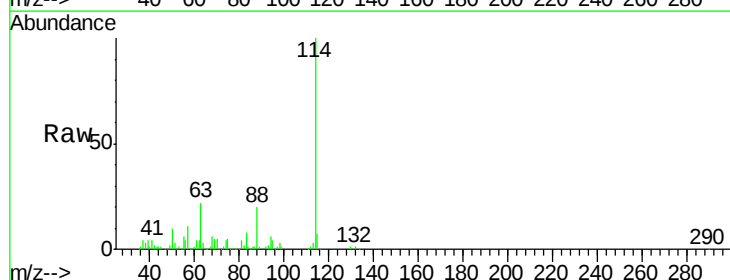
Tgt Ion: 114 Resp: 309412

Ion Ratio Lower Upper

114 100

63 21.7 0.0 39.0

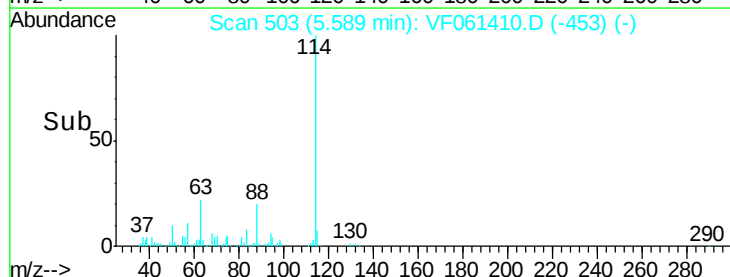
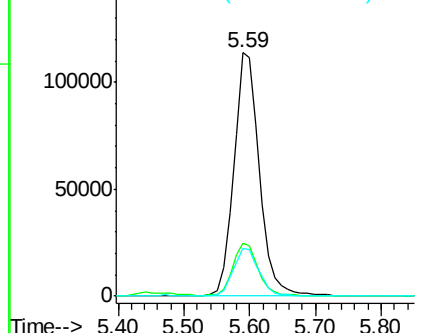
88 19.6 0.0 37.4

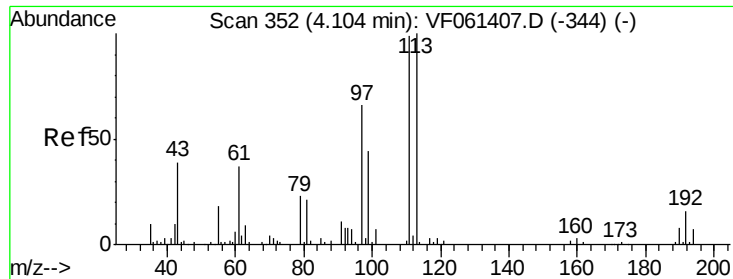


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 136.753 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

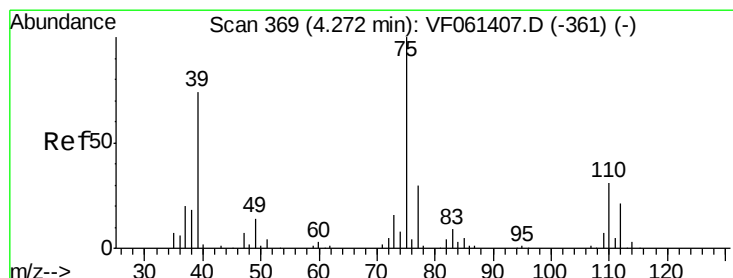
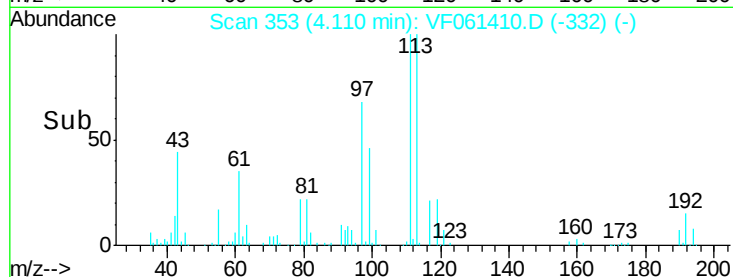
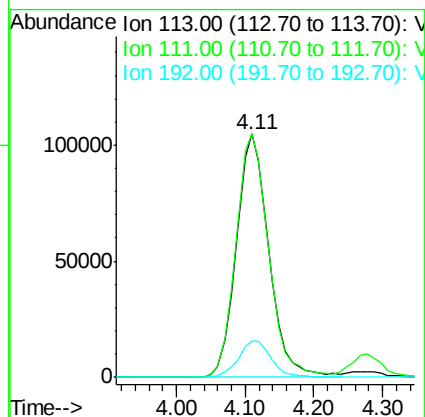
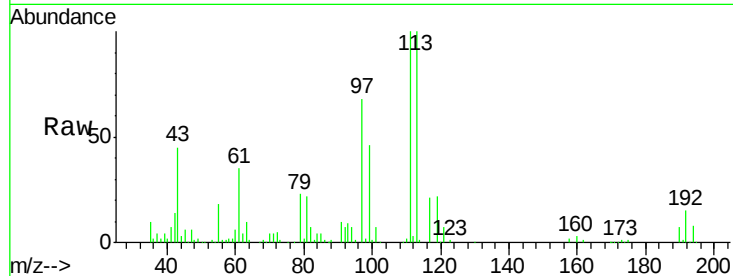
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.2	79.4	119.0
192	15.0	12.4	18.6

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#36

1,1-Dichloropropene

Concen: 138.453 ug/l

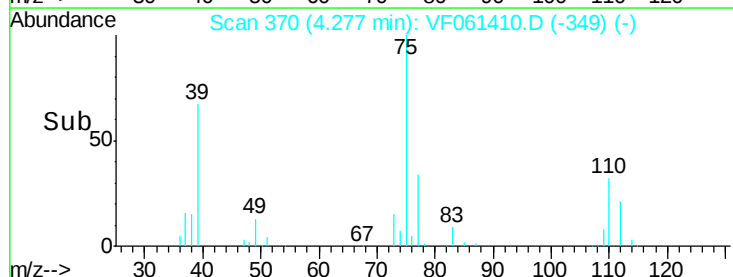
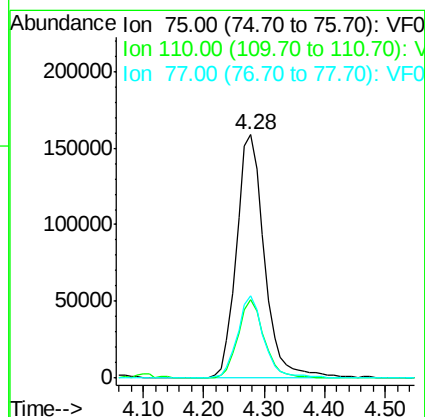
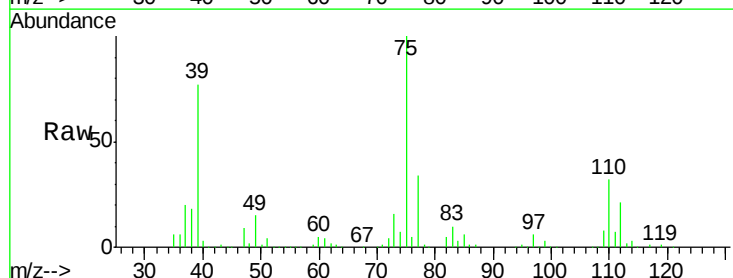
RT: 4.28 min Scan# 370

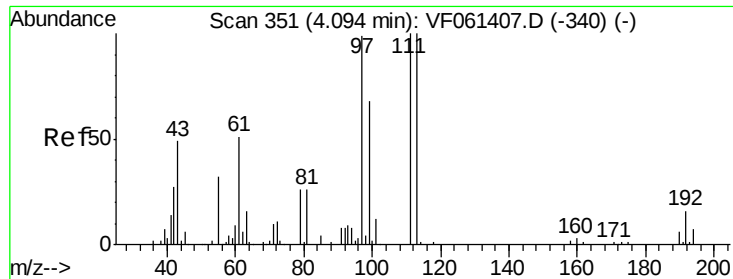
Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.2	15.8	47.3
77	33.8	24.0	36.0





#37

Ethyl Acetate

Concen: 127.505 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.02 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

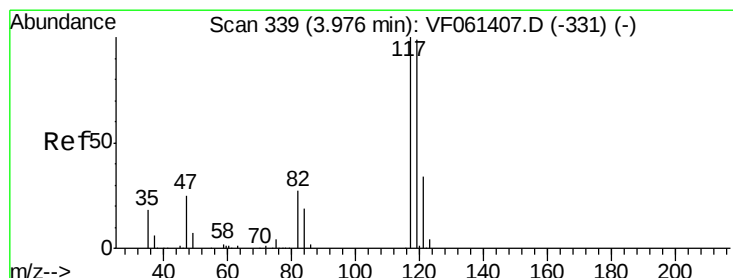
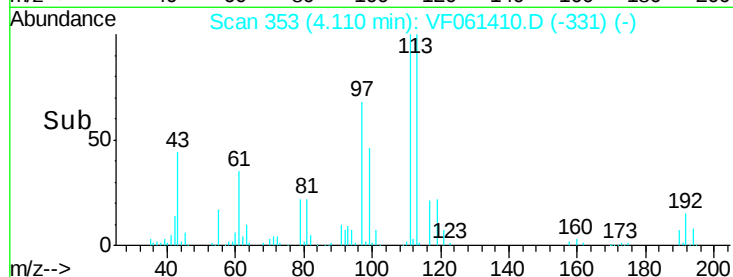
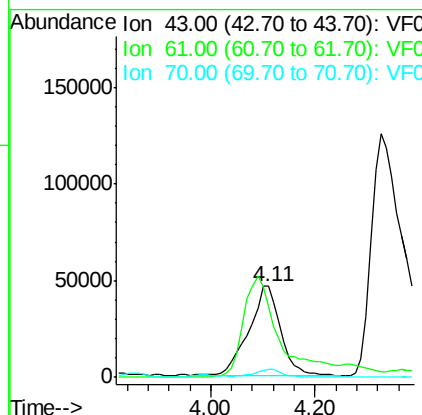
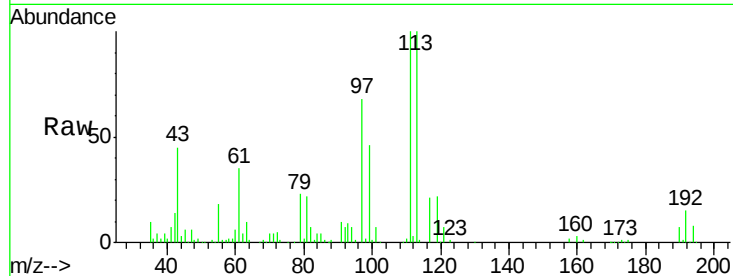
ClientSampleId :

VSTDIC150

Tot Ion	43	61	70	Ratio	100	77.7	8.4	Resp	189958	Lower	Upper
43	100										
61		77.7				81.7					122.5#
70			8.4				6.2				9.2

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#38

Carbon Tetrachloride

Concen: 109.214 ug/l

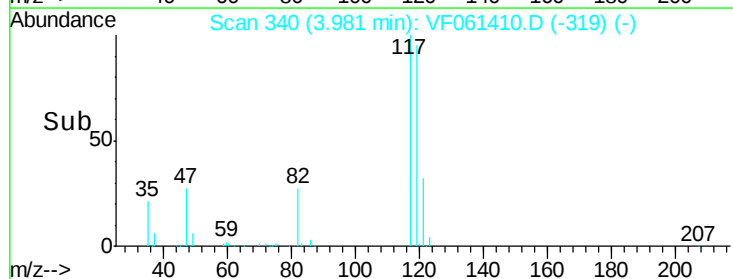
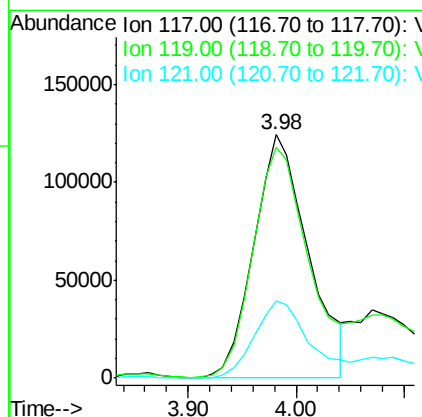
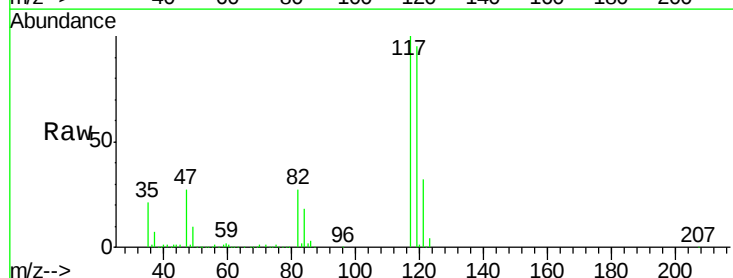
RT: 3.98 min Scan# 340

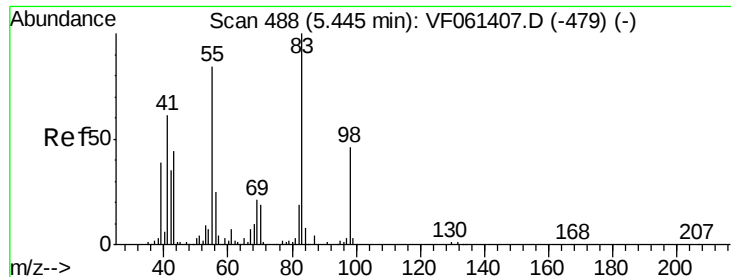
Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Tgt Ion	117	119	121	Ratio	100	94.5	31.7	Resp	434141	Lower	Upper
117	100										
119		94.5				79.0					118.6
121			31.7				27.0				40.6





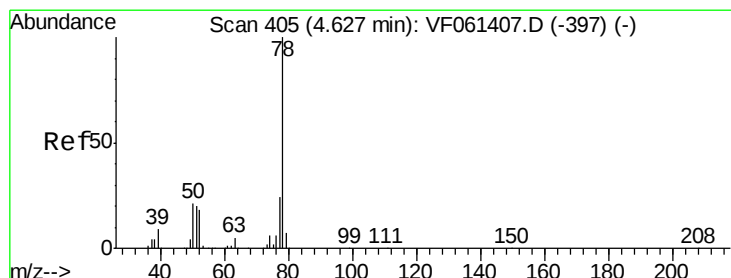
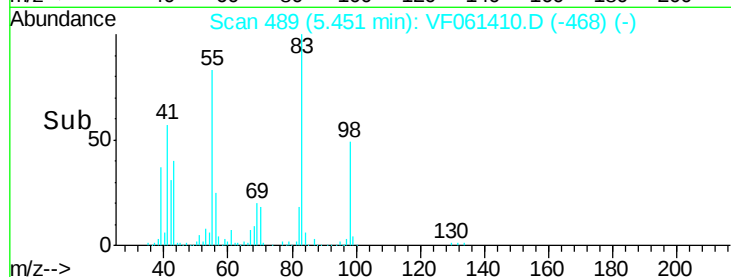
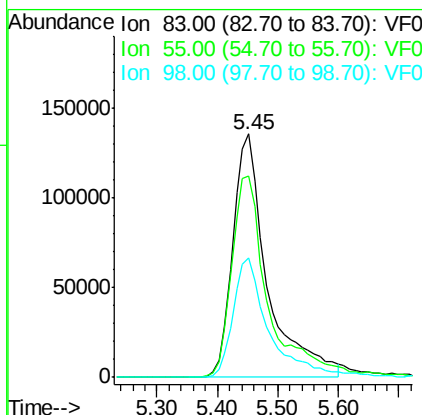
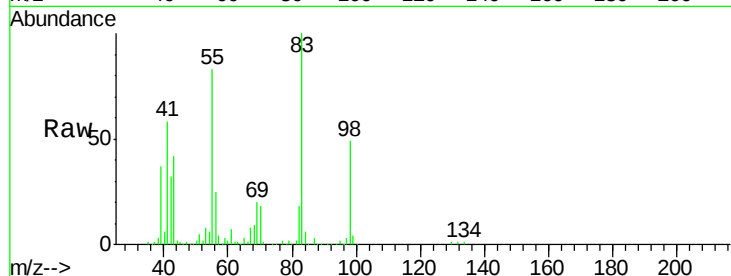
#39
Methvlcvclohexane
Concen: 133.779 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.8	67.4	101.2
98	48.9	36.7	55.1

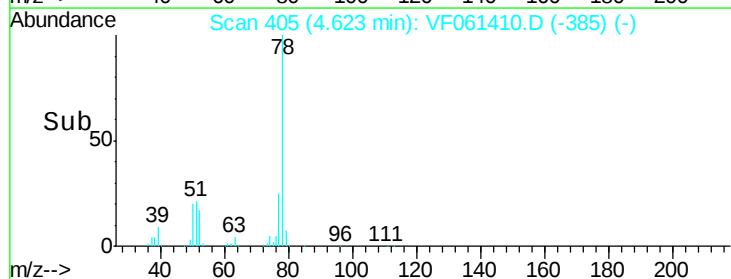
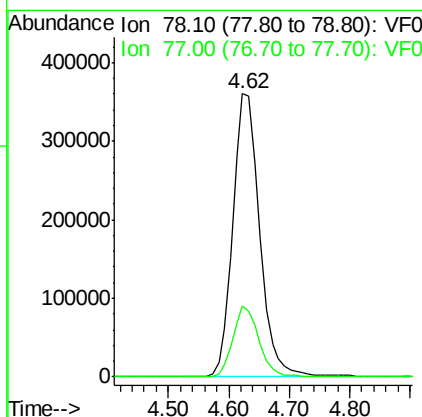
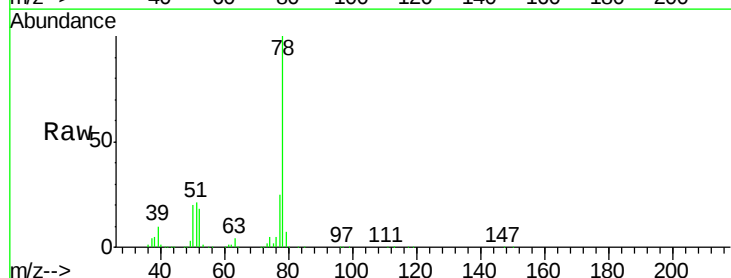
Manual Integrations
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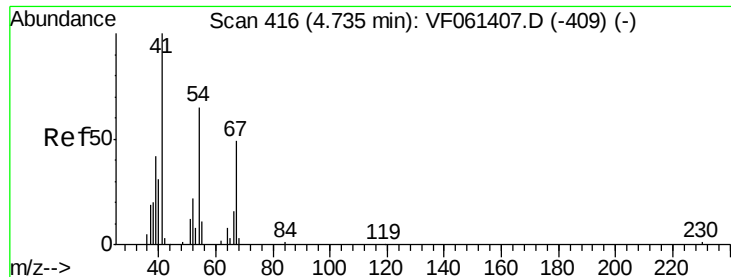
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#40
Benzene
Concen: 133.991 ug/l
RT: 4.62 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.0	28.6





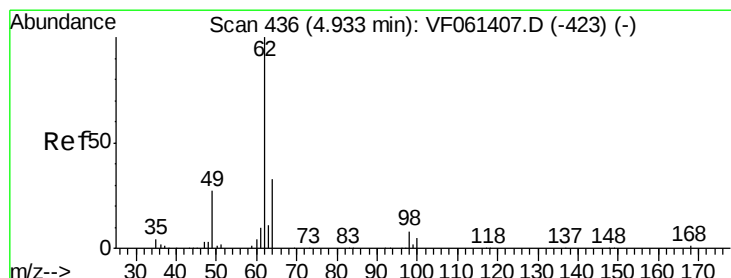
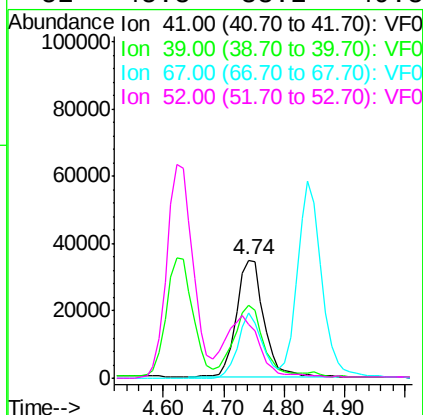
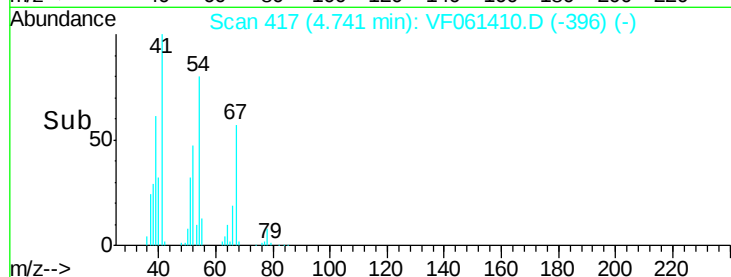
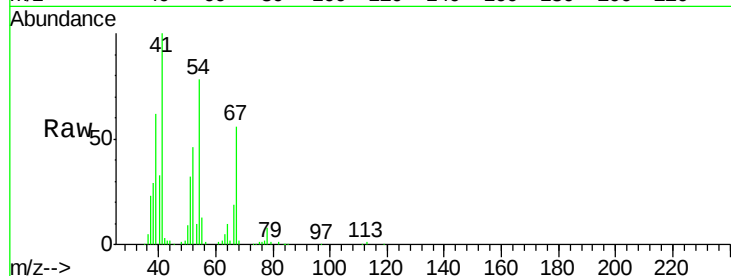
#41
Methacrylonitrile
Concen: 139.770 ug/l
RT: 4.74 min Scan# 417
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	61.9	43.1	64.7	
67	55.6	38.8	58.2	
52	45.8	33.2	49.8	

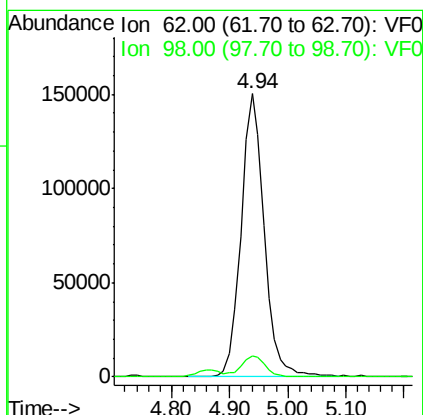
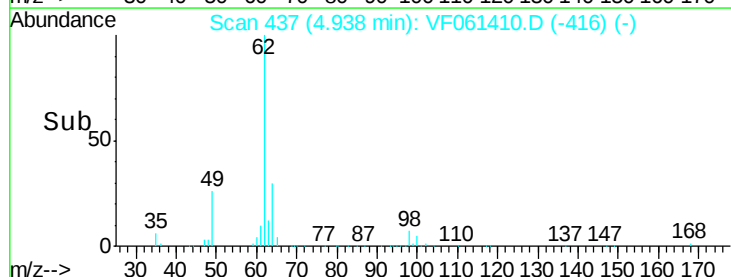
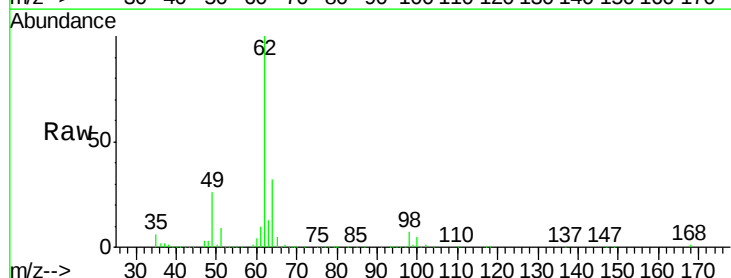
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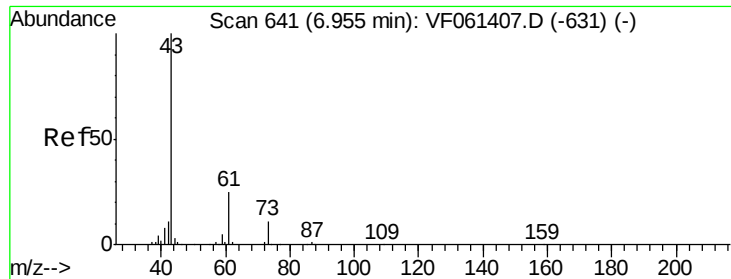
apatel
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#42
1,2-Dichloroethane
Concen: 144.915 ug/l
RT: 4.94 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.3	0.0	17.0	





#43

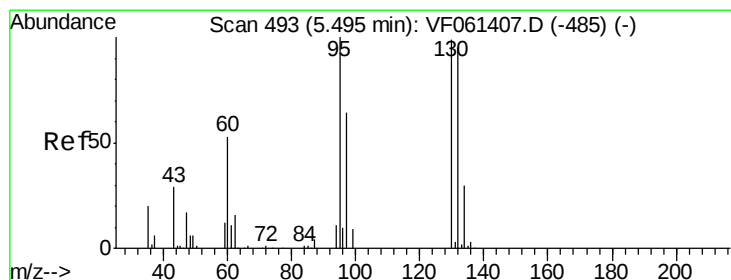
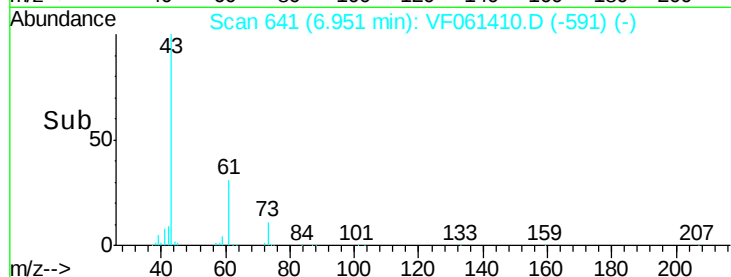
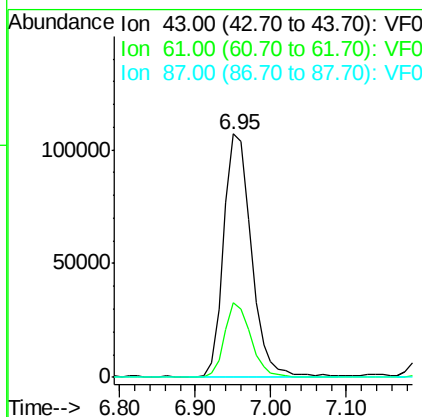
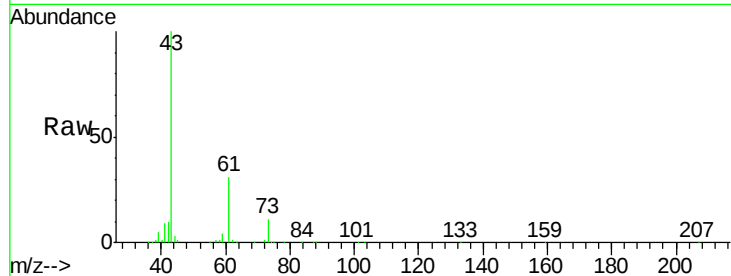
Isopropyl Acetate
 Concen: 151.655 ug/l
 RT: 6.95 min Scan# 641
 Delta R.T. -0.00 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

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

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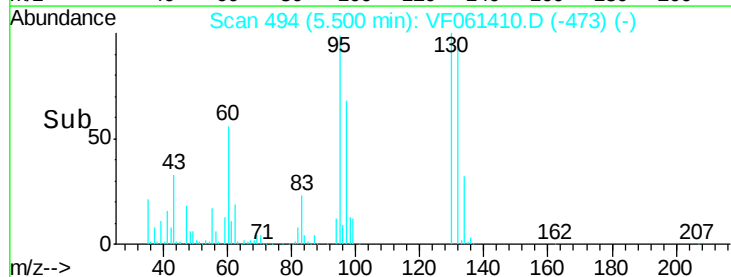
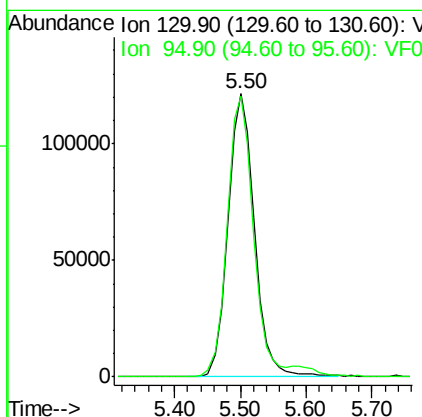
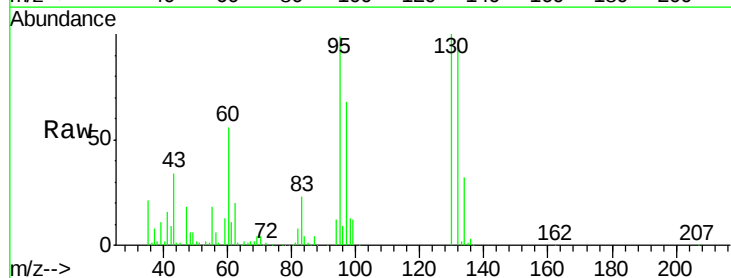
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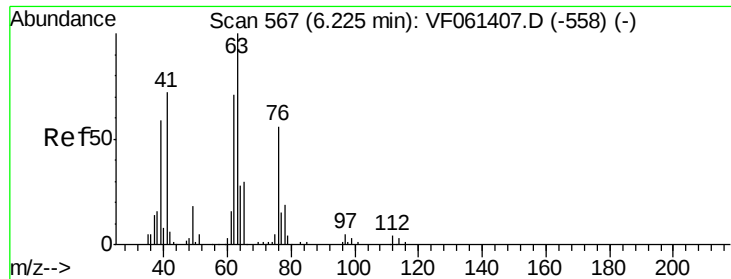


#44

Trichloroethene
 Concen: 133.796 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	202.8





#45

1,2-Dichloropropane

Concen: 135.646 ug/l

RT: 6.23 min Scan# 568

Delta R.T. 0.01 min

Lab File: VF061410.D

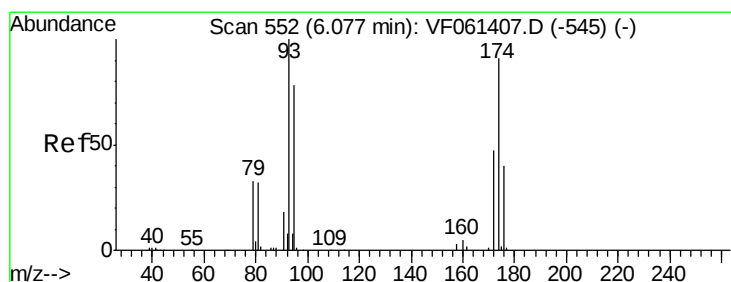
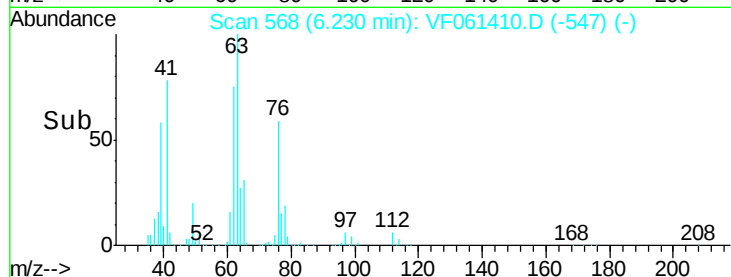
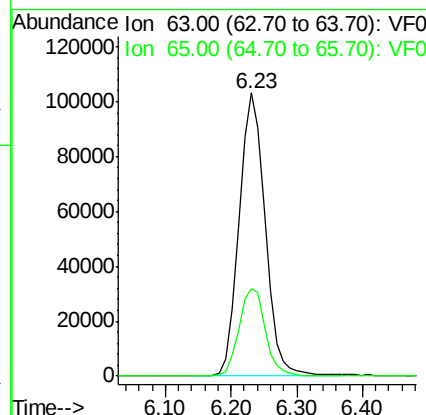
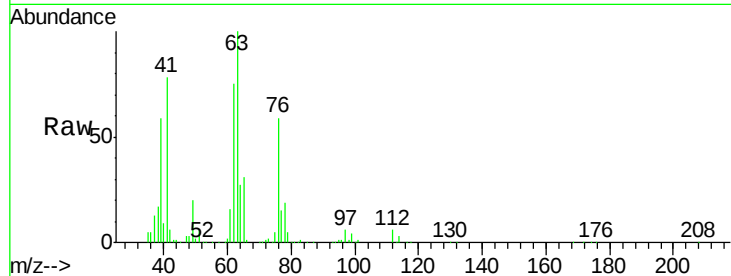
Acq: 15 Jan 2019 16:53

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.4	36.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Manual Integrations
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#46

Dibromomethane

Concen: 144.765 ug/l

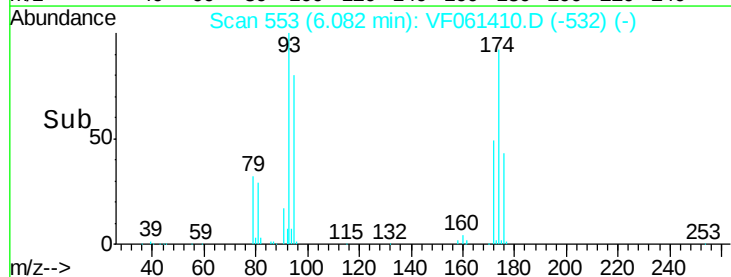
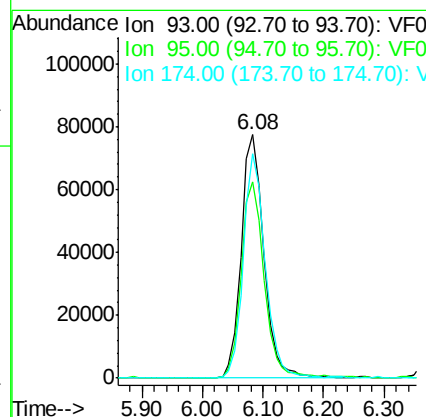
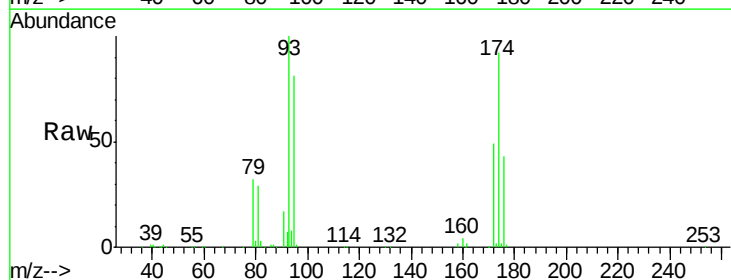
RT: 6.08 min Scan# 553

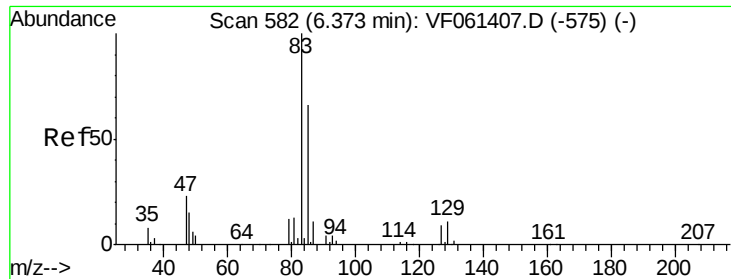
Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.6	62.1	93.1
174	91.9	74.6	111.8





#47

Bromodichloromethane

Concen: 150.816 ug/l

RT: 6.38 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

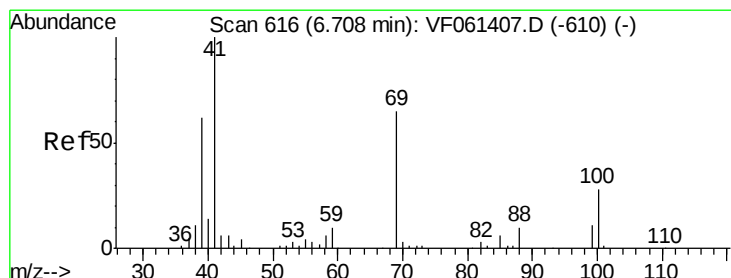
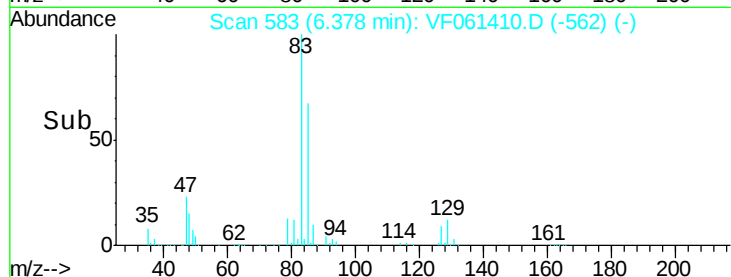
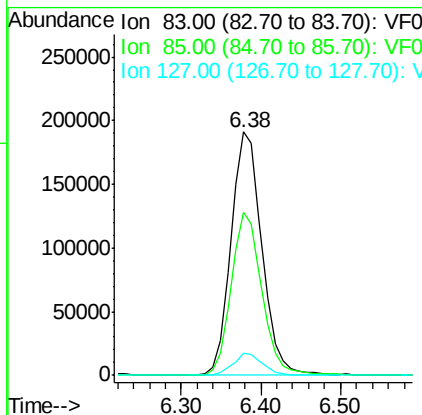
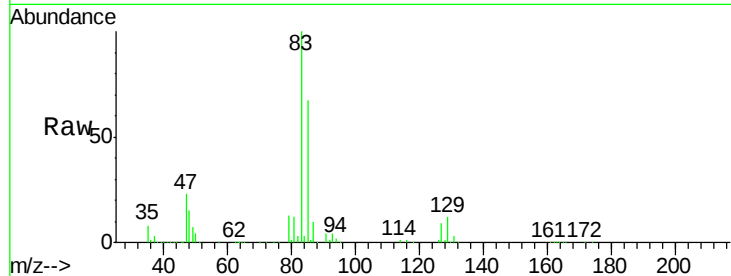
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	516055
Ion Ratio	Lower	Upper	
83	100		
85	66.8	53.0	79.4
127	9.2	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 151.419 ug/l

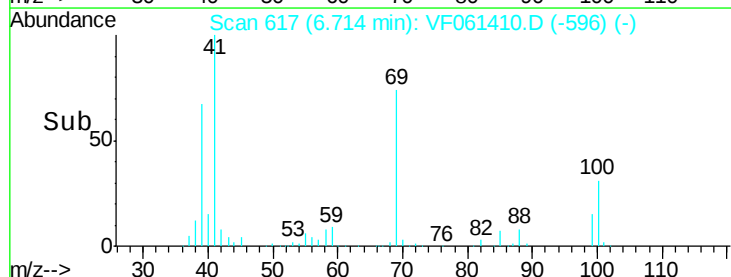
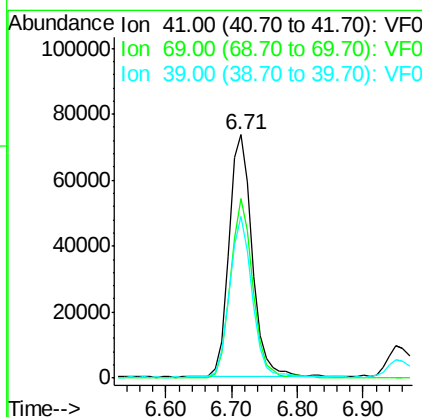
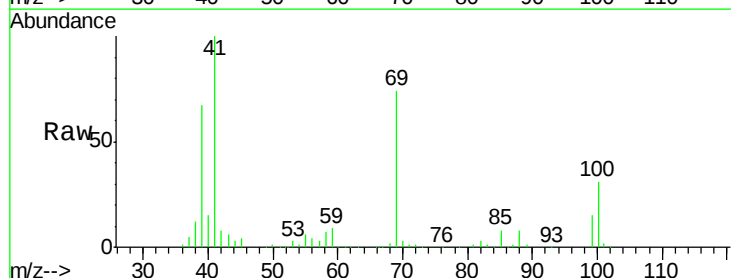
RT: 6.71 min Scan# 617

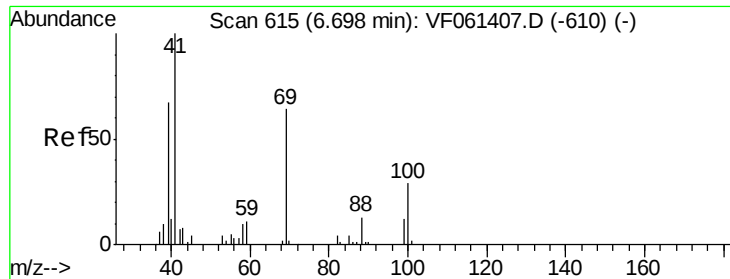
Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Tgt Ion:	41	Resp:	182105
Ion Ratio	Lower	Upper	
41	100		
69	73.9	51.7	77.5
39	66.5	49.2	73.8





#49

1,4-Dioxane

Concen: 2648.037 ug/l

RT: 6.70 min Scan# 616

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

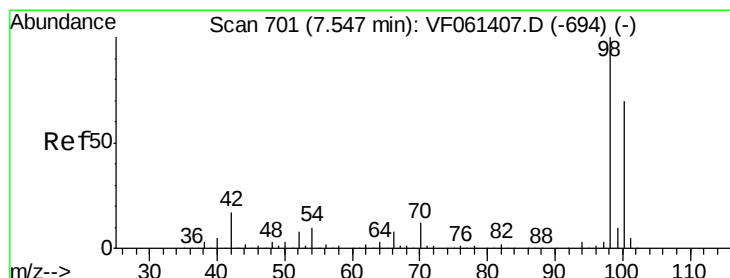
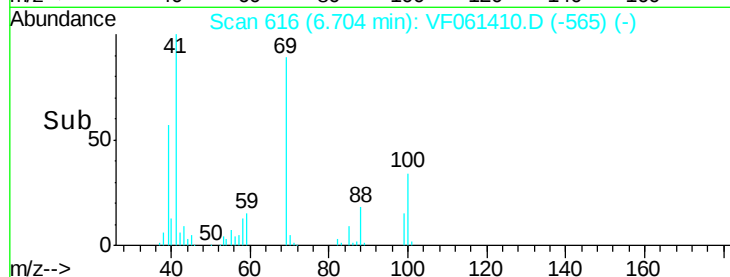
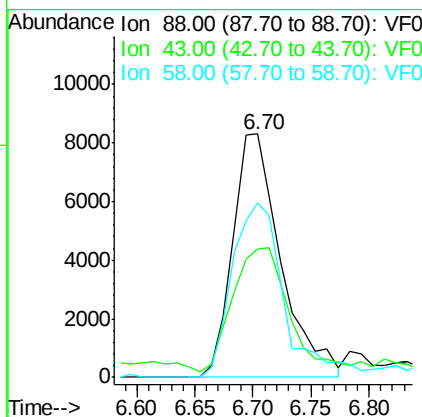
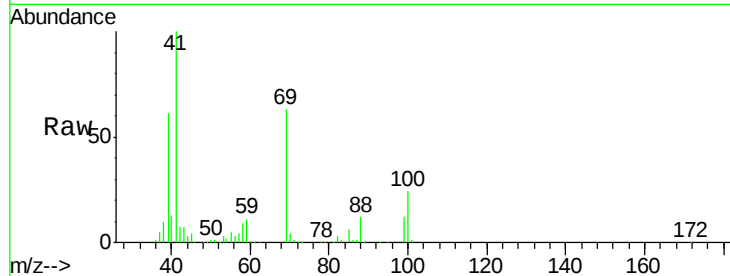
ClientSampleId :

VSTDIC150

Tot Ion:	88	Resp:	23787
Ion	Ratio	Lower	Upper
88	100		
43	52.8	55.5	83.3#
58	71.9	59.9	89.9

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#50

Toluene-d8

Concen: 139.717 ug/l

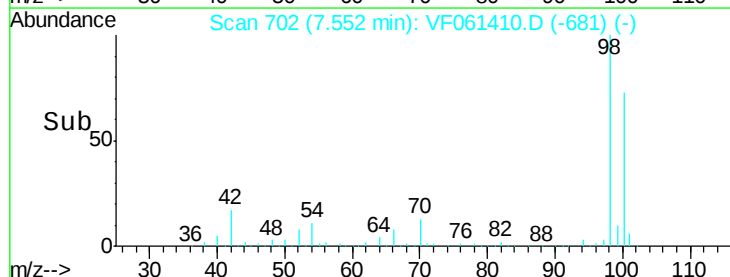
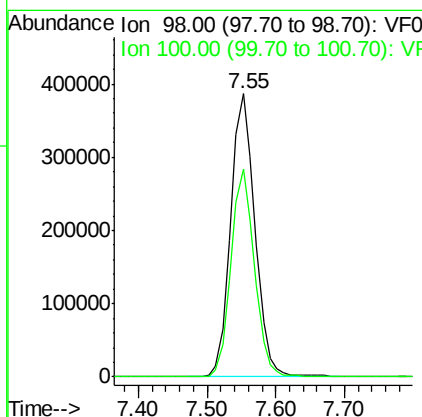
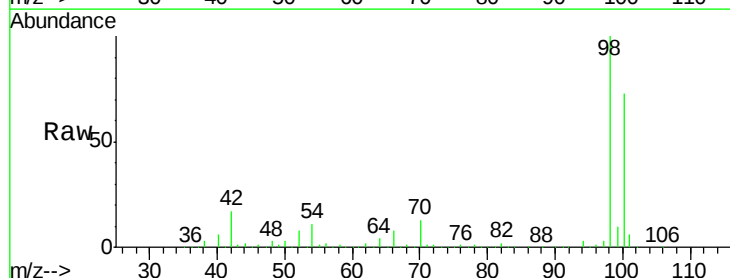
RT: 7.55 min Scan# 702

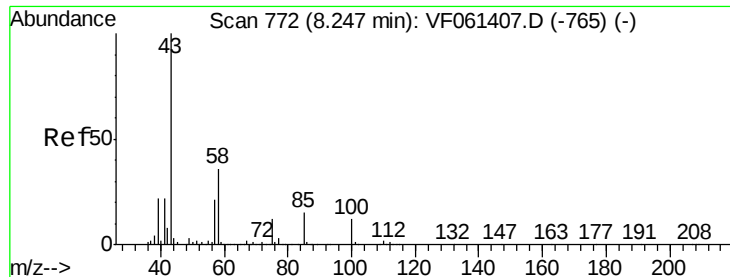
Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Tgt Ion:	98	Resp:	944622
Ion	Ratio	Lower	Upper
98	100		
100	73.2	55.6	83.4





#51

4-Methyl-2-Pentanone

Concen: 617.074 ug/l

RT: 8.25 min Scan# 773

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 860882

Ion Ratio Lower Upper

43 100

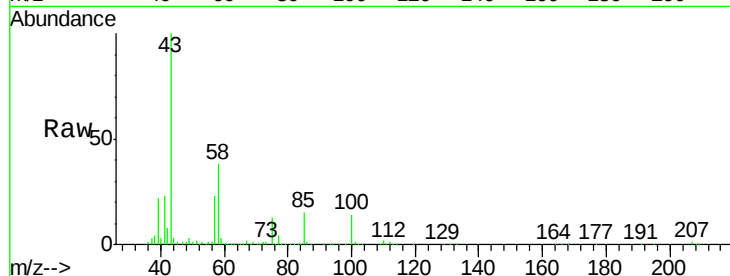
58 38.3 28.8 43.2

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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

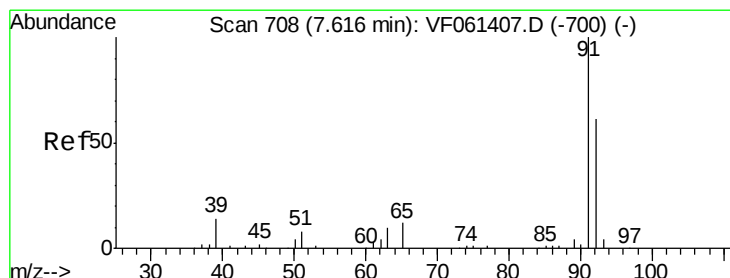
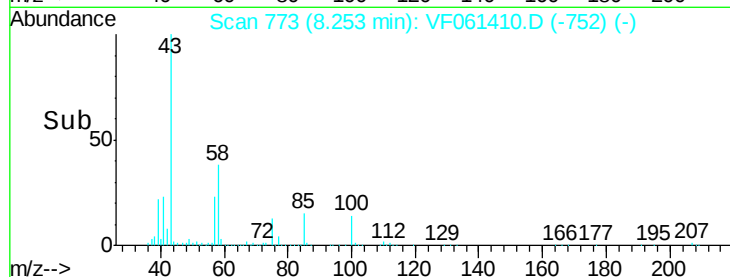
300000

200000

100000

0

Time--> 8.10 8.20 8.30 8.40



#52

Toluene

Concen: 123.080 ug/l

RT: 7.62 min Scan# 709

Delta R.T. 0.01 min

Lab File: VF061410.D

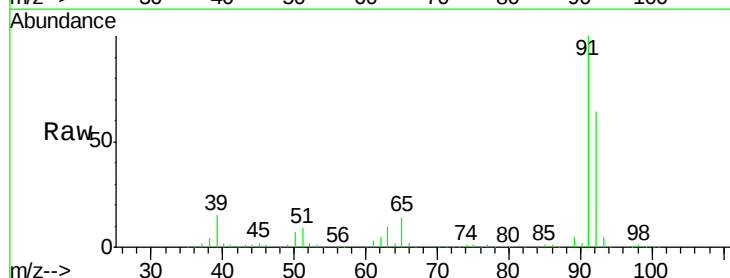
Acq: 15 Jan 2019 16:53

Tgt Ion: 92 Resp: 680061

Ion Ratio Lower Upper

92 100

91 156.3 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.62

500000

400000

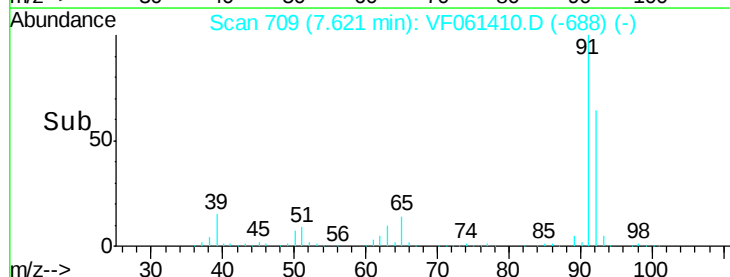
300000

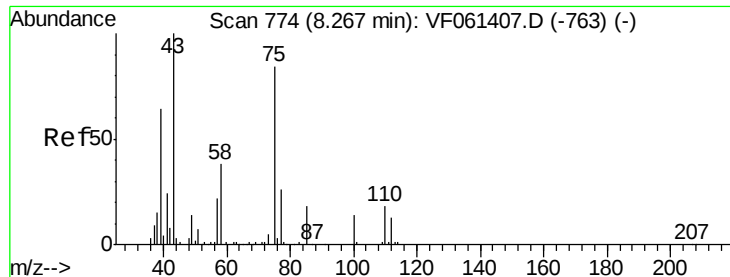
200000

100000

0

Time--> 7.50 7.60 7.70 7.80





#53

t-1,3-Dichloropropene

Concen: 142.162 ug/l

RT: 8.27 min Scan# 775

Delta R.T. 0.01 min

Lab File: VF061410.D

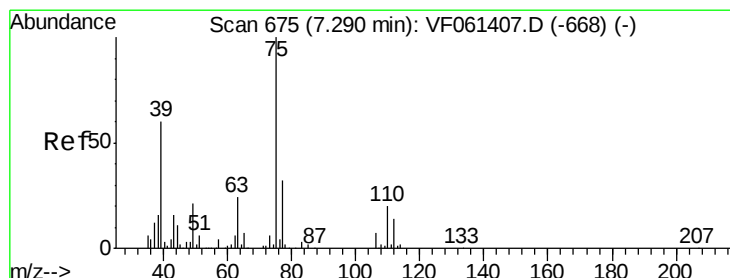
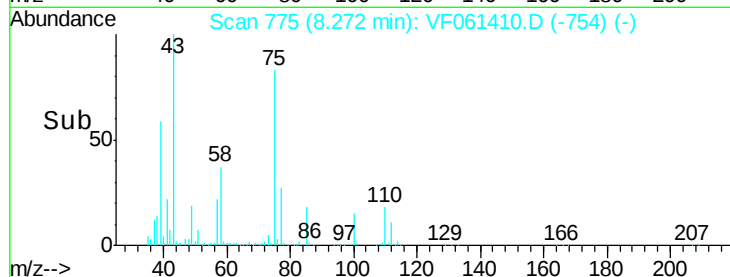
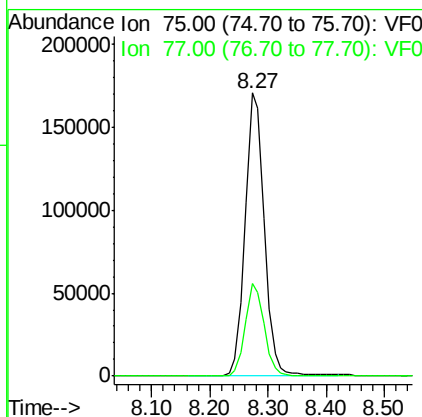
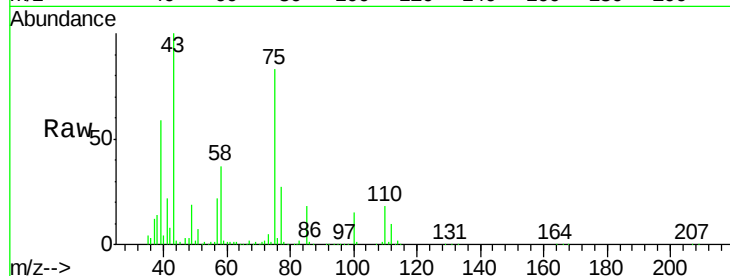
Acq: 15 Jan 2019 16:53

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.9	24.4	36.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

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#54

cis-1,3-Dichloropropene

Concen: 139.185 ug/l

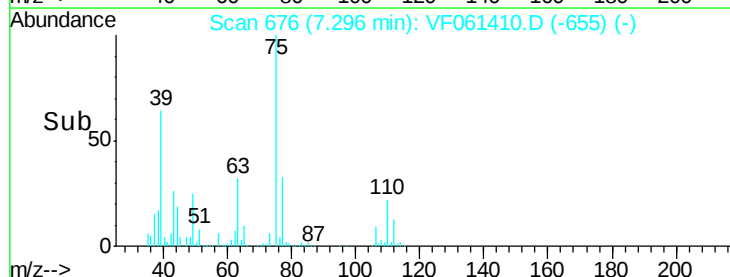
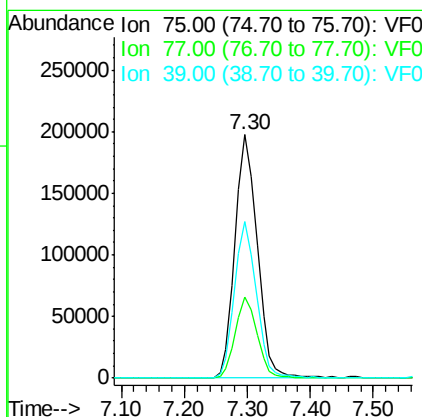
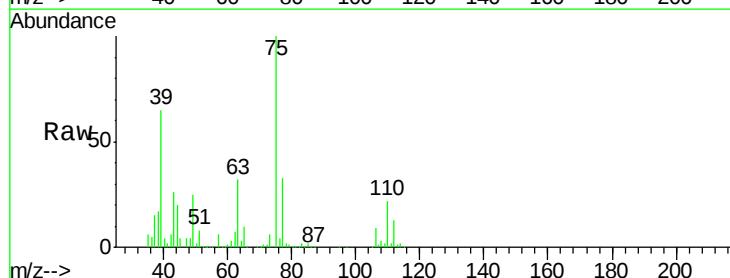
RT: 7.30 min Scan# 676

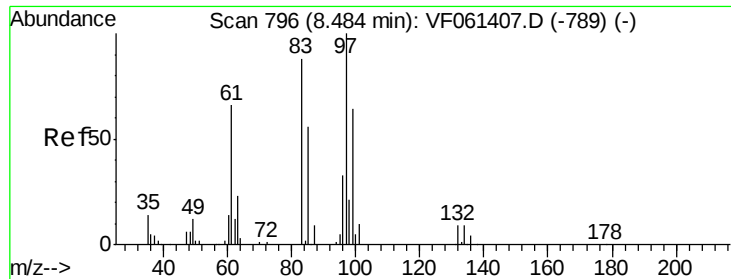
Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.4	38.0
39	64.6	47.8	71.8





#55

1,1,2-Trichloroethane

Concen: 144.235 ug/l

RT: 8.49 min Scan# 797

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

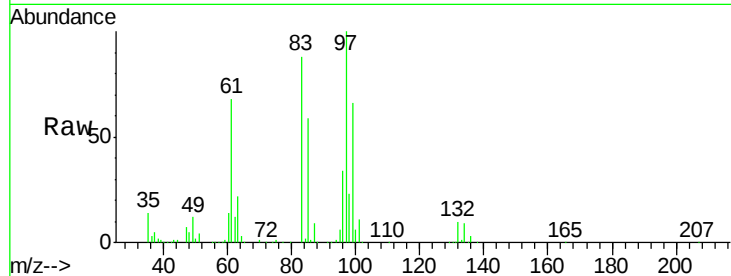
ClientSampled :

VSTDIC150

Tot Ion:	97	Resp:	216600
Ion Ratio	Lower	Upper	
97	100		
83	87.7	70.4	105.6
85	58.7	44.7	67.1
99	65.6	50.8	76.2

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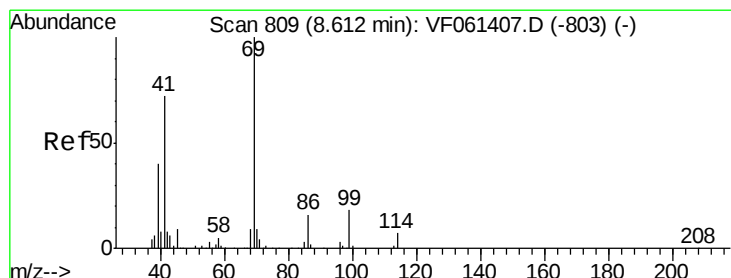
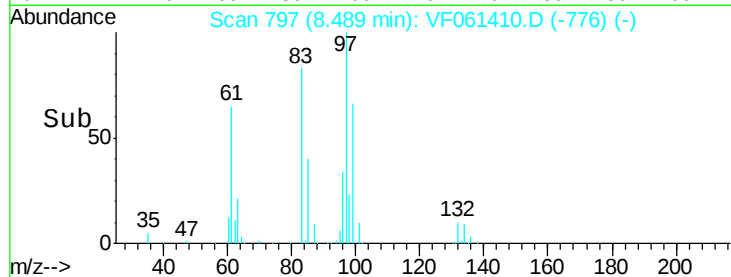
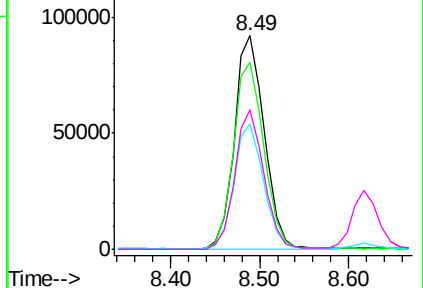


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 152.531 ug/l

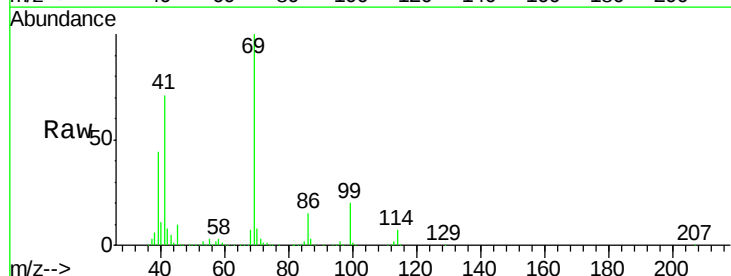
RT: 8.62 min Scan# 810

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

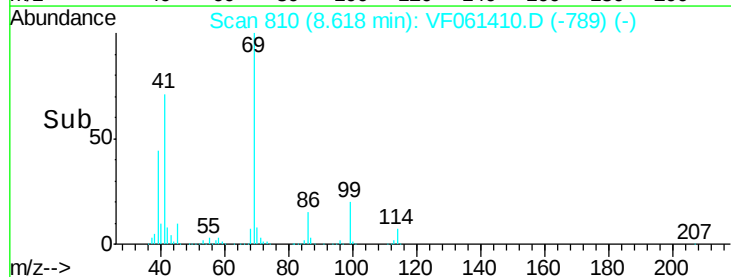
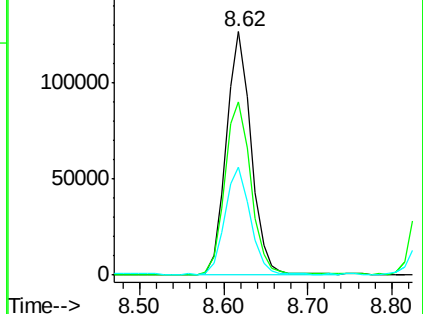
Tgt Ion:	69	Resp:	262499
Ion Ratio	Lower	Upper	
69	100		
41	71.3	57.5	86.3
39	44.4	32.0	48.0

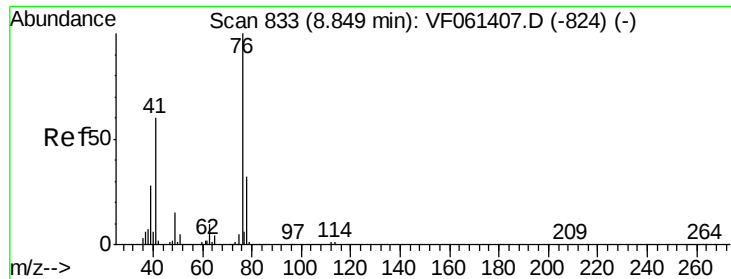


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 147.332 ug/l

RT: 8.85 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 410423

Ion Ratio Lower Upper

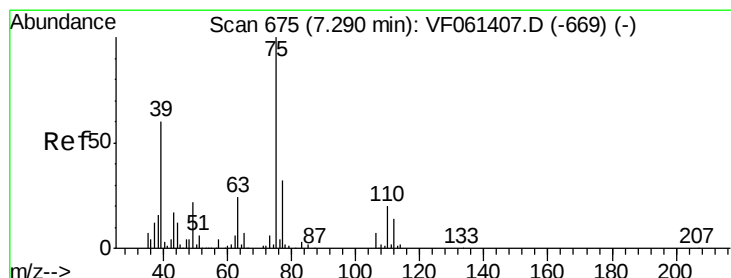
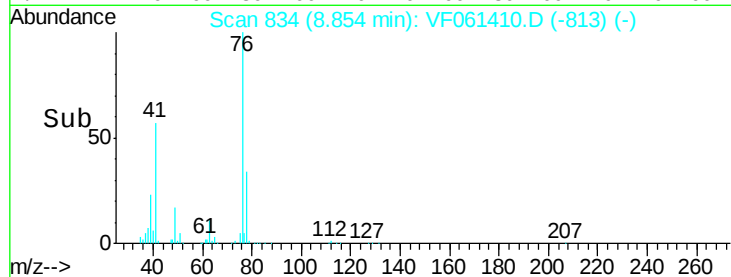
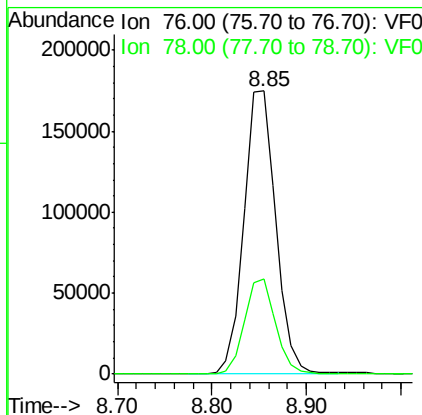
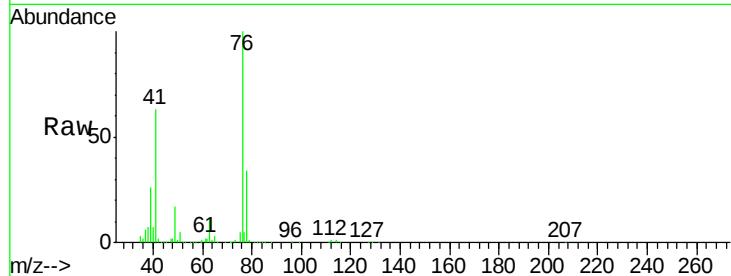
76 100

78 33.5 25.3 37.9

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#58

2-Chloroethyl Vinyl ether

Concen: 1252.595 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061410.D

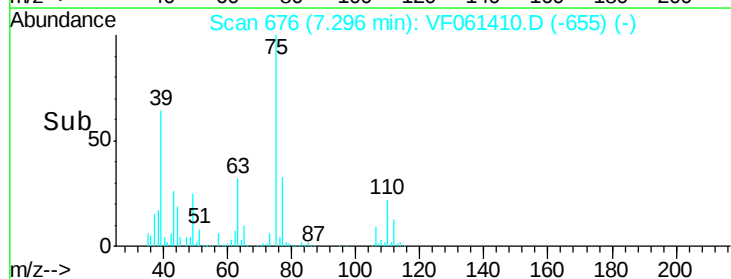
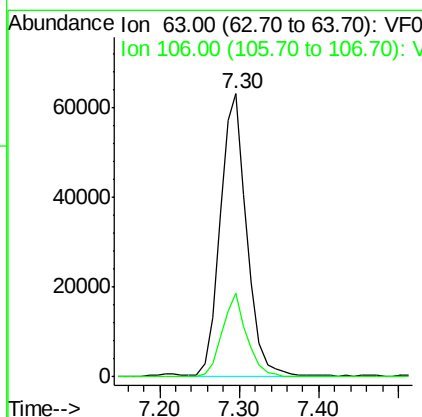
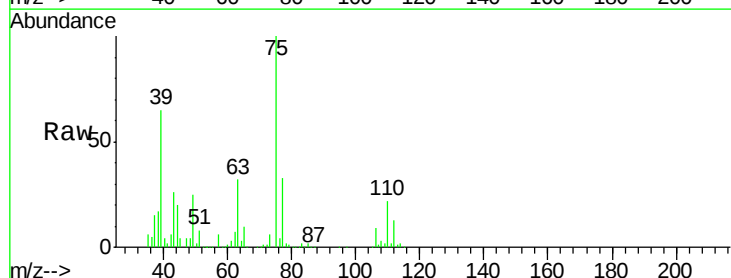
Acq: 15 Jan 2019 16:53

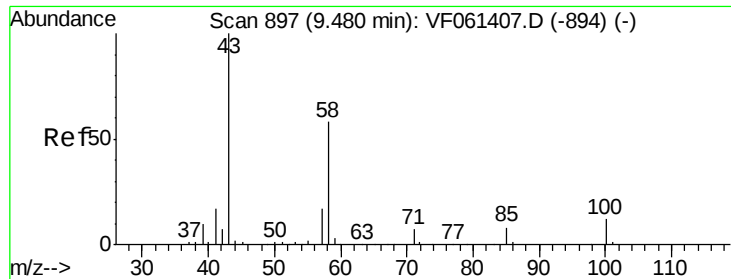
Tgt Ion: 63 Resp: 145831

Ion Ratio Lower Upper

63 100

106 29.4 21.9 32.9





#59

2-Hexanone

Concen: 604.222 ug/l

RT: 9.49 min Scan# 898

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDICC150

Tot Ion: 43 Resp: 586755

Ion Ratio Lower Upper

43 100

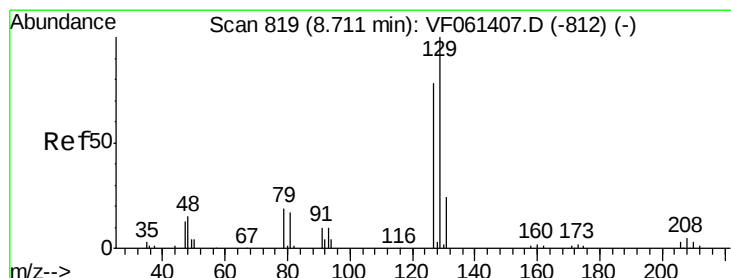
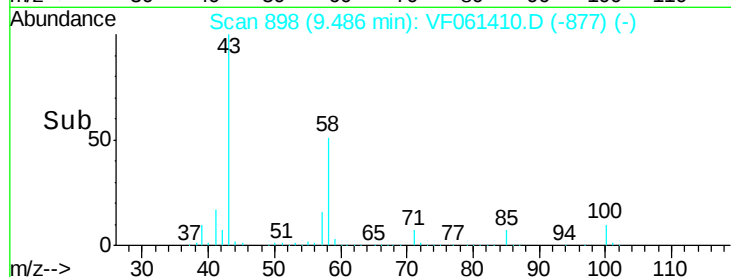
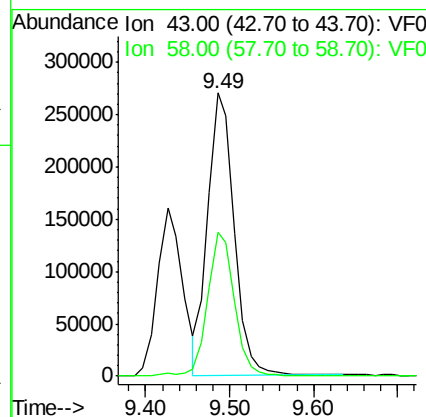
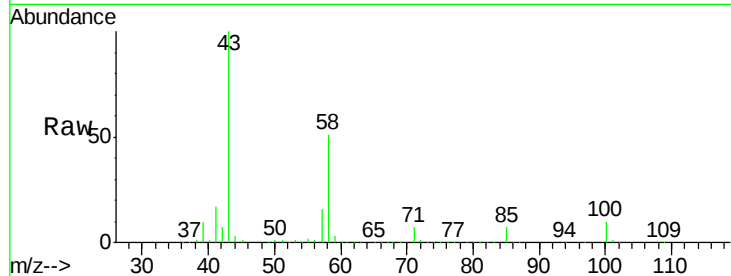
58 50.7 25.9 77.6

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#60

Dibromochloromethane

Concen: 156.266 ug/l

RT: 8.72 min Scan# 820

Delta R.T. 0.01 min

Lab File: VF061410.D

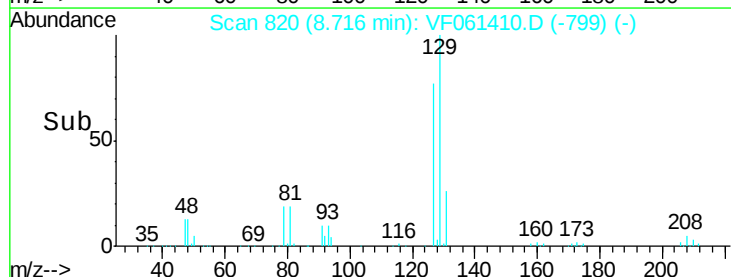
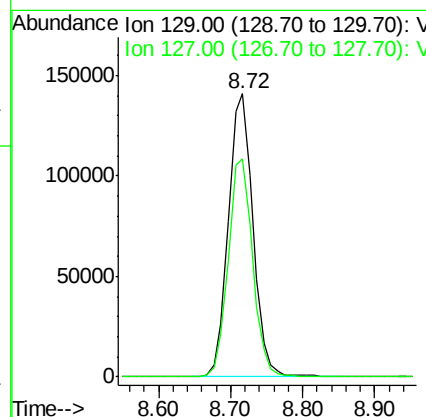
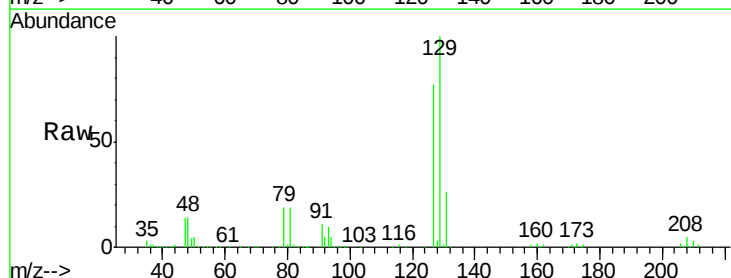
Acq: 15 Jan 2019 16:53

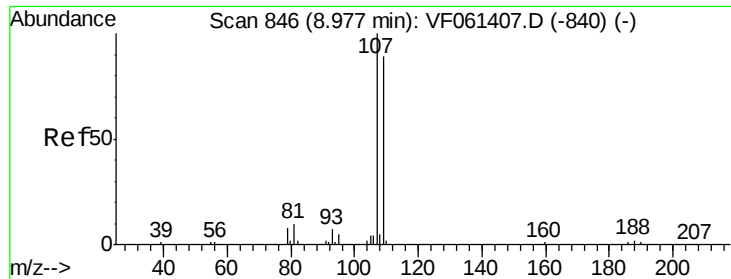
Tgt Ion: 129 Resp: 333525

Ion Ratio Lower Upper

129 100

127 77.1 39.1 117.2





#61

1,2-Dibromoethane

Concen: 143.175 ug/l

RT: 8.98 min Scan# 847

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 246001

Ion Ratio Lower Upper

107 100

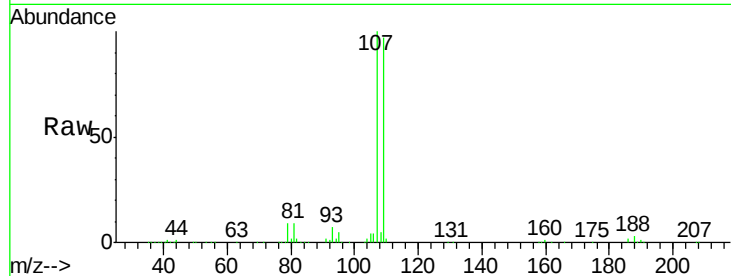
109 96.7 70.8 106.2

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.98

120000

100000

80000

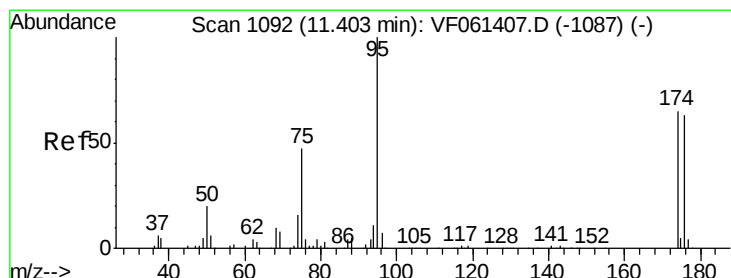
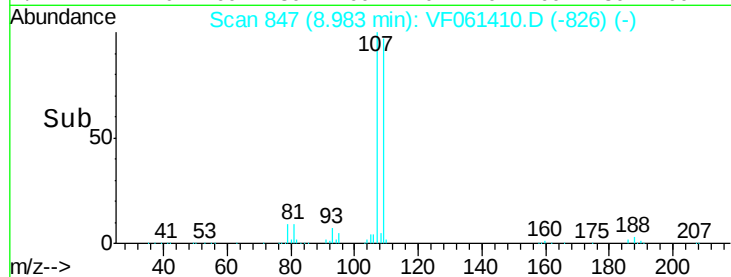
60000

40000

20000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 129.364 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

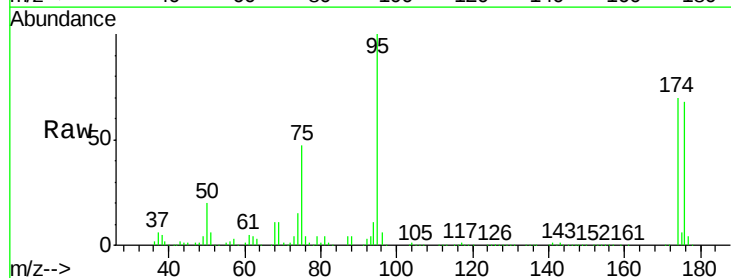
Tgt Ion: 95 Resp: 422536

Ion Ratio Lower Upper

95 100

174 69.7 0.0 130.4

176 67.7 0.0 126.2



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

11.41

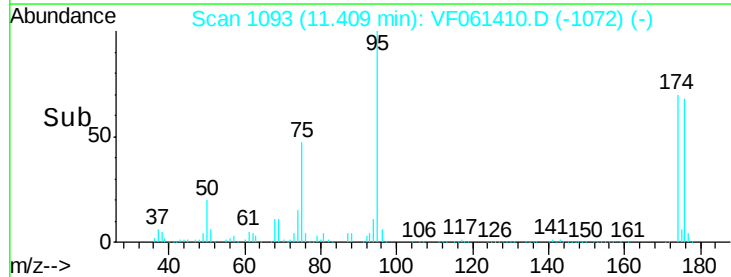
300000

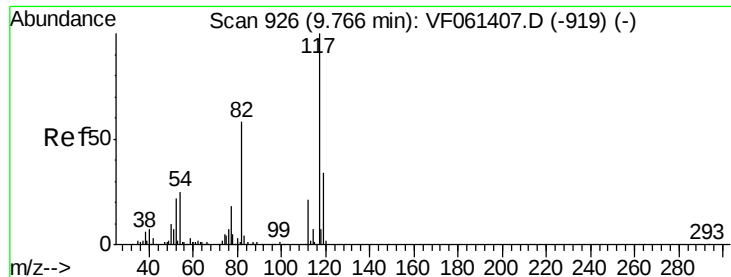
200000

100000

0

Time-->





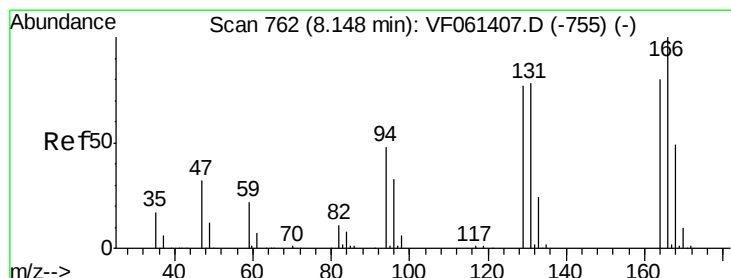
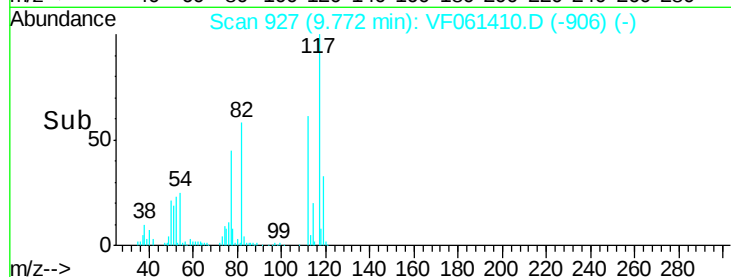
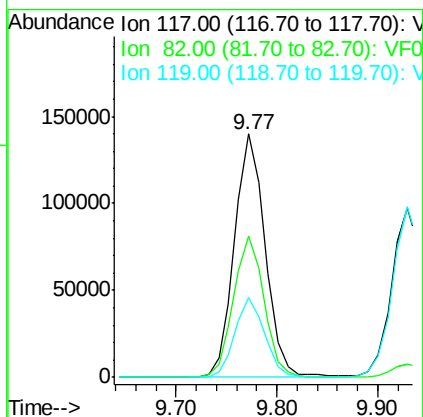
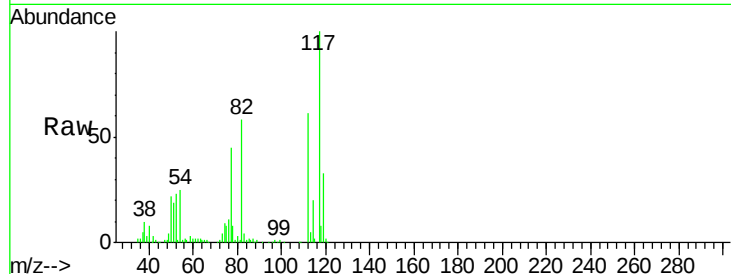
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	296840		
82	58.2	46.4	69.6	
119	32.7	27.2	40.8	

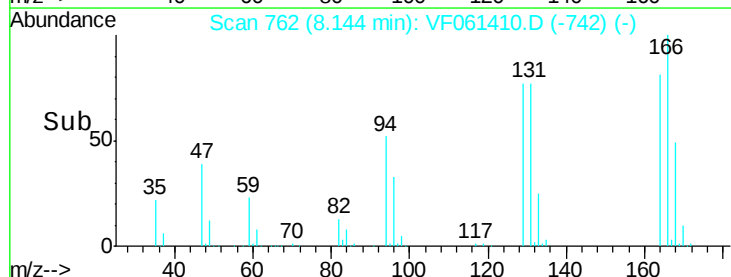
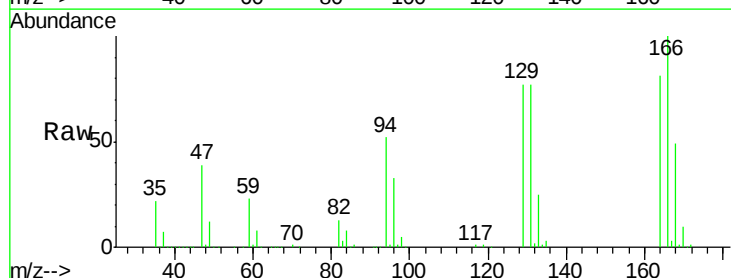
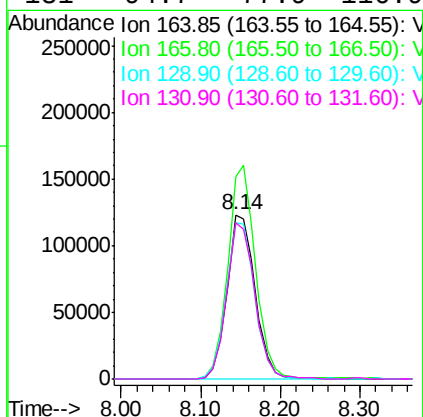
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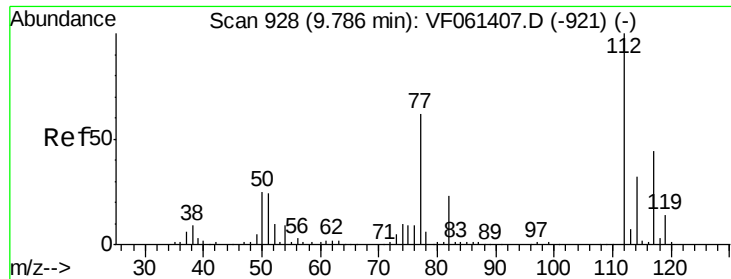
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#64
Tetrachloroethene
Concen: 135.060 ug/l
RT: 8.14 min Scan# 762
Delta R.T. -0.00 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	305395		
166	123.1	99.6	149.4	
129	95.0	76.4	114.6	
131	94.7	77.9	116.9	





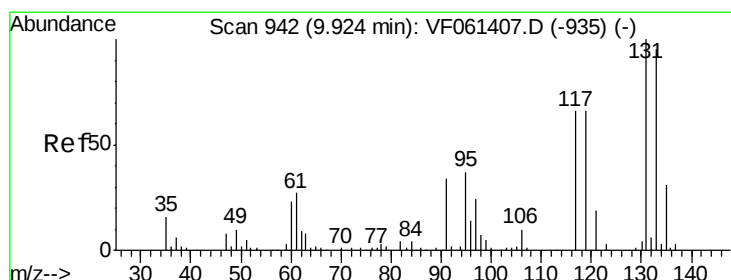
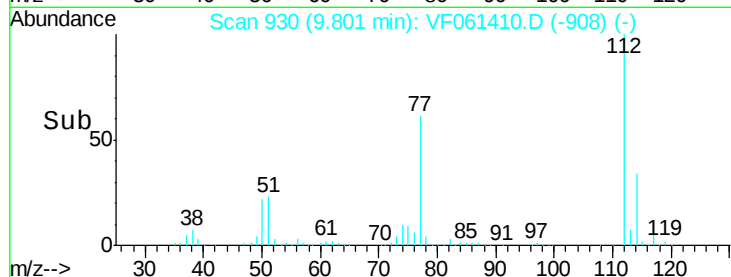
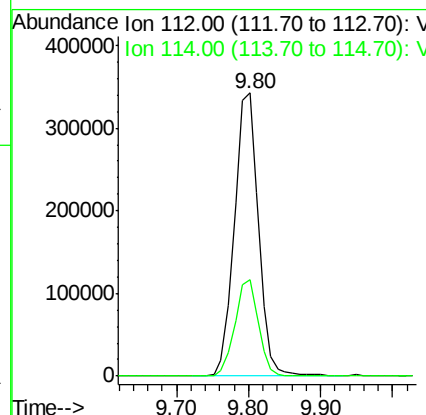
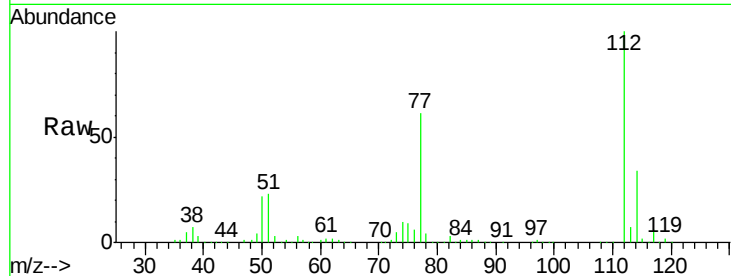
#65
Chlorobenzene
Concen: 127.189 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.02 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 800092
Ion Ratio Lower Upper
112 100
114 34.2 25.4 38.0

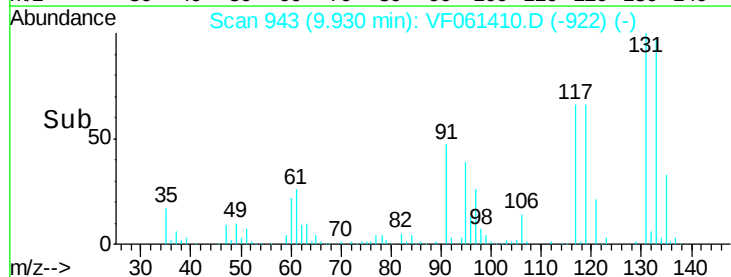
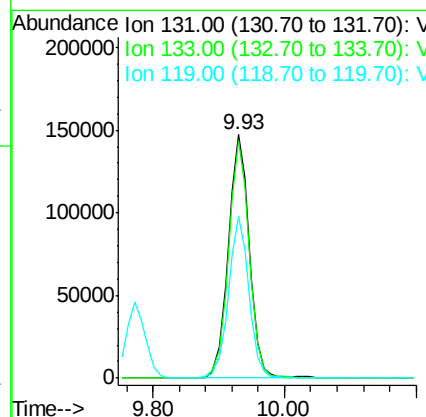
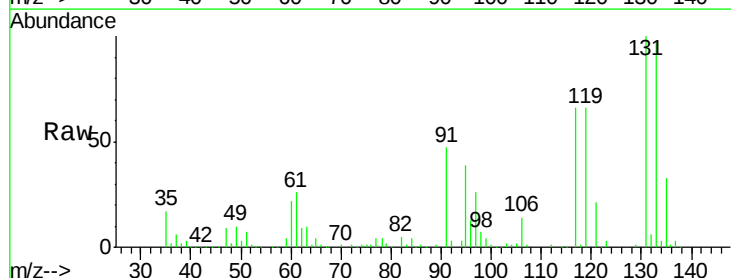
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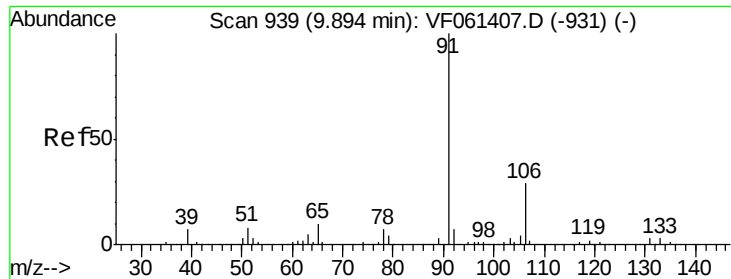
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#66
1,1,1,2-Tetrachloroethane
Concen: 133.579 ug/l
RT: 9.93 min Scan# 943
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Tgt Ion:131 Resp: 328933
Ion Ratio Lower Upper
131 100
133 97.3 47.4 142.2
119 66.4 33.1 99.3





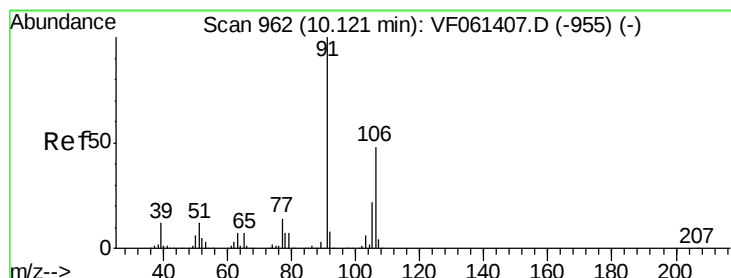
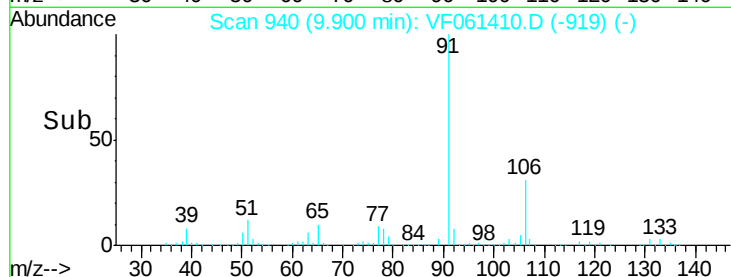
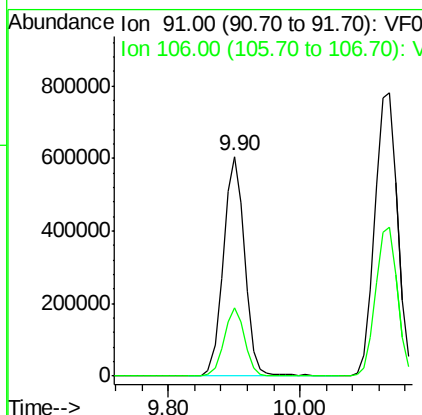
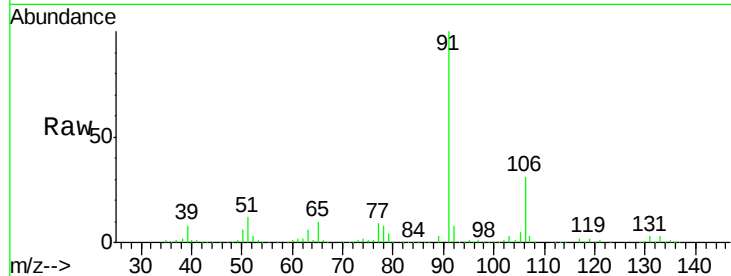
#67
Ethyl Benzene
Concen: 118.337 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1378336
Ion Ratio Lower Upper
91 100
106 31.1 23.1 34.7

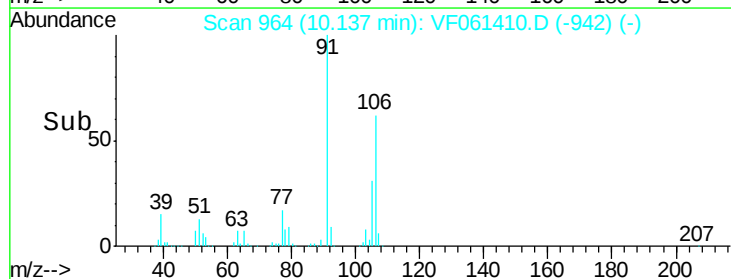
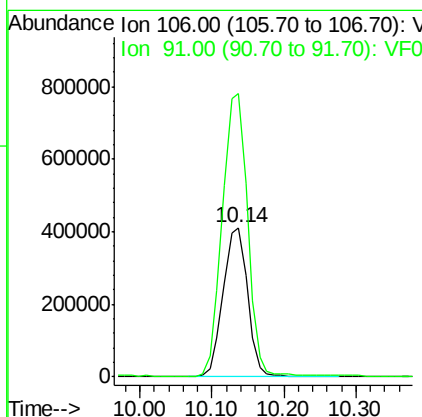
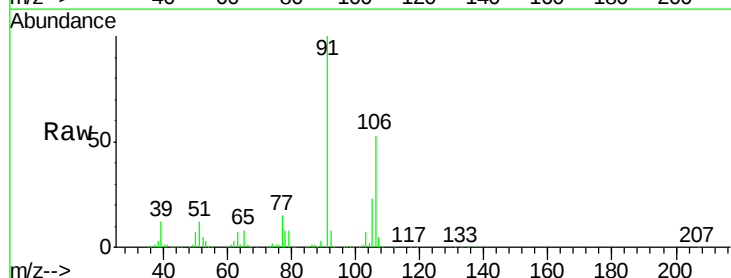
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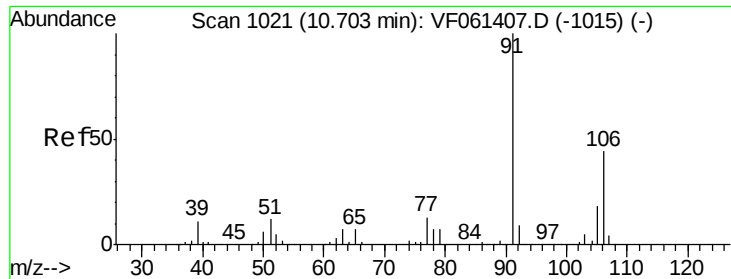
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#68
m/p-Xylenes
Concen: 230.913 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.02 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Tgt Ion: 106 Resp: 970305
Ion Ratio Lower Upper
106 100
91 189.3 166.2 249.4





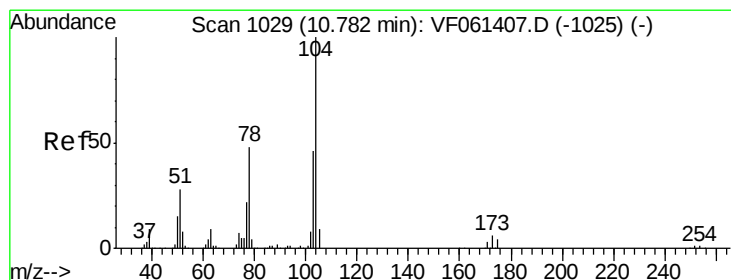
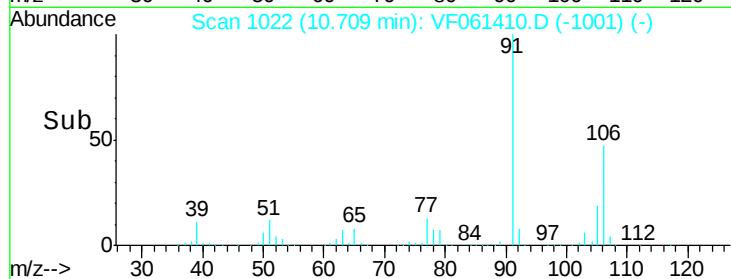
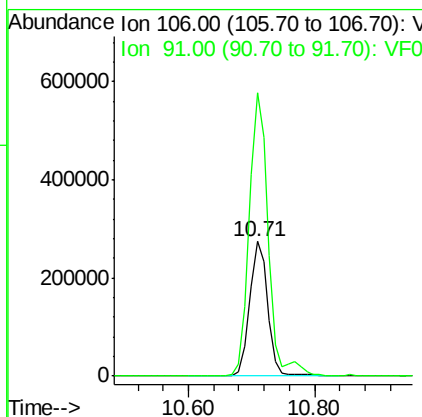
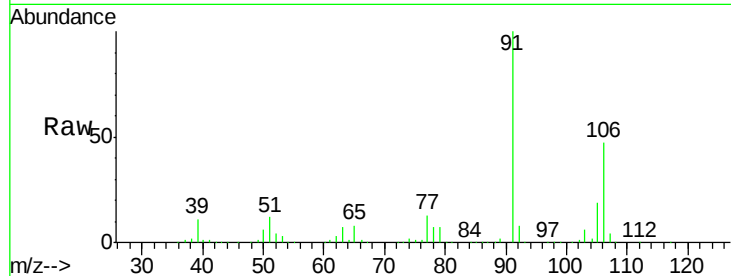
#69
o-Xylene
Concen: 121.774 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 546549
Ion Ratio Lower Upper
106 100
91 210.7 113.3 339.8

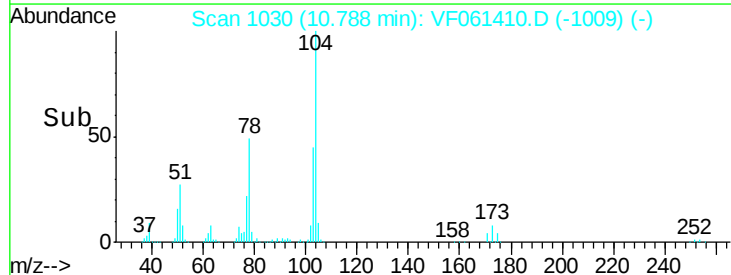
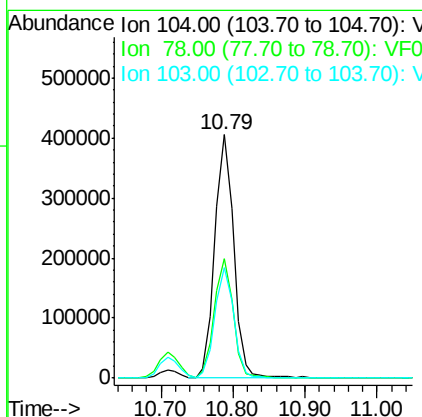
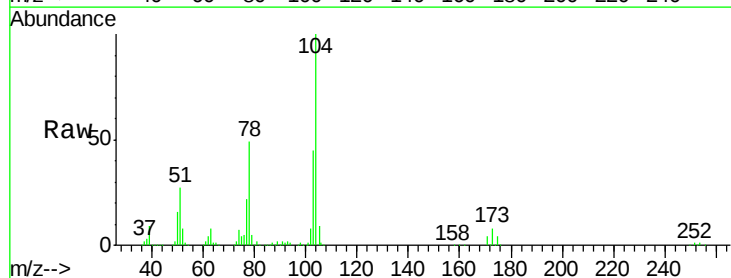
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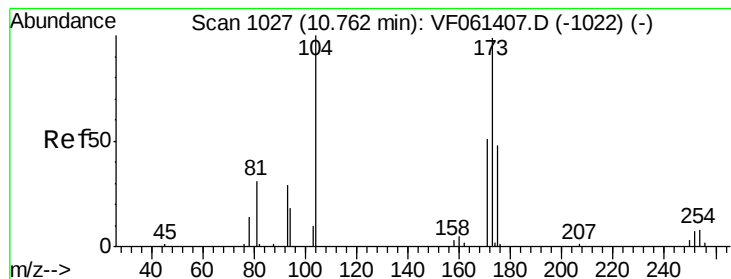
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#70
Styrene
Concen: 116.650 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Tgt Ion:104 Resp: 726688
Ion Ratio Lower Upper
104 100
78 48.8 38.8 58.2
103 45.2 37.0 55.6





#71

Bromoform

Concen: 150.485 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampled :

VSTDIC150

Tot Ion:173 Resp: 159696

Ion Ratio Lower Upper

173 100

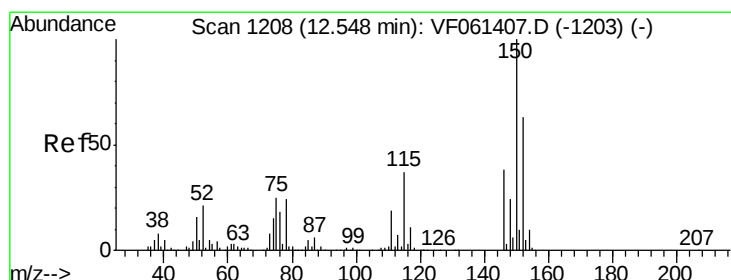
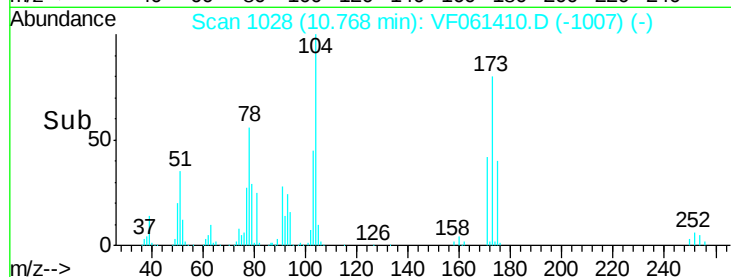
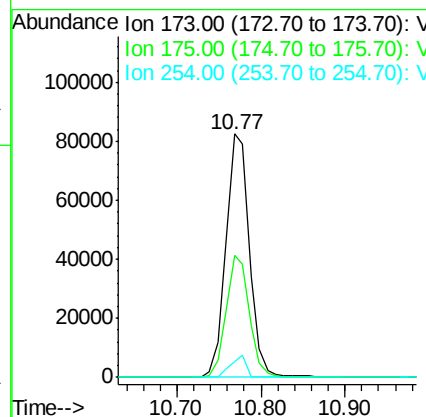
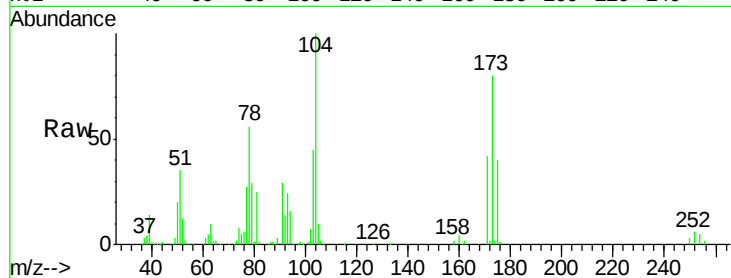
175 50.8 24.1 72.4

254 6.3 0.0 0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.55 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

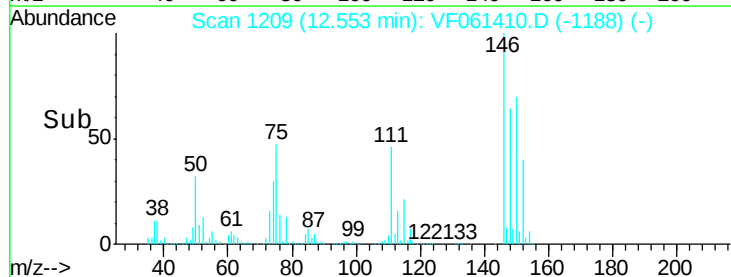
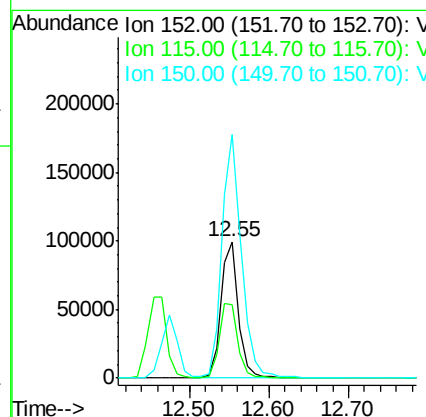
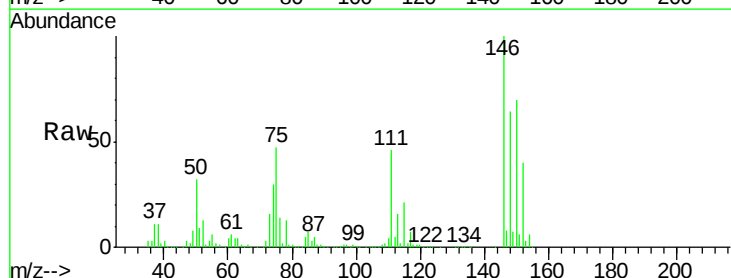
Tgt Ion:152 Resp: 153942

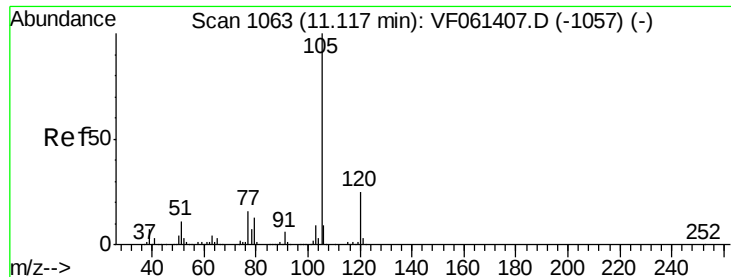
Ion Ratio Lower Upper

152 100

115 53.9 30.0 90.0

150 178.1 0.0 321.4





#73

Isopropylbenzene

Concen: 110.759 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1489142

Ion Ratio Lower Upper

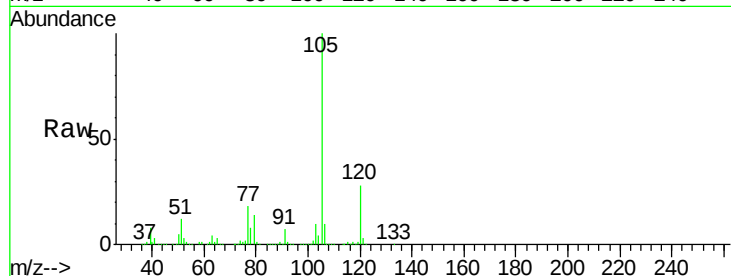
105 100

120 27.7 12.6 37.8

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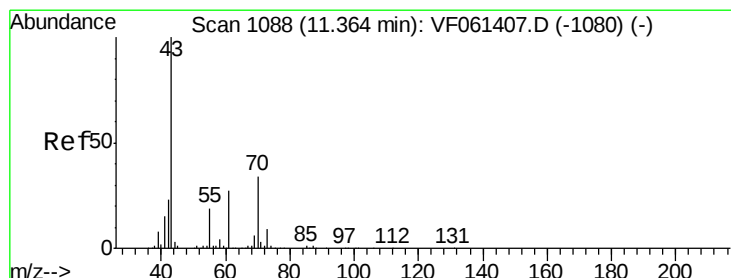
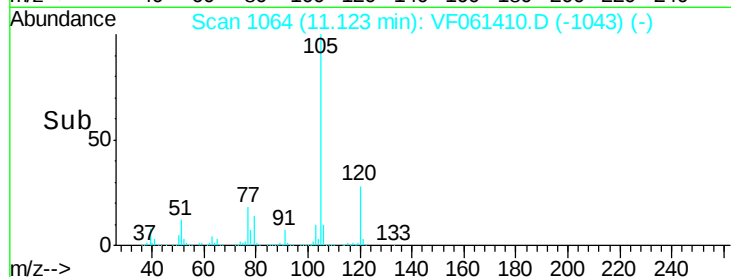
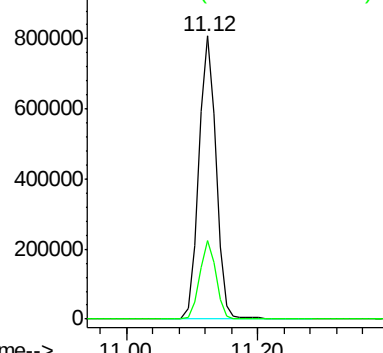
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 117.373 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Tgt Ion: 43 Resp: 362439

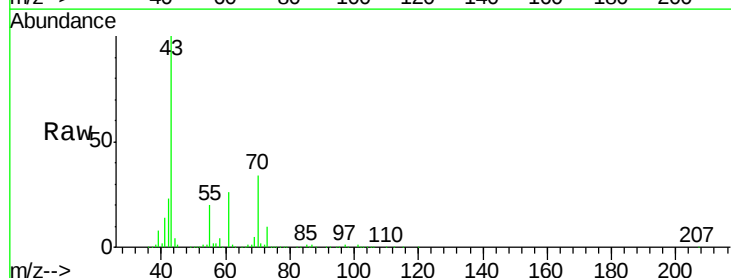
Ion Ratio Lower Upper

43 100

70 33.9 27.6 41.4

55 19.8 15.4 23.2

61 25.7 21.8 32.6

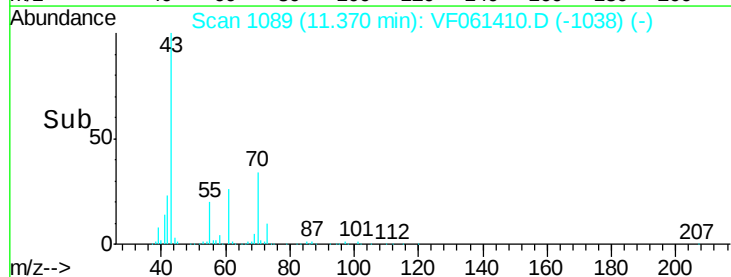
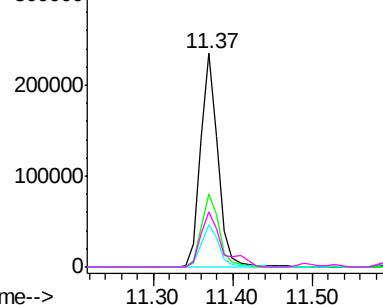


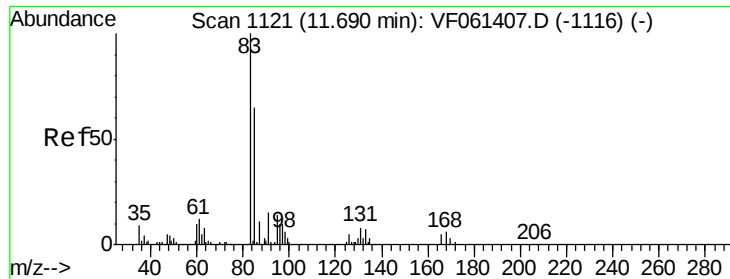
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 120.259 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

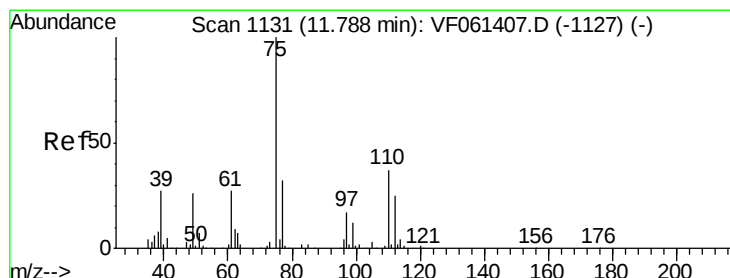
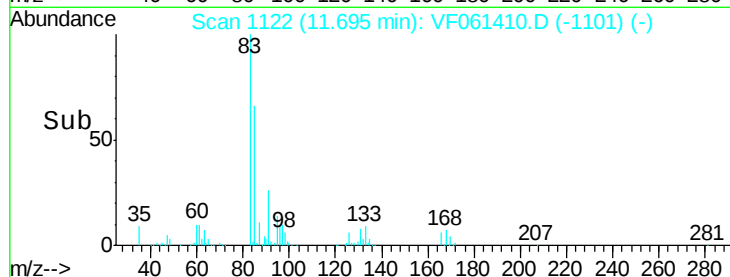
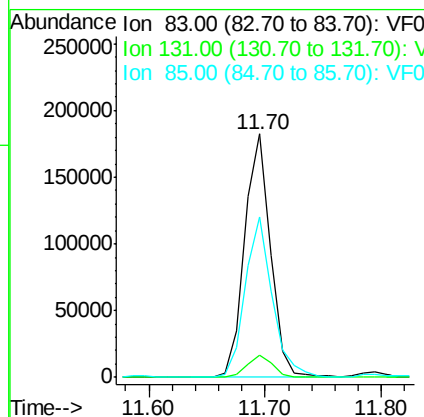
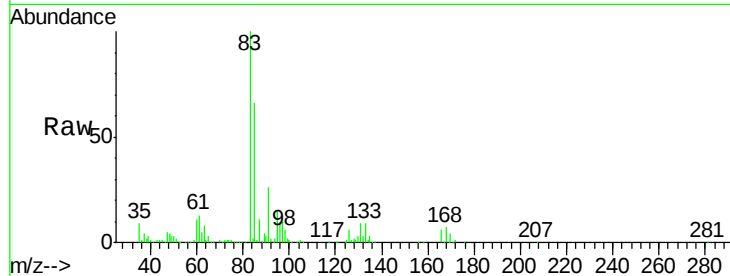
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	281213
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.0	12.2
85	65.9	32.7	98.1

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#76

1,2,3-Trichloropropane

Concen: 121.531 ug/l

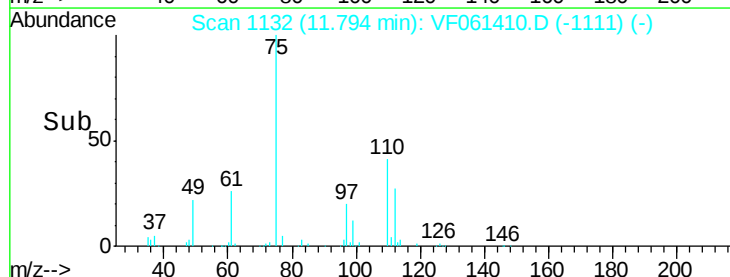
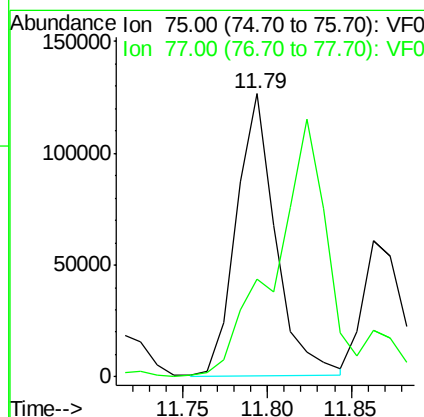
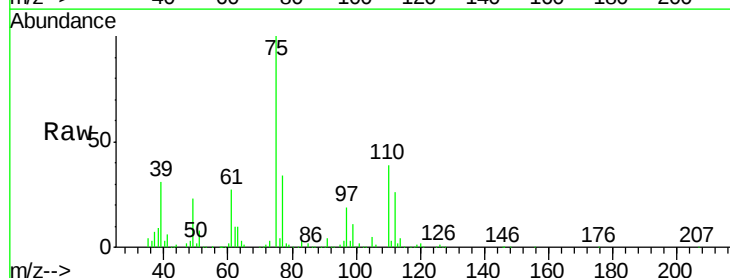
RT: 11.79 min Scan# 1132

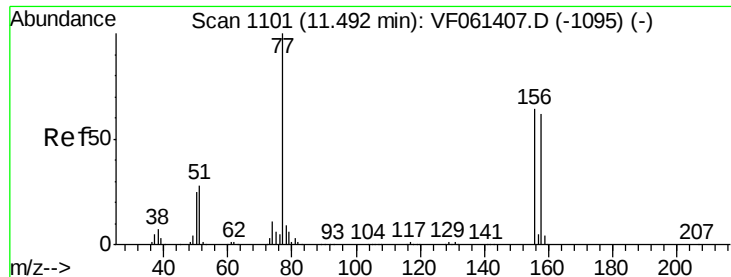
Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Tgt Ion:	75	Resp:	204273
Ion Ratio	Lower	Upper	
75	100		
77	34.5	16.1	48.3





#77

Bromobenzene

Concen: 123.260 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 338268

Ion Ratio Lower Upper

156 100

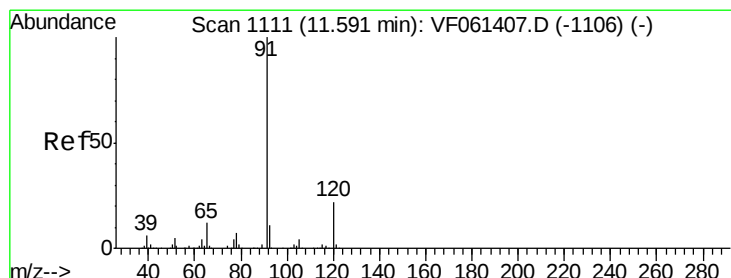
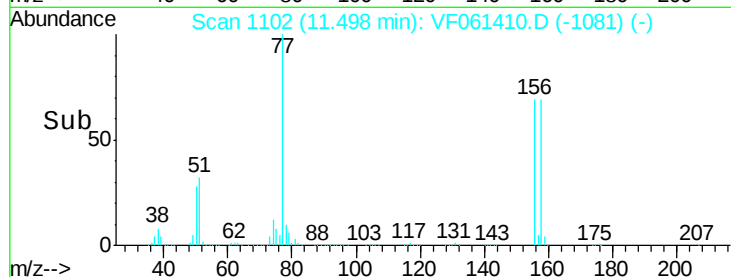
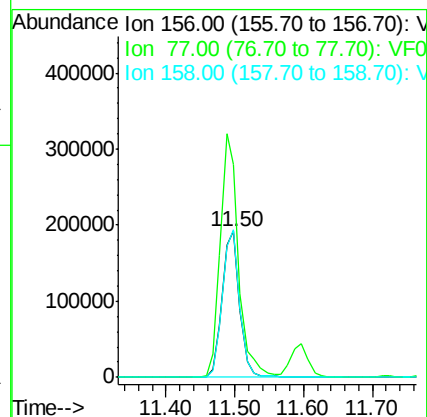
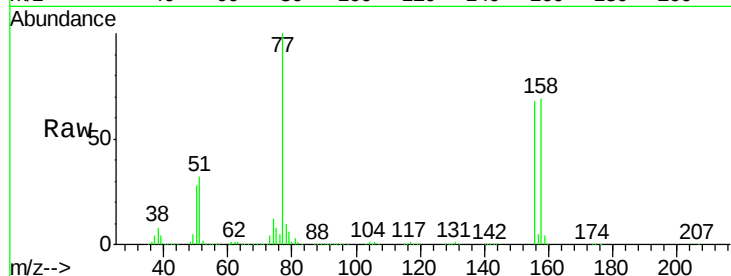
77 146.1 78.3 234.9

158 100.9 48.9 146.7

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#78

n-propylbenzene

Concen: 103.872 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF061410.D

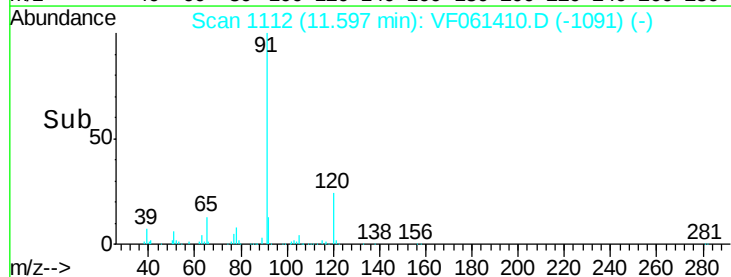
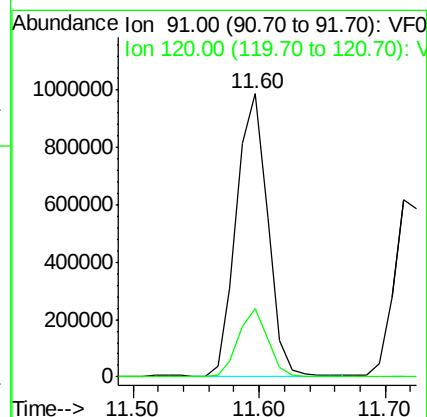
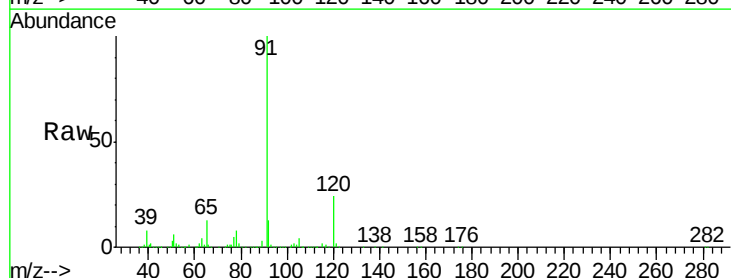
Acq: 15 Jan 2019 16:53

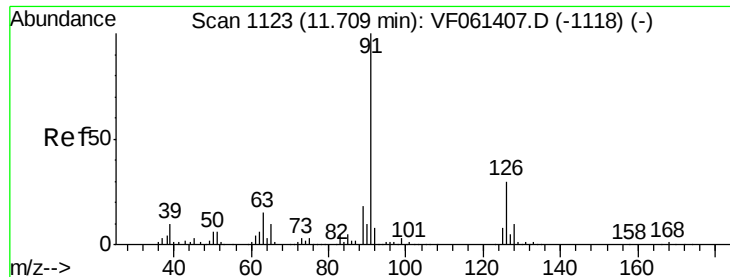
Tgt Ion: 91 Resp: 1701345

Ion Ratio Lower Upper

91 100

120 24.3 10.9 32.6





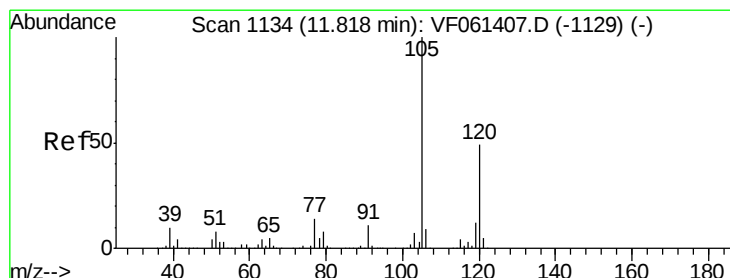
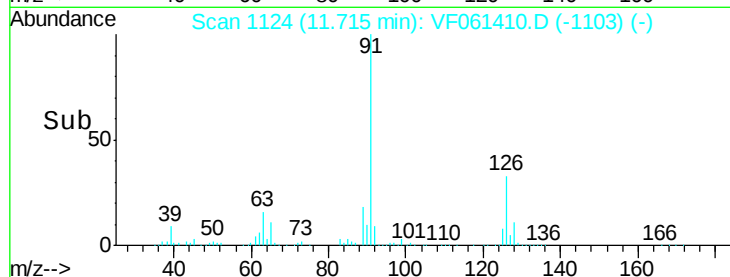
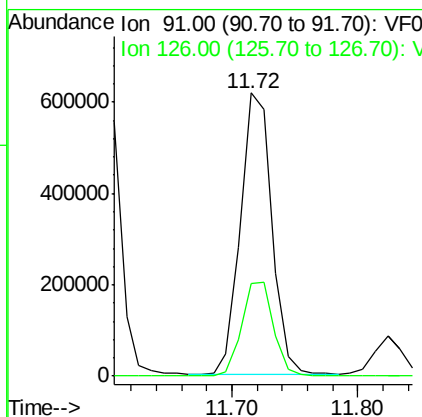
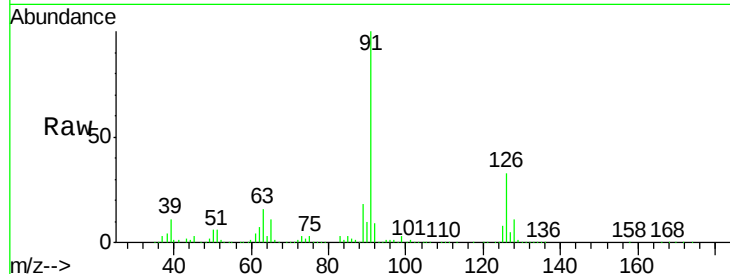
#79
2-Chlorotoluene
Concen: 113.692 ug/l
RT: 11.72 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1058306
Ion Ratio Lower Upper
91 100
126 32.7 15.0 45.1

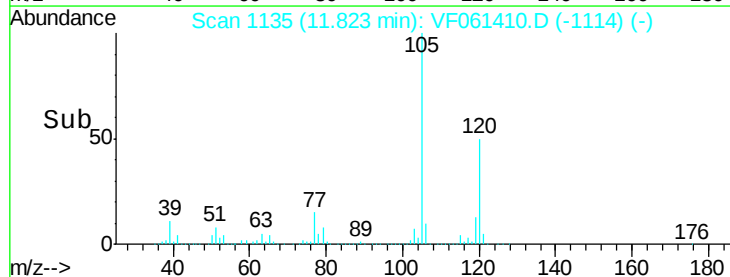
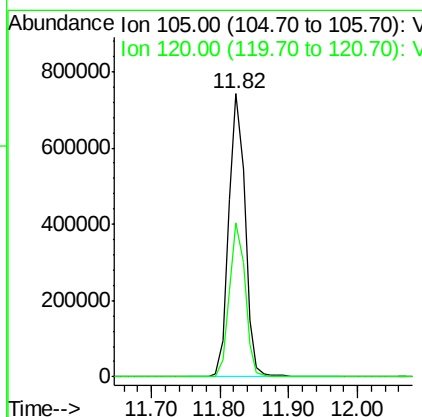
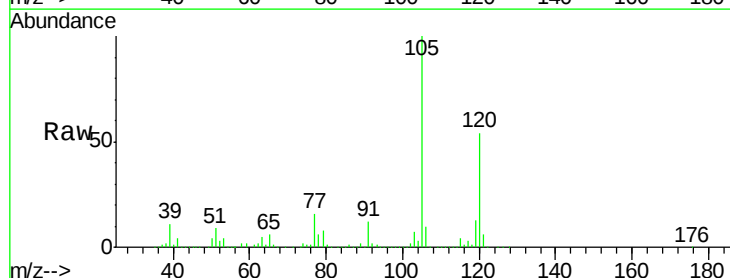
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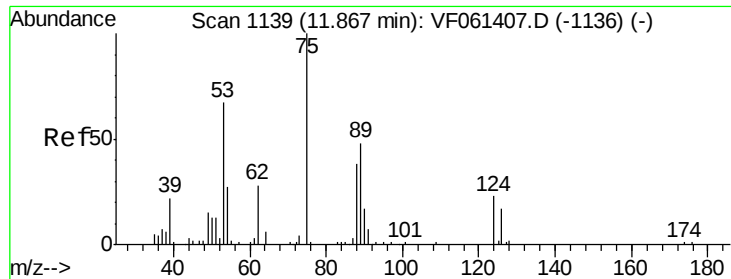
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#80
1,3,5-Trimethylbenzene
Concen: 113.356 ug/l
RT: 11.82 min Scan# 1135
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Tgt Ion: 105 Resp: 1216575
Ion Ratio Lower Upper
105 100
120 54.3 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 104.935 ug/l m

RT: 11.86 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

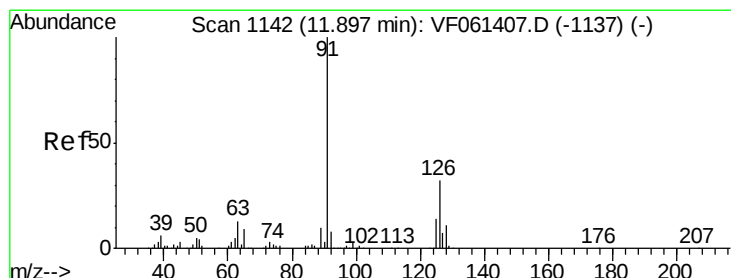
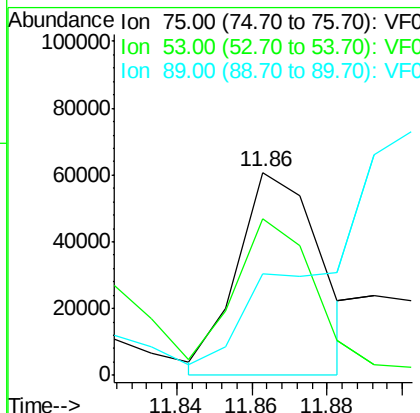
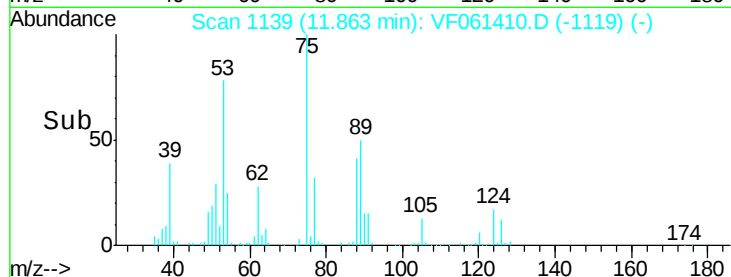
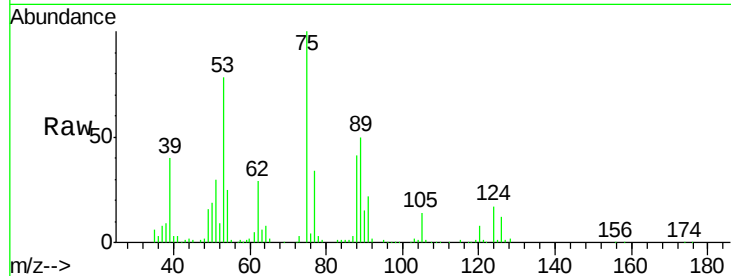
ClientSampled :

VSTDIC150

Tot Ion:	75	Resp:	93061
Ion	Ratio	Lower	Upper
75	100		
53	77.6	57.8	86.6
89	50.1	40.7	61.1

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#82

4-Chlorotoluene

Concen: 117.050 ug/l

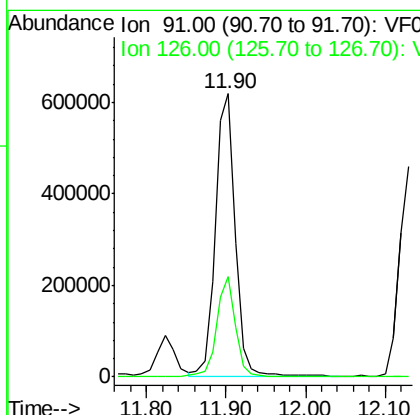
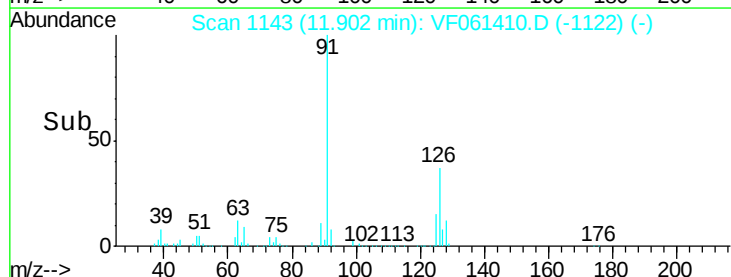
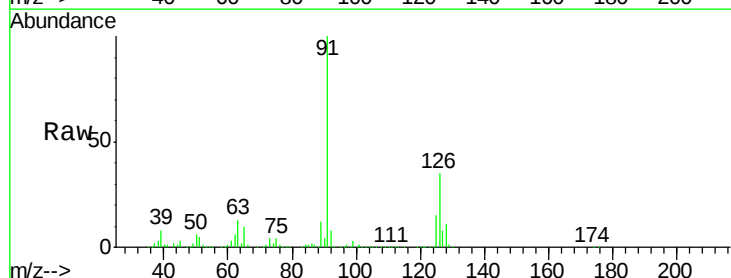
RT: 11.90 min Scan# 1143

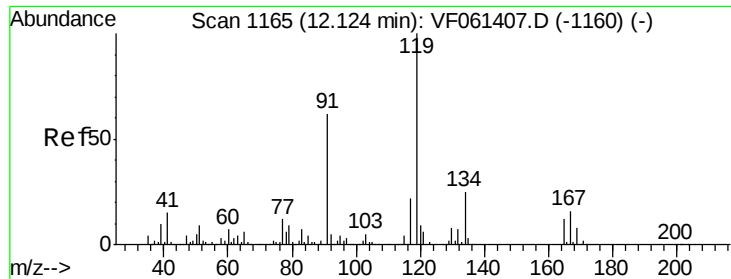
Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Tgt Ion:	91	Resp:	1079168
Ion	Ratio	Lower	Upper
91	100		
126	35.4	16.0	47.9





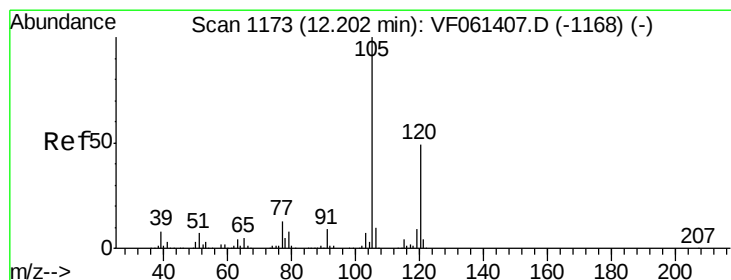
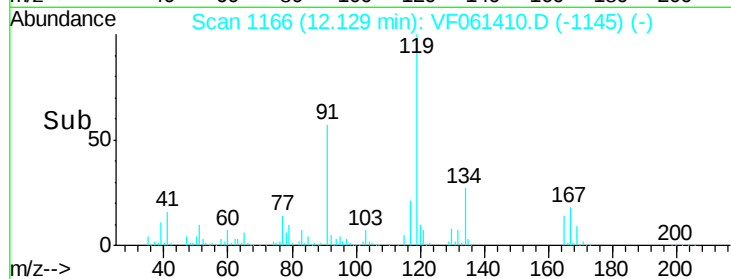
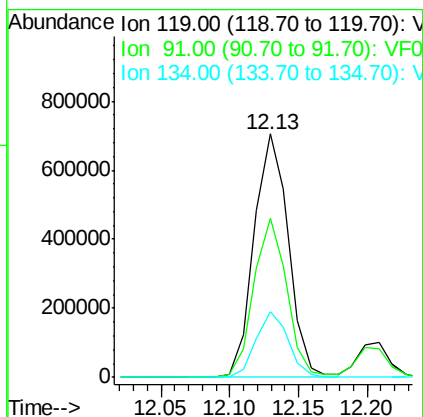
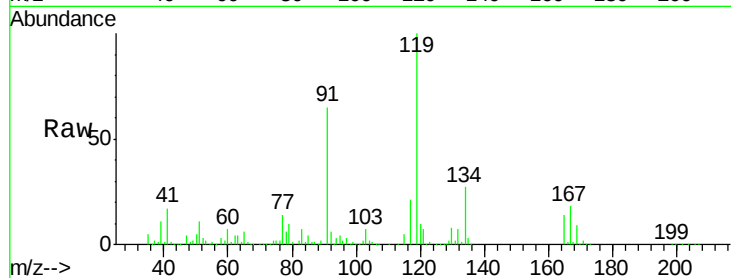
#83
tert-Butylbenzene
Concen: 110.176 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.2	31.3	93.8
134	26.8	12.4	37.0

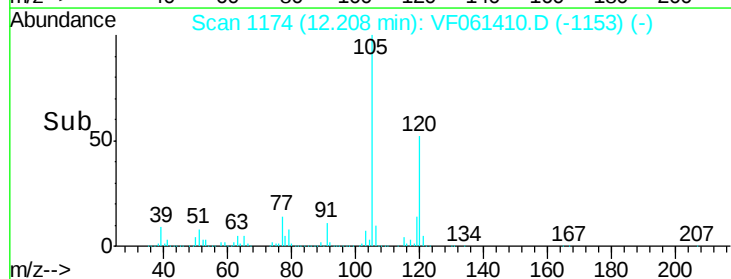
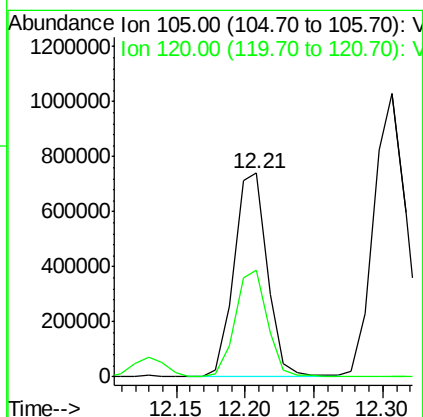
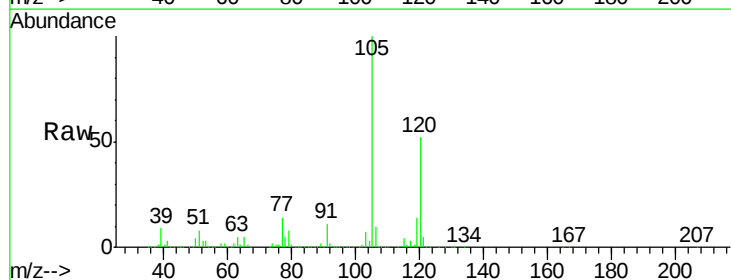
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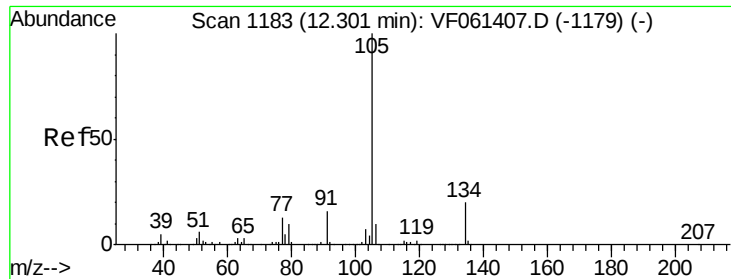
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#84
1,2,4-Trimethylbenzene
Concen: 112.774 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.3	24.9	74.6





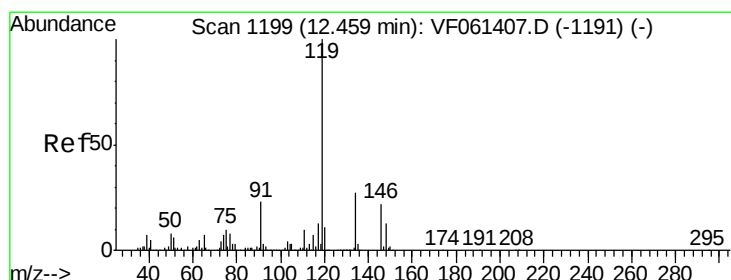
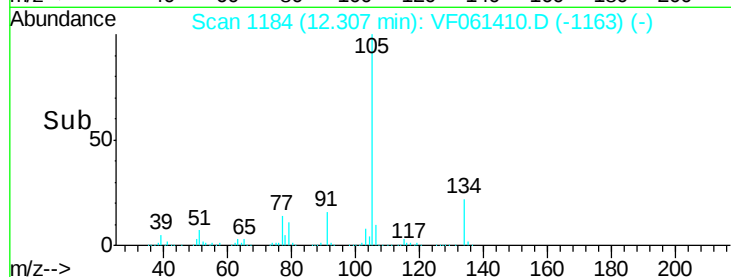
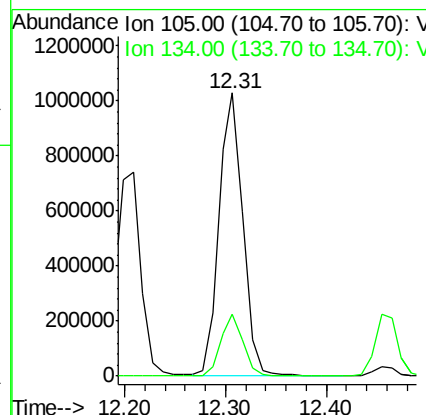
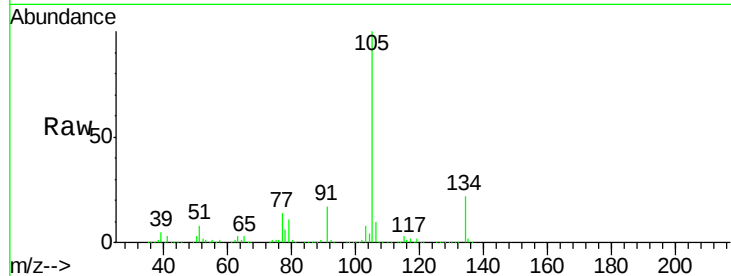
#85
 sec-Butylbenzene
 Concen: 111.343 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC150

Tot Ion:105 Resp: 1689927
 Ion Ratio Lower Upper
 105 100
 134 21.8 10.0 30.0

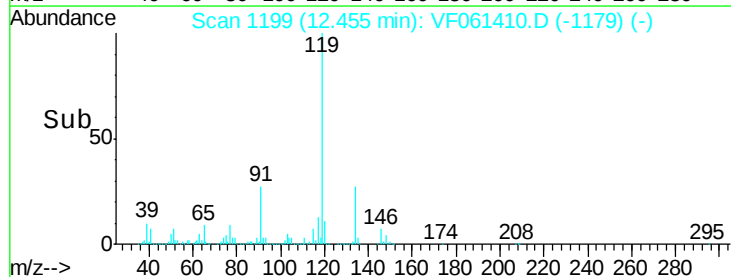
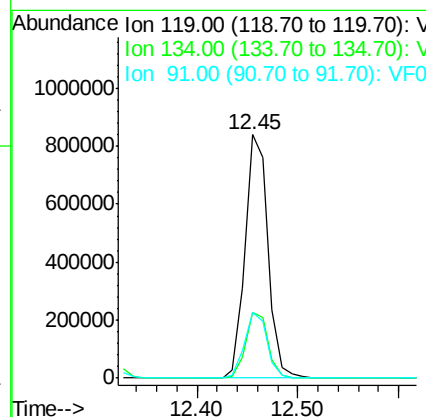
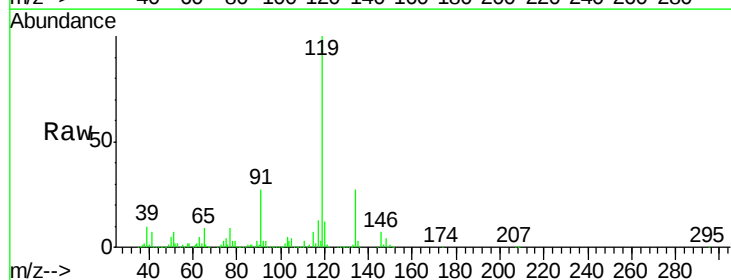
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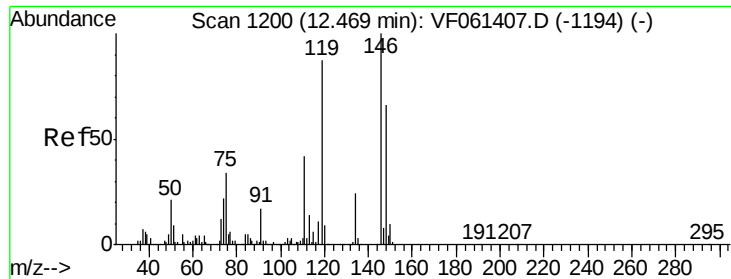
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#86
 p-Isopropyltoluene
 Concen: 105.093 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.00 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Tgt Ion:119 Resp: 1327914
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.4 40.2
 91 27.0 11.4 34.2





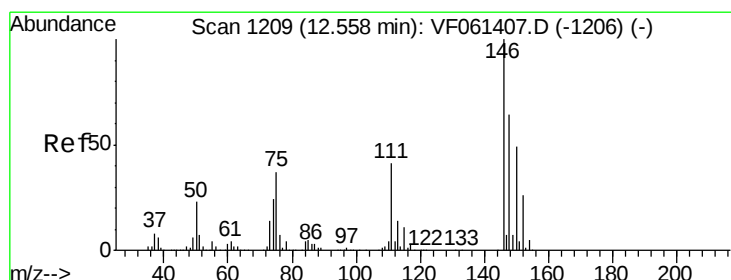
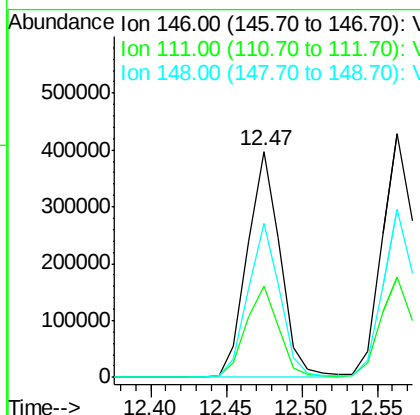
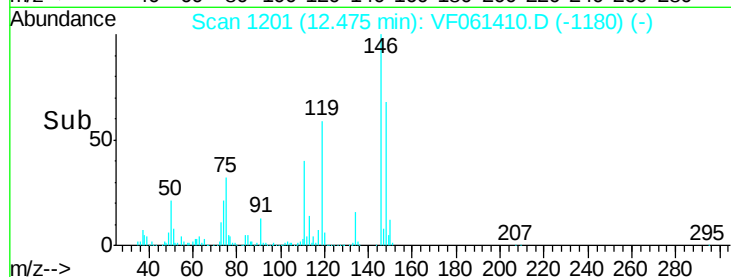
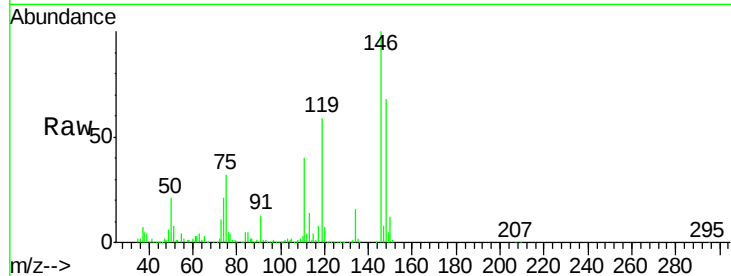
#87
 1,3-Dichlorobenzene
 Concen: 107.157 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	21.1	63.4
148	67.9	32.9	98.6

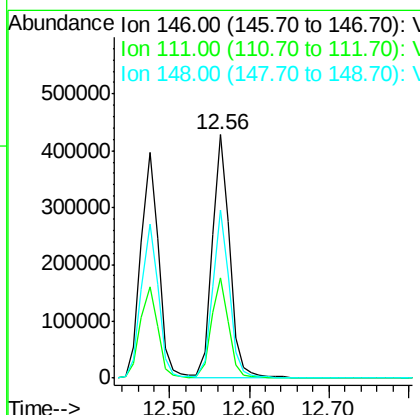
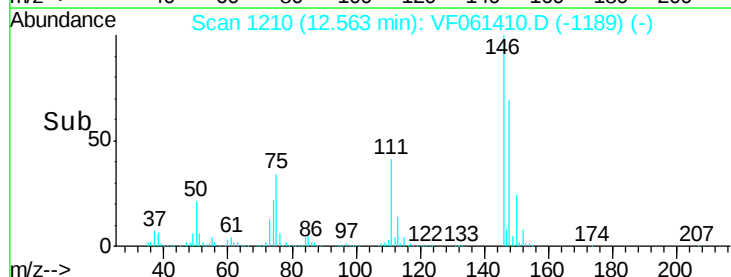
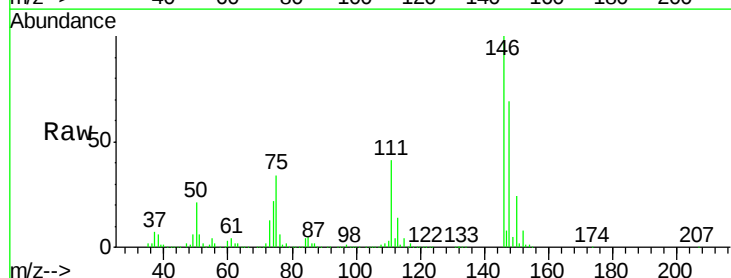
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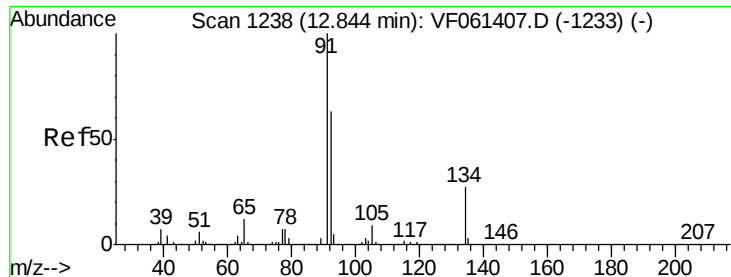
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#88
 1,4-Dichlorobenzene
 Concen: 128.056 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.01 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.8	62.2
148	69.0	32.1	96.5





#89

n-Butylbenzene

Concen: 102.465 ug/l

RT: 12.84 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1338119

Ion Ratio Lower Upper

91 100

92 67.7 31.6 94.7

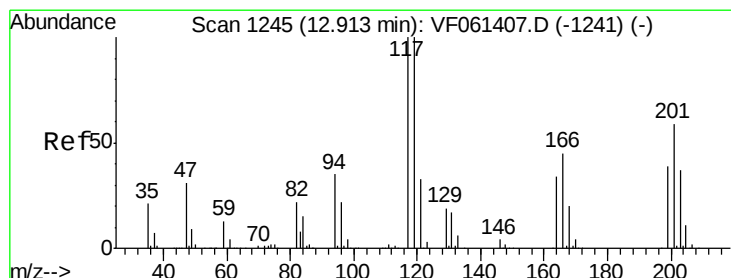
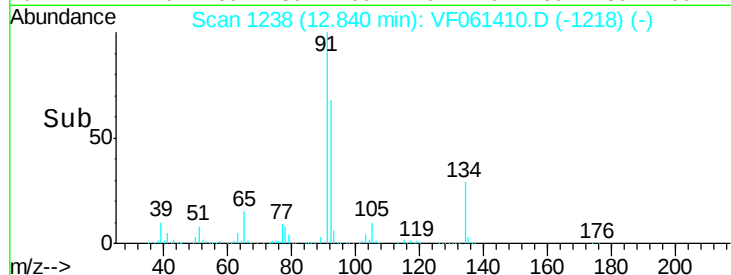
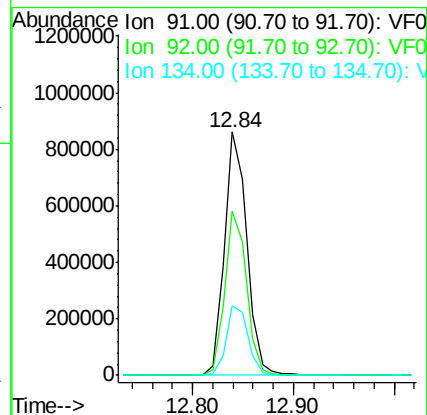
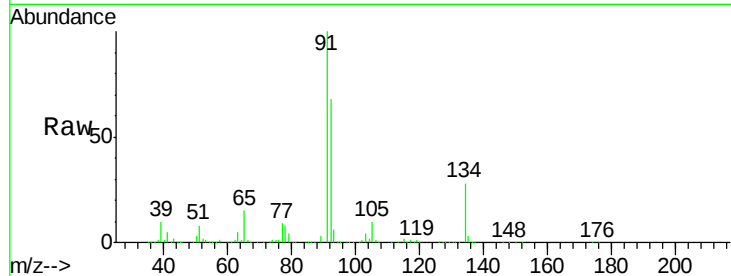
134 28.5 13.6 40.8

Manual Integrations

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#90

Hexachloroethane

Concen: 131.600 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VF061410.D

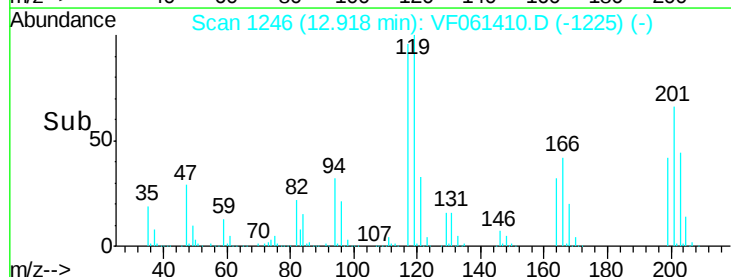
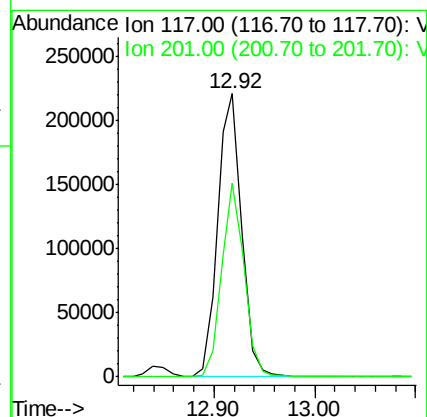
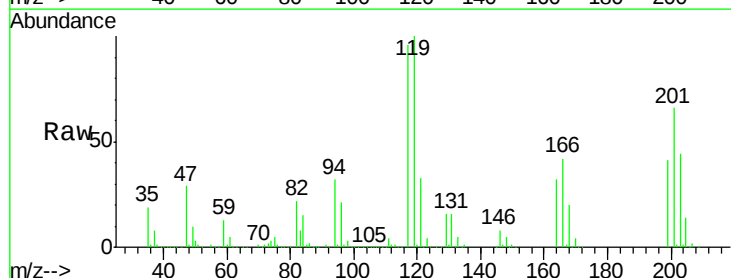
Acq: 15 Jan 2019 16:53

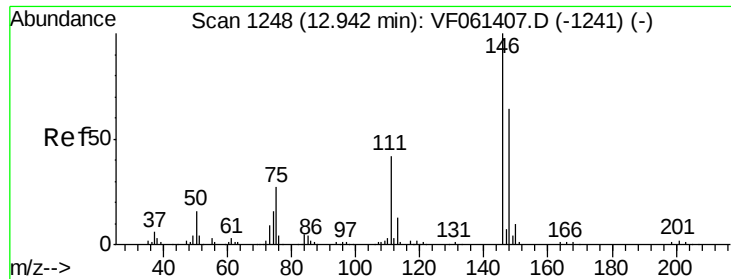
Tgt Ion: 117 Resp: 367057

Ion Ratio Lower Upper

117 100

201 68.5 29.3 87.8





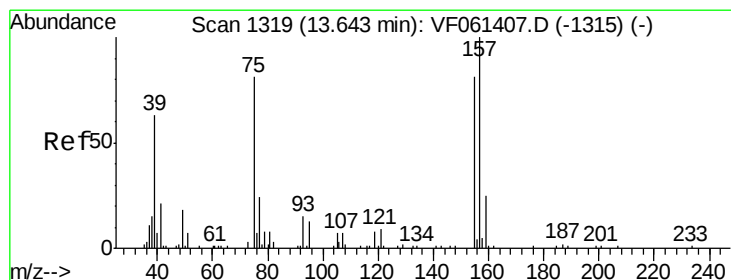
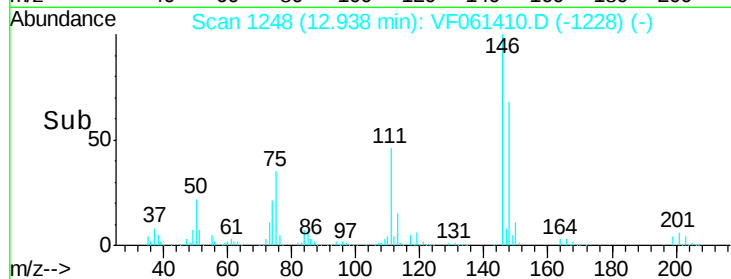
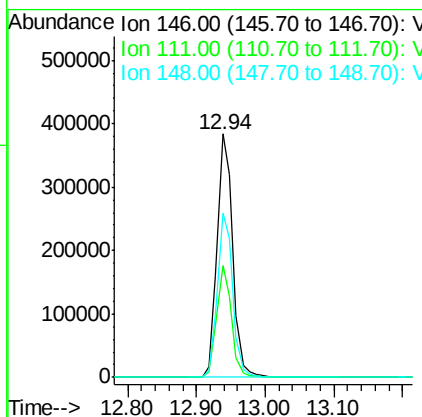
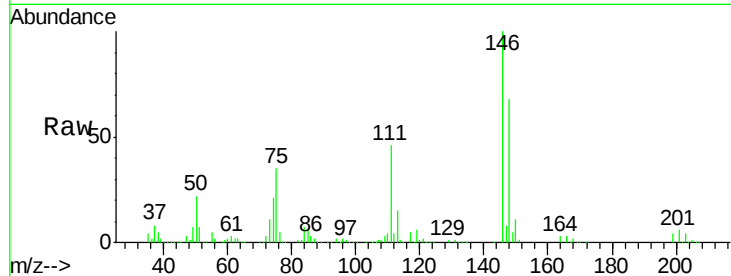
#91
 1,2-Dichlorobenzene
 Concen: 114.473 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	21.1	63.3
148	67.6	31.9	95.7

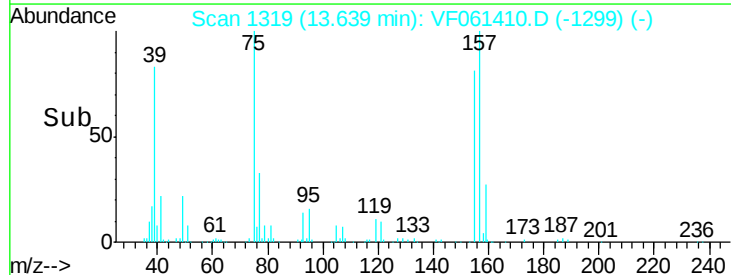
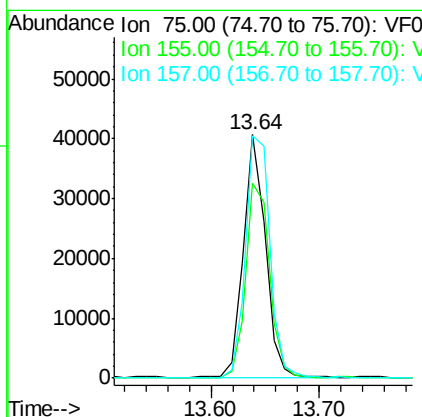
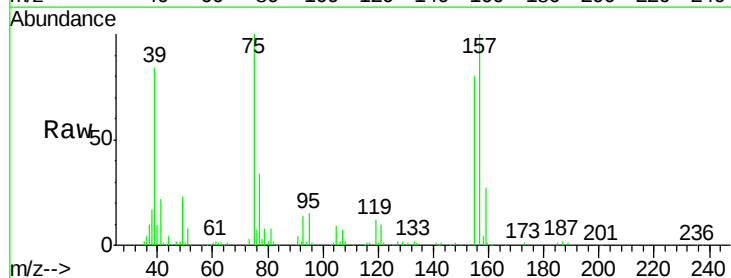
Manual Integrations
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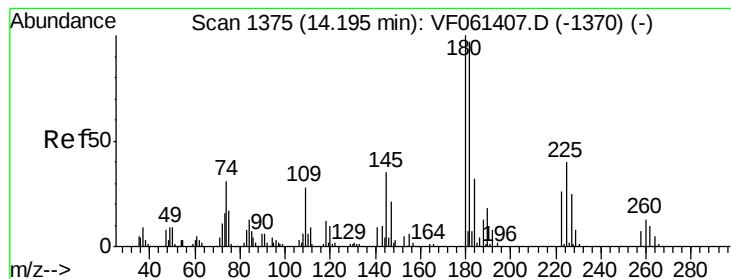
apatel
 1/16/2019 4:06:09 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 147.456 ug/l
 RT: 13.64 min Scan# 1319
 Delta R.T. -0.00 min
 Lab File: VF061410.D
 Acq: 15 Jan 2019 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.2	49.7	149.1
157	99.5	61.4	184.1





#93

1,2,4-Trichlorobenzene

Concen: 114.247 ug/l

RT: 14.20 min Scan# 1376

Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Instrument :

MSVOA_F

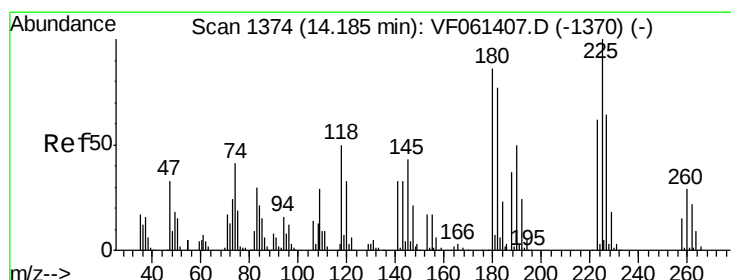
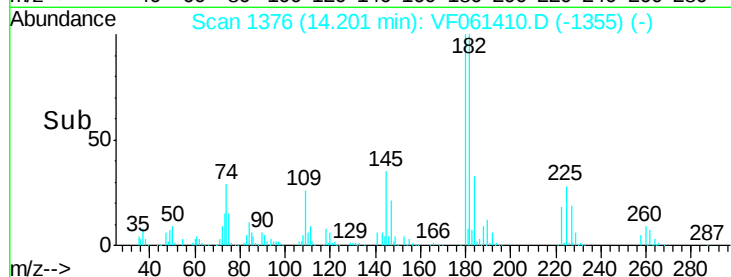
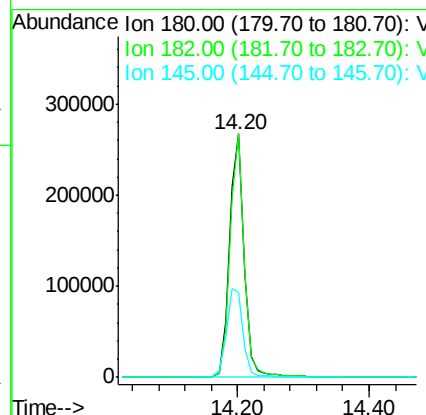
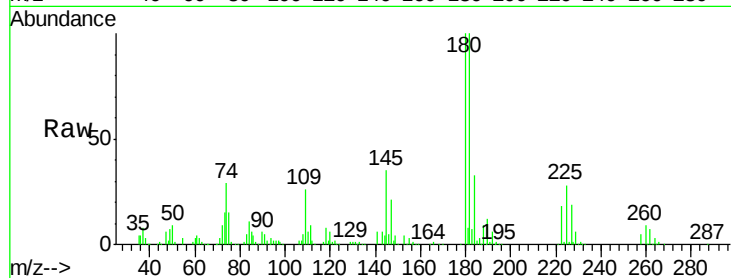
ClientSampleId :

VSTDIC150

Tot Ion:	180	Resp:	419181
Ion Ratio	Lower	Upper	
180	100		
182	100.2	48.5	145.6
145	35.0	17.5	52.6

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#94

Hexachlorobutadiene

Concen: 122.173 ug/l

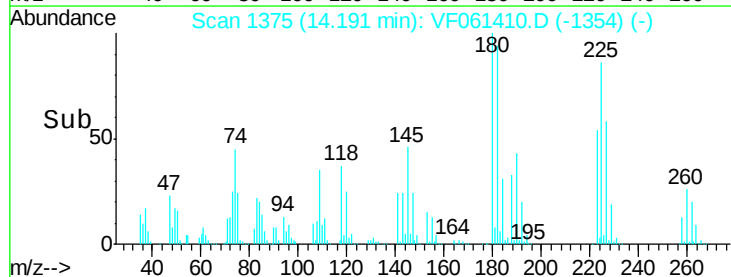
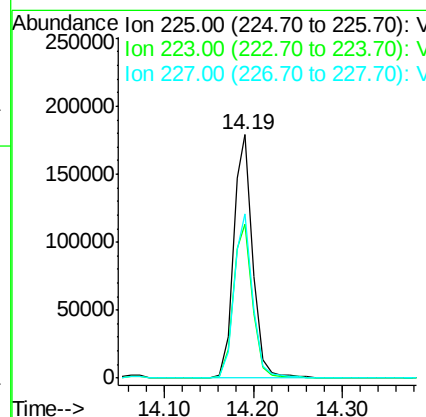
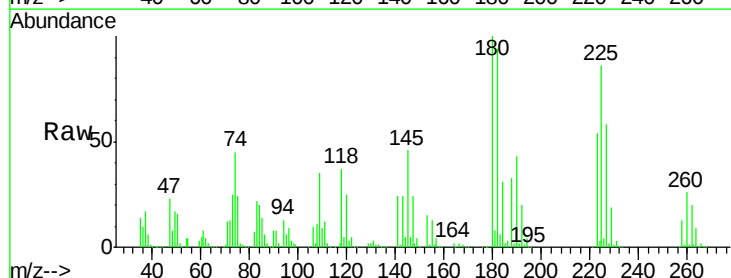
RT: 14.19 min Scan# 1375

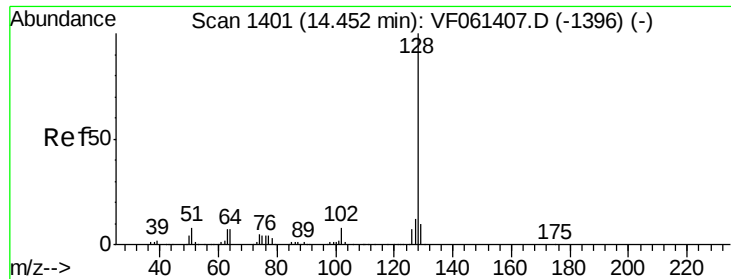
Delta R.T. 0.01 min

Lab File: VF061410.D

Acq: 15 Jan 2019 16:53

Tgt Ion:	225	Resp:	271435
Ion Ratio	Lower	Upper	
225	100		
223	63.4	31.1	93.2
227	67.7	32.2	96.6





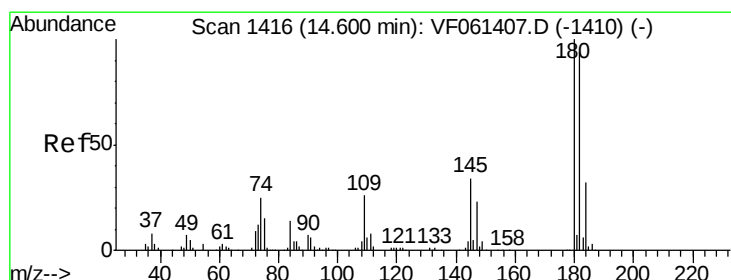
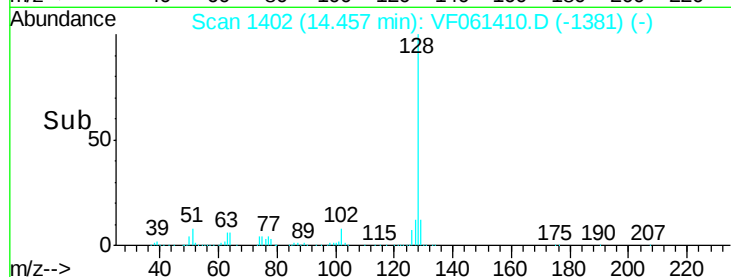
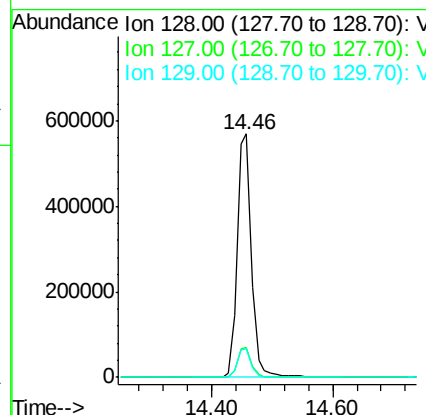
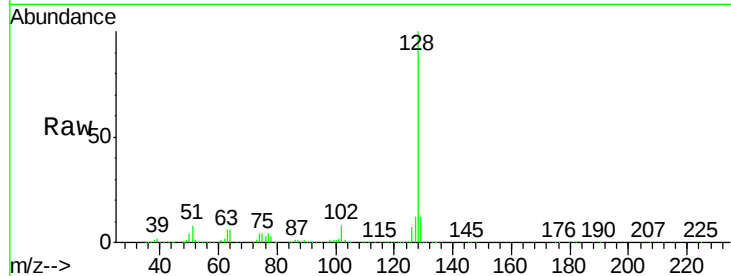
#95
Naphthalene
Concen: 142.839 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
128	100	932858		
127	12.3		9.5	14.3
129	11.5		8.4	12.6

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#96
1,2,3-Trichlorobenzene
Concen: 129.591 ug/l
RT: 14.60 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF061410.D
Acq: 15 Jan 2019 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	427088		
182	96.8		47.0	141.2
145	36.6		17.1	51.2

