

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF120718\
 Data File : VF060935.D
 Acq On : 7 Dec 2018 17:38
 Operator : VA/AP
 Sample : VF1207SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

Manual Integrations
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 12/10/2018 4:38:01 PM

Quant Time: Dec 08 03:39:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F112618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 27 01:36:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.86	168	187196	50.00	ug/l	-0.05
34) 1,4-Difluorobenzene	5.59	114	315584	50.00	ug/l	-0.05
63) Chlorobenzene-d5	9.76	117	308698	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.54	152	154247	50.00	ug/l	-0.03

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.83	65	123529	56.02	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	112.04%	
35) Dibromofluoromethane	4.10	113	128722	51.41	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	102.82%	
50) Toluene-d8	7.54	98	358272	48.58	ug/l	-0.05
Spiked Amount	50.000		Recovery	=	97.16%	
62) 4-Bromofluorobenzene	11.40	95	169234	50.49	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	100.98%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	62997	22.507	ug/l	97
3) Chloromethane	1.11	50	41553	22.815	ug/l	91
4) Vinyl Chloride	1.14	62	41529	24.445	ug/l	99
5) Bromomethane	1.32	94	26444	22.074	ug/l	99
6) Chloroethane	1.38	64	17756	24.178	ug/l	90
7) Trichlorofluoromethane	1.47	101	89928m	24.671	ug/l	
8) Diethyl Ether	1.62	74	11958	22.813	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	1.83	101	42338	22.975	ug/l	99
10) Methyl Iodide	1.91	142	64977m	23.197	ug/l	
11) Tert butyl alcohol	2.57	59	11748	129.959	ug/l #	85
12) 1,1-Dichloroethene	1.79	96	33311	22.474	ug/l	93
13) Acrolein	1.99	56	7695	89.844	ug/l	99
14) Allyl chloride	2.08	41	37791	20.456	ug/l	90
15) Acrylonitrile	2.92	53	23173	114.342	ug/l	92
16) Acetone	2.23	43	53900	132.544	ug/l	99
17) Carbon Disulfide	1.83	76	91137	22.932	ug/l	99
18) Methyl Acetate	2.33	43	19090	27.229	ug/l	99
19) Methyl tert-butyl Ether	2.42	73	74435	22.297	ug/l	98
20) Methylene Chloride	2.25	84	35948m	24.096	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	33826m	23.671	ug/l	
22) Diisopropyl ether	2.79	45	120580	23.978	ug/l	96
23) Vinyl Acetate	3.17	43	284330	123.691	ug/l	97
24) 1,1-Dichloroethane	2.85	63	68808	22.998	ug/l	99
25) 2-Butanone	4.32	43	87145	123.896	ug/l	95
26) 2,2-Dichloropropane	3.58	77	43844	22.603	ug/l	100
27) cis-1,2-Dichloroethene	3.45	96	54128	23.267	ug/l	86
28) Bromochloromethane	3.70	49	32188	22.417	ug/l	88
29) Tetrahydrofuran	4.06	42	36225	121.499	ug/l	98
30) Chloroform	3.84	83	111209	24.151	ug/l	96
31) Cyclohexane	3.67	56	71139m	22.911	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	65279	20.441	ug/l	93
36) 1,1-Dichloropropene	4.26	75	84919	24.260	ug/l	98
37) Ethyl Acetate	4.10	43	33206	23.344	ug/l #	87
38) Carbon Tetrachloride	3.97	117	65883	21.310	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.43	83	83730m	22.825	ug/l	
40) Benzene	4.61	78	183128	23.681	ug/l	96
41) Methacrylonitrile	4.73	41	18010	22.306	ug/l #	90
42) 1,2-Dichloroethane	4.92	62	65367	23.154	ug/l	96
43) Isopropyl Acetate	6.95	43	40112	21.294	ug/l #	95
44) Trichloroethene	5.49	130	56902	22.505	ug/l	98
45) 1,2-Dichloropropane	6.22	63	46853	23.329	ug/l	95
46) Dibromomethane	6.07	93	30961	22.725	ug/l	93
47) Bromodichloromethane	6.36	83	80063	22.126	ug/l	98
48) Methyl methacrylate	6.70	41	26740	20.768	ug/l	93
49) 1,4-Dioxane	6.70	88	3868	410.472	ug/l #	79
51) 4-Methyl-2-Pentanone	8.24	43	146710	111.845	ug/l	97
52) Toluene	7.61	92	119202	21.945	ug/l	96
53) t-1,3-Dichloropropene	8.26	75	67233	22.842	ug/l	99
54) cis-1,3-Dichloropropene	7.28	75	84925	23.307	ug/l	96
55) 1,1,2-Trichloroethane	8.48	97	36413	23.006	ug/l	95
56) Ethyl methacrylate	8.60	69	39249	22.323	ug/l	99
57) 1,3-Dichloropropane	8.84	76	63971	23.102	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.28	63	27141	150.916	ug/l	97
59) 2-Hexanone	9.47	43	103453	112.418	ug/l	93
60) Dibromochloromethane	8.70	129	50641	21.474	ug/l	100
61) 1,2-Dibromoethane	8.97	107	38175	22.327	ug/l	94
64) Tetrachloroethene	8.14	164	46545	19.741	ug/l	88
65) Chlorobenzene	9.78	112	134354	22.372	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.92	131	56511	21.889	ug/l	98
67) Ethyl Benzene	9.89	91	251492	22.494	ug/l	100
68) m/p-Xylenes	10.11	106	176697	43.943	ug/l	100
69) o-Xylene	10.69	106	96433	21.748	ug/l	94
70) Styrene	10.77	104	137684	22.400	ug/l	98
71) Bromoform	10.75	173	25625	20.549	ug/l #	93
73) Isopropylbenzene	11.11	105	290581	23.839	ug/l	99
74) N-amyl acetate	11.36	43	64896	23.056	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.68	83	48934	24.392	ug/l	98
76) 1,2,3-Trichloropropane	11.78	75	37684m	25.843	ug/l	
77) Bromobenzene	11.48	156	60609	22.680	ug/l	87
78) n-propylbenzene	11.58	91	344543	24.137	ug/l	99
79) 2-Chlorotoluene	11.71	91	189564	23.160	ug/l	97
80) 1,3,5-Trimethylbenzene	11.81	105	232455	23.491	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.86	75	16414m	22.974	ug/l	
82) 4-Chlorotoluene	11.89	91	198249	23.016	ug/l	95
83) tert-Butylbenzene	12.12	119	247713	24.575	ug/l	97
84) 1,2,4-Trimethylbenzene	12.19	105	229832	23.272	ug/l	95
85) sec-Butylbenzene	12.29	105	338115	24.503	ug/l	98
86) p-Isopropyltoluene	12.45	119	275068	23.777	ug/l	100
87) 1,3-Dichlorobenzene	12.46	146	113889	22.405	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	109019	22.007	ug/l	95
89) n-Butylbenzene	12.84	91	276372	23.626	ug/l	97
90) Hexachloroethane	12.90	117	65386	23.471	ug/l	98
91) 1,2-Dichlorobenzene	12.93	146	113083	23.491	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.63	75	8982	23.158	ug/l	89

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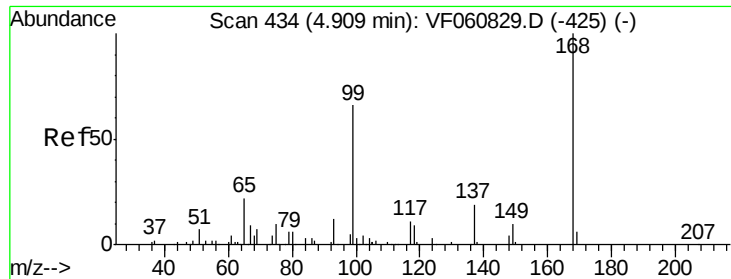
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	82411	24.501	ug/l	97
94) Hexachlorobutadiene	14.18	225	50869	22.687	ug/l	99
95) Naphthalene	14.44	128	133212	18.178	ug/l	98
96) 1,2,3-Trichlorobenzene	14.59	180	71058	22.752	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.86 min Scan# 428

Delta R.T. -0.05 min

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Instrument :

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ClientSampleId :

VF1207SBS01

Tgt Ion:168 Resp: 187196

Ion Ratio Lower Upper

168 100

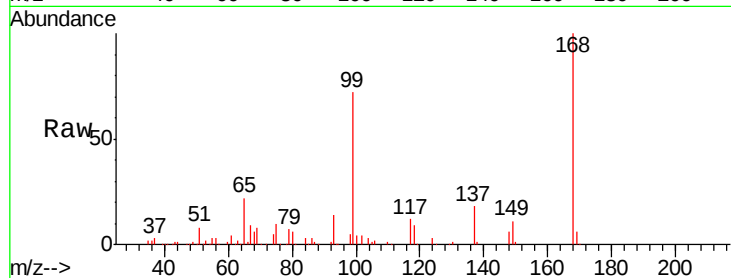
99 71.6 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.86

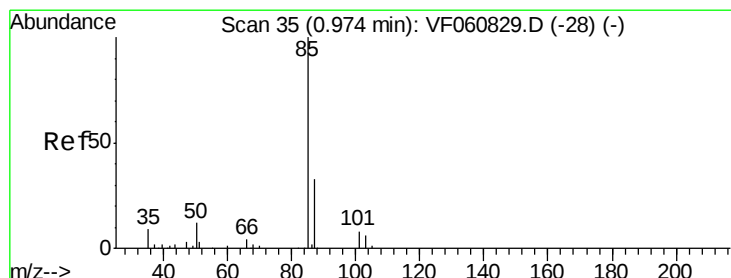
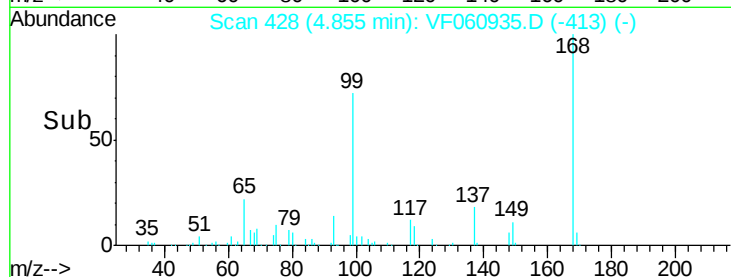
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 22.507 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF060935.D

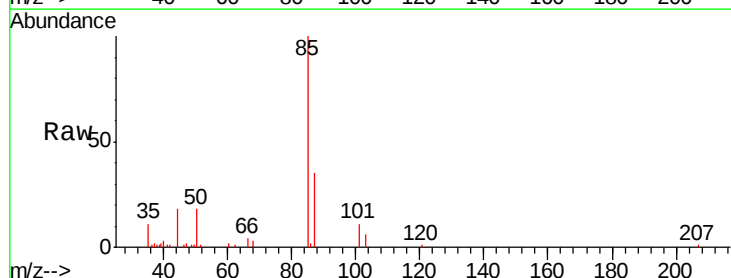
Acq: 7 Dec 2018 17:38

Tgt Ion: 85 Resp: 62997

Ion Ratio Lower Upper

85 100

87 35.3 16.7 50.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

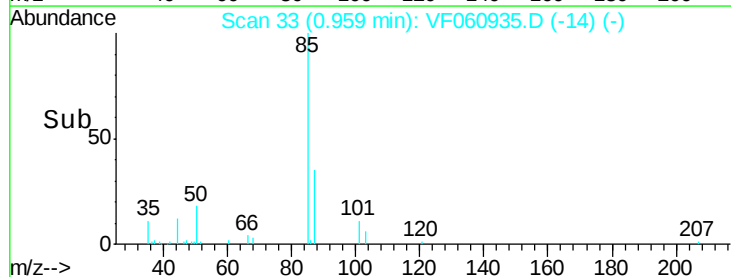
15000

10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.815 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 50 Resp: 41553

Ion Ratio Lower Upper

50 100

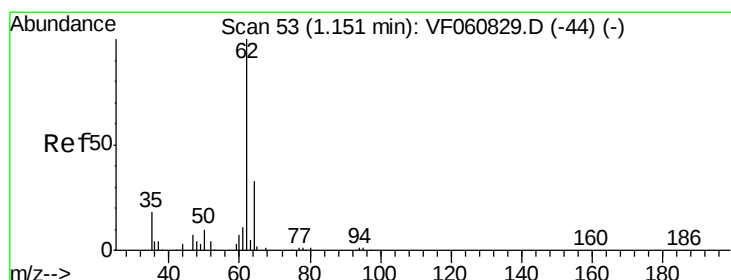
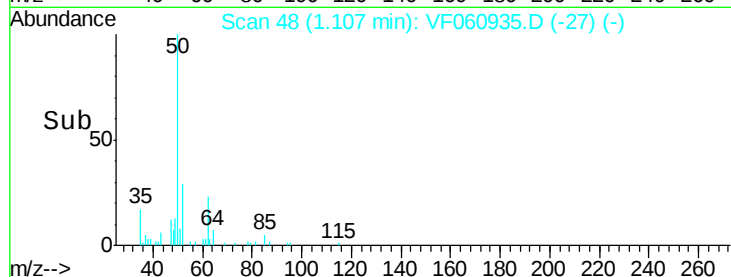
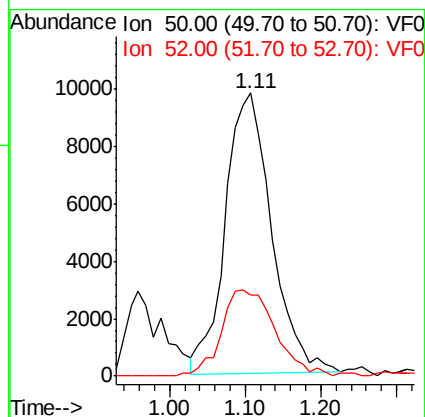
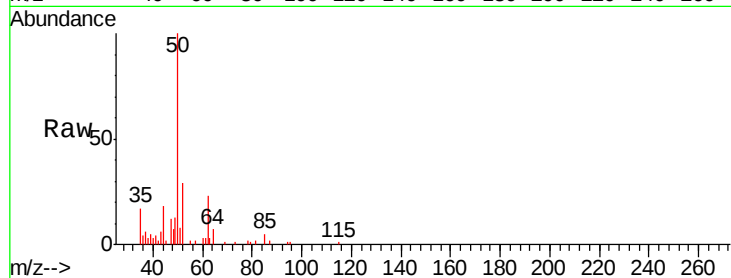
52 28.6 27.0 40.4

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#4

Vinyl Chloride

Concen: 24.445 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF060935.D

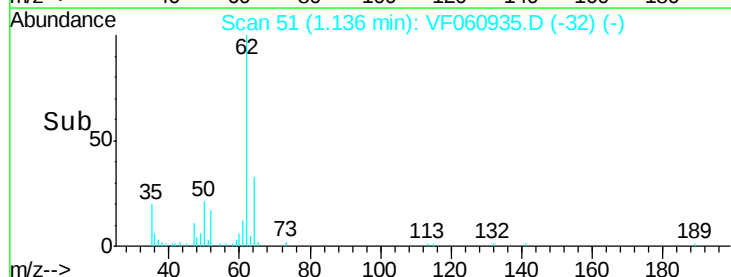
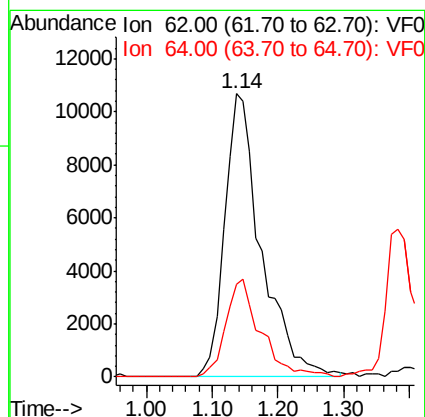
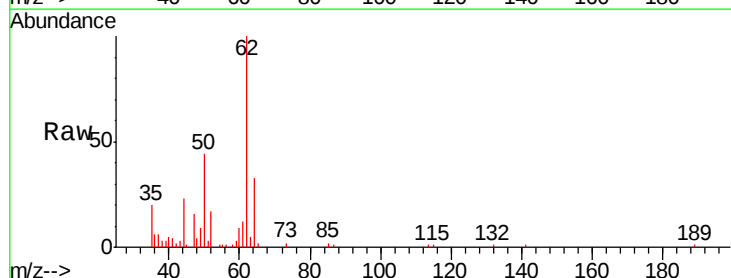
Acq: 7 Dec 2018 17:38

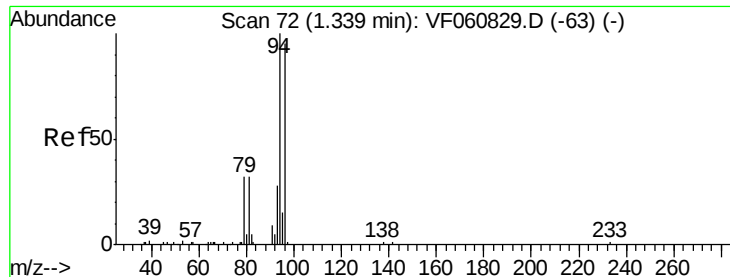
Tgt Ion: 62 Resp: 41529

Ion Ratio Lower Upper

62 100

64 32.6 26.4 39.6





#5

Bromomethane

Concen: 22.074 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

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VF1207SBS01

Tgt Ion: 94 Resp: 26444

Ion Ratio Lower Upper

94 100

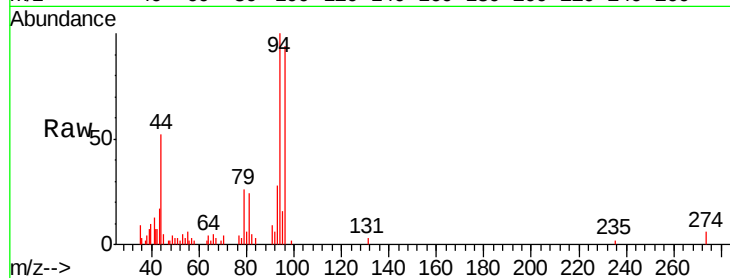
96 94.2 75.9 113.9

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

6000

5000

4000

3000

2000

1000

0

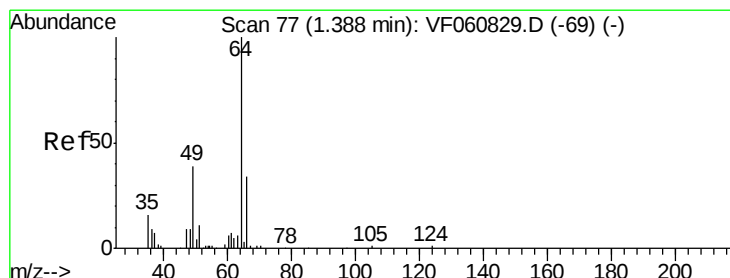
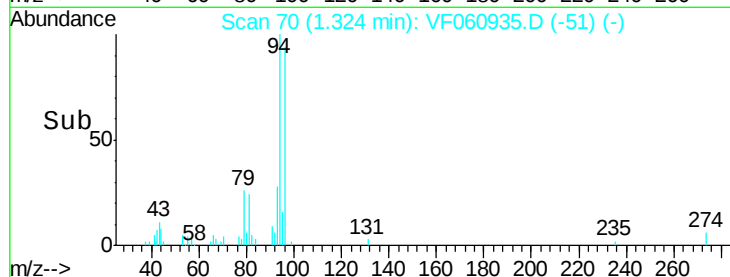
1.20

1.30

1.40

1.50

Time-->



#6

Chloroethane

Concen: 24.178 ug/l

RT: 1.38 min Scan# 76

Delta R.T. -0.00 min

Lab File: VF060935.D

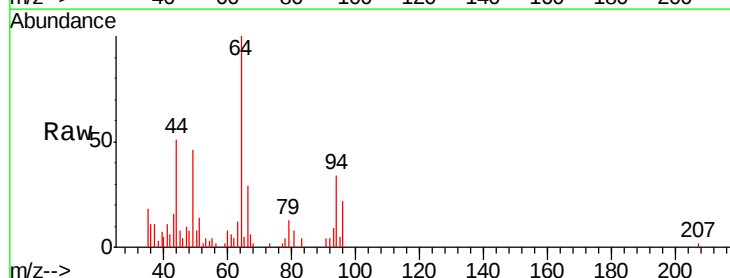
Acq: 7 Dec 2018 17:38

Tgt Ion: 64 Resp: 17756

Ion Ratio Lower Upper

64 100

66 29.2 28.1 42.1



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

6000

5000

4000

3000

2000

1000

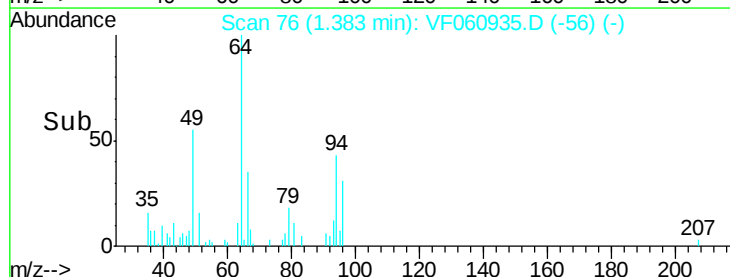
0

1.30

1.40

1.50

Time-->





#7

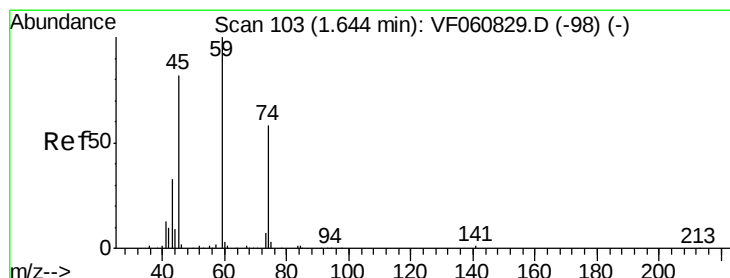
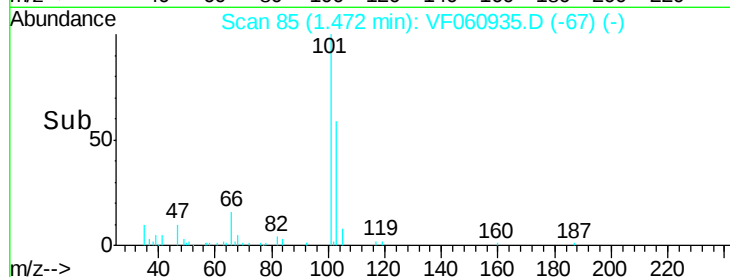
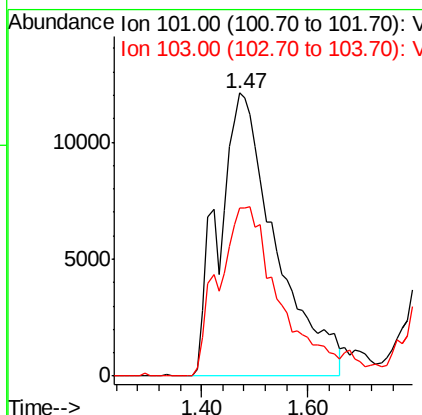
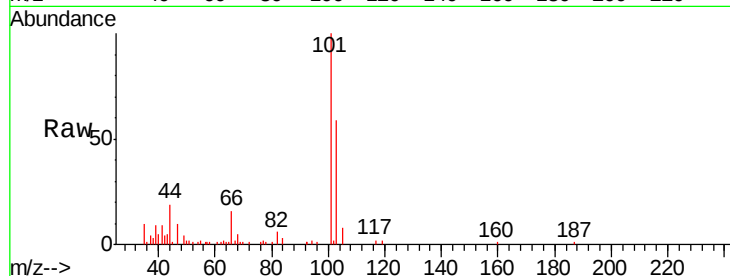
Trichlorofluoromethane
 Concen: 24.671 ug/l m
 RT: 1.47 min Scan# 85
 Delta R.T. -0.02 min
 Lab File: VF060935.D
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	59.5	55.4	83.0

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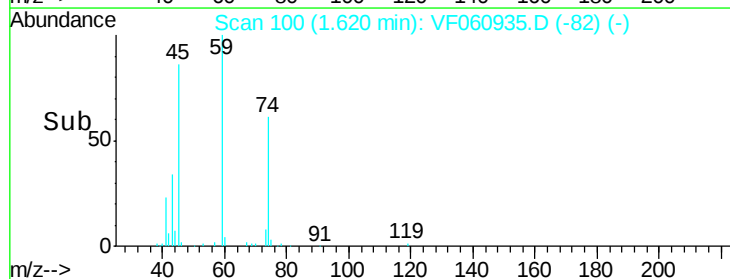
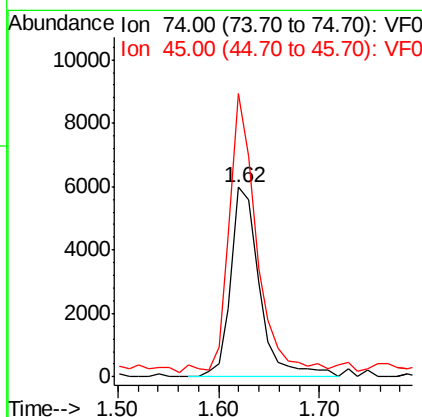
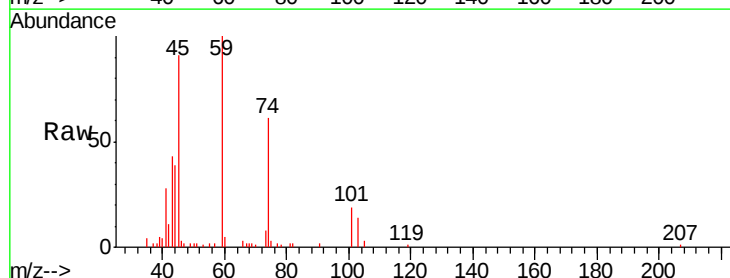
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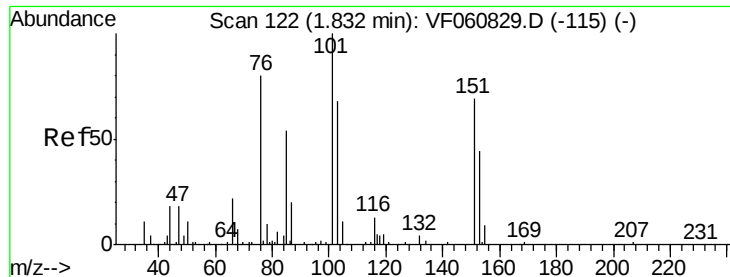


#8

Diethyl Ether
 Concen: 22.813 ug/l
 RT: 1.62 min Scan# 100
 Delta R.T. -0.02 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	149.1	71.0	212.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.975 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.00 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

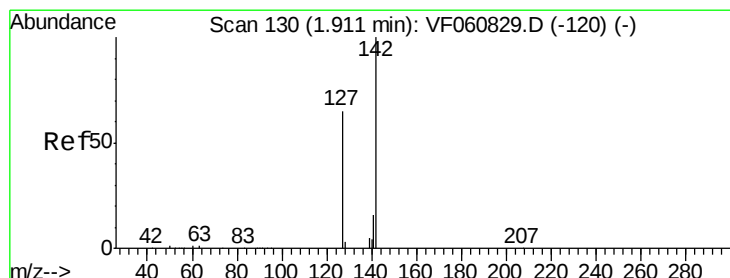
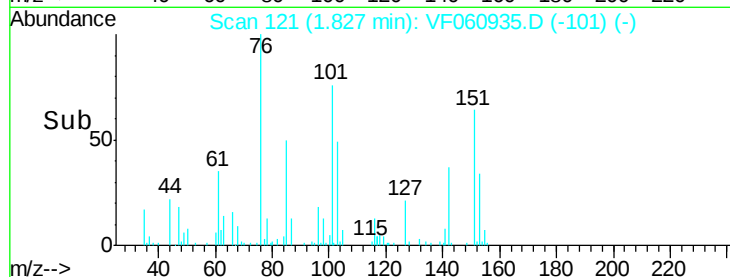
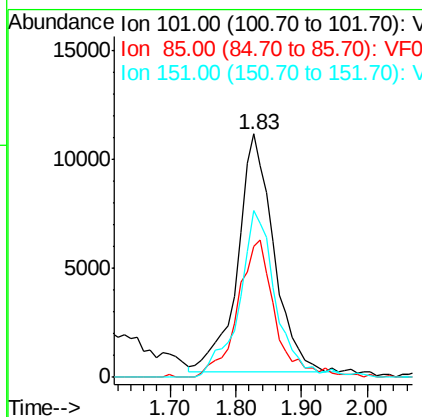
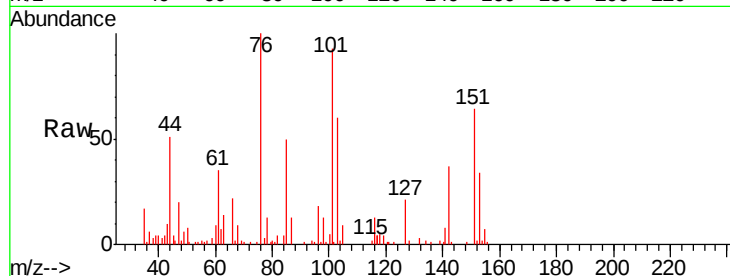
ClientSampleId :

VF1207SBS01

Tgt Ion:	101	Resp:	42338
Ion Ratio	Lower	Upper	
101	100		
85	53.9	42.8	64.2
151	68.6	54.4	81.6

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#10

Methyl Iodide

Concen: 23.197 ug/l m

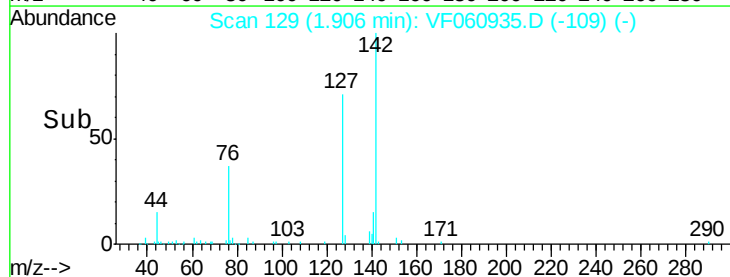
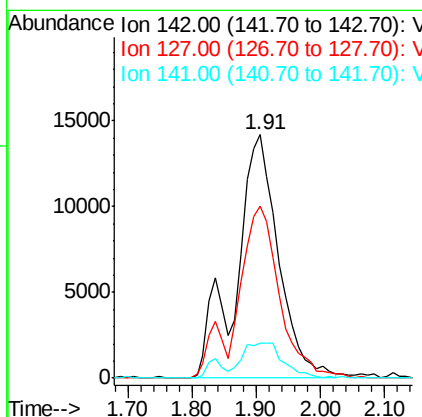
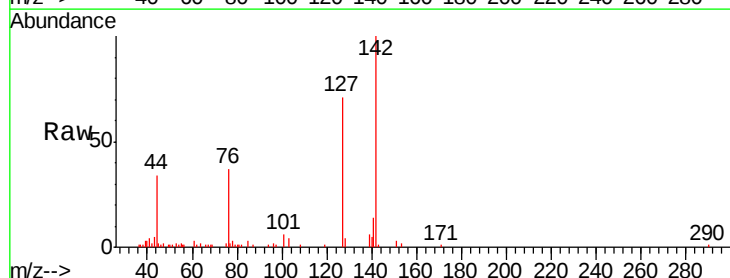
RT: 1.91 min Scan# 129

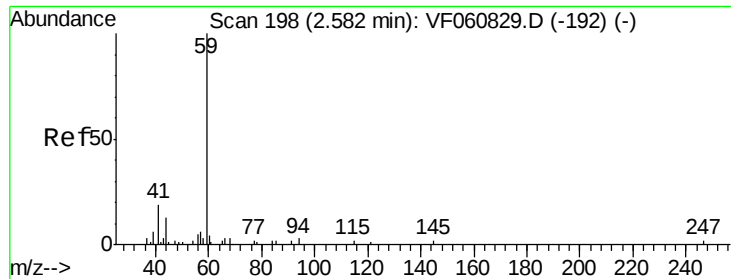
Delta R.T. -0.00 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Tgt Ion:	142	Resp:	64977
Ion Ratio	Lower	Upper	
142	100		
127	70.6	51.9	77.9
141	14.5	12.7	19.1





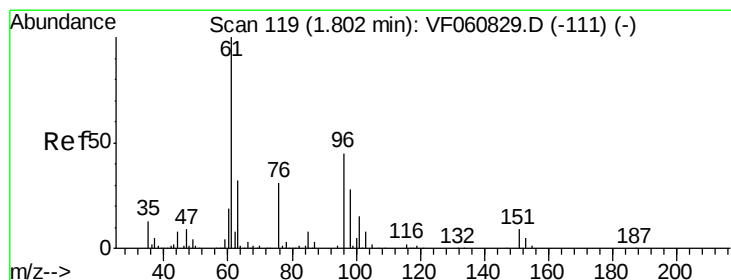
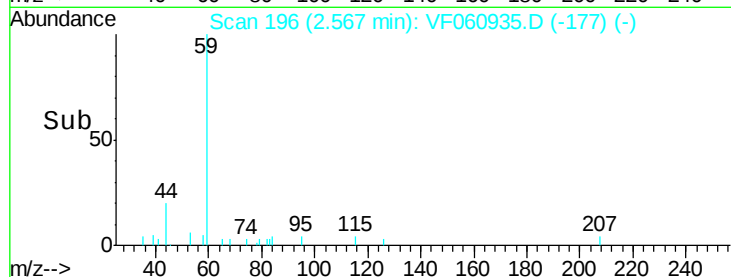
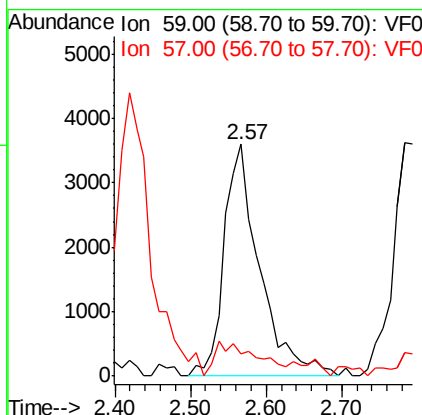
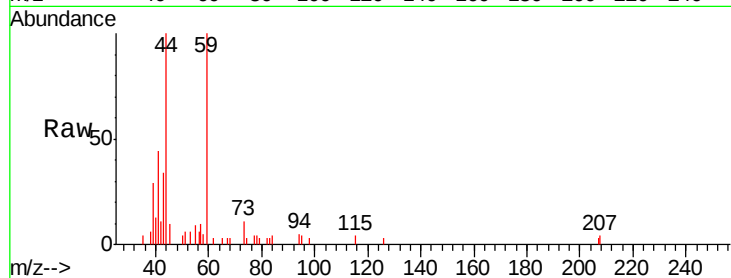
#11
Tert butyl alcohol
Concen: 129.959 ug/l
RT: 2.57 min Scan# 196
Delta R.T. -0.01 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion: 59 Resp: 11748
Ion Ratio Lower Upper
59 100
57 9.7 12.7 19.1#

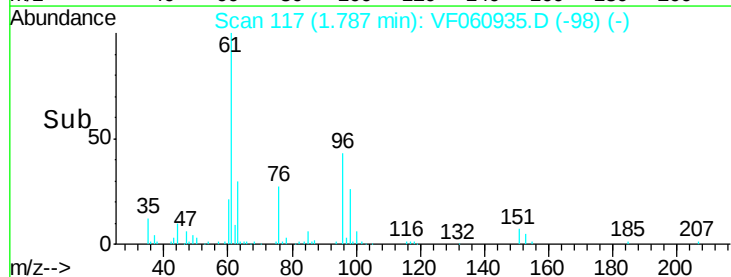
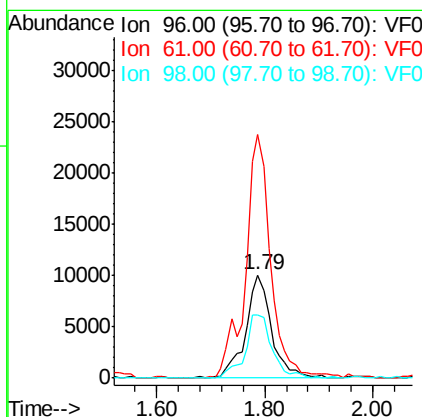
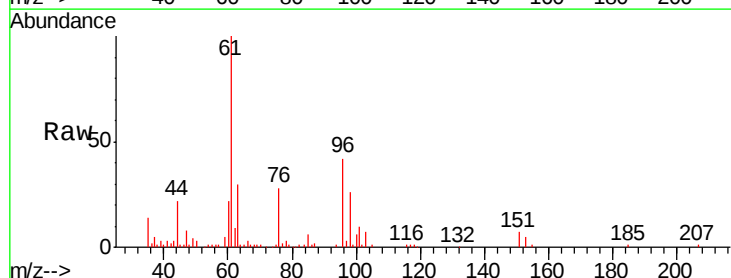
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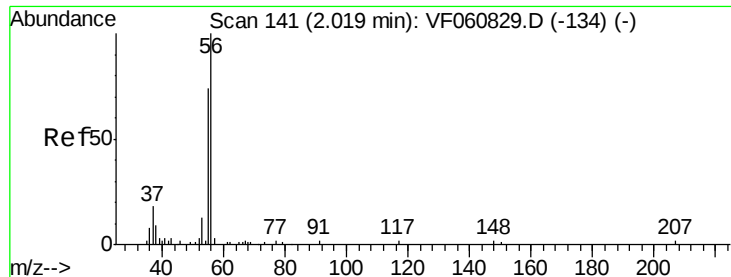
apatel
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#12
1,1-Dichloroethene
Concen: 22.474 ug/l
RT: 1.79 min Scan# 117
Delta R.T. -0.01 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Tgt Ion: 96 Resp: 33311
Ion Ratio Lower Upper
96 100
61 235.7 177.3 265.9
98 60.6 49.6 74.4





#13

Acrolein

Concen: 89.844 ug/l

RT: 1.99 min Scan# 138

Delta R.T. -0.02 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 56 Resp: 7695

Ion Ratio Lower Upper

56 100

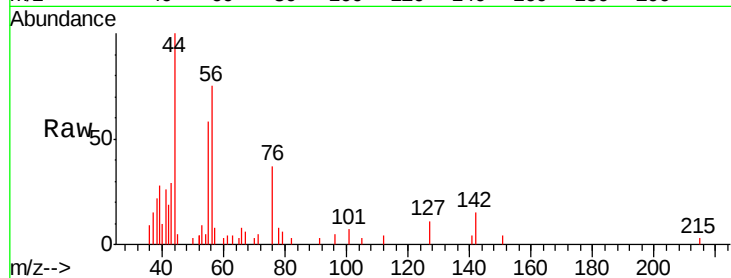
55 77.2 61.2 91.8

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

1.99

3000

2500

2000

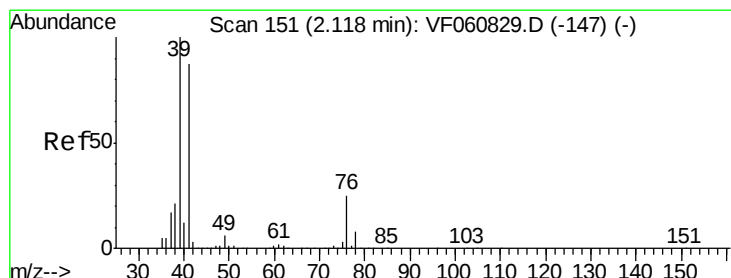
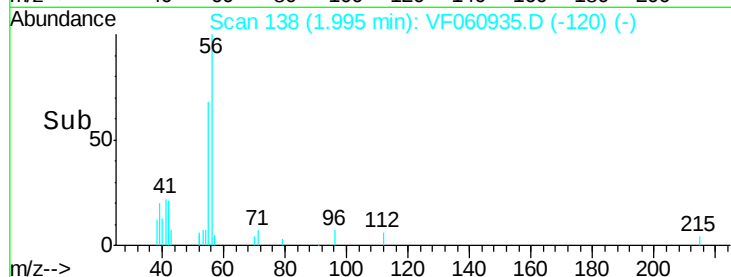
1500

1000

500

0

Time-->



#14

Allyl chloride

Concen: 20.456 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.03 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

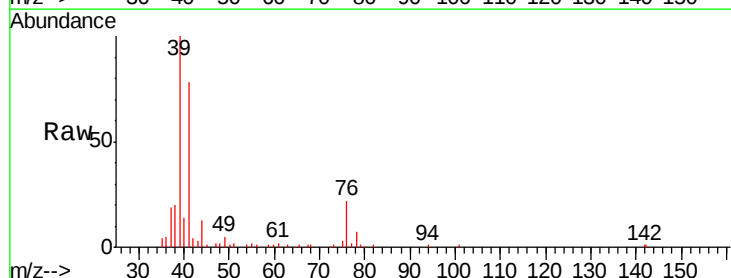
Tgt Ion: 41 Resp: 37791

Ion Ratio Lower Upper

41 100

39 128.2 91.7 137.5

76 28.2 23.5 35.3



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

2.08

30000

25000

20000

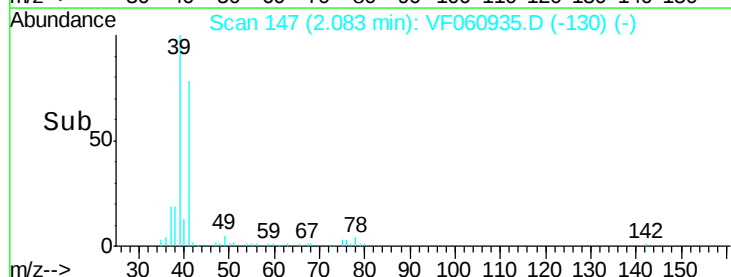
15000

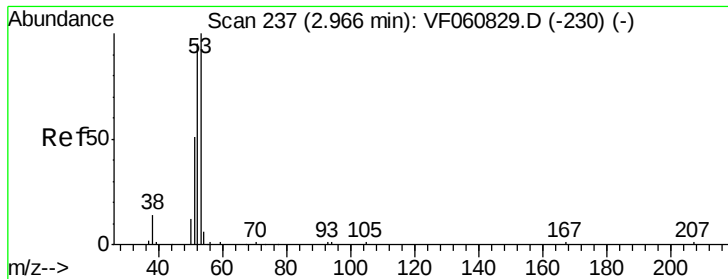
10000

5000

0

Time-->





#15

Acrylonitrile

Concen: 114.342 ug/l

RT: 2.92 min Scan# 232

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

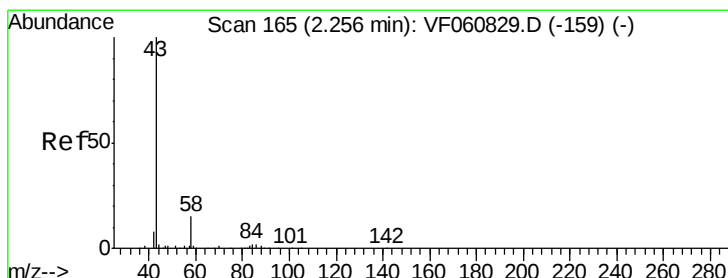
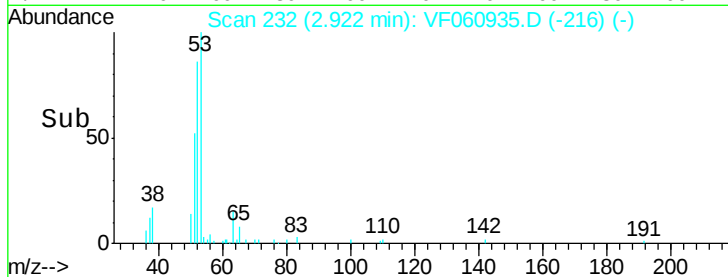
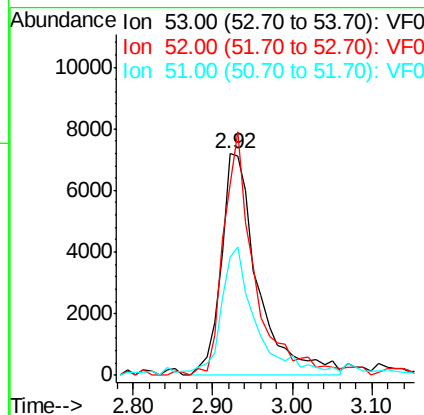
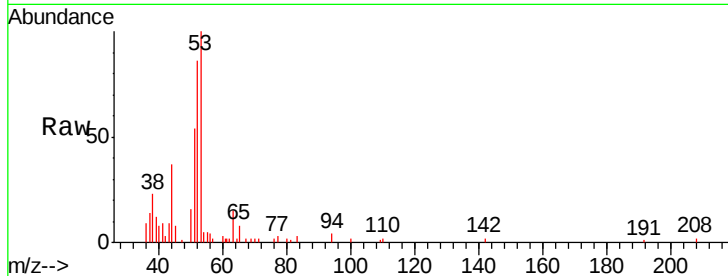
ClientSampleId :

VF1207SBS01

Tgt Ion:	53	Resp:	23173
Ion	Ratio	Lower	Upper
53	100		
52	86.3	76.5	114.7
51	53.6	40.7	61.1

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#16

Acetone

Concen: 132.544 ug/l

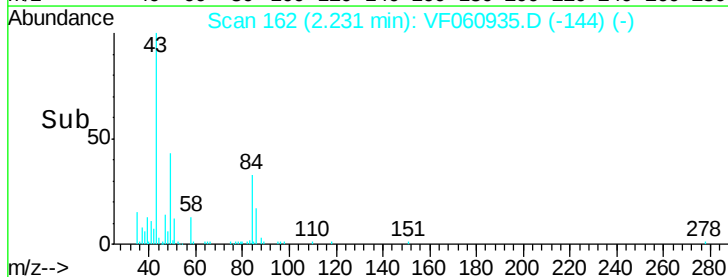
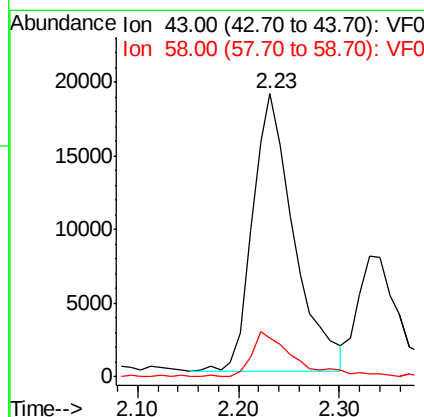
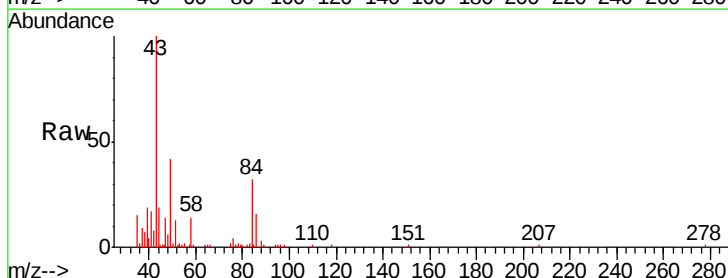
RT: 2.23 min Scan# 162

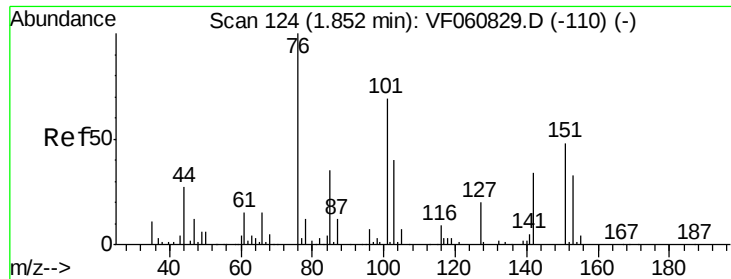
Delta R.T. -0.02 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Tgt Ion:	43	Resp:	53900
Ion	Ratio	Lower	Upper
43	100		
58	13.9	11.4	17.2





#17

Carbon Disulfide

Concen: 22.932 ug/l

RT: 1.83 min Scan# 121

Delta R.T. -0.02 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 76 Resp: 91137

Ion Ratio Lower Upper

76 100

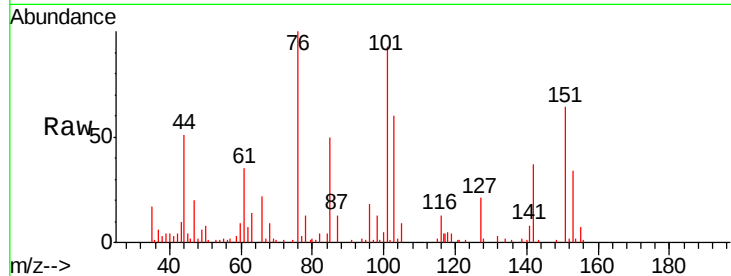
78 13.2 10.2 15.2

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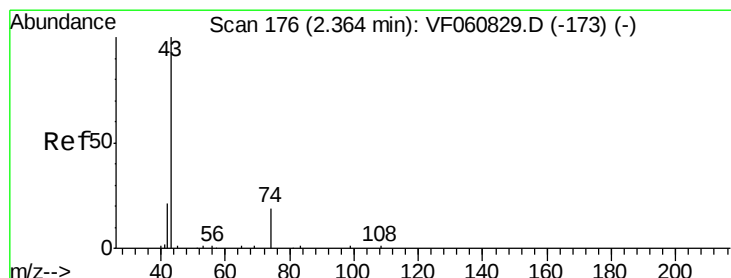
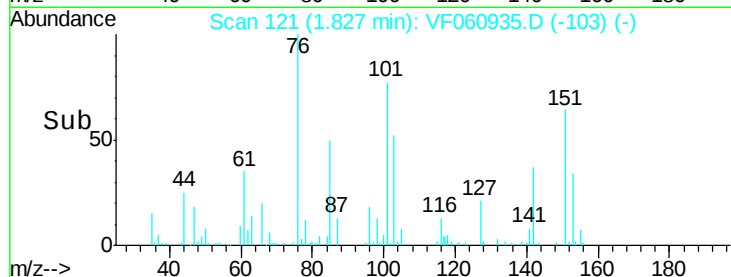
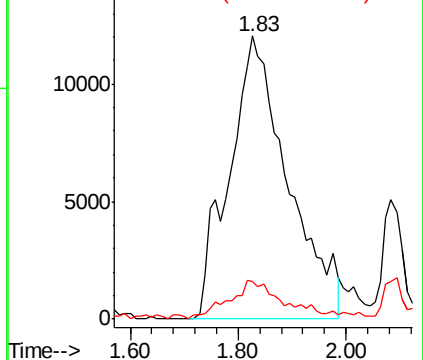
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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#18

Methyl Acetate

Concen: 27.229 ug/l

RT: 2.33 min Scan# 172

Delta R.T. -0.03 min

Lab File: VF060935.D

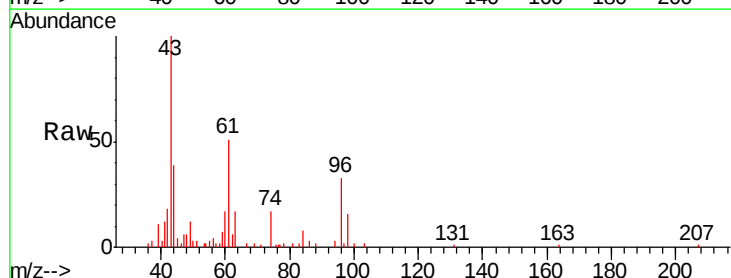
Acq: 7 Dec 2018 17:38

Tgt Ion: 43 Resp: 19090

Ion Ratio Lower Upper

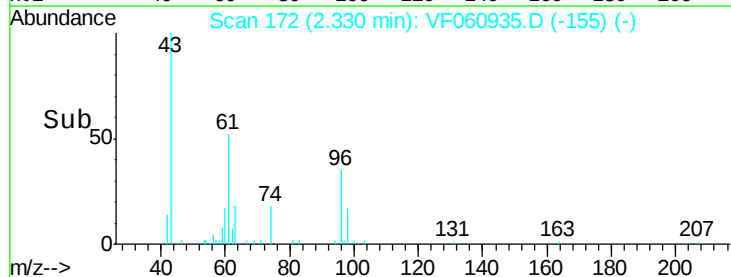
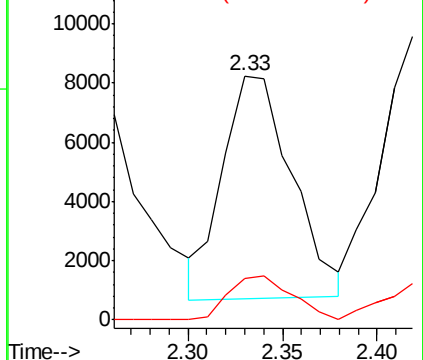
43 100

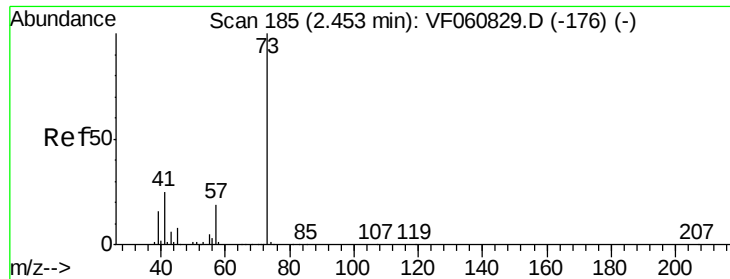
74 17.1 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0





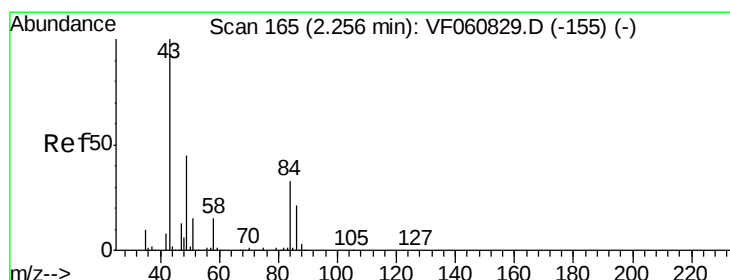
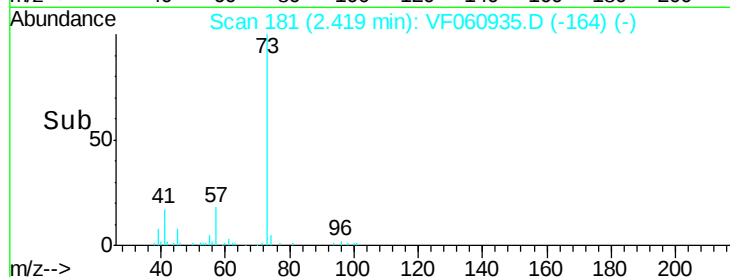
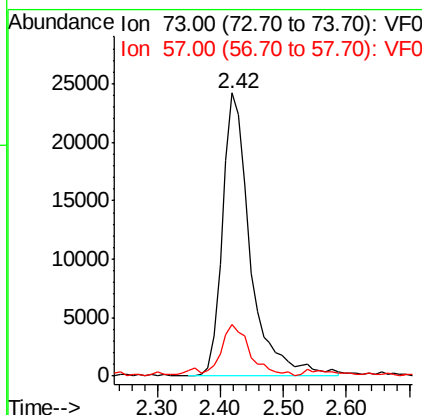
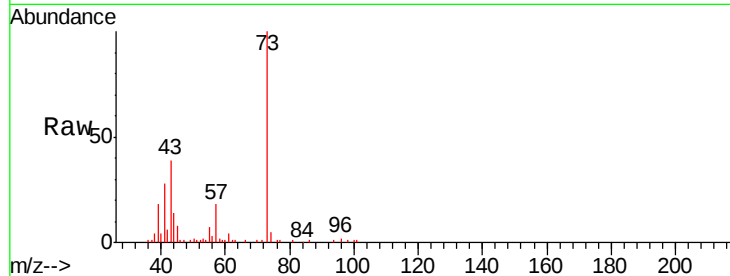
#19
Methyl tert-butyl Ether
Concen: 22.297 ug/l
RT: 2.42 min Scan# 181
Delta R.T. -0.03 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion: 73 Resp: 74435
Ion Ratio Lower Upper
73 100
57 18.1 15.3 22.9

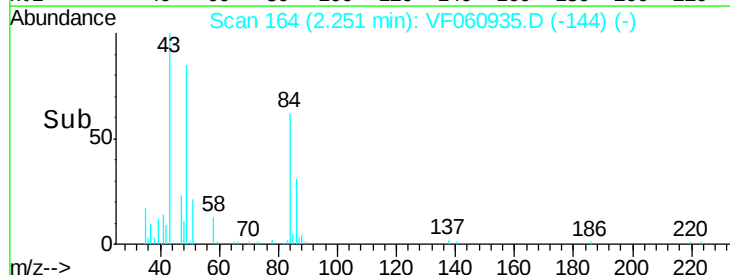
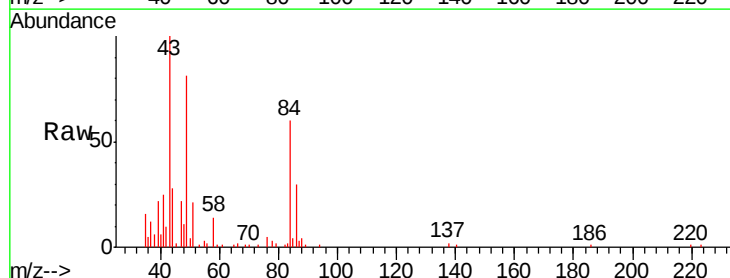
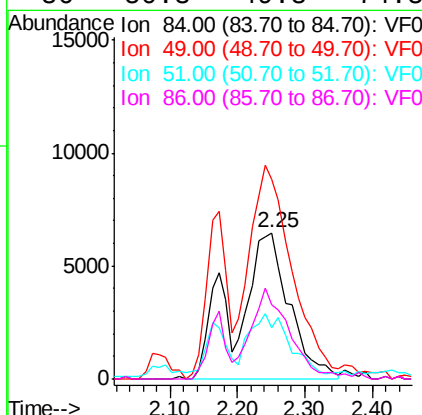
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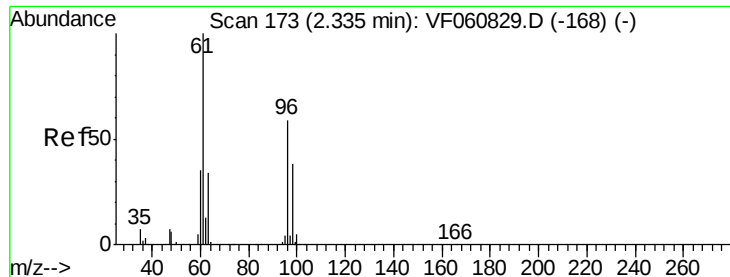
apatel
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#20
Methylene Chloride
Concen: 24.096 ug/l m
RT: 2.25 min Scan# 164
Delta R.T. -0.00 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Tgt Ion: 84 Resp: 35948
Ion Ratio Lower Upper
84 100
49 136.0 111.3 166.9
51 34.8 38.0 57.0#
86 50.3 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 23.671 ug/l m

RT: 2.30 min Scan# 169

Delta R.T. -0.03 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

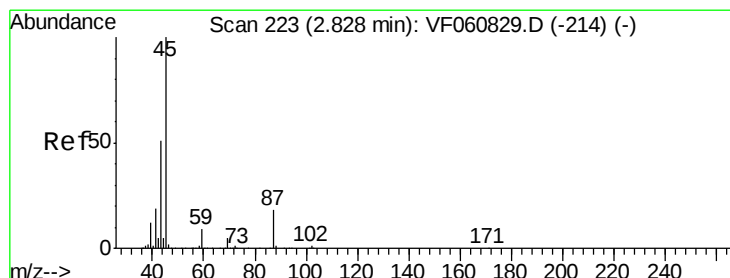
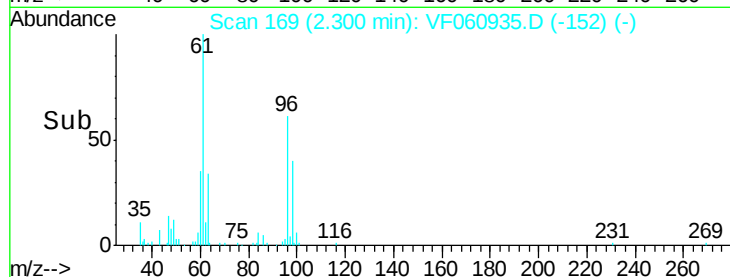
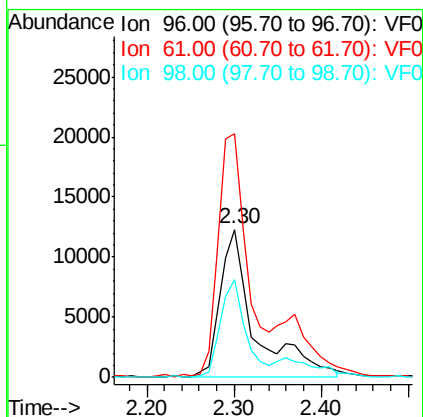
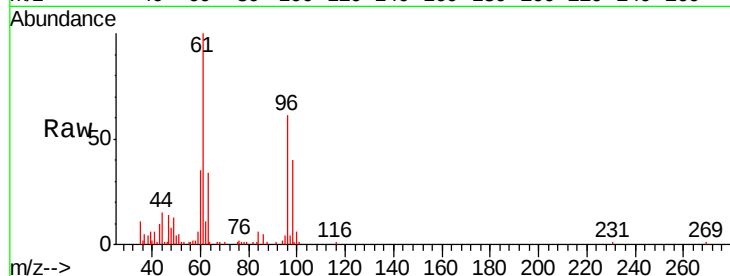
ClientSampleId :

VF1207SBS01

Tgt Ion:	96	Resp:	33826
Ion Ratio	Lower	Upper	
96	100		
61	164.3	134.5	201.7
98	65.9	51.6	77.4

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#22

Diisopropyl ether

Concen: 23.978 ug/l

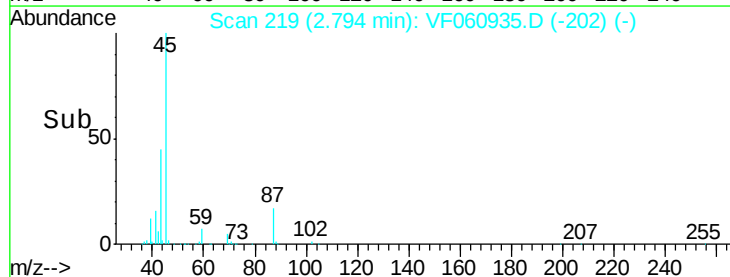
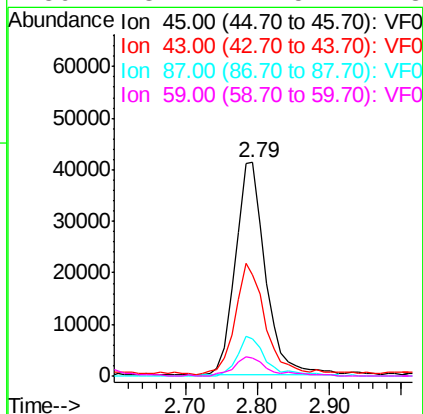
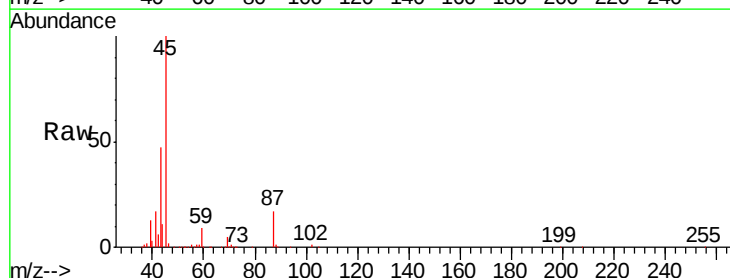
RT: 2.79 min Scan# 219

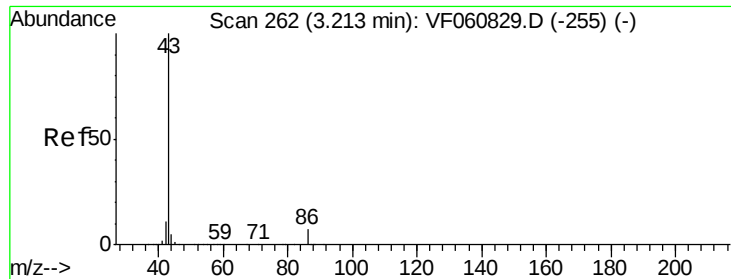
Delta R.T. -0.03 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Tgt Ion:	45	Resp:	120580
Ion Ratio	Lower	Upper	
45	100		
43	47.3	41.0	61.6
87	17.2	14.6	22.0
59	8.7	7.5	11.3





#23

Vinyl Acetate

Concen: 123.691 ug/l

RT: 3.17 min Scan# 257

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 43 Resp: 284330

Ion Ratio Lower Upper

43 100

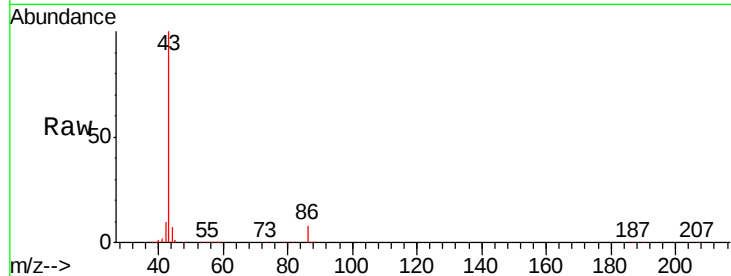
86 7.8 5.4 8.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.17

120000

100000

80000

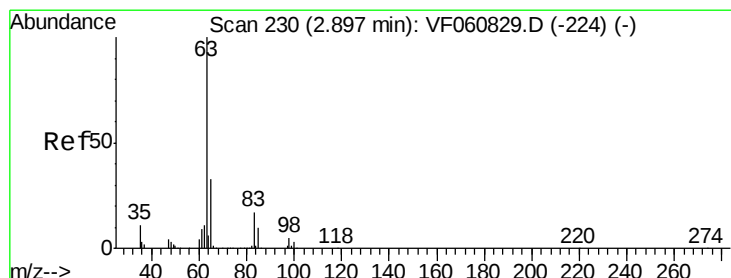
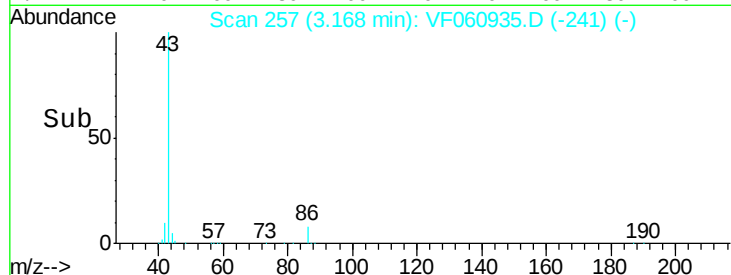
60000

40000

20000

0

Time--> 3.00 3.10 3.20 3.30 3.40



#24

1,1-Dichloroethane

Concen: 22.998 ug/l

RT: 2.85 min Scan# 225

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

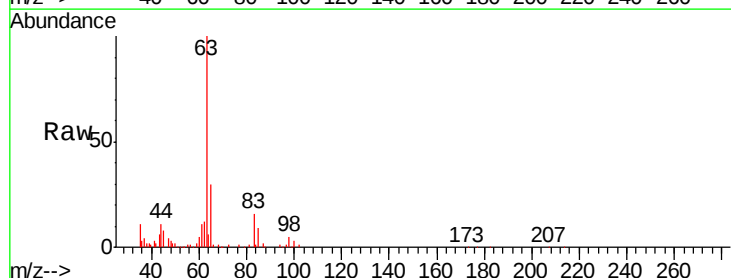
Tgt Ion: 63 Resp: 68808

Ion Ratio Lower Upper

63 100

98 4.8 2.7 8.1

100 3.1 1.5 4.5



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

2.85

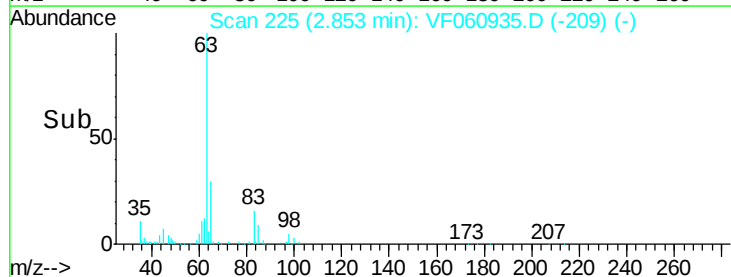
30000

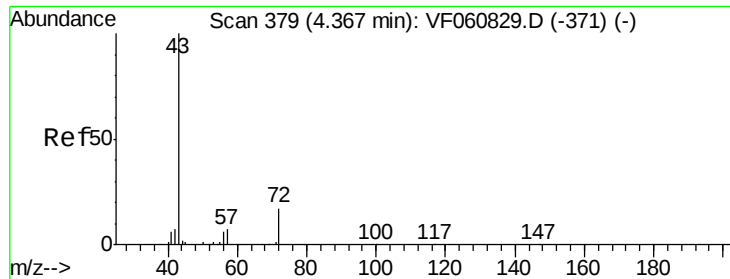
20000

10000

0

Time--> 2.70 2.80 2.90 3.00





#25

2-Butanone

Concen: 123.896 ug/l

RT: 4.32 min Scan# 374

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 43 Resp: 87145

Ion Ratio Lower Upper

43 100

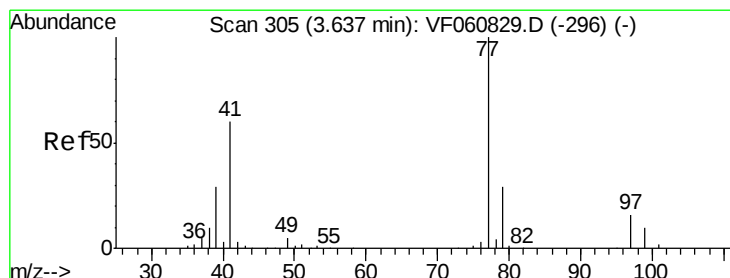
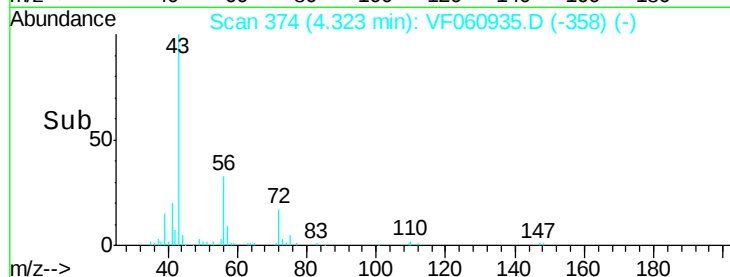
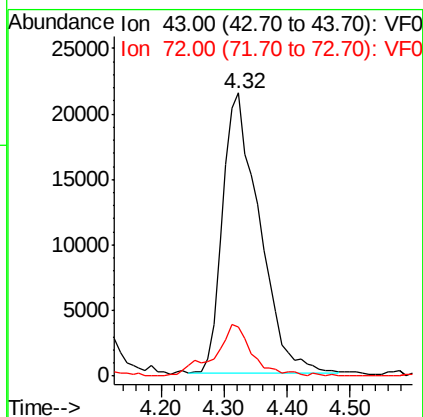
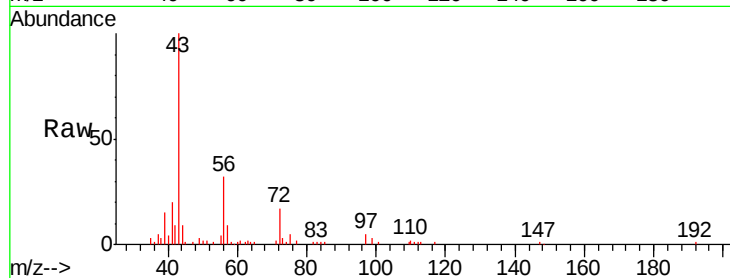
72 17.2 15.4 23.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.603 ug/l

RT: 3.58 min Scan# 299

Delta R.T. -0.05 min

Lab File: VF060935.D

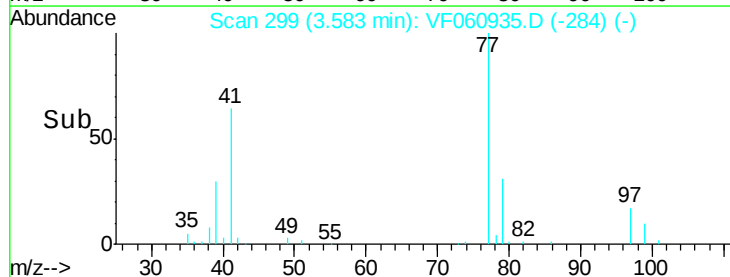
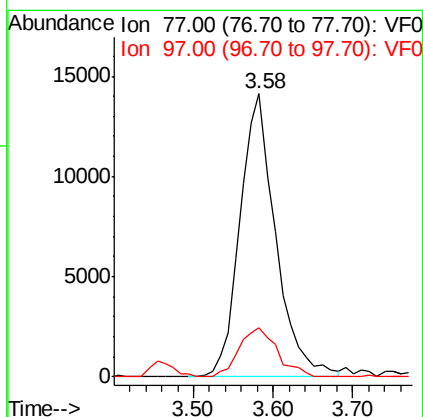
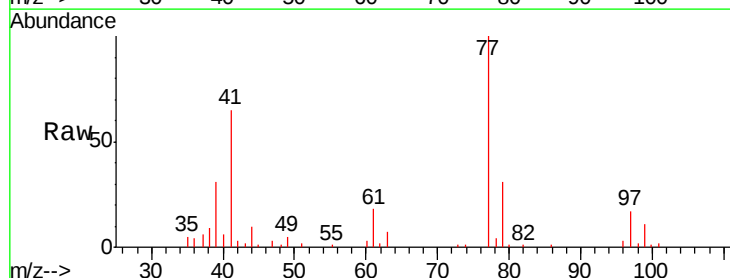
Acq: 7 Dec 2018 17:38

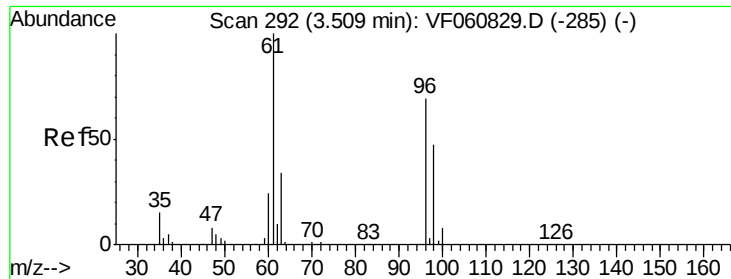
Tgt Ion: 77 Resp: 43844

Ion Ratio Lower Upper

77 100

97 17.3 8.6 25.8





#27

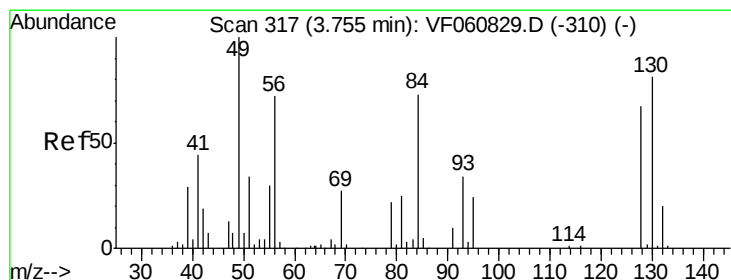
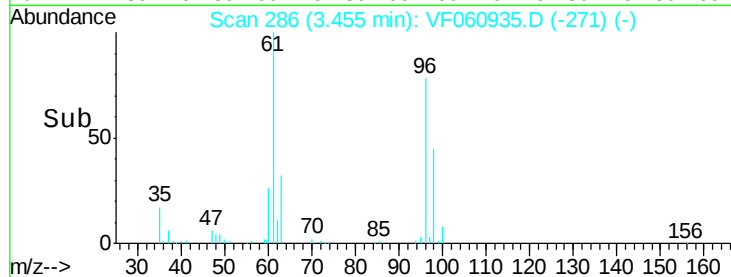
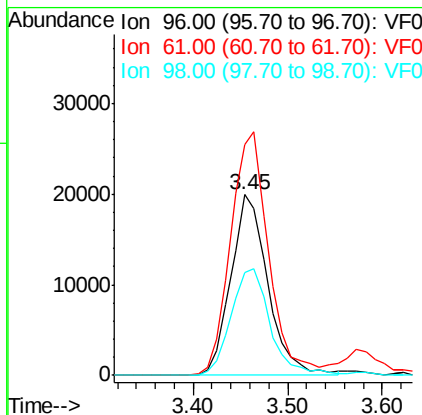
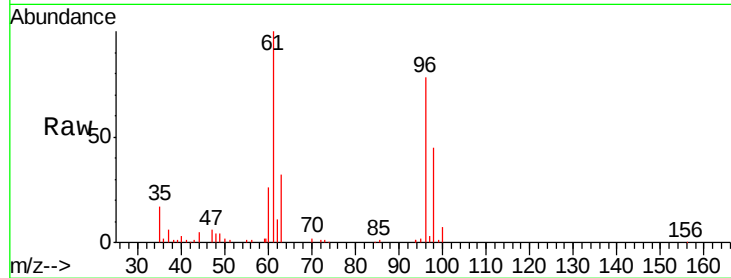
cis-1,2-Dichloroethene
Concen: 23.267 ug/l
RT: 3.45 min Scan# 286
Delta R.T. -0.05 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	54128		
61	128.2		0.0	290.6
98	57.1		0.0	137.8

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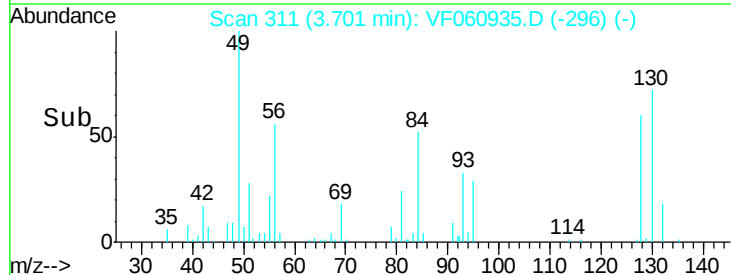
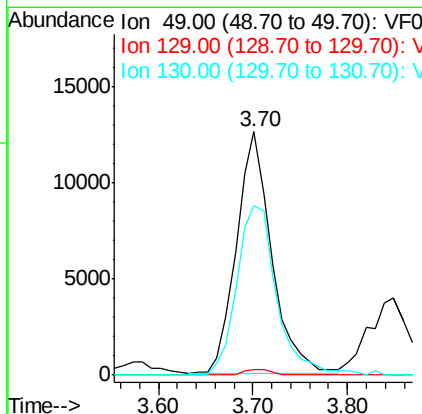
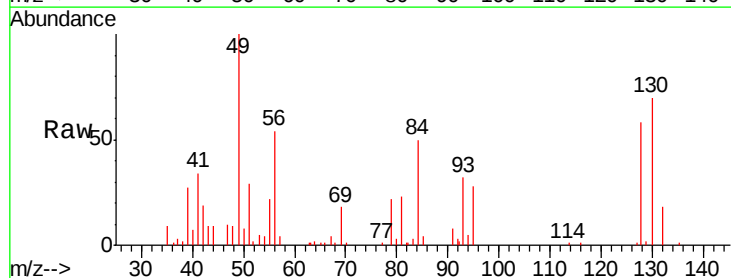
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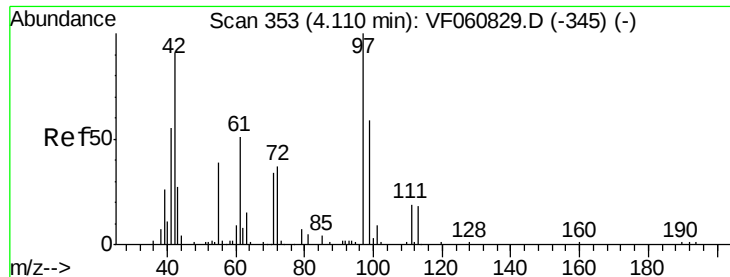


#28

Bromochloromethane
Concen: 22.417 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.05 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	32188		
129	2.3		0.0	4.4
130	69.8		64.2	96.4





#29

Tetrahydrofuran

Concen: 121.499 ug/l

RT: 4.06 min Scan# 347

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

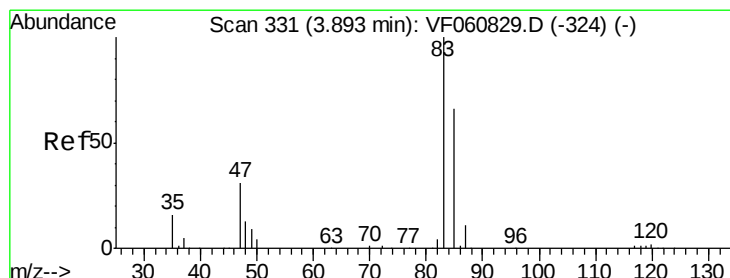
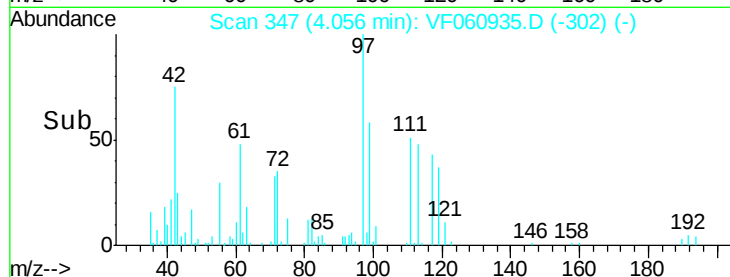
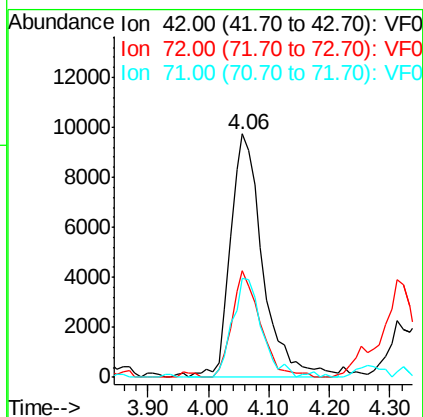
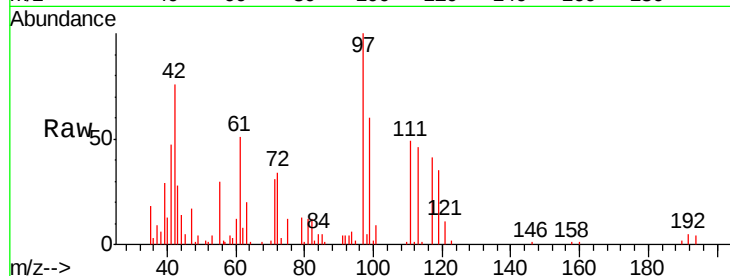
ClientSampleId :

VF1207SBS01

Tgt Ion:	42	Resp:	36225
Ion	Ratio	Lower	Upper
42	100		
72	38.2	31.9	47.9
71	36.6	28.7	43.1

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#30

Chloroform

Concen: 24.151 ug/l

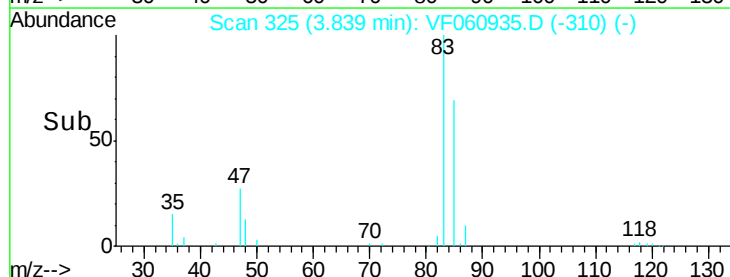
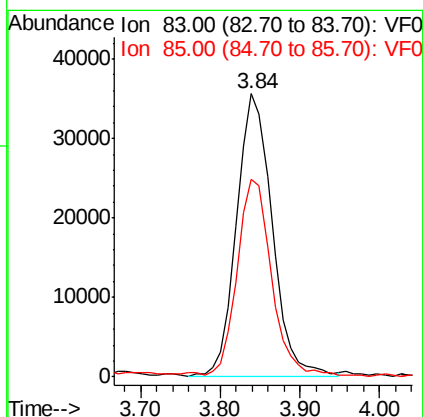
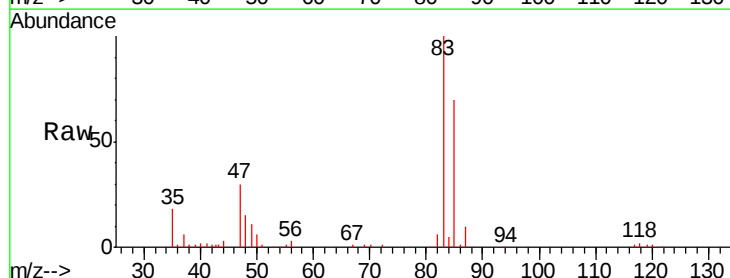
RT: 3.84 min Scan# 325

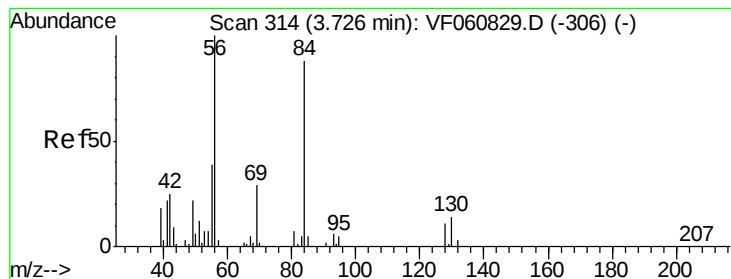
Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Tgt Ion:	83	Resp:	111209
Ion	Ratio	Lower	Upper
83	100		
85	69.9	53.4	80.2





#31

Cyclohexane

Concen: 22.911 ug/l m

RT: 3.67 min Scan# 308

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

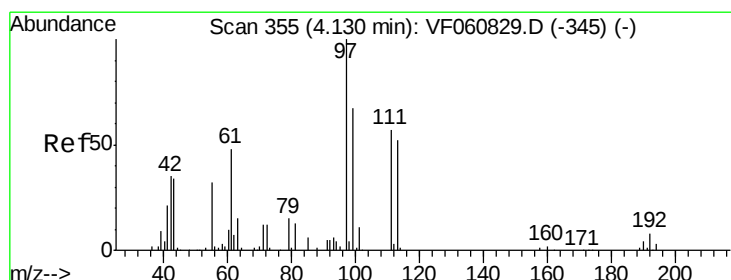
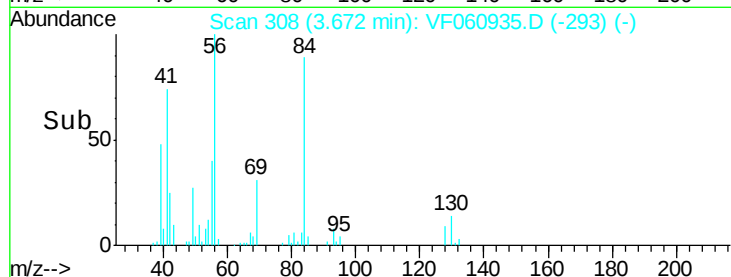
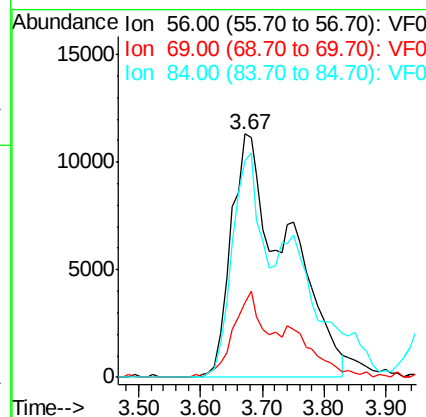
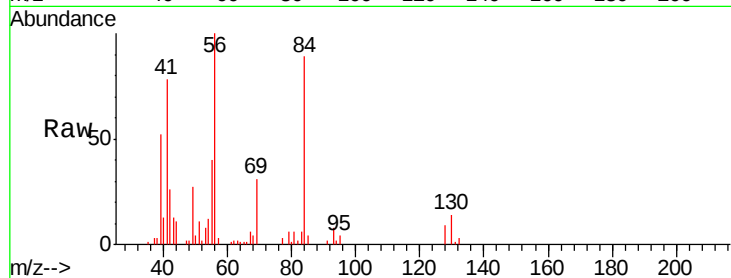
ClientSampleId :

VF1207SBS01

Tgt Ion:	56	Resp:	71139
Ion	Ratio	Lower	Upper
56	100		
69	30.8	23.0	34.4
84	89.1	70.4	105.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.441 ug/l

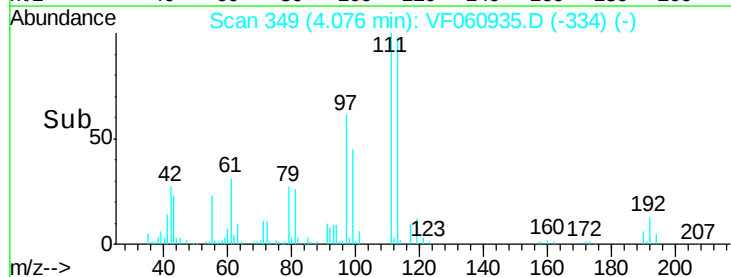
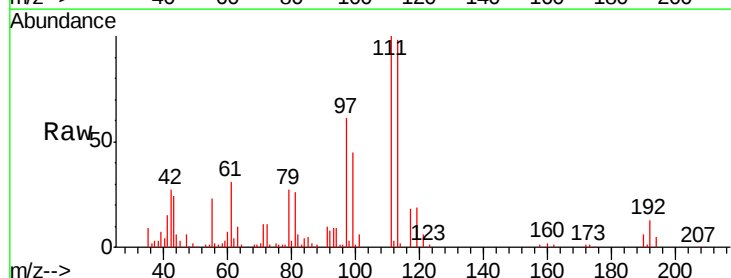
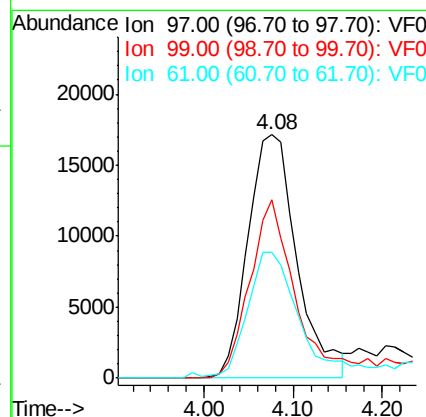
RT: 4.08 min Scan# 349

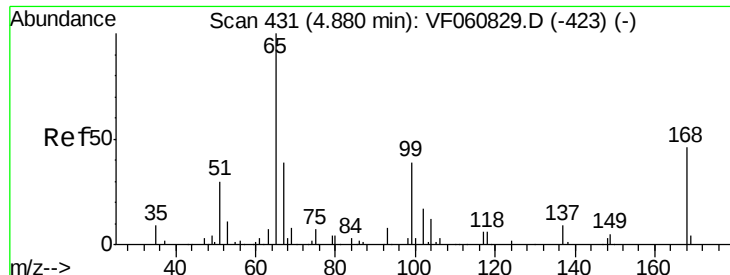
Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Tgt Ion:	97	Resp:	65279
Ion	Ratio	Lower	Upper
97	100		
99	73.4	53.5	80.3
61	51.5	38.6	58.0





#33

1,2-Dichloroethane-d4

Concen: 56.016 ug/l

RT: 4.83 min Scan# 425

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 65 Resp: 123529

Ion Ratio Lower Upper

65 100

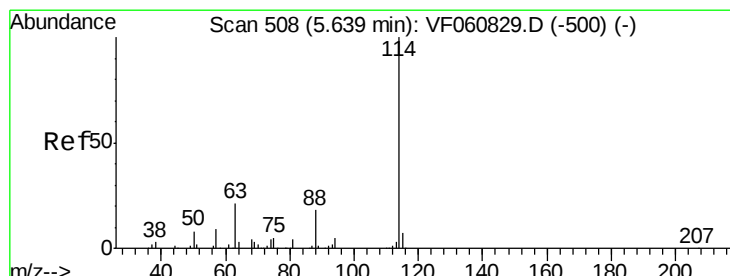
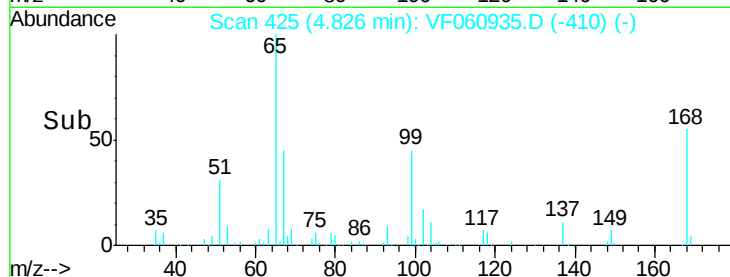
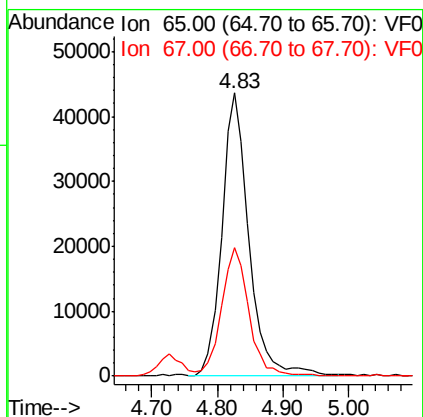
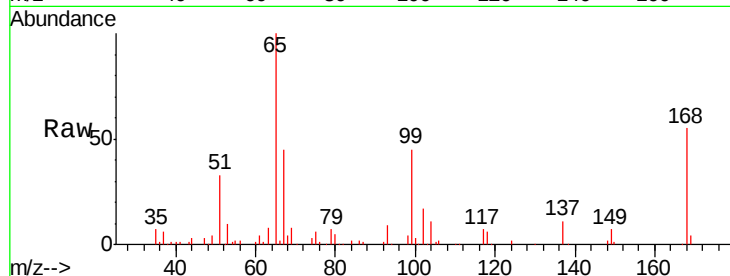
67 45.5 0.0 96.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.59 min Scan# 502

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

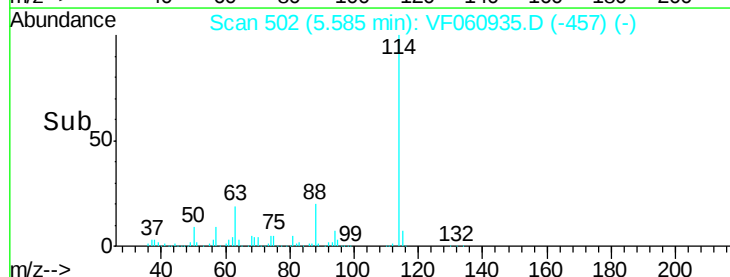
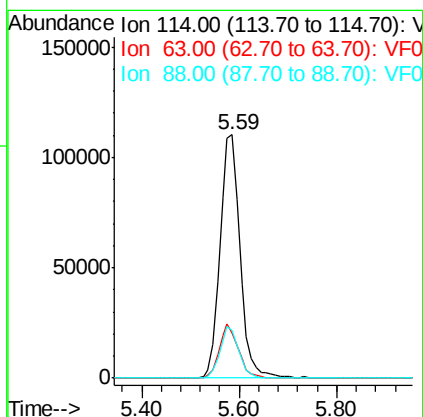
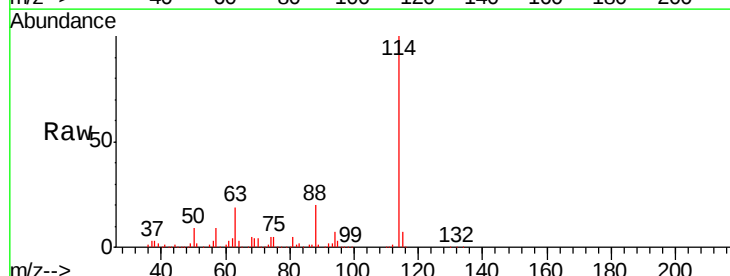
Tgt Ion: 114 Resp: 315584

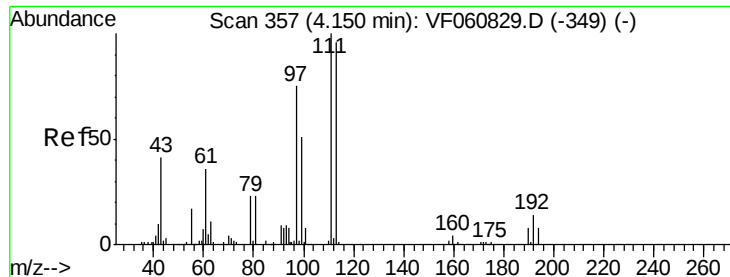
Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.6

88 19.6 0.0 36.6





#35

Dibromofluoromethane

Concen: 51.415 ug/l

RT: 4.10 min Scan# 351

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

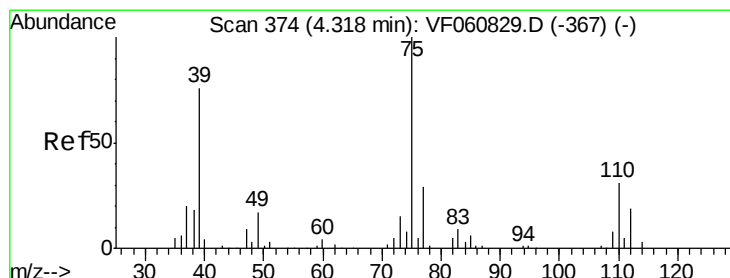
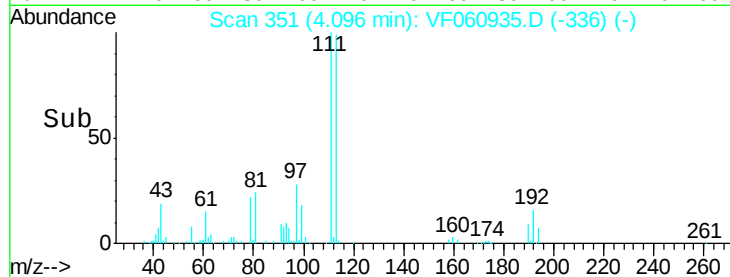
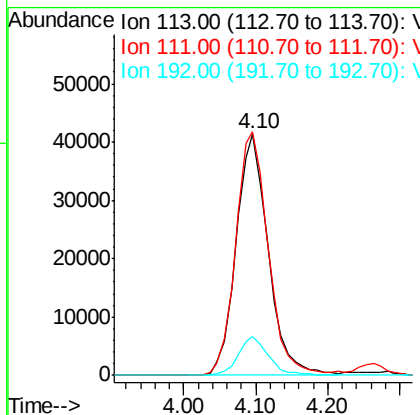
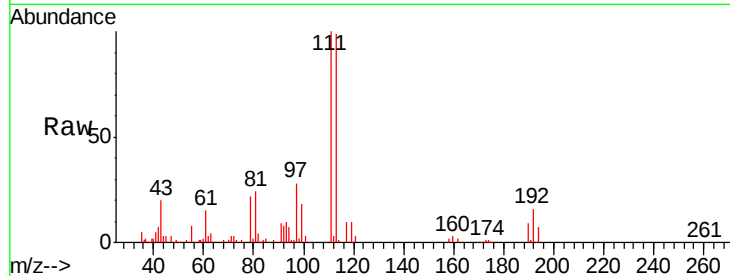
ClientSampleId :

VF1207SBS01

Tgt Ion:	113	Resp:	128722
Ion Ratio	Lower	Upper	
113	100		
111	100.9	83.0	124.6
192	16.5	12.3	18.5

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#36

1,1-Dichloropropene

Concen: 24.260 ug/l

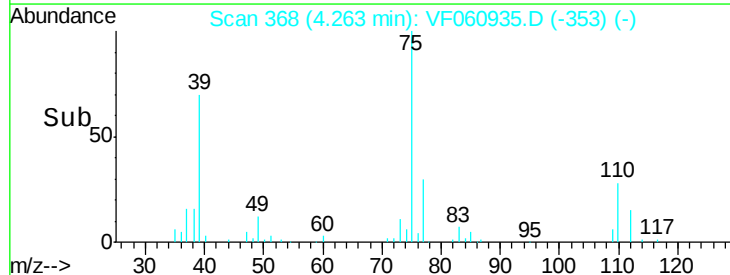
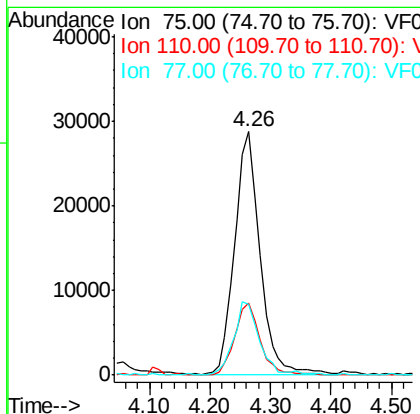
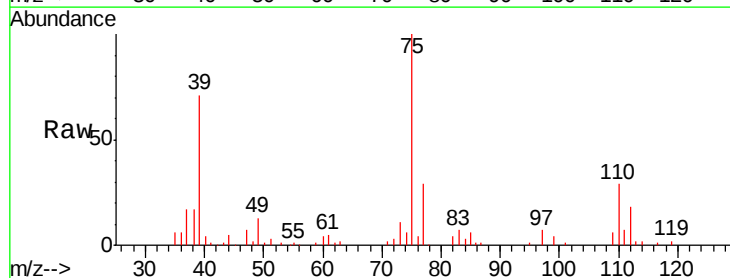
RT: 4.26 min Scan# 368

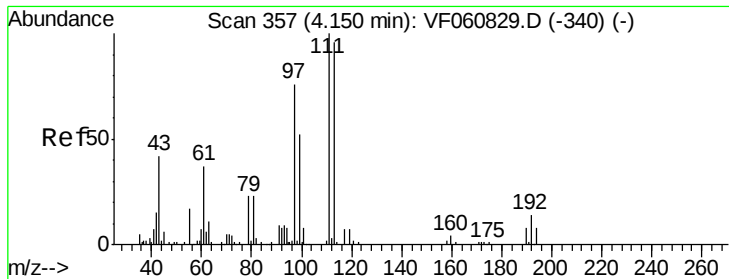
Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Tgt Ion:	75	Resp:	84919
Ion Ratio	Lower	Upper	
75	100		
110	29.4	15.6	46.8
77	29.2	23.4	35.0





#37

Ethyl Acetate

Concen: 23.344 ug/l

RT: 4.10 min Scan# 351

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

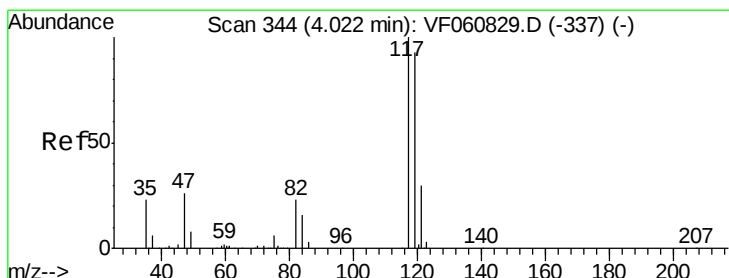
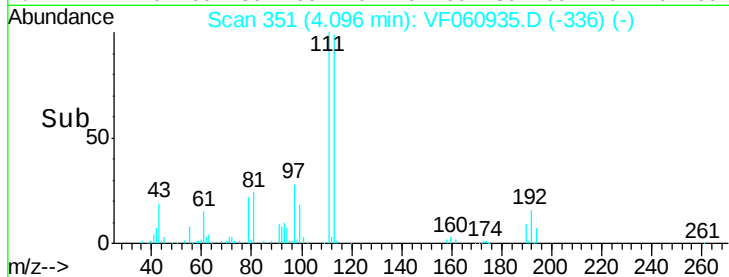
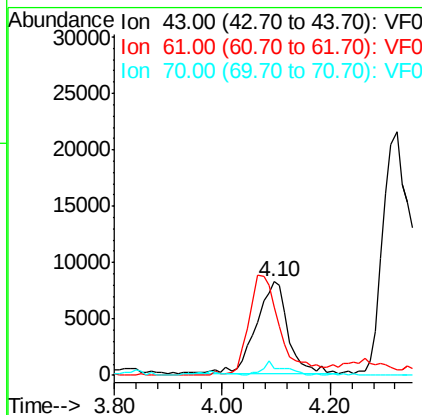
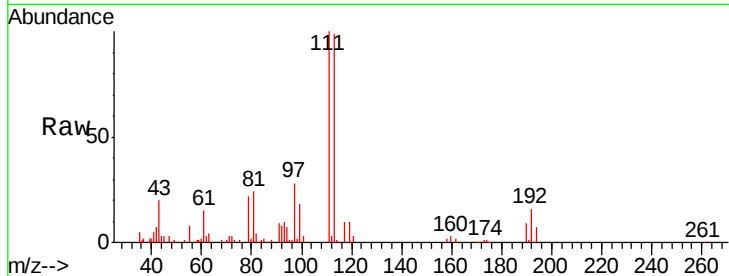
ClientSampleId :

VF1207SBS01

Tgt Ion:	43	Resp:	33206
Ion Ratio	Lower	Upper	
43	100		
61	73.7	68.6	103.0
70	6.8	9.0	13.4#

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#38

Carbon Tetrachloride

Concen: 21.310 ug/l

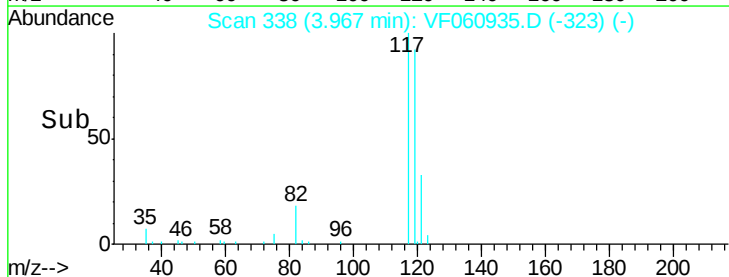
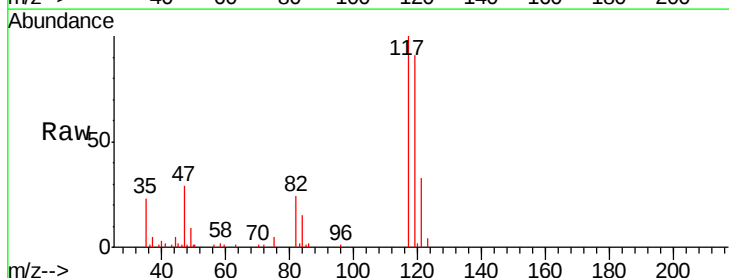
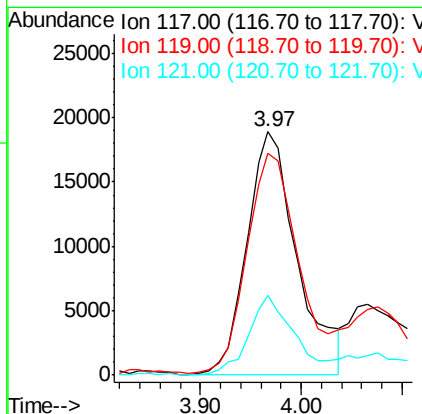
RT: 3.97 min Scan# 338

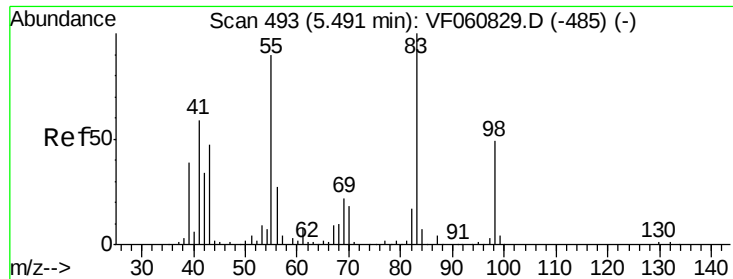
Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Tgt Ion:	117	Resp:	65883
Ion Ratio	Lower	Upper	
117	100		
119	91.3	74.4	111.6
121	32.6	23.5	35.3





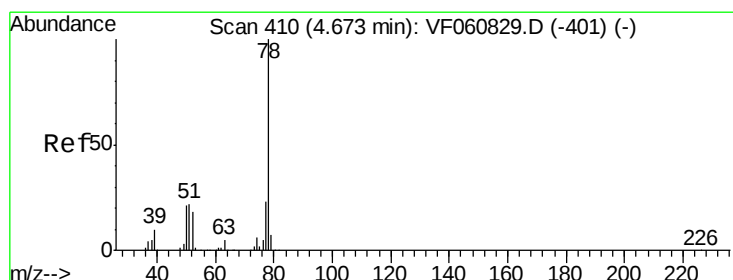
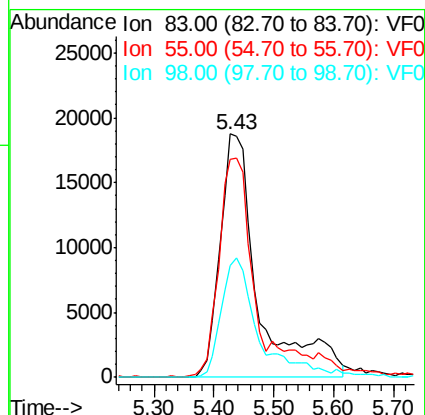
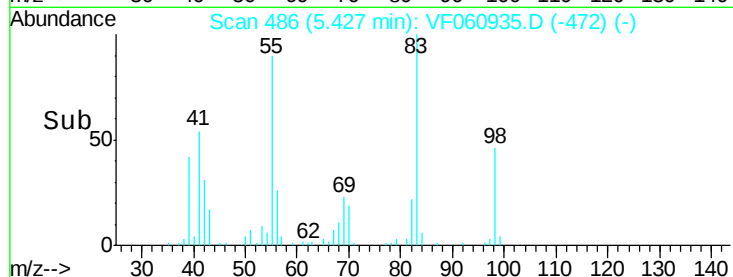
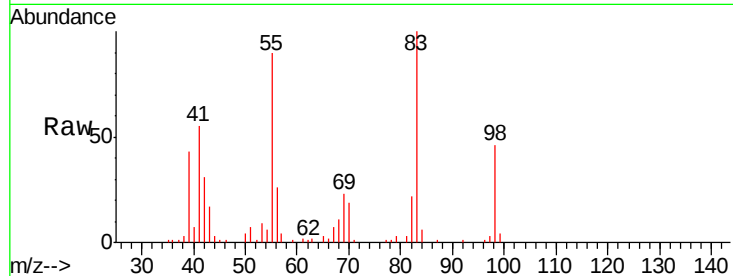
#39
Methylcyclohexane
Concen: 22.825 ug/l m
RT: 5.43 min Scan# 486
Delta R.T. -0.06 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion: 83 Resp: 83730
Ion Ratio Lower Upper
83 100
55 89.8 72.1 108.1
98 45.9 39.1 58.7

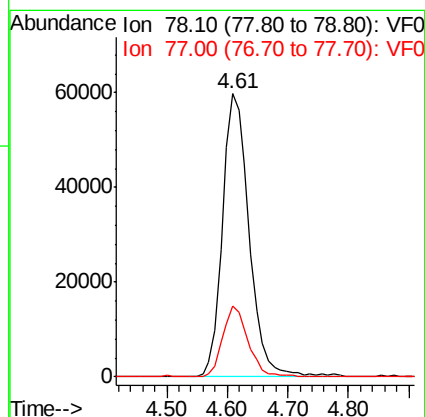
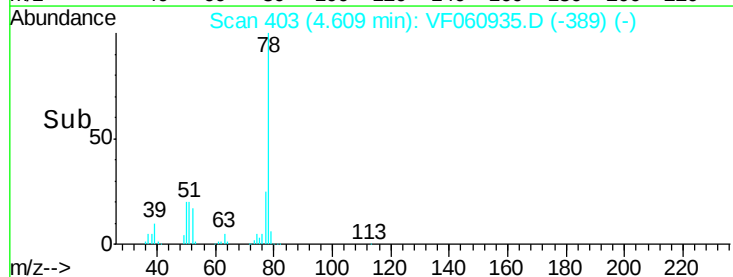
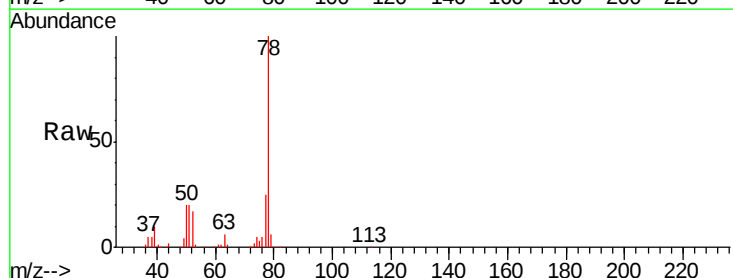
Manual Integrations
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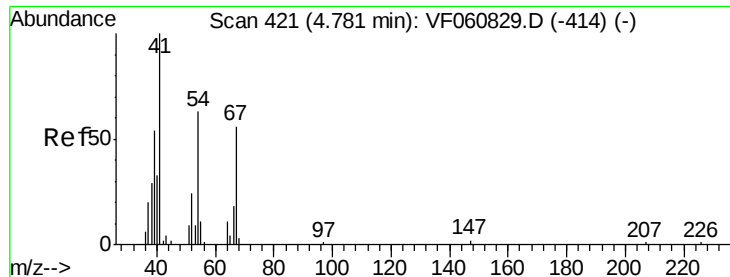
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#40
Benzene
Concen: 23.681 ug/l
RT: 4.61 min Scan# 403
Delta R.T. -0.06 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Tgt Ion: 78 Resp: 183128
Ion Ratio Lower Upper
78 100
77 25.2 18.7 28.1





#41

Methacrylonitrile

Concen: 22.306 ug/l

RT: 4.73 min Scan# 415

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

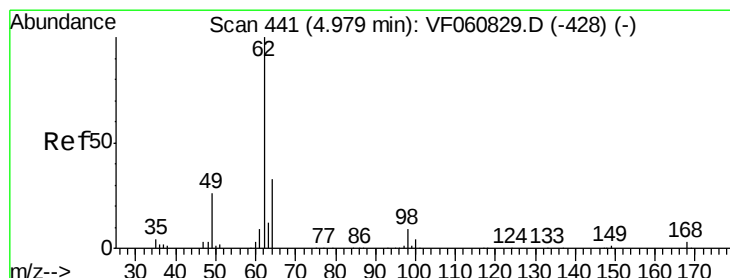
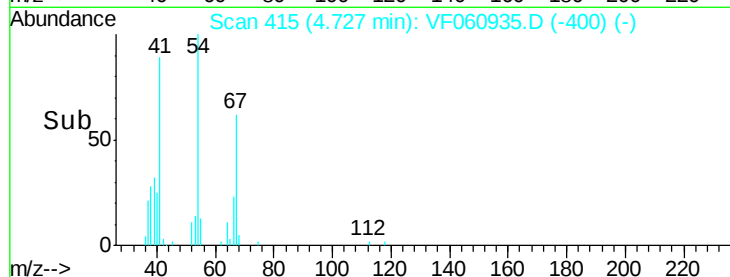
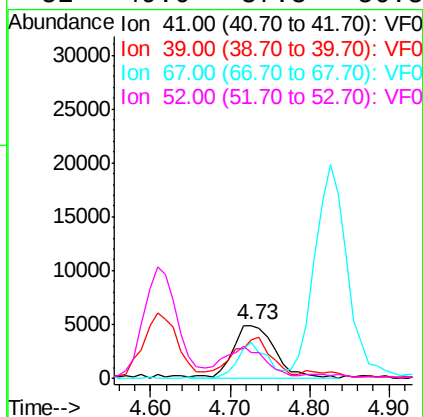
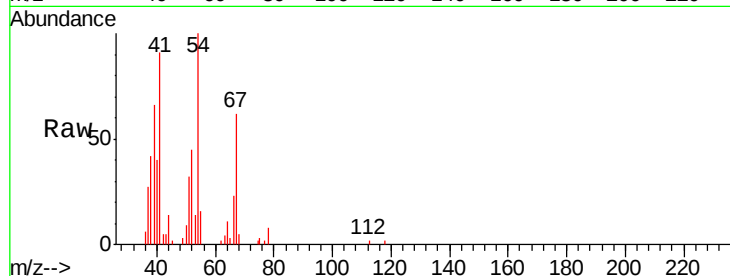
ClientSampleId :

VF1207SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	72.1	53.0	79.6
67	68.5	43.8	65.6
52	49.0	37.8	56.8

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 23.154 ug/l

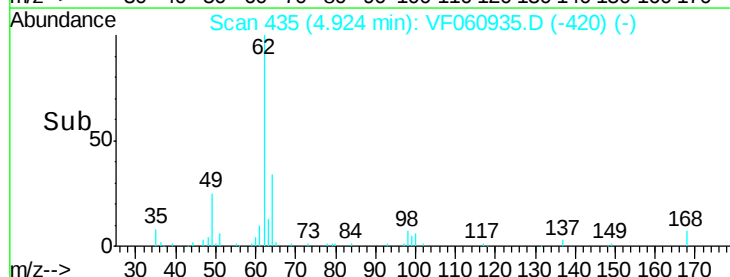
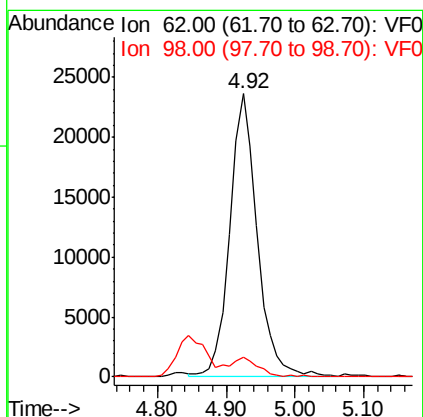
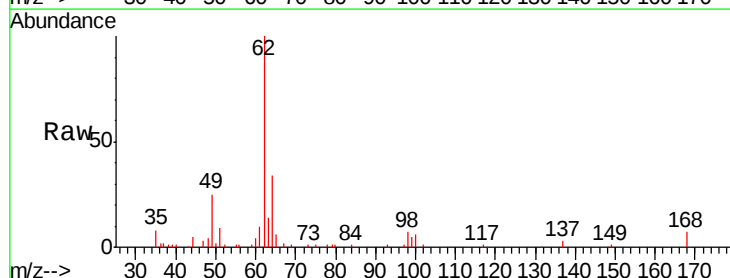
RT: 4.92 min Scan# 435

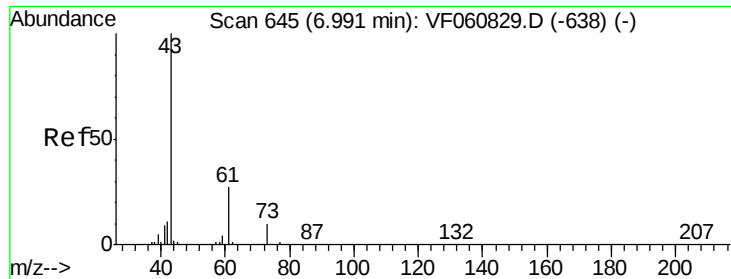
Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	17.2





#43

Isopropyl Acetate

Concen: 21.294 ug/l

RT: 6.95 min Scan# 640

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

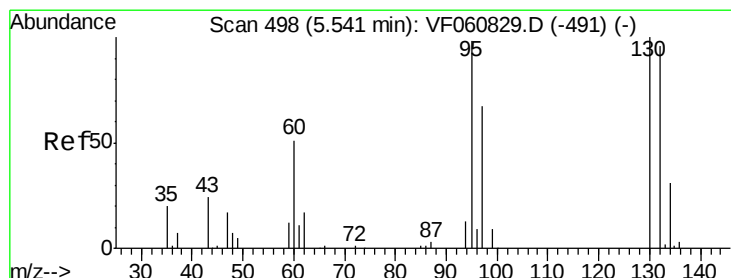
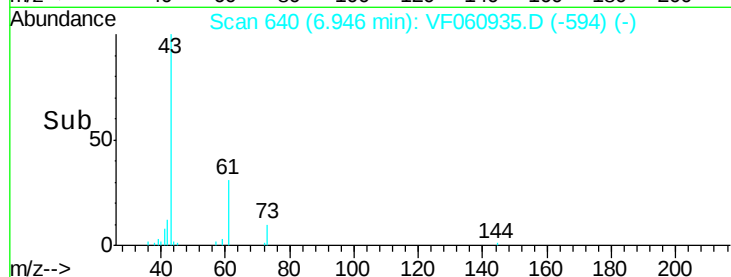
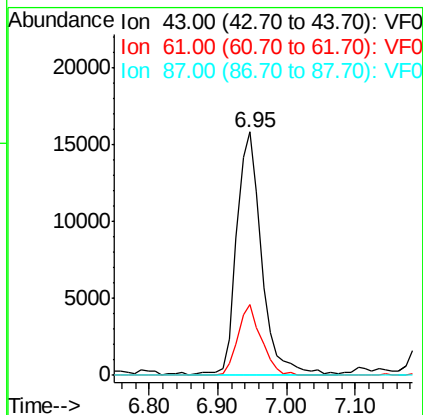
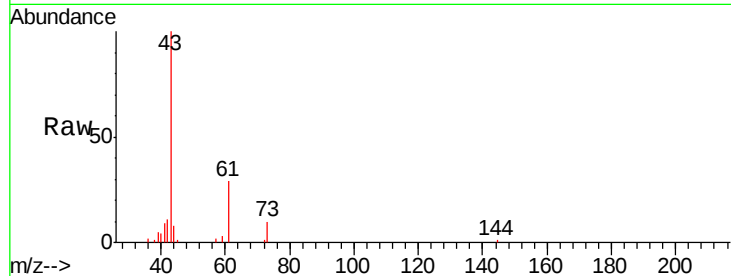
ClientSampleId :

VF1207SBS01

Tgt Ion:	43	Resp:	40112
Ion Ratio	Lower	Upper	
43	100		
61	29.3	21.4	32.0
87	0.0	0.2	0.4#

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#44

Trichloroethene

Concen: 22.505 ug/l

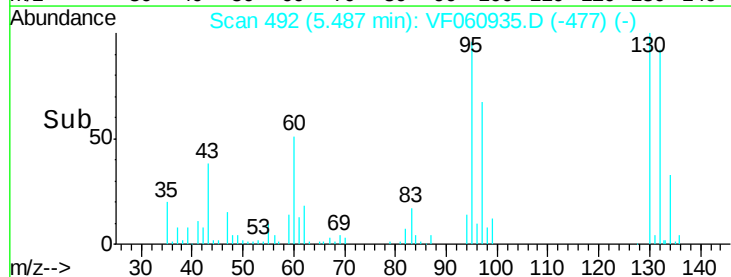
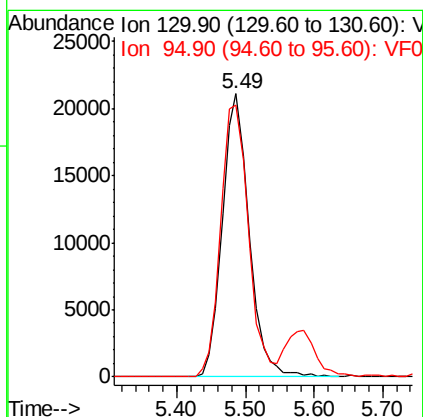
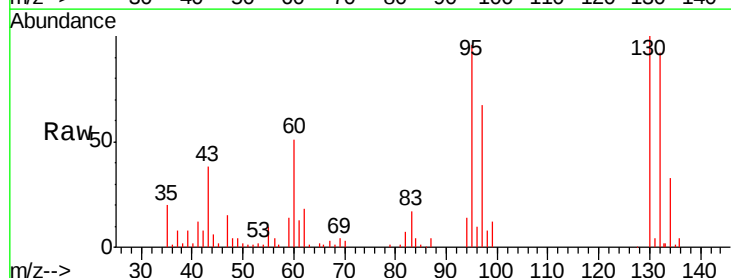
RT: 5.49 min Scan# 492

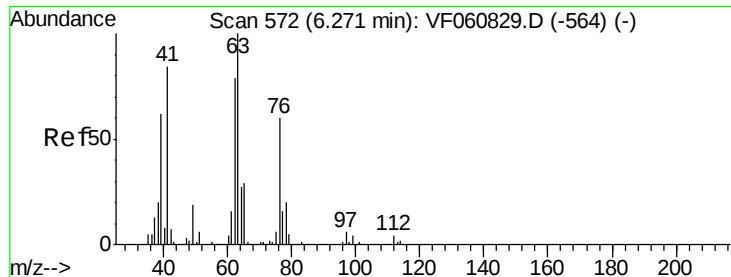
Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Tgt Ion:	130	Resp:	56902
Ion Ratio	Lower	Upper	
130	100		
95	95.9	0.0	195.6





#45

1,2-Dichloropropane

Concen: 23.329 ug/l

RT: 6.22 min Scan# 566

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 63 Resp: 46853

Ion Ratio Lower Upper

63 100

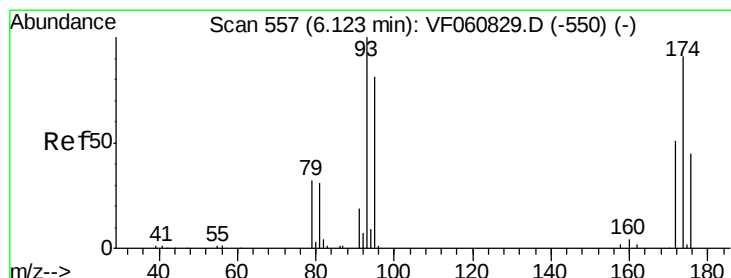
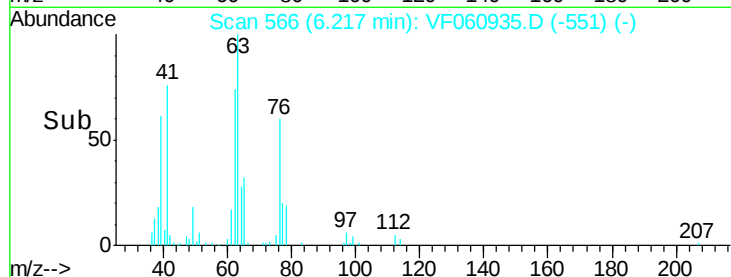
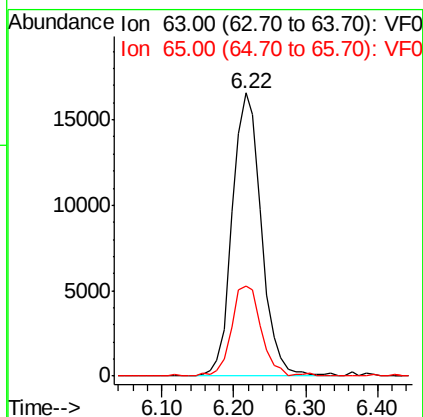
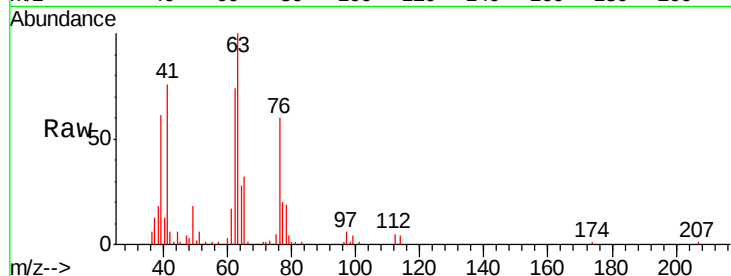
65 31.8 23.2 34.8

Manual Integrations

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#46

Dibromomethane

Concen: 22.725 ug/l

RT: 6.07 min Scan# 551

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

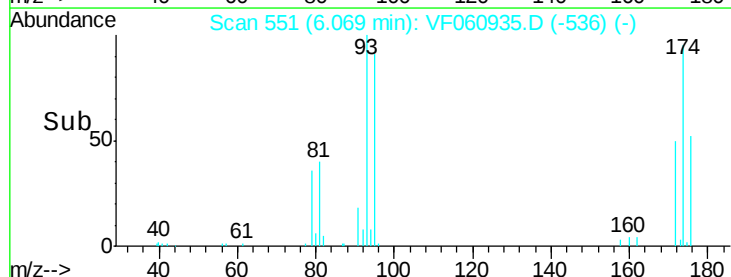
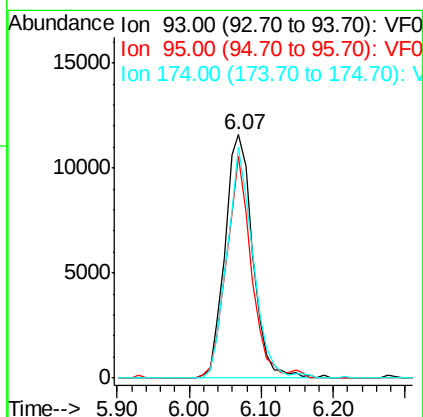
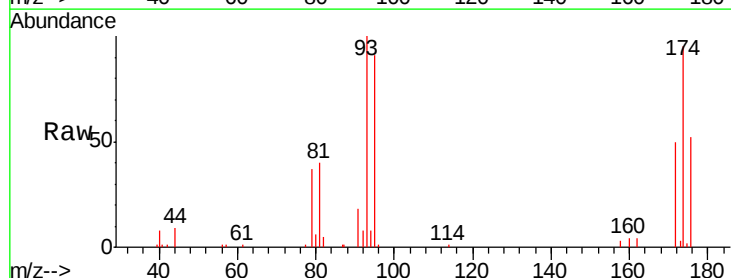
Tgt Ion: 93 Resp: 30961

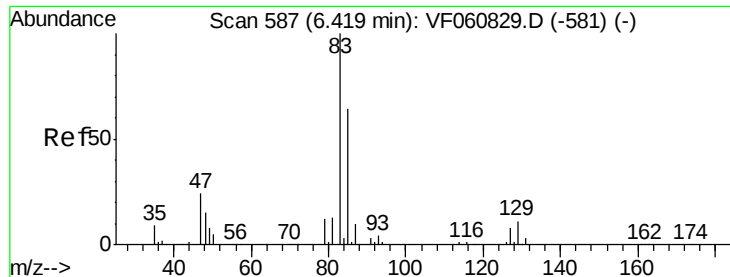
Ion Ratio Lower Upper

93 100

95 91.0 64.7 97.1

174 94.6 73.0 109.6





#47

Bromodichloromethane

Concen: 22.126 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

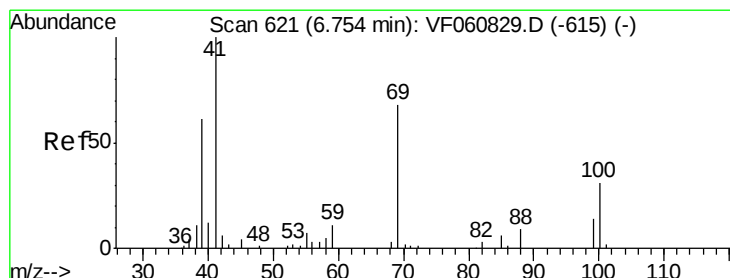
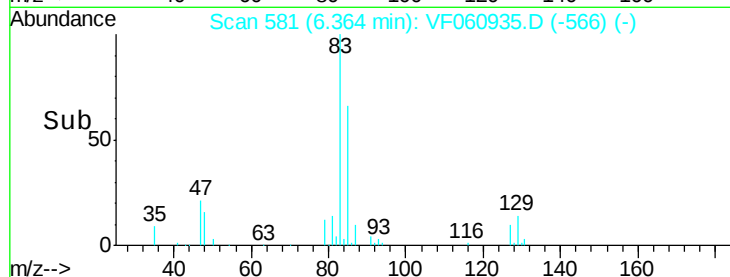
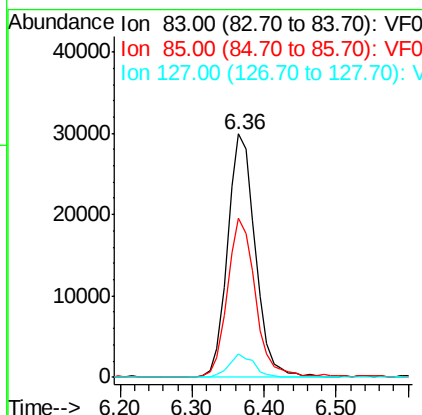
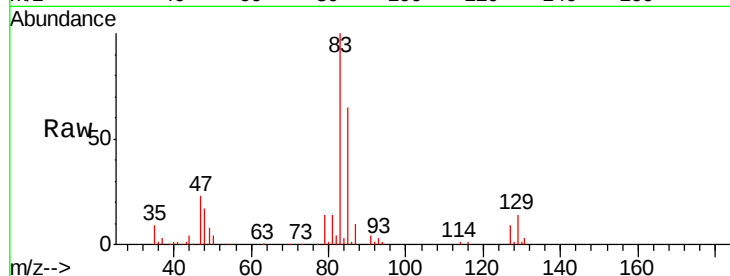
ClientSampleId :

VF1207SBS01

Tgt Ion:	83	Resp:	80063
Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.1	76.7
127	9.5	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.768 ug/l

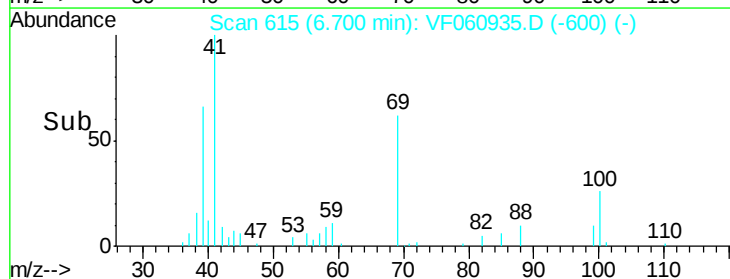
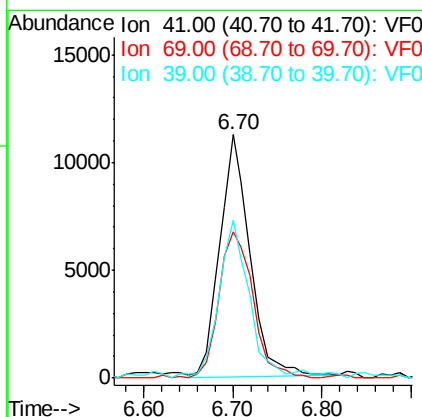
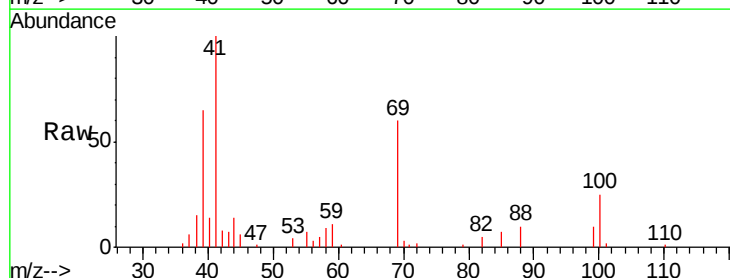
RT: 6.70 min Scan# 615

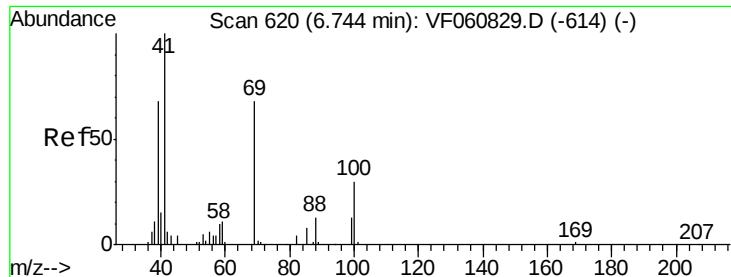
Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Tgt Ion:	41	Resp:	26740
Ion	Ratio	Lower	Upper
41	100		
69	60.3	53.9	80.9
39	64.7	49.0	73.6





#49

1,4-Dioxane

Concen: 410.472 ug/l

RT: 6.70 min Scan# 615

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

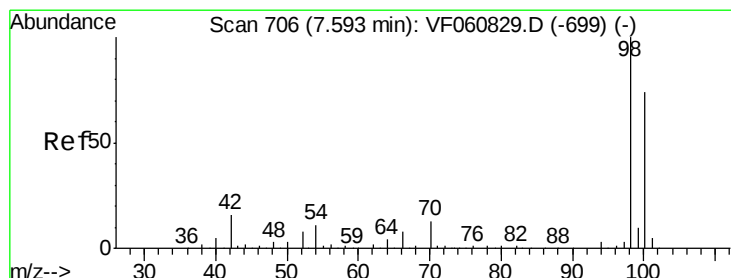
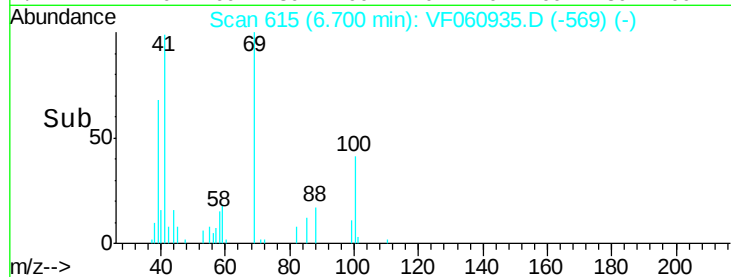
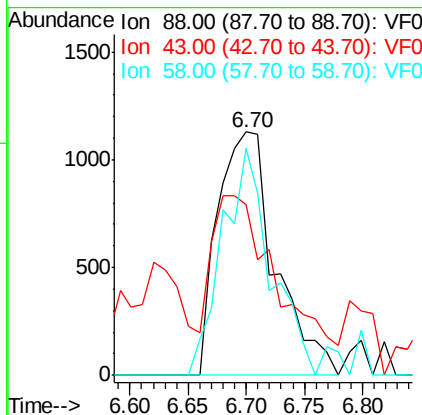
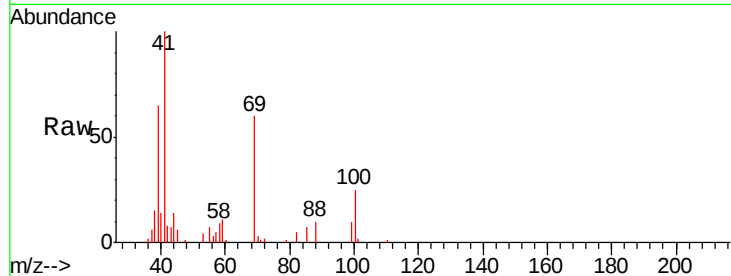
ClientSampleId :

VF1207SBS01

Tgt Ion:	88	Resp:	3868
Ion	Ratio	Lower	Upper
88	100		
43	70.1	42.0	63.0#
58	93.1	61.8	92.8#

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#50

Toluene-d8

Concen: 48.580 ug/l

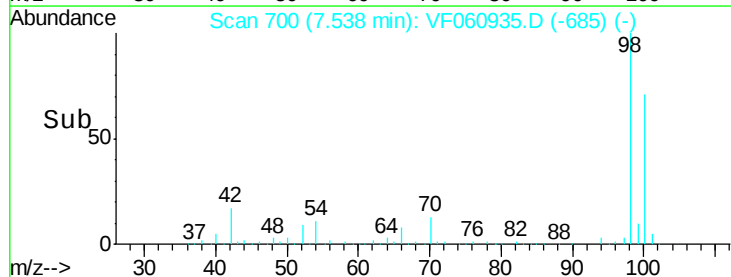
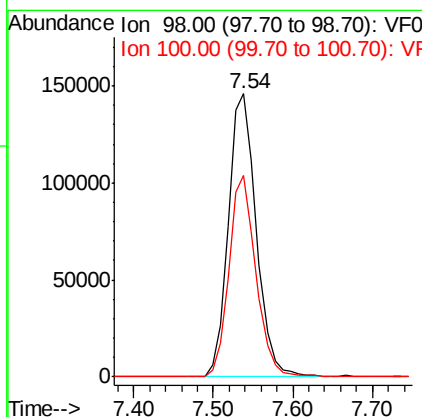
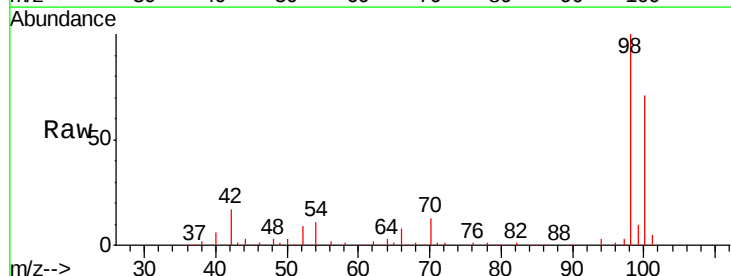
RT: 7.54 min Scan# 700

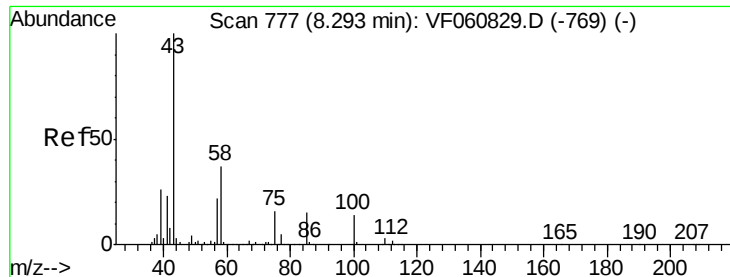
Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Tgt Ion:	98	Resp:	358272
Ion	Ratio	Lower	Upper
98	100		
100	71.1	59.3	88.9





#51

4-Methyl-2-Pentanone

Concen: 111.845 ug/l

RT: 8.24 min Scan# 771

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 43 Resp: 146710

Ion Ratio Lower Upper

43 100

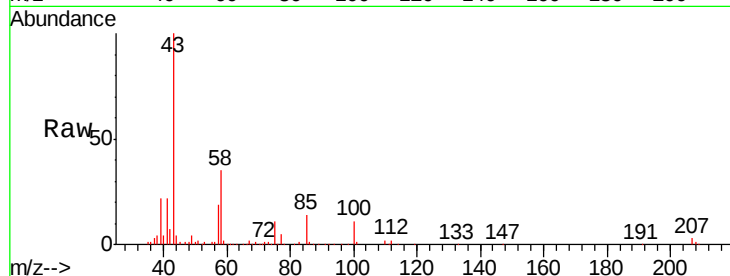
58 35.5 29.7 44.5

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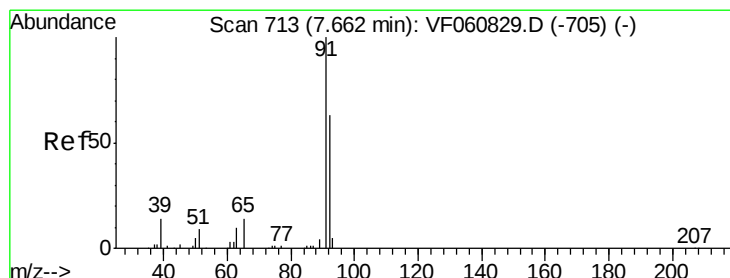
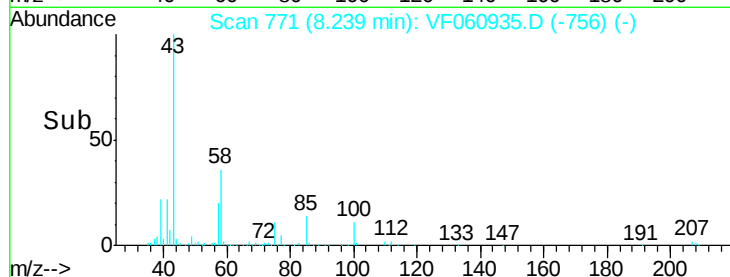
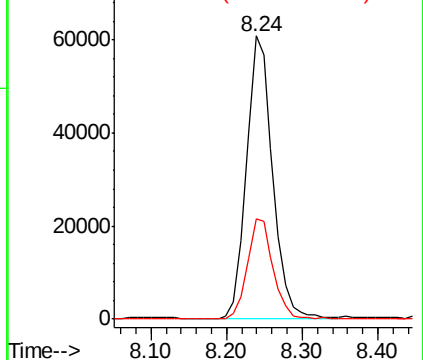
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.945 ug/l

RT: 7.61 min Scan# 707

Delta R.T. -0.05 min

Lab File: VF060935.D

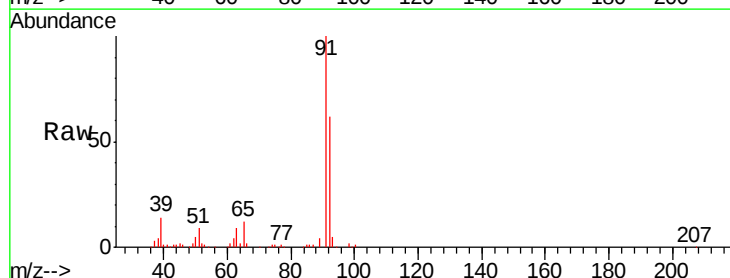
Acq: 7 Dec 2018 17:38

Tgt Ion: 92 Resp: 119202

Ion Ratio Lower Upper

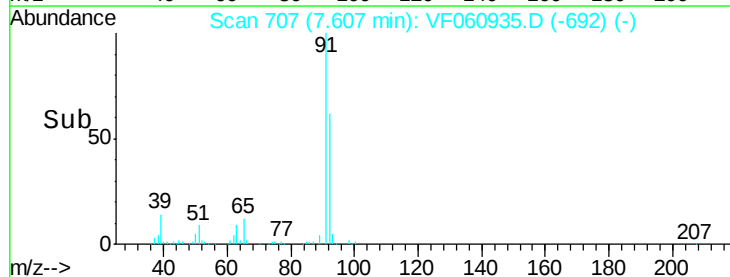
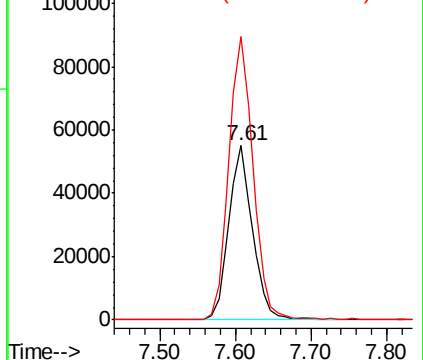
92 100

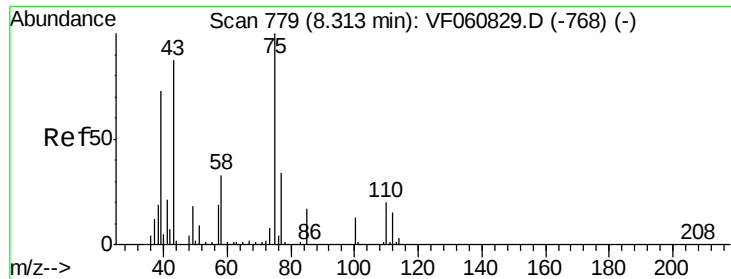
91 162.4 126.2 189.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 22.842 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 75 Resp: 67233

Ion Ratio Lower Upper

75 100

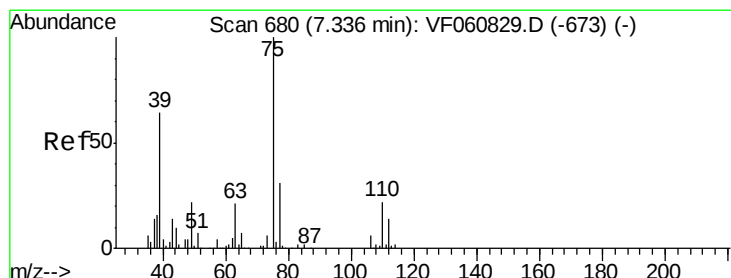
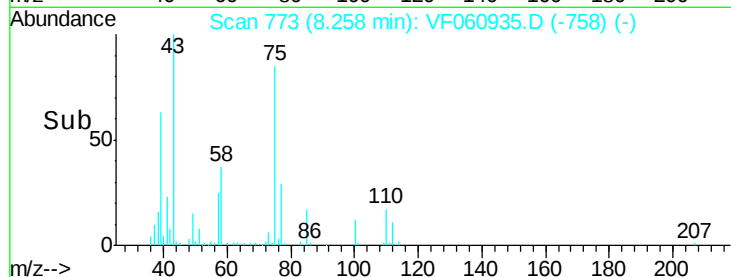
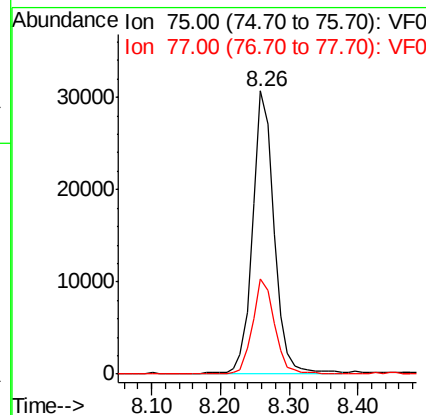
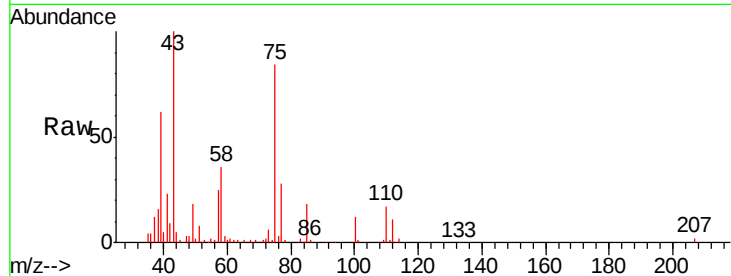
77 33.6 27.4 41.2

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#54

cis-1,3-Dichloropropene

Concen: 23.307 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

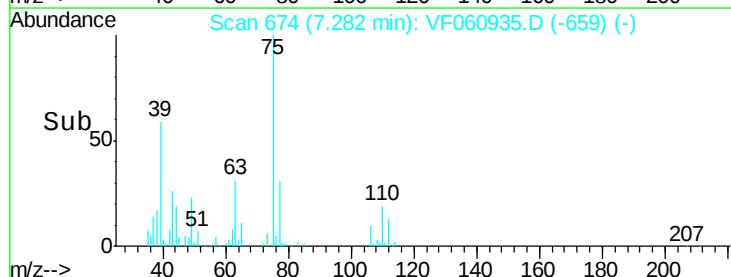
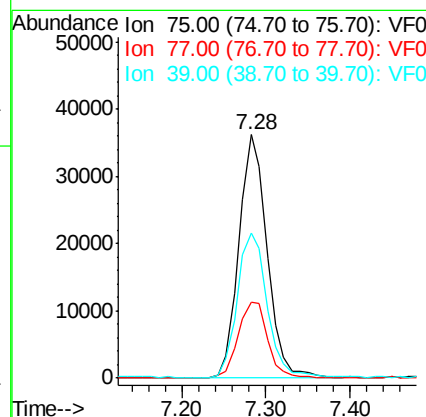
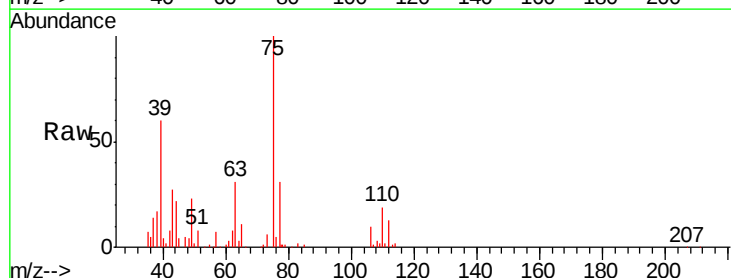
Tgt Ion: 75 Resp: 84925

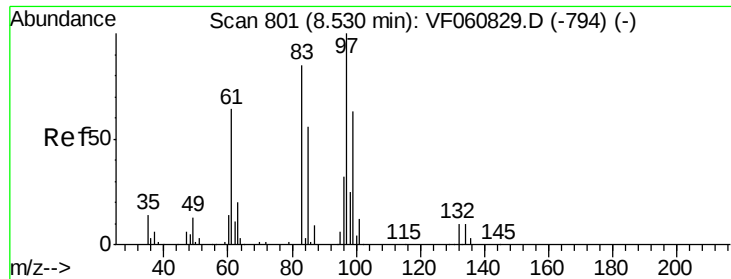
Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.6

39 59.7 51.1 76.7





#55

1,1,2-Trichloroethane

Concen: 23.006 ug/l

RT: 8.48 min Scan# 795

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

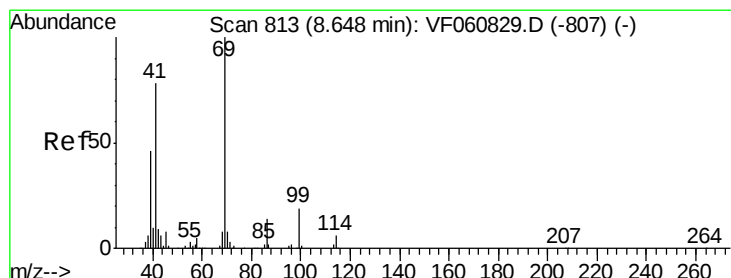
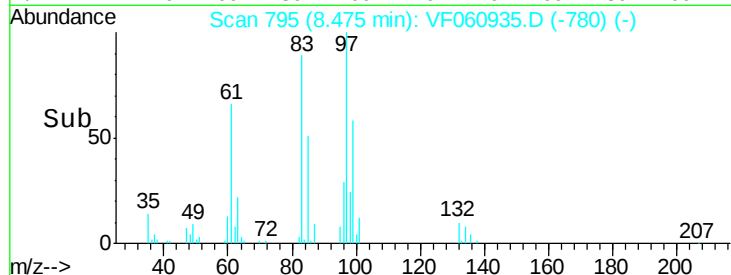
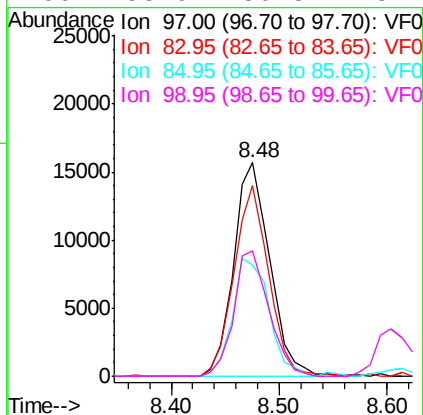
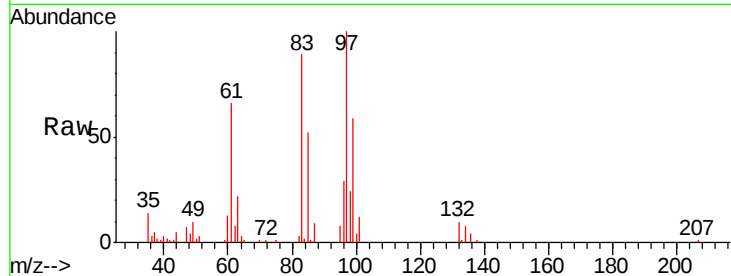
ClientSampleId :

VF1207SBS01

Tgt Ion:	97	Resp:	36413
Ion	Ratio	Lower	Upper
97	100		
83	89.4	67.8	101.6
85	52.1	45.0	67.6
99	58.9	50.5	75.7

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#56

Ethyl methacrylate

Concen: 22.323 ug/l

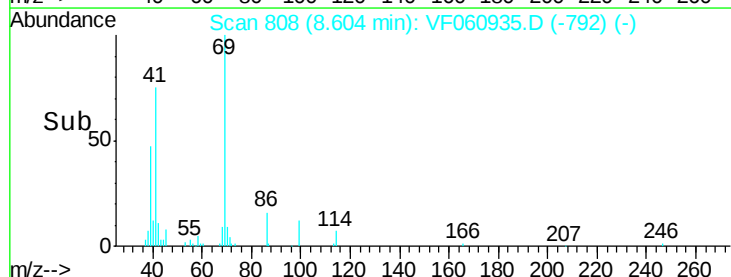
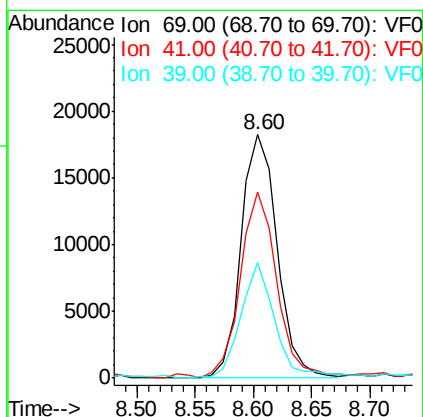
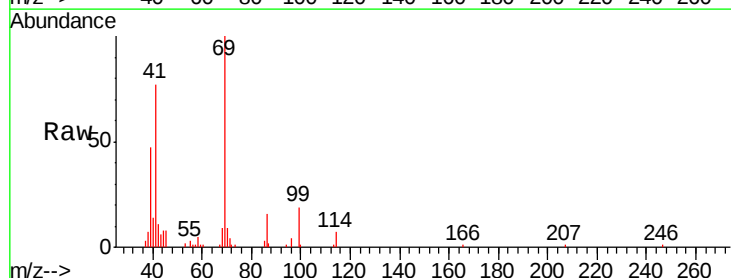
RT: 8.60 min Scan# 808

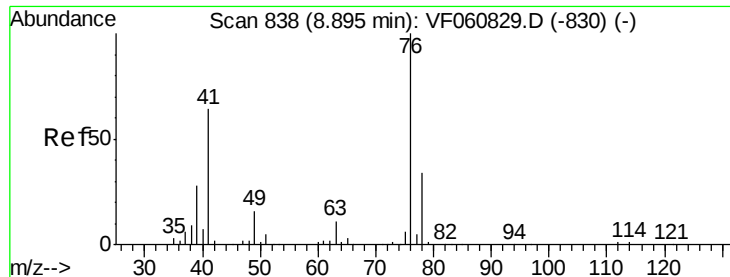
Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Tgt Ion:	69	Resp:	39249
Ion	Ratio	Lower	Upper
69	100		
41	76.5	62.6	94.0
39	47.4	37.8	56.6





#57

1,3-Dichloropropane

Concen: 23.102 ug/l

RT: 8.84 min Scan# 832

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 76 Resp: 63971

Ion Ratio Lower Upper

76 100

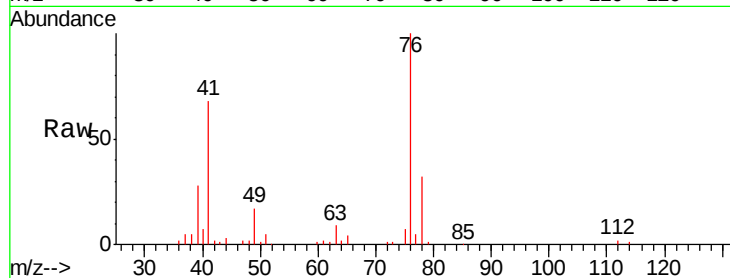
78 31.9 27.0 40.4

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

30000

25000

20000

15000

10000

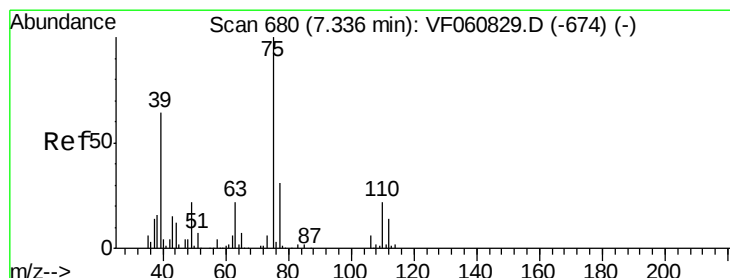
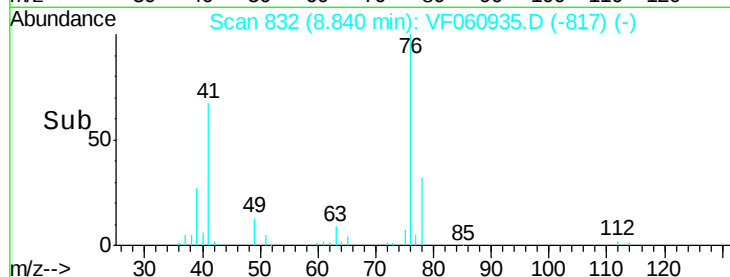
5000

0

8.80

8.90

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 150.916 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.05 min

Lab File: VF060935.D

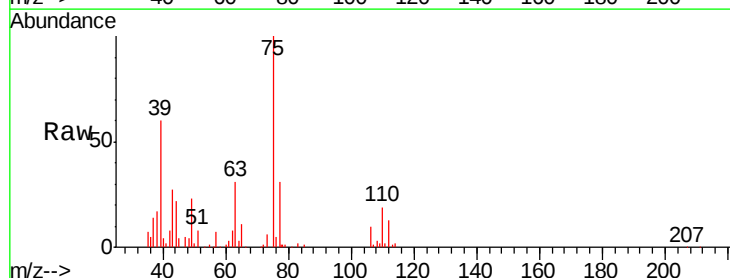
Acq: 7 Dec 2018 17:38

Tgt Ion: 63 Resp: 27141

Ion Ratio Lower Upper

63 100

106 30.4 23.0 34.6



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

12000

10000

8000

6000

4000

2000

0

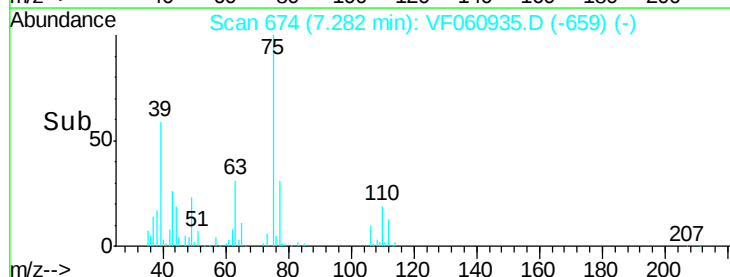
7.20

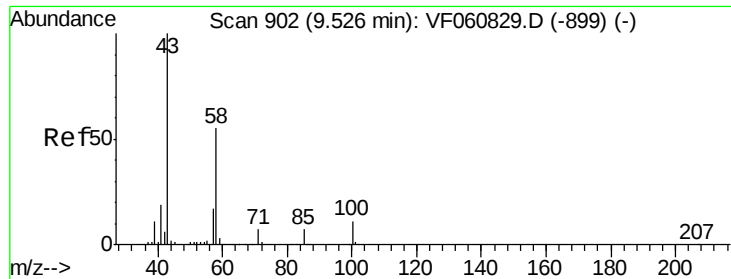
7.25

7.30

7.35

Time-->





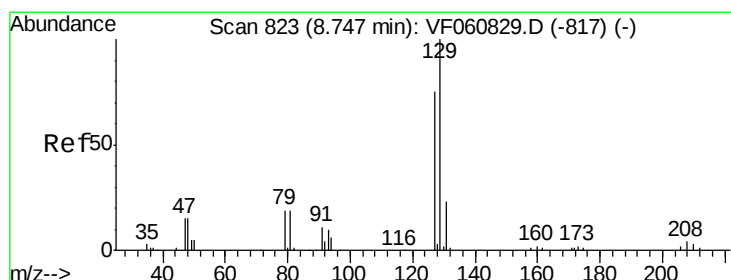
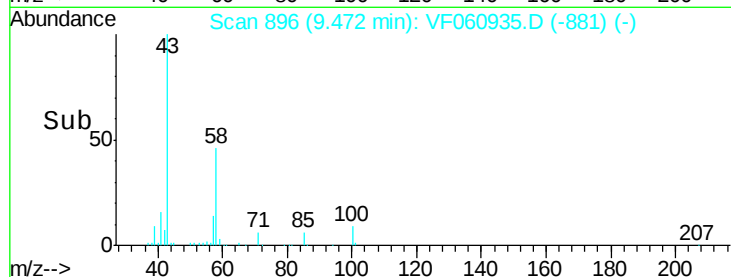
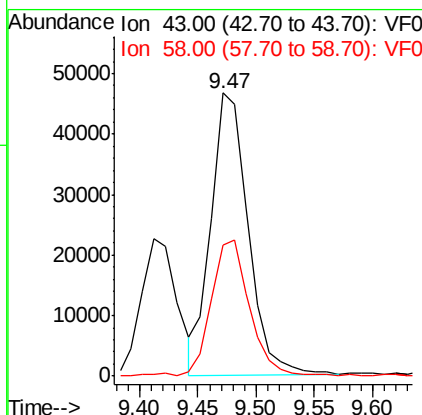
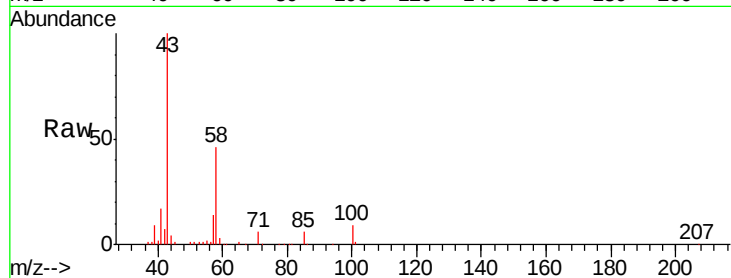
#59
2-Hexanone
Concen: 112.418 ug/l
RT: 9.47 min Scan# 896
Delta R.T. -0.05 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion: 43 Resp: 103453
Ion Ratio Lower Upper
43 100
58 46.3 25.6 76.6

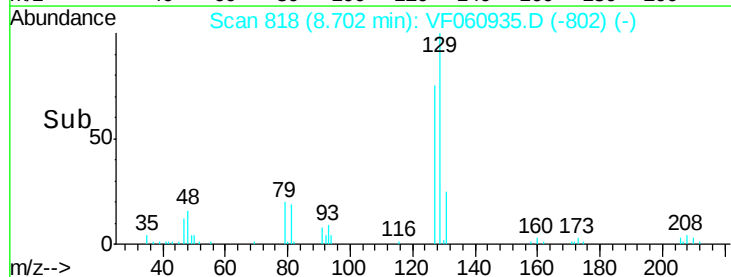
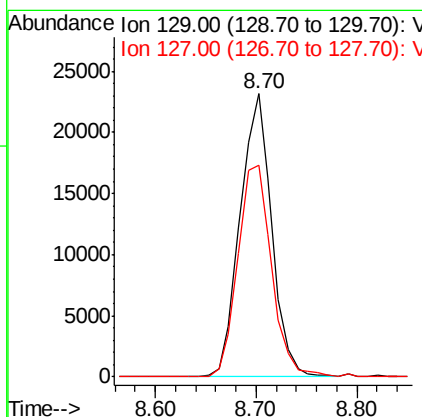
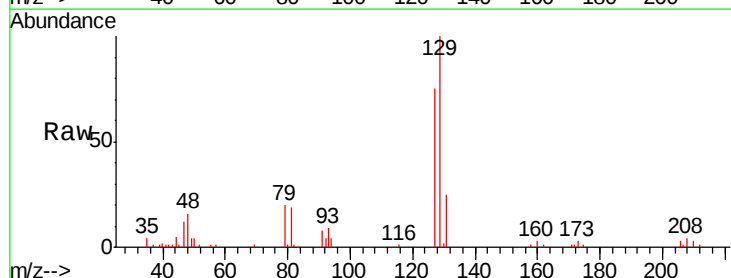
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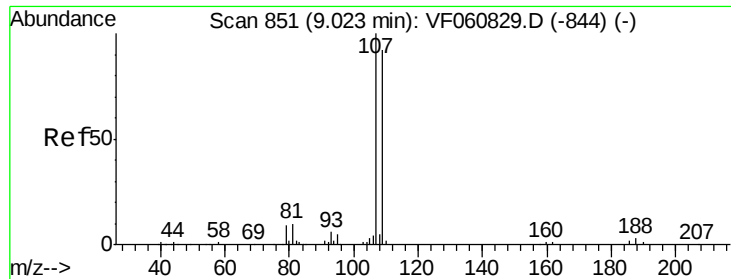
apatel
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#60
Dibromochloromethane
Concen: 21.474 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.04 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Tgt Ion: 129 Resp: 50641
Ion Ratio Lower Upper
129 100
127 74.7 37.3 111.9





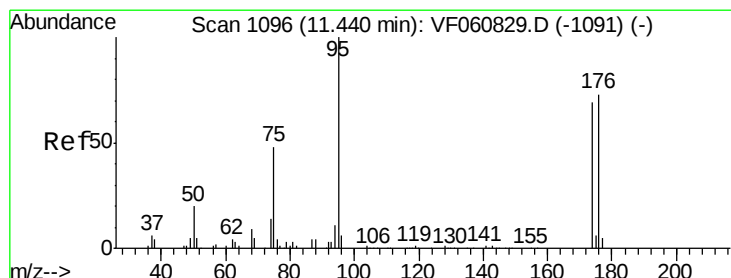
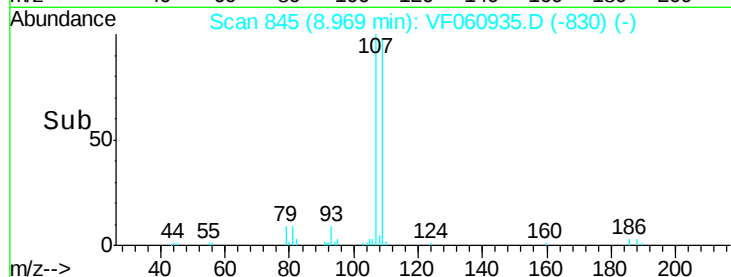
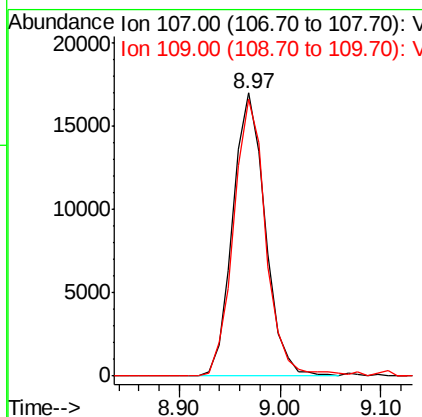
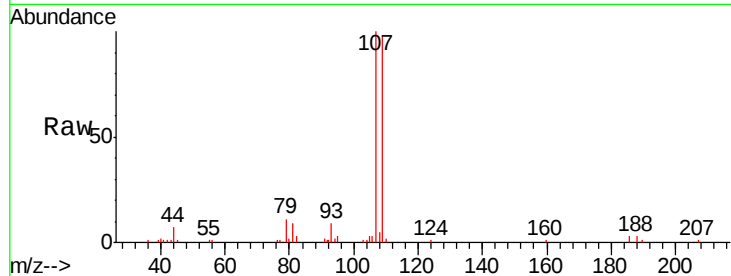
#61
1,2-Dibromoethane
Concen: 22.327 ug/l
RT: 8.97 min Scan# 845
Delta R.T. -0.05 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion: 107 Resp: 38175
Ion Ratio Lower Upper
107 100
109 98.0 73.6 110.4

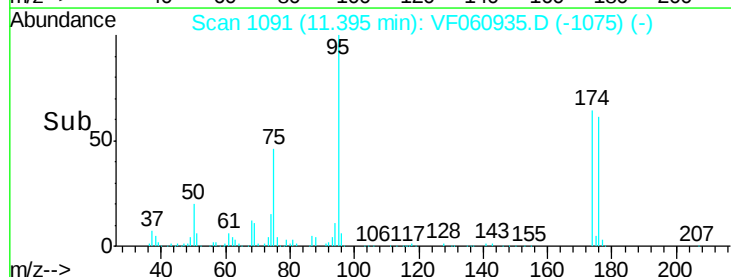
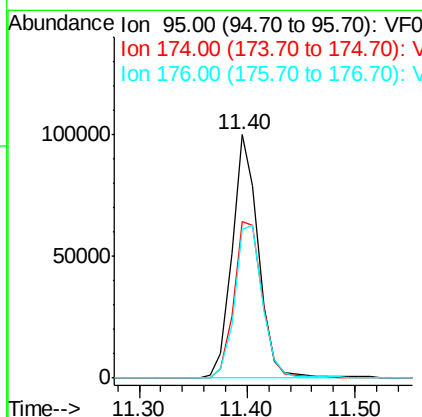
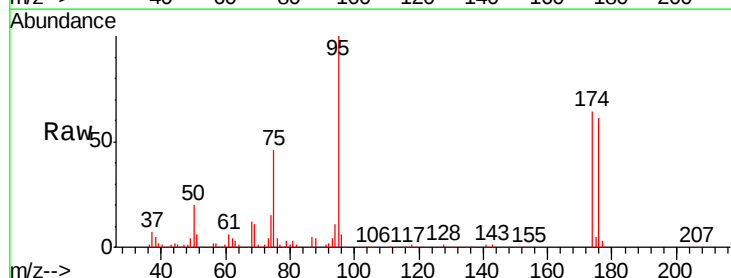
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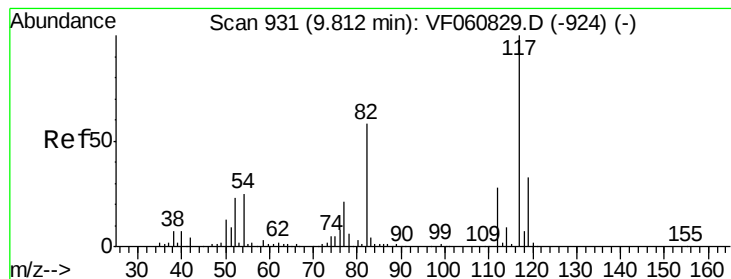
apatel
12/10/2018 4:38:01 PM



#62
4-Bromofluorobenzene
Concen: 50.491 ug/l
RT: 11.40 min Scan# 1091
Delta R.T. -0.04 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Tgt Ion: 95 Resp: 169234
Ion Ratio Lower Upper
95 100
174 64.4 0.0 138.2
176 61.0 0.0 146.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.76 min Scan# 925

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

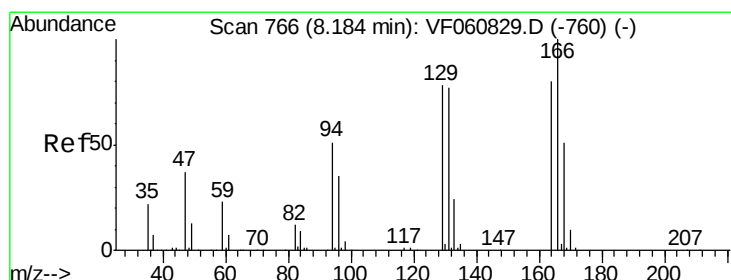
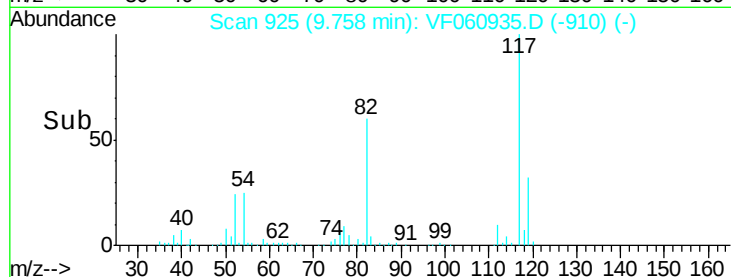
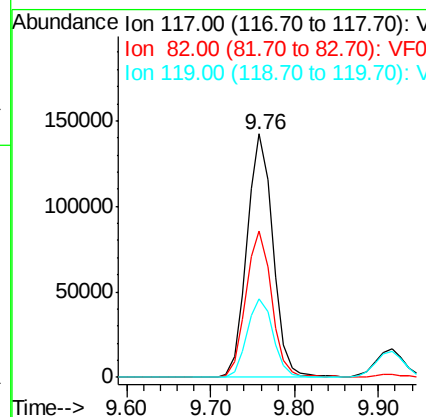
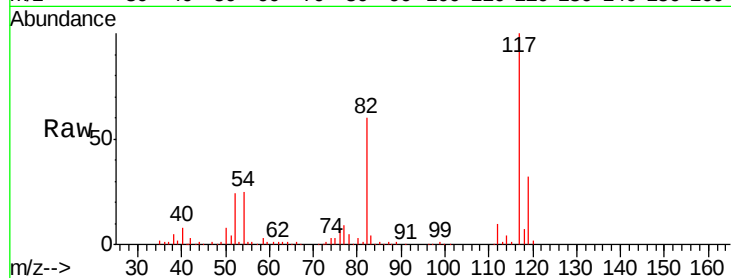
ClientSampleId :

VF1207SBS01

Tgt Ion:	117	Resp:	308698
Ion Ratio	Lower	Upper	
117	100		
82	60.2	46.6	69.8
119	32.1	26.4	39.6

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#64

Tetrachloroethene

Concen: 19.741 ug/l

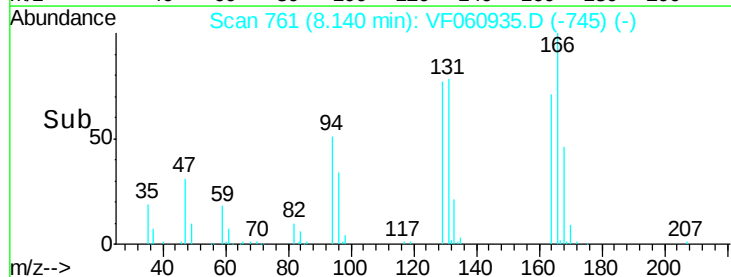
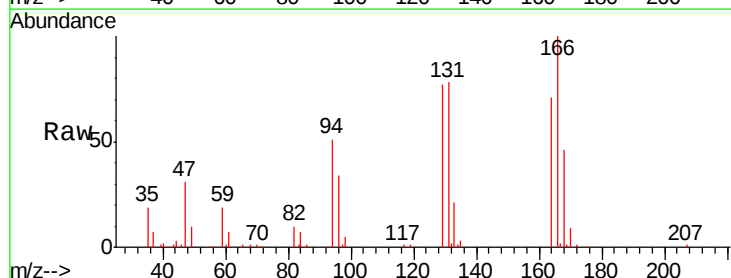
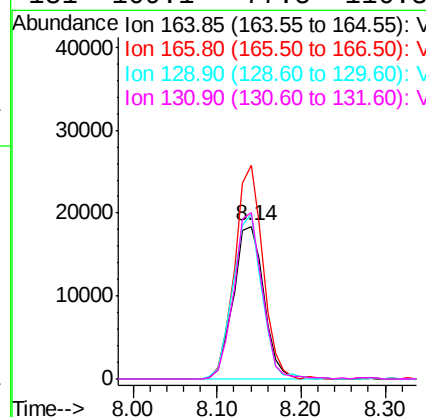
RT: 8.14 min Scan# 761

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Tgt Ion:	164	Resp:	46545
Ion Ratio	Lower	Upper	
164	100		
166	140.0	100.3	150.5
129	108.2	77.9	116.9
131	109.1	77.5	116.3





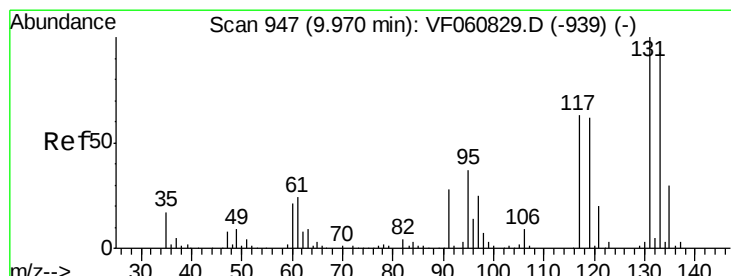
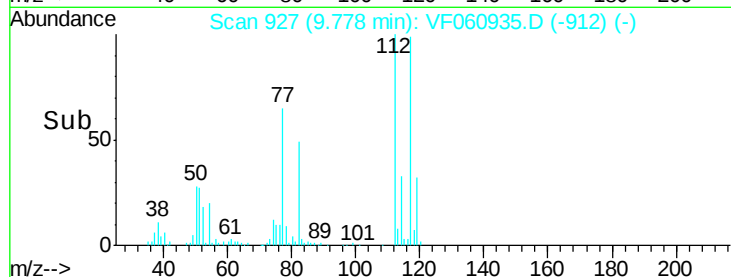
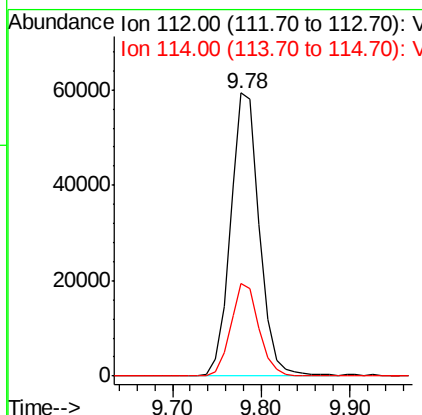
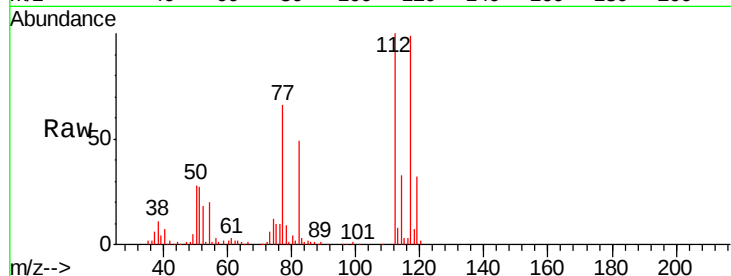
#65
Chlorobenzene
Concen: 22.372 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.05 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion:112 Resp: 134354
Ion Ratio Lower Upper
112 100
114 32.6 26.0 39.0

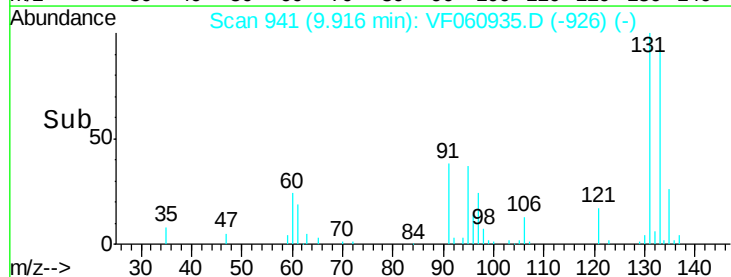
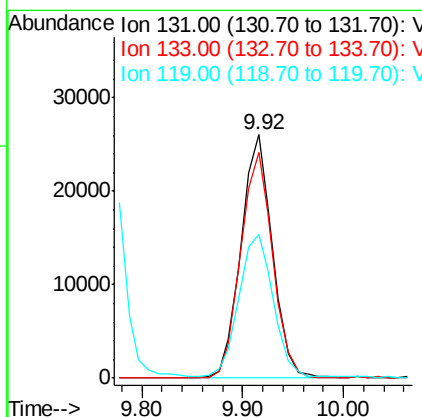
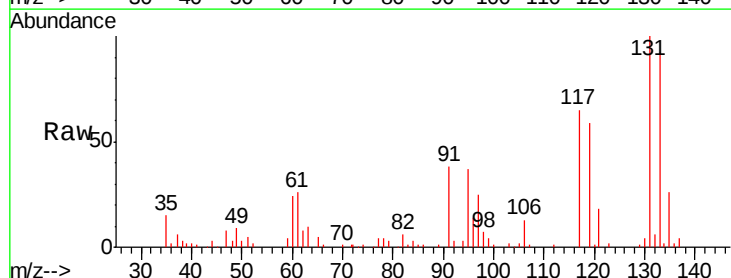
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.889 ug/l
RT: 9.92 min Scan# 941
Delta R.T. -0.05 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Tgt Ion:131 Resp: 56511
Ion Ratio Lower Upper
131 100
133 92.5 46.5 139.3
119 59.1 31.1 93.3





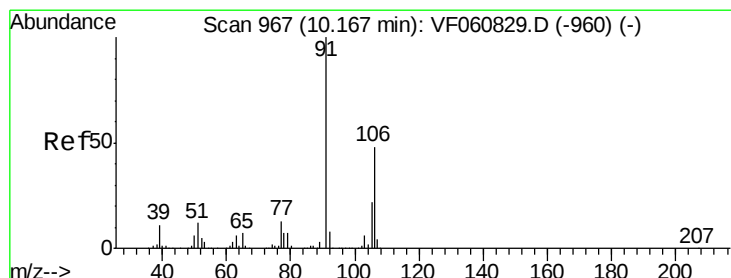
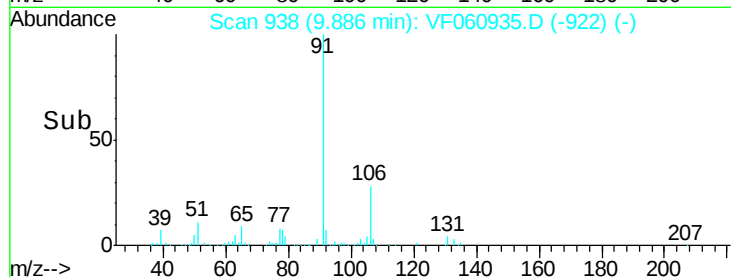
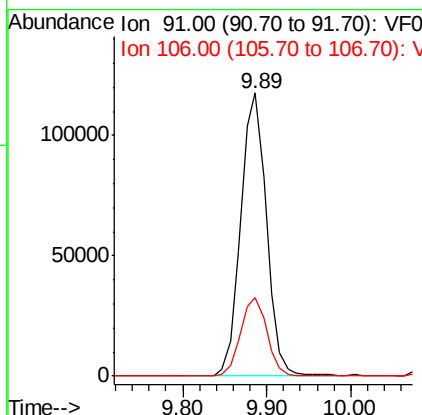
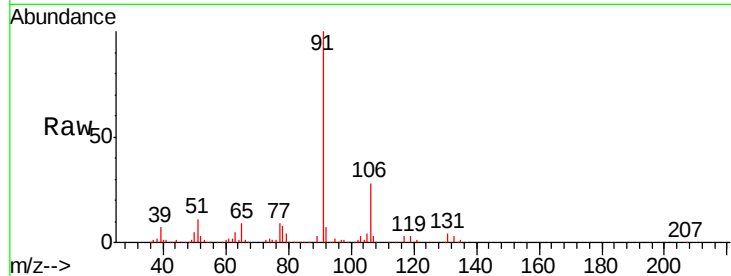
#67
Ethyl Benzene
Concen: 22.494 ug/l
RT: 9.89 min Scan# 938
Delta R.T. -0.04 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion: 91 Resp: 251492
Ion Ratio Lower Upper
91 100
106 27.9 22.2 33.2

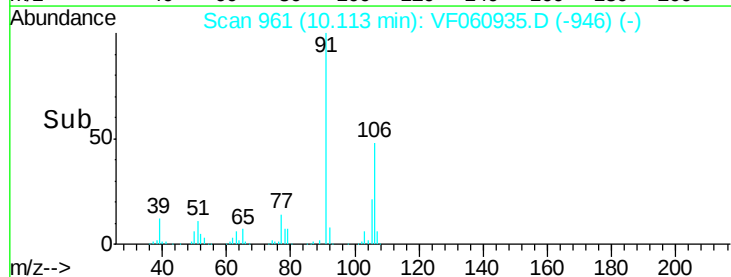
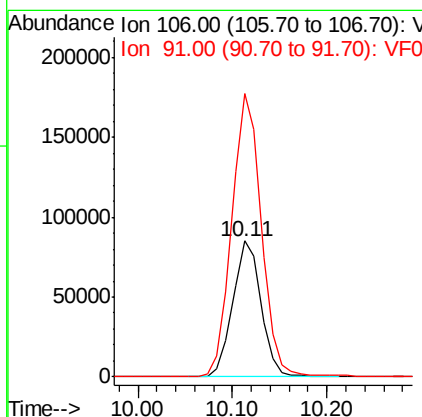
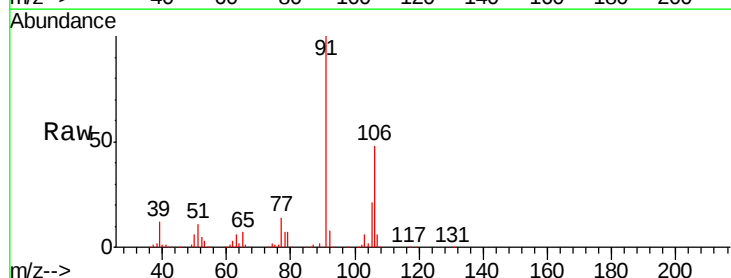
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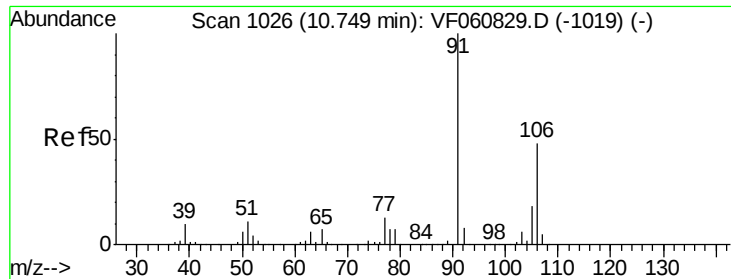
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#68
m/p-Xylenes
Concen: 43.943 ug/l
RT: 10.11 min Scan# 961
Delta R.T. -0.05 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Tgt Ion: 106 Resp: 176697
Ion Ratio Lower Upper
106 100
91 208.2 166.7 250.1





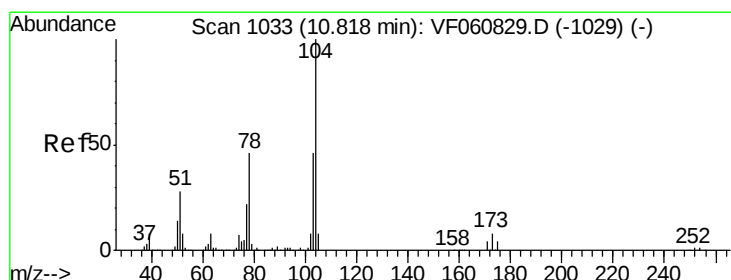
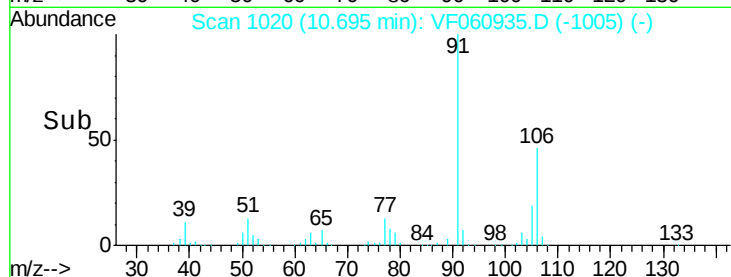
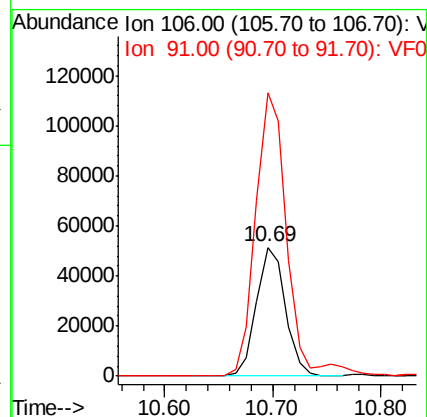
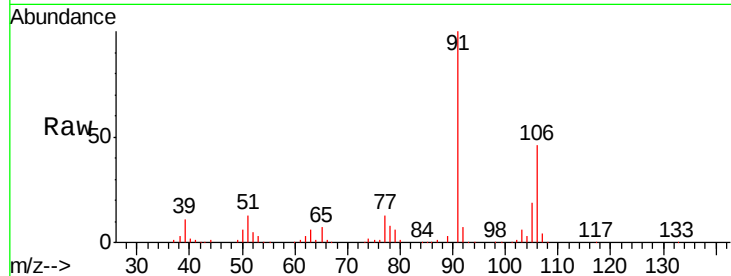
#69
o-Xylene
Concen: 21.748 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.05 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion:106 Resp: 96433
Ion Ratio Lower Upper
106 100
91 219.3 104.8 314.6

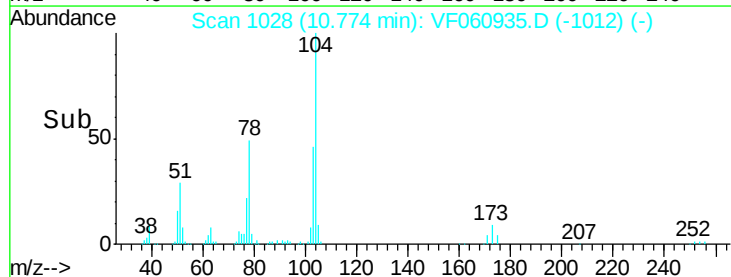
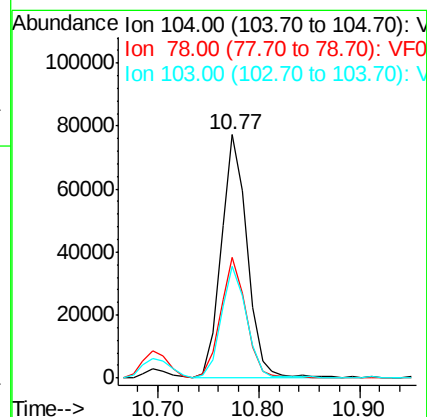
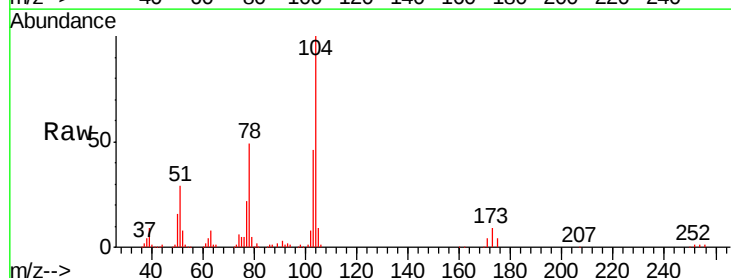
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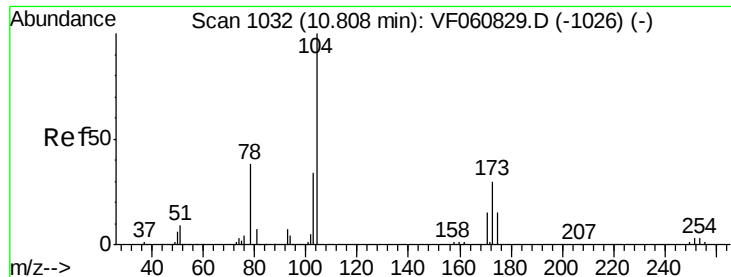
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#70
Styrene
Concen: 22.400 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.04 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Tgt Ion:104 Resp: 137684
Ion Ratio Lower Upper
104 100
78 49.5 37.3 55.9
103 45.8 36.8 55.2





#71

Bromoform

Concen: 20.549 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.05 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

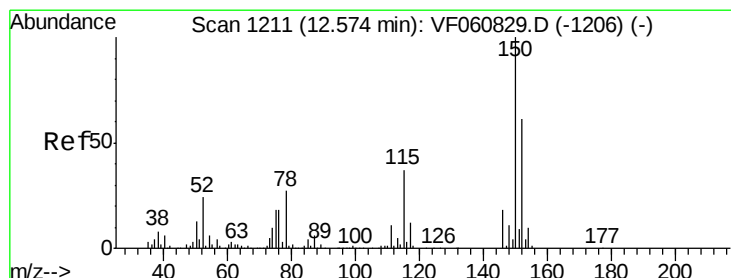
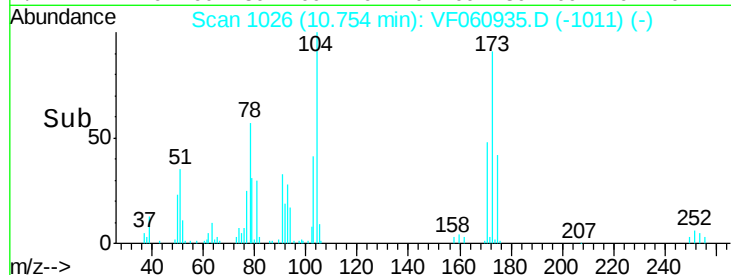
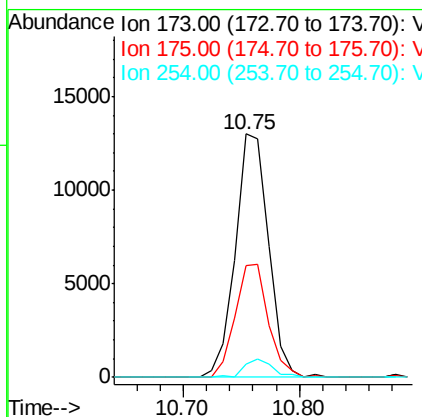
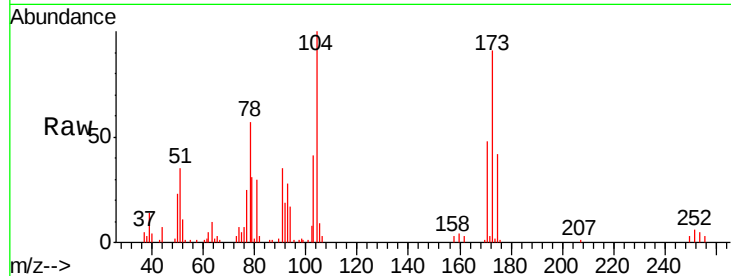
ClientSampleId :

VF1207SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	25625		
175	46.8	25.5	76.5	
254	5.3	7.5	11.3	

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

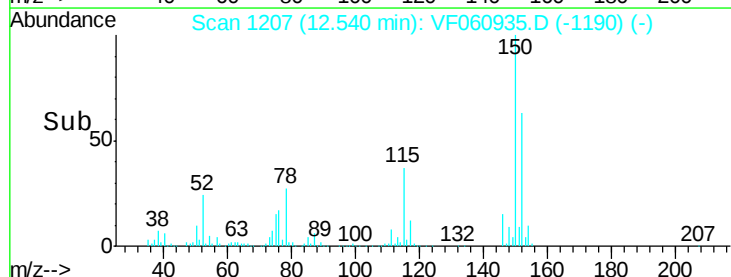
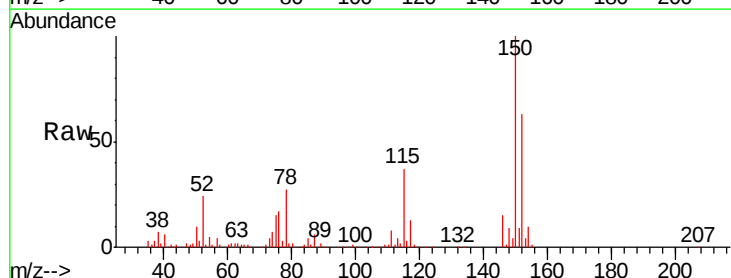
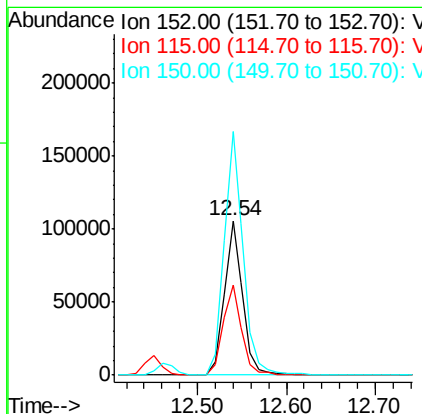
RT: 12.54 min Scan# 1207

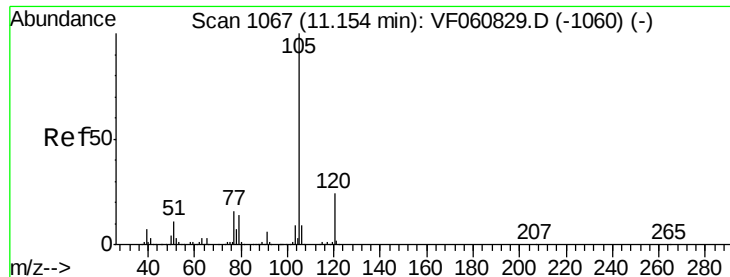
Delta R.T. -0.03 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	154247		
115	58.7	30.1	90.5	
150	157.5	0.0	327.6	





#73

Isopropylbenzene

Concen: 23.839 ug/l

RT: 11.11 min Scan# 1062

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 105 Resp: 290581

Ion Ratio Lower Upper

105 100

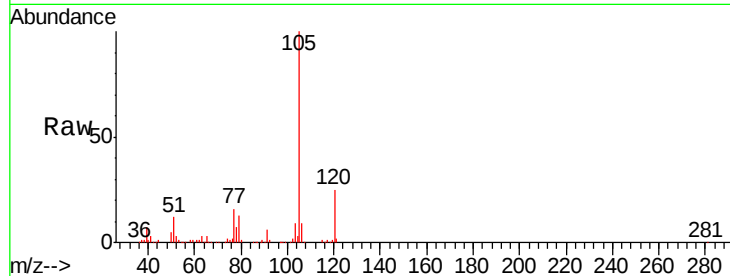
120 24.7 12.2 36.4

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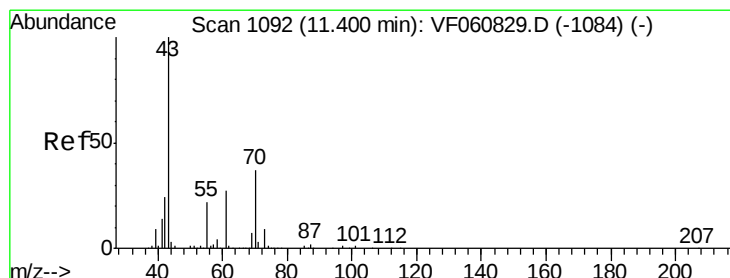
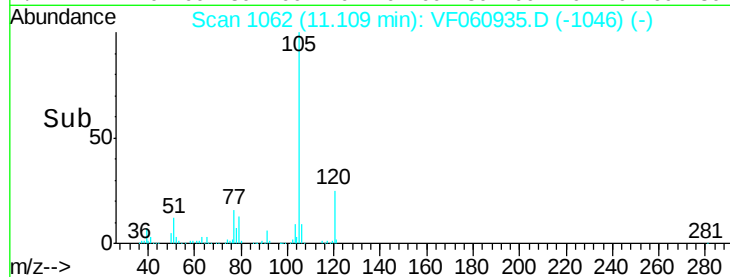
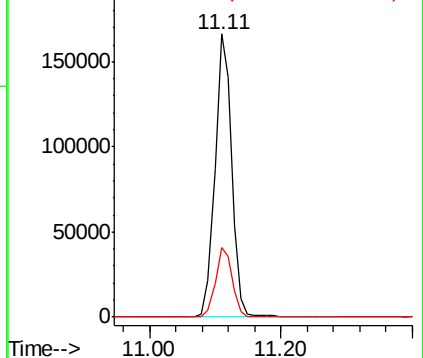
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.056 ug/l

RT: 11.36 min Scan# 1087

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Tgt Ion: 43 Resp: 64896

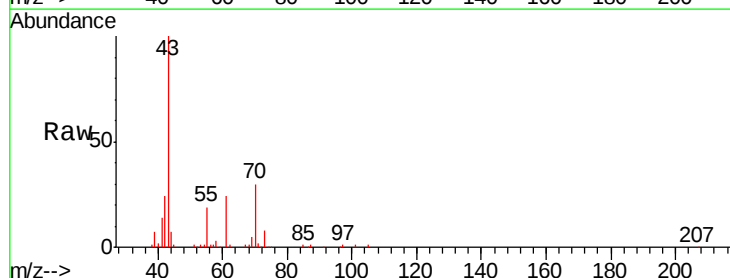
Ion Ratio Lower Upper

43 100

70 30.4 29.6 44.4

55 18.9 17.2 25.8

61 23.6 21.8 32.6

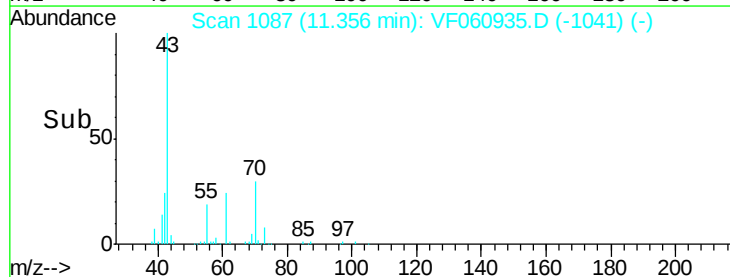
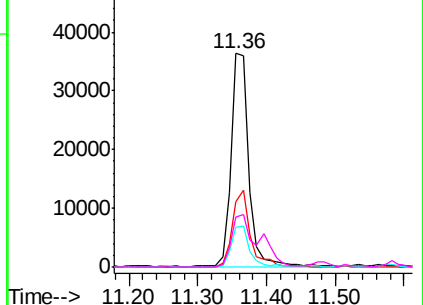


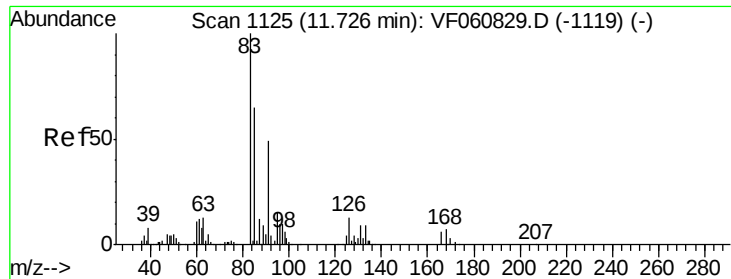
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 24.392 ug/l

RT: 11.68 min Scan# 1120

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

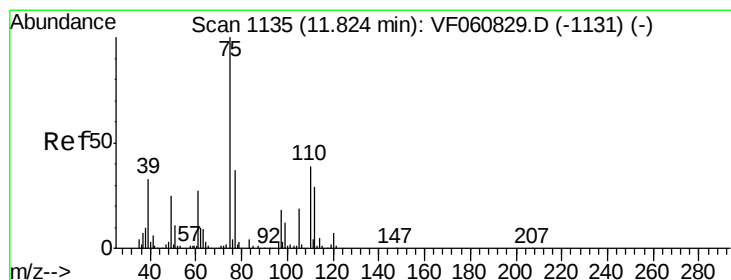
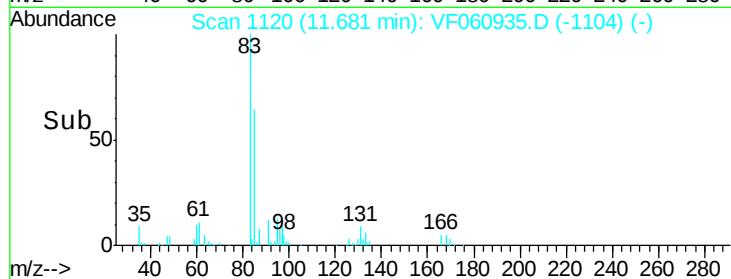
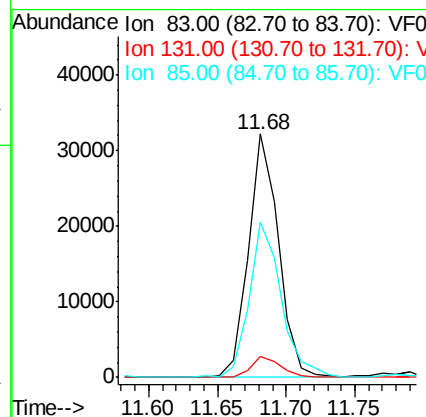
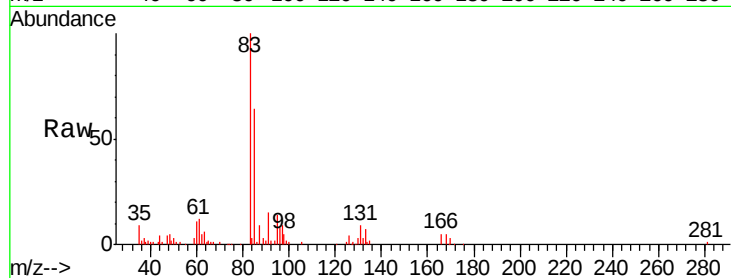
ClientSampleId :

VF1207SBS01

Tgt Ion:	83	Resp:	48934
Ion Ratio	Lower	Upper	
83	100		
131	8.8	4.7	14.1
85	63.6	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 25.843 ug/l m

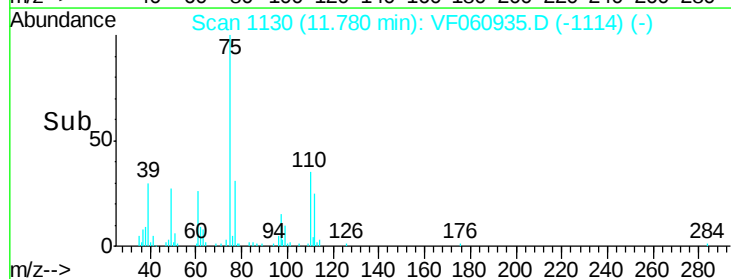
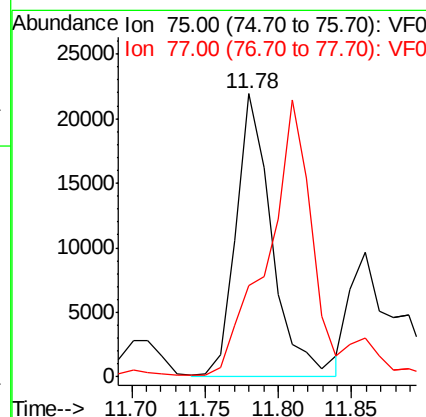
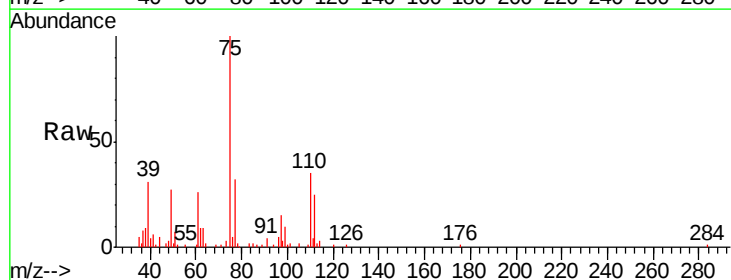
RT: 11.78 min Scan# 1130

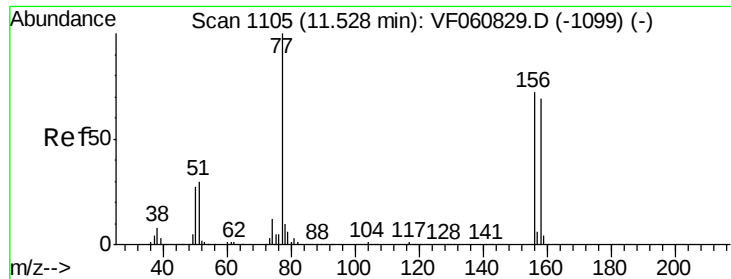
Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Tgt Ion:	75	Resp:	37684
Ion Ratio	Lower	Upper	
75	100		
77	32.2	18.4	55.4





#77

Bromobenzene

Concen: 22.680 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.04 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

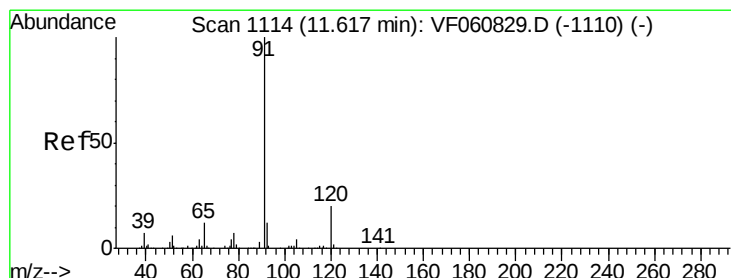
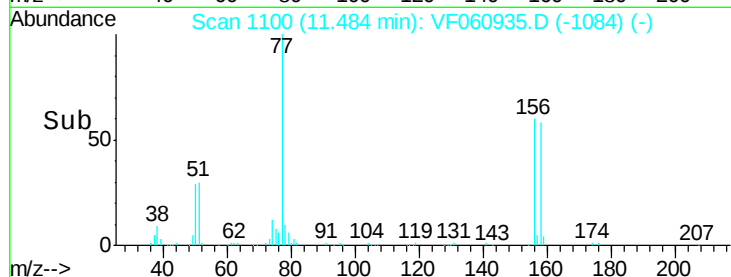
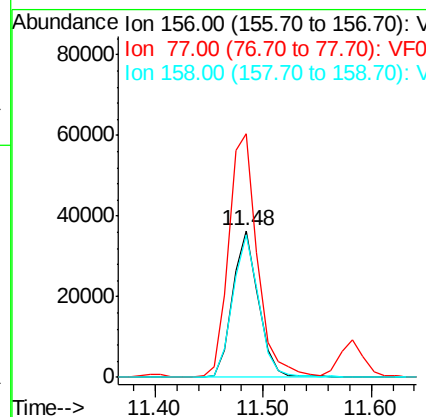
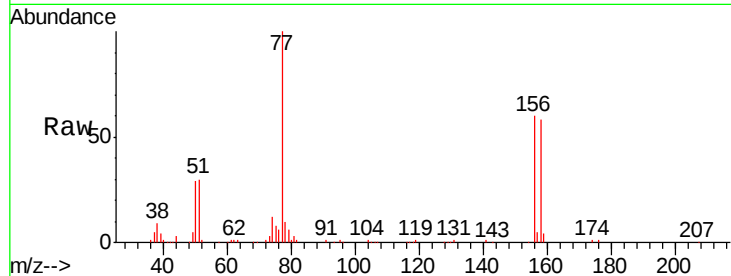
ClientSampleId :

VF1207SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	165.8	69.7	209.0
158	96.7	47.8	143.4

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#78

n-propylbenzene

Concen: 24.137 ug/l

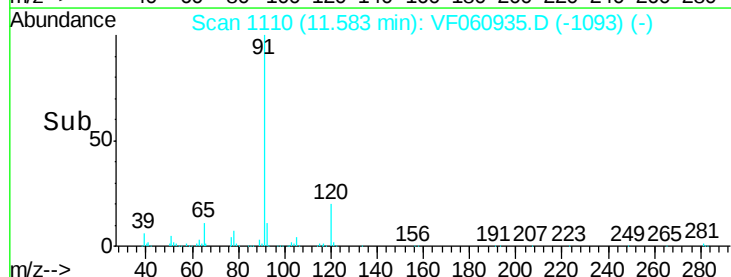
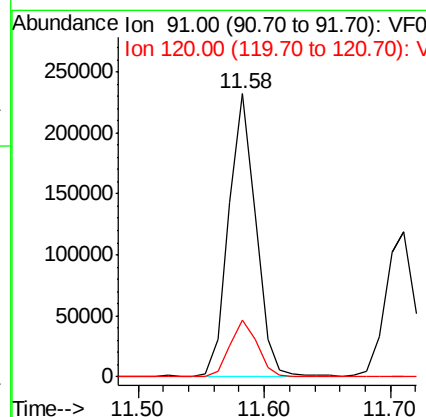
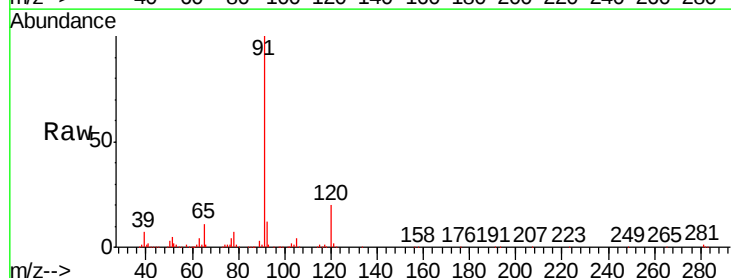
RT: 11.58 min Scan# 1110

Delta R.T. -0.03 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.1	10.3	30.8





#79

2-Chlorotoluene

Concen: 23.160 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.03 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

ClientSampleId :

VF1207SBS01

Tgt Ion: 91 Resp: 189564

Ion Ratio Lower Upper

91 100

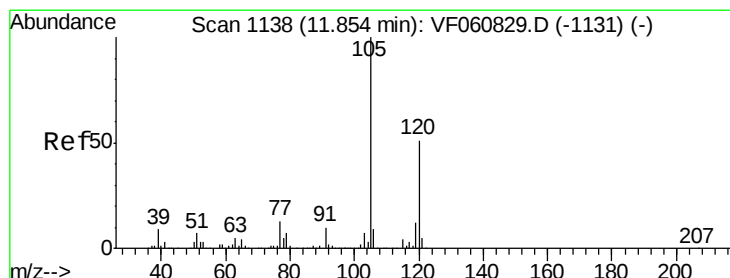
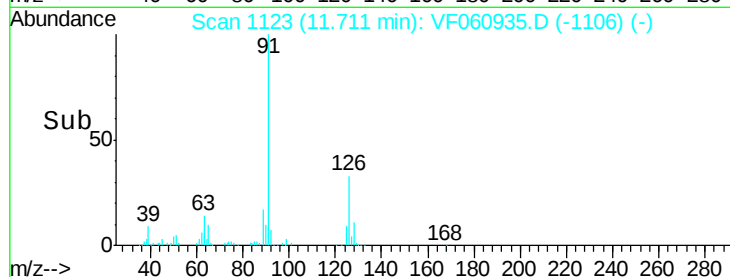
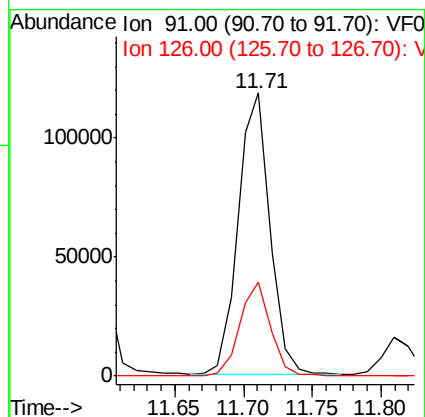
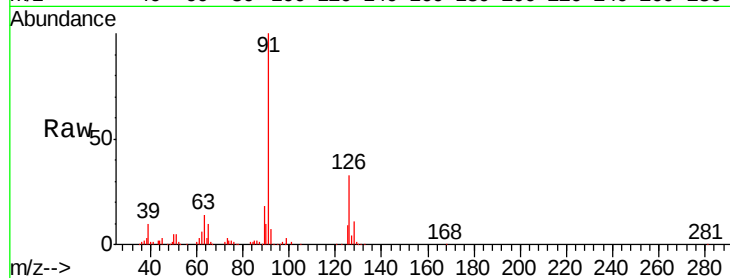
126 33.3 15.9 47.6

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#80

1,3,5-Trimethylbenzene

Concen: 23.491 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. -0.04 min

Lab File: VF060935.D

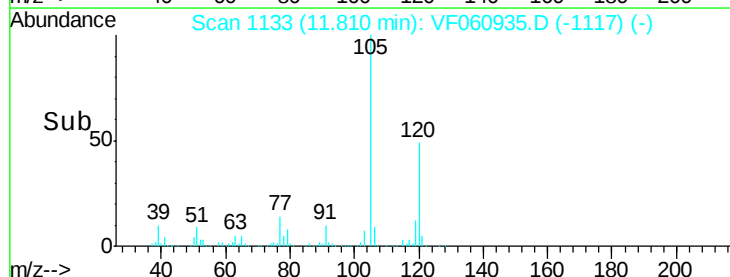
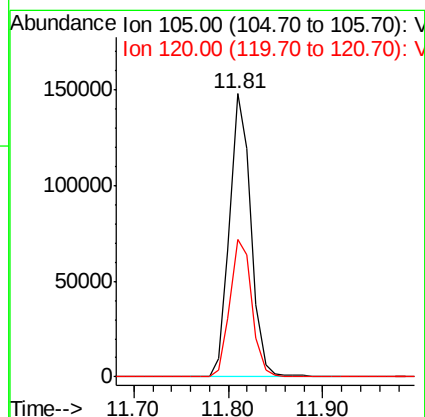
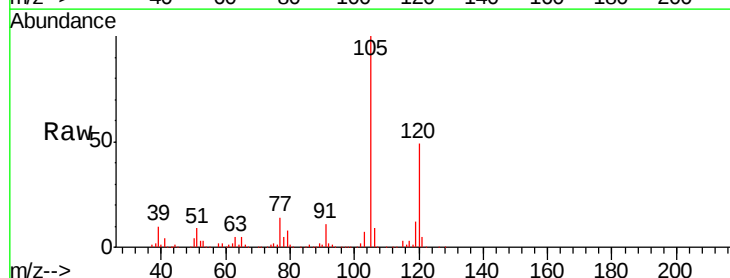
Acq: 7 Dec 2018 17:38

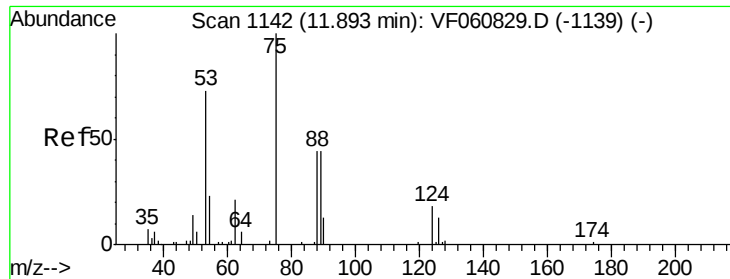
Tgt Ion: 105 Resp: 232455

Ion Ratio Lower Upper

105 100

120 48.6 25.8 77.3





#81

trans-1,4-Dichloro-2-butene

Concen: 22.974 ug/l m

RT: 11.86 min Scan# 1138

Delta R.T. -0.03 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Instrument :

MSVOA_F

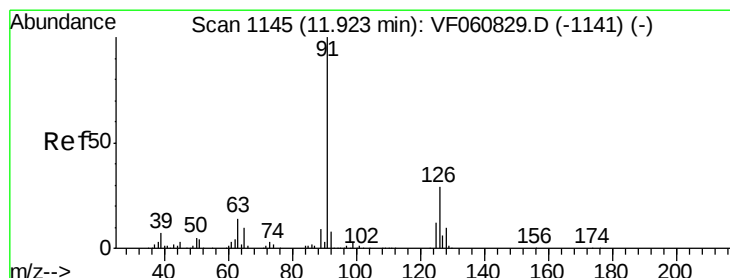
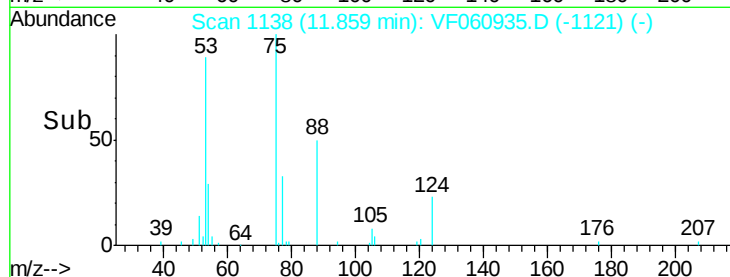
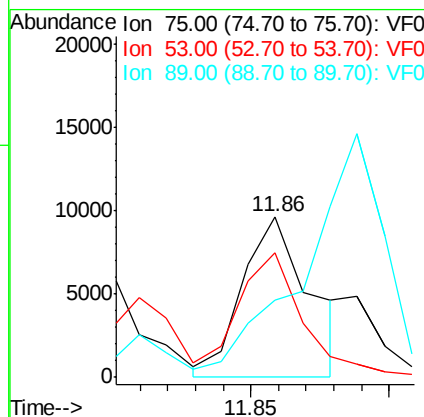
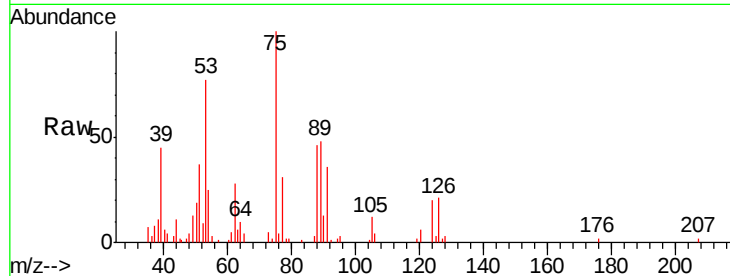
ClientSampleId :

VF1207SBS01

Tgt Ion:	75	Resp:	16414
Ion	Ratio	Lower	Upper
75	100		
53	77.1	65.9	98.9
89	47.9	38.8	58.2

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#82

4-Chlorotoluene

Concen: 23.016 ug/l

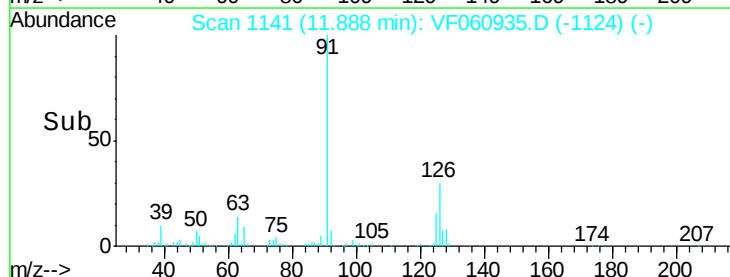
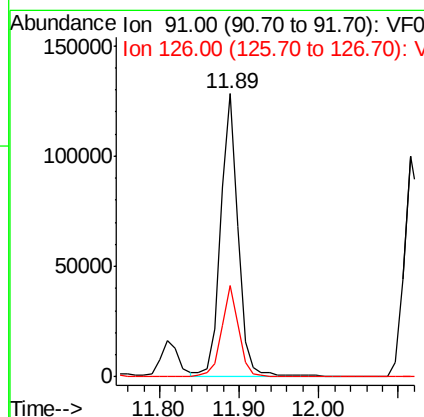
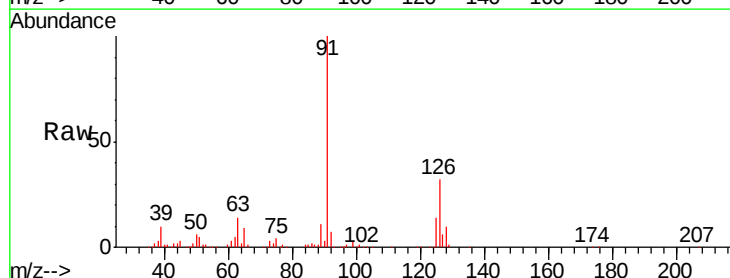
RT: 11.89 min Scan# 1141

Delta R.T. -0.03 min

Lab File: VF060935.D

Acq: 7 Dec 2018 17:38

Tgt Ion:	91	Resp:	198249
Ion	Ratio	Lower	Upper
91	100		
126	32.2	14.8	44.4





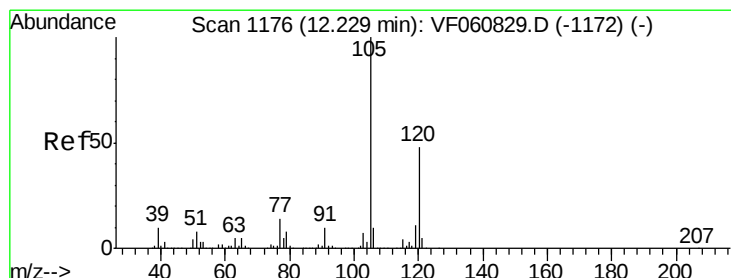
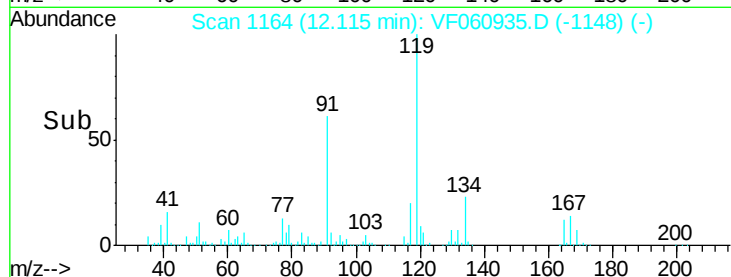
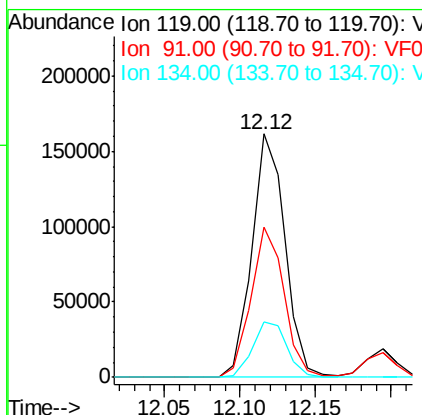
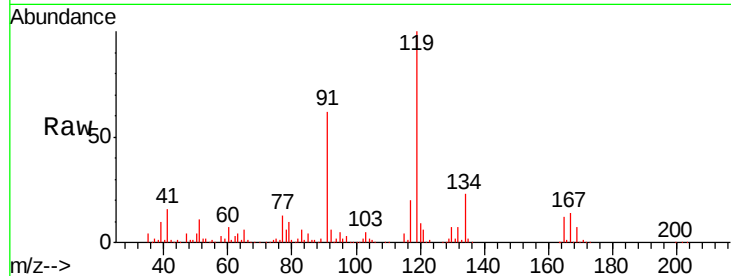
#83
 tert-Butylbenzene
 Concen: 24.575 ug/l
 RT: 12.12 min Scan# 1164
 Delta R.T. -0.04 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	247713		
91	61.9	30.1	90.3	
134	22.6	12.6	37.8	

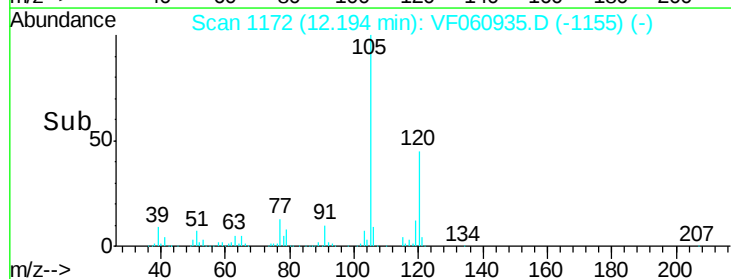
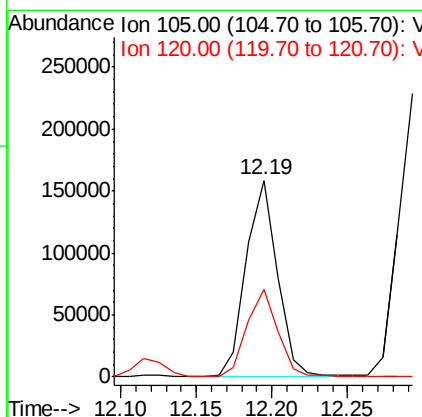
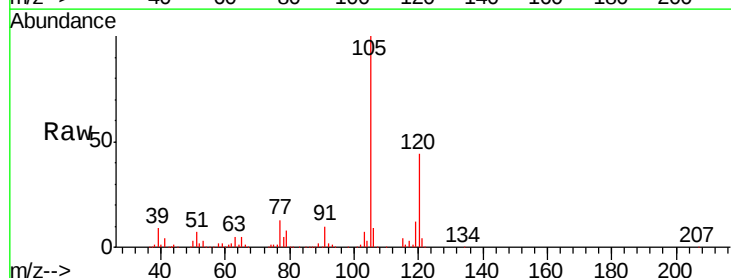
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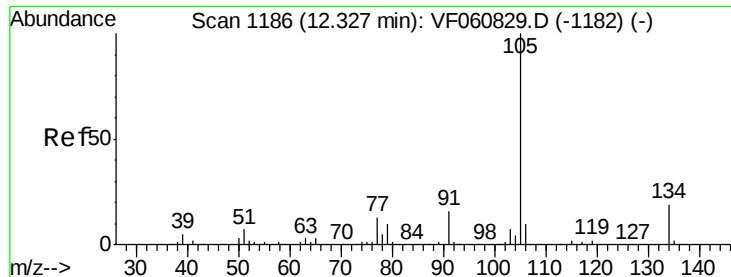
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.272 ug/l
 RT: 12.19 min Scan# 1172
 Delta R.T. -0.03 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	229832		
120	44.5	23.8	71.5	





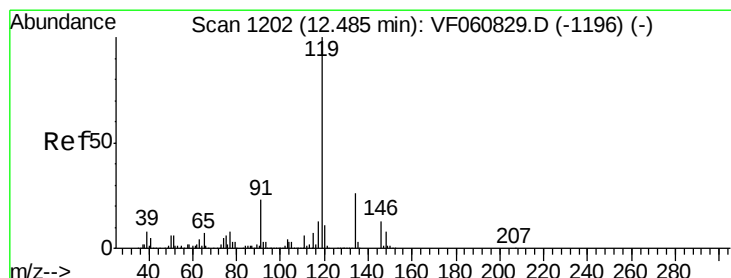
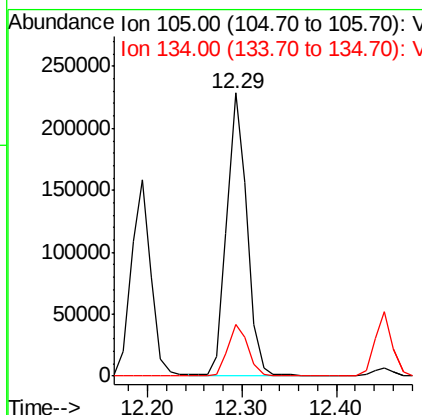
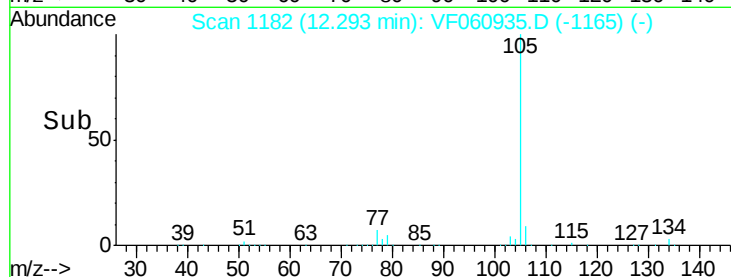
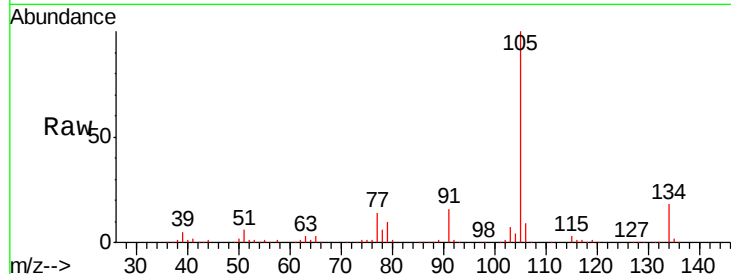
#85
 sec-Butylbenzene
 Concen: 24.503 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.03 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	338115		
134	18.2	9.5	28.5	

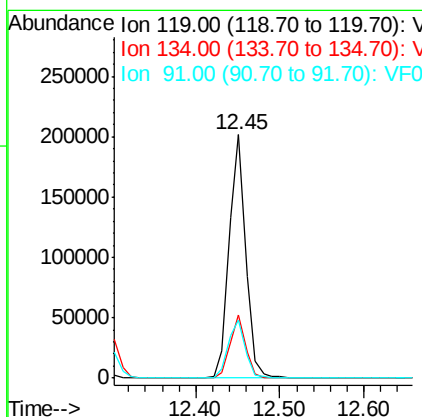
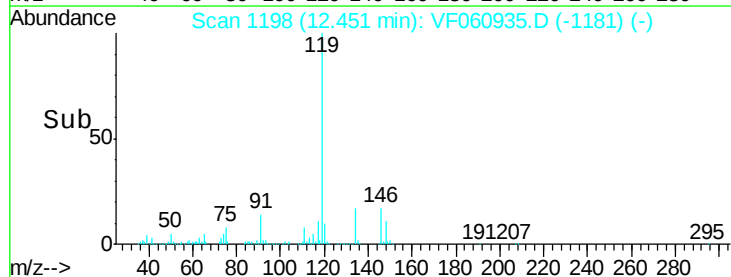
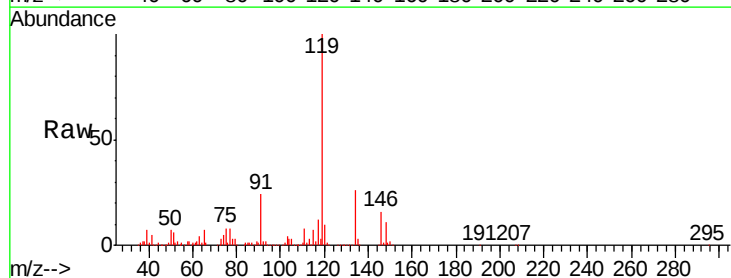
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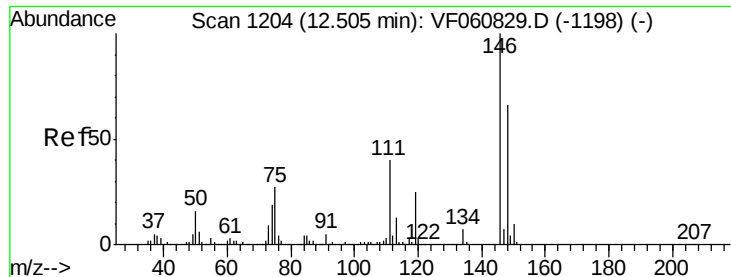
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#86
 p-Isopropyltoluene
 Concen: 23.777 ug/l
 RT: 12.45 min Scan# 1198
 Delta R.T. -0.03 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	275068		
134	25.9	12.9	38.6	
91	23.6	11.8	35.3	





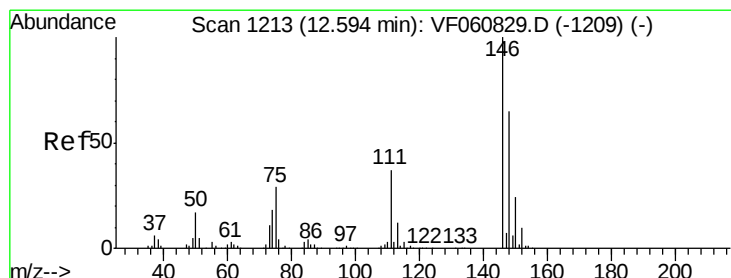
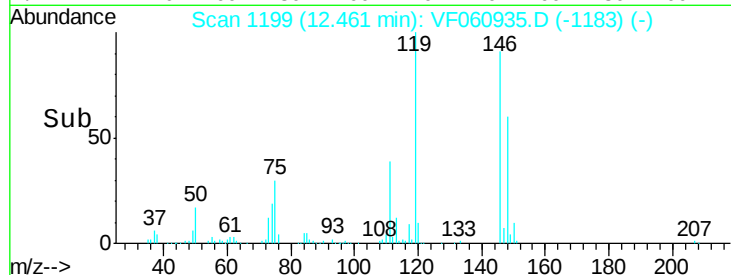
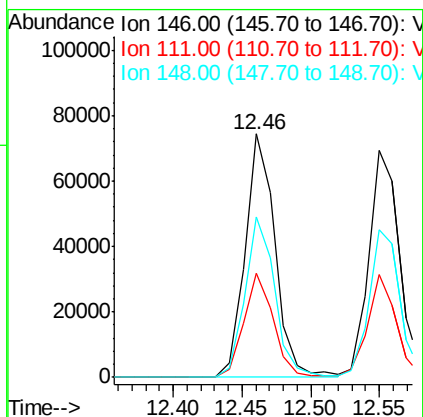
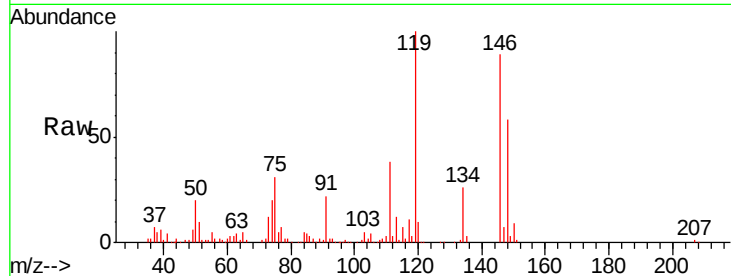
#87
 1,3-Dichlorobenzene
 Concen: 22.405 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.04 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	113889		
111	42.8	20.0	59.9	
148	65.8	32.9	98.6	

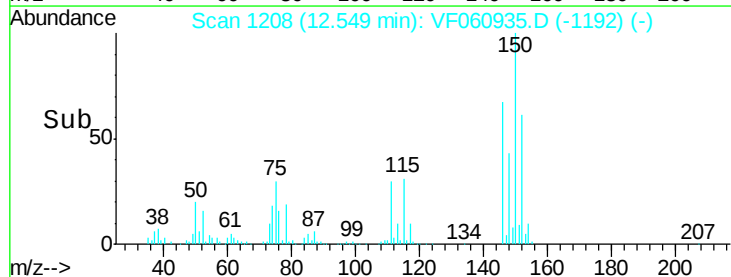
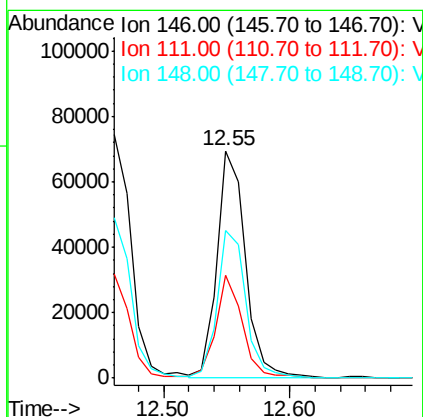
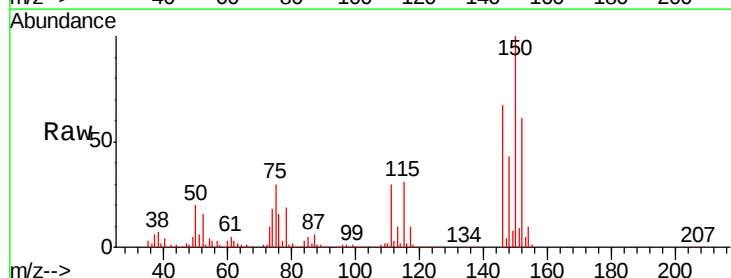
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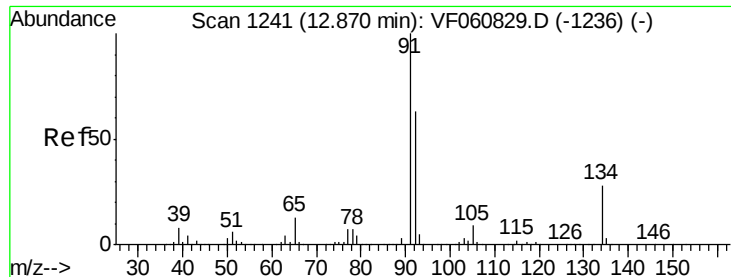
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#88
 1,4-Dichlorobenzene
 Concen: 22.007 ug/l
 RT: 12.55 min Scan# 1208
 Delta R.T. -0.04 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	109019		
111	45.2	18.9	56.7	
148	64.7	32.3	96.9	





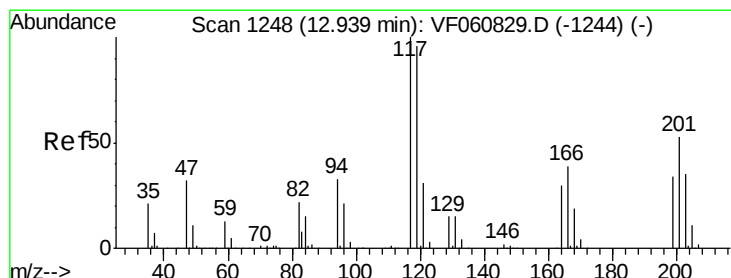
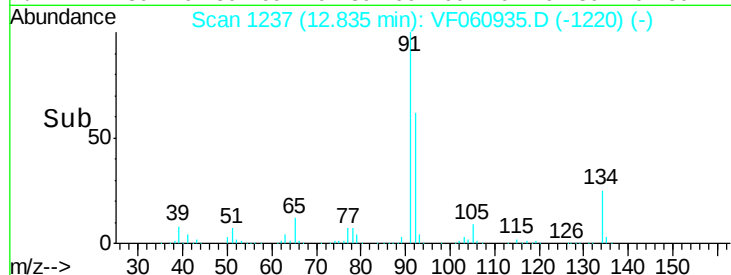
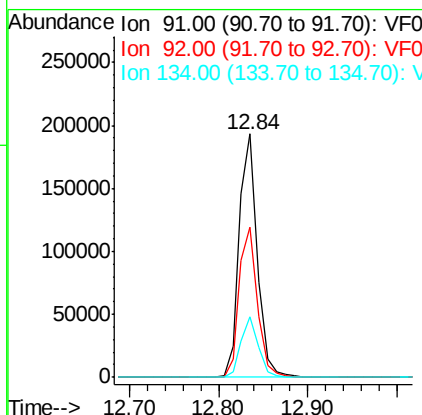
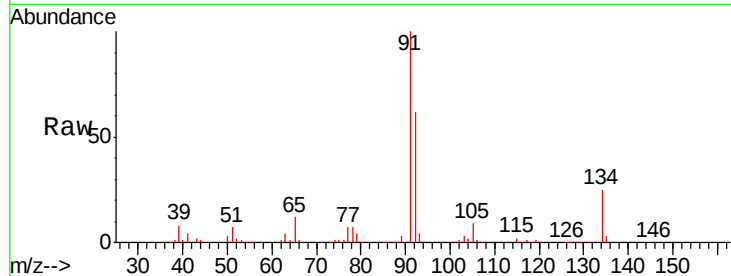
#89
n-Butylbenzene
Concen: 23.626 ug/l
RT: 12.84 min Scan# 1237
Delta R.T. -0.03 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.5	31.6	94.7
134	24.9	13.8	41.4

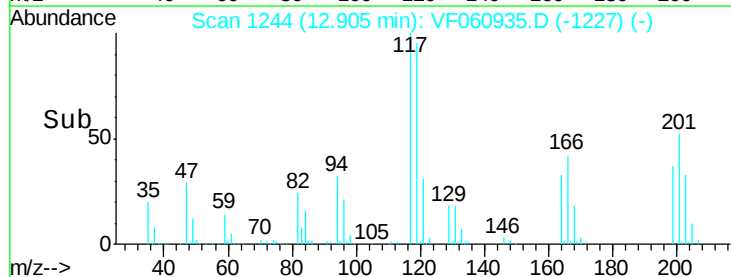
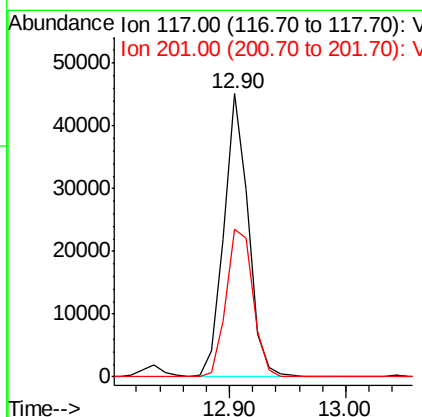
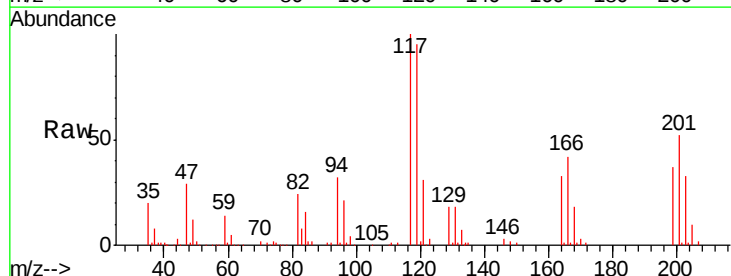
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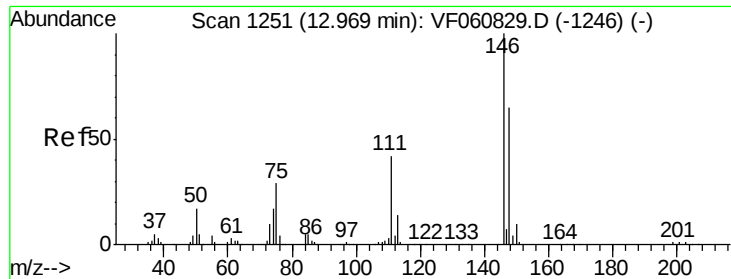
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#90
Hexachloroethane
Concen: 23.471 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.03 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	52.2	26.7	80.1





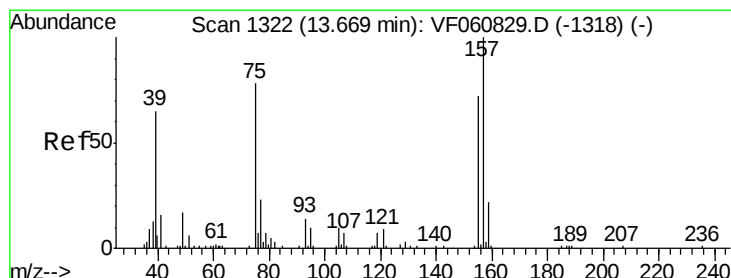
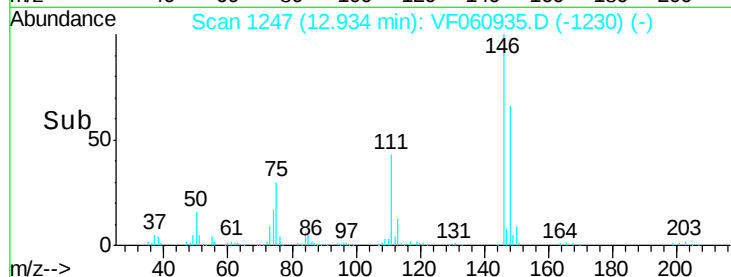
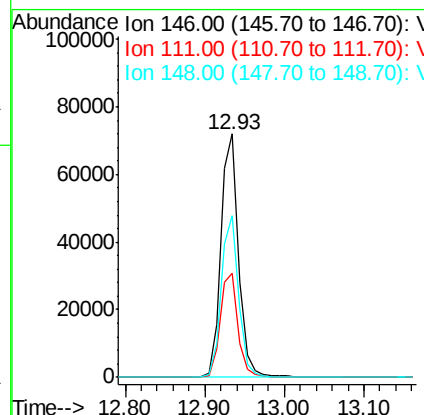
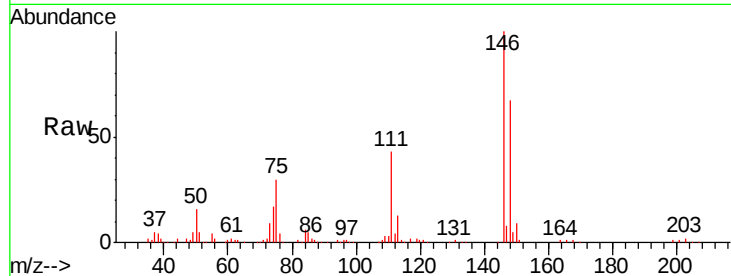
#91
 1,2-Dichlorobenzene
 Concen: 23.491 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.03 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	113083		
111	42.6	21.2	63.6	
148	66.5	32.5	97.5	

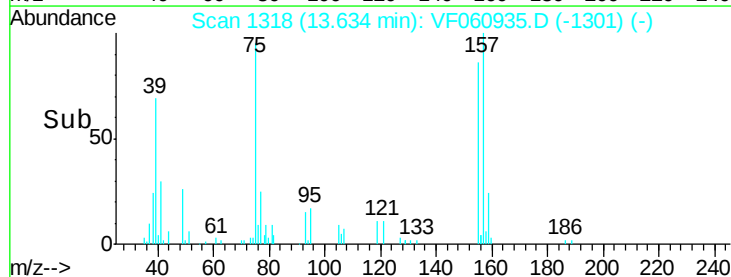
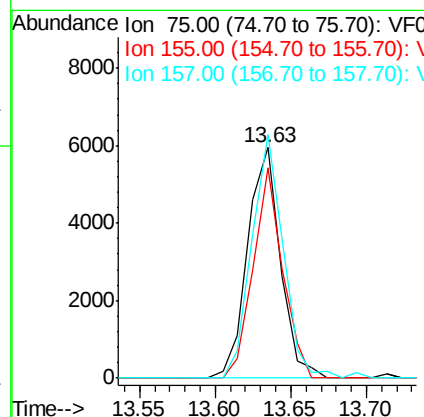
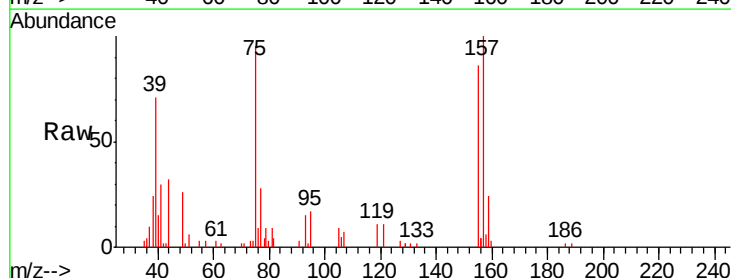
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.158 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.03 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8982		
155	91.4	45.6	136.9	
157	105.6	63.8	191.5	





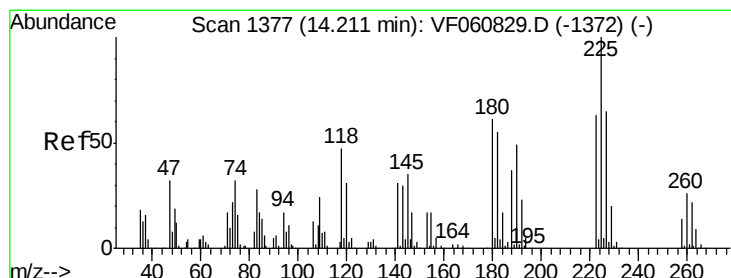
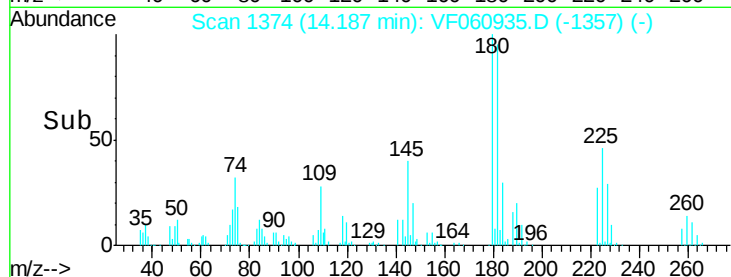
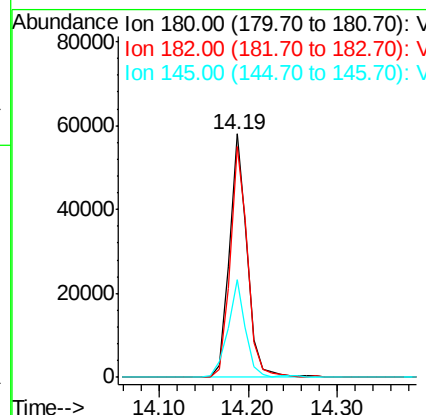
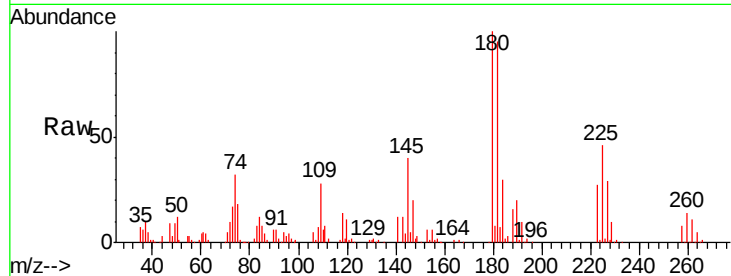
#93
 1,2,4-Trichlorobenzene
 Concen: 24.501 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. -0.03 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1207SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	82411		
182	94.9	48.5	145.5	
145	40.0	18.1	54.3	

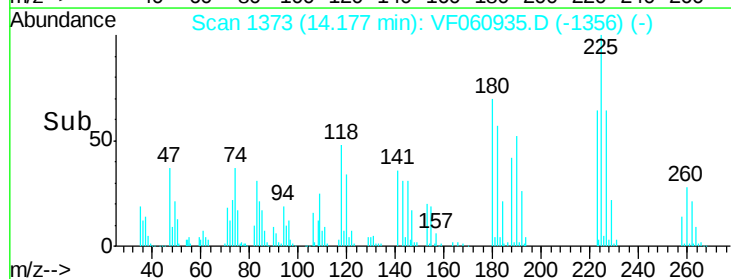
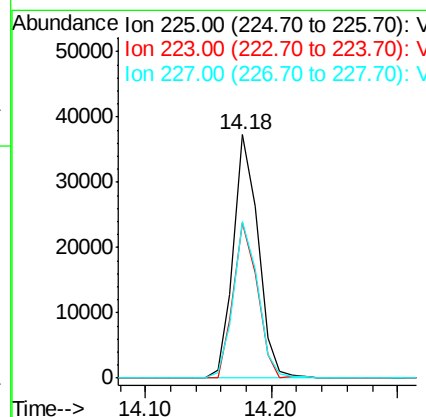
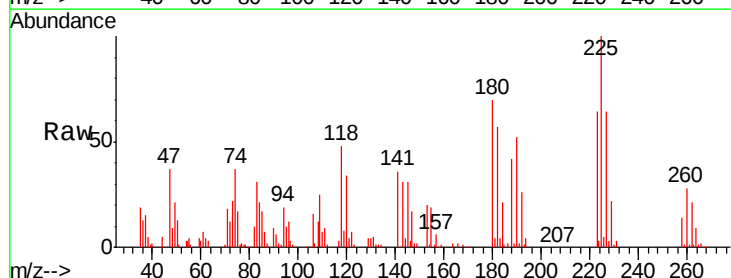
Manual Integrations
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#94
 Hexachlorobutadiene
 Concen: 22.687 ug/l
 RT: 14.18 min Scan# 1373
 Delta R.T. -0.03 min
 Lab File: VF060935.D
 Acq: 7 Dec 2018 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50869		
223	64.0	31.4	94.3	
227	64.2	32.5	97.5	





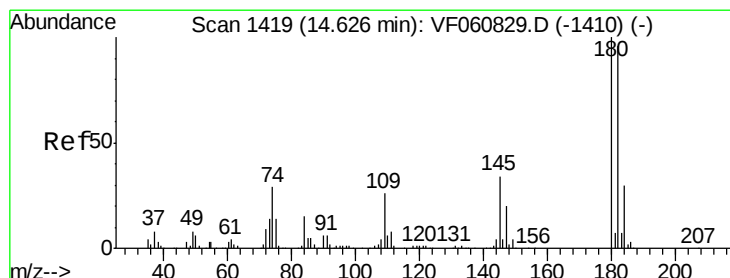
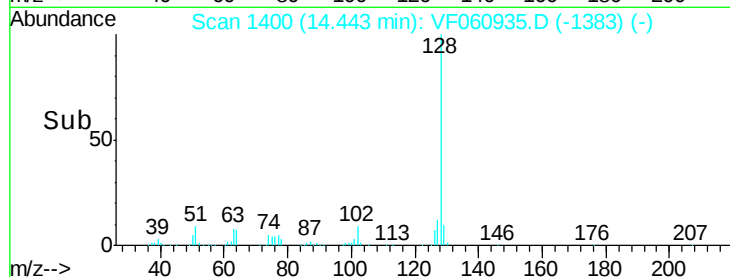
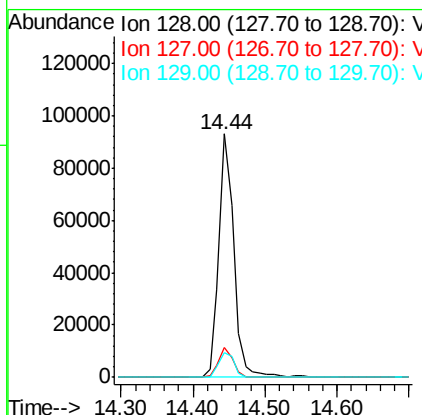
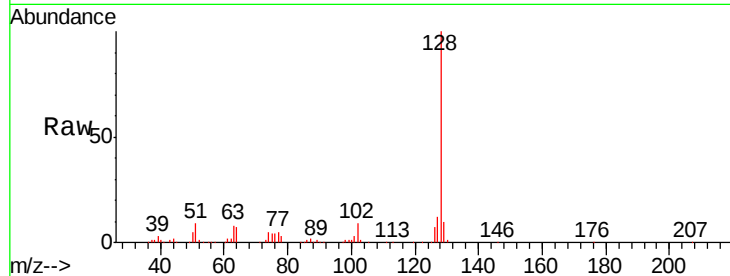
#95
Naphthalene
Concen: 18.178 ug/l
RT: 14.44 min Scan# 1400
Delta R.T. -0.03 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Instrument :
MSVOA_F
ClientSampleId :
VF1207SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	133212		
127	12.0	9.9	14.9	
129	10.3	9.1	13.7	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 22.752 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.03 min
Lab File: VF060935.D
Acq: 7 Dec 2018 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	71058		
182	95.8	47.9	143.8	
145	35.5	17.2	51.5	

