

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF121918\
 Data File : VF061080.D
 Acq On : 19 Dec 2018 12:53
 Operator : VA/AP
 Sample : VF1219SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1219SBS01

Manual Integrations
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 12/20/2018 10:29:23 AM

Quant Time: Dec 20 02:41:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	234841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	419843	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.77	117	388090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	185686	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	142648	47.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.46%	
35) Dibromofluoromethane	4.11	113	166635	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
50) Toluene-d8	7.55	98	479239	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
62) 4-Bromofluorobenzene	11.41	95	208234	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.95	85	95851	18.361	ug/l	98
3) Chloromethane	1.10	50	59787	19.994	ug/l	91
4) Vinyl Chloride	1.13	62	57225	20.629	ug/l #	82
5) Bromomethane	1.31	94	37710	19.599	ug/l #	75
6) Chloroethane	1.39	64	25716	20.119	ug/l #	86
7) Trichlorofluoromethane	1.49	101	100004	18.881	ug/l	96
8) Diethyl Ether	1.63	74	14507	20.001	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.83	101	53818	19.597	ug/l	94
10) Methyl Iodide	1.91	142	84420m	19.502	ug/l	
11) Tert butyl alcohol	2.58	59	10098	82.847	ug/l #	90
12) 1,1-Dichloroethene	1.79	96	41986	20.282	ug/l	94
13) Acrolein	2.00	56	9996	113.494	ug/l	96
14) Allyl chloride	2.10	41	48881	22.690	ug/l	91
15) Acrylonitrile	2.94	53	29078	103.167	ug/l	96
16) Acetone	2.24	43	53720	88.966	ug/l	95
17) Carbon Disulfide	1.83	76	123128	19.682	ug/l	96
18) Methyl Acetate	2.35	43	22190	17.763	ug/l	97
19) Methyl tert-butyl Ether	2.43	73	86696	18.868	ug/l	96
20) Methylene Chloride	2.23	84	44946m	20.658	ug/l	
21) trans-1,2-Dichloroethene	2.30	96	43155	19.491	ug/l	94
22) Diisopropyl ether	2.81	45	146626	20.433	ug/l	96
23) Vinyl Acetate	3.19	43	331281	100.071	ug/l	98
24) 1,1-Dichloroethane	2.87	63	86108	20.252	ug/l	99
25) 2-Butanone	4.34	43	97652	99.718	ug/l	98
26) 2,2-Dichloropropane	3.60	77	50759	20.803	ug/l	96
27) cis-1,2-Dichloroethene	3.47	96	64826	19.125	ug/l	91
28) Bromochloromethane	3.71	49	41709	19.334	ug/l	92
29) Tetrahydrofuran	4.08	42	41958	105.269	ug/l	93
30) Chloroform	3.85	83	122993	19.292	ug/l	95
31) Cyclohexane	3.68	56	94526m	21.425	ug/l	
32) 1,1,1-Trichloroethane	4.09	97	77192	20.201	ug/l	95
36) 1,1-Dichloropropene	4.28	75	95350	18.815	ug/l	99
37) Ethyl Acetate	4.11	43	36860	16.664	ug/l #	70
38) Carbon Tetrachloride	3.99	117	72239	18.718	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.45	83	97338	21.410	ug/l	97
40) Benzene	4.63	78	221941	20.365	ug/l	94
41) Methacrylonitrile	4.75	41	21302	19.903	ug/l	91
42) 1,2-Dichloroethane	4.94	62	74880	18.087	ug/l	99
43) Isopropyl Acetate	6.96	43	44614	18.232	ug/l	99
44) Trichloroethene	5.50	130	67775	19.725	ug/l	100
45) 1,2-Dichloropropane	6.24	63	53295	17.974	ug/l	94
46) Dibromomethane	6.09	93	33936	17.646	ug/l	99
47) Bromodichloromethane	6.38	83	94403	18.893	ug/l	97
48) Methyl methacrylate	6.71	41	30172	17.662	ug/l	97
49) 1,4-Dioxane	6.70	88	3702	298.667	ug/l #	76
51) 4-Methyl-2-Pentanone	8.26	43	166067	98.956	ug/l	100
52) Toluene	7.62	92	139912	19.394	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	76146	18.891	ug/l	94
54) cis-1,3-Dichloropropene	7.30	75	97681	19.308	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	40601	18.773	ug/l	92
56) Ethyl methacrylate	8.63	69	42848	18.310	ug/l	93
57) 1,3-Dichloropropane	8.85	76	71144	18.188	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.30	63	43020	95.717	ug/l	94
59) 2-Hexanone	9.49	43	111737	92.068	ug/l	98
60) Dibromochloromethane	8.72	129	56480	18.219	ug/l	97
61) 1,2-Dibromoethane	8.98	107	45014	19.489	ug/l	92
64) Tetrachloroethene	8.15	164	54360	18.209	ug/l	97
65) Chlorobenzene	9.80	112	151988	18.957	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.93	131	60041	18.325	ug/l	98
67) Ethyl Benzene	9.90	91	282462	19.338	ug/l	96
68) m/p-Xylenes	10.14	106	204366	39.758	ug/l	97
69) o-Xylene	10.72	106	113896	19.979	ug/l	97
70) Styrene	10.79	104	158022	19.797	ug/l	97
71) Bromoform	10.78	173	27868	18.385	ug/l #	91
73) Isopropylbenzene	11.12	105	328459	20.527	ug/l	97
74) N-amyl acetate	11.37	43	75273	21.188	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.69	83	50876	19.157	ug/l	98
76) 1,2,3-Trichloropropane	11.79	75	36877	18.659	ug/l	96
77) Bromobenzene	11.50	156	68693	19.942	ug/l	89
78) n-propylbenzene	11.60	91	388237	18.577	ug/l	99
79) 2-Chlorotoluene	11.72	91	224347	20.438	ug/l	99
80) 1,3,5-Trimethylbenzene	11.82	105	263092	19.967	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.87	75	17885m	21.059	ug/l	
82) 4-Chlorotoluene	11.90	91	229618	20.221	ug/l	99
83) tert-Butylbenzene	12.13	119	269958	19.911	ug/l	97
84) 1,2,4-Trimethylbenzene	12.21	105	264007	20.093	ug/l	98
85) sec-Butylbenzene	12.31	105	368678	20.836	ug/l	99
86) p-Isopropyltoluene	12.46	119	299756	20.410	ug/l	98
87) 1,3-Dichlorobenzene	12.47	146	128063	19.500	ug/l	97
88) 1,4-Dichlorobenzene	12.56	146	125454	19.834	ug/l	96
89) n-Butylbenzene	12.85	91	319505	18.913	ug/l	96
90) Hexachloroethane	12.92	117	70593	19.455	ug/l	90
91) 1,2-Dichlorobenzene	12.94	146	122740	19.932	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.65	75	8271	16.972	ug/l	80

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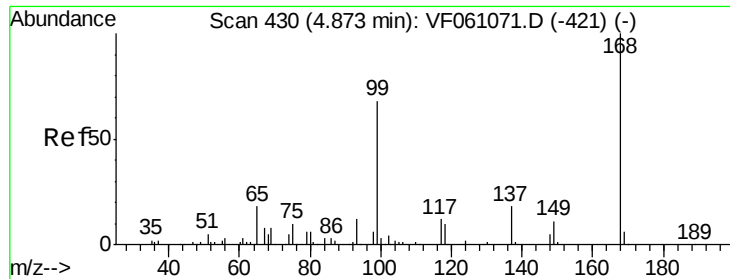
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	83193	19.049	ug/l	96
94) Hexachlorobutadiene	14.19	225	56152	20.187	ug/l	95
95) Naphthalene	14.46	128	150957	18.929	ug/l	99
96) 1,2,3-Trichlorobenzene	14.60	180	78480	19.439	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. -0.00 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 168 Resp: 234841

Ion Ratio Lower Upper

168 100

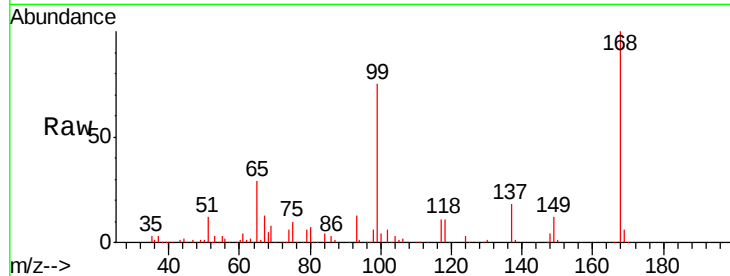
99 74.6 54.4 81.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.87

80000

60000

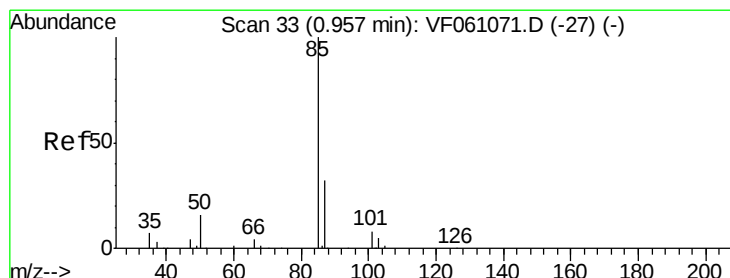
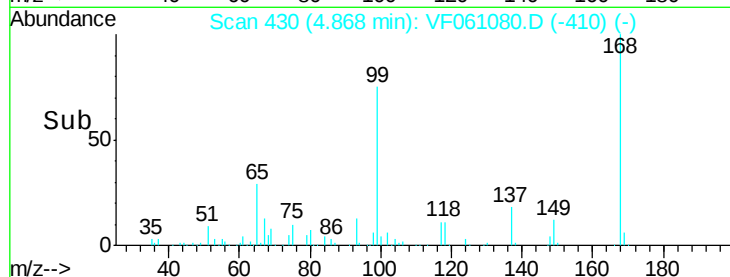
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 18.361 ug/l

RT: 0.95 min Scan# 33

Delta R.T. -0.00 min

Lab File: VF061080.D

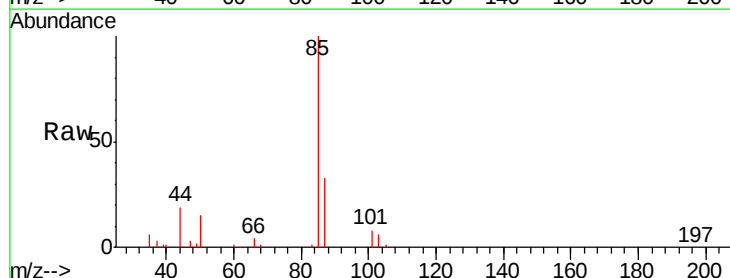
Acq: 19 Dec 2018 12:53

Tgt Ion: 85 Resp: 95851

Ion Ratio Lower Upper

85 100

87 33.0 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

30000

25000

20000

15000

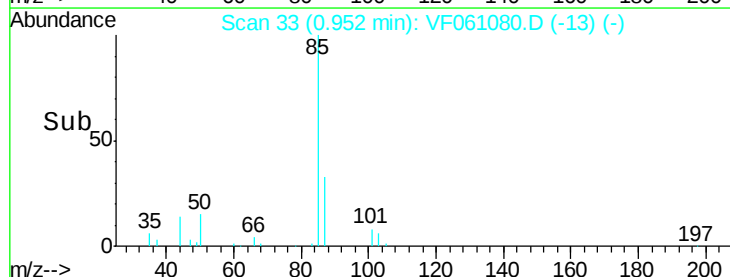
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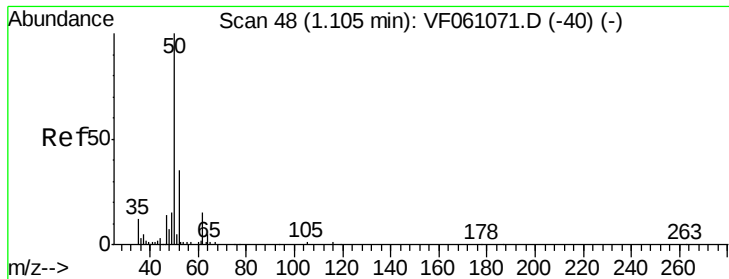
5000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 19.994 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 50 Resp: 59787

Ion Ratio Lower Upper

50 100

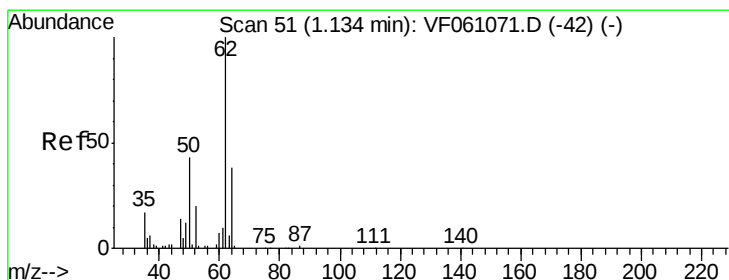
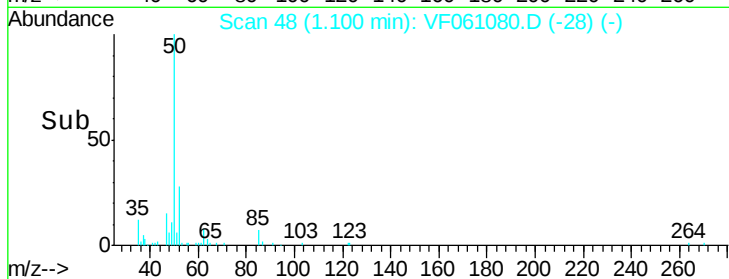
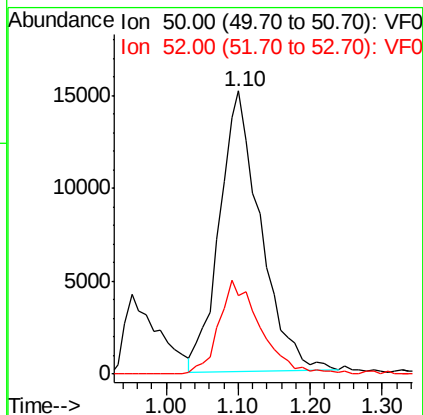
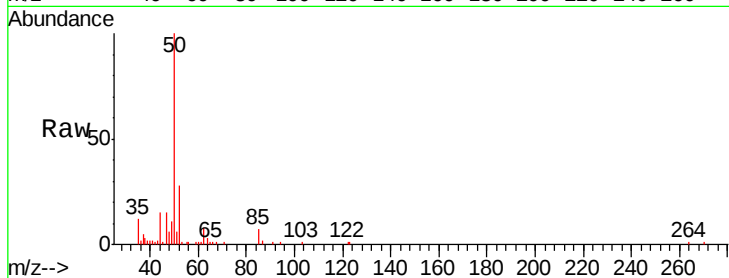
52 27.8 26.3 39.5

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#4

Vinyl Chloride

Concen: 20.629 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.00 min

Lab File: VF061080.D

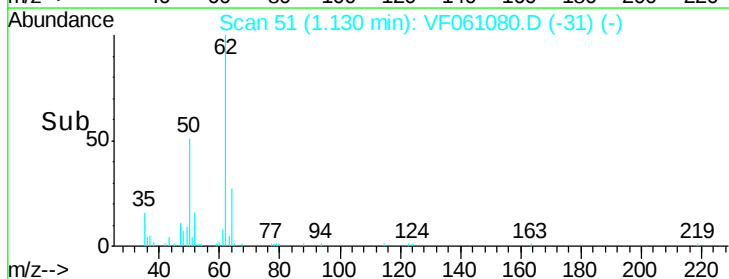
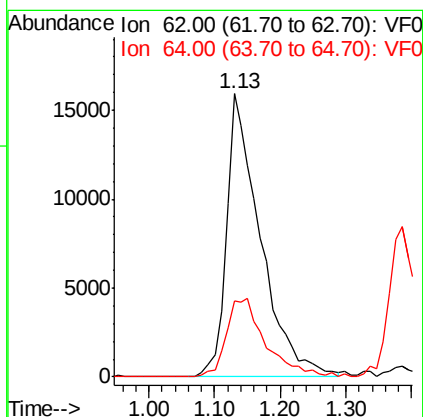
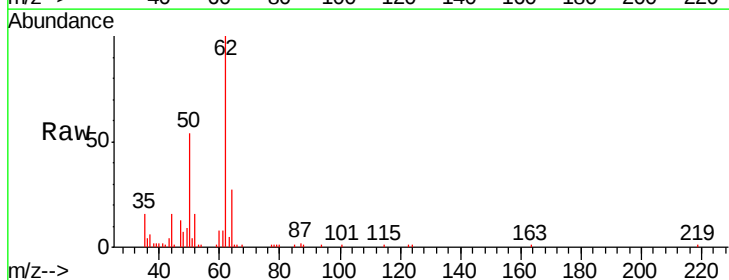
Acq: 19 Dec 2018 12:53

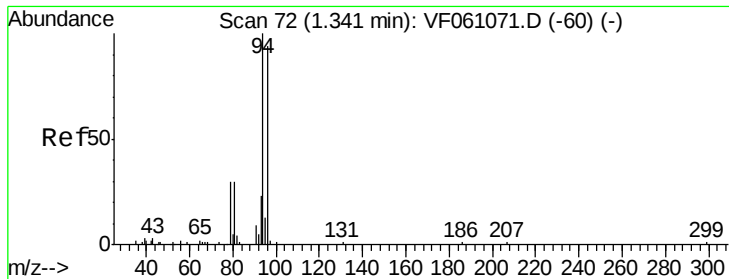
Tgt Ion: 62 Resp: 57225

Ion Ratio Lower Upper

62 100

64 26.9 30.4 45.6#





#5

Bromomethane

Concen: 19.599 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.03 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

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ClientSampleId :

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Tgt Ion: 94 Resp: 37710

Ion Ratio Lower Upper

94 100

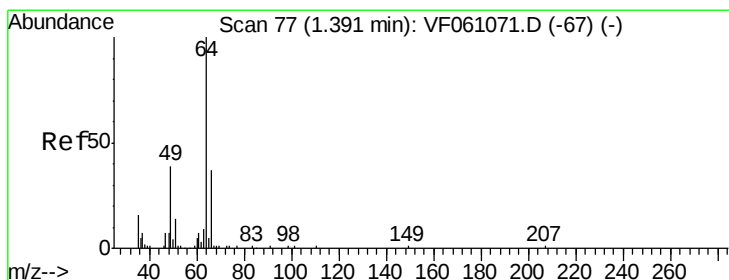
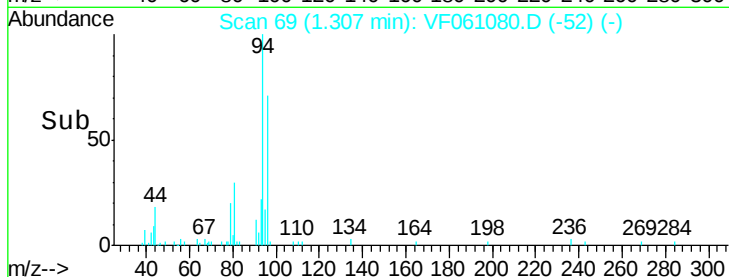
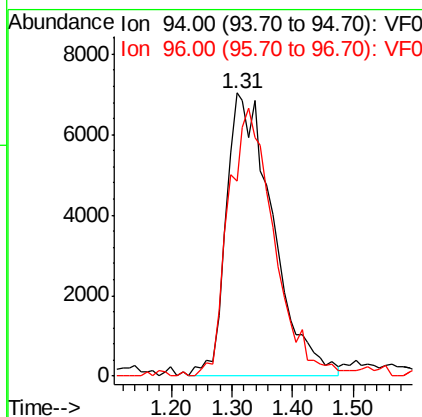
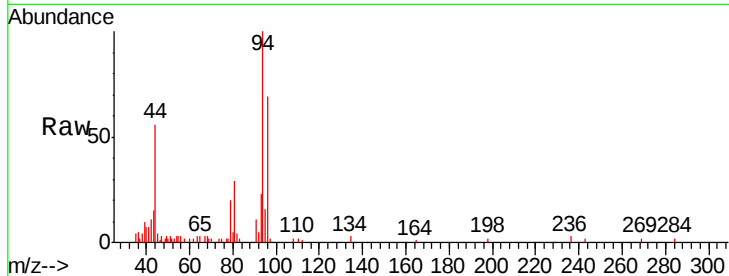
96 68.8 74.4 111.6#

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#6

Chloroethane

Concen: 20.119 ug/l

RT: 1.39 min Scan# 77

Delta R.T. -0.00 min

Lab File: VF061080.D

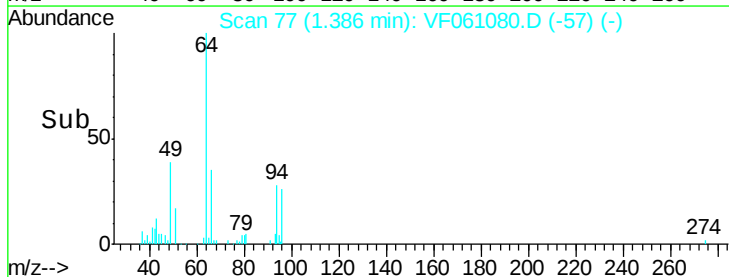
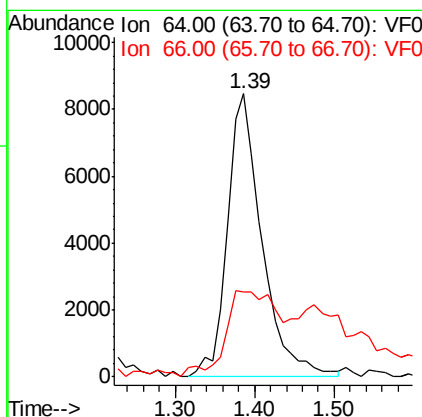
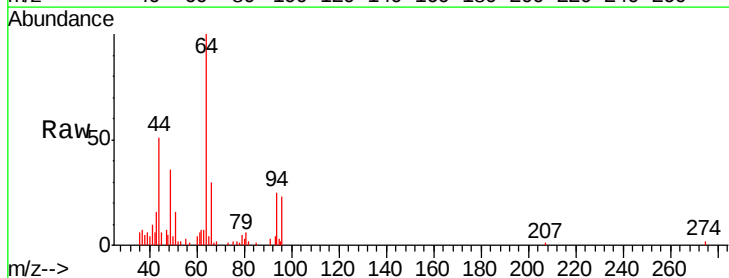
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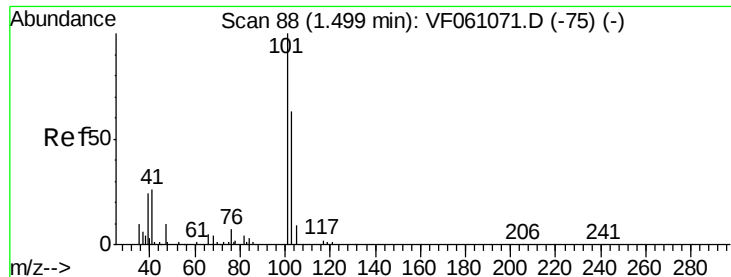
Tgt Ion: 64 Resp: 25716

Ion Ratio Lower Upper

64 100

66 30.1 30.9 46.3#





#7

Trichlorofluoromethane

Concen: 18.881 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.01 min

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Tgt Ion:101 Resp: 100004

Ion Ratio Lower Upper

101 100

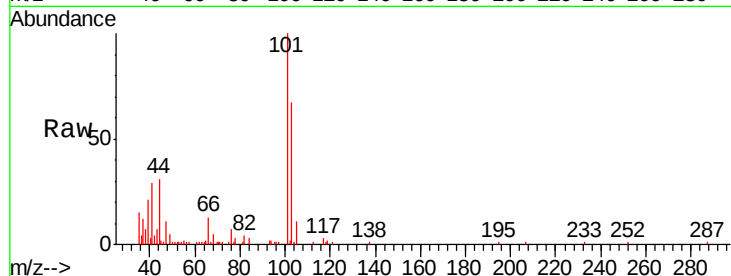
103 66.7 50.7 76.1

Manual Integrations

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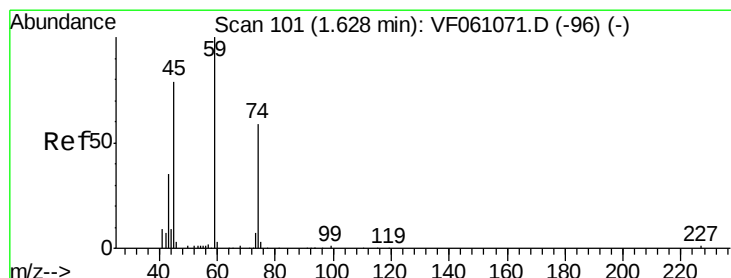
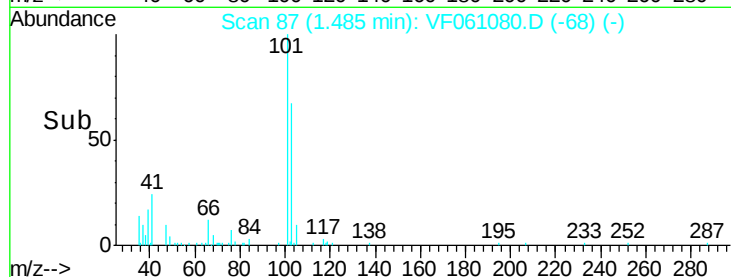
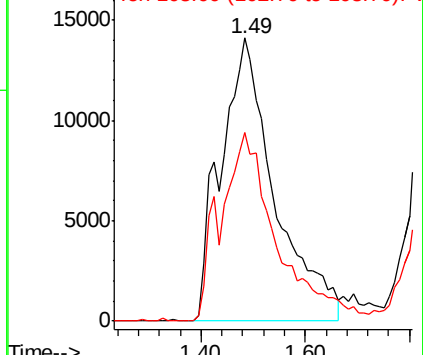
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 20.001 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.01 min

Lab File: VF061080.D

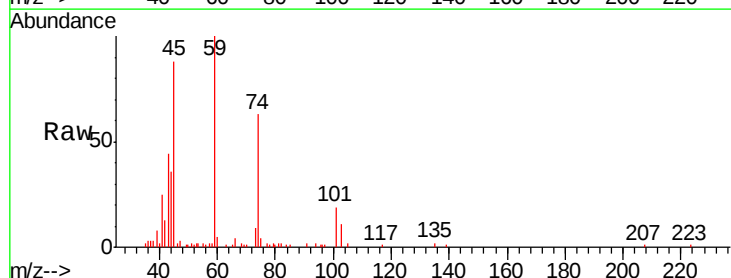
Acq: 19 Dec 2018 12:53

Tgt Ion: 74 Resp: 14507

Ion Ratio Lower Upper

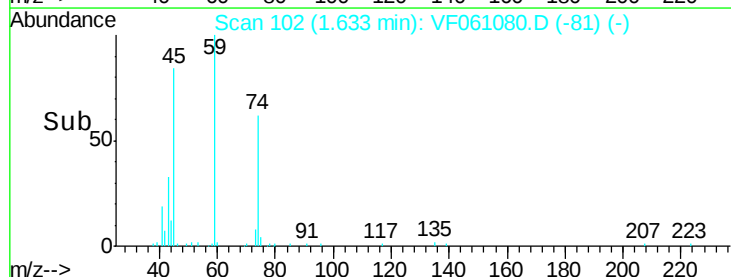
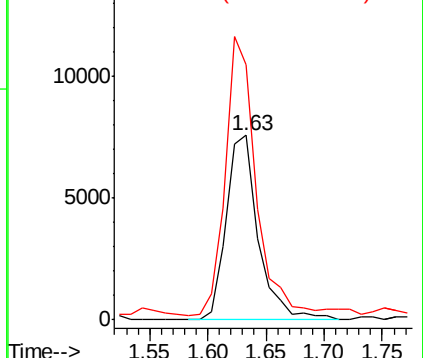
74 100

45 138.3 67.8 203.4



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.597 ug/l

RT: 1.83 min Scan# 122

Delta R.T. -0.00 min

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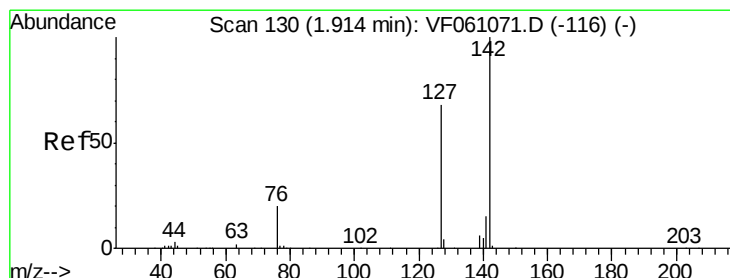
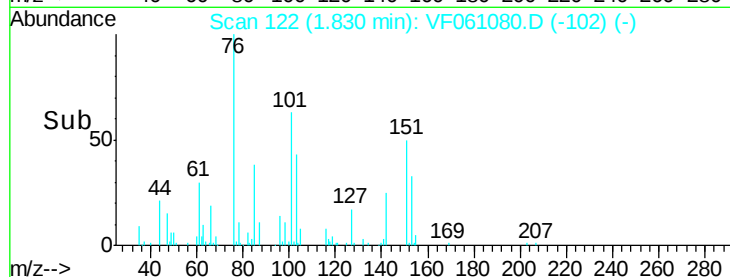
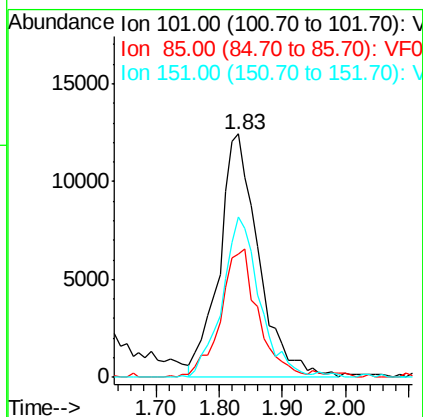
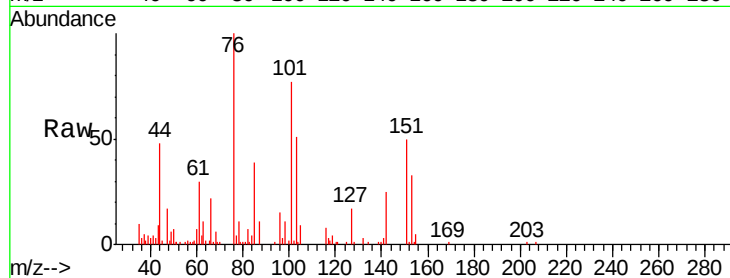
ClientSampleId :

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Tgt Ion:	101	Resp:	53818
Ion Ratio	Lower	Upper	
101	100		
85	50.5	44.5	66.7
151	65.8	49.9	74.9

Manual Integrations
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#10

Methyl Iodide

Concen: 19.502 ug/l m

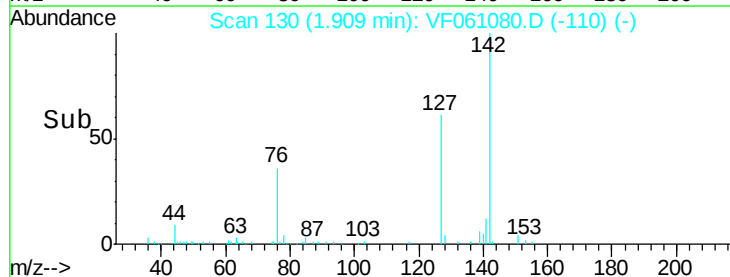
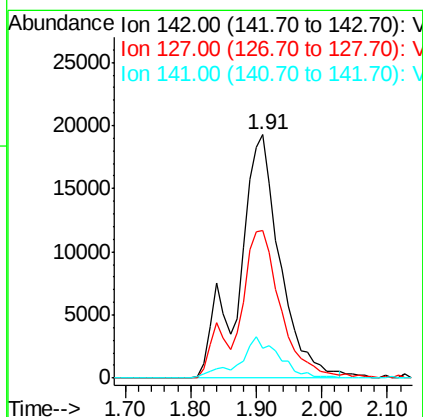
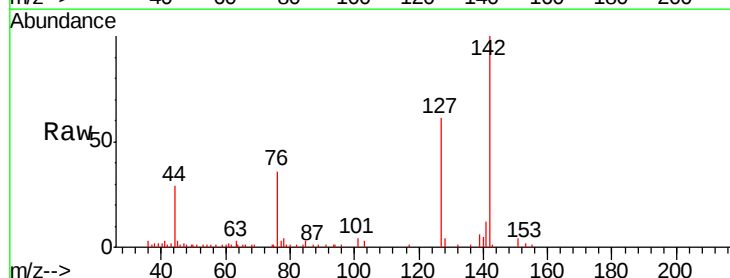
RT: 1.91 min Scan# 130

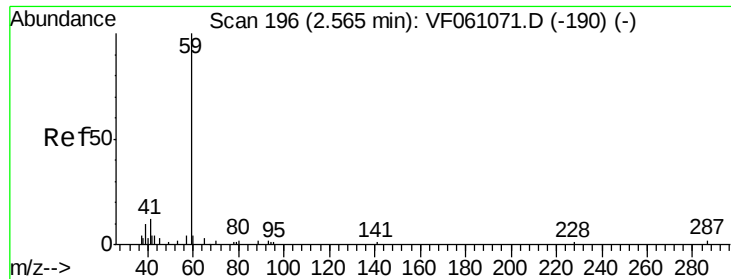
Delta R.T. -0.00 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Tgt Ion:	142	Resp:	84420
Ion Ratio	Lower	Upper	
142	100		
127	60.6	54.7	82.1
141	12.3	12.2	18.2





#11

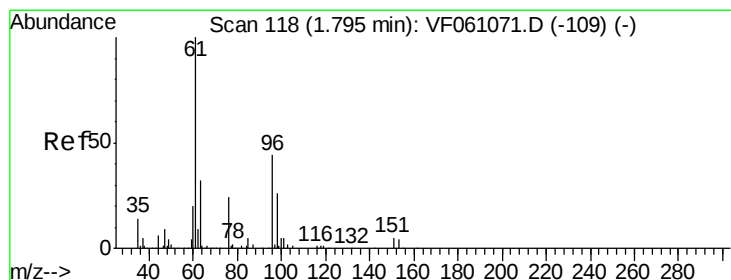
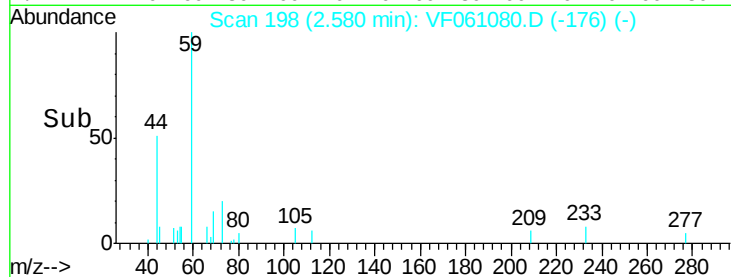
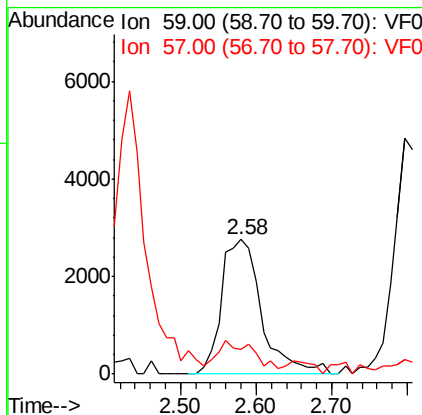
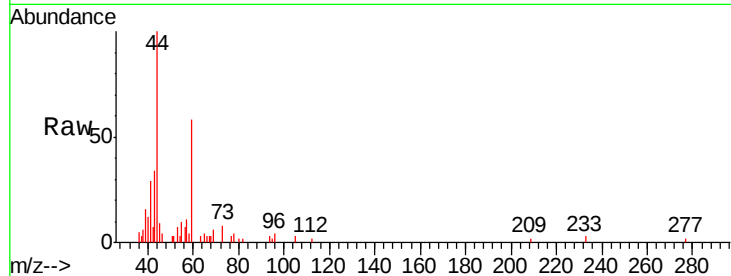
Tert butyl alcohol
Concen: 82.847 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion: 59 Resp: 10098
Ion Ratio Lower Upper
59 100
57 18.5 11.5 17.3#

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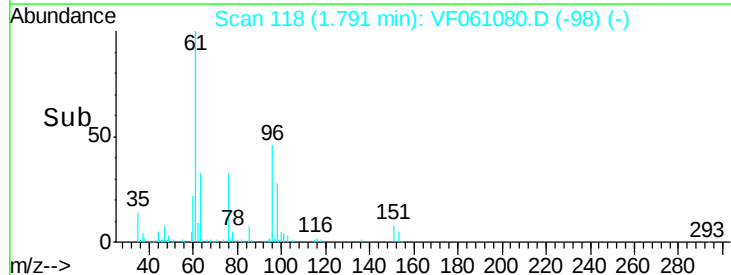
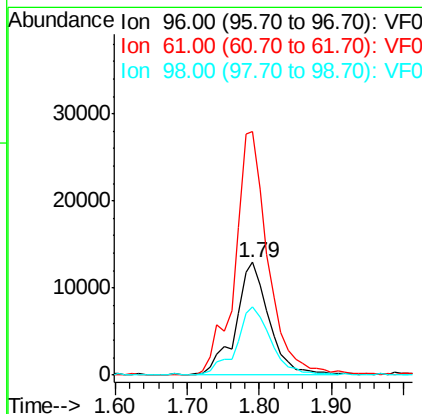
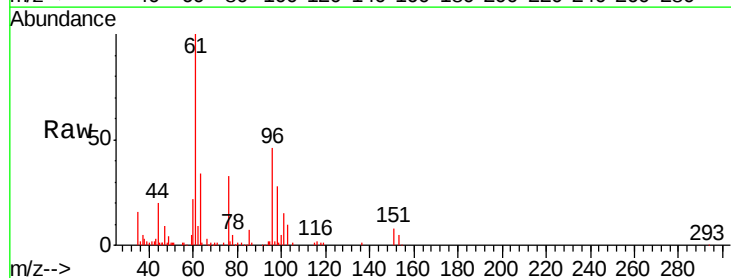
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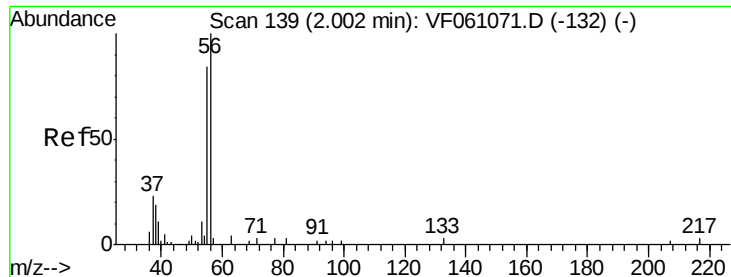


#12

1,1-Dichloroethene
Concen: 20.282 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Tgt Ion: 96 Resp: 41986
Ion Ratio Lower Upper
96 100
61 215.9 182.0 273.0
98 60.0 46.5 69.7





#13

Acrolein

Concen: 113.494 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 56 Resp: 9996

Ion Ratio Lower Upper

56 100

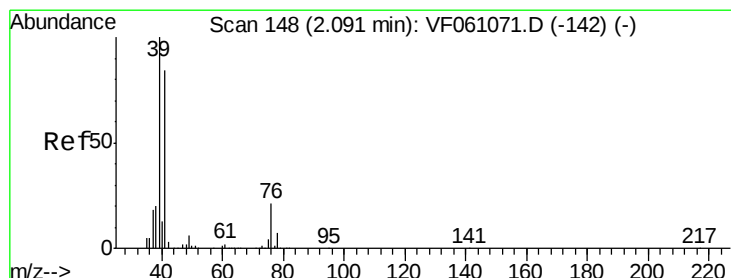
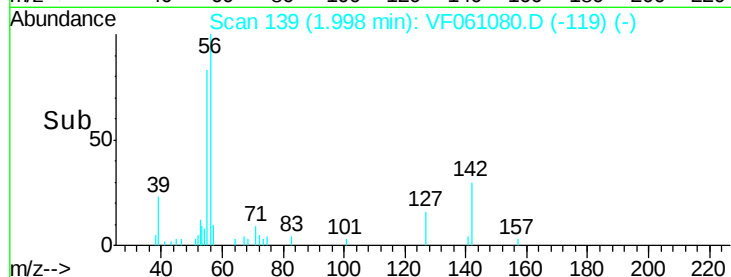
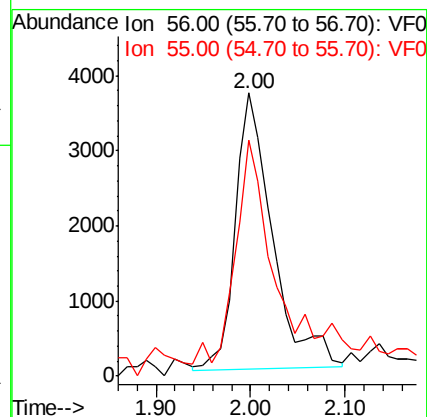
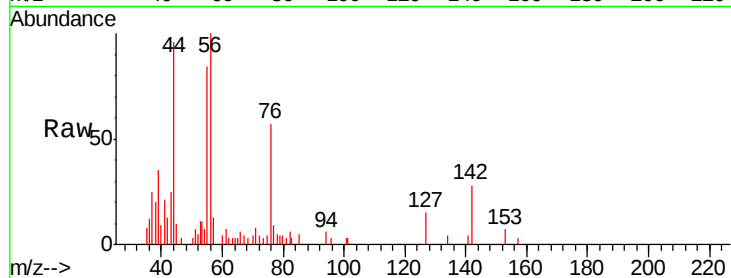
55 83.5 70.2 105.2

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#14

Allyl chloride

Concen: 22.690 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

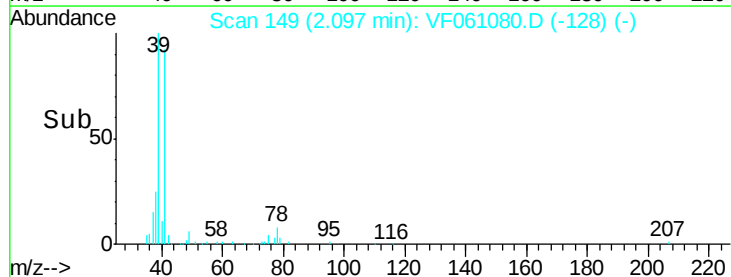
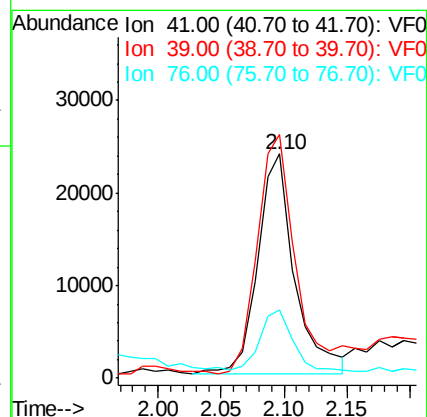
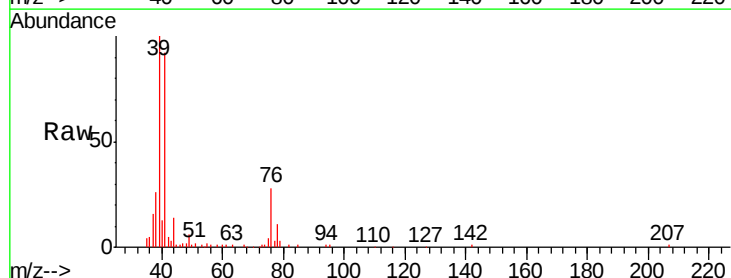
Tgt Ion: 41 Resp: 48881

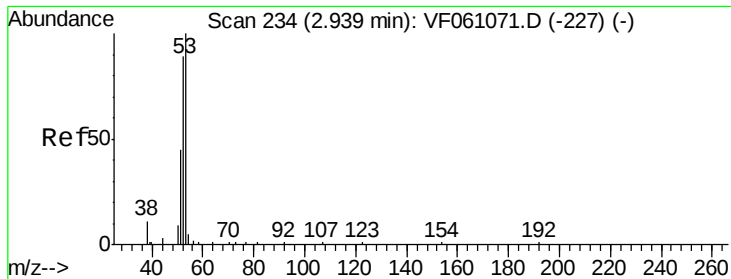
Ion Ratio Lower Upper

41 100

39 108.5 96.4 144.6

76 30.6 25.4 38.0





#15

Acrylonitrile

Concen: 103.167 ug/l

RT: 2.94 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

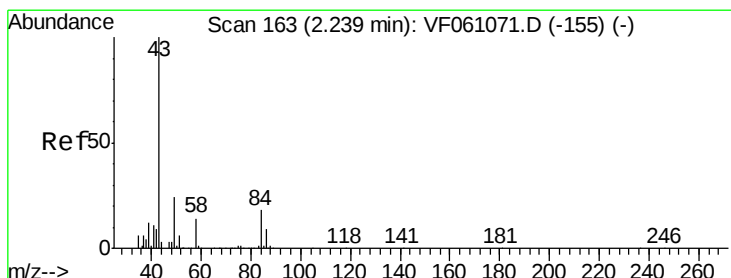
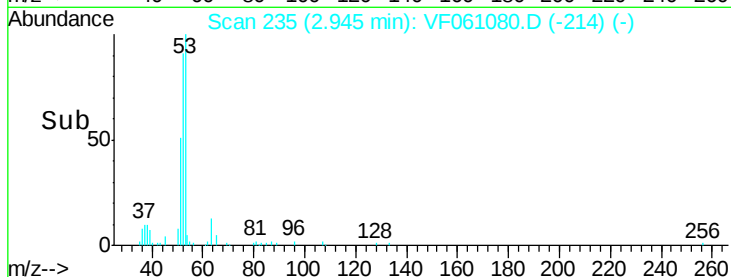
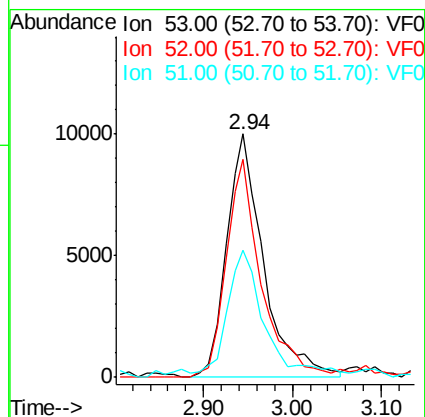
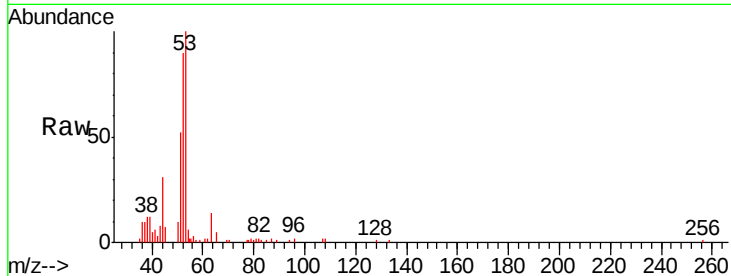
ClientSampleId :

VF1219SBS01

Tgt Ion:	53	Resp:	29078
Ion	Ratio	Lower	Upper
53	100		
52	89.6	71.3	106.9
51	52.3	36.8	55.2

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#16

Acetone

Concen: 88.966 ug/l

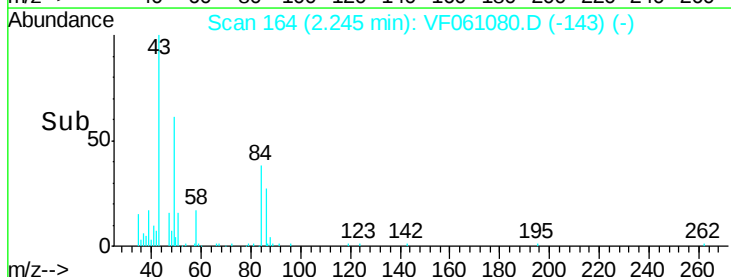
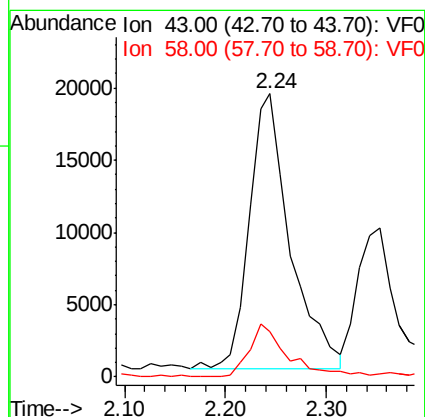
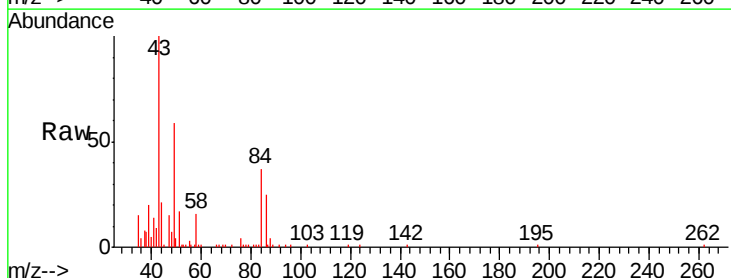
RT: 2.24 min Scan# 164

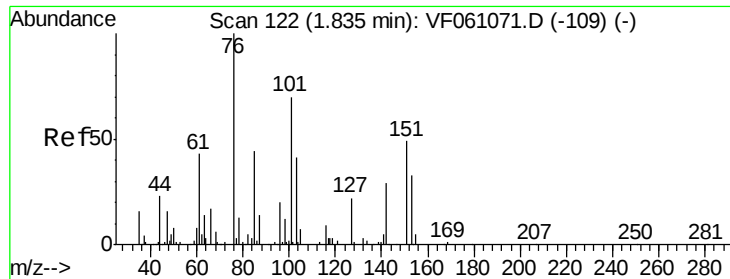
Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Tgt Ion:	43	Resp:	53720
Ion	Ratio	Lower	Upper
43	100		
58	15.9	11.1	16.7





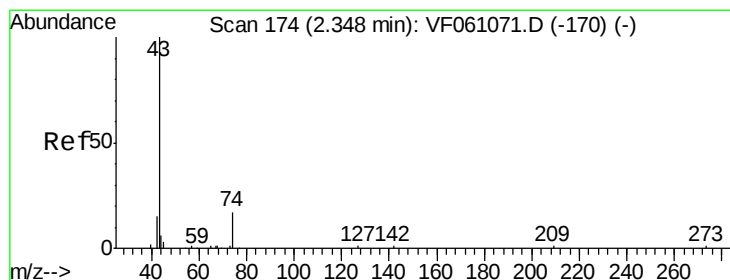
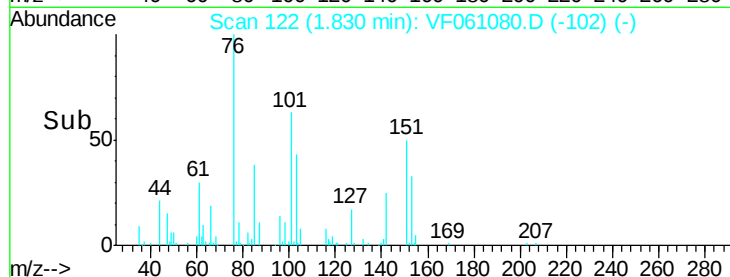
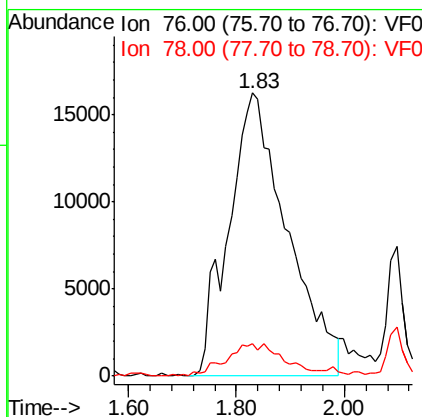
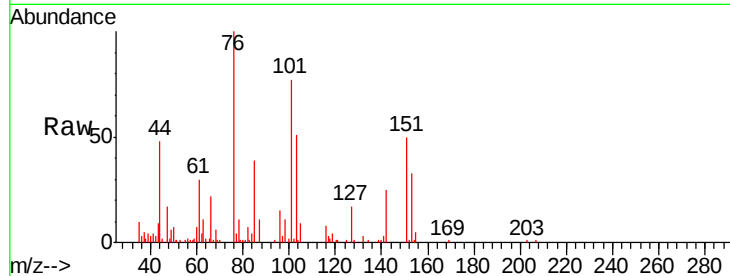
#17
Carbon Disulfide
Concen: 19.682 ug/l
RT: 1.83 min Scan# 122
Delta R.T. -0.00 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion: 76 Resp: 123128
Ion Ratio Lower Upper
76 100
78 11.4 10.2 15.4

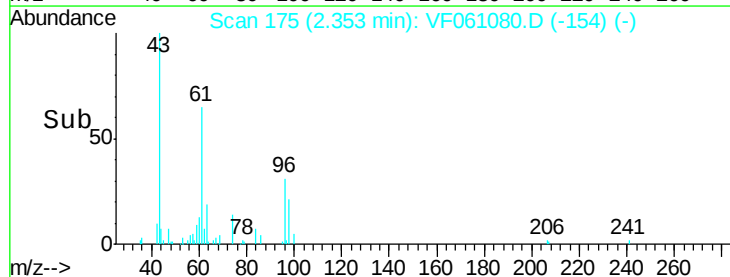
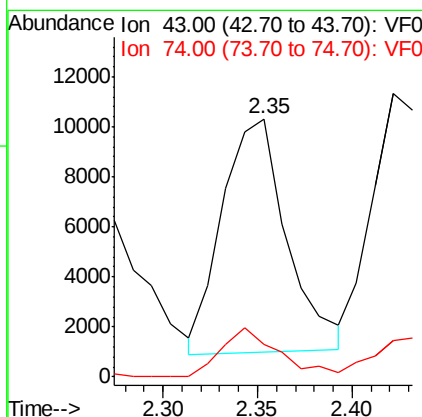
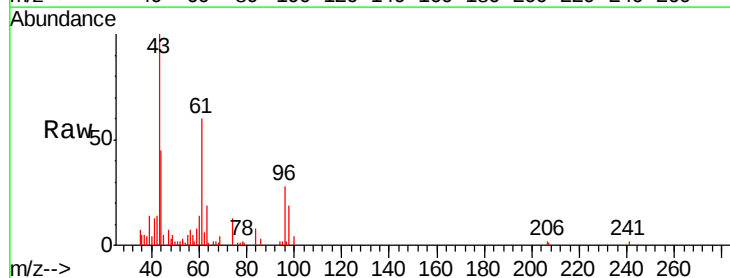
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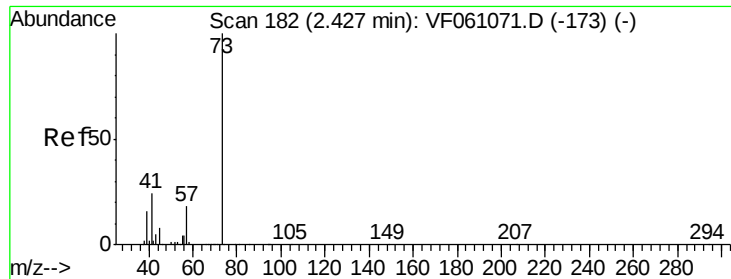
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#18
Methyl Acetate
Concen: 17.763 ug/l
RT: 2.35 min Scan# 175
Delta R.T. 0.01 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Tgt Ion: 43 Resp: 22190
Ion Ratio Lower Upper
43 100
74 12.6 11.0 16.6





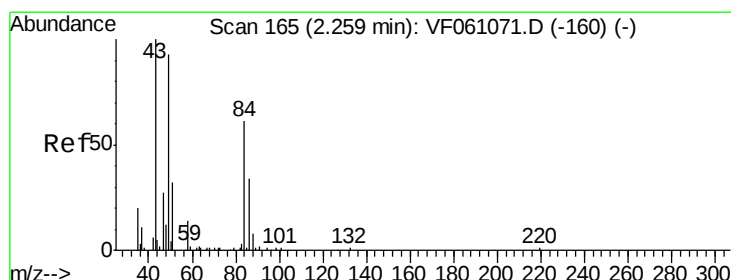
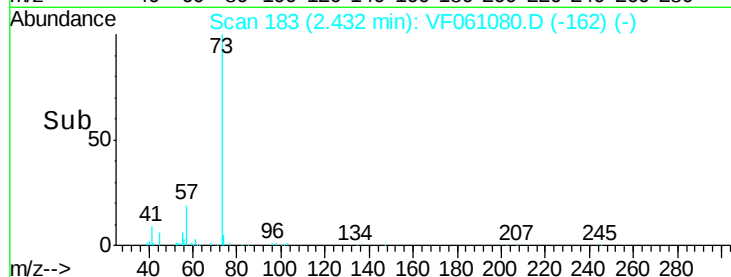
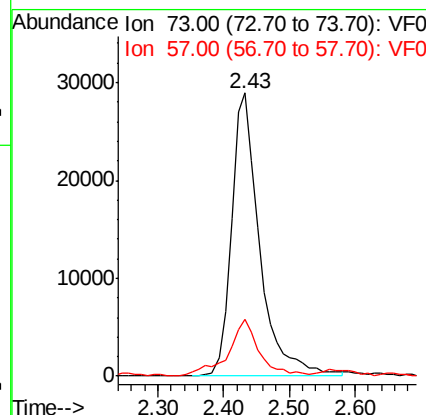
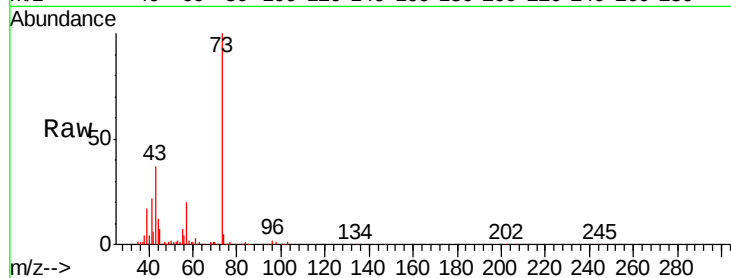
#19
Methyl tert-butyl Ether
Concen: 18.868 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion: 73 Resp: 86696
Ion Ratio Lower Upper
73 100
57 20.0 14.5 21.7

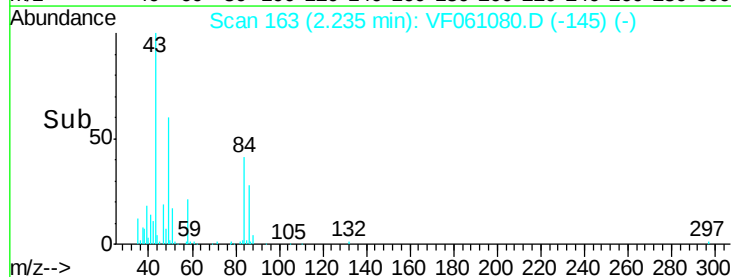
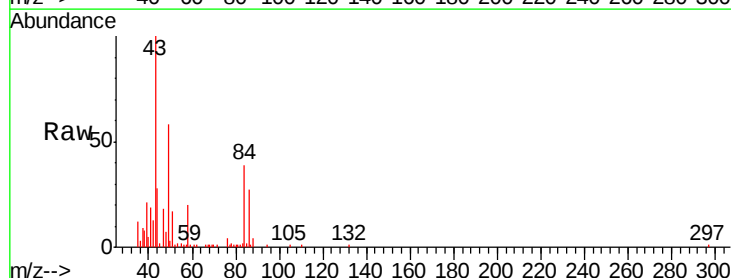
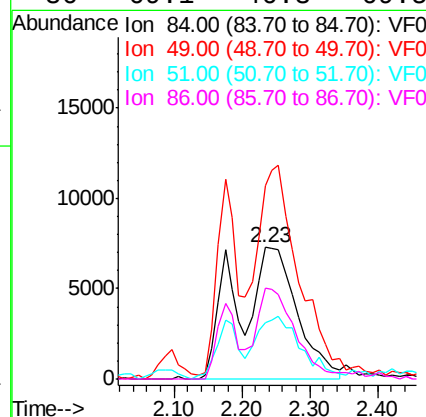
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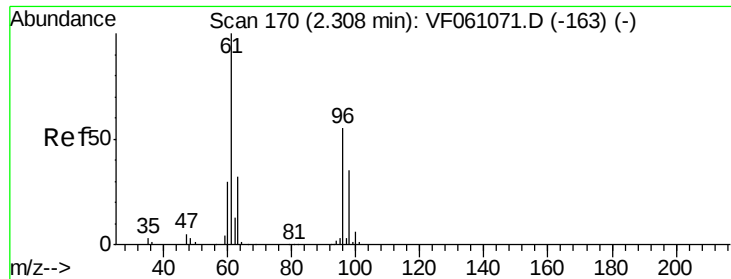
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#20
Methylene Chloride
Concen: 20.658 ug/l m
RT: 2.23 min Scan# 163
Delta R.T. -0.02 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Tgt Ion: 84 Resp: 44946
Ion Ratio Lower Upper
84 100
49 147.4 129.4 194.2
51 42.9 44.0 66.0#
86 69.1 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 19.491 ug/l

RT: 2.30 min Scan# 170

Delta R.T. -0.00 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

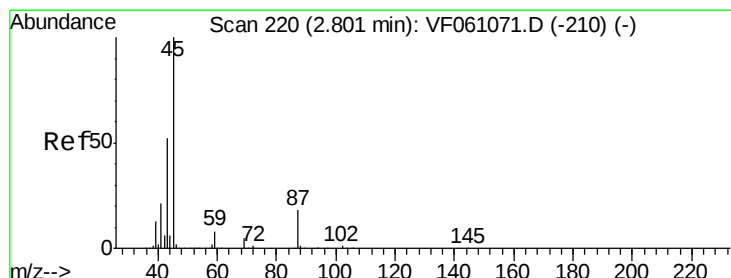
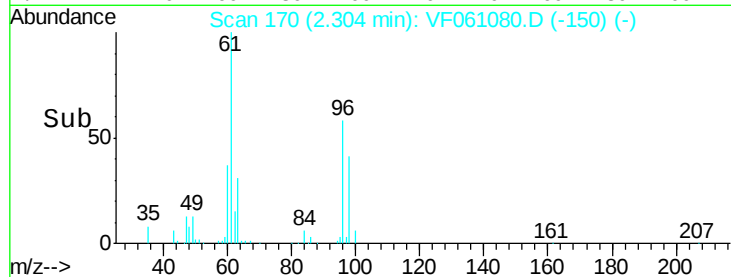
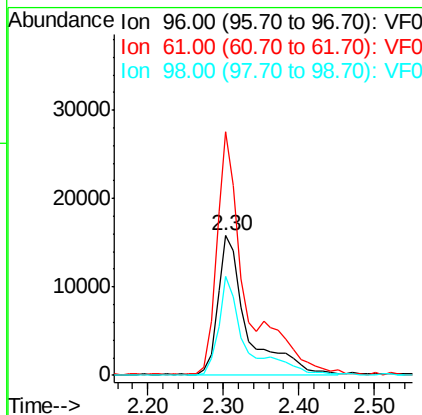
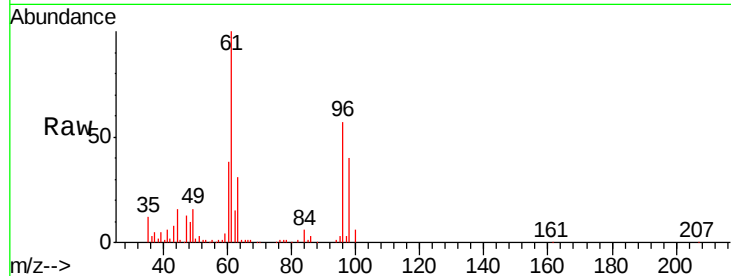
ClientSampleId :

VF1219SBS01

Tgt Ion:	96	Resp:	43155
Ion	Ratio	Lower	Upper
96	100		
61	174.6	146.0	219.0
98	70.6	51.6	77.4

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#22

Diisopropyl ether

Concen: 20.433 ug/l

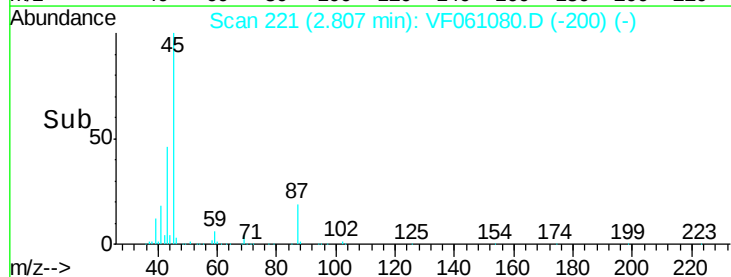
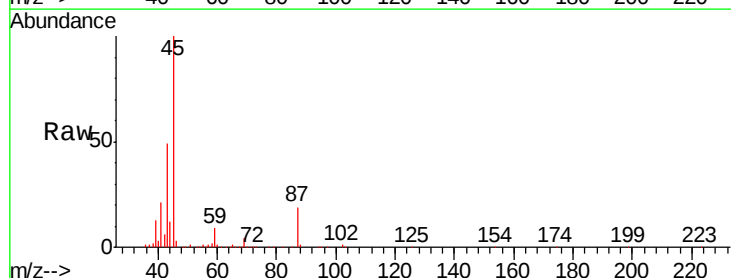
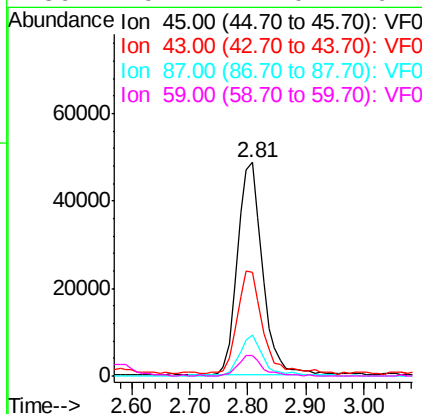
RT: 2.81 min Scan# 221

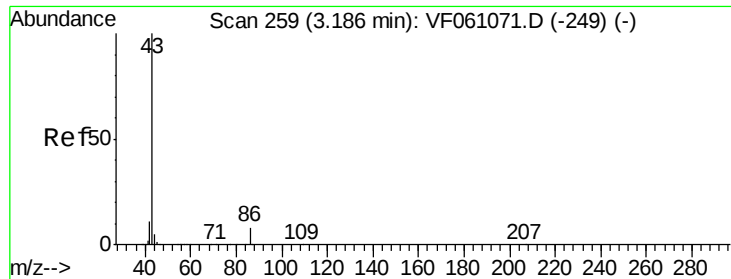
Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Tgt Ion:	45	Resp:	146626
Ion	Ratio	Lower	Upper
45	100		
43	48.6	42.2	63.2
87	19.0	14.6	22.0
59	9.4	7.0	10.4





#23

Vinyl Acetate

Concen: 100.071 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 43 Resp: 331281

Ion Ratio Lower Upper

43 100

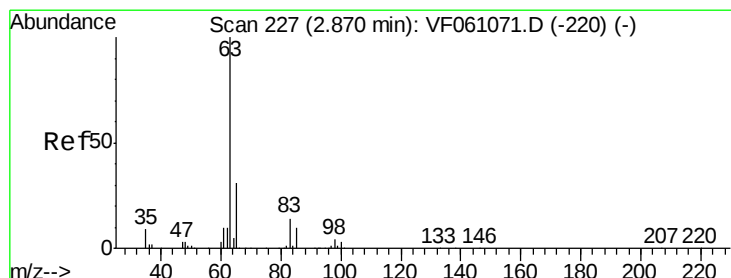
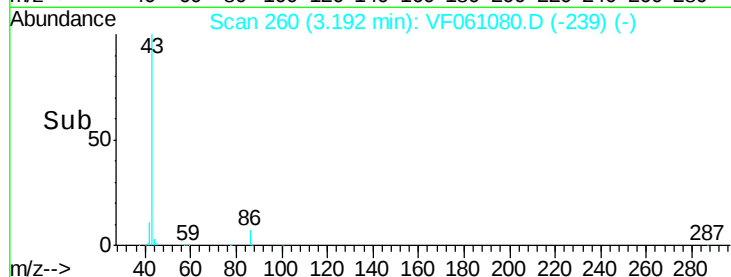
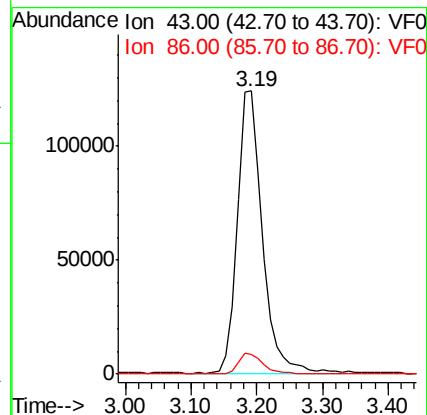
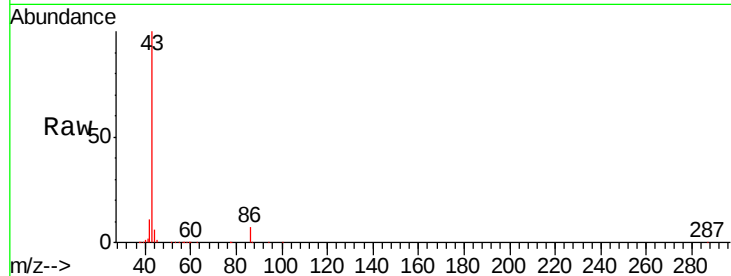
86 7.0 6.3 9.5

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#24

1,1-Dichloroethane

Concen: 20.252 ug/l

RT: 2.87 min Scan# 227

Delta R.T. -0.00 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

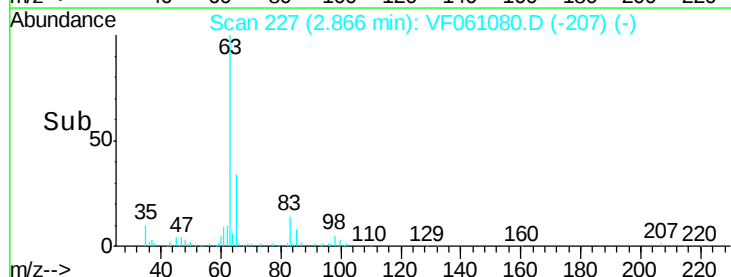
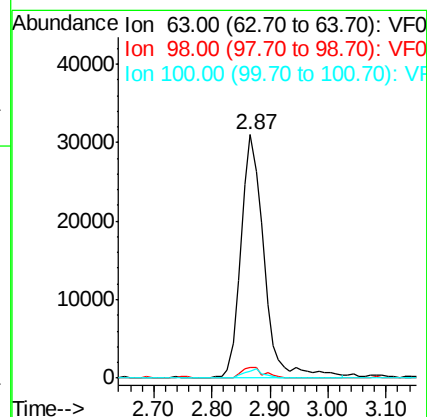
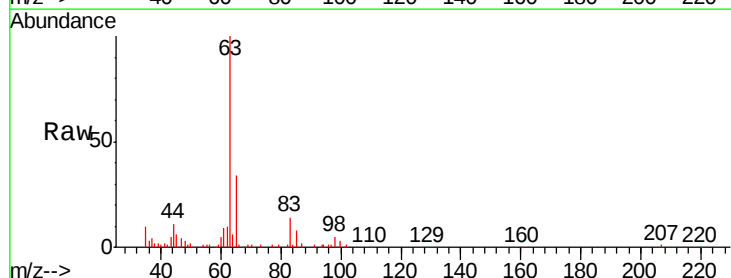
Tgt Ion: 63 Resp: 86108

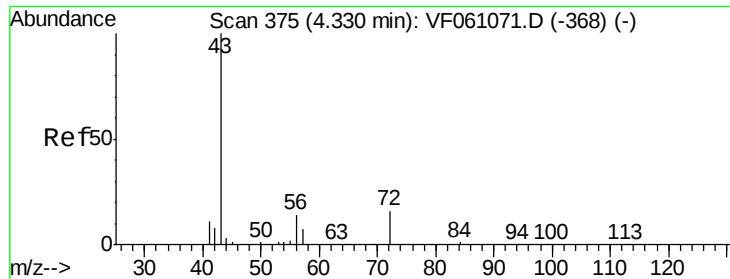
Ion Ratio Lower Upper

63 100

98 4.5 2.1 6.5

100 2.9 1.7 5.1





#25

2-Butanone

Concen: 99.718 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 43 Resp: 97652

Ion Ratio Lower Upper

43 100

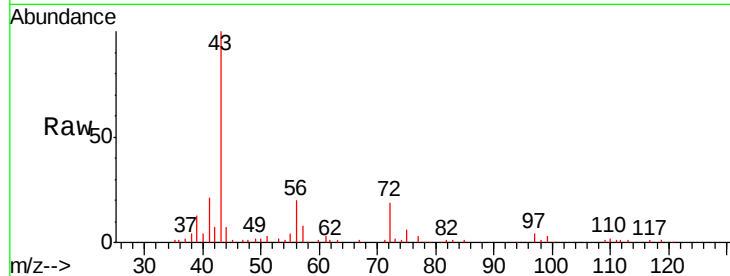
72 18.6 15.6 23.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

25000

20000

15000

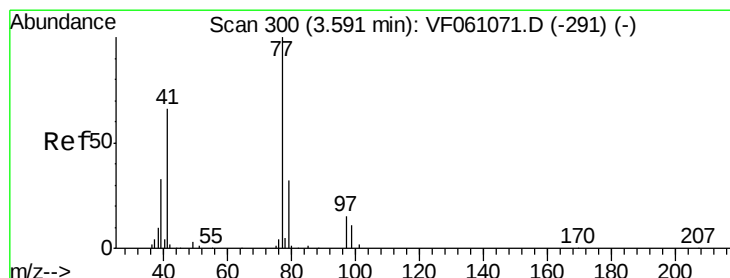
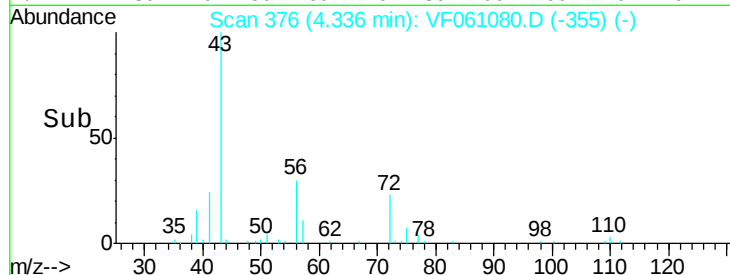
10000

5000

0

4.20 4.30 4.40 4.50

Time-->



#26

2,2-Dichloropropane

Concen: 20.803 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.01 min

Lab File: VF061080.D

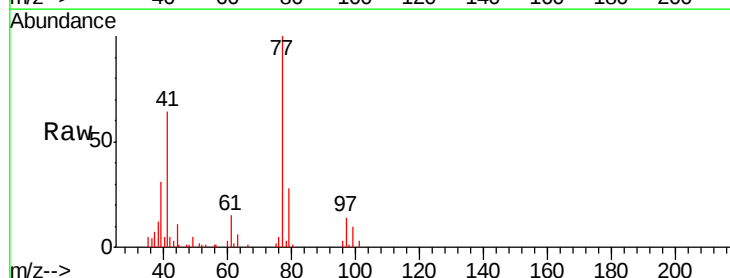
Acq: 19 Dec 2018 12:53

Tgt Ion: 77 Resp: 50759

Ion Ratio Lower Upper

77 100

97 14.5 8.2 24.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

15000

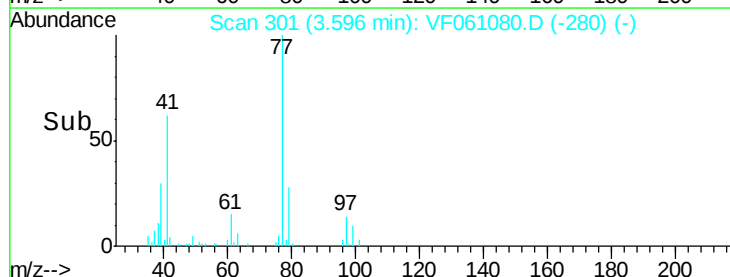
10000

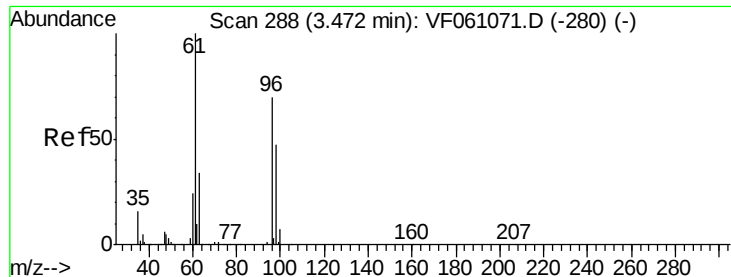
5000

0

3.40 3.50 3.60 3.70 3.80

Time-->





#27

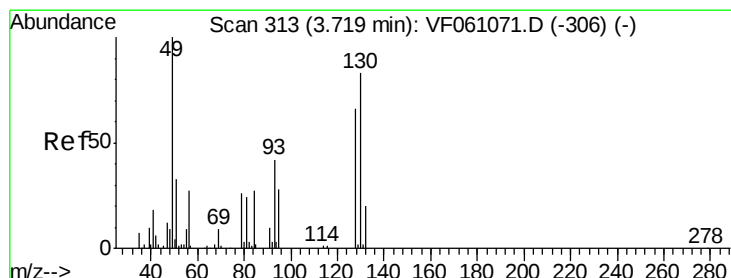
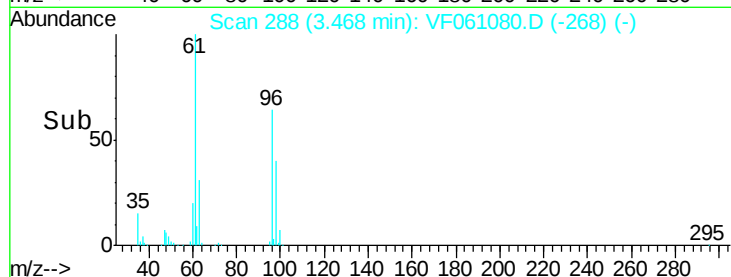
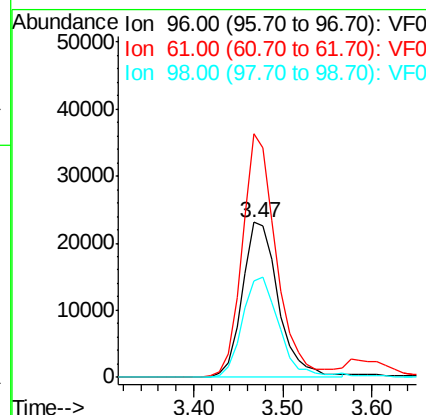
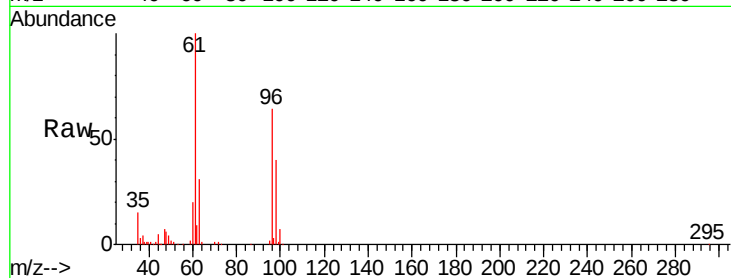
cis-1,2-Dichloroethene
 Concen: 19.125 ug/l
 RT: 3.47 min Scan# 288
 Delta R.T. -0.00 min
 Lab File: VF061080.D
 Acq: 19 Dec 2018 12:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	64826		
61	156.8	0.0	287.8	
98	62.0	0.0	134.2	

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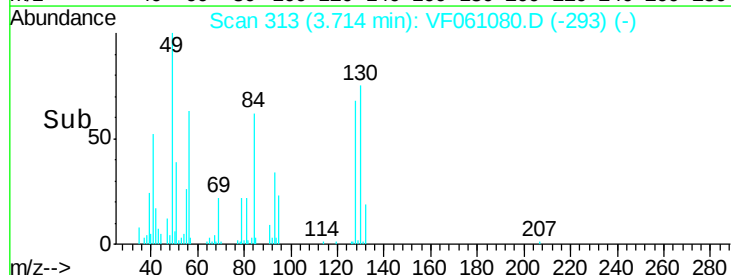
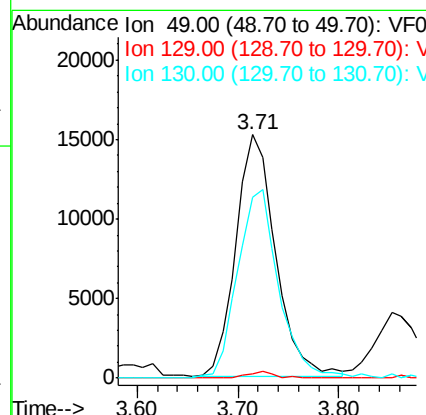
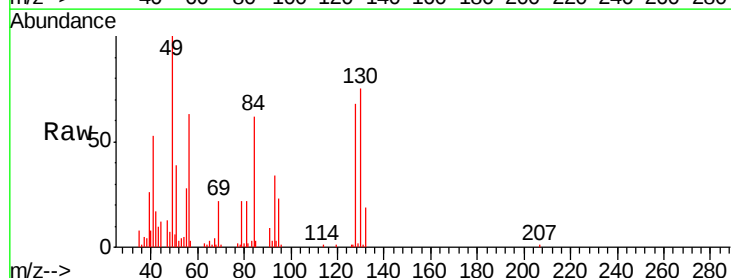
apatel
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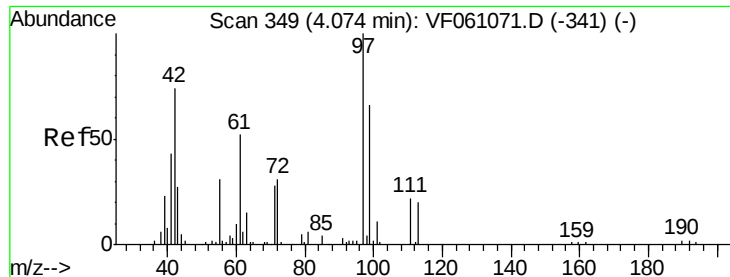


#28

Bromochloromethane
 Concen: 19.334 ug/l
 RT: 3.71 min Scan# 313
 Delta R.T. -0.00 min
 Lab File: VF061080.D
 Acq: 19 Dec 2018 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	41709		
129	1.8	0.0	3.6	
130	74.5	65.8	98.6	





#29

Tetrahydrofuran

Concen: 105.269 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 42 Resp: 41958

Ion Ratio Lower Upper

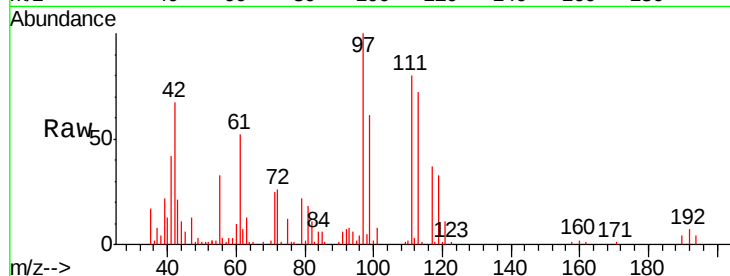
42 100

72 33.7 31.8 47.8

71 34.5 29.7 44.5

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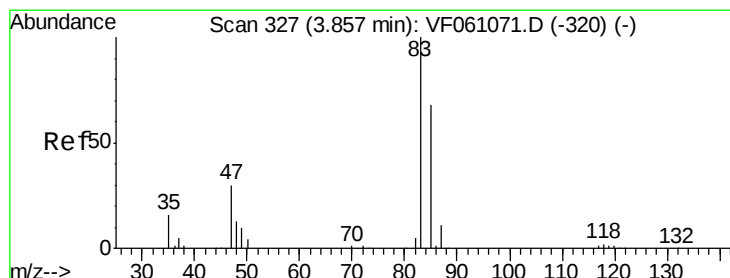
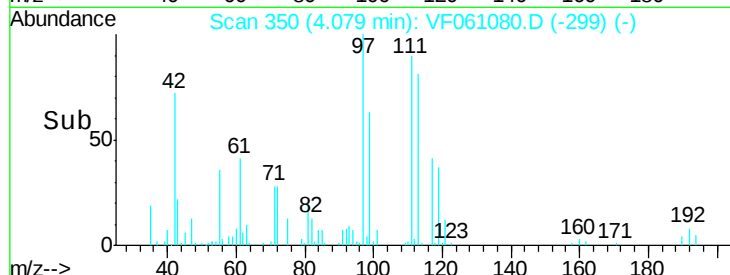
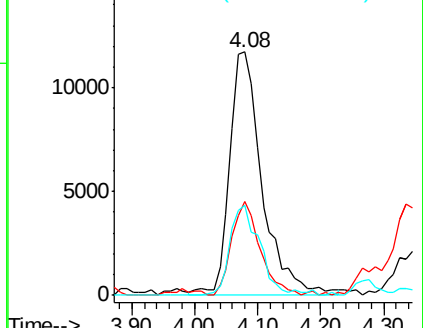
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Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 19.292 ug/l

RT: 3.85 min Scan# 327

Delta R.T. -0.00 min

Lab File: VF061080.D

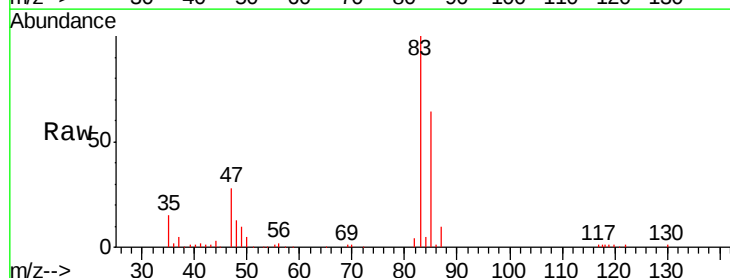
Acq: 19 Dec 2018 12:53

Tgt Ion: 83 Resp: 122993

Ion Ratio Lower Upper

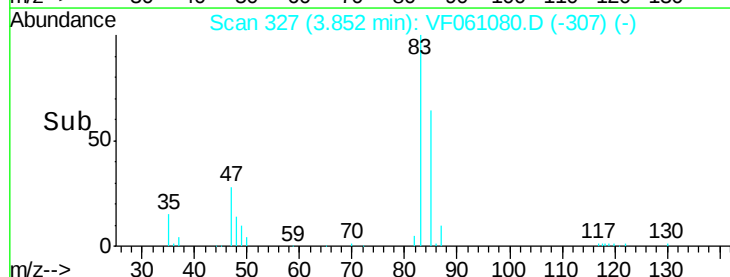
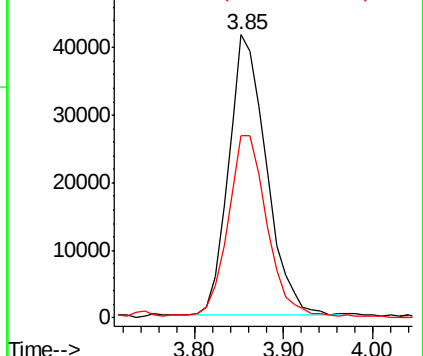
83 100

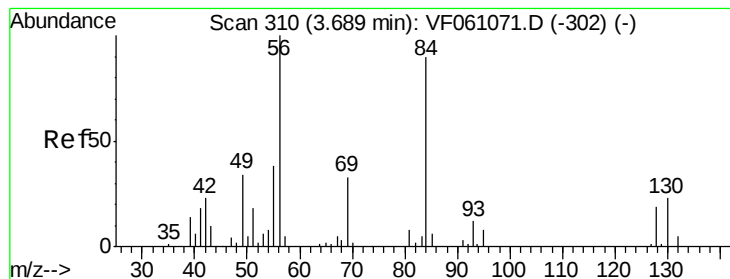
85 64.2 54.5 81.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 21.425 ug/l m

RT: 3.68 min Scan# 310

Delta R.T. -0.00 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

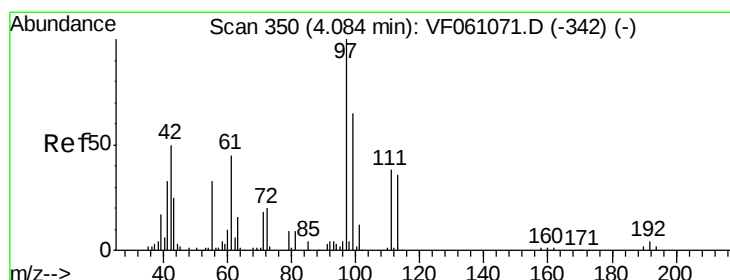
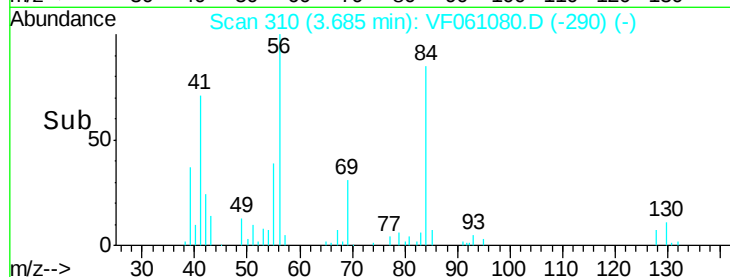
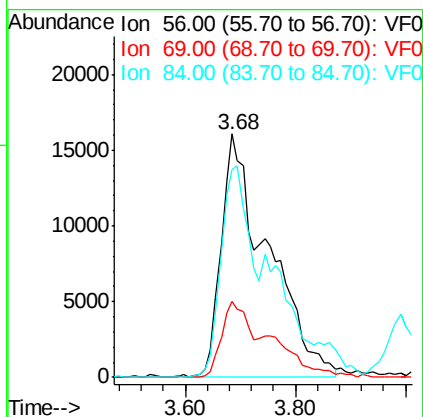
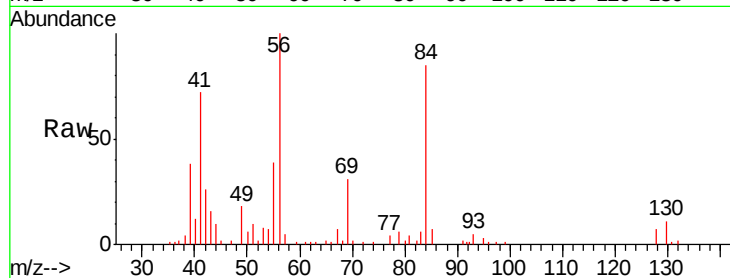
ClientSampleId :

VF1219SBS01

Tgt Ion:	56	Resp:	94526
Ion Ratio	Lower	Upper	
56	100		
69	31.2	26.0	39.0
84	85.5	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 20.201 ug/l

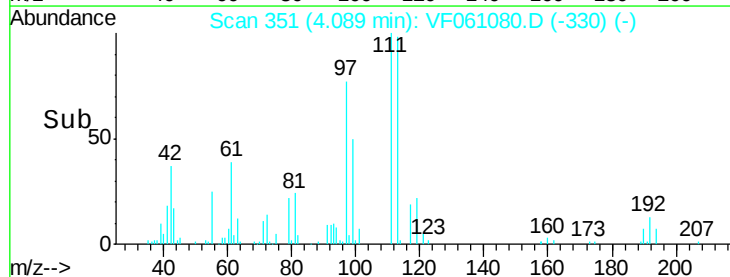
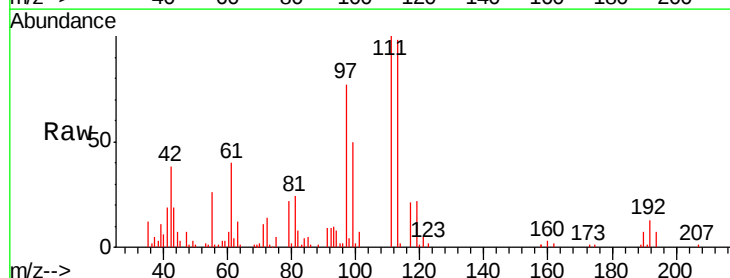
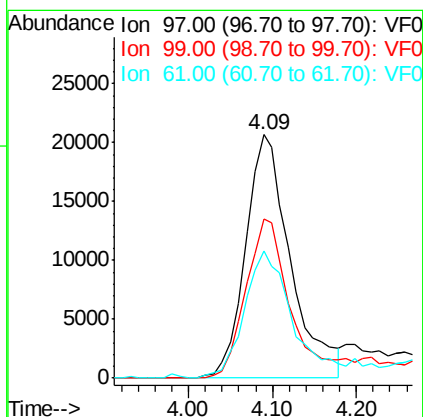
RT: 4.09 min Scan# 351

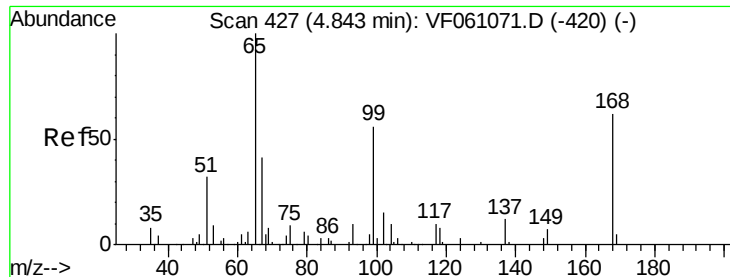
Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Tgt Ion:	97	Resp:	77192
Ion Ratio	Lower	Upper	
97	100		
99	65.5	51.6	77.4
61	52.0	36.2	54.2





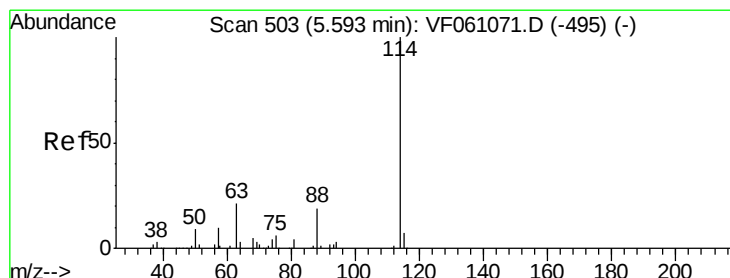
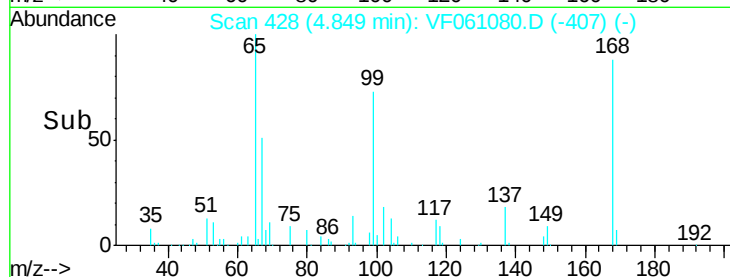
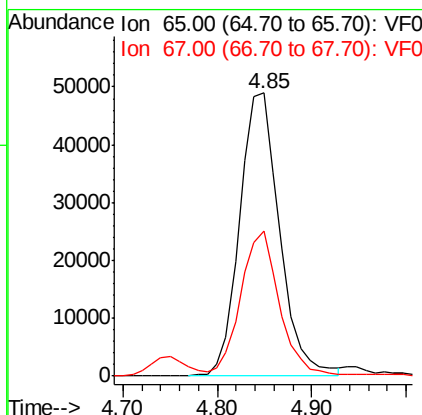
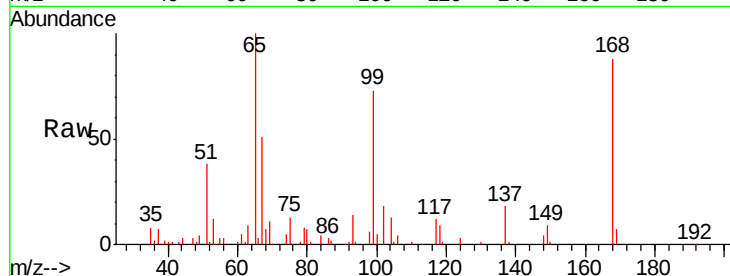
#33
 1,2-Dichloroethane-d4
 Concen: 47.227 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.01 min
 Lab File: VF061080.D
 Acq: 19 Dec 2018 12:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	142648		
67	51.2	0.0	94.6	

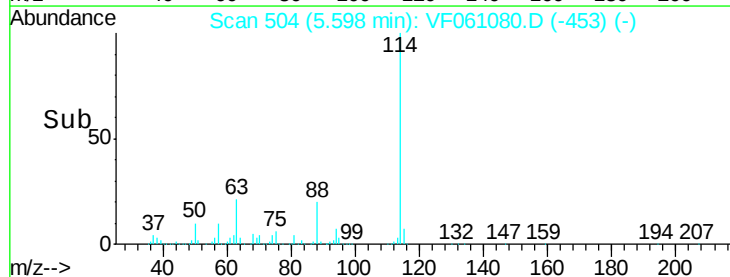
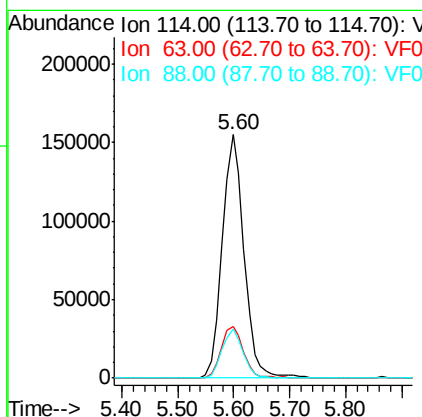
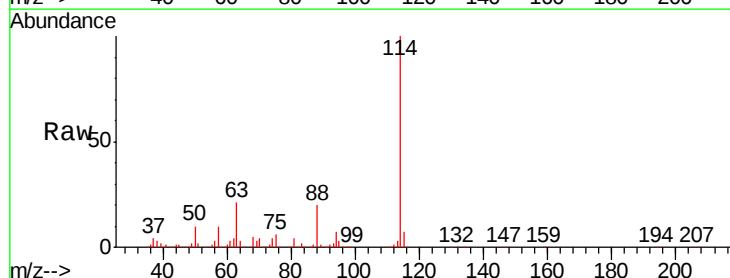
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VF061080.D
 Acq: 19 Dec 2018 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	419843		
63	20.9	0.0	41.6	
88	20.0	0.0	38.0	





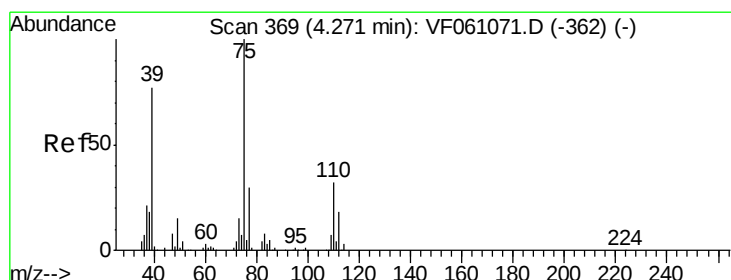
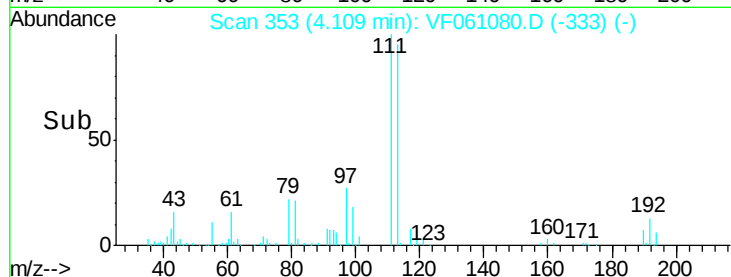
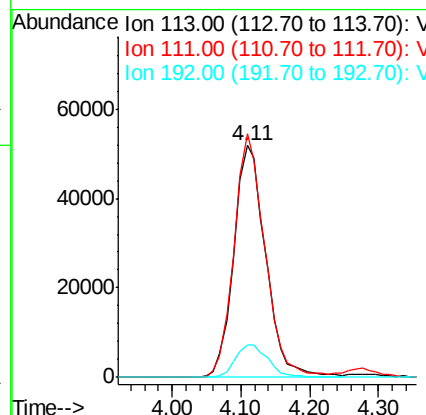
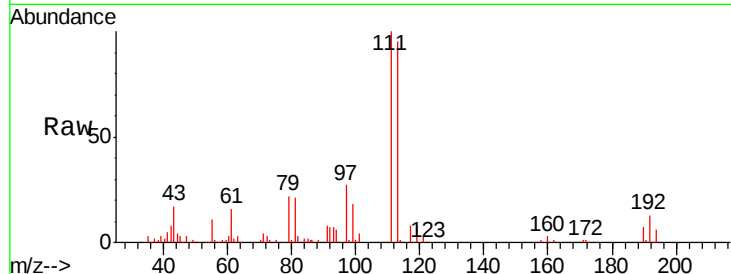
#35
 Dibromofluoromethane
 Concen: 49.547 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. -0.00 min
 Lab File: VF061080.D
 Acq: 19 Dec 2018 12:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	166635		
111	105.0	85.2	127.8	
192	13.8	12.8	19.2	

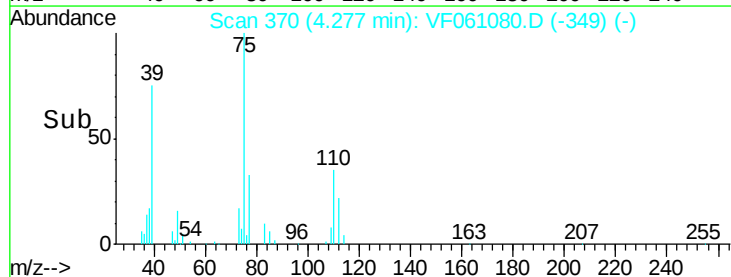
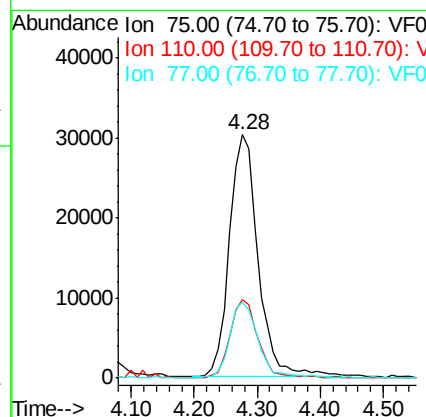
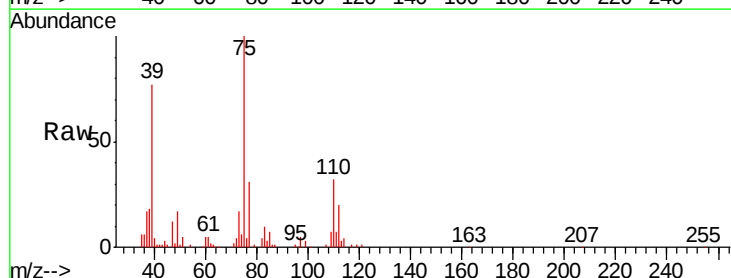
Manual Integrations
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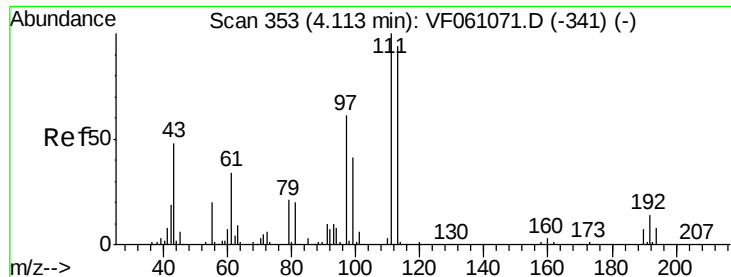
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#36
 1,1-Dichloropropene
 Concen: 18.815 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VF061080.D
 Acq: 19 Dec 2018 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	95350		
110	32.2	16.1	48.2	
77	31.1	24.5	36.7	





#37

Ethyl Acetate

Concen: 16.664 ug/l

RT: 4.11 min Scan# 353

Delta R.T. -0.00 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 43 Resp: 36860

Ion Ratio Lower Upper

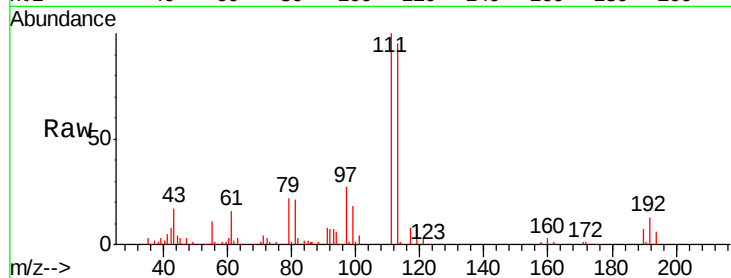
43 100

61 97.9 56.6 84.8#

70 7.1 6.3 9.5

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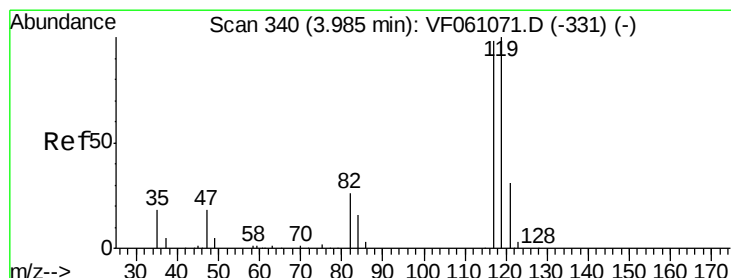
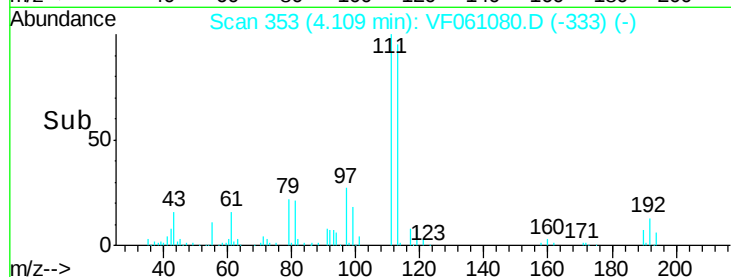
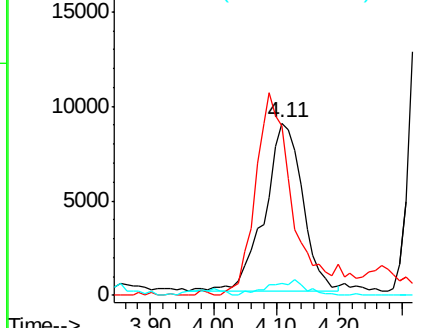
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 18.718 ug/l

RT: 3.99 min Scan# 341

Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

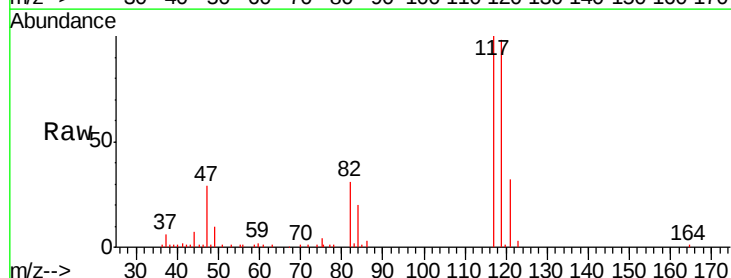
Tgt Ion: 117 Resp: 72239

Ion Ratio Lower Upper

117 100

119 97.6 82.1 123.1

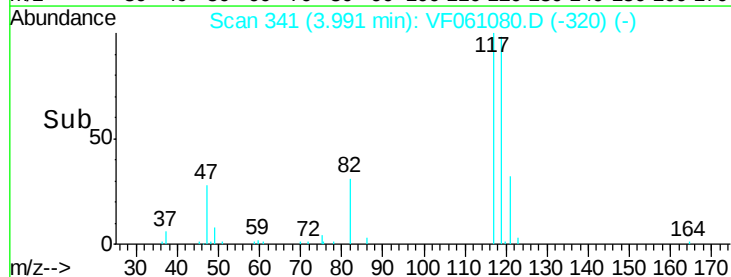
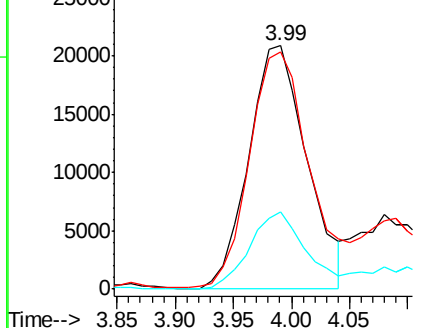
121 31.7 25.5 38.3

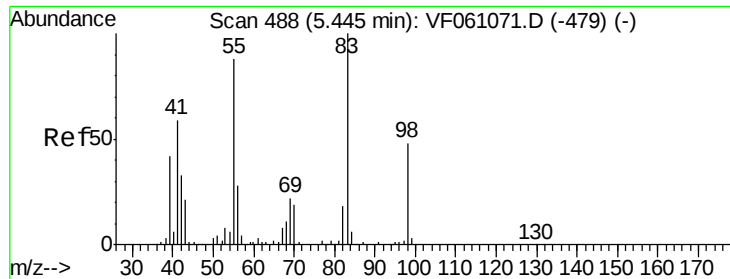


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





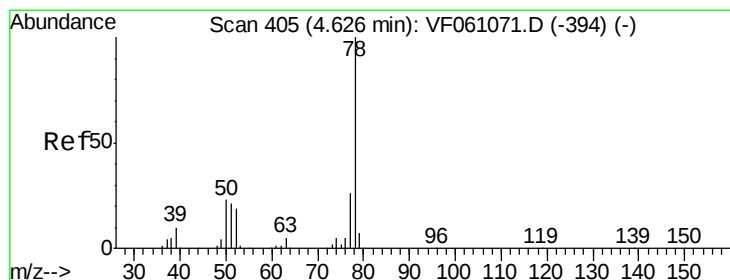
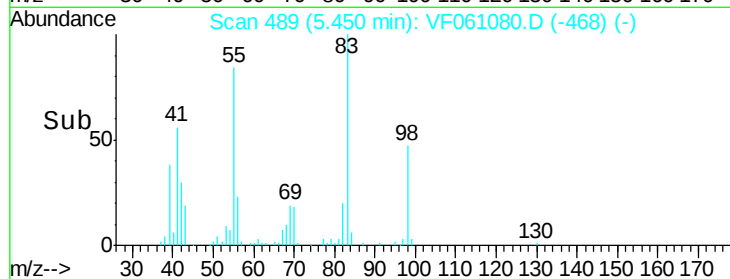
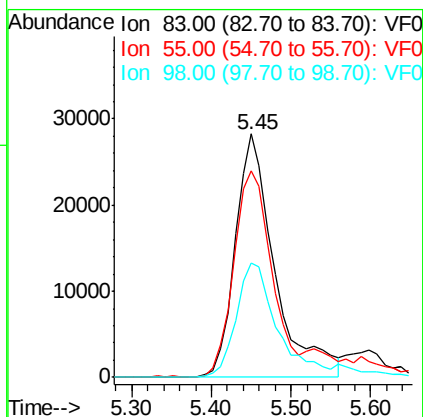
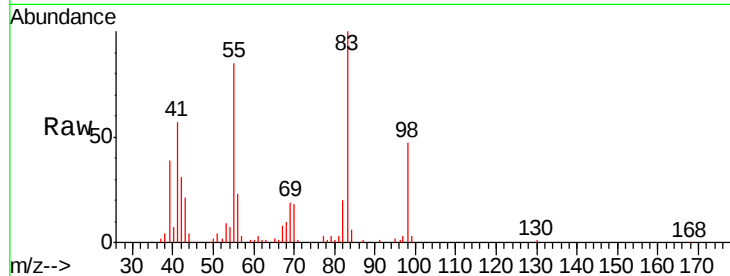
#39
Methylcyclohexane
Concen: 21.410 ug/l
RT: 5.45 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.7	70.6	105.8
98	47.2	38.5	57.7

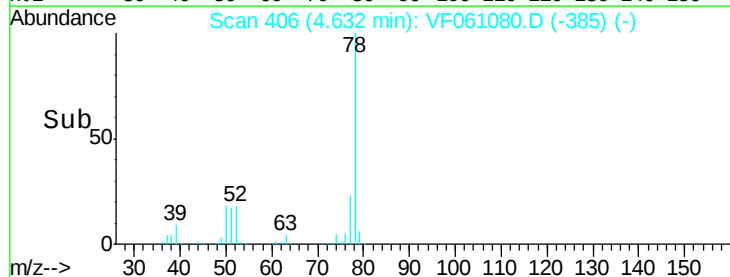
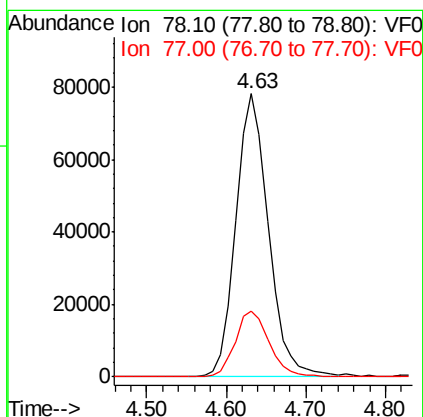
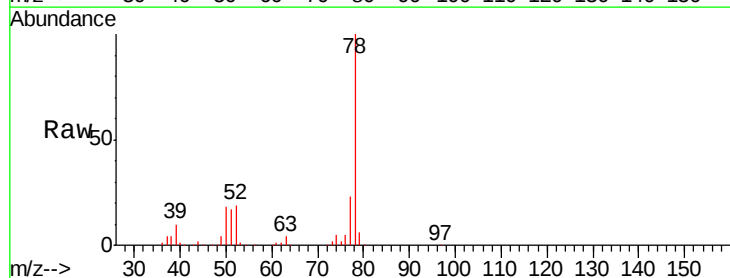
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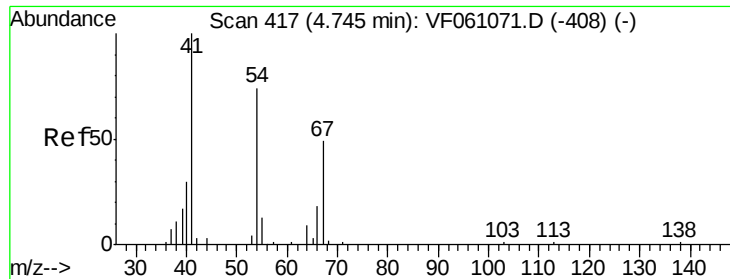
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#40
Benzene
Concen: 20.365 ug/l
RT: 4.63 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	20.7	31.1





#41

Methacrylonitrile

Concen: 19.903 ug/l

RT: 4.75 min Scan# 418

Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

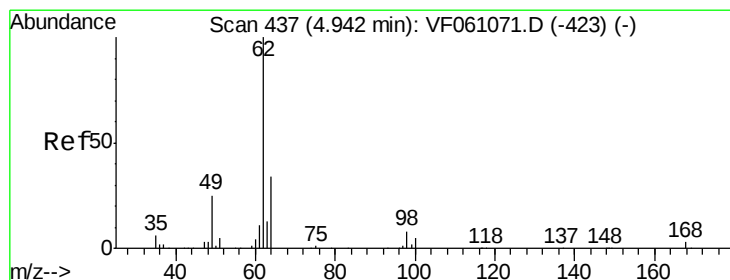
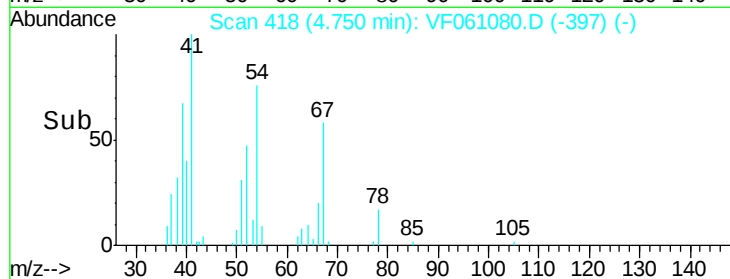
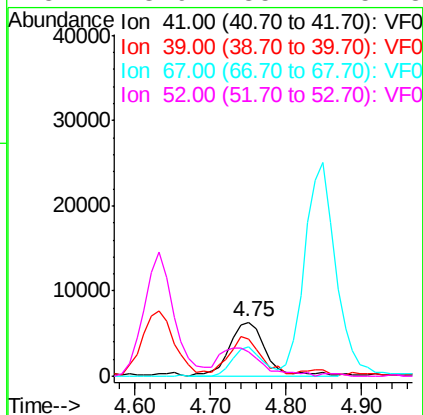
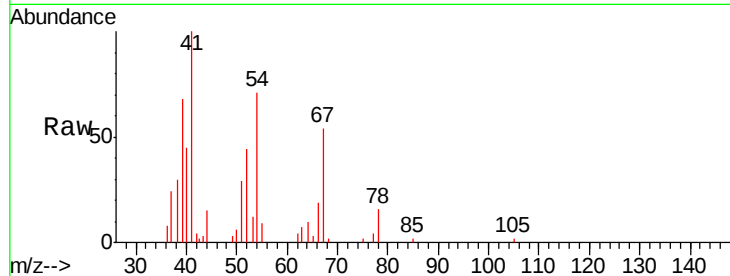
ClientSampleId :

VF1219SBS01

Tgt Ion:	41	Resp:	21302
Ion Ratio	Lower	Upper	
41	100		
39	68.2	45.7	68.5
67	54.2	38.9	58.3
52	43.9	35.2	52.8

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#42

1,2-Dichloroethane

Concen: 18.087 ug/l

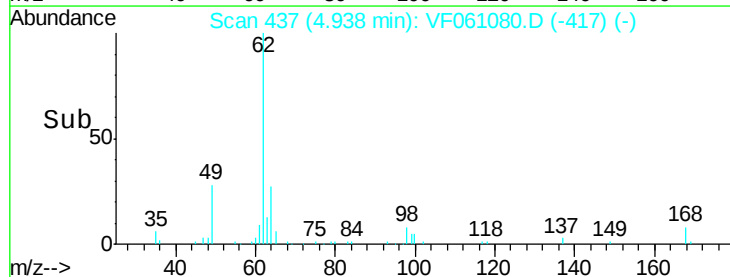
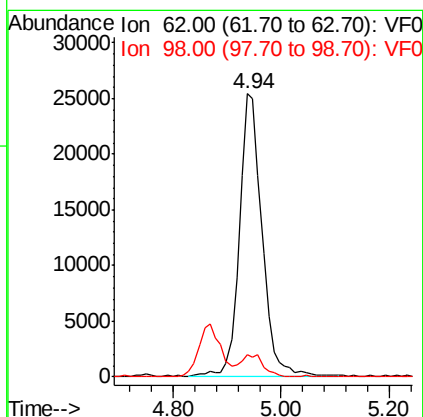
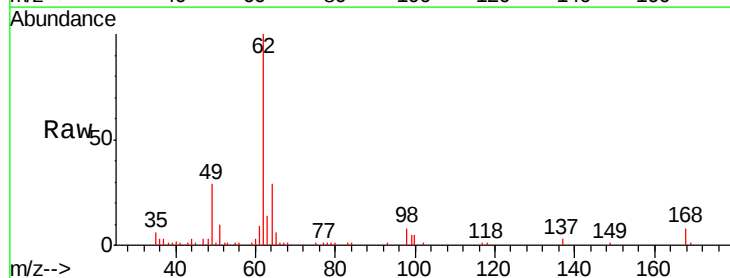
RT: 4.94 min Scan# 437

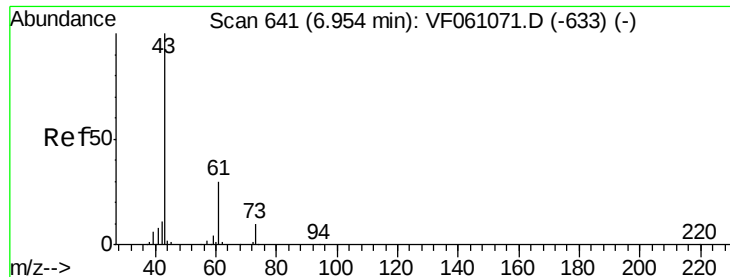
Delta R.T. -0.00 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Tgt Ion:	62	Resp:	74880
Ion Ratio	Lower	Upper	
62	100		
98	7.9	0.0	16.6





#43

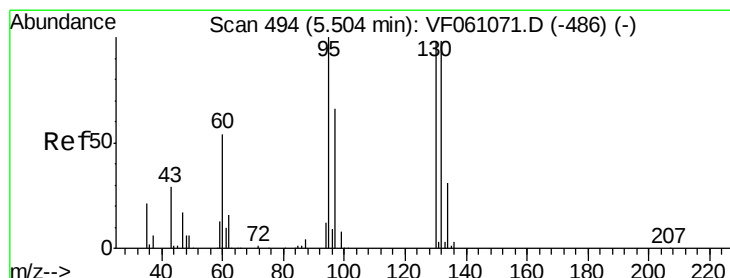
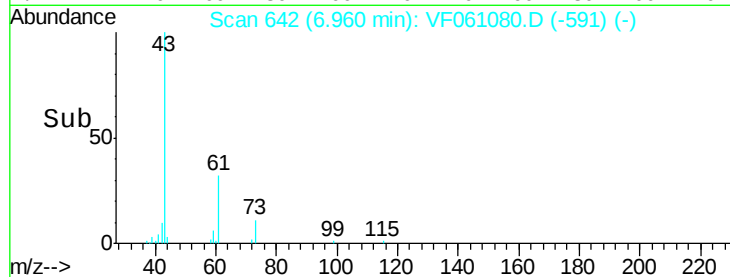
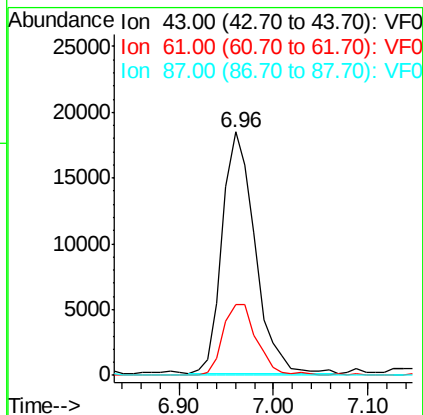
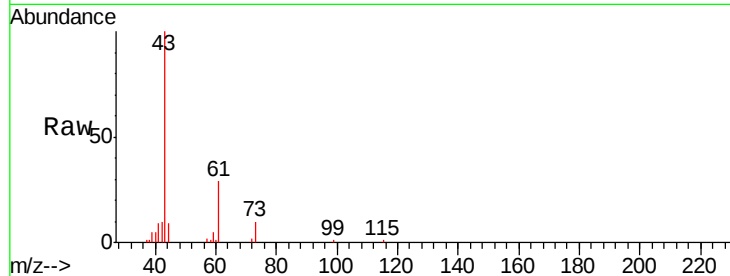
Isopropyl Acetate
 Concen: 18.232 ug/l
 RT: 6.96 min Scan# 642
 Delta R.T. 0.01 min
 Lab File: VF061080.D
 Acq: 19 Dec 2018 12:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1219SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.8	35.8
87	0.0	0.0	0.0

Manual Integrations
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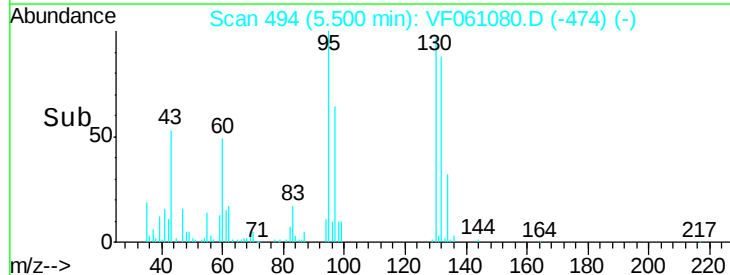
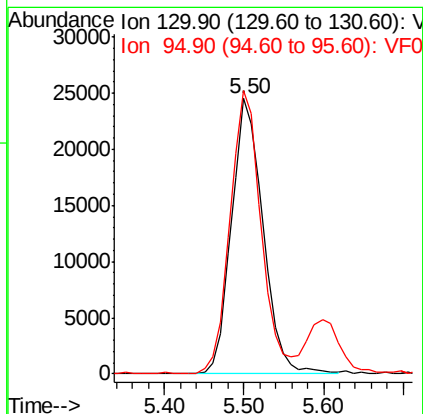
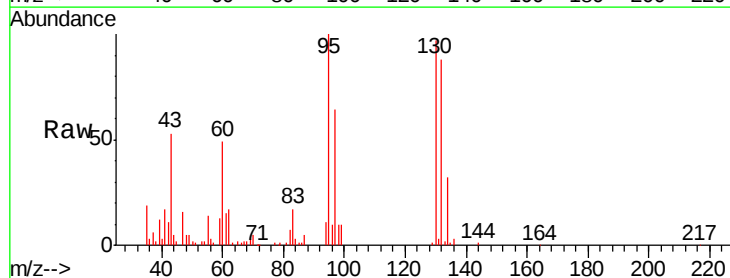
apatel
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#44

Trichloroethene
 Concen: 19.725 ug/l
 RT: 5.50 min Scan# 494
 Delta R.T. -0.00 min
 Lab File: VF061080.D
 Acq: 19 Dec 2018 12:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	205.2





#45

1,2-Dichloropropane

Concen: 17.974 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 63 Resp: 53295

Ion Ratio Lower Upper

63 100

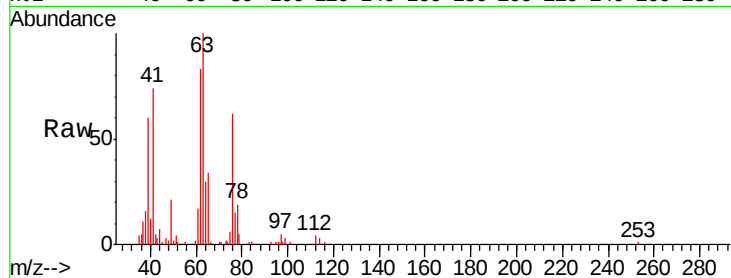
65 33.7 24.4 36.6

Manual Integrations

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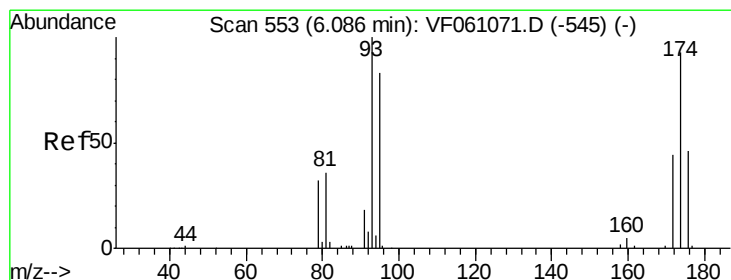
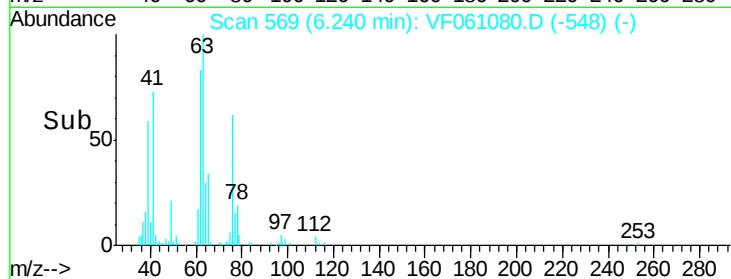
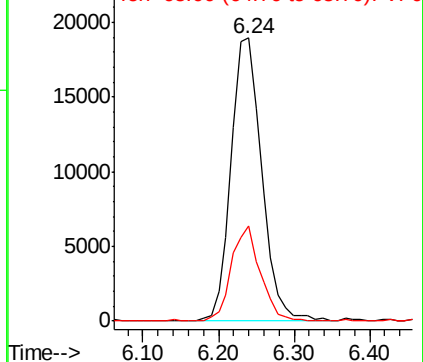
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 17.646 ug/l

RT: 6.09 min Scan# 554

Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

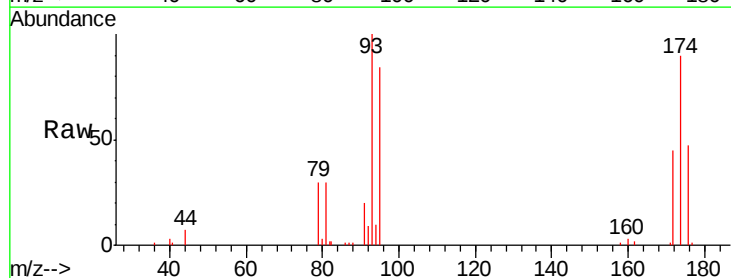
Tgt Ion: 93 Resp: 33936

Ion Ratio Lower Upper

93 100

95 83.8 66.9 100.3

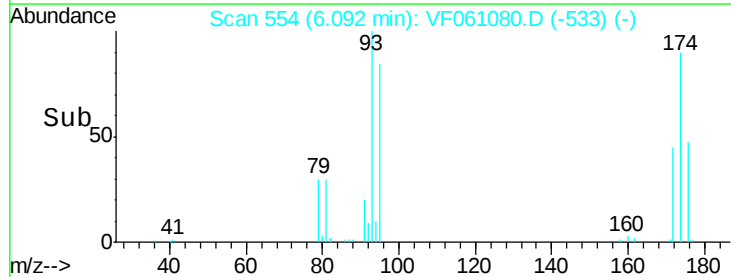
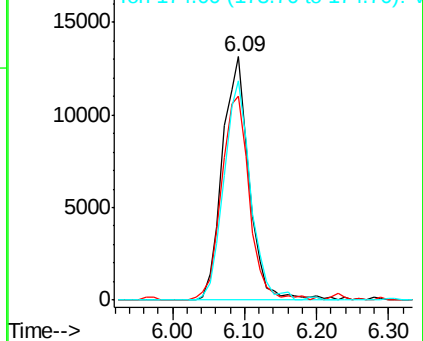
174 90.3 74.1 111.1

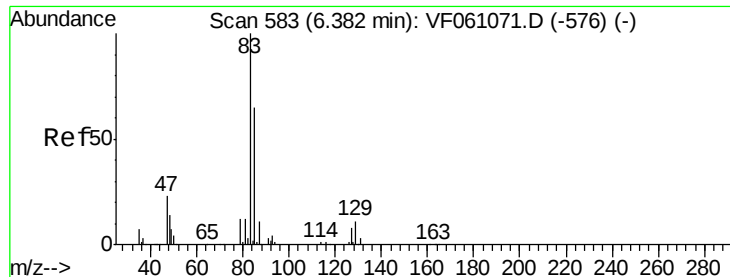


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 18.893 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.00 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

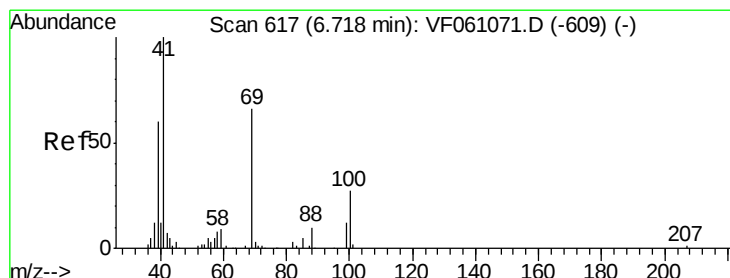
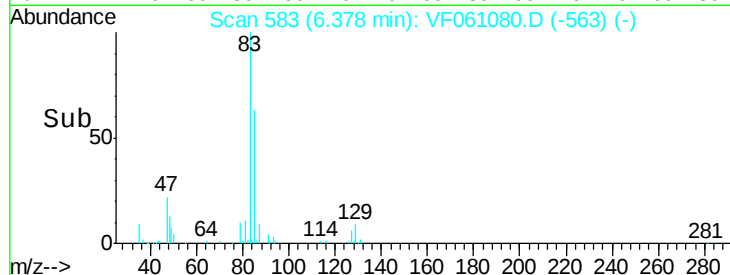
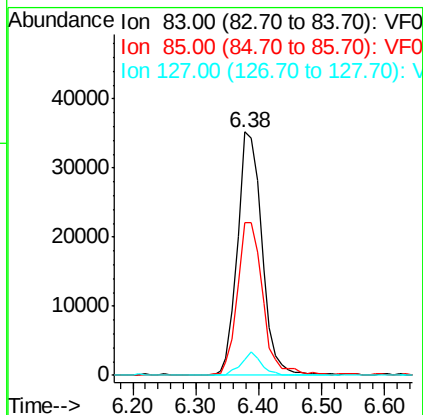
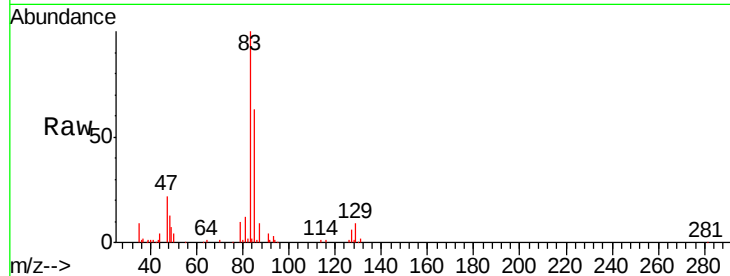
ClientSampleId :

VF1219SBS01

Tgt Ion:	83	Resp:	94403
Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.2	78.4
127	6.2	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.662 ug/l

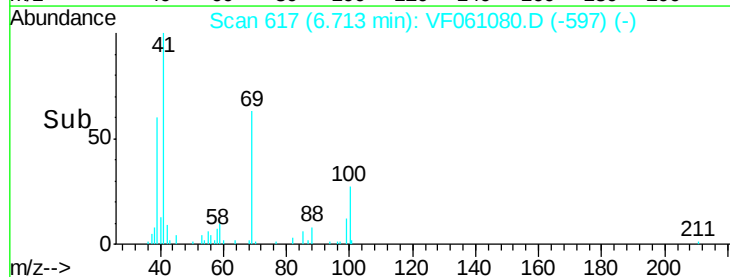
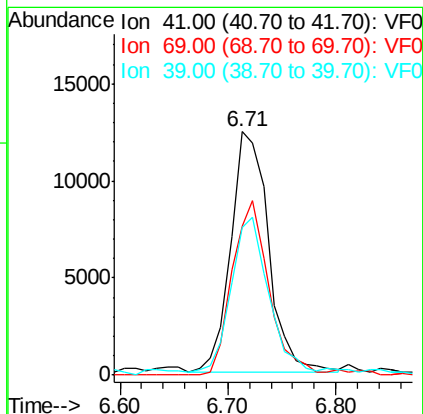
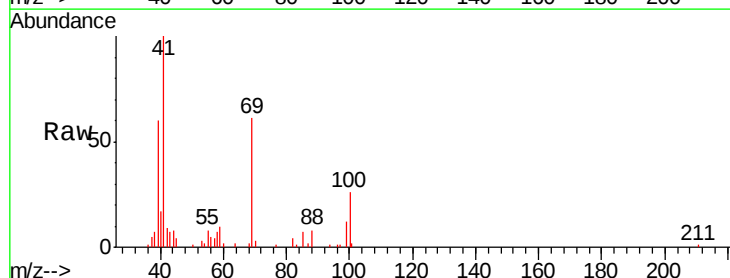
RT: 6.71 min Scan# 617

Delta R.T. -0.00 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Tgt Ion:	41	Resp:	30172
Ion	Ratio	Lower	Upper
41	100		
69	61.3	52.7	79.1
39	60.4	47.8	71.6





#49

1,4-Dioxane

Concen: 298.667 ug/l

RT: 6.70 min Scan# 616

Delta R.T. -0.00 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

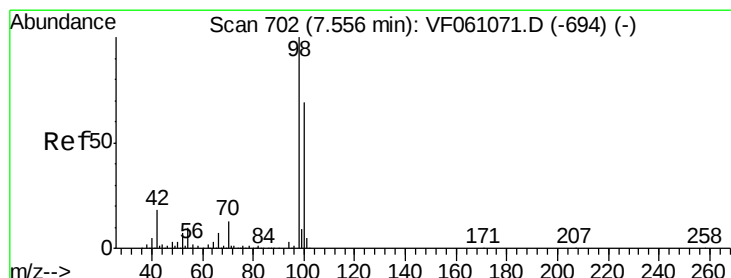
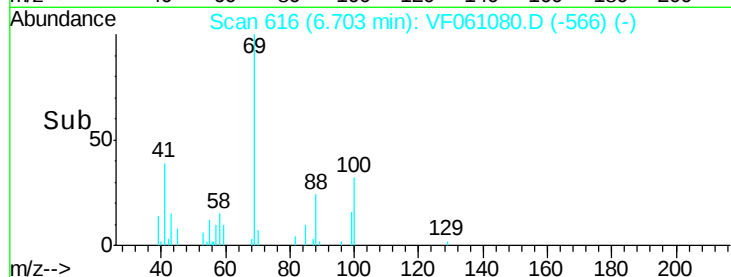
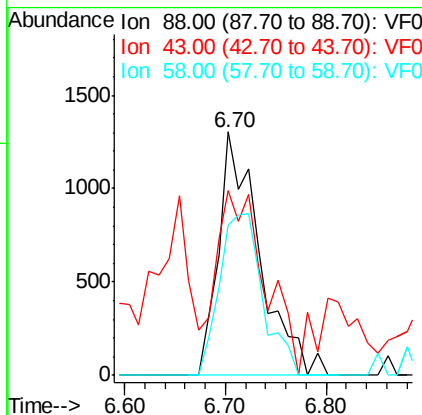
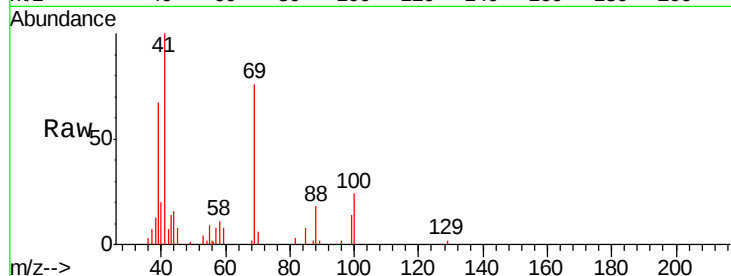
ClientSampleId :

VF1219SBS01

Tgt Ion:	88	Resp:	3702
Ion	Ratio	Lower	Upper
88	100		
43	75.8	33.3	49.9#
58	62.0	53.2	79.8

Manual Integrations
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#50

Toluene-d8

Concen: 50.283 ug/l

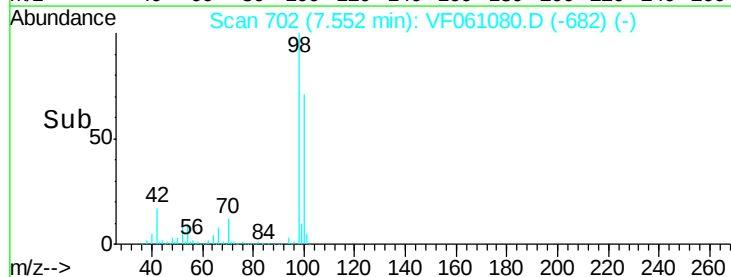
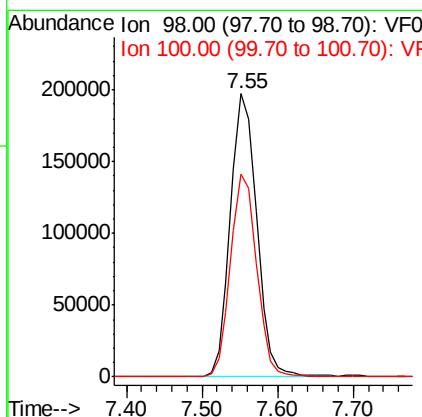
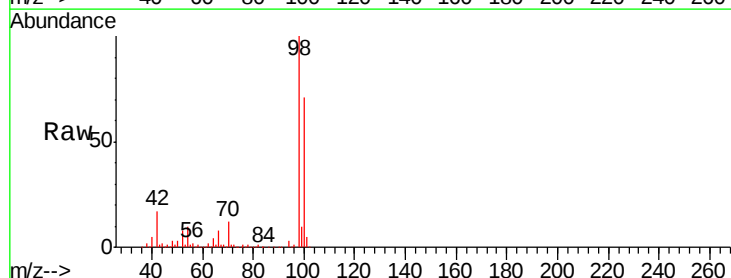
RT: 7.55 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Tgt Ion:	98	Resp:	479239
Ion	Ratio	Lower	Upper
98	100		
100	71.4	55.3	82.9





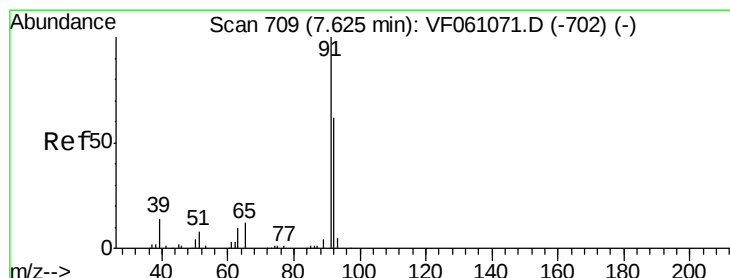
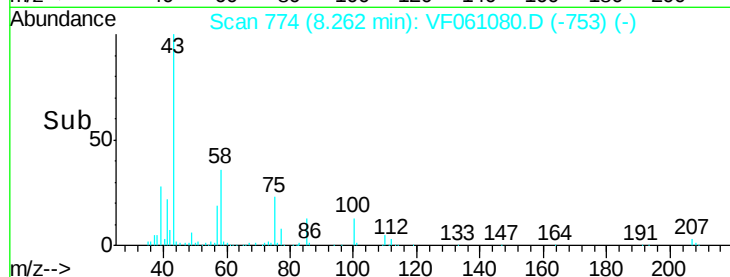
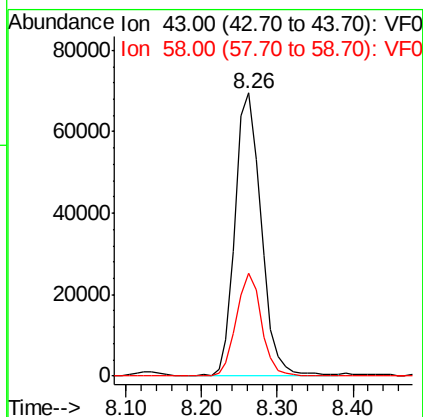
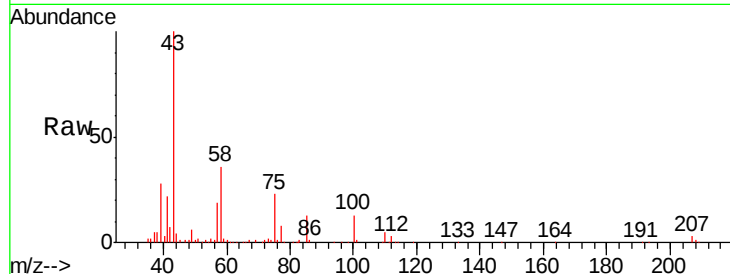
#51
 4-Methyl-2-Pentanone
 Concen: 98.956 ug/l
 RT: 8.26 min Scan# 774
 Delta R.T. 0.01 min
 Lab File: VF061080.D
 Acq: 19 Dec 2018 12:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1219SBS01

Tgt Ion: 43 Resp: 166067
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.1 43.7

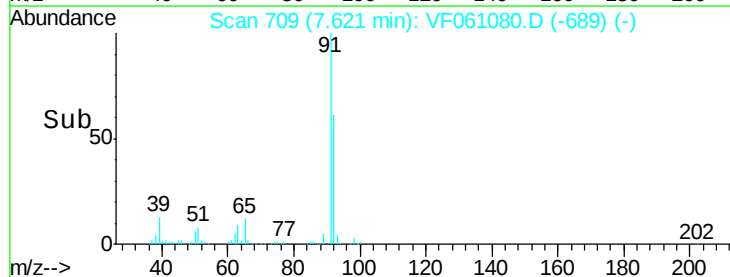
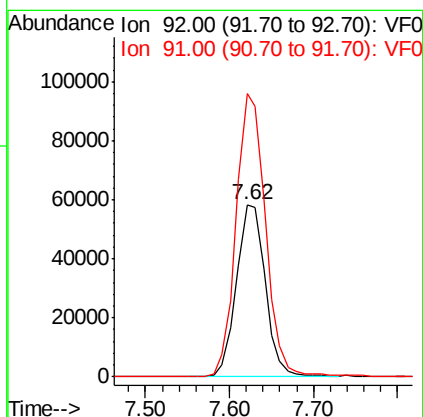
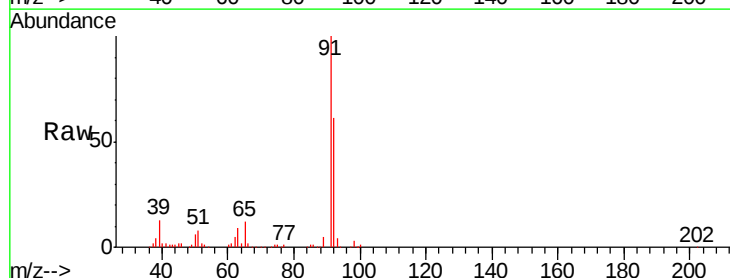
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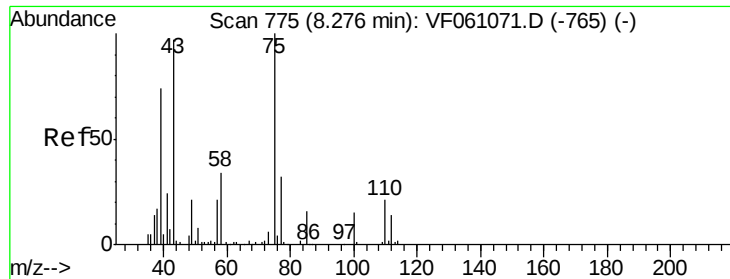
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#52
 Toluene
 Concen: 19.394 ug/l
 RT: 7.62 min Scan# 709
 Delta R.T. -0.00 min
 Lab File: VF061080.D
 Acq: 19 Dec 2018 12:53

Tgt Ion: 92 Resp: 139912
 Ion Ratio Lower Upper
 92 100
 91 164.0 128.8 193.2





#53

t-1,3-Dichloropropene

Concen: 18.891 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 75 Resp: 76146

Ion Ratio Lower Upper

75 100

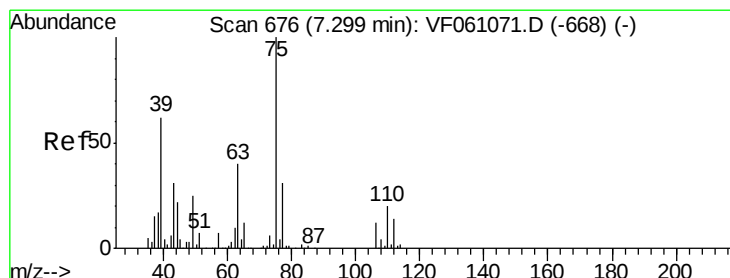
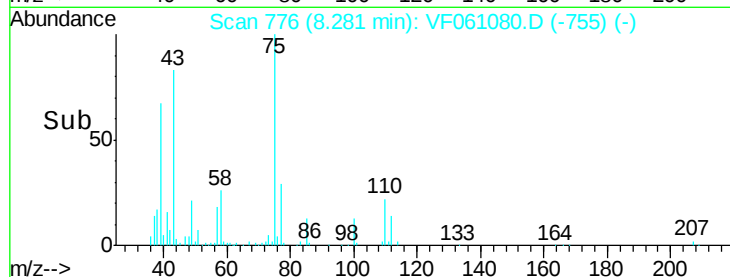
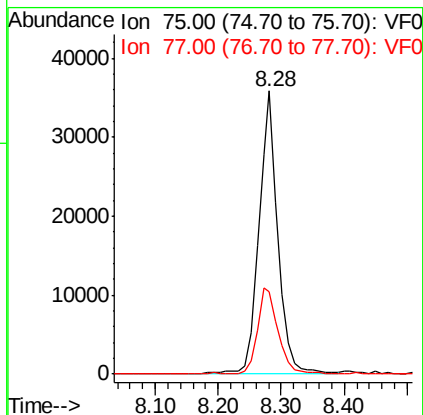
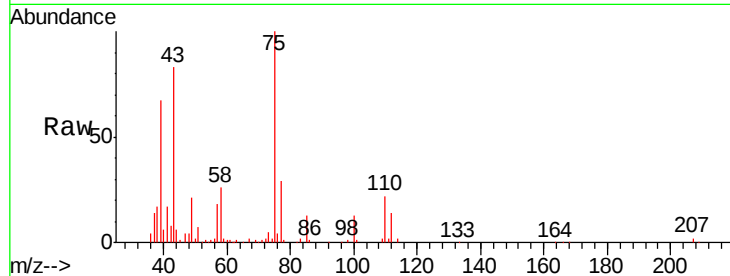
77 29.0 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 19.308 ug/l

RT: 7.30 min Scan# 677

Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

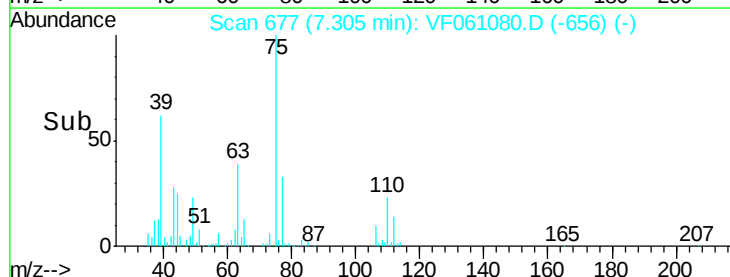
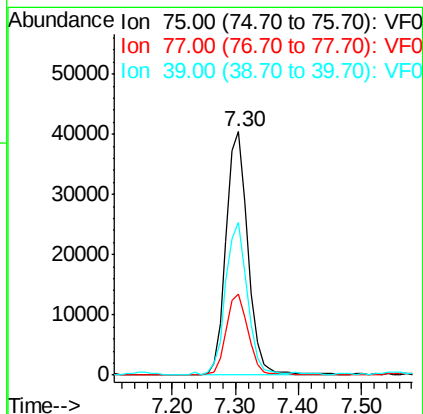
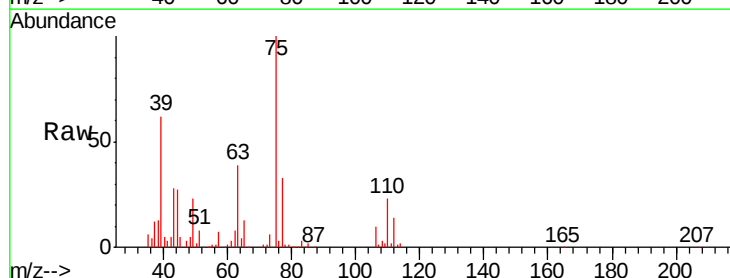
Tgt Ion: 75 Resp: 97681

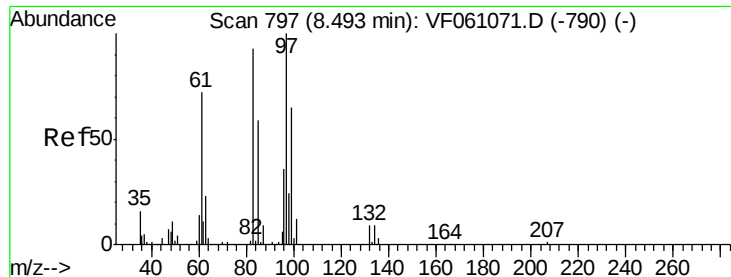
Ion Ratio Lower Upper

75 100

77 33.2 25.0 37.4

39 62.5 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 18.773 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

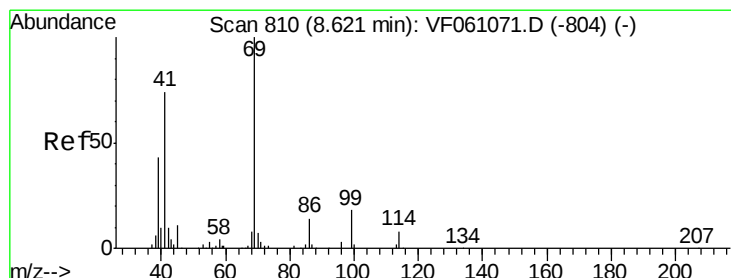
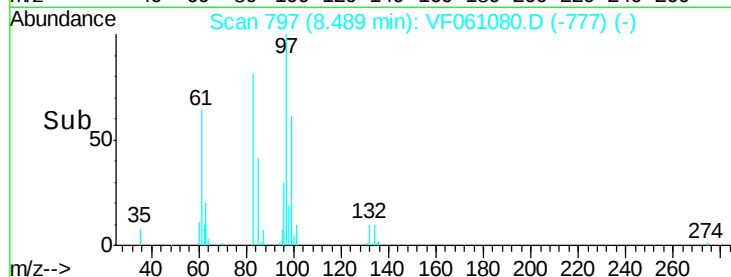
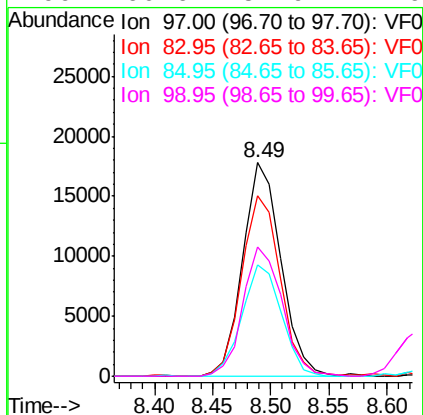
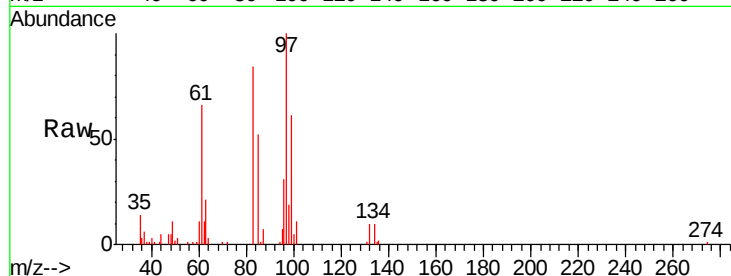
ClientSampleId :

VF1219SBS01

Tgt Ion:	97	Resp:	40601
Ion	Ratio	Lower	Upper
97	100		
83	84.3	75.0	112.4
85	52.3	47.5	71.3
99	60.6	51.9	77.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 18.310 ug/l

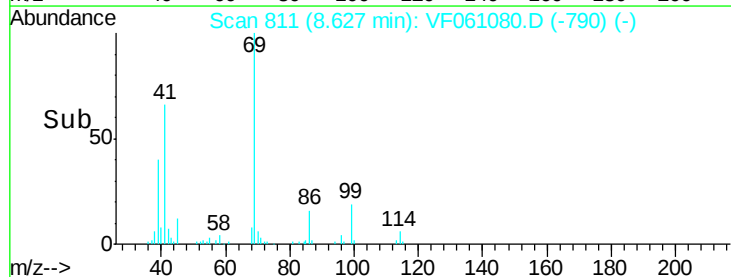
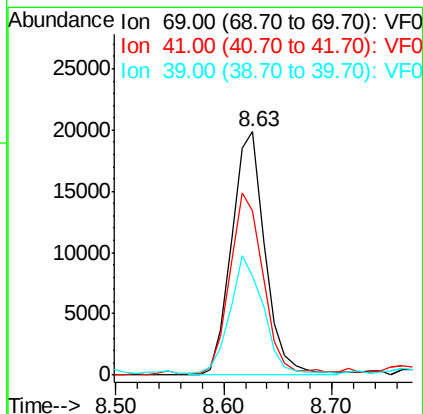
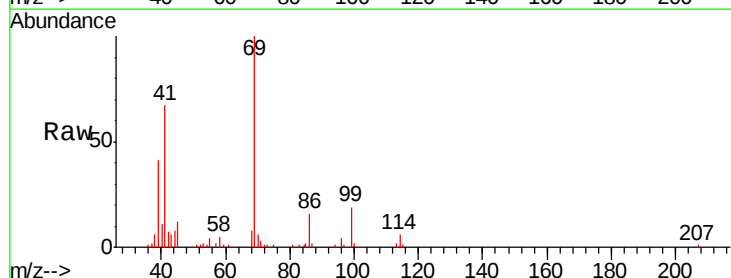
RT: 8.63 min Scan# 811

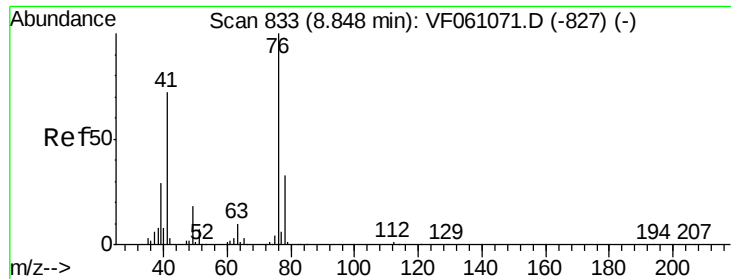
Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Tgt Ion:	69	Resp:	42848
Ion	Ratio	Lower	Upper
69	100		
41	67.2	59.7	89.5
39	40.5	35.0	52.6





#57

1,3-Dichloropropane

Concen: 18.188 ug/l

RT: 8.85 min Scan# 834

Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 76 Resp: 71144

Ion Ratio Lower Upper

76 100

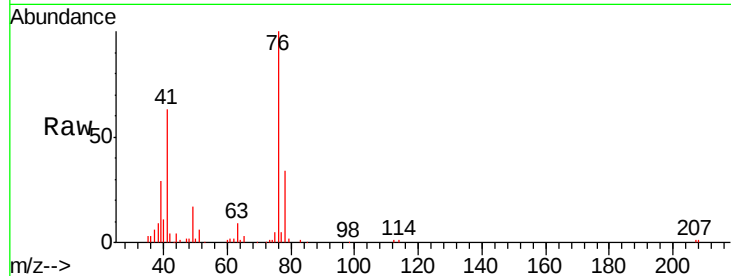
78 33.6 26.5 39.7

Manual Integrations

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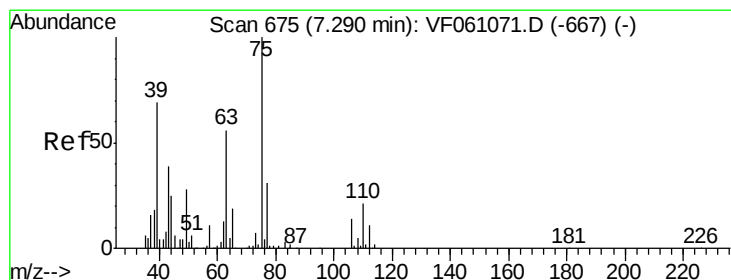
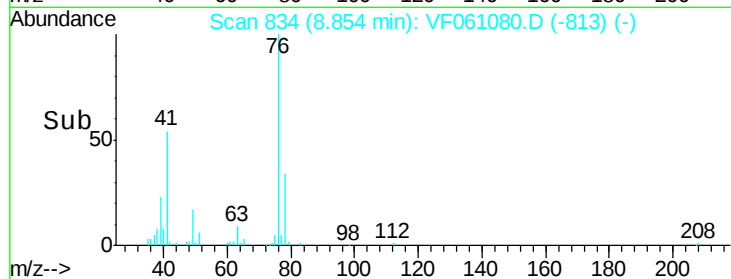
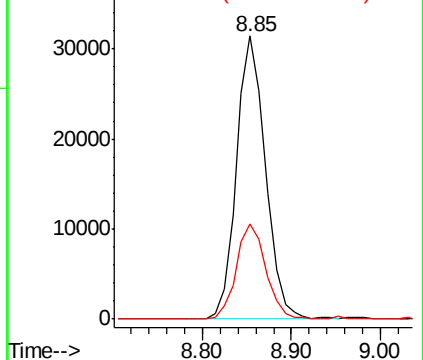
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 95.717 ug/l

RT: 7.30 min Scan# 676

Delta R.T. 0.01 min

Lab File: VF061080.D

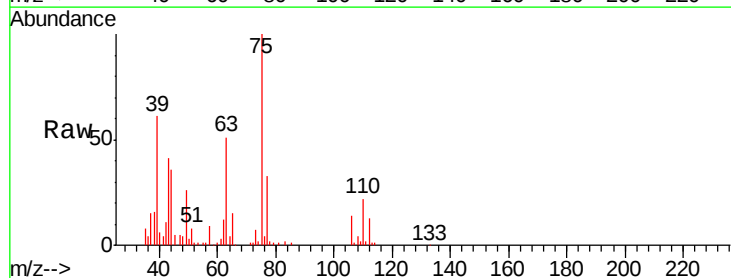
Acq: 19 Dec 2018 12:53

Tgt Ion: 63 Resp: 43020

Ion Ratio Lower Upper

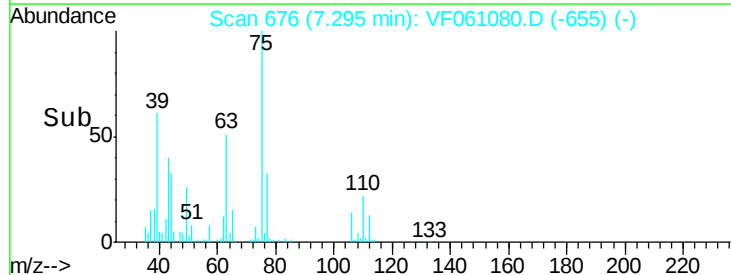
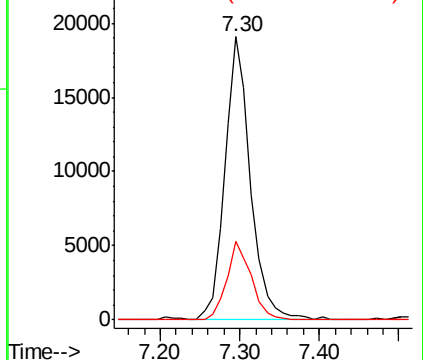
63 100

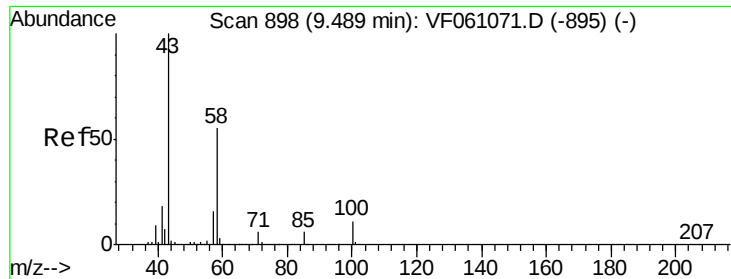
106 27.9 19.8 29.8



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





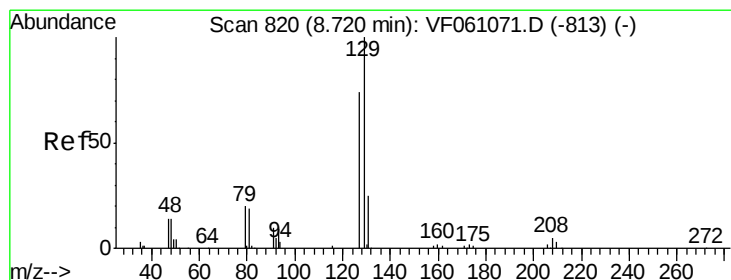
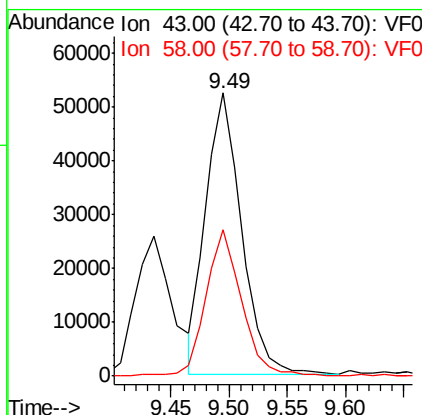
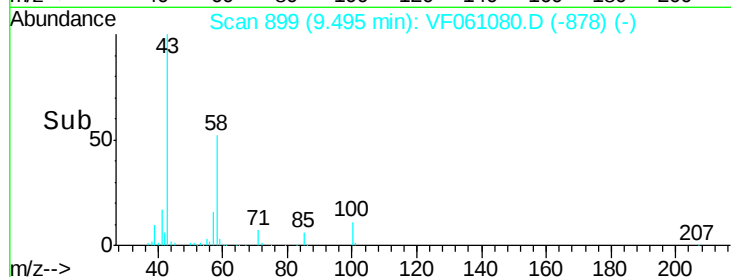
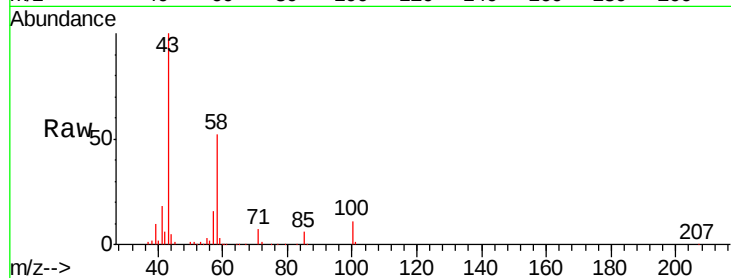
#59
2-Hexanone
Concen: 92.068 ug/l
RT: 9.49 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion: 43 Resp: 111737
Ion Ratio Lower Upper
43 100
58 51.8 25.1 75.2

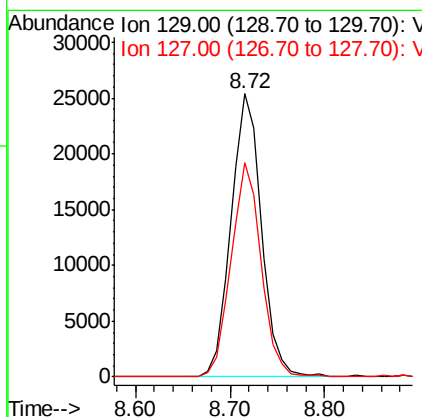
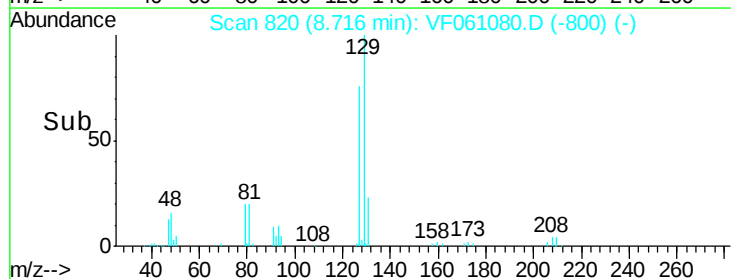
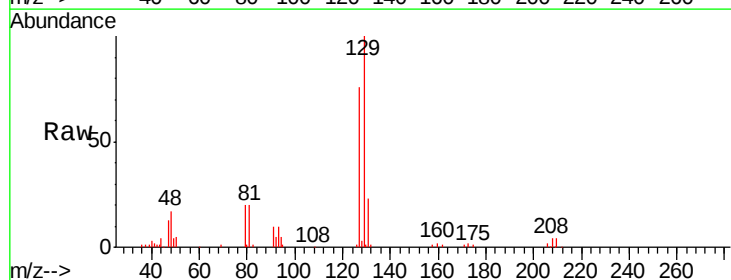
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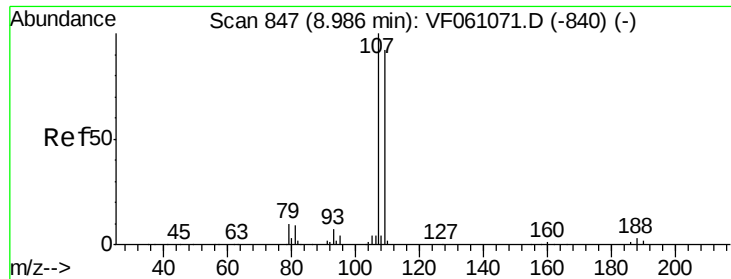
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#60
Dibromochloromethane
Concen: 18.219 ug/l
RT: 8.72 min Scan# 820
Delta R.T. -0.00 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Tgt Ion: 129 Resp: 56480
Ion Ratio Lower Upper
129 100
127 75.9 36.8 110.3





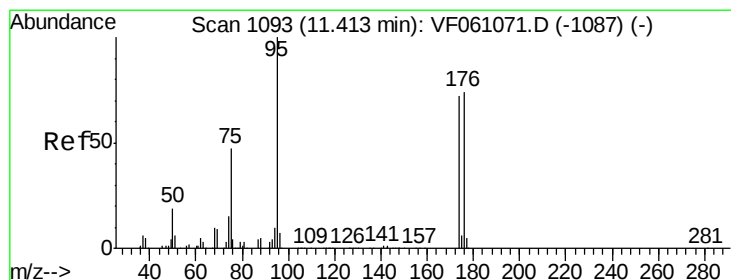
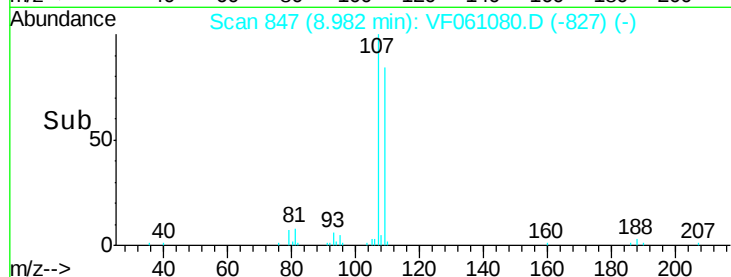
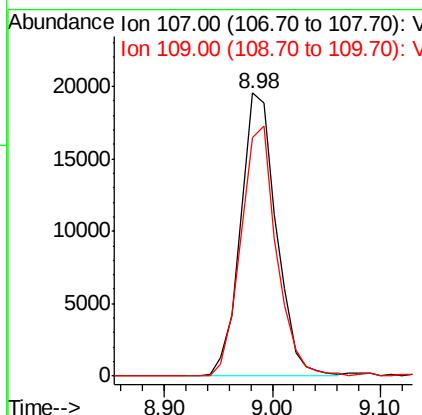
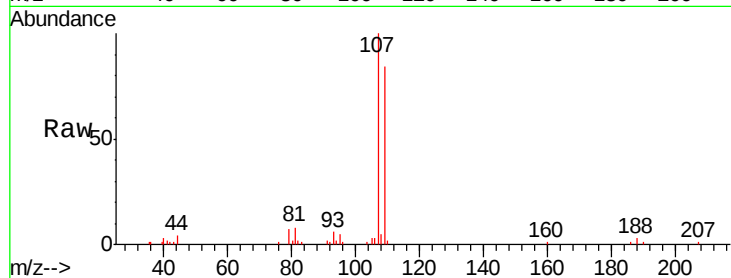
#61
 1,2-Dibromoethane
 Concen: 19.489 ug/l
 RT: 8.98 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VF061080.D
 Acq: 19 Dec 2018 12:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1219SBS01

Tgt Ion: 107 Resp: 45014
 Ion Ratio Lower Upper
 107 100
 109 84.3 73.7 110.5

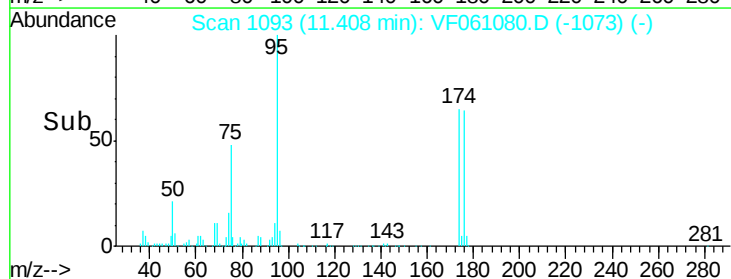
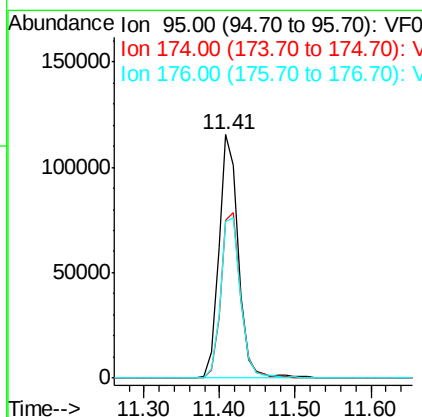
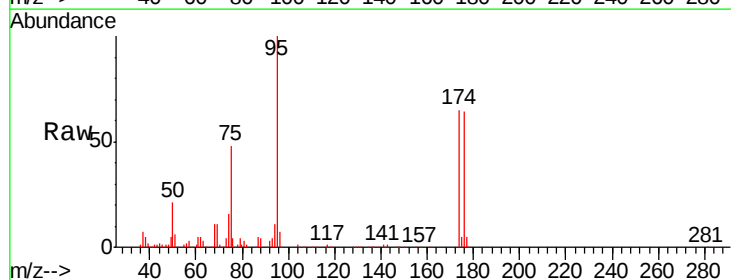
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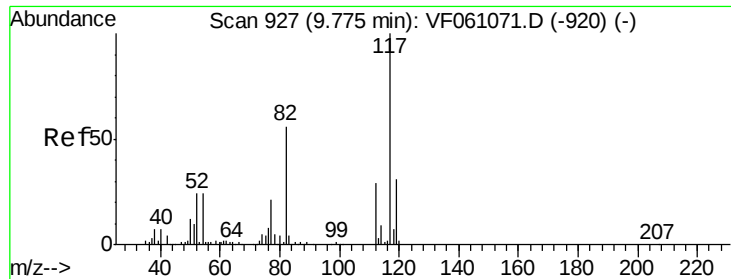
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#62
 4-Bromofluorobenzene
 Concen: 47.392 ug/l
 RT: 11.41 min Scan# 1093
 Delta R.T. -0.00 min
 Lab File: VF061080.D
 Acq: 19 Dec 2018 12:53

Tgt Ion: 95 Resp: 208234
 Ion Ratio Lower Upper
 95 100
 174 64.7 0.0 143.8
 176 64.3 0.0 147.6





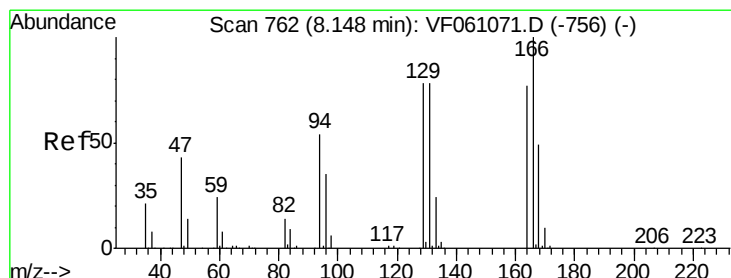
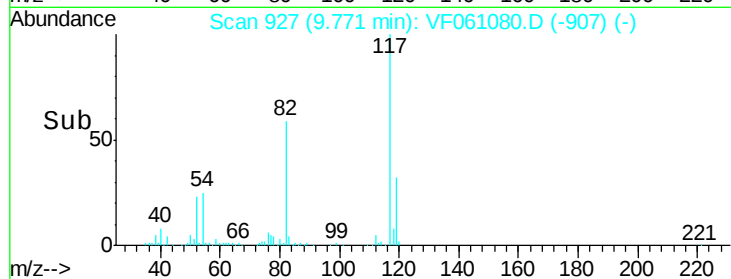
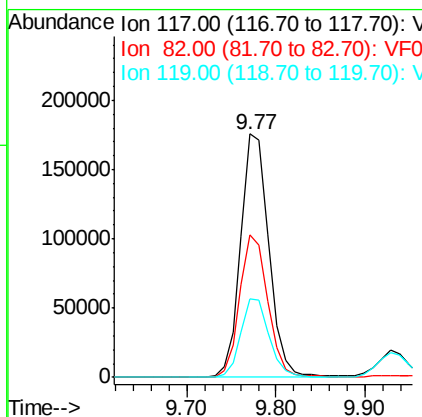
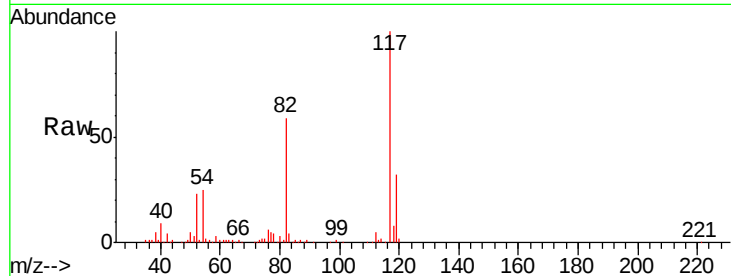
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.77 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	388090		
82	58.8	45.0	67.4	
119	32.4	24.8	37.2	

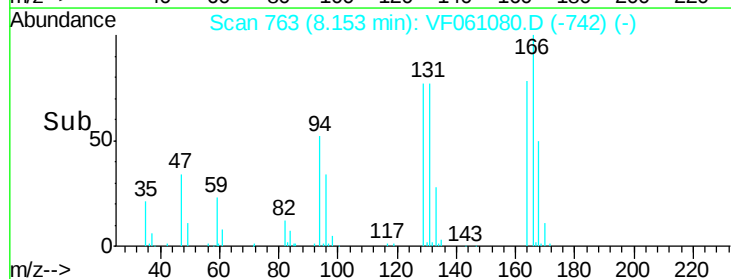
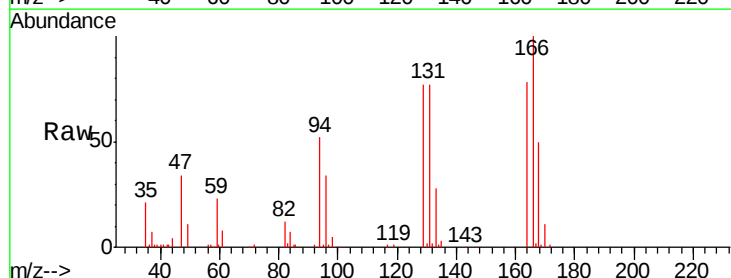
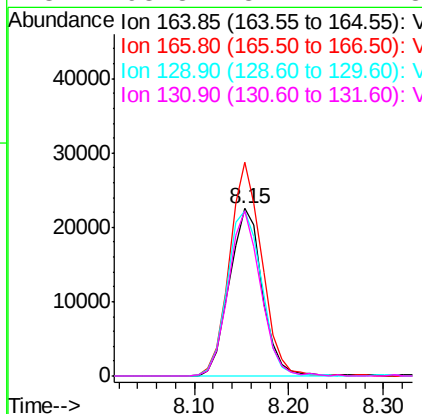
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#64
Tetrachloroethene
Concen: 18.209 ug/l
RT: 8.15 min Scan# 763
Delta R.T. 0.01 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54360		
166	127.6	104.0	156.0	
129	98.4	81.1	121.7	
131	98.8	81.2	121.8	





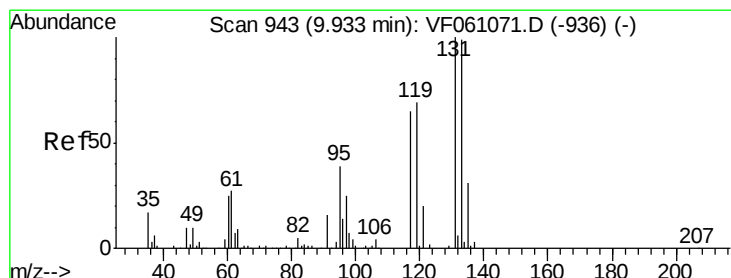
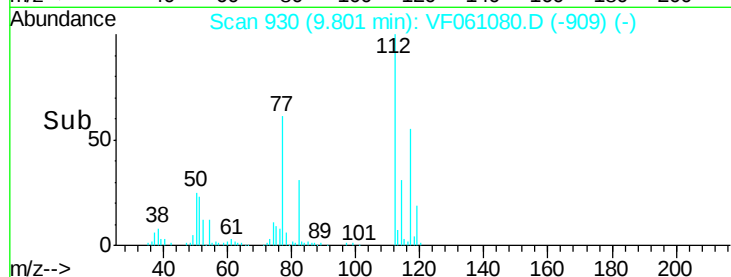
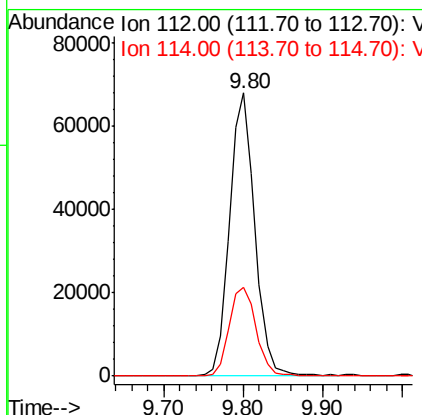
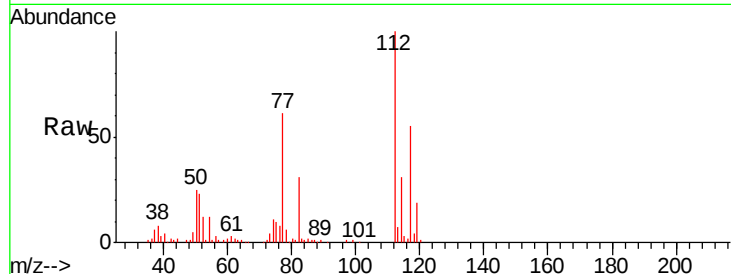
#65
Chlorobenzene
Concen: 18.957 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.01 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	151988		
114	31.5	27.8	41.6	

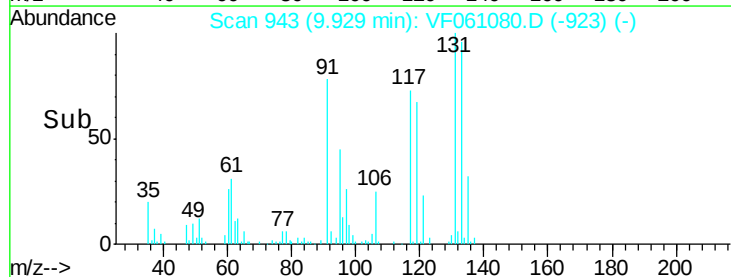
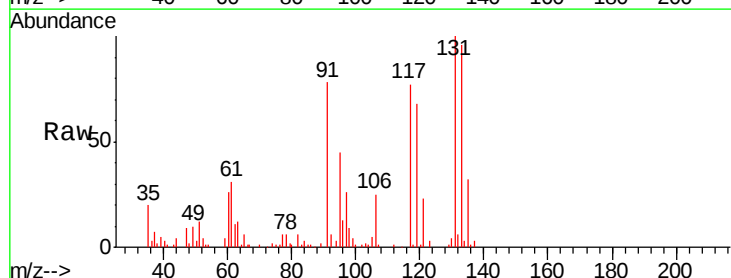
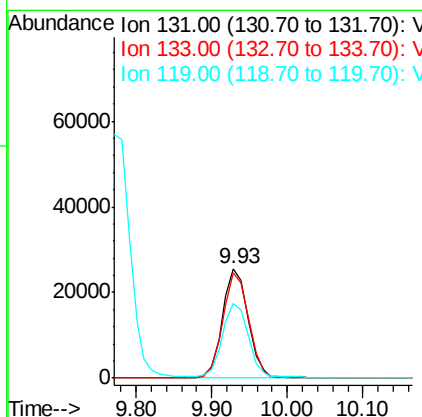
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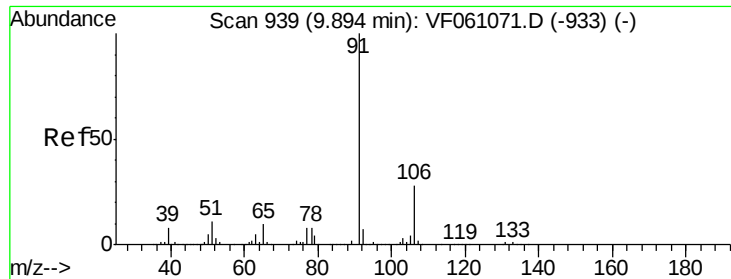
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.325 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	60041		
133	96.4	49.5	148.7	
119	67.9	34.5	103.5	





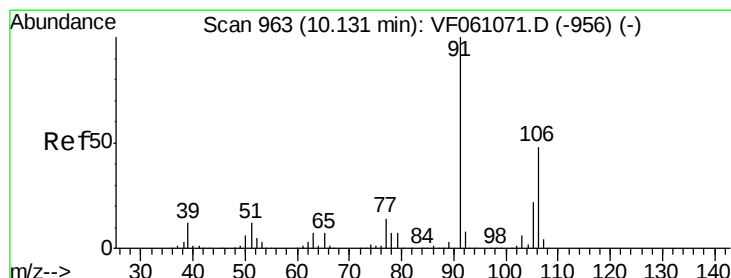
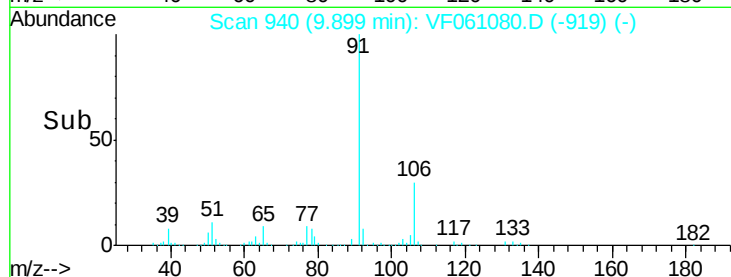
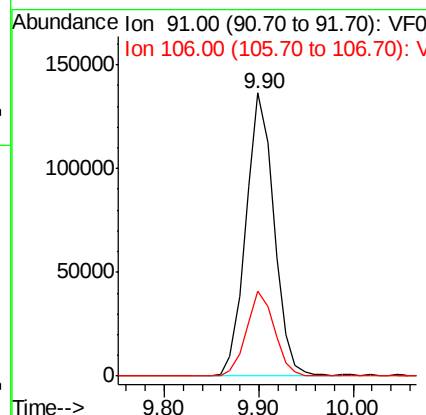
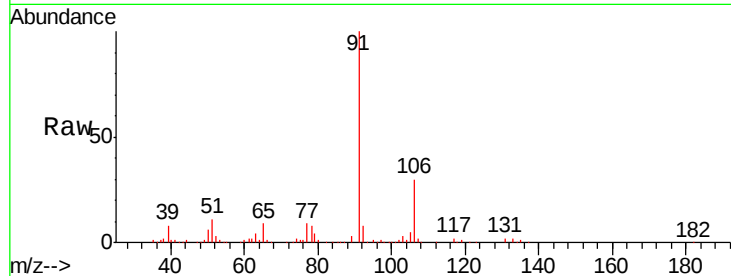
#67
Ethyl Benzene
Concen: 19.338 ug/l
RT: 9.90 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion: 91 Resp: 282462
Ion Ratio Lower Upper
91 100
106 30.2 22.5 33.7

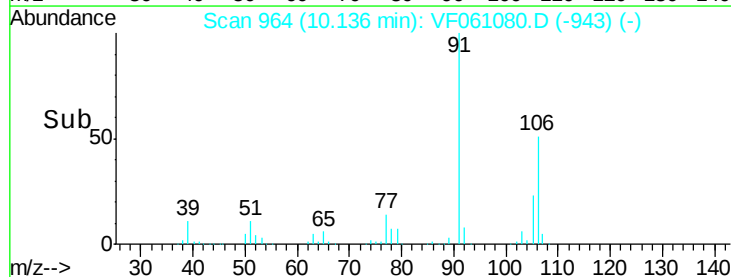
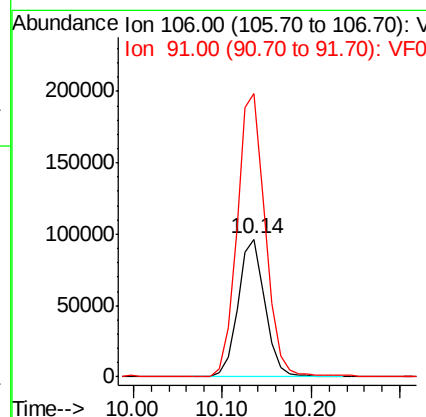
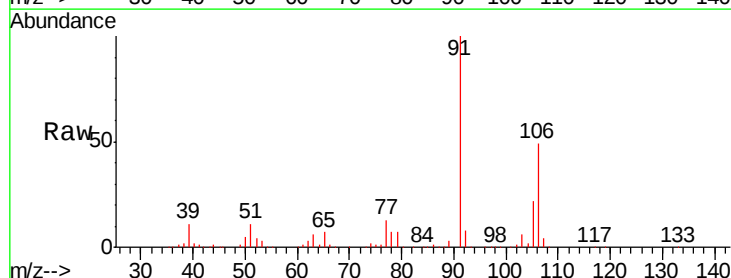
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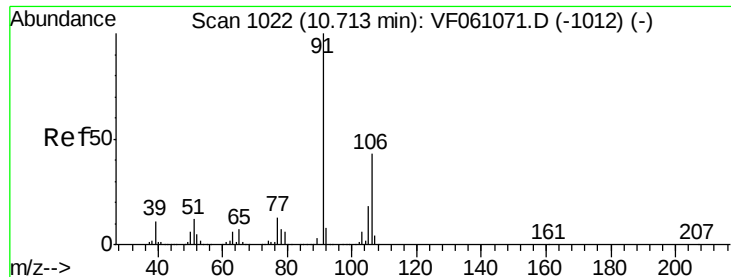
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#68
m/p-Xylenes
Concen: 39.758 ug/l
RT: 10.14 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Tgt Ion: 106 Resp: 204366
Ion Ratio Lower Upper
106 100
91 205.5 168.2 252.2





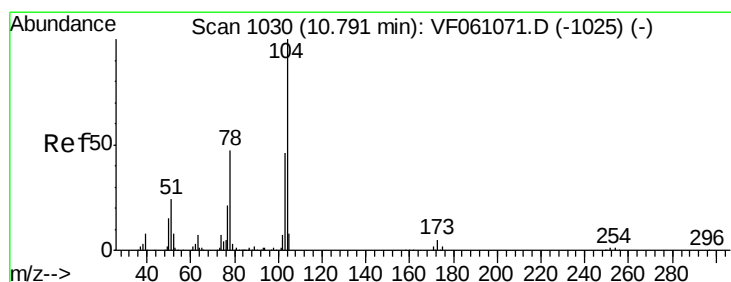
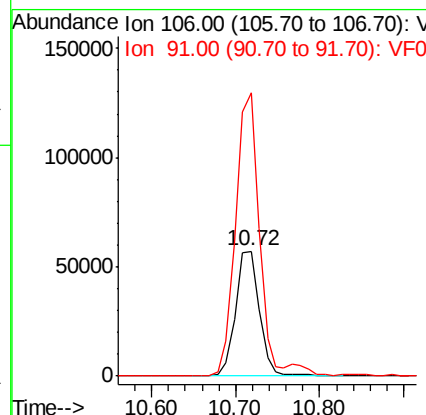
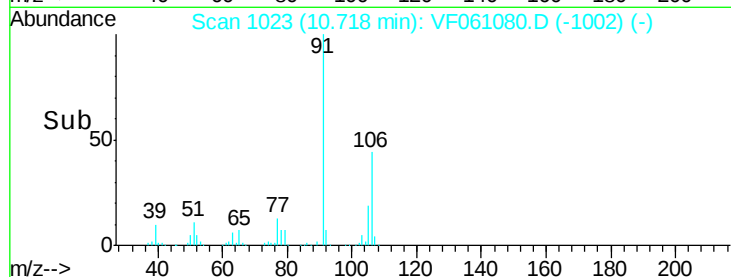
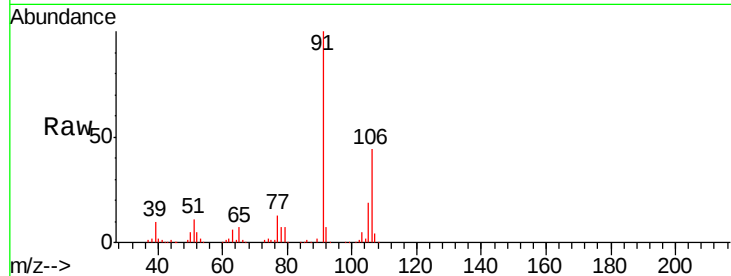
#69
o-Xylene
Concen: 19.979 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion:106 Resp: 113896
Ion Ratio Lower Upper
106 100
91 226.3 115.9 347.7

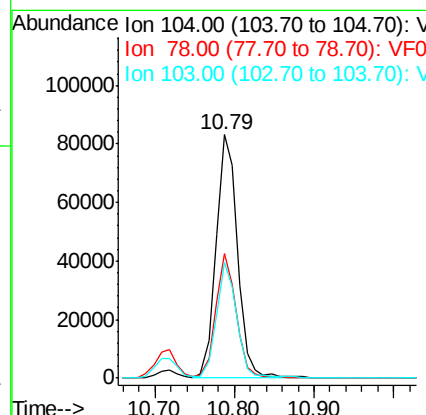
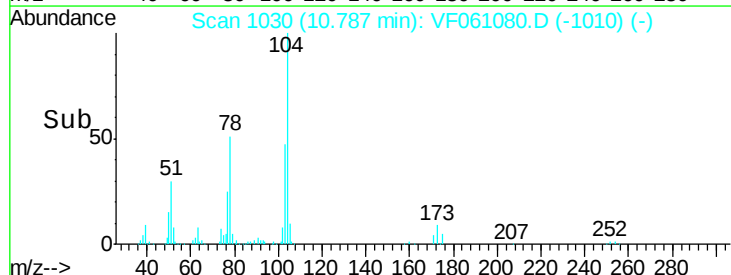
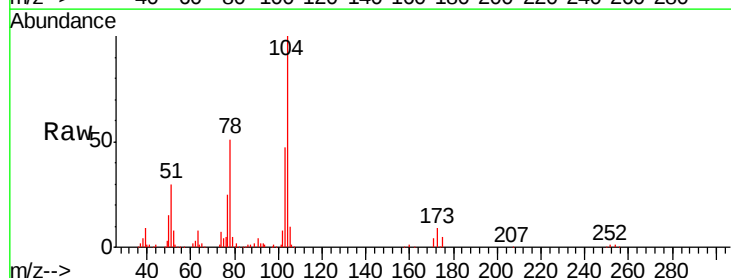
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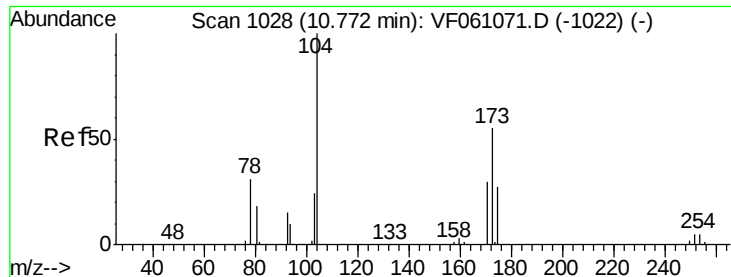
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#70
Styrene
Concen: 19.797 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Tgt Ion:104 Resp: 158022
Ion Ratio Lower Upper
104 100
78 50.9 38.4 57.6
103 47.3 37.0 55.6





#71

Bromoform

Concen: 18.385 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

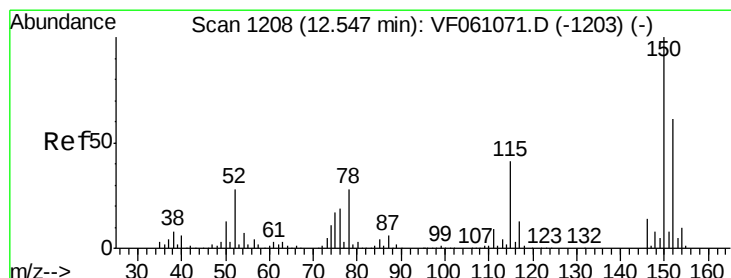
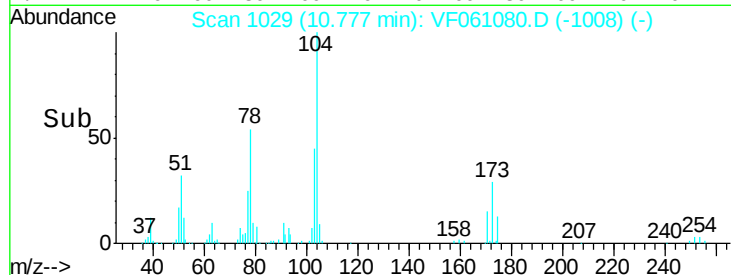
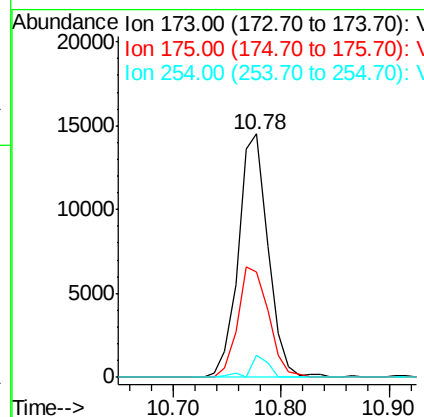
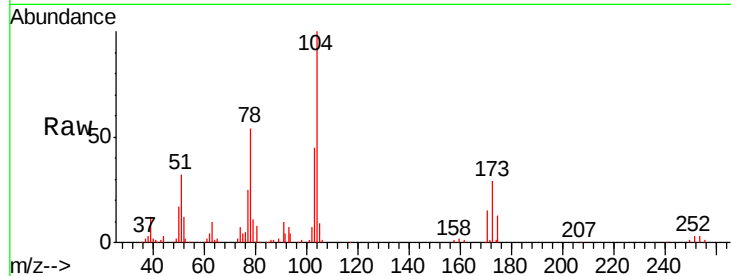
ClientSampleId :

VF1219SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	43.3	24.8	74.4
254	9.2	0.0	0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

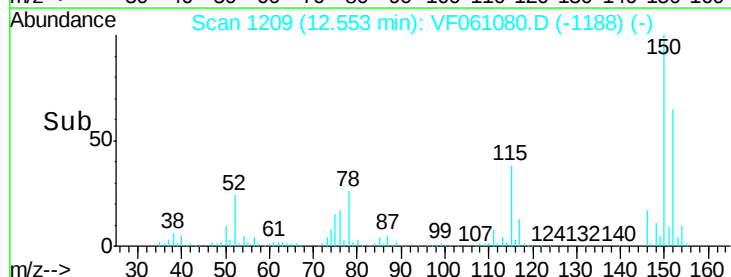
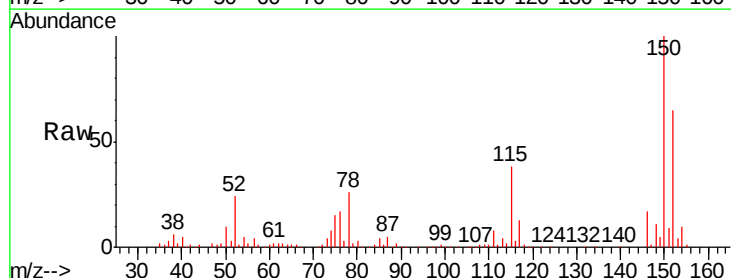
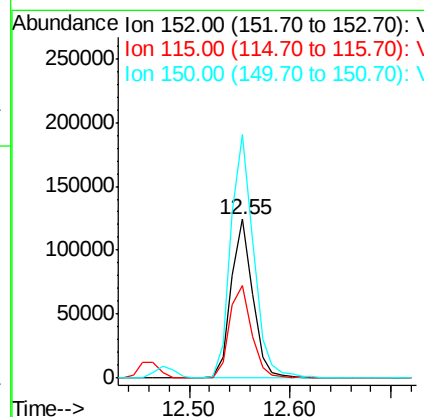
RT: 12.55 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	33.3	99.9
150	153.4	0.0	328.2





#73

Isopropylbenzene

Concen: 20.527 ug/l

RT: 11.12 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 105 Resp: 328459

Ion Ratio Lower Upper

105 100

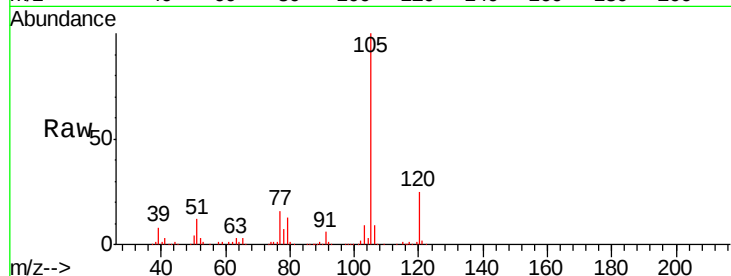
120 24.7 13.0 39.0

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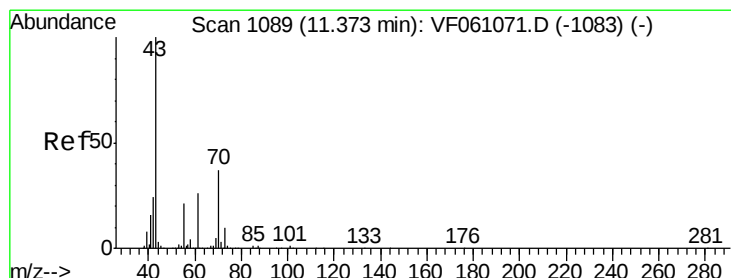
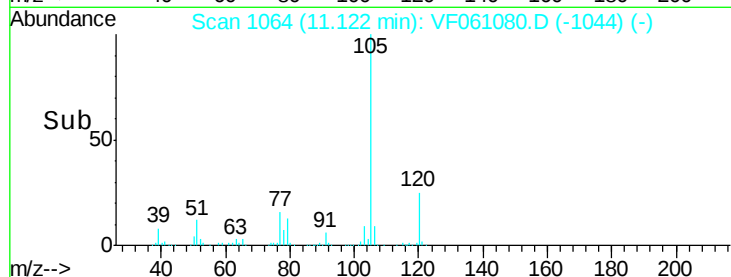
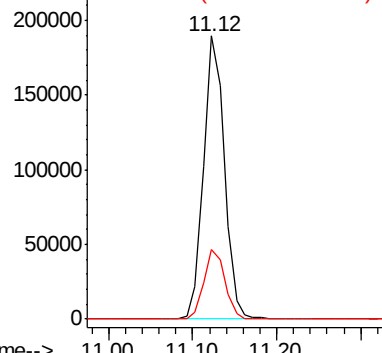
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.188 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Tgt Ion: 43 Resp: 75273

Ion Ratio Lower Upper

43 100

70 29.4 29.2 43.8

55 18.6 16.5 24.7

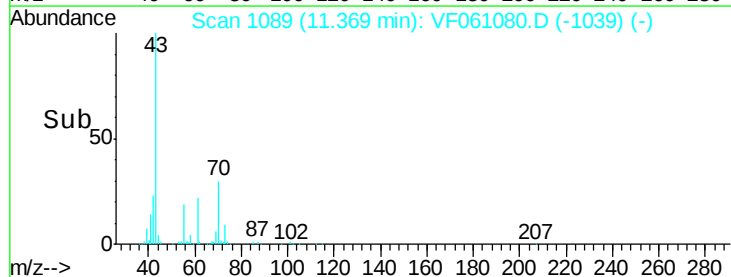
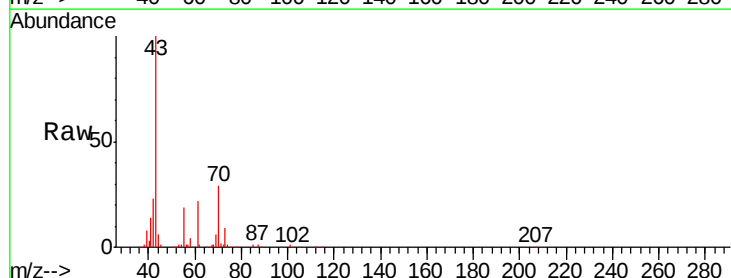
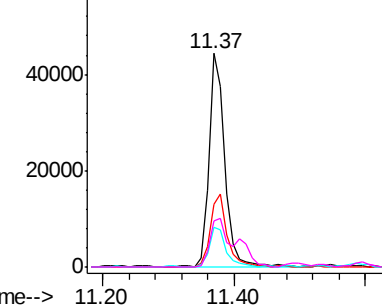
61 21.9 20.7 31.1

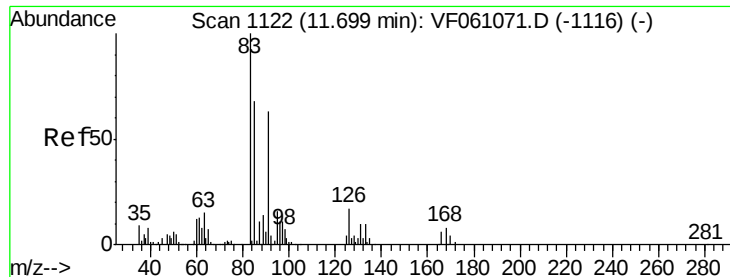
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 19.157 ug/l

RT: 11.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 83 Resp: 50876

Ion Ratio Lower Upper

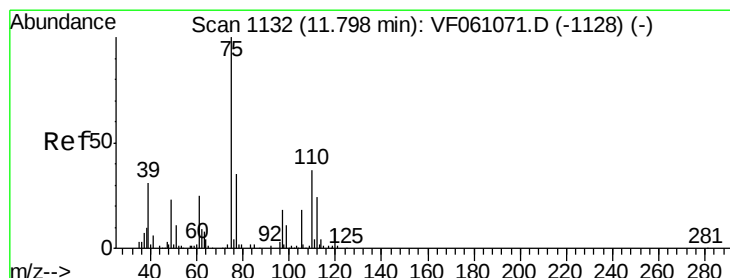
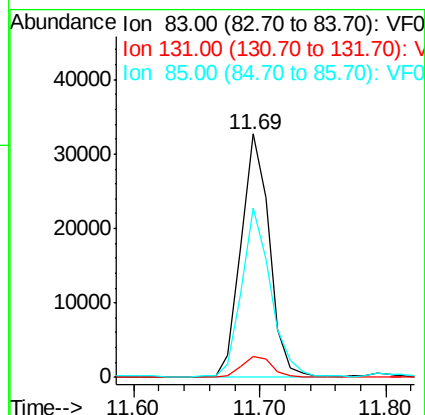
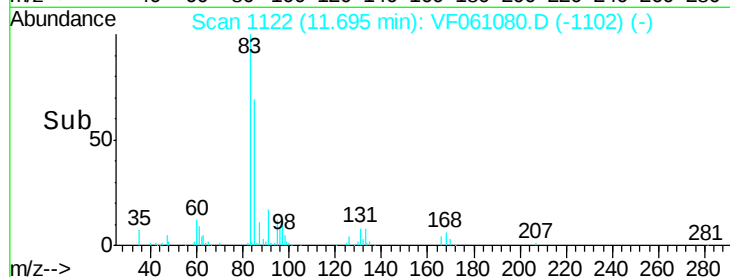
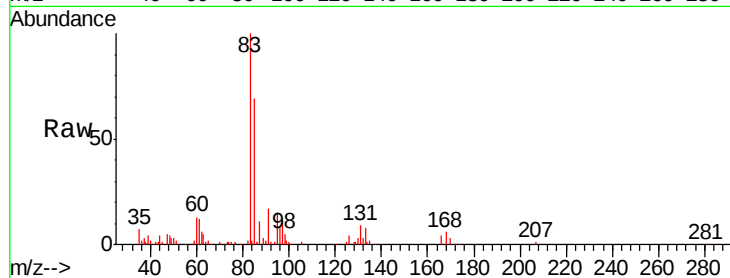
83 100

131 8.7 4.8 14.3

85 69.4 33.9 101.6

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#76

1,2,3-Trichloropropane

Concen: 18.659 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF061080.D

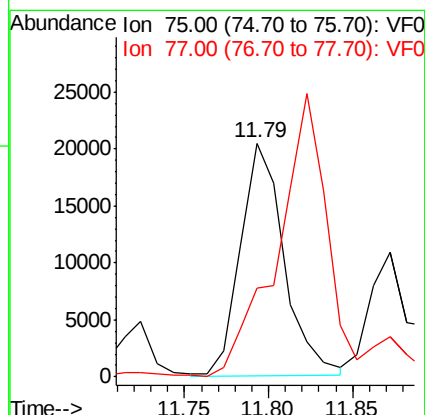
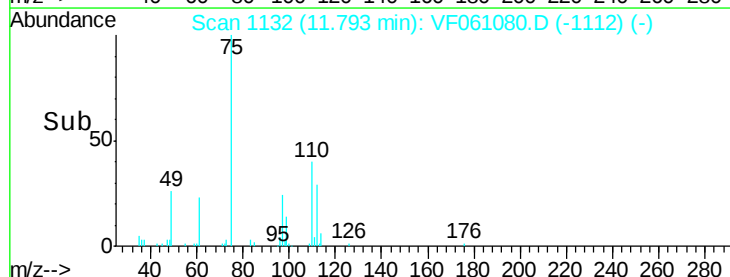
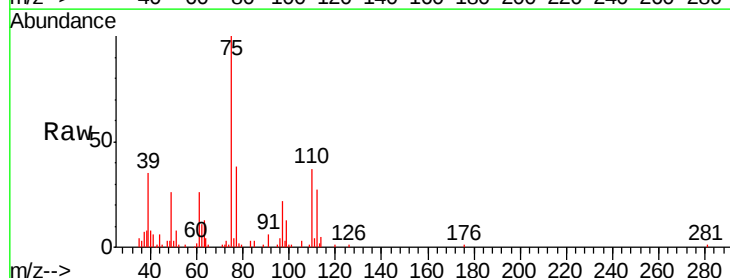
Acq: 19 Dec 2018 12:53

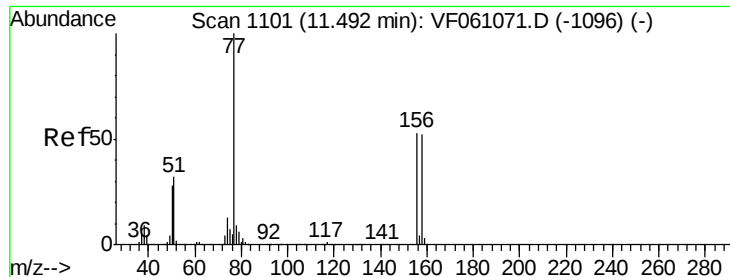
Tgt Ion: 75 Resp: 36877

Ion Ratio Lower Upper

75 100

77 37.8 17.6 52.9





#77

Bromobenzene

Concen: 19.942 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

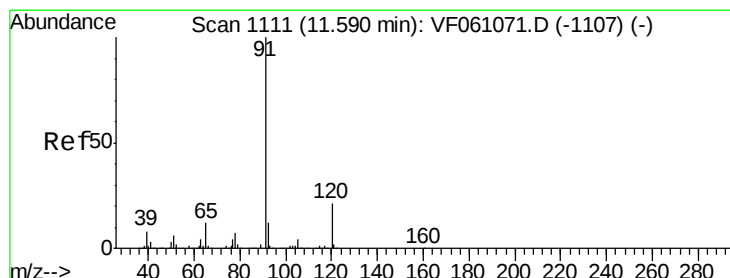
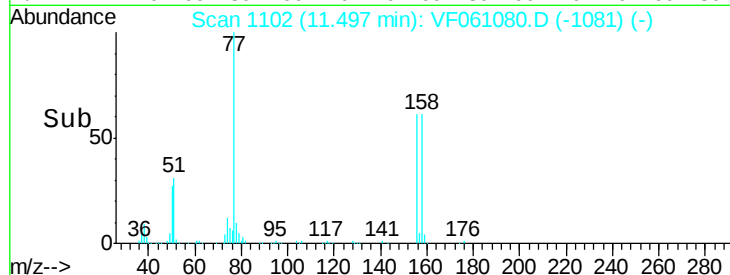
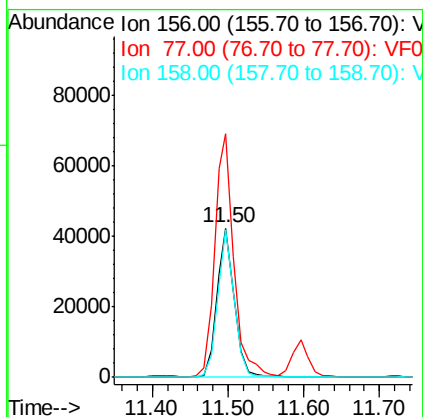
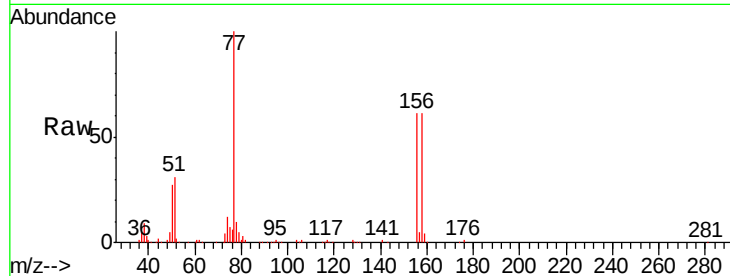
ClientSampleId :

VF1219SBS01

Tgt Ion:	156	Resp:	68693
Ion Ratio	Lower	Upper	
156	100		
77	162.9	93.8	281.4
158	98.8	48.9	146.8

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#78

n-propylbenzene

Concen: 18.577 ug/l

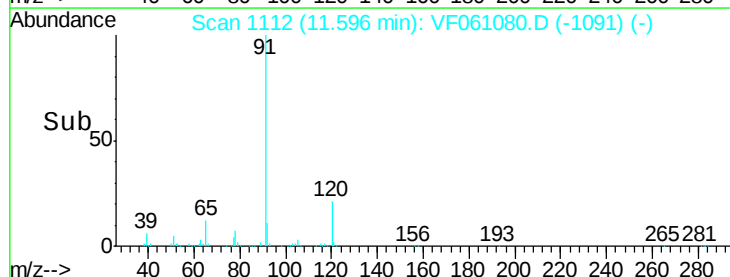
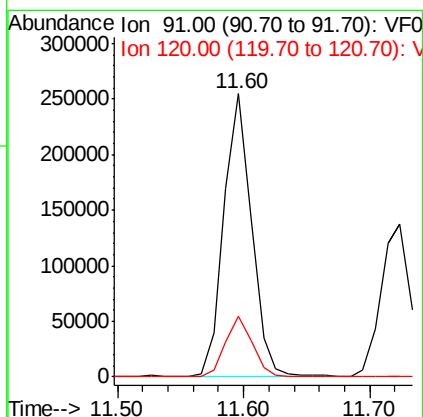
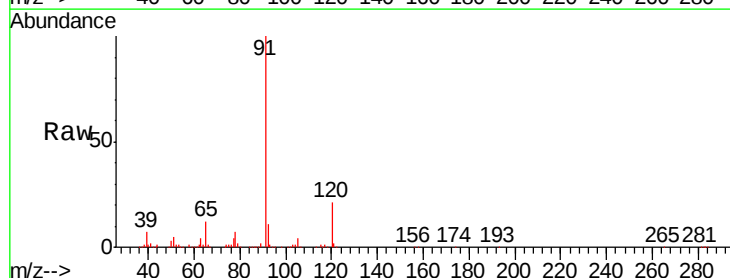
RT: 11.60 min Scan# 1112

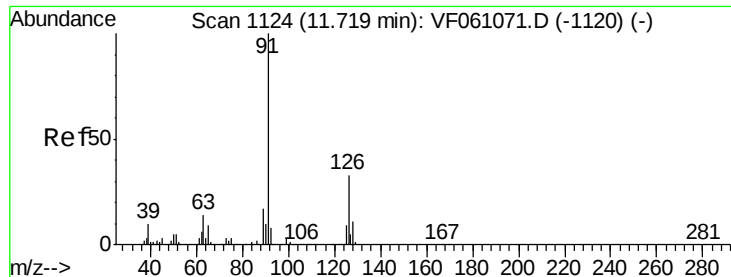
Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Tgt Ion:	91	Resp:	388237
Ion Ratio	Lower	Upper	
91	100		
120	21.4	10.4	31.2





#79

2-Chlorotoluene

Concen: 20.438 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 91 Resp: 224347

Ion Ratio Lower Upper

91 100

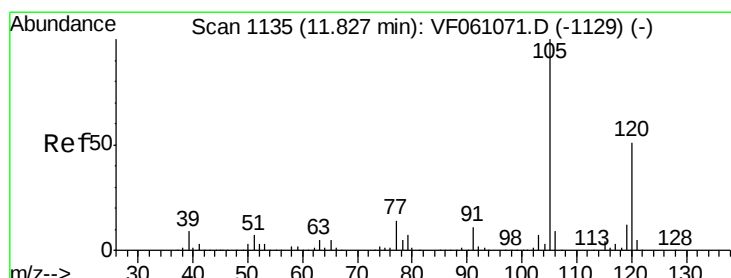
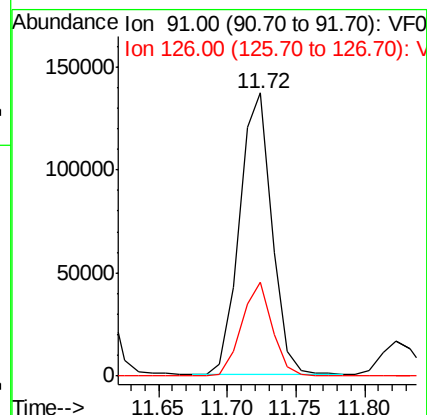
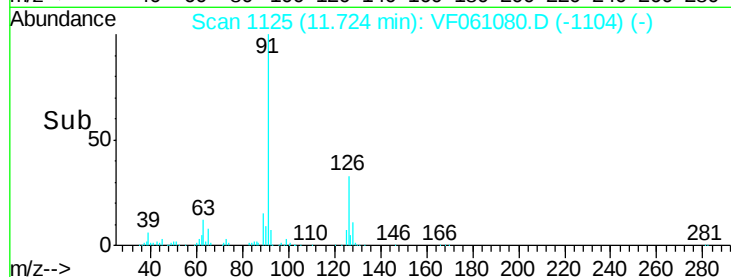
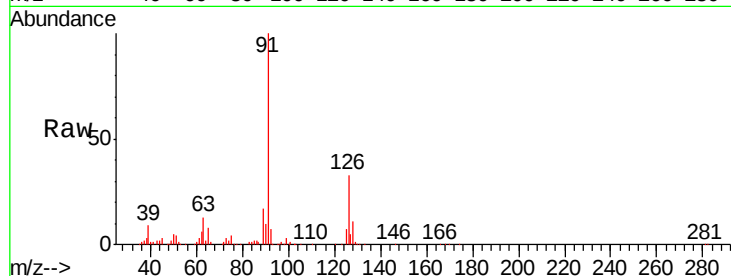
126 33.2 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 19.967 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VF061080.D

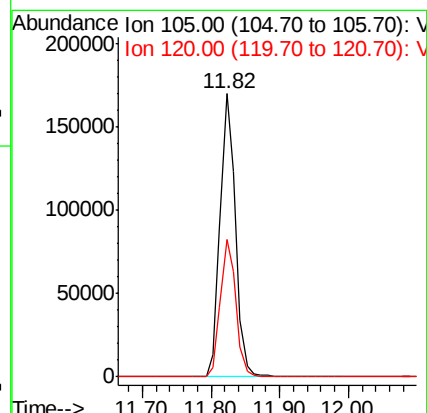
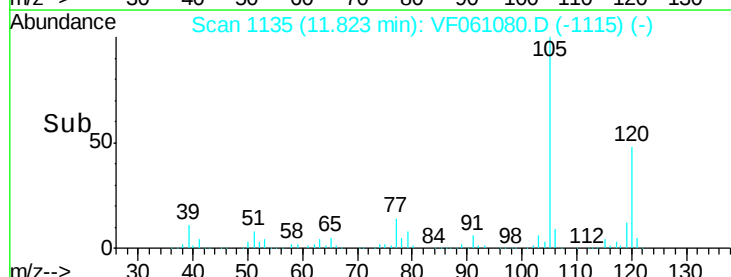
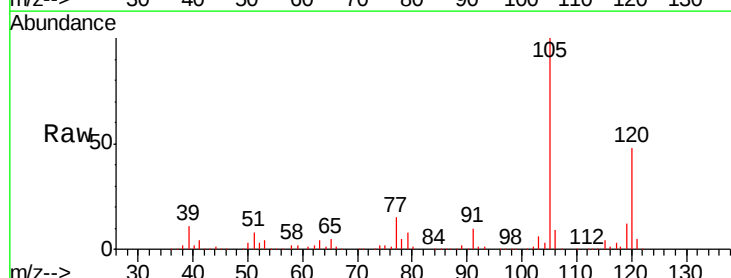
Acq: 19 Dec 2018 12:53

Tgt Ion: 105 Resp: 263092

Ion Ratio Lower Upper

105 100

120 48.4 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 21.059 ug/l m

RT: 11.87 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

ClientSampleId :

VF1219SBS01

Tgt Ion: 75 Resp: 17885

Ion Ratio Lower Upper

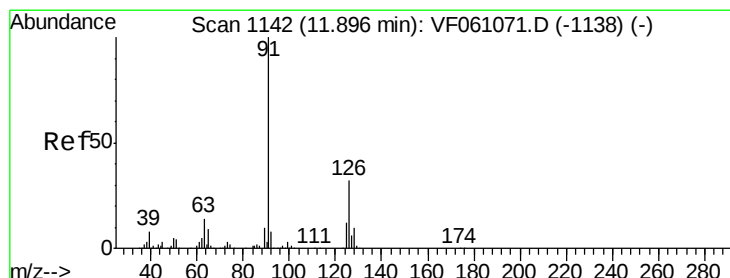
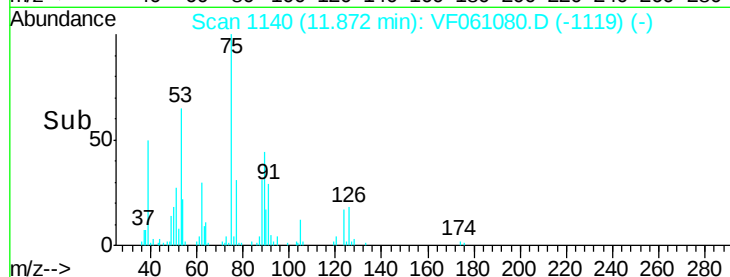
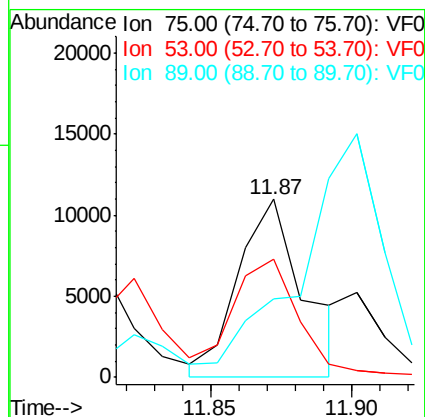
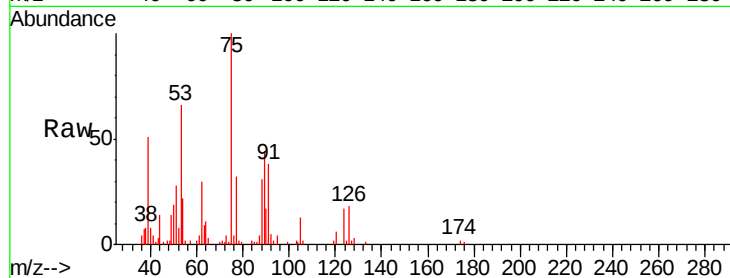
75 100

53 66.2 74.1 111.1#

89 44.0 42.6 64.0

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#82

4-Chlorotoluene

Concen: 20.221 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF061080.D

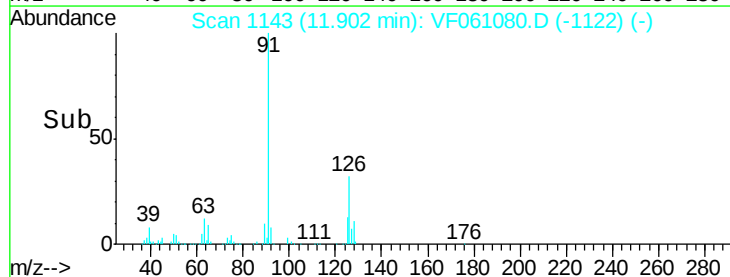
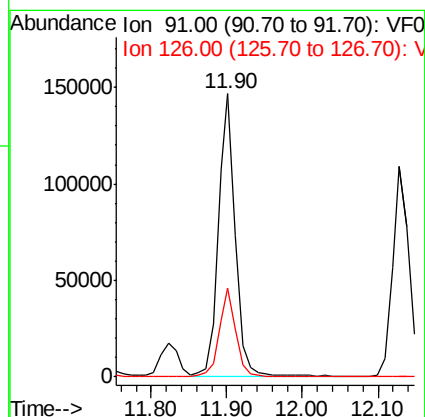
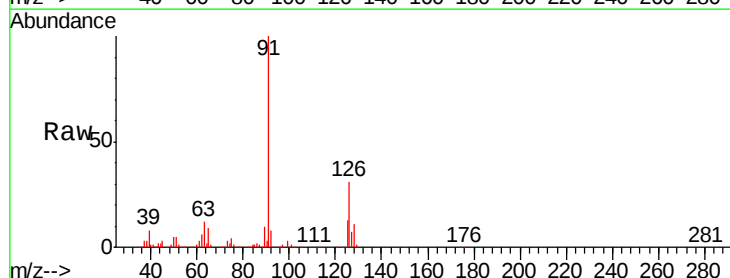
Acq: 19 Dec 2018 12:53

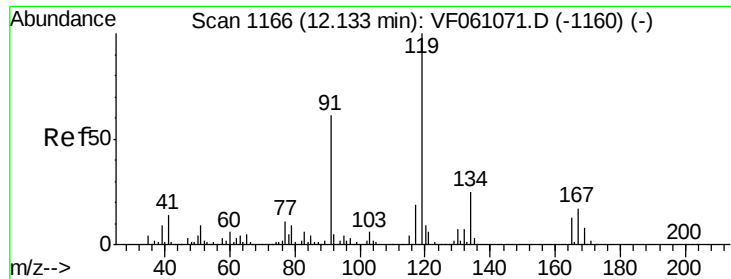
Tgt Ion: 91 Resp: 229618

Ion Ratio Lower Upper

91 100

126 31.3 16.0 47.9





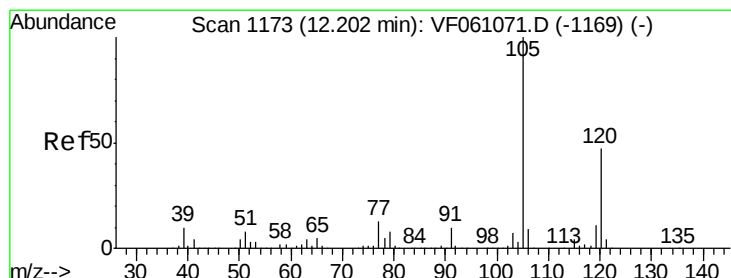
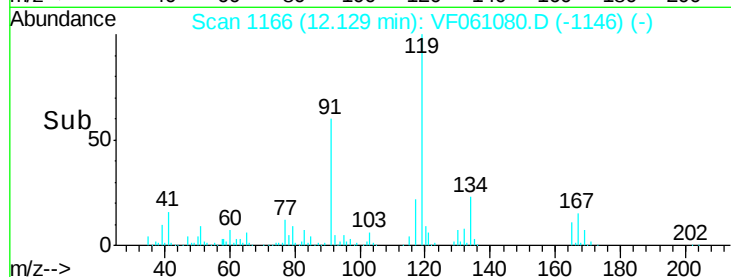
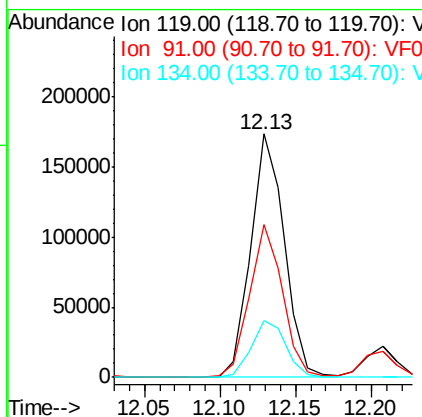
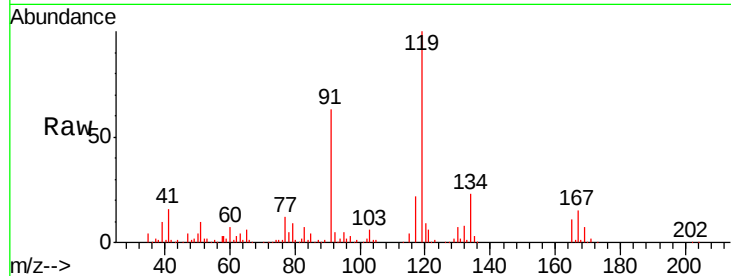
#83
tert-Butylbenzene
Concen: 19.911 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.00 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	269958		
91	62.9	30.5	91.5	
134	23.3	12.4	37.4	

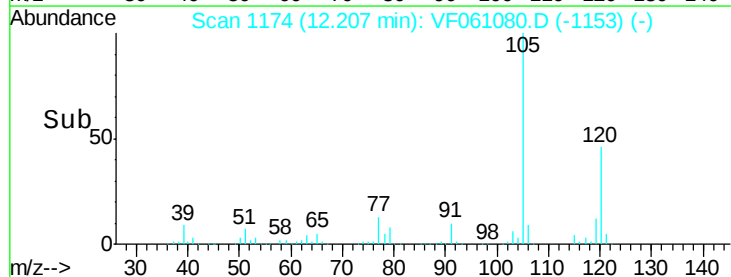
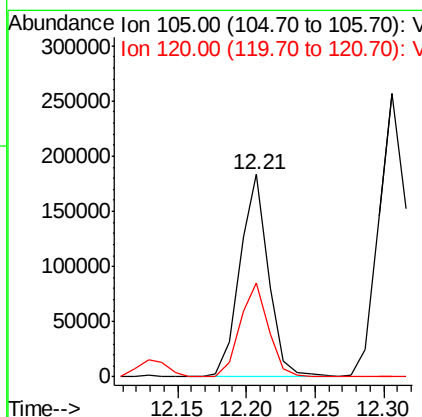
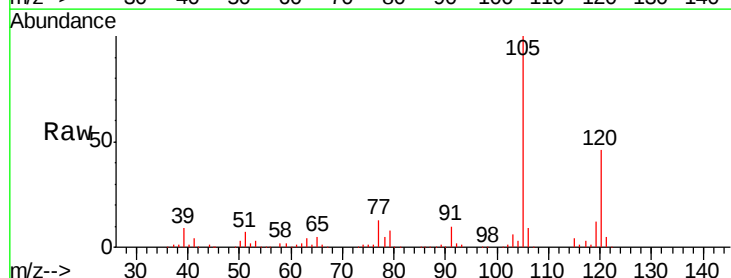
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#84
1,2,4-Trimethylbenzene
Concen: 20.093 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	264007		
120	46.1	23.6	71.0	





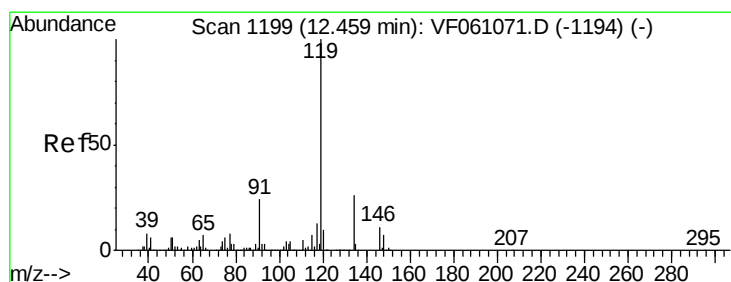
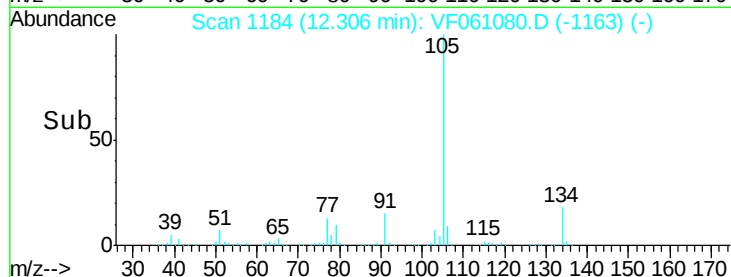
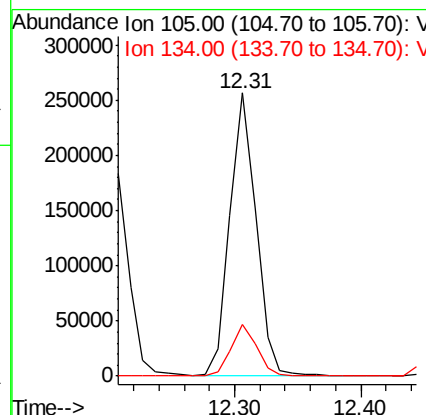
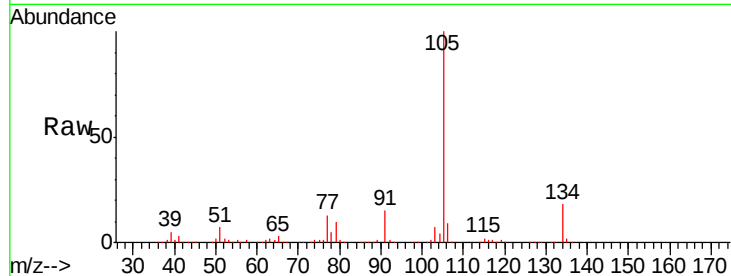
#85
 sec-Butylbenzene
 Concen: 20.836 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061080.D
 Acq: 19 Dec 2018 12:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1219SBS01

Tgt Ion:105 Resp: 368678
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.4 28.2

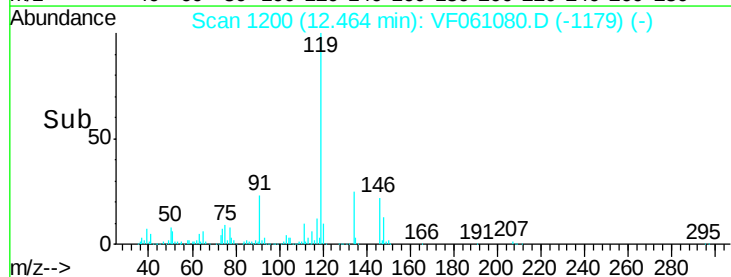
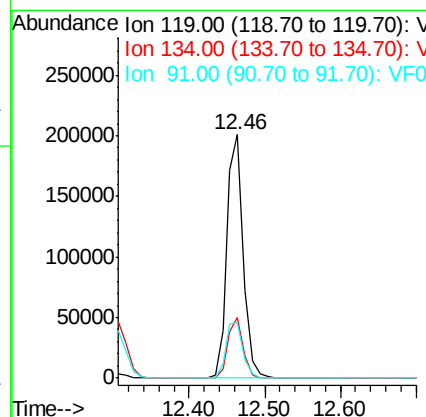
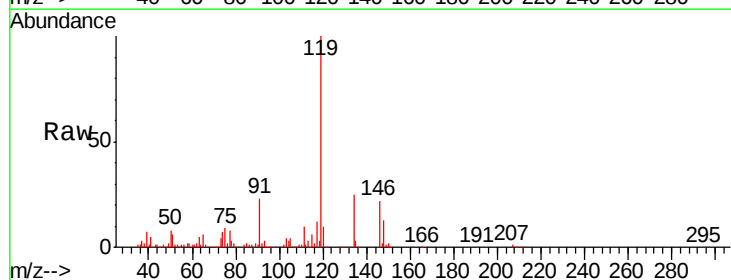
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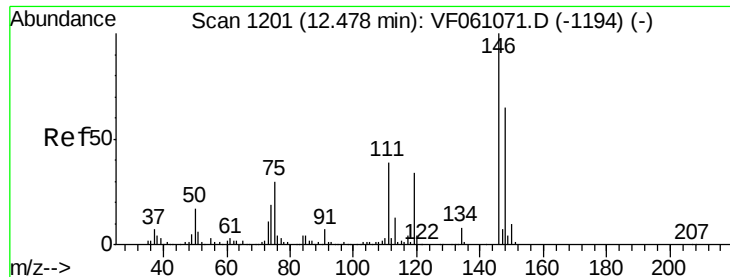
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#86
 p-Isopropyltoluene
 Concen: 20.410 ug/l
 RT: 12.46 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: VF061080.D
 Acq: 19 Dec 2018 12:53

Tgt Ion:119 Resp: 299756
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.8 38.4
 91 22.8 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 19.500 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Instrument :

MSVOA_F

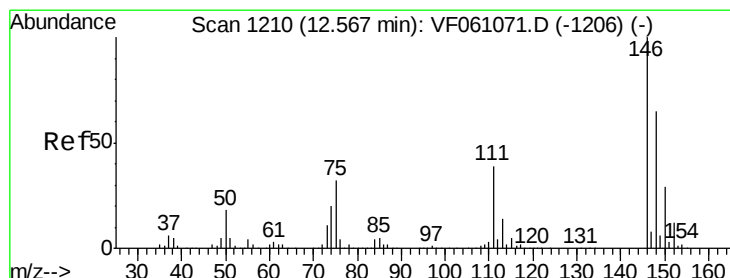
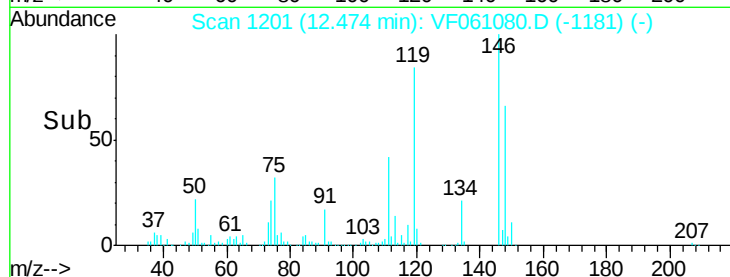
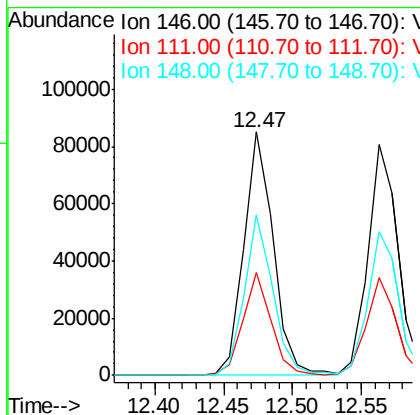
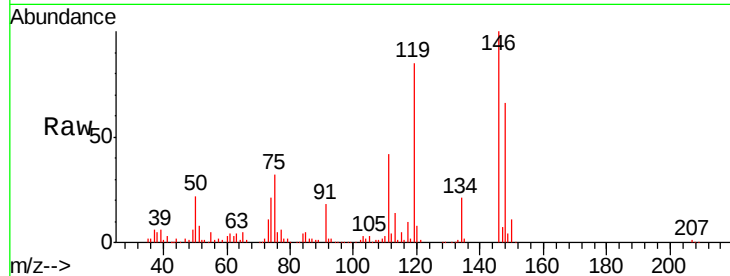
ClientSampleId :

VF1219SBS01

Tgt Ion:	146	Resp:	128063
Ion Ratio	Lower	Upper	
146	100		
111	42.1	19.3	57.9
148	65.7	32.4	97.2

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#88

1,4-Dichlorobenzene

Concen: 19.834 ug/l

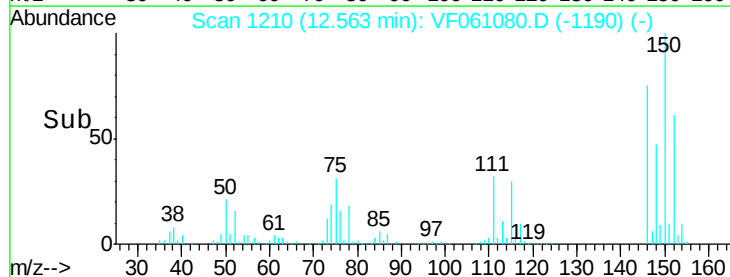
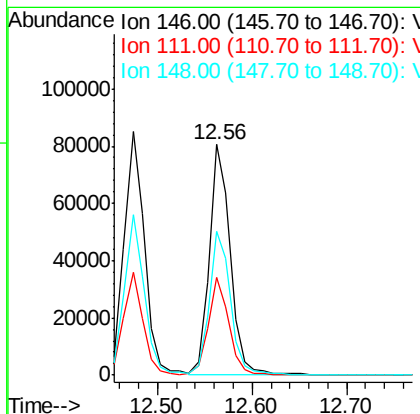
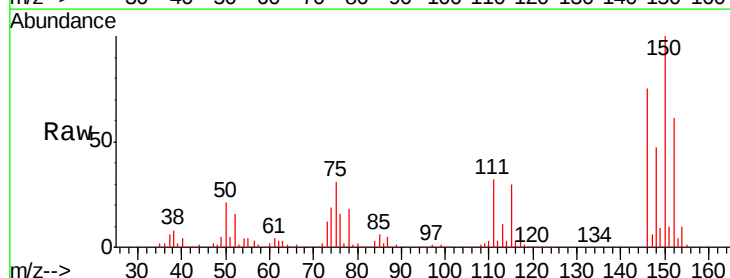
RT: 12.56 min Scan# 1210

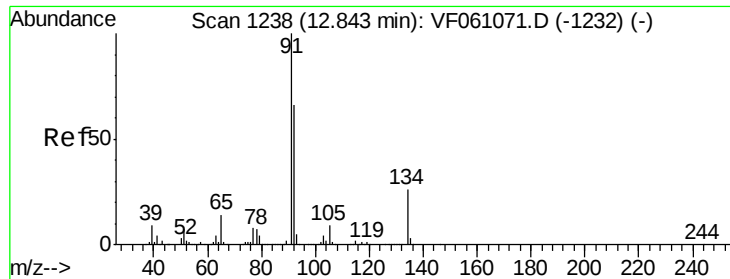
Delta R.T. -0.00 min

Lab File: VF061080.D

Acq: 19 Dec 2018 12:53

Tgt Ion:	146	Resp:	125454
Ion Ratio	Lower	Upper	
146	100		
111	42.2	19.4	58.4
148	62.5	32.4	97.0





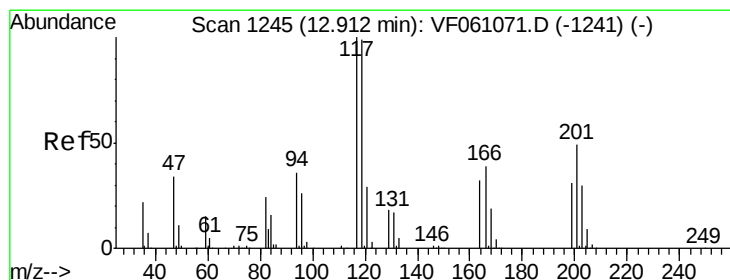
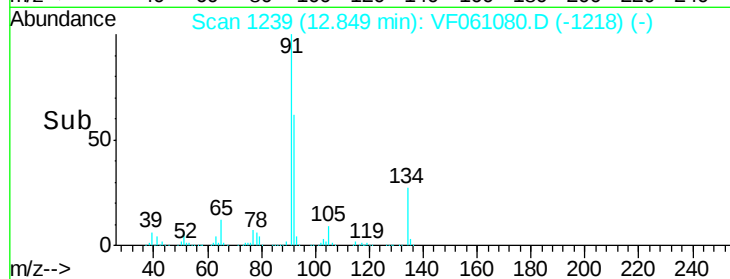
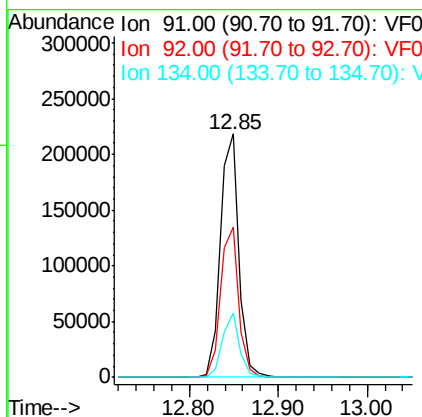
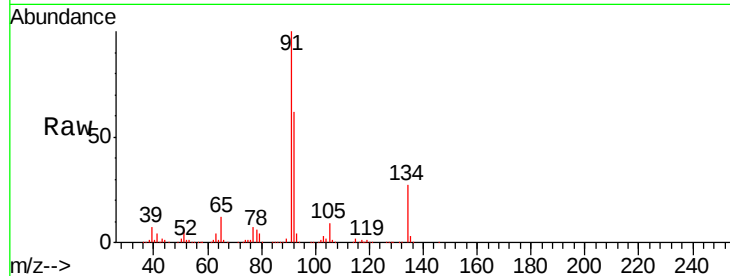
#89
n-Butylbenzene
Concen: 18.913 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.8	32.8	98.4
134	26.7	13.2	39.5

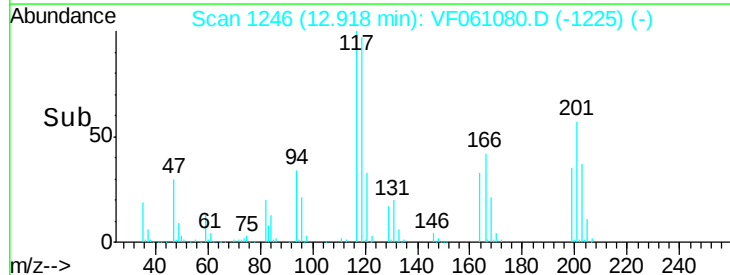
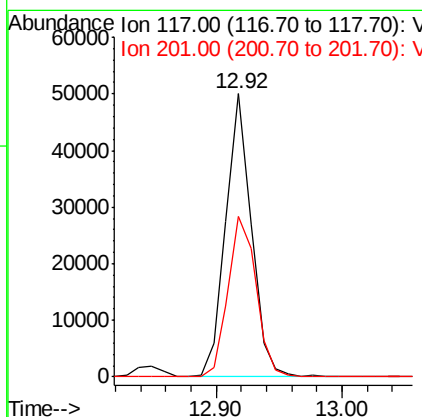
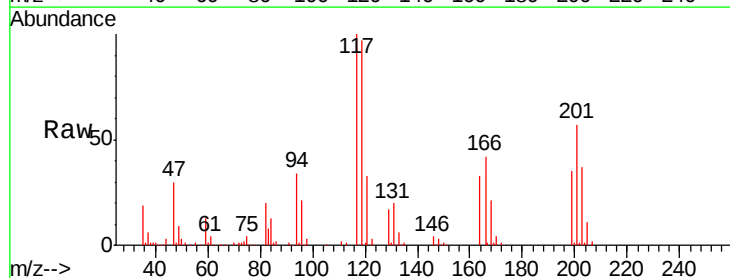
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#90
Hexachloroethane
Concen: 19.455 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	56.7	24.9	74.8





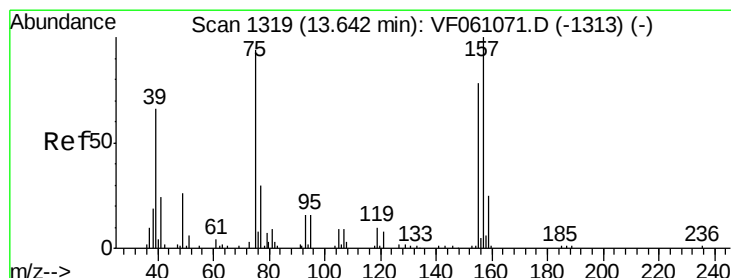
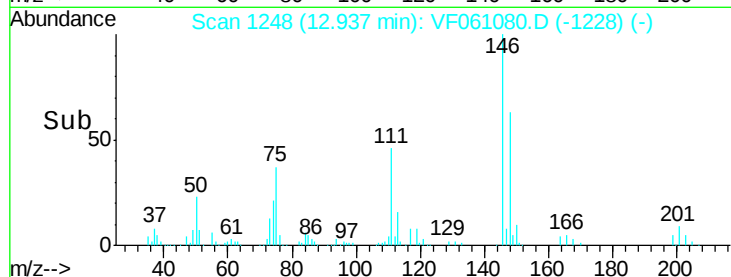
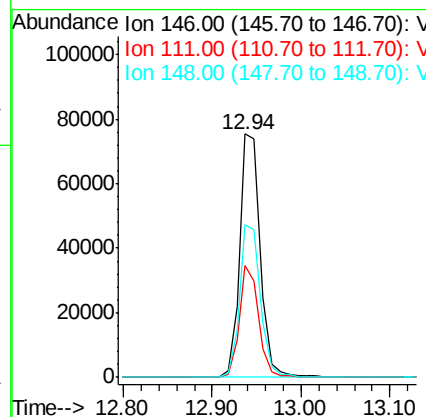
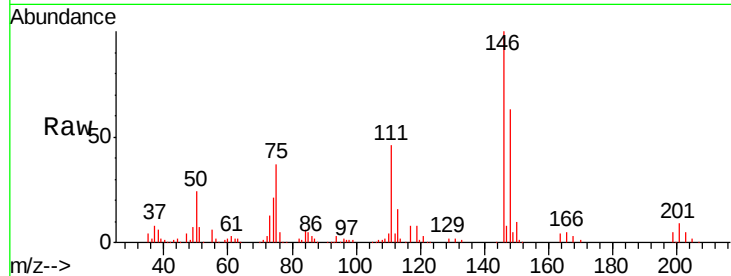
#91
 1,2-Dichlorobenzene
 Concen: 19.932 ug/l
 RT: 12.94 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VF061080.D
 Acq: 19 Dec 2018 12:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	122740		
111	46.0	23.2	69.5	
148	63.0	32.4	97.0	

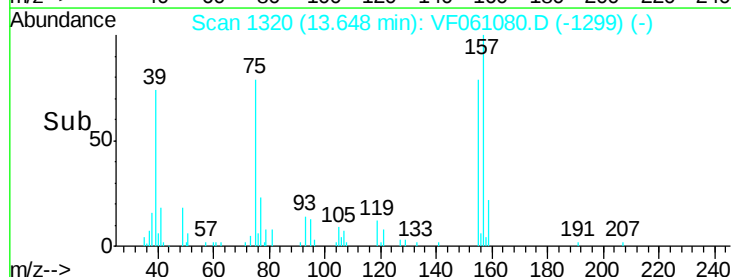
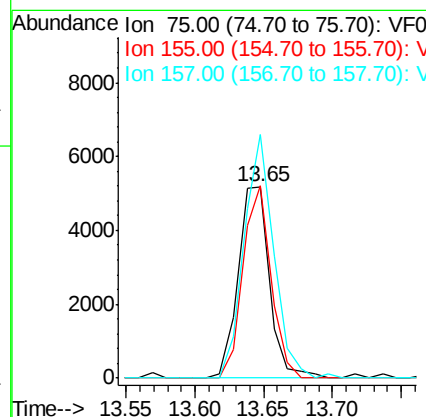
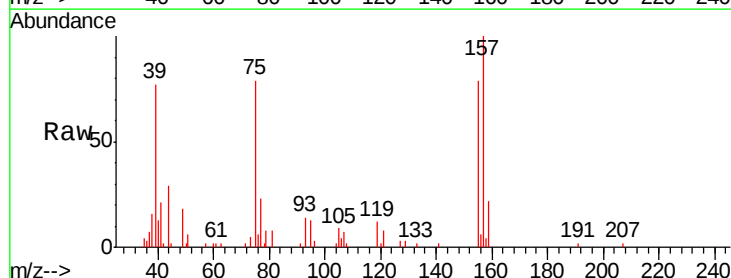
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.972 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: VF061080.D
 Acq: 19 Dec 2018 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8271		
155	100.4	41.5	124.5	
157	127.2	53.2	159.6	





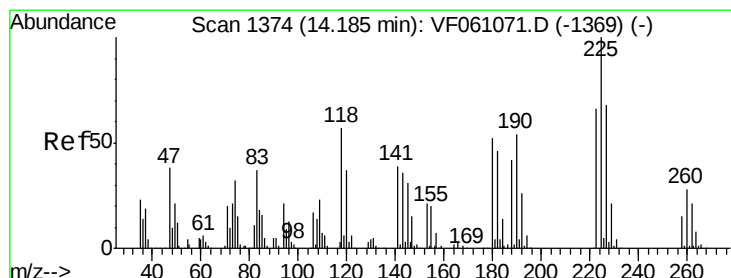
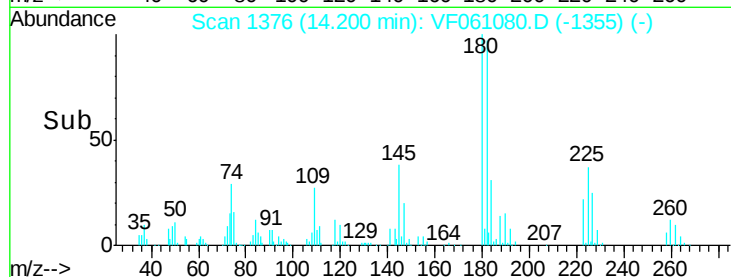
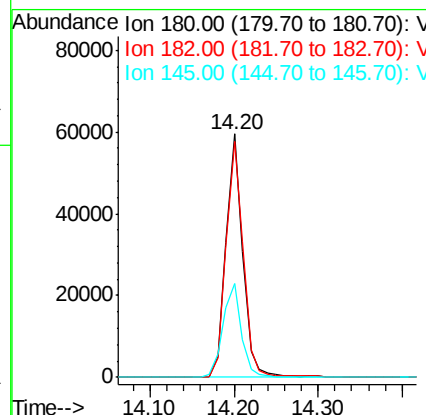
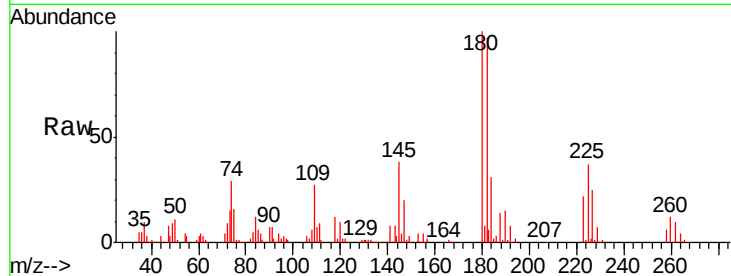
#93
 1,2,4-Trichlorobenzene
 Concen: 19.049 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061080.D
 Acq: 19 Dec 2018 12:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VF1219SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	83193		
182	97.0	46.9	140.6	
145	38.3	20.5	61.6	

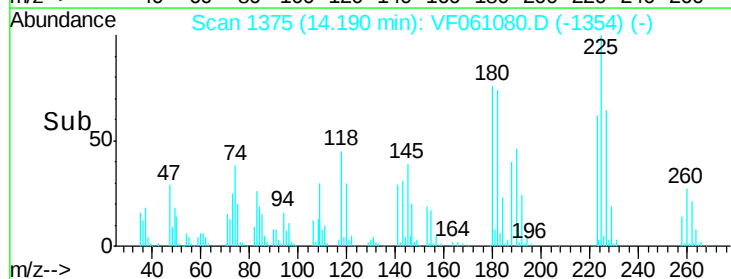
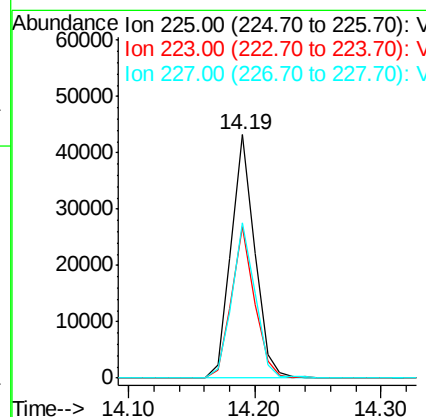
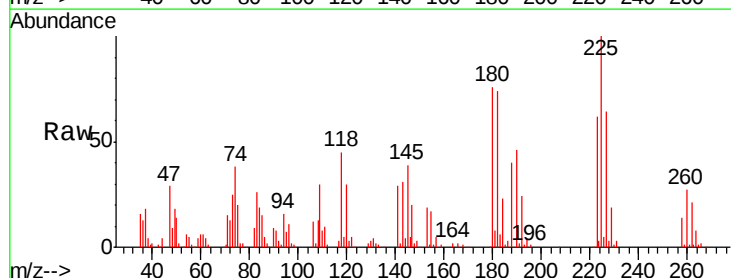
Manual Integrations
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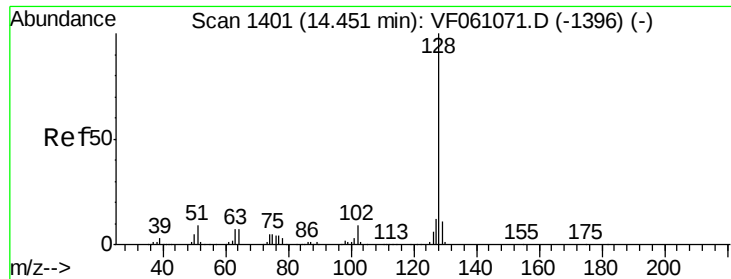
apatel
 12/20/2018 10:29:23 AM



#94
 Hexachlorobutadiene
 Concen: 20.187 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061080.D
 Acq: 19 Dec 2018 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56152		
223	62.3	32.8	98.3	
227	63.9	34.0	101.8	





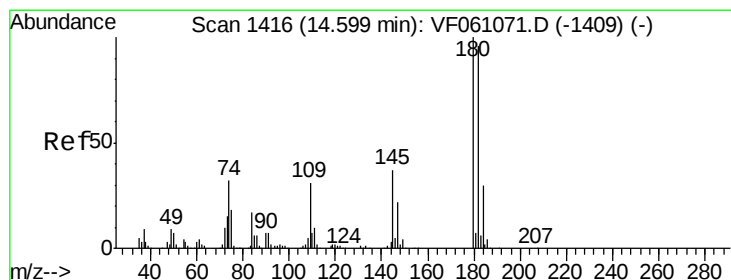
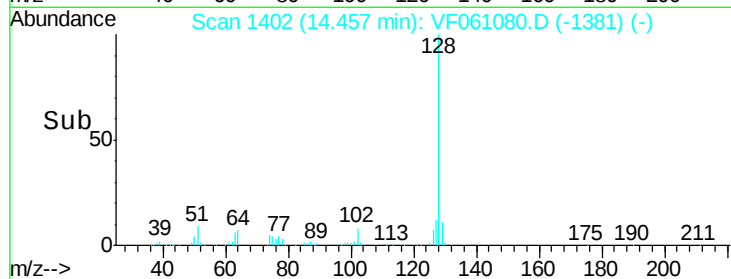
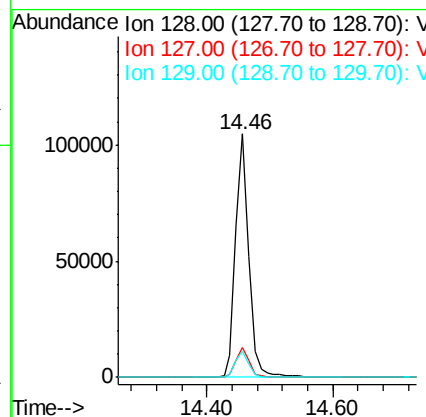
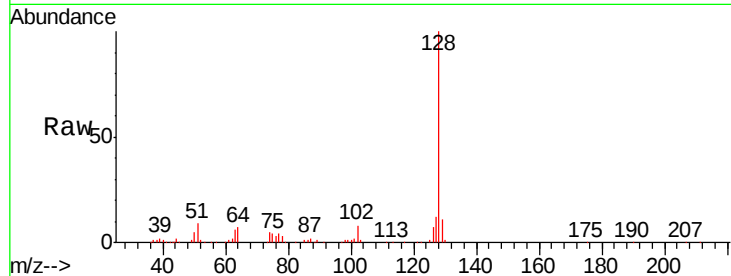
#95
Naphthalene
Concen: 18.929 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Instrument :
MSVOA_F
ClientSampleId :
VF1219SBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.1	9.4	14.2
129	10.6	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.439 ug/l
RT: 14.60 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF061080.D
Acq: 19 Dec 2018 12:53

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	92.8	47.9	143.8
145	34.0	18.6	55.8

