

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
 Data File : VF059751.D
 Acq On : 1 Aug 2018 13:20
 Operator : VA/AP
 Sample : VF0801SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 83 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS01

Manual Integrations
 APPROVED

apatel
 8/2/2018 10:25:49 AM

Quant Time: Aug 02 05:25:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	168011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	237845	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	230177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	161320	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	162128	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
35) Dibromofluoromethane	4.29	113	132779	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	
50) Toluene-d8	7.71	98	271038	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
62) 4-Bromofluorobenzene	11.51	95	159859	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	58399	28.49	ug/l	98
3) Chloromethane	1.08	50	24603	22.51	ug/l	94
4) Vinyl Chloride	1.15	62	26411	23.40	ug/l #	86
5) Bromomethane	1.34	94	24616	26.84	ug/l	93
6) Chloroethane	1.42	64	19573	29.07	ug/l	95
7) Trichlorofluoromethane	1.54	101	80584m	25.68	ug/l	
8) Diethyl Ether	1.70	74	12904	24.05	ug/l	62
9) 1,1,2-Trichlorotrifluoroet	1.90	101	44473	27.06	ug/l #	87
10) Methyl Iodide	1.96	142	60161	24.03	ug/l	89
11) Tert butyl alcohol	2.70	59	13944	113.74	ug/l #	76
12) 1,1-Dichloroethene	1.85	96	31700	24.36	ug/l	95
13) Acrolein	2.21	56	171	18.57	ug/l	84
14) Allyl chloride	2.19	41	48317	23.26	ug/l	100
15) Acrylonitrile	3.07	53	22420	114.95	ug/l	95
16) Acetone	2.34	43	62818	115.66	ug/l	99
17) Carbon Disulfide	1.89	76	80273	27.70	ug/l	99
18) Methyl Acetate	2.45	43	26759m	29.73	ug/l	
19) Methyl tert-butyl Ether	2.54	73	88147	22.22	ug/l	94
20) Methylene Chloride	2.31	84	31363	22.59	ug/l #	92
21) trans-1,2-Dichloroethene	2.41	96	30793	25.80	ug/l	95
22) Diisopropyl ether	2.93	45	99669	22.69	ug/l	93
23) Vinyl Acetate	3.33	43	231326	102.42	ug/l	100
24) 1,1-Dichloroethane	2.99	63	74692	24.47	ug/l #	96
25) 2-Butanone	4.51	43	62195	102.61	ug/l #	82
26) 2,2-Dichloropropane	3.75	77	54189	24.91	ug/l	94
27) cis-1,2-Dichloroethene	3.63	96	33514	20.51	ug/l	92
28) Bromochloromethane	3.89	49	26974	22.89	ug/l #	81
29) Tetrahydrofuran	4.26	42	24577	105.50	ug/l	95
30) Chloroform	4.03	83	97950	22.74	ug/l	94
31) Cyclohexane	3.86	56	36603	22.48	ug/l	87
32) 1,1,1-Trichloroethane	4.28	97	82435	24.67	ug/l	97
36) 1,1-Dichloropropene	4.45	75	57224	21.51	ug/l	93
37) Ethyl Acetate	4.30	43	28119	21.00	ug/l	98
38) Carbon Tetrachloride	4.17	117	101067	26.73	ug/l	90

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	43724	21.33	ug/l	97
40) Benzene	4.81	78	100569	20.94	ug/l	97
41) Methacrylonitrile	4.93	41	13801	21.45	ug/l	95
42) 1,2-Dichloroethane	5.11	62	78338	23.30	ug/l	99
43) Isopropyl Acetate	7.11	43	25693	18.07	ug/l #	97
44) Trichloroethene	5.67	130	41381	22.83	ug/l	86
45) 1,2-Dichloropropane	6.39	63	27679	21.82	ug/l #	87
46) Dibromomethane	6.26	93	26760	22.22	ug/l	92
47) Bromodichloromethane	6.54	83	77274	23.56	ug/l	92
48) Methyl methacrylate	6.88	41	19693	18.41	ug/l	93
49) 1,4-Dioxane	6.88	88	2918	398.47	ug/l	94
51) 4-Methyl-2-Pentanone	8.41	43	112034	103.56	ug/l	96
52) Toluene	7.77	92	75237	22.05	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	62642	22.01	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	61886	22.45	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	26476	20.35	ug/l	97
56) Ethyl methacrylate	8.76	69	27683	20.41	ug/l	94
57) 1,3-Dichloropropane	9.00	76	48181	21.59	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	17928	114.46	ug/l	100
59) 2-Hexanone	9.63	43	83838	96.70	ug/l	95
60) Dibromochloromethane	8.86	129	52965	23.07	ug/l	95
61) 1,2-Dibromoethane	9.14	107	32602	21.46	ug/l	98
64) Tetrachloroethene	8.31	164	42909	25.44	ug/l	90
65) Chlorobenzene	9.93	112	104519	22.70	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	51347	23.89	ug/l	97
67) Ethyl Benzene	10.04	91	183672	23.06	ug/l	98
68) m/p-Xylenes	10.28	106	119239m	43.44	ug/l	
69) o-Xylene	10.83	106	66880	22.78	ug/l	90
70) Styrene	10.90	104	100767	22.66	ug/l	96
71) Bromoform	10.89	173	33161	23.67	ug/l	96
73) Isopropylbenzene	11.22	105	233948	22.10	ug/l	99
74) N-amyl acetate	11.46	43	48049	17.99	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	42991	21.58	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	34471	20.35	ug/l	93
77) Bromobenzene	11.59	156	57742	20.89	ug/l	95
78) n-propylbenzene	11.69	91	276737	22.78	ug/l	99
79) 2-Chlorotoluene	11.82	91	165381	21.74	ug/l	92
80) 1,3,5-Trimethylbenzene	11.91	105	210595	22.41	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	14139m	20.15	ug/l	
82) 4-Chlorotoluene	11.98	91	169957	20.97	ug/l	99
83) tert-Butylbenzene	12.21	119	213190	22.44	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	218504	23.22	ug/l	100
85) sec-Butylbenzene	12.39	105	283418	23.34	ug/l	94
86) p-Isopropyltoluene	12.54	119	244300	22.89	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	119038	23.25	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	113378	22.57	ug/l	96
89) n-Butylbenzene	12.92	91	230275	22.59	ug/l	97
90) Hexachloroethane	13.00	117	59381	22.24	ug/l	73
91) 1,2-Dichlorobenzene	13.02	146	111910	22.99	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10452	21.46	ug/l	90

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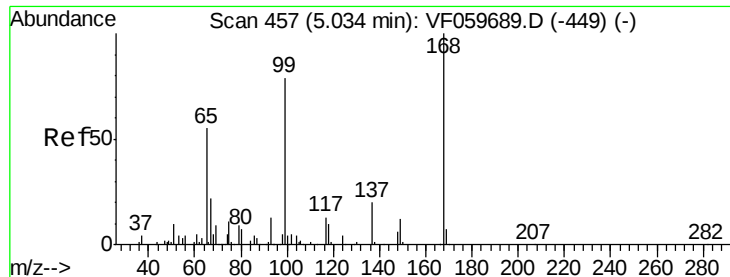
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	85353	21.57	ug/l	93
94) Hexachlorobutadiene	14.26	225	64654	24.43	ug/l	97
95) Naphthalene	14.53	128	138865	19.97	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	83764	21.79	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS01

Tot Ion:168 Resp: 168011

Ion Ratio Lower Upper

168 100

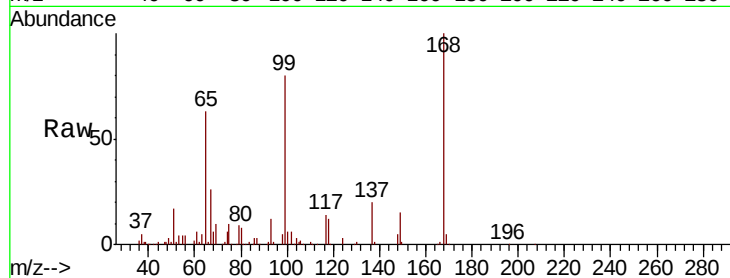
99 80.4 63.3 94.9

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

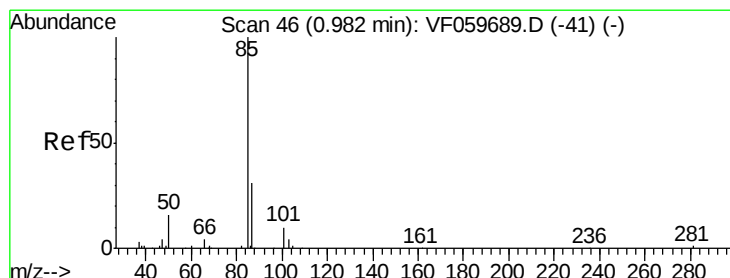
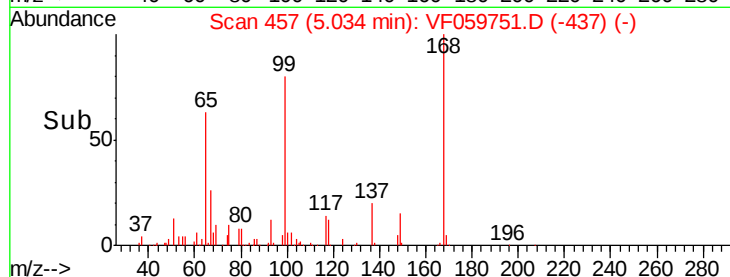
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 28.49 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059751.D

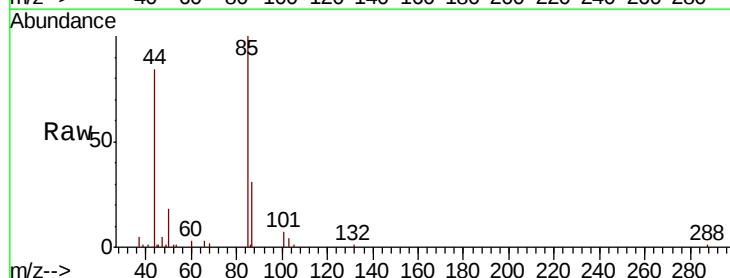
Acq: 1 Aug 2018 13:20

Tgt Ion: 85 Resp: 58399

Ion Ratio Lower Upper

85 100

87 31.3 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

20000

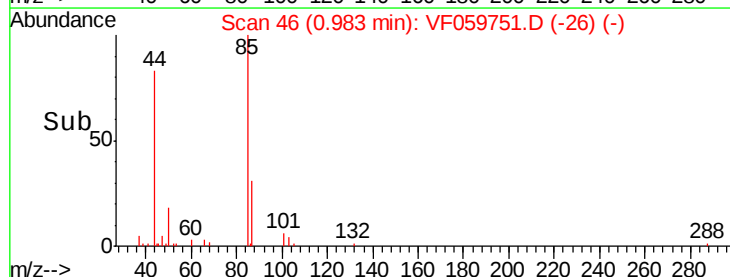
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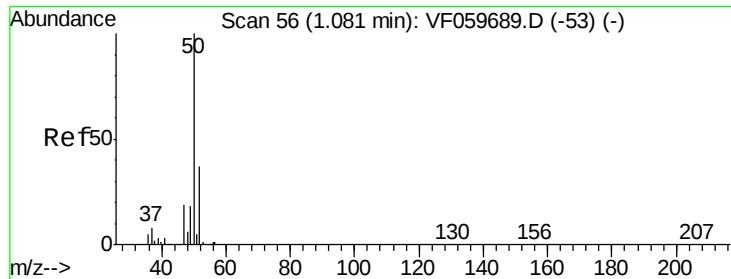
10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.51 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS01

Tot Ion: 50 Resp: 24603

Ion Ratio Lower Upper

50 100

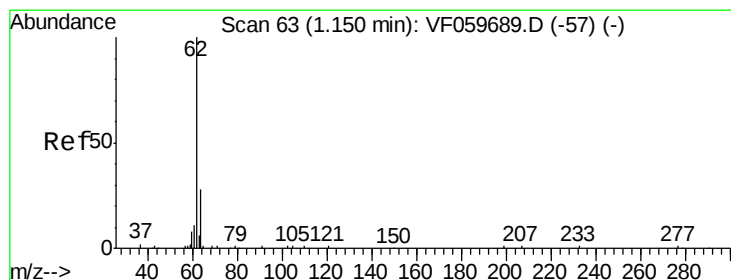
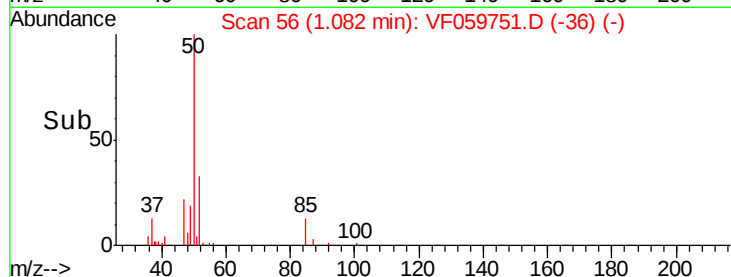
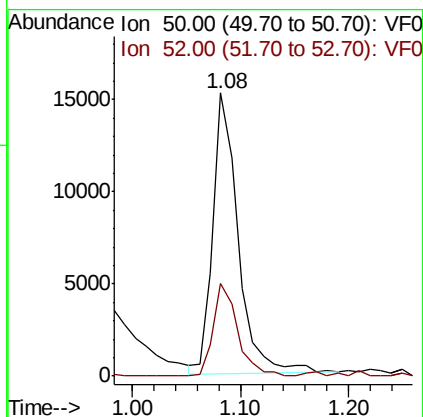
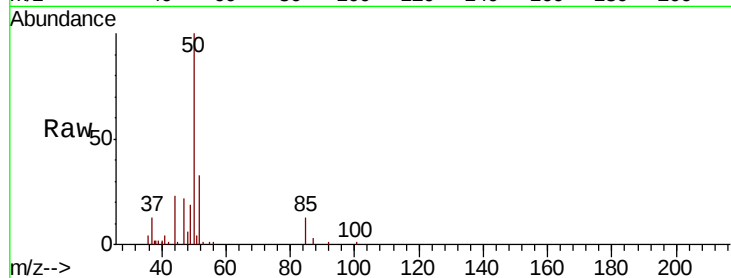
52 32.8 29.1 43.7

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#4

Vinyl Chloride

Concen: 23.40 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059751.D

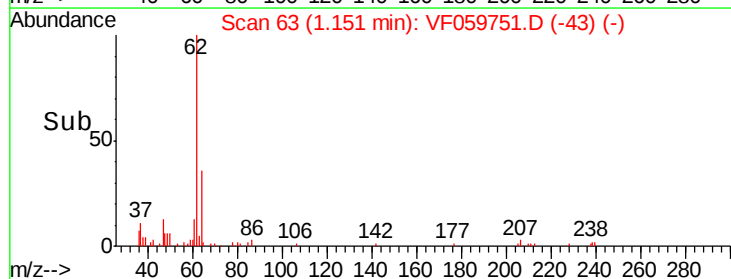
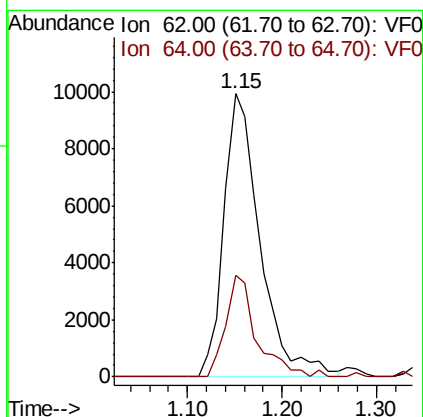
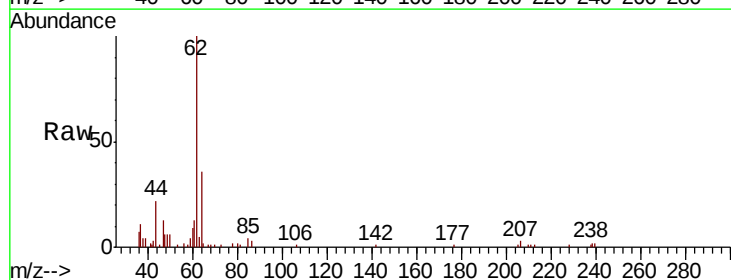
Acq: 1 Aug 2018 13:20

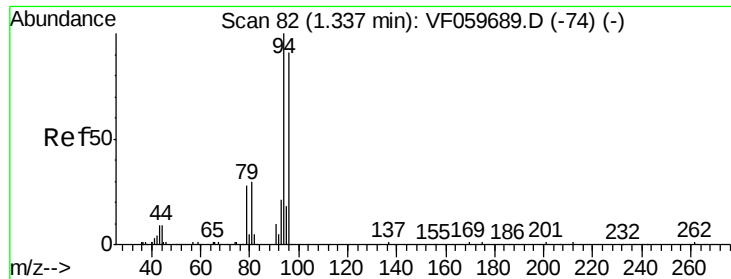
Tgt Ion: 62 Resp: 26411

Ion Ratio Lower Upper

62 100

64 35.8 22.6 33.8#





#5

Bromomethane

Concen: 26.84 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS01

Tot Ion: 94 Resp: 24616

Ion Ratio Lower Upper

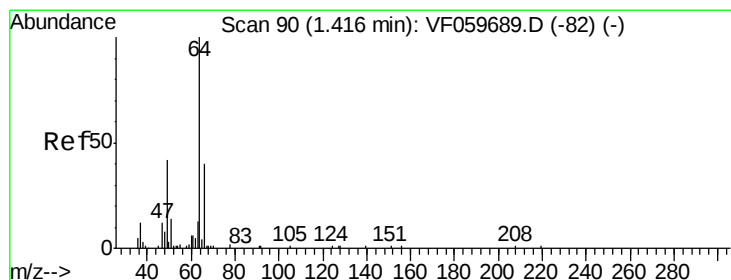
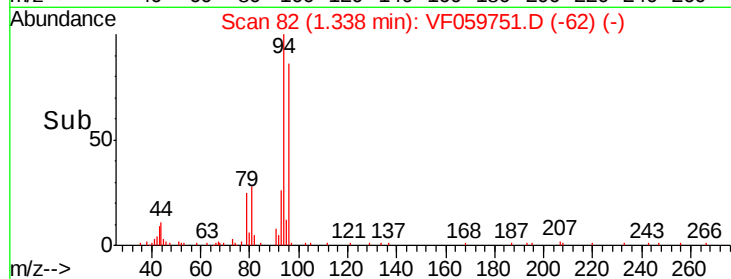
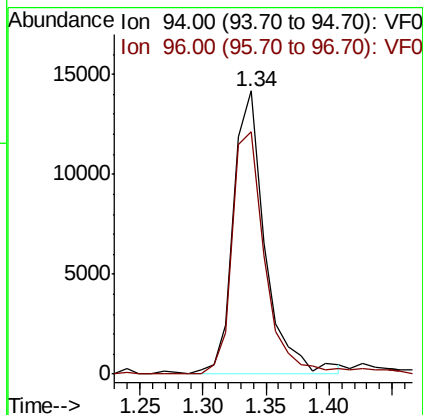
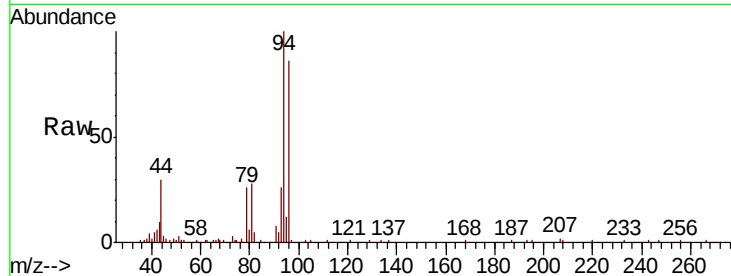
94 100

96 85.8 73.6 110.4

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#6

Chloroethane

Concen: 29.07 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059751.D

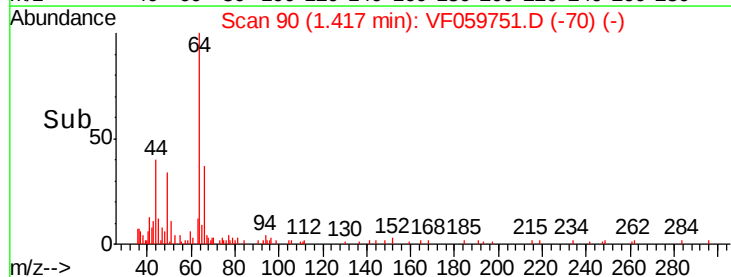
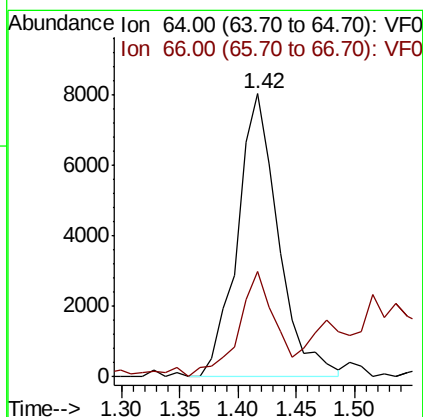
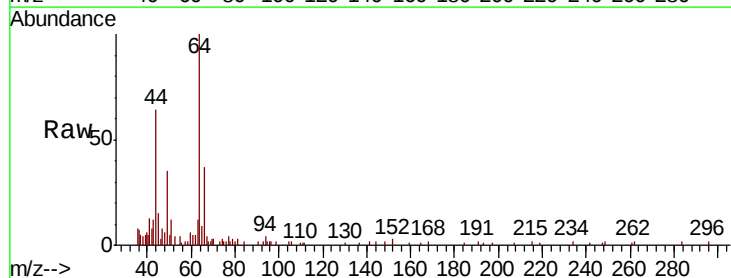
Acq: 1 Aug 2018 13:20

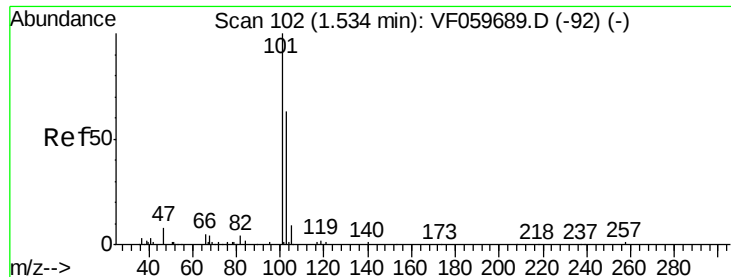
Tgt Ion: 64 Resp: 19573

Ion Ratio Lower Upper

64 100

66 37.4 32.6 49.0





#7

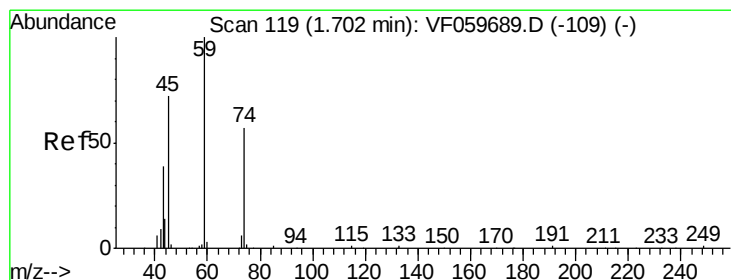
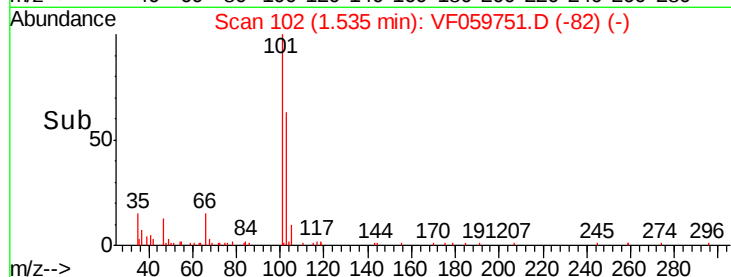
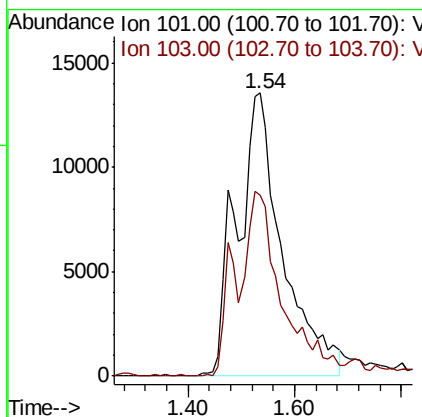
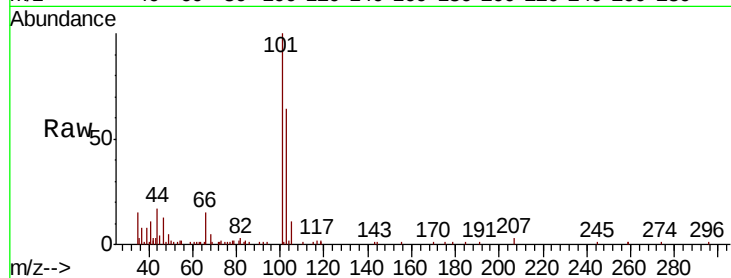
Trichlorofluoromethane
 Concen: 25.68 ug/l m
 RT: 1.54 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VF059751.D
 Acq: 1 Aug 2018 13:20

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 ClientSampleId :
 VF0801SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	50.8	76.2

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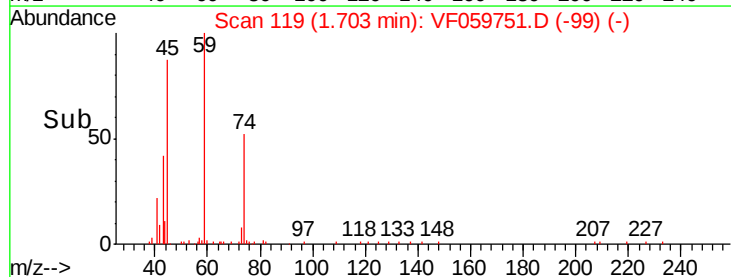
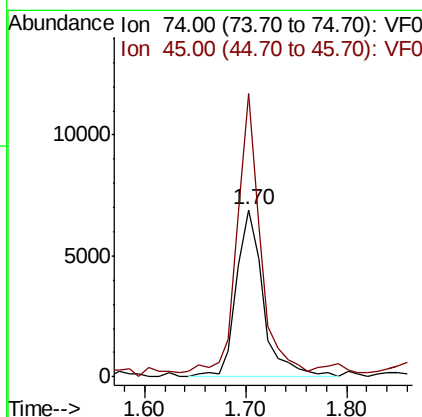
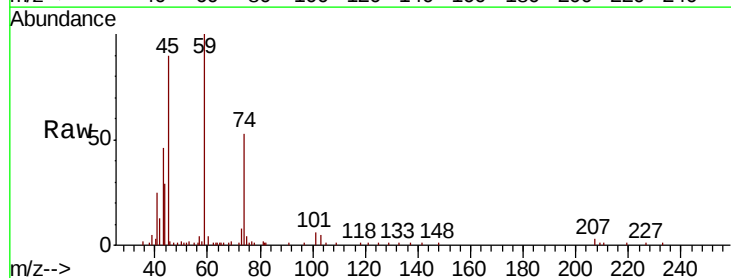
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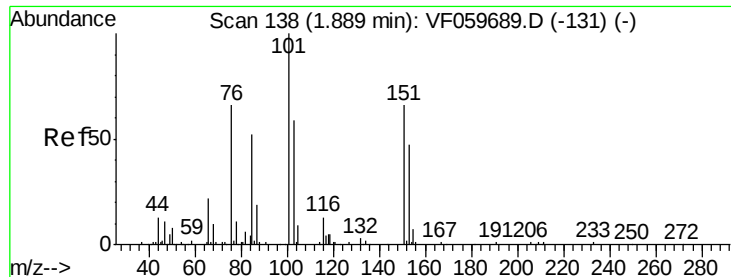


#8

Diethyl Ether
 Concen: 24.05 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059751.D
 Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	169.0	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 27.06 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

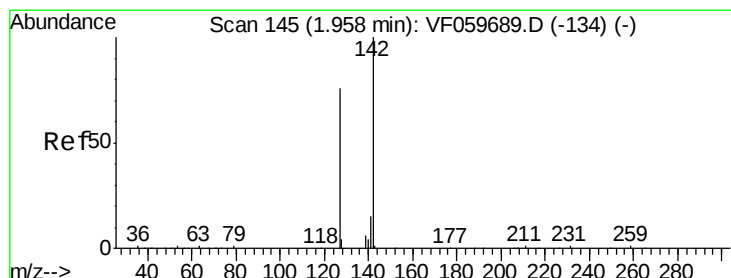
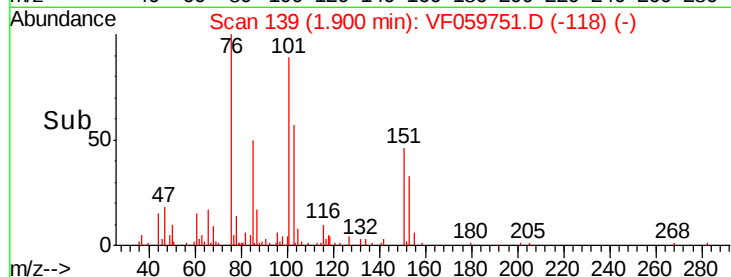
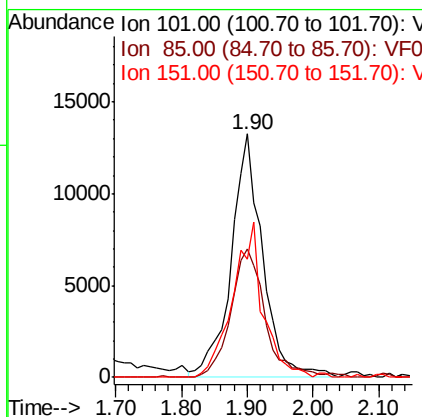
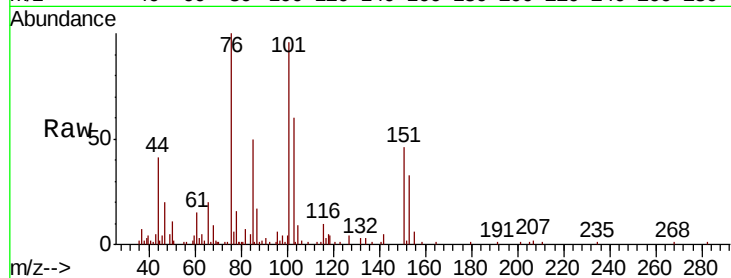
ClientSampleId :

VF0801SBS01

Tot Ion:	101	Resp:	44473
Ion Ratio	Lower	Upper	
101	100		
85	54.2	40.7	61.1
151	48.5	51.4	77.2#

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#10

Methyl Iodide

Concen: 24.03 ug/l

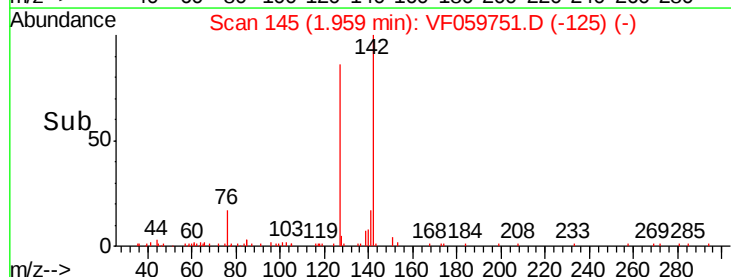
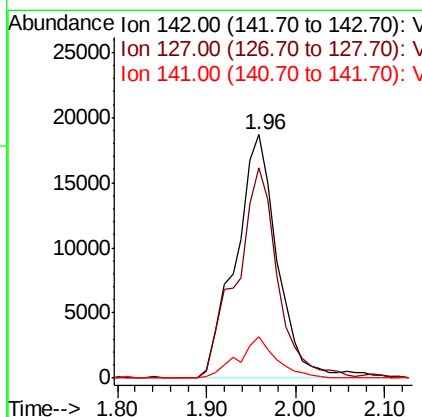
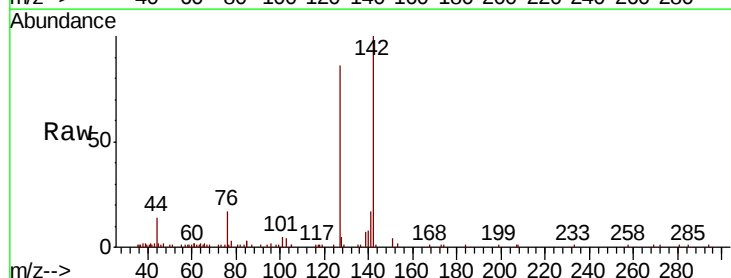
RT: 1.96 min Scan# 145

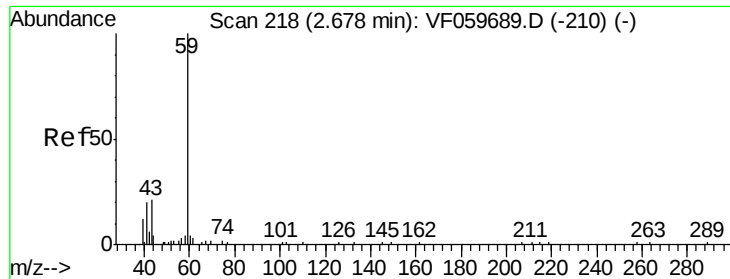
Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Tgt Ion:	142	Resp:	60161
Ion Ratio	Lower	Upper	
142	100		
127	86.2	60.6	91.0
141	17.0	12.0	18.0





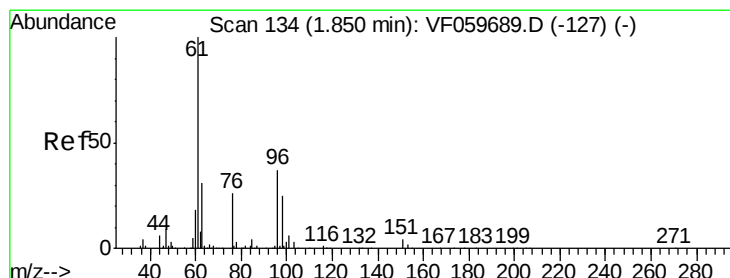
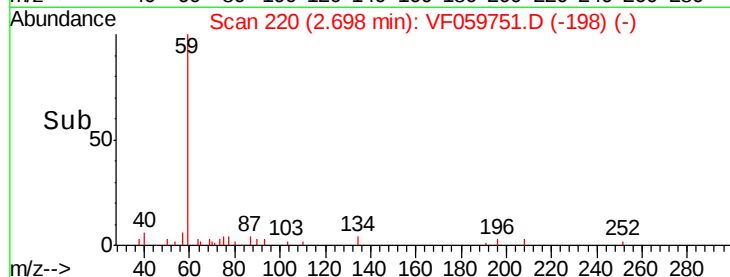
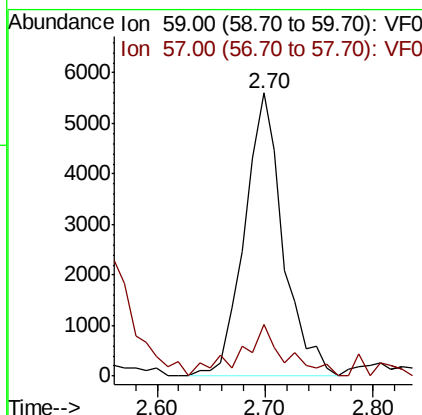
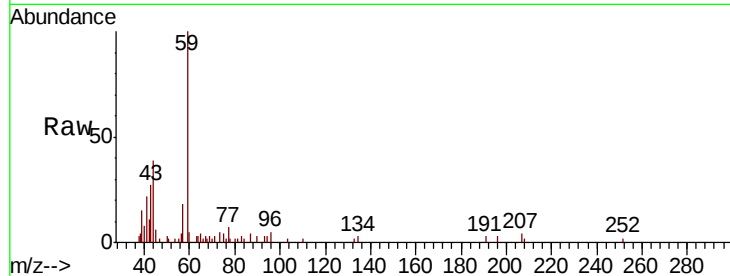
#11
Tert butyl alcohol
Concen: 113.74 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.02 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	18.2	7.6	11.4#

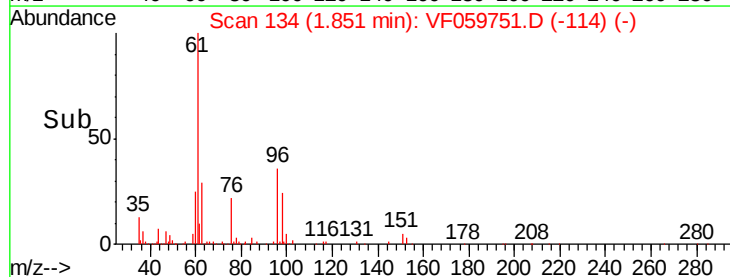
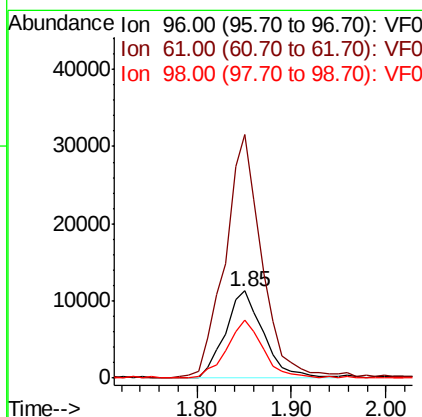
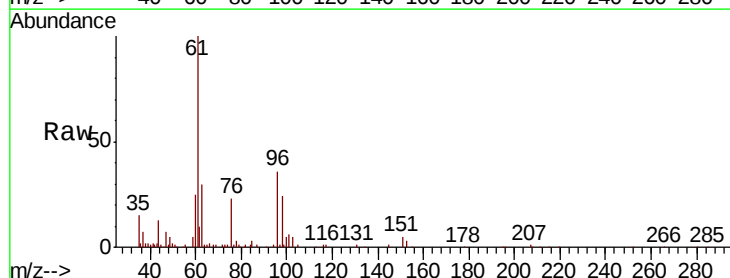
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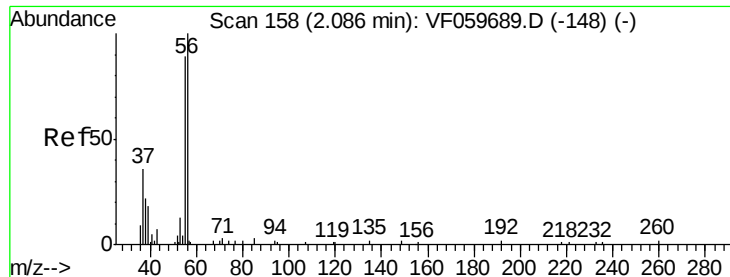
apatel
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#12
1,1-Dichloroethene
Concen: 24.36 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	279.8	215.1	322.7
98	67.1	54.3	81.5





#13

Acrolein

Concen: 18.57 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.12 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS01

Tot Ion: 56 Resp: 171

Ion Ratio Lower Upper

56 100

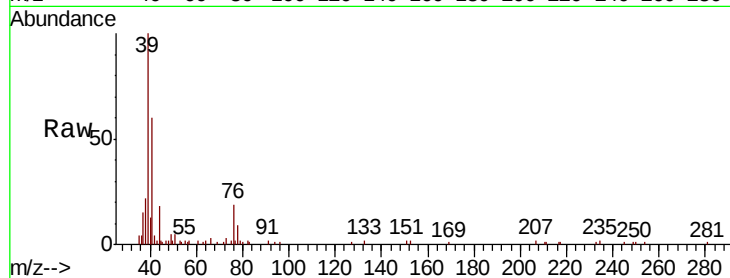
55 106.5 73.2 109.8

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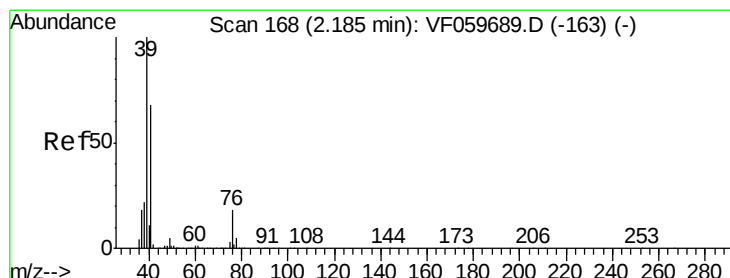
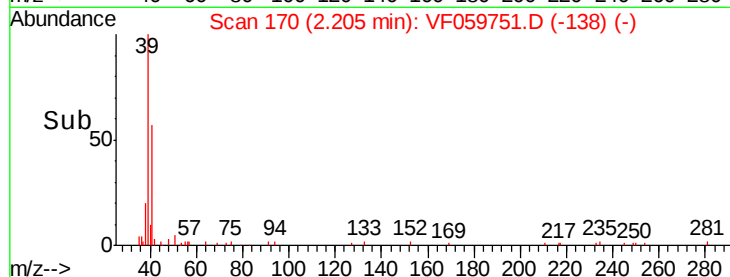
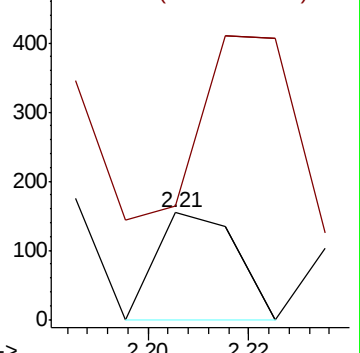
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 23.26 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

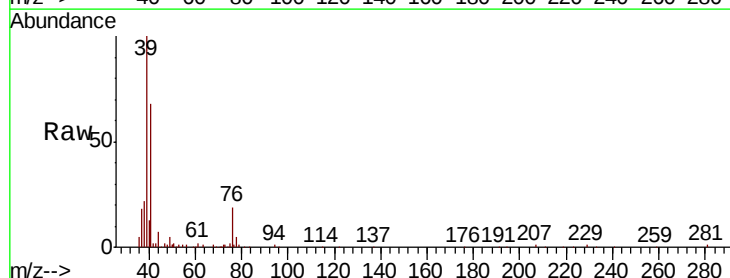
Tgt Ion: 41 Resp: 48317

Ion Ratio Lower Upper

41 100

39 147.4 118.1 177.1

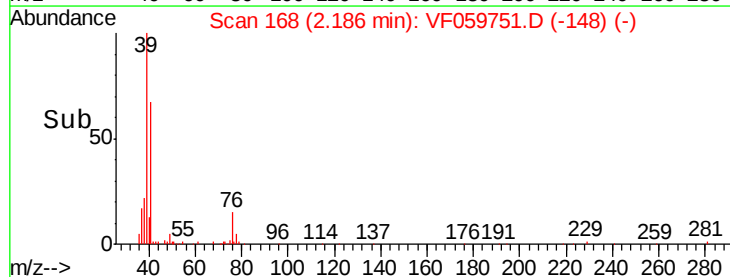
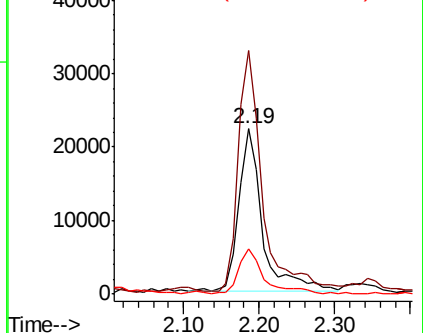
76 27.3 22.0 33.0

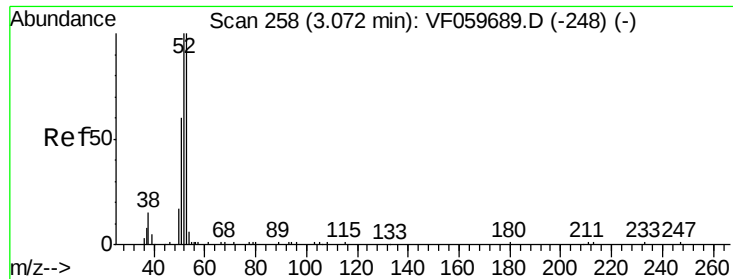


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 114.95 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

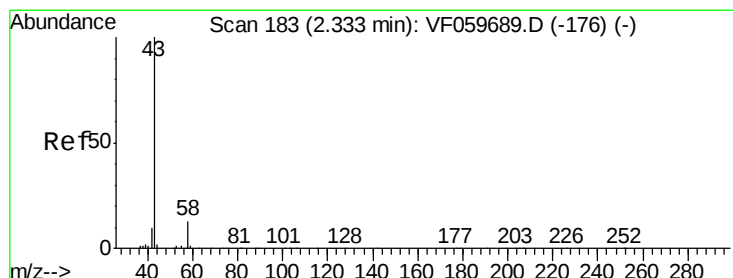
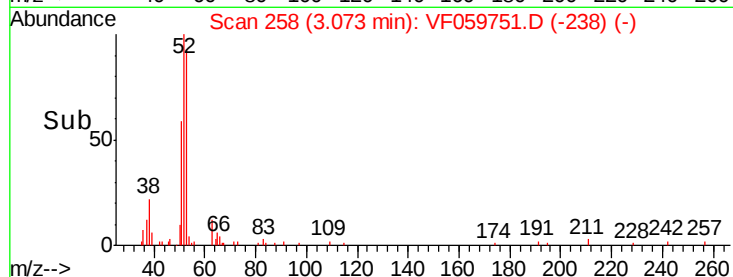
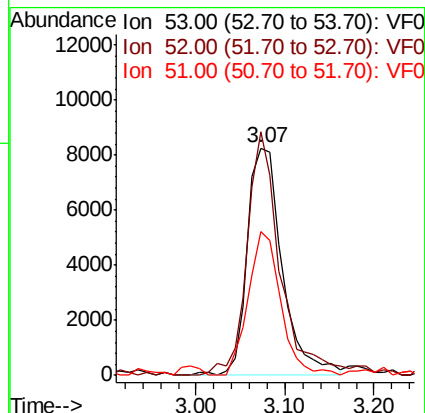
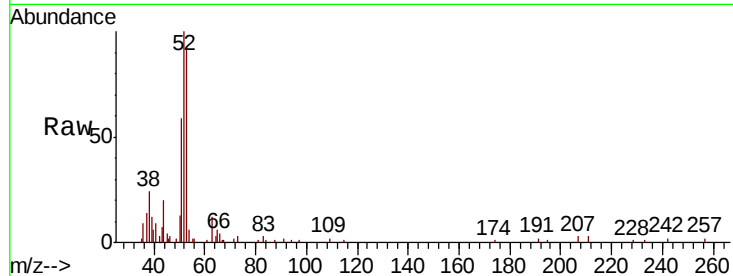
ClientSampleId :

VF0801SBS01

Tot Ion:	53	Resp:	22420
Ion	Ratio	Lower	Upper
53	100		
52	107.1	80.3	120.5
51	63.2	49.4	74.0

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#16

Acetone

Concen: 115.66 ug/l

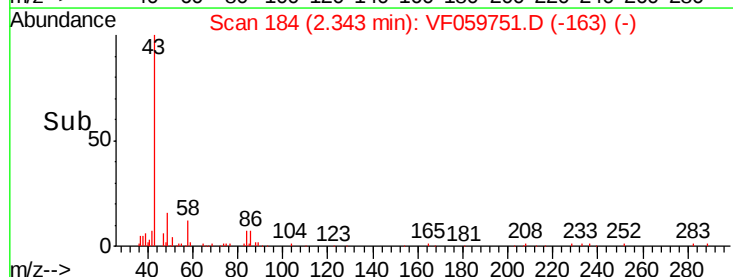
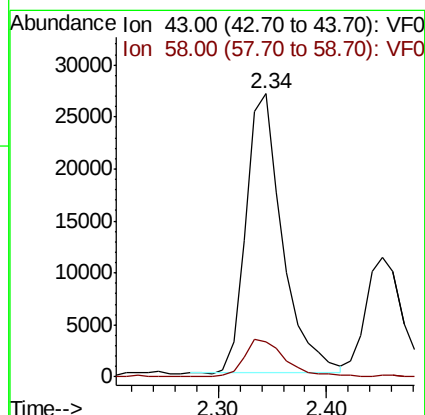
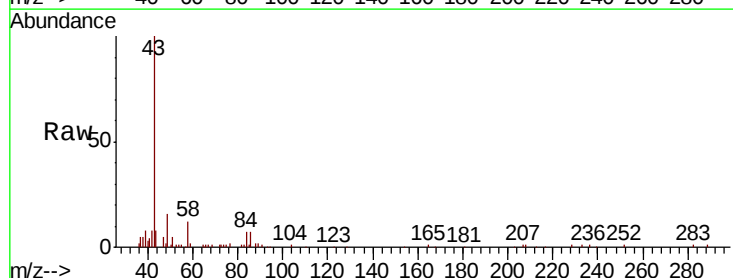
RT: 2.34 min Scan# 184

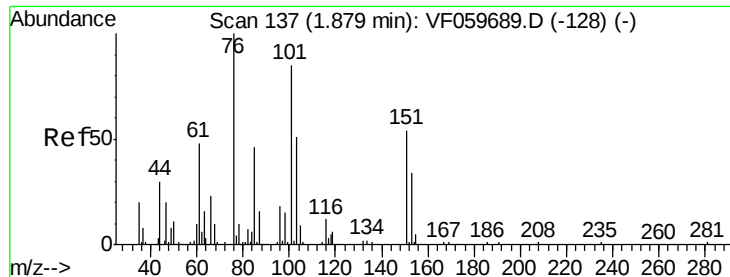
Delta R.T. 0.01 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Tgt Ion:	43	Resp:	62818
Ion	Ratio	Lower	Upper
43	100		
58	12.3	10.1	15.1





#17

Carbon Disulfide

Concen: 27.70 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.01 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS01

Tot Ion: 76 Resp: 80273

Ion Ratio Lower Upper

76 100

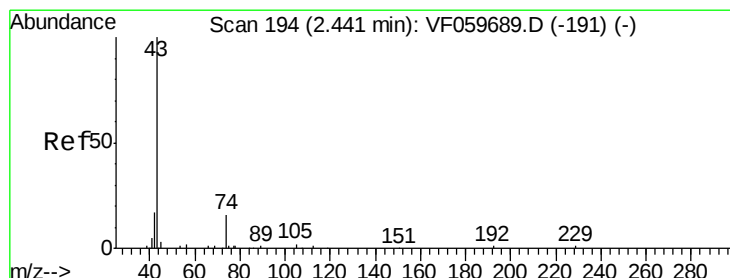
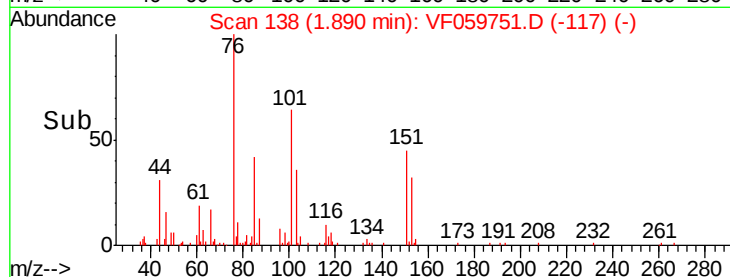
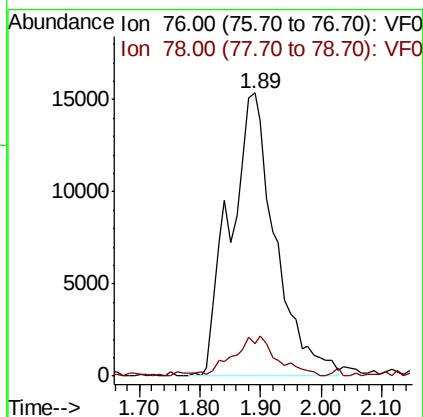
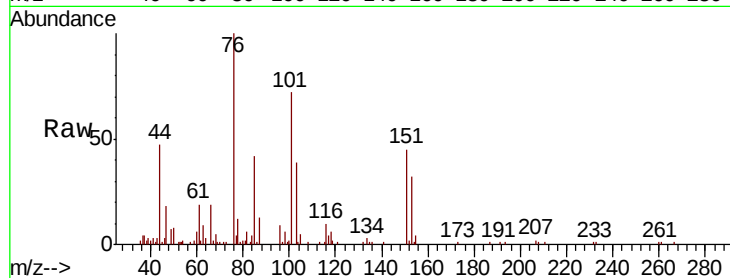
78 11.6 8.9 13.3

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#18

Methyl Acetate

Concen: 29.73 ug/l m

RT: 2.45 min Scan# 195

Delta R.T. 0.01 min

Lab File: VF059751.D

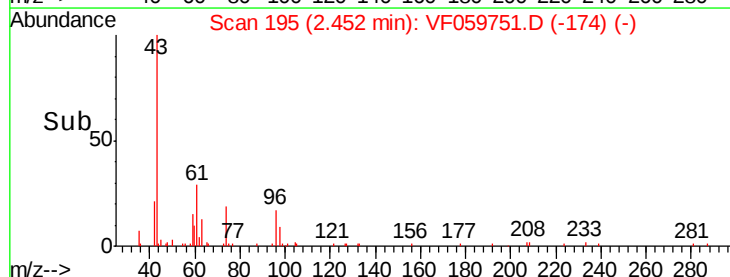
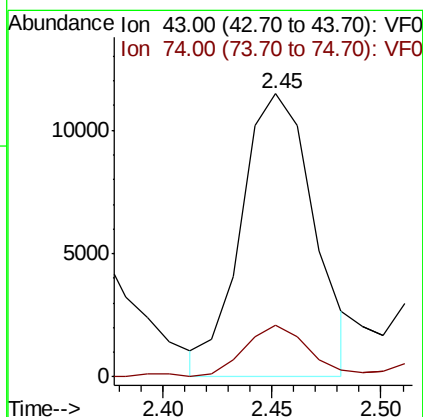
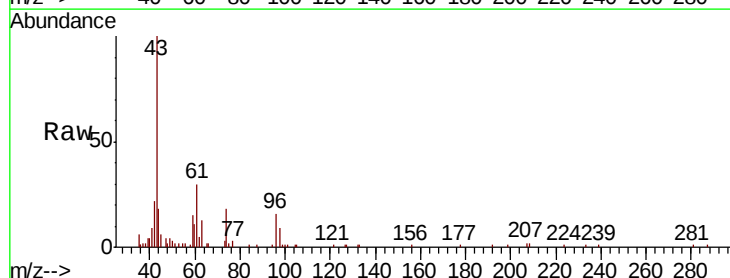
Acq: 1 Aug 2018 13:20

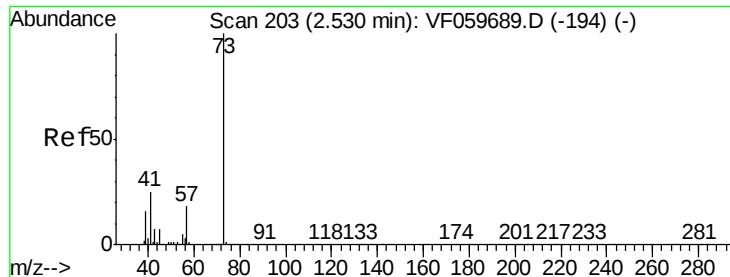
Tgt Ion: 43 Resp: 26759

Ion Ratio Lower Upper

43 100

74 18.4 11.8 17.6#





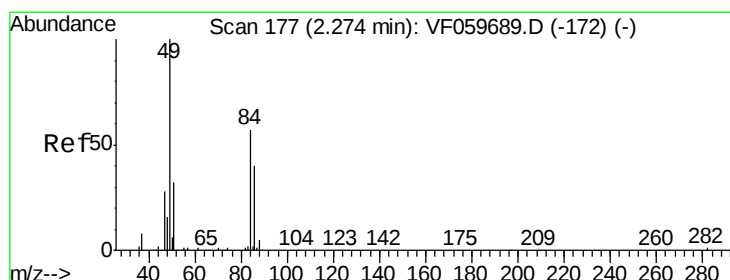
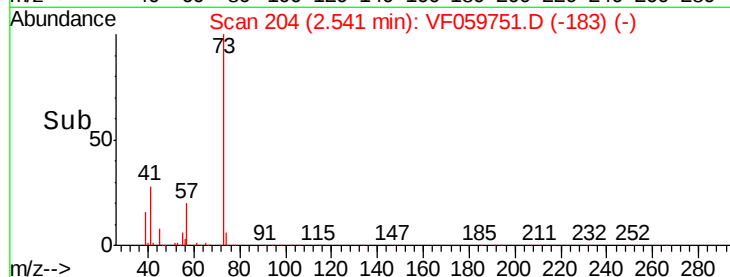
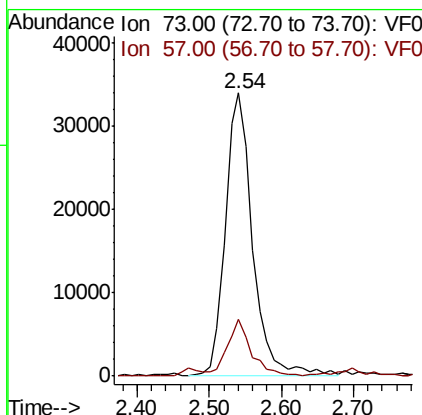
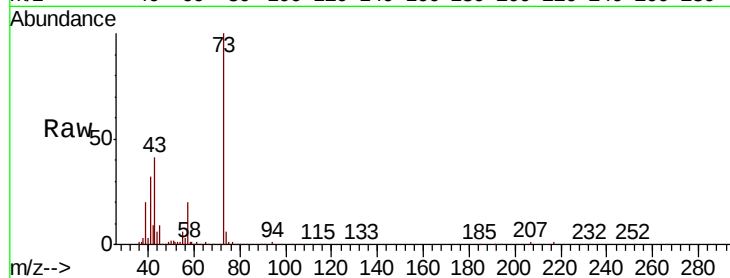
#19
Methyl tert-butyl Ether
Concen: 22.22 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.01 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.2	14.2	21.2

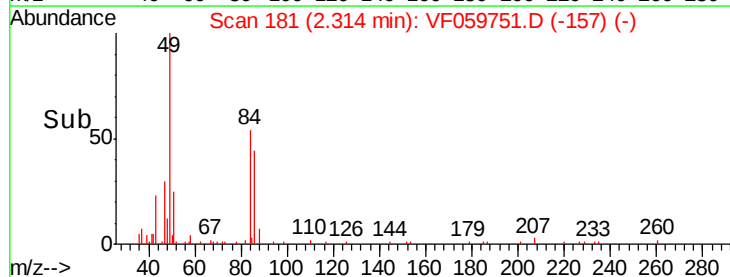
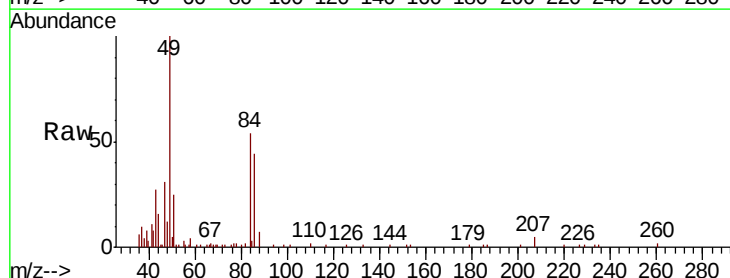
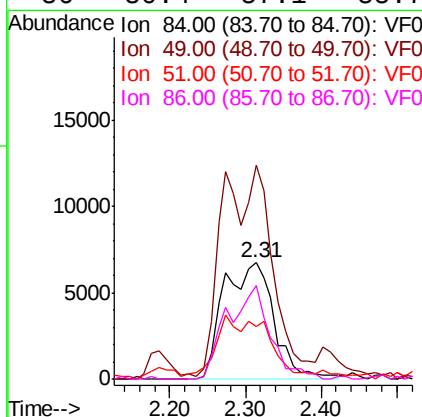
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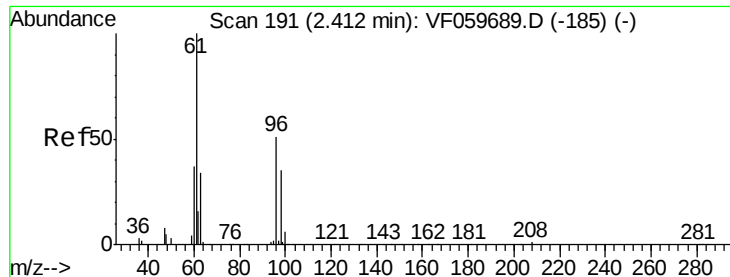
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#20
Methylene Chloride
Concen: 22.59 ug/l
RT: 2.31 min Scan# 181
Delta R.T. 0.04 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Lower	Upper
84	100		
49	183.8	142.2	213.4
51	45.6	46.2	69.2
86	80.4	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 25.80 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

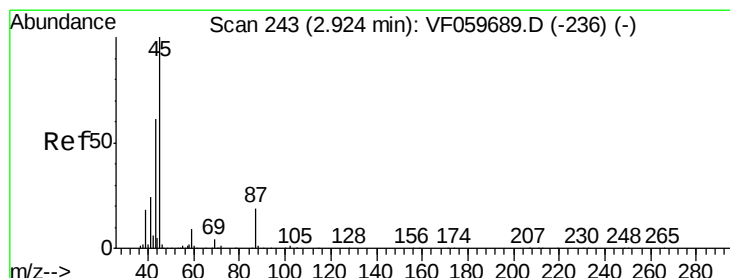
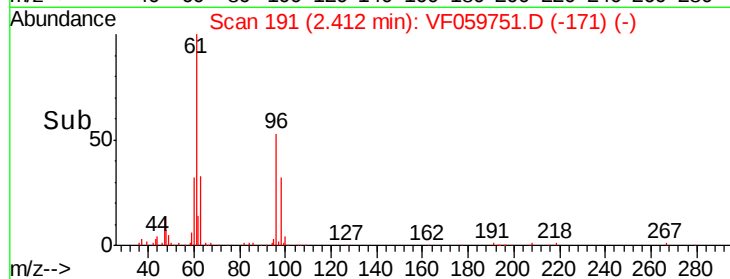
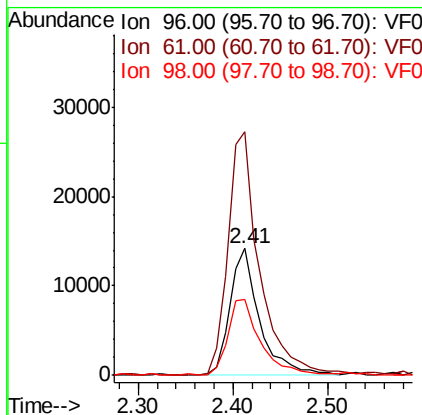
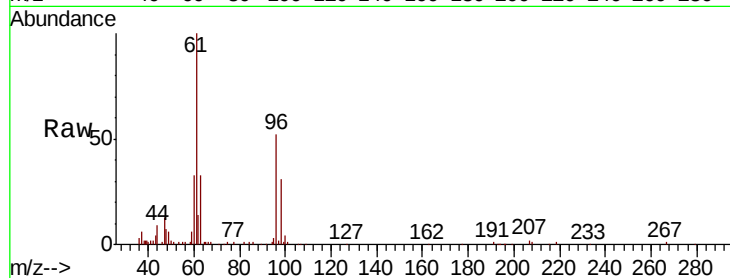
ClientSampleId :

VF0801SBS01

Tot Ion:	96	Resp:	30793
Ion	Ratio	Lower	Upper
96	100		
61	191.7	157.4	236.0
98	60.2	55.0	82.4

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#22

Diisopropyl ether

Concen: 22.69 ug/l

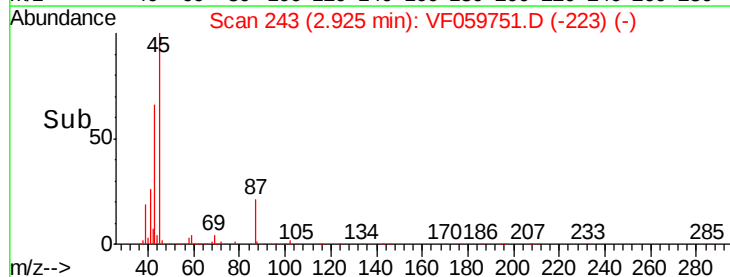
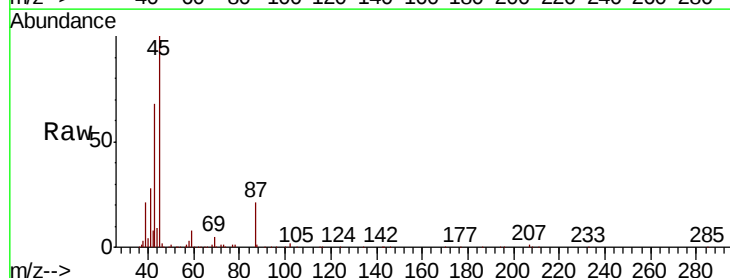
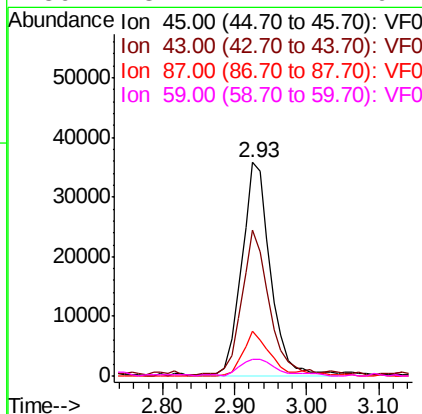
RT: 2.93 min Scan# 243

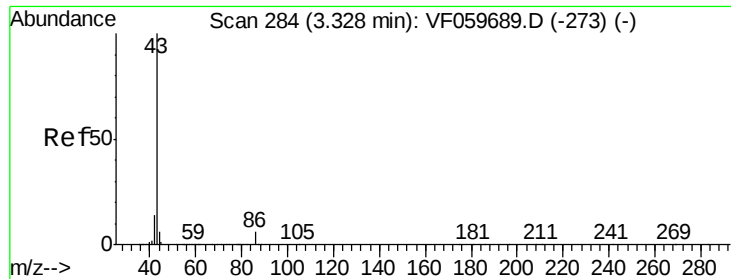
Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Tgt Ion:	45	Resp:	99669
Ion	Ratio	Lower	Upper
45	100		
43	68.1	49.3	73.9
87	20.8	15.3	22.9
59	8.1	7.1	10.7





#23

Vinyl Acetate

Concen: 102.42 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

ClientSampleID :

VF0801SBS01

Tot Ion: 43 Resp: 231326

Ion Ratio Lower Upper

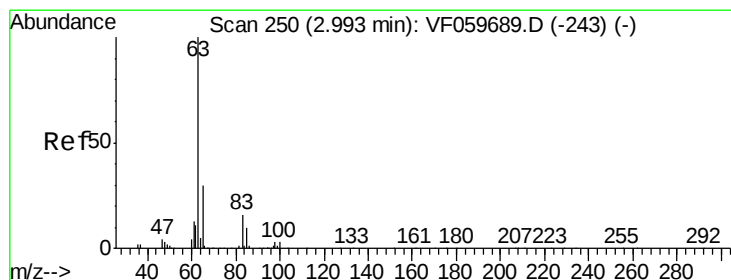
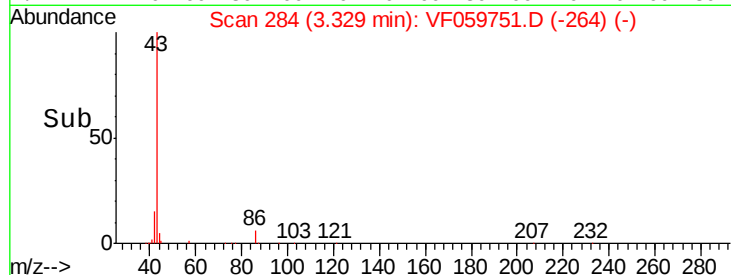
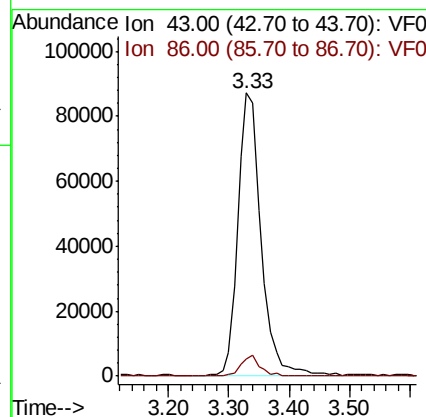
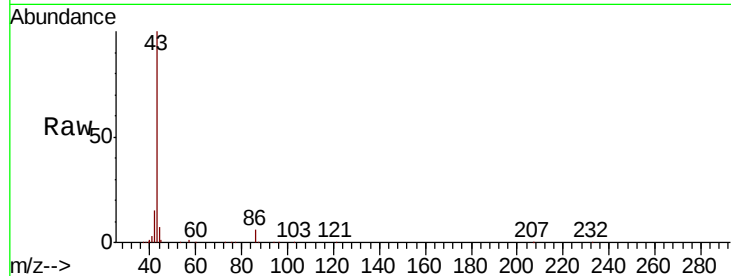
43 100

86 5.9 4.6 6.8

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#24

1,1-Dichloroethane

Concen: 24.47 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

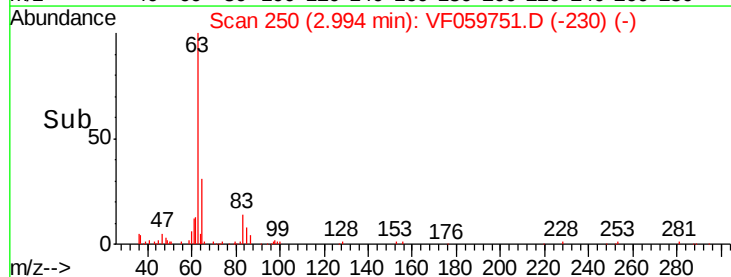
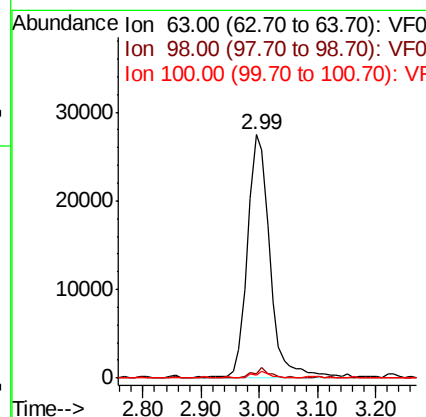
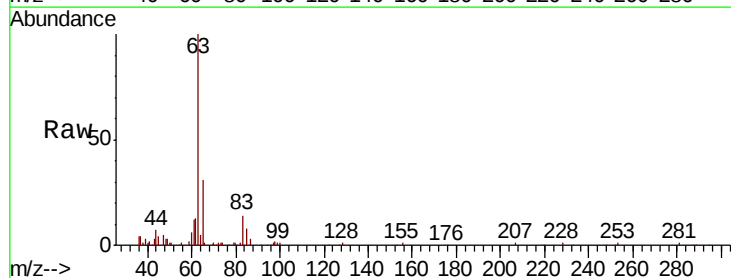
Tgt Ion: 63 Resp: 74692

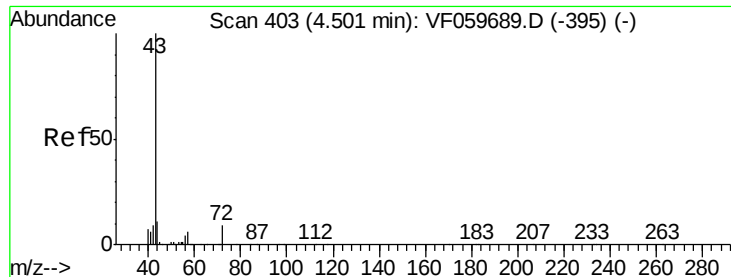
Ion Ratio Lower Upper

63 100

98 1.8 1.4 4.2

100 1.5 1.6 4.7#





#25

2-Butanone

Concen: 102.61 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS01

Tot Ion: 43 Resp: 62195

Ion Ratio Lower Upper

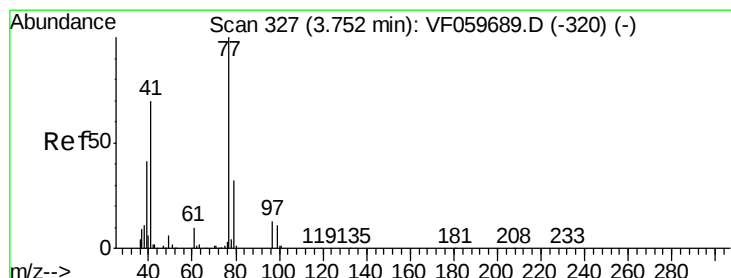
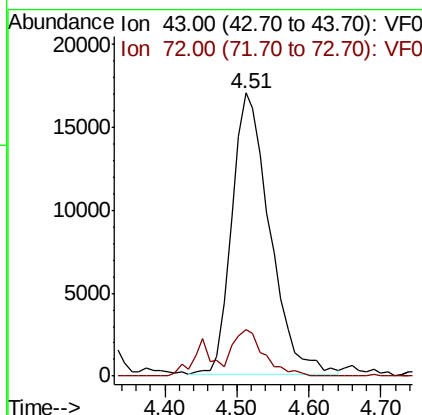
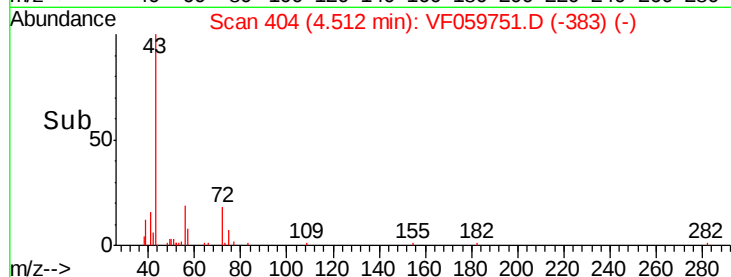
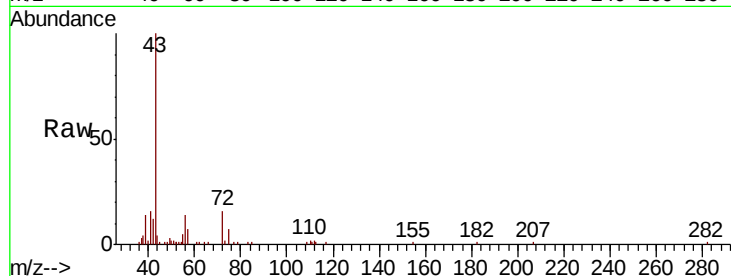
43 100

72 16.3 7.7 11.5#

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#26

2,2-Dichloropropane

Concen: 24.91 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059751.D

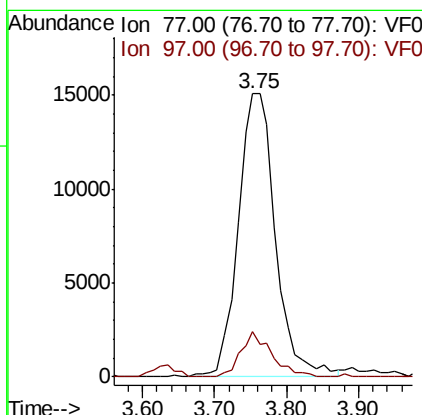
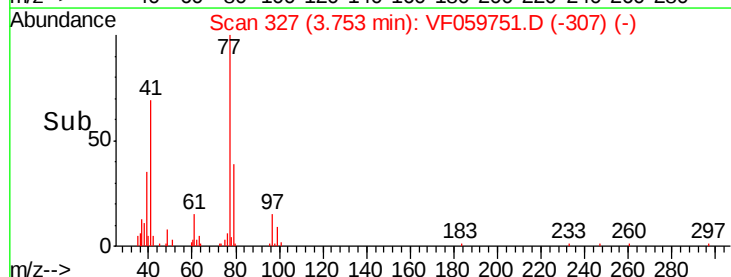
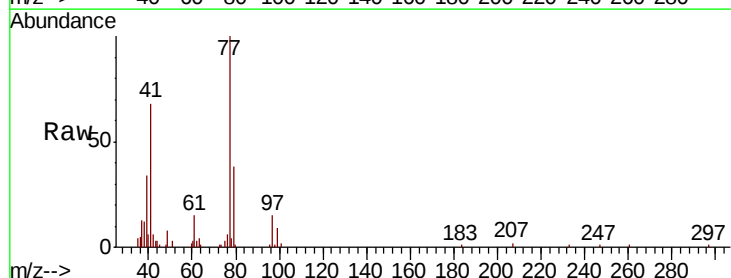
Acq: 1 Aug 2018 13:20

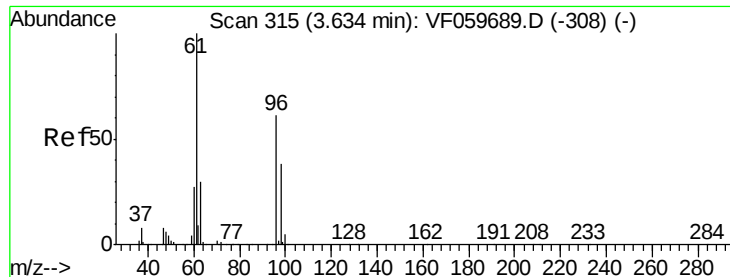
Tgt Ion: 77 Resp: 54189

Ion Ratio Lower Upper

77 100

97 15.9 6.8 20.4





#27

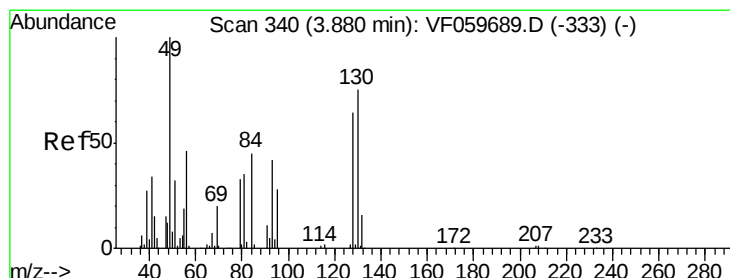
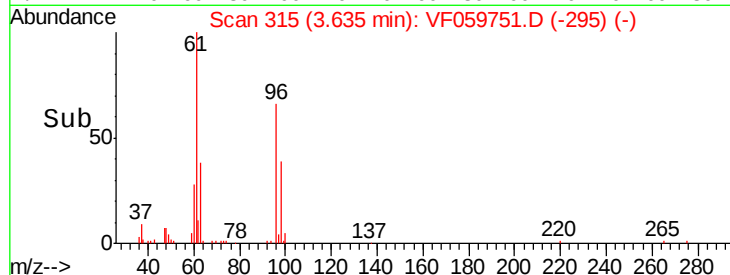
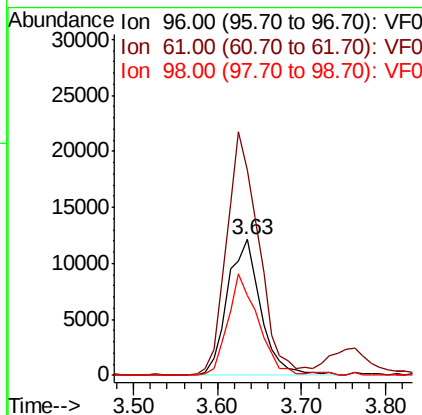
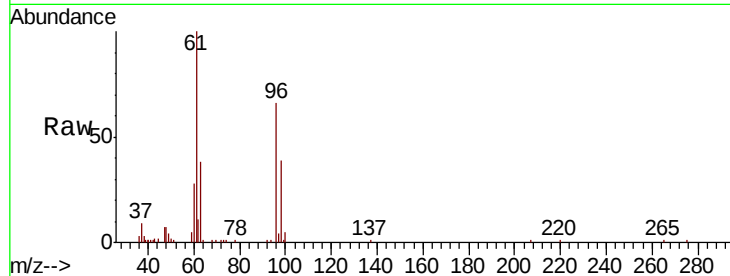
cis-1,2-Dichloroethene
 Concen: 20.51 ug/l
 RT: 3.63 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VF059751.D
 Acq: 1 Aug 2018 13:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	33514		
61	150.7	0.0	326.8	
98	59.2	0.0	125.2	

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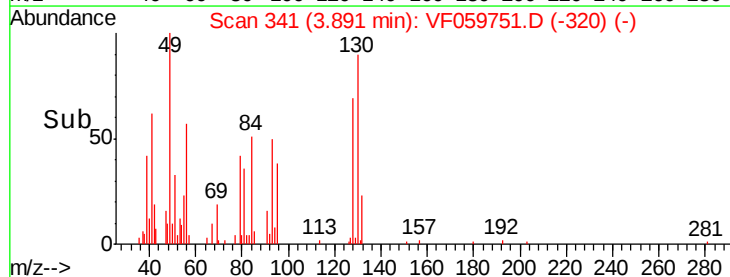
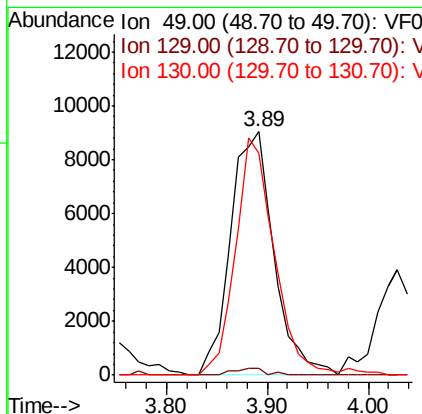
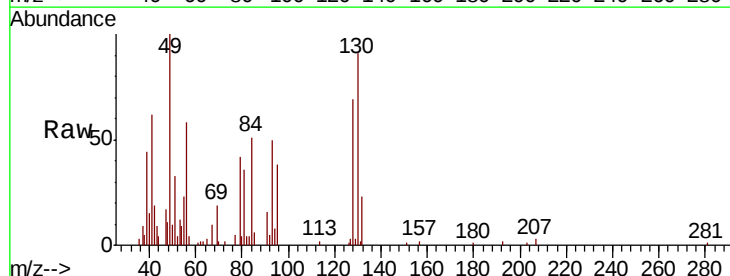
apatel
 8/2/2018 10:25:49 AM

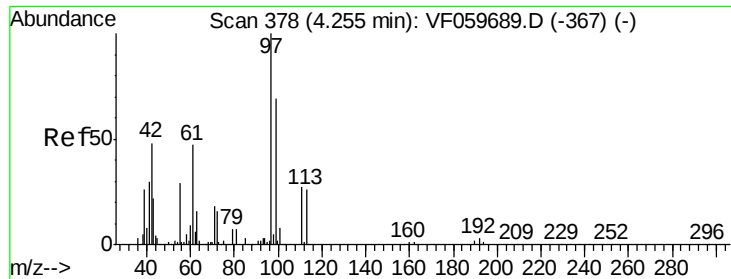


#28

Bromochloromethane
 Concen: 22.89 ug/l
 RT: 3.89 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: VF059751.D
 Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	26974		
129	3.0	0.0	4.8	
130	90.9	59.6	89.4#	





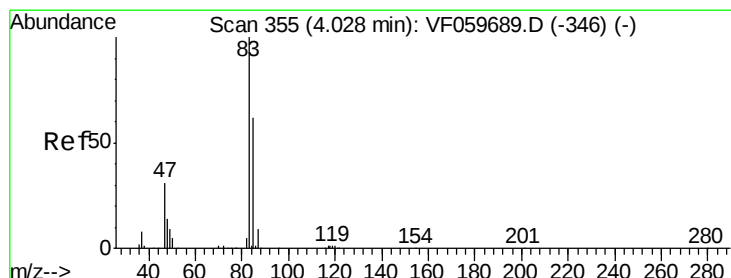
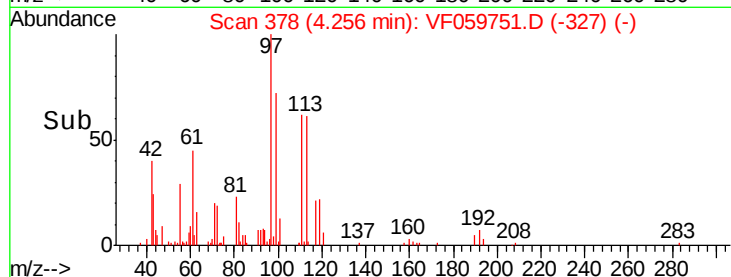
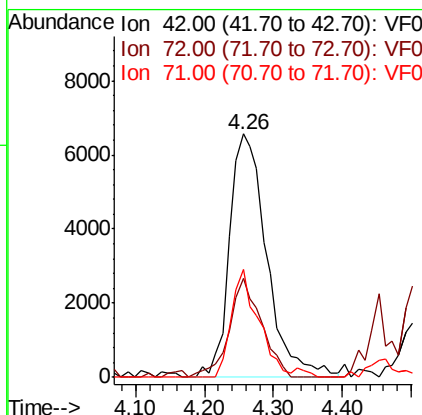
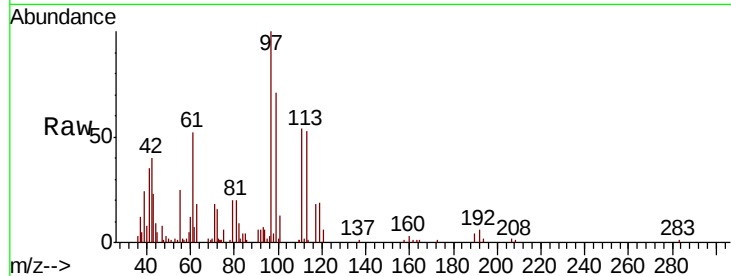
#29
Tetrahydrofuran
Concen: 105.50 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.2	27.0	40.6
71	32.2	29.7	44.5

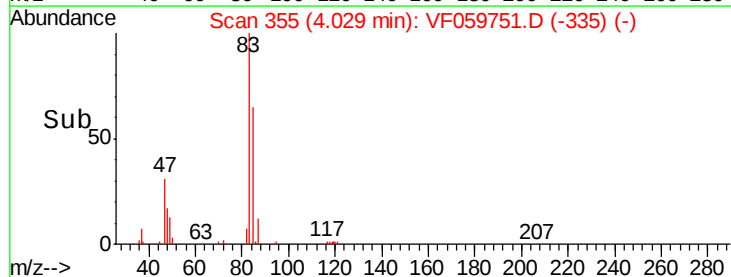
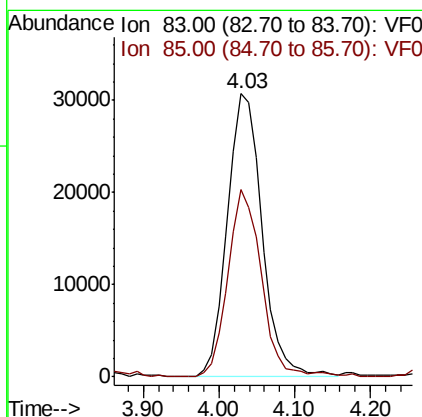
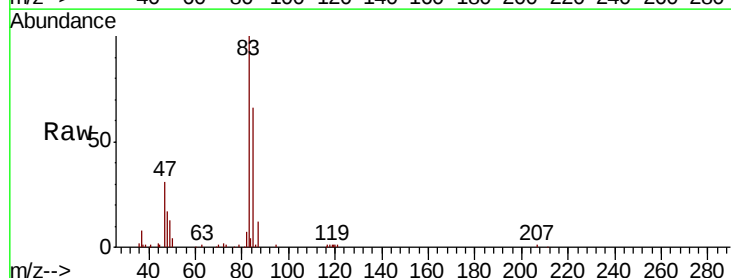
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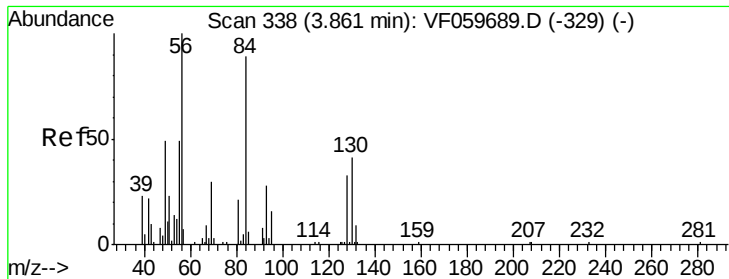
apatel
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#30
Chloroform
Concen: 22.74 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	49.4	74.0





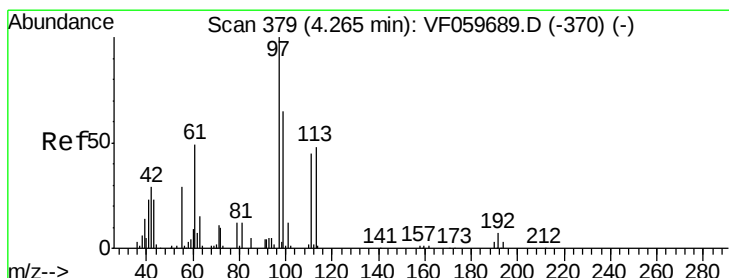
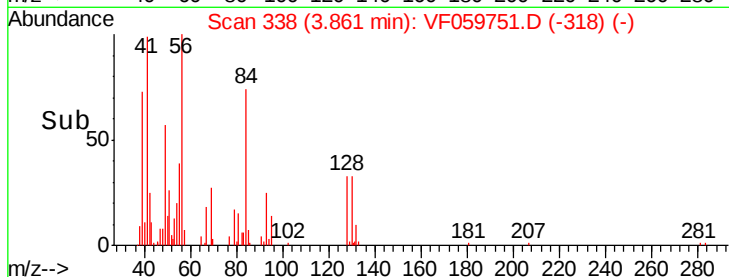
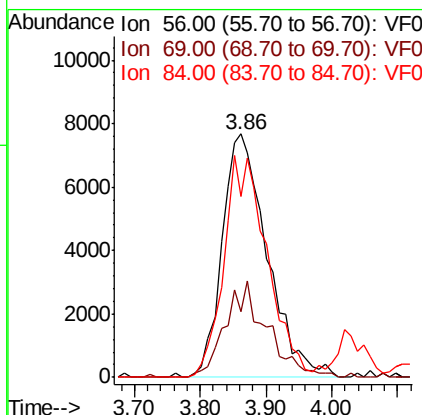
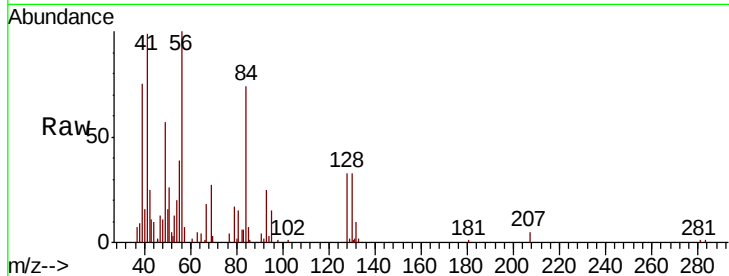
#31
Cyclohexane
Concen: 22.48 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.1	23.7	35.5
84	74.2	71.1	106.7

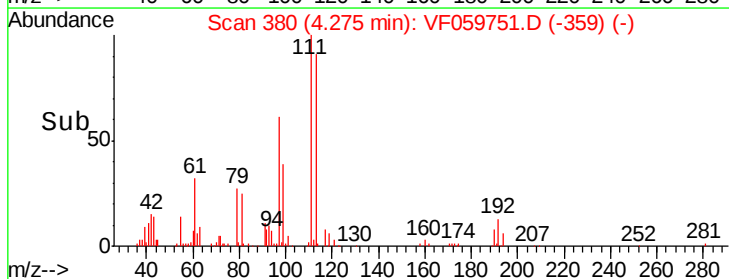
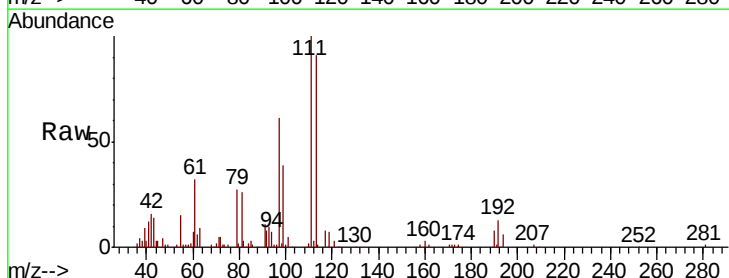
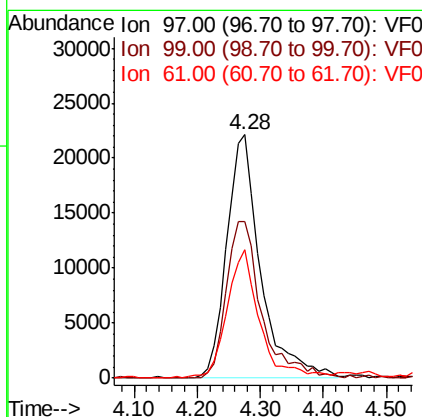
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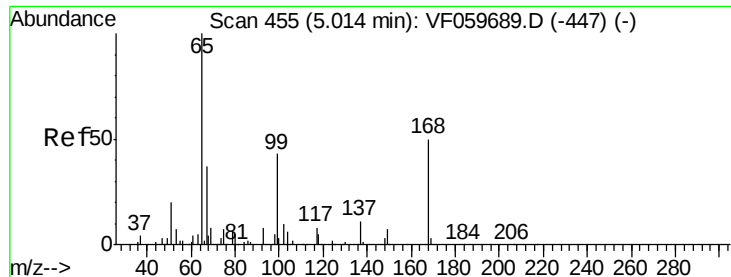
apatel
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#32
1,1,1-Trichloroethane
Concen: 24.67 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.4	78.6
61	52.9	39.7	59.5





#33

1,2-Dichloroethane-d4

Concen: 53.69 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059751.D

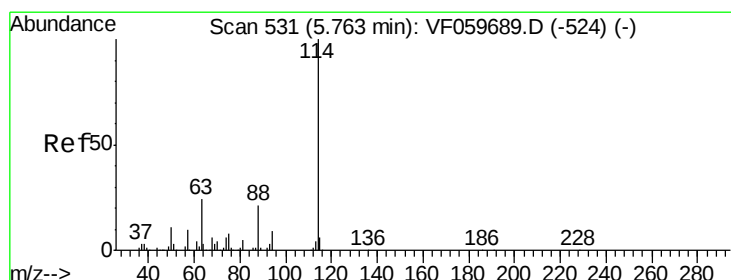
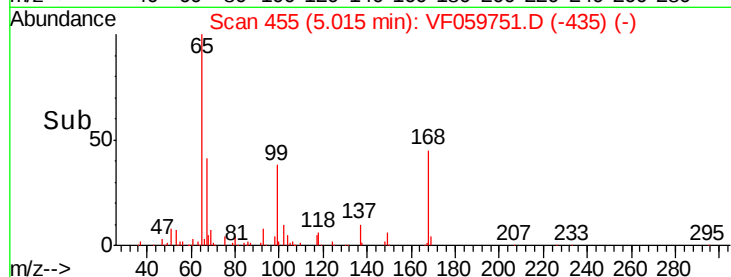
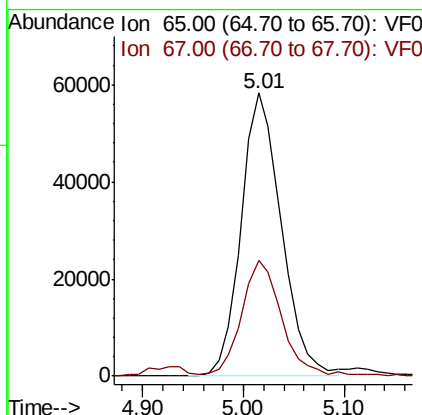
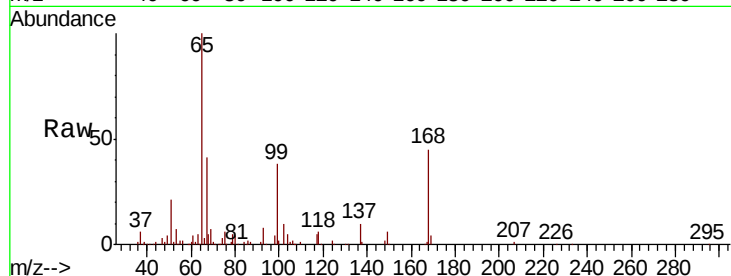
Acq: 1 Aug 2018 13:20

Tot Ion	Ratio	Resp	Lower	Upper
65	100	162128		
67	41.1	0.0	84.6	

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS01

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

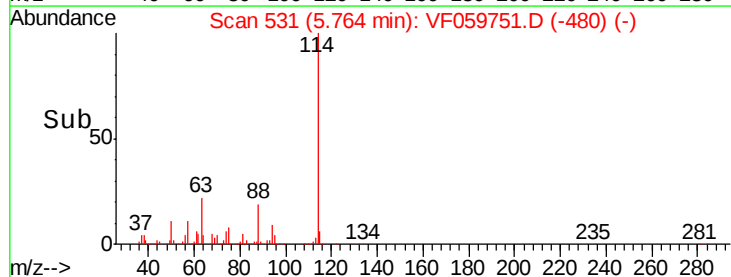
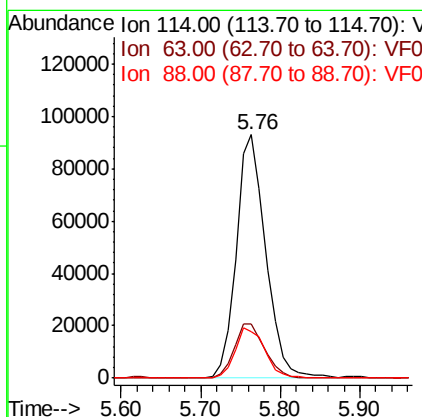
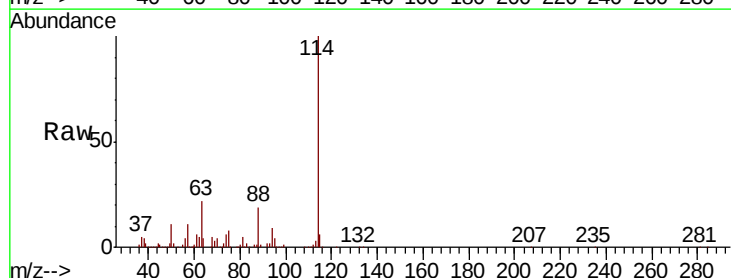
RT: 5.76 min Scan# 531

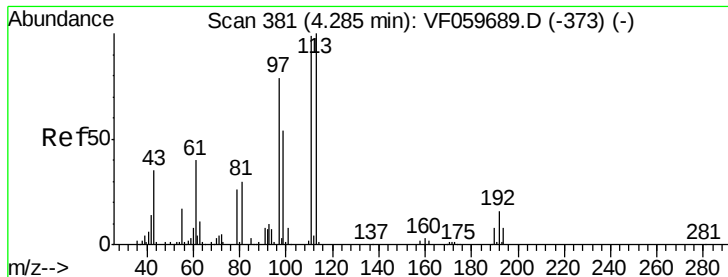
Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	237845		
63	22.4	0.0	47.4	
88	19.0	0.0	41.2	





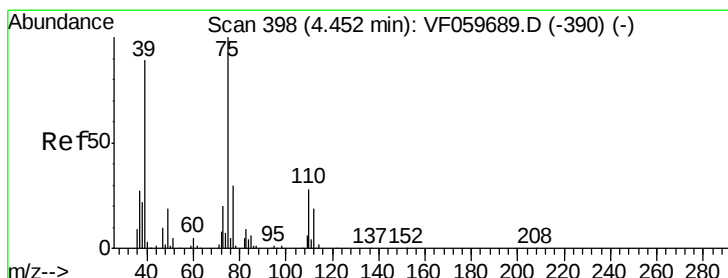
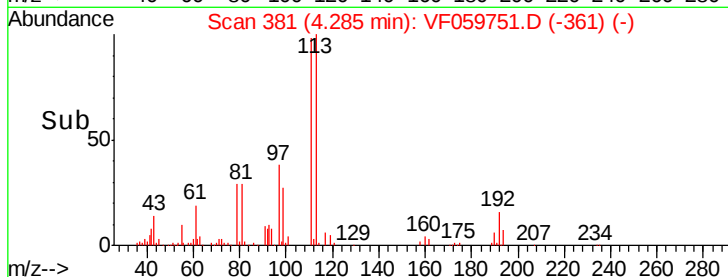
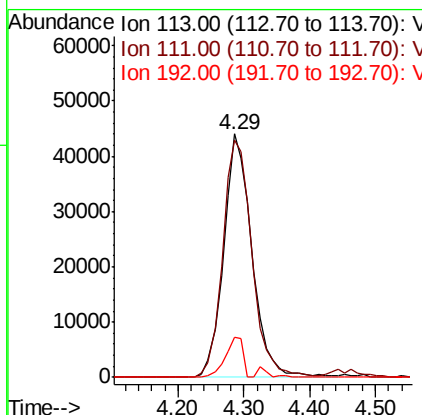
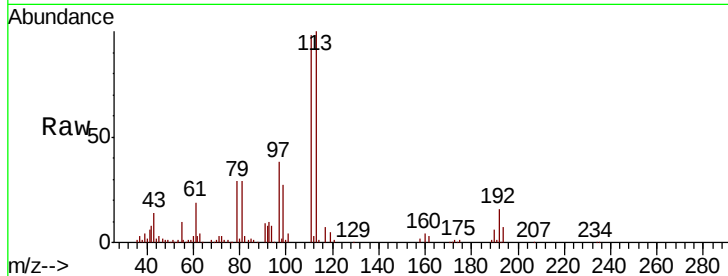
#35
 Dibromofluoromethane
 Concen: 53.75 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059751.D
 Acq: 1 Aug 2018 13:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	97.6	79.0	118.4
192	16.4	13.2	19.8

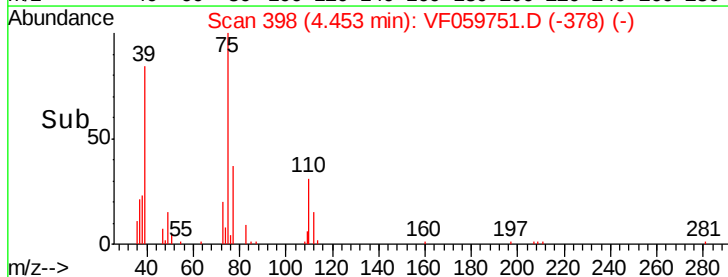
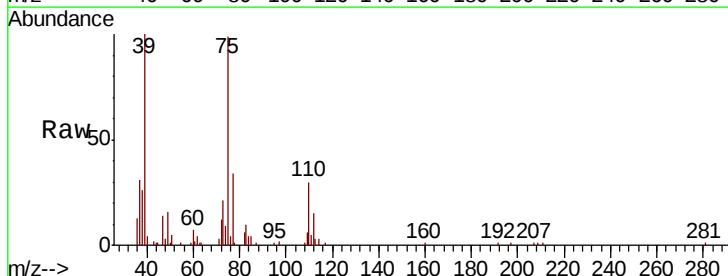
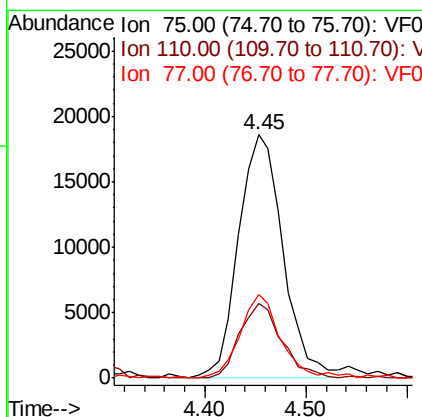
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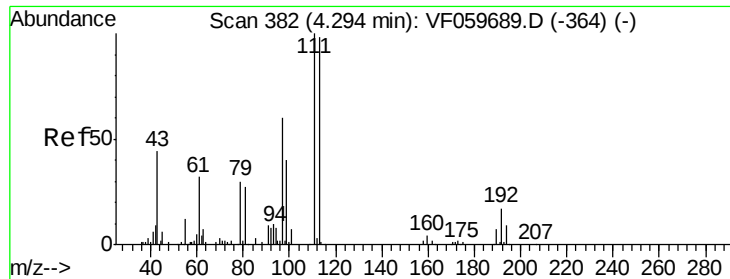
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#36
 1,1-Dichloropropene
 Concen: 21.51 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF059751.D
 Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	30.5	14.0	41.9
77	34.6	24.2	36.2





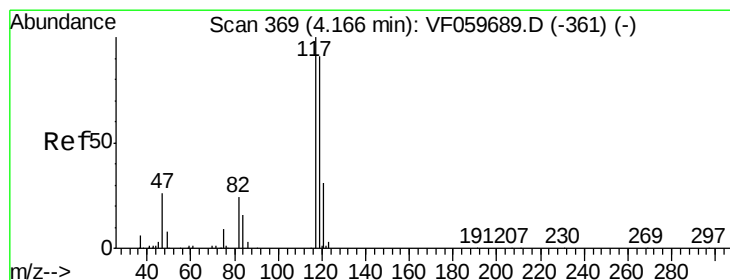
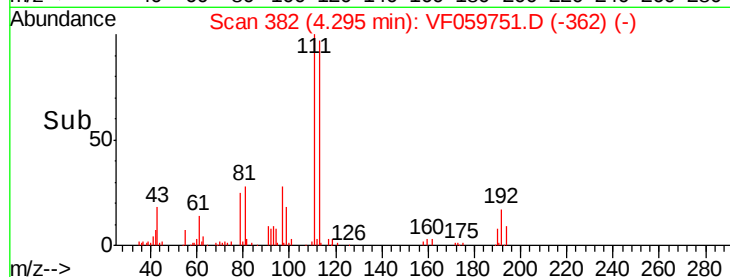
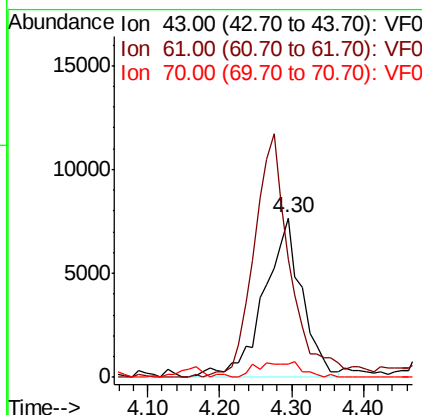
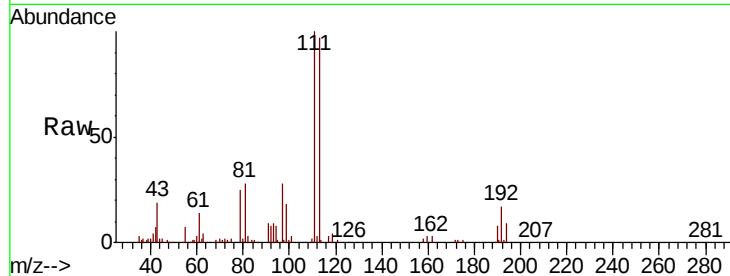
#37
Ethyl Acetate
Concen: 21.00 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper	Resp
43	100						28119
61	74.5	58.2					87.2
70	8.5	6.0					9.0

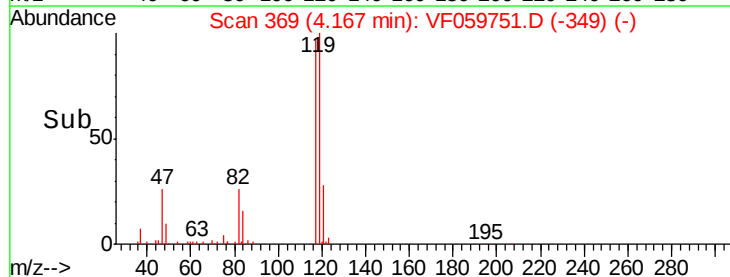
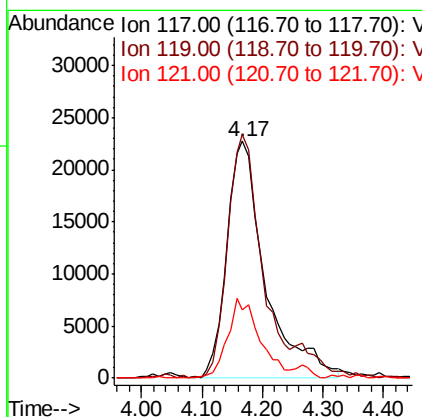
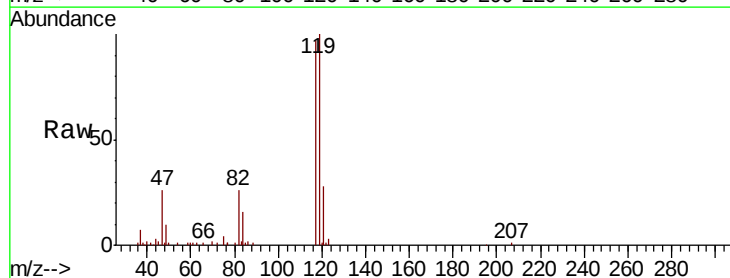
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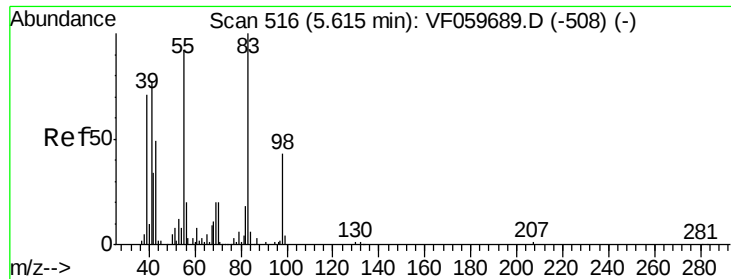
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#38
Carbon Tetrachloride
Concen: 26.73 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Tgt Ion	117	119	121	Ratio	Lower	Upper	Resp
117	100						101067
119	102.7	72.9					109.3
121	28.8	25.0					37.4





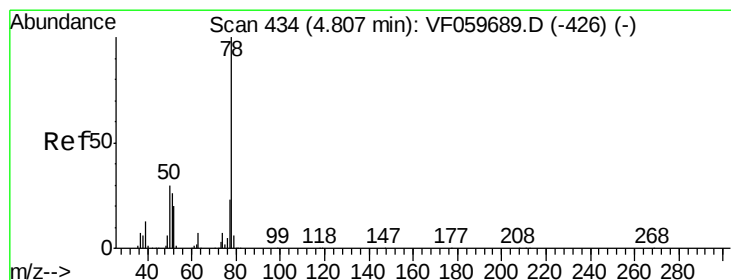
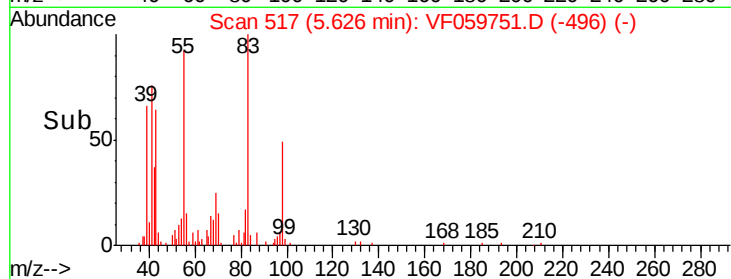
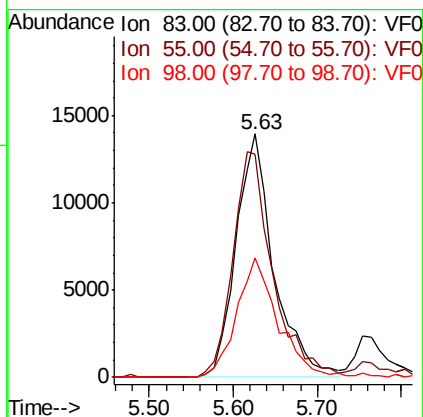
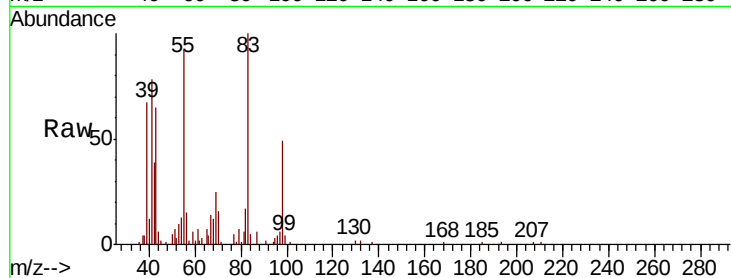
#39
Methylcyclohexane
Concen: 21.33 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.8	73.4	110.2
98	49.0	34.2	51.4

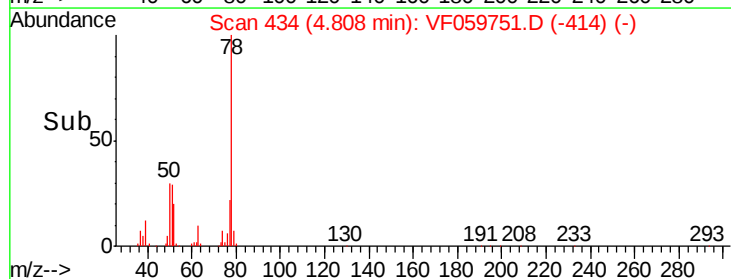
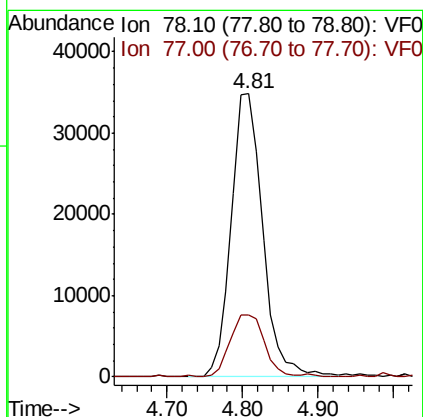
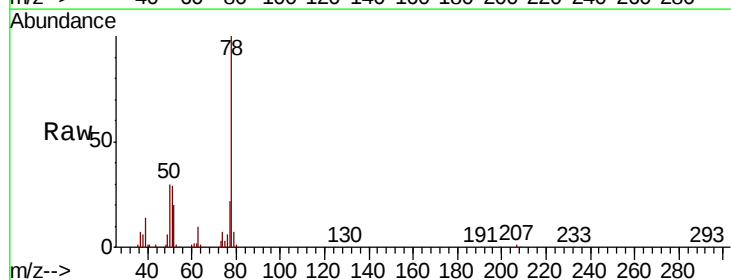
Manual Integrations
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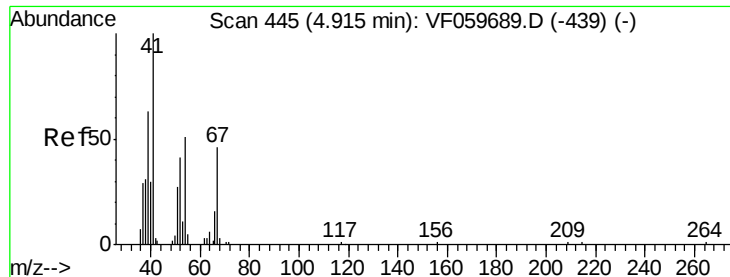
apatel
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#40
Benzene
Concen: 20.94 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.9	28.3





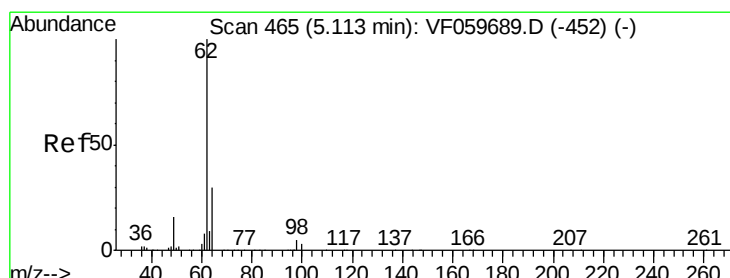
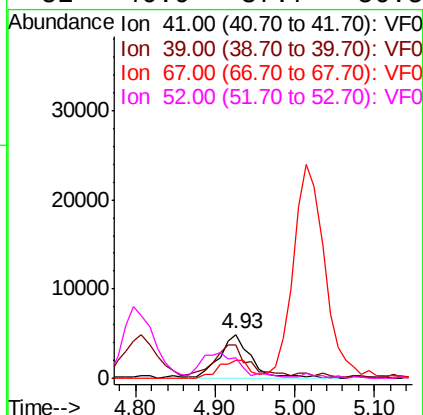
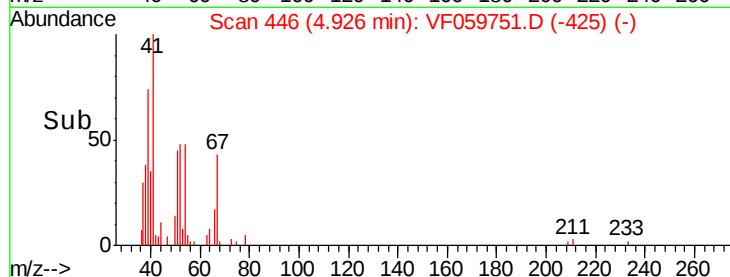
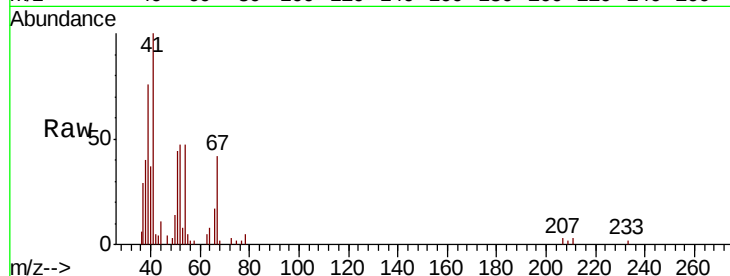
#41
Methacrylonitrile
Concen: 21.45 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.01 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	76.4	55.2	82.8
67	42.0	36.2	54.2
52	46.9	37.7	56.5

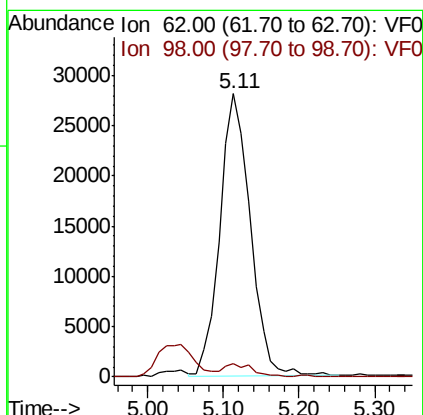
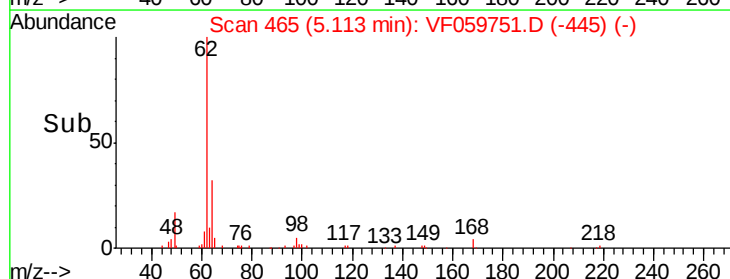
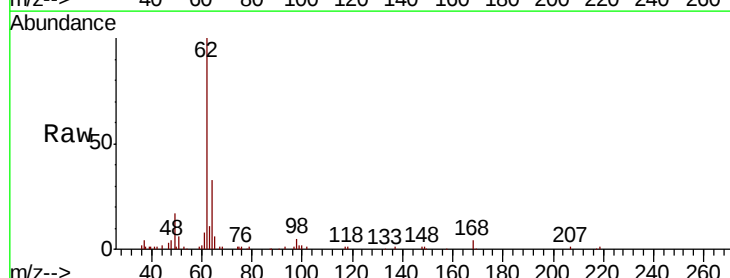
Manual Integrations
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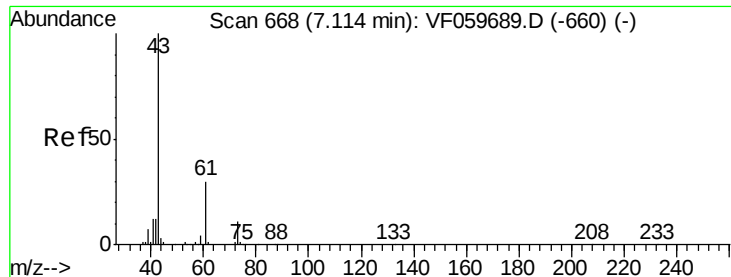
apatel
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#42
1,2-Dichloroethane
Concen: 23.30 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.5	0.0	9.6





#43

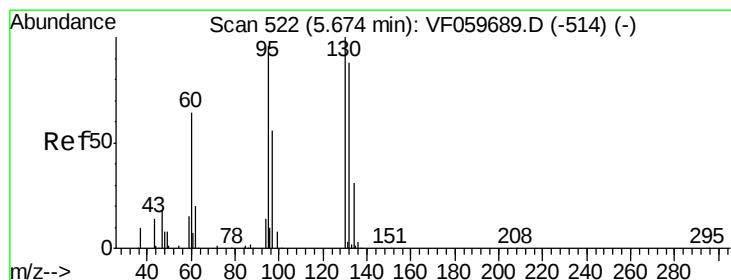
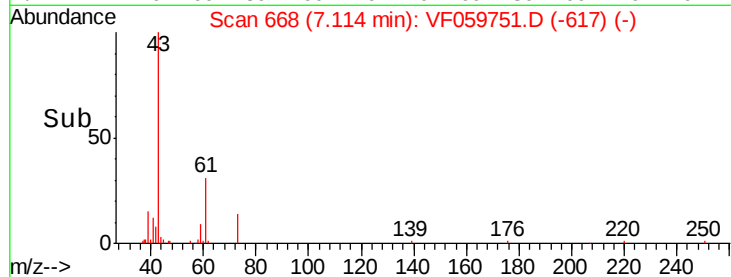
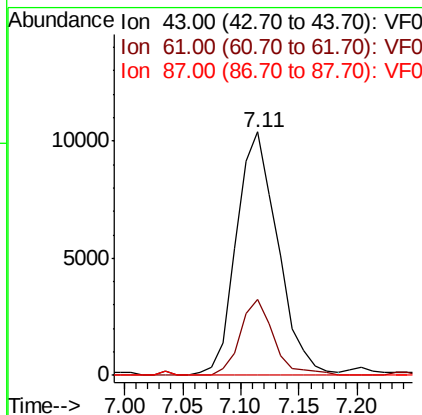
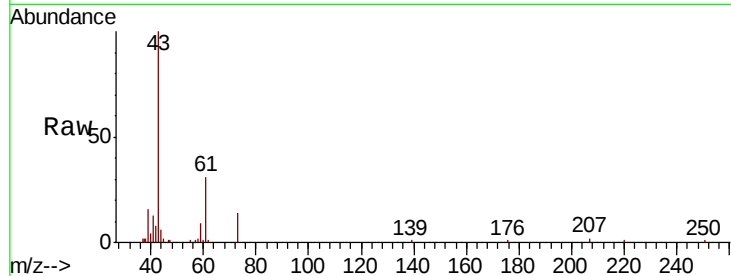
Isopropyl Acetate
 Concen: 18.07 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF059751.D
 Acq: 1 Aug 2018 13:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.2	23.8	35.8
87	0.0	0.6	1.0

Manual Integrations
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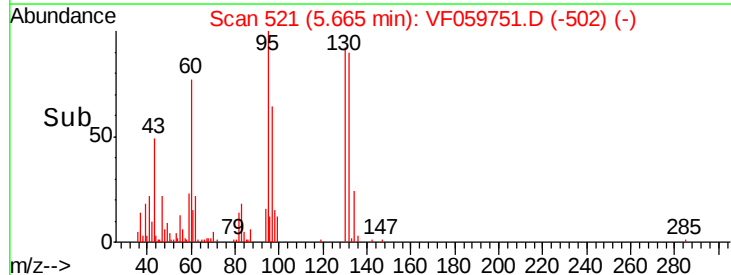
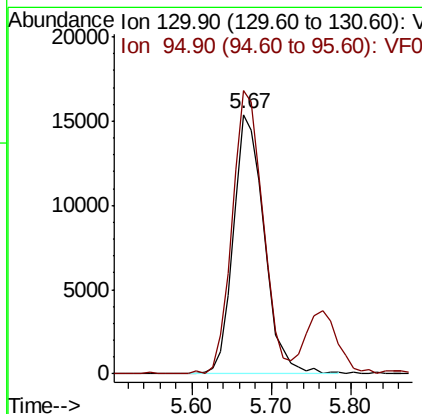
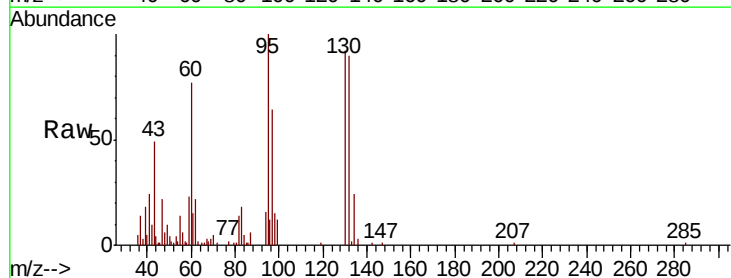
apatel
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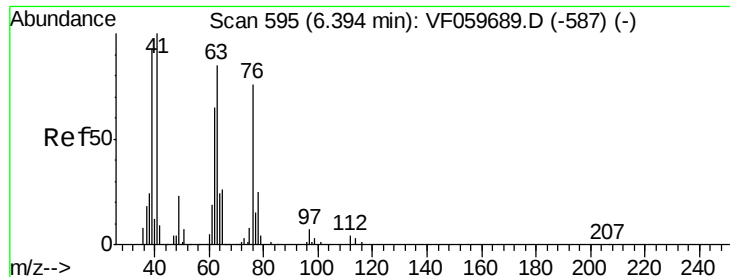


#44

Trichloroethene
 Concen: 22.83 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF059751.D
 Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.1	0.0	191.0





#45

1,2-Dichloropropane

Concen: 21.82 ug/l

RT: 6.39 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS01

Tot Ion: 63 Resp: 27679

Ion Ratio Lower Upper

63 100

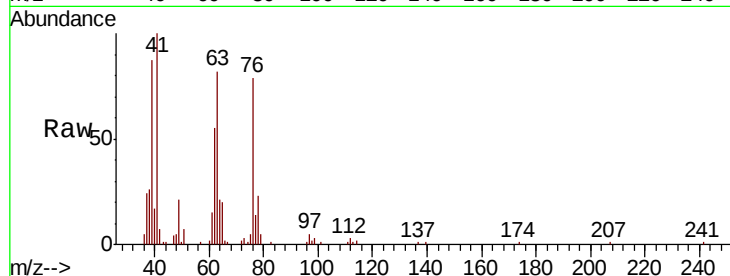
65 24.3 25.2 37.8#

Manual Integrations

APPROVED

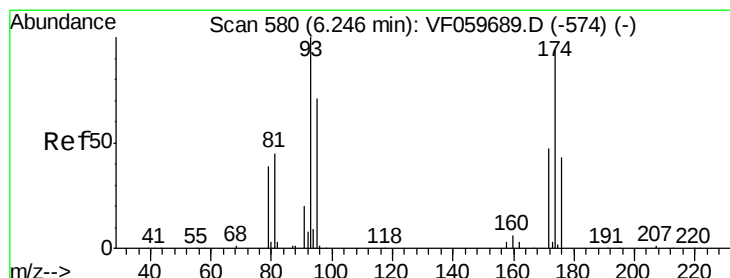
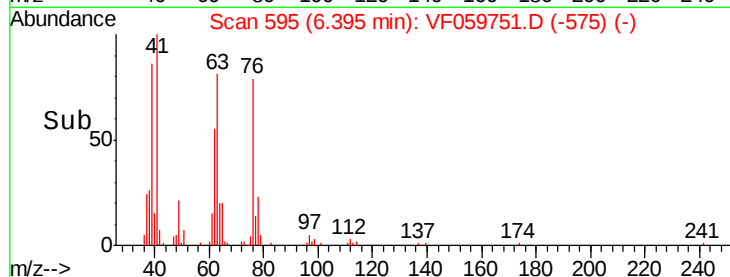
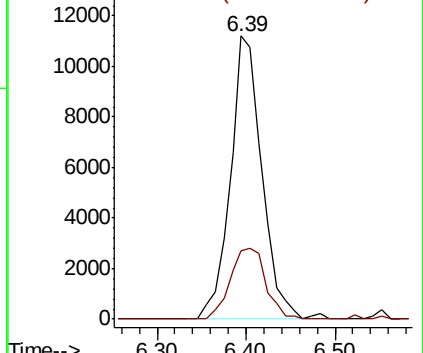
apatel

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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: 22.22 ug/l

RT: 6.26 min Scan# 581

Delta R.T. 0.01 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

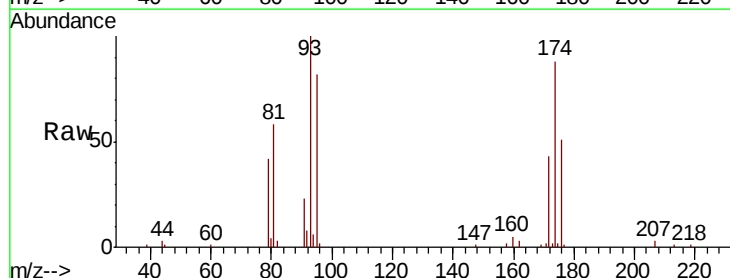
Tgt Ion: 93 Resp: 26760

Ion Ratio Lower Upper

93 100

95 81.7 57.1 85.7

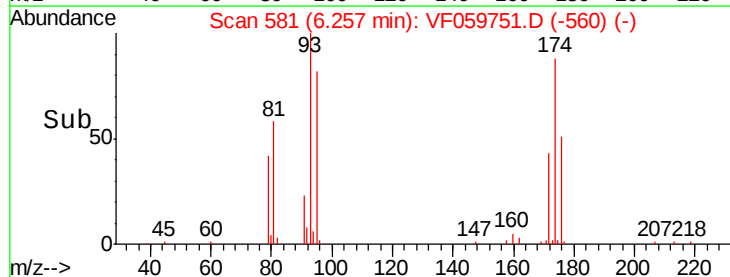
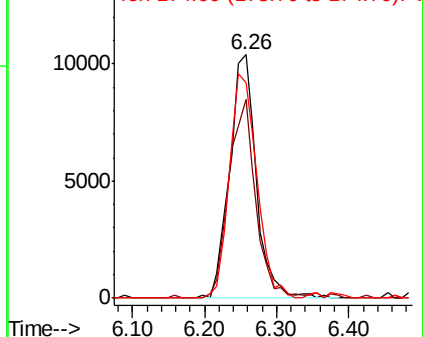
174 88.4 74.8 112.2

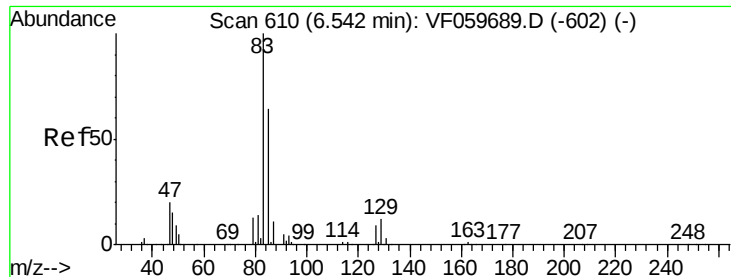


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 23.56 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

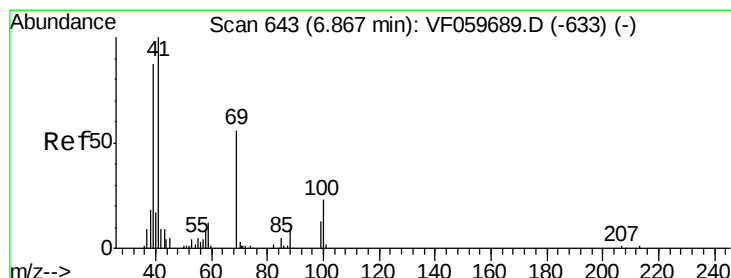
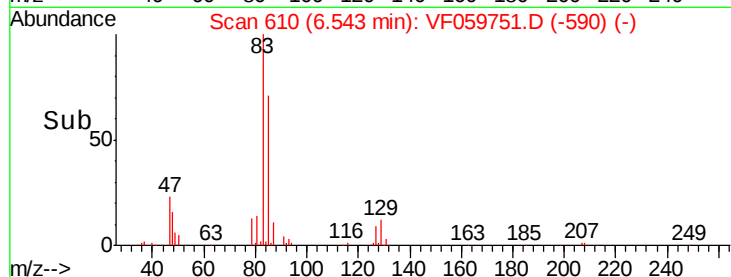
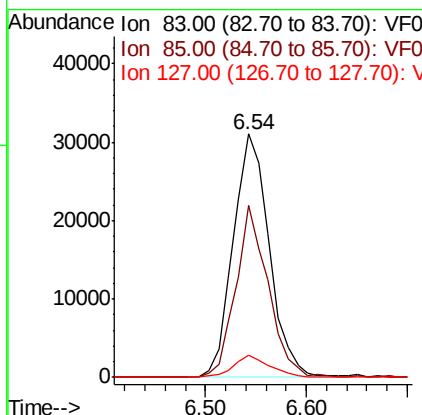
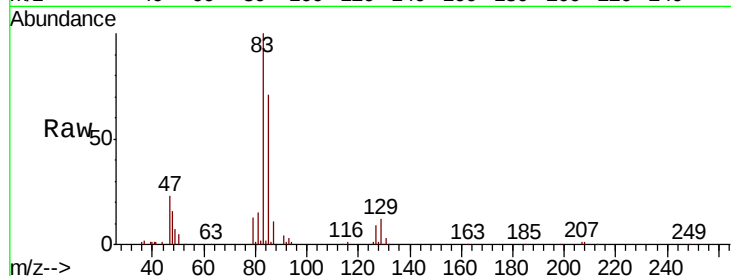
ClientSampleId :

VF0801SBS01

Tot Ion:	83	Resp:	77274
Ion	Ratio	Lower	Upper
83	100		
85	70.8	51.0	76.6
127	9.3	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.41 ug/l

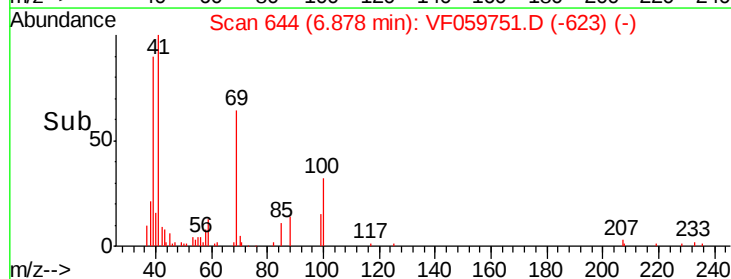
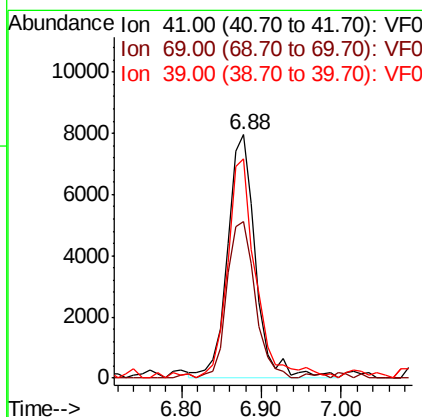
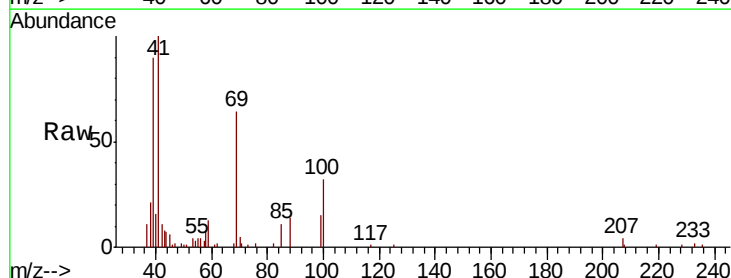
RT: 6.88 min Scan# 644

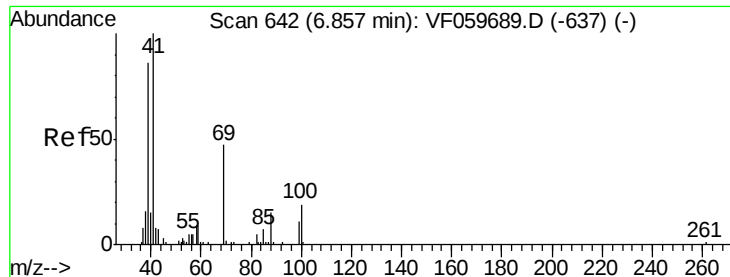
Delta R.T. 0.01 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Tgt Ion:	41	Resp:	19693
Ion	Ratio	Lower	Upper
41	100		
69	64.4	44.4	66.6
39	90.1	69.4	104.2





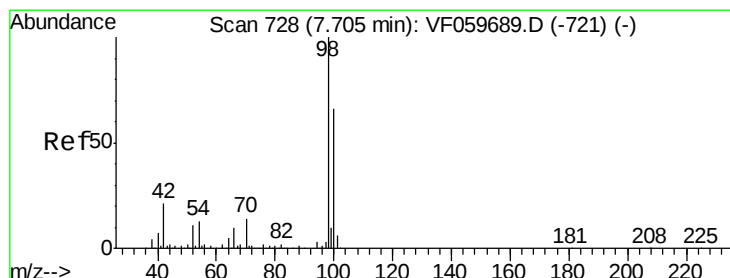
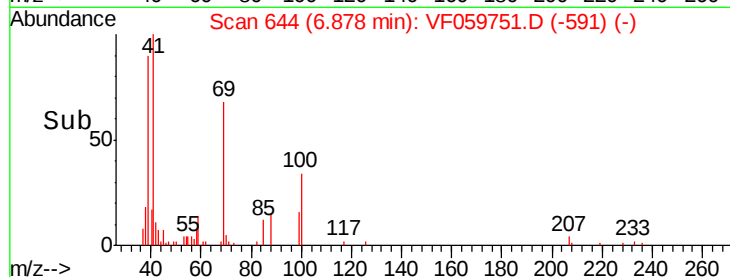
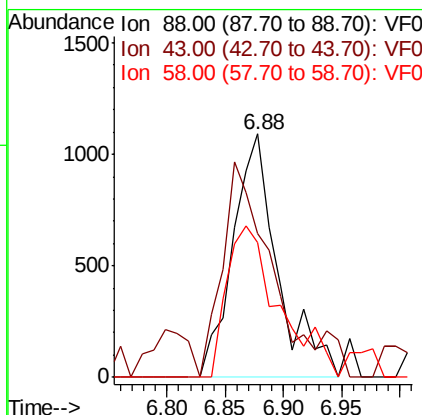
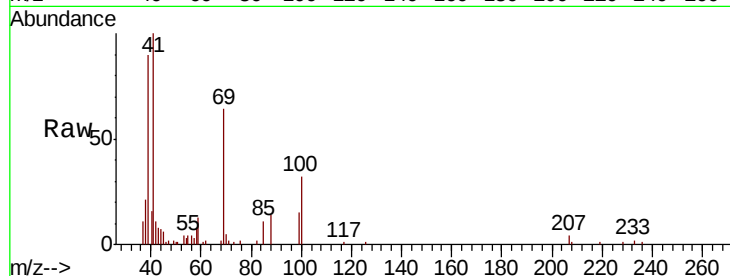
#49
1,4-Dioxane
Concen: 398.47 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.02 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	59.2	45.2	67.8
58	55.1	49.0	73.6

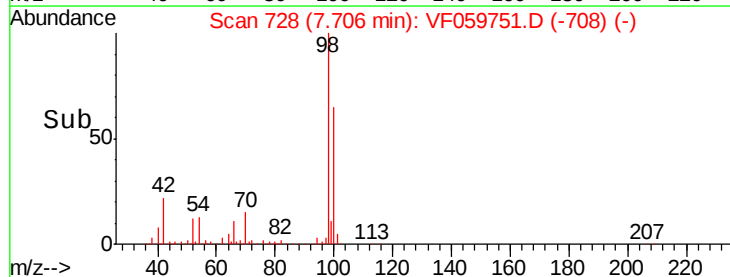
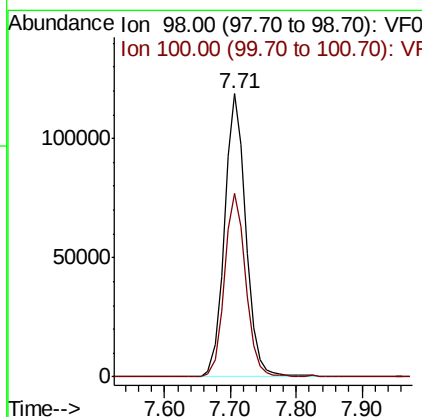
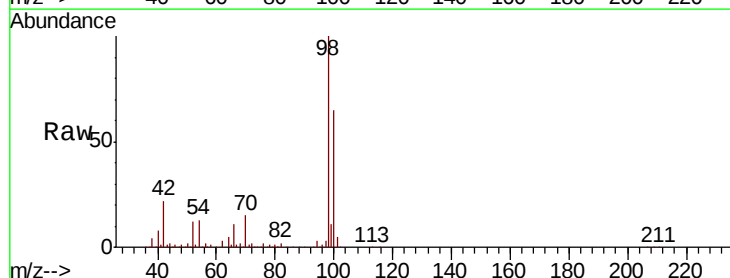
Manual Integrations
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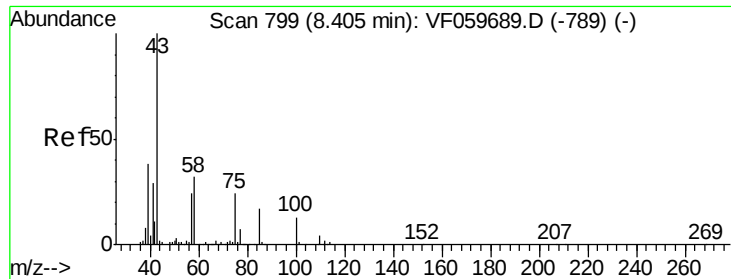
apatel
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#50
Toluene-d8
Concen: 47.05 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 103.56 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS01

Tot Ion: 43 Resp: 112034

Ion Ratio Lower Upper

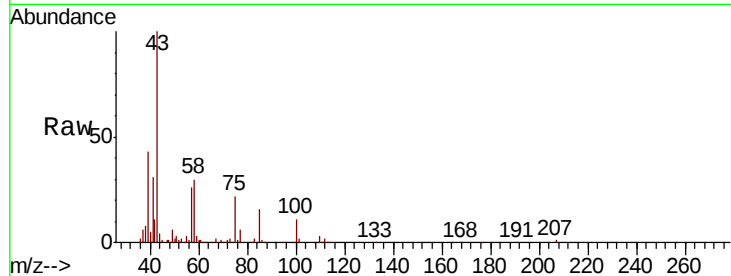
43 100

58 29.9 25.9 38.9

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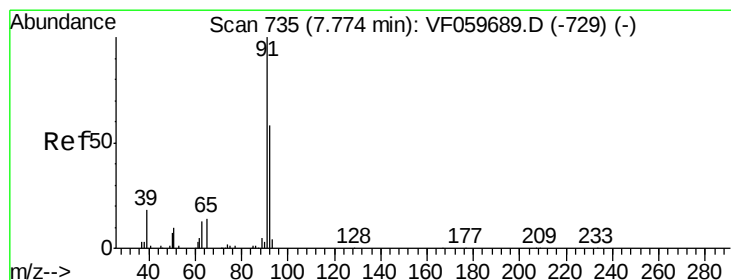
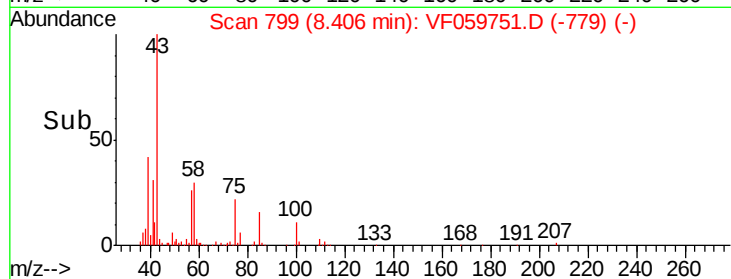
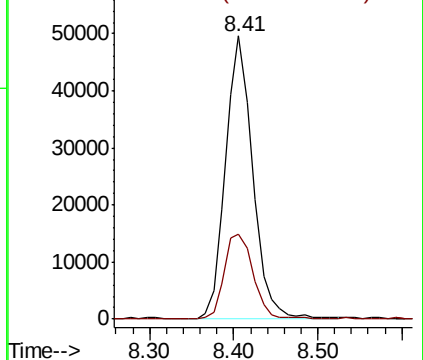
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.05 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059751.D

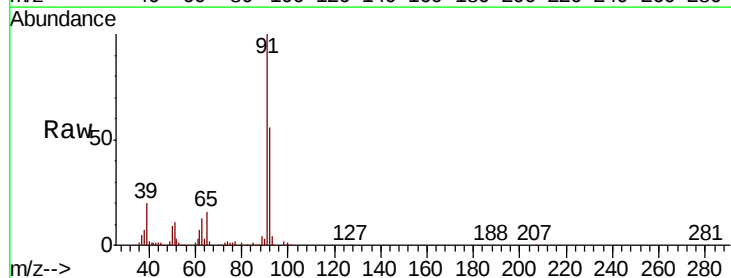
Acq: 1 Aug 2018 13:20

Tgt Ion: 92 Resp: 75237

Ion Ratio Lower Upper

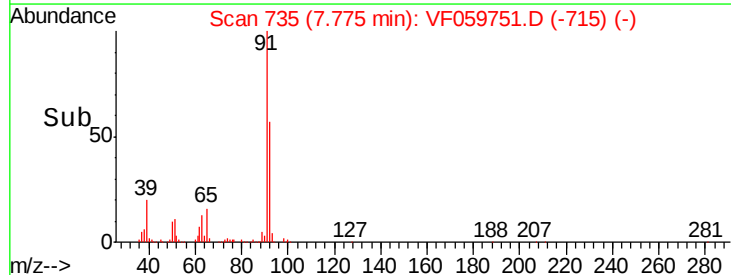
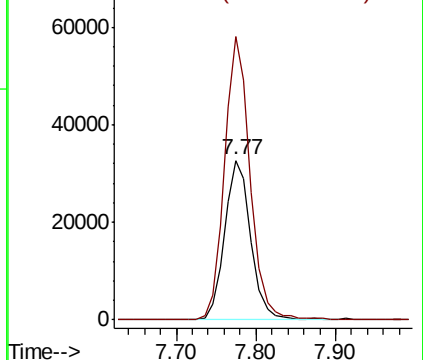
92 100

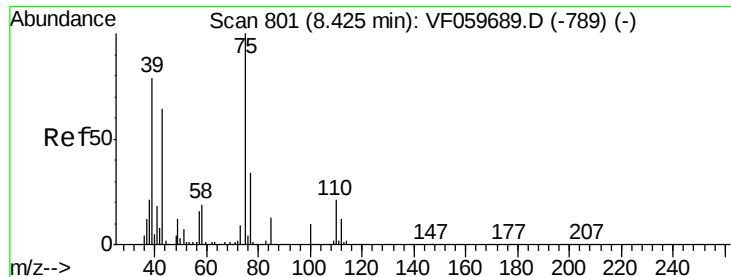
91 177.6 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 22.01 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	27.0	40.4

Instrument :

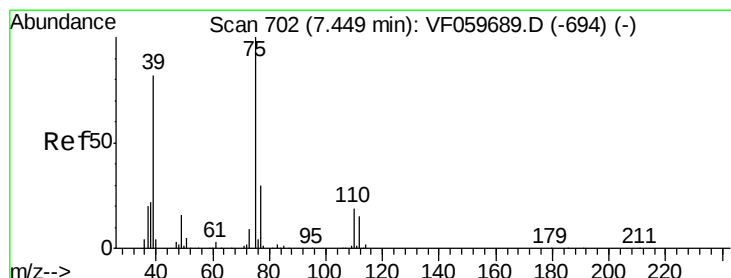
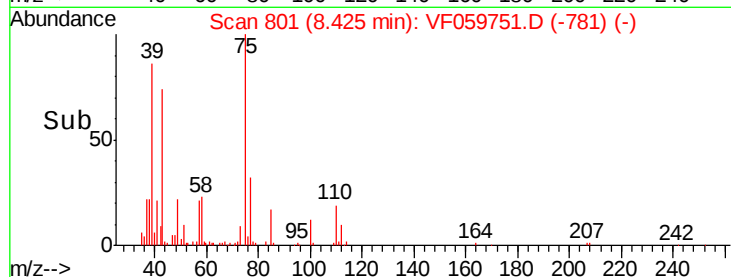
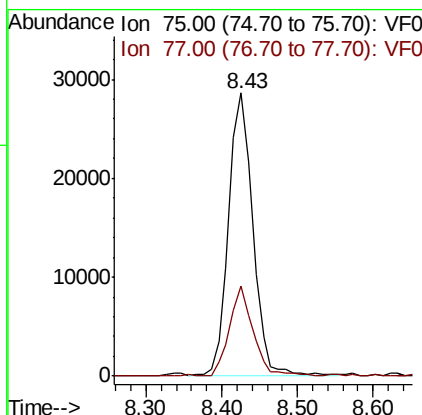
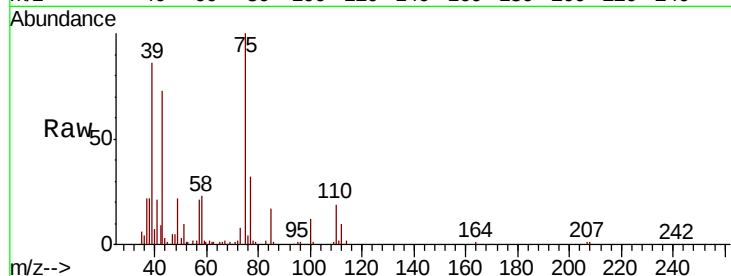
MSVOA_F

ClientSampleId :

VF0801SBS01

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#54

cis-1,3-Dichloropropene

Concen: 22.45 ug/l

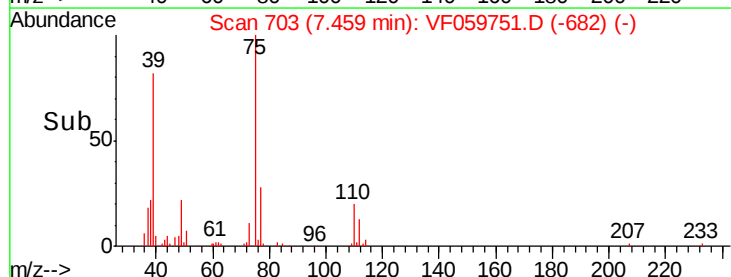
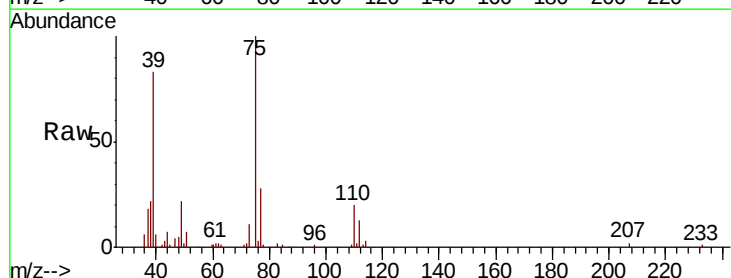
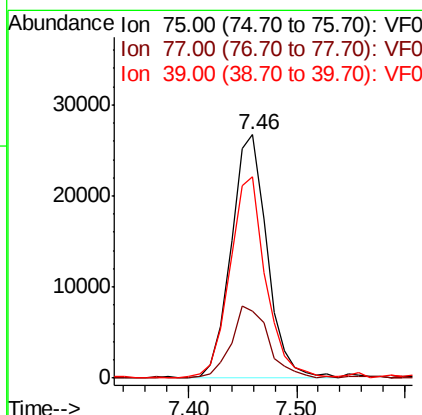
RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	27.5	24.0	36.0
39	82.9	65.4	98.2





#55

1,1,2-Trichloroethane

Concen: 20.35 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

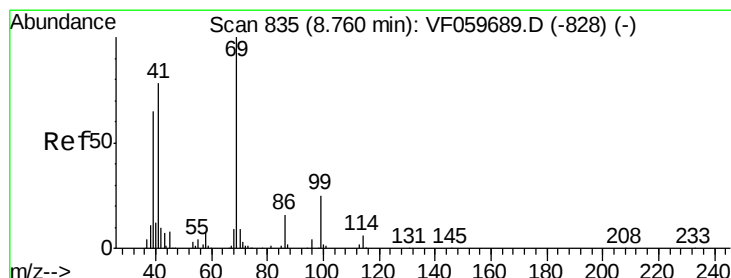
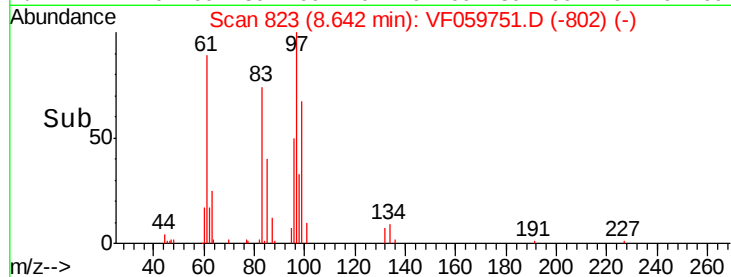
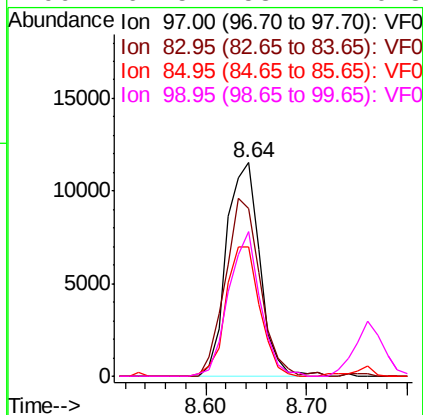
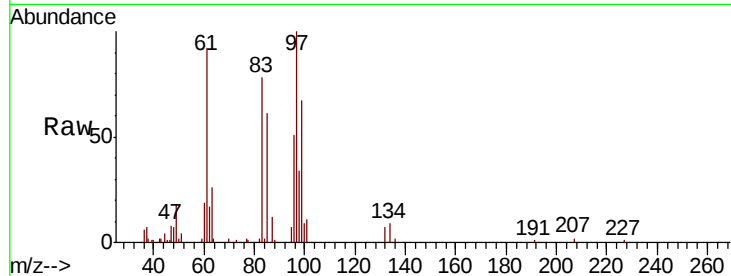
ClientSampleId :

VF0801SBS01

Tot Ion:	97	Resp:	26476
Ion	Ratio	Lower	Upper
97	100		
83	78.2	66.6	100.0
85	60.6	47.4	71.0
99	67.5	53.2	79.8

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#56

Ethyl methacrylate

Concen: 20.41 ug/l

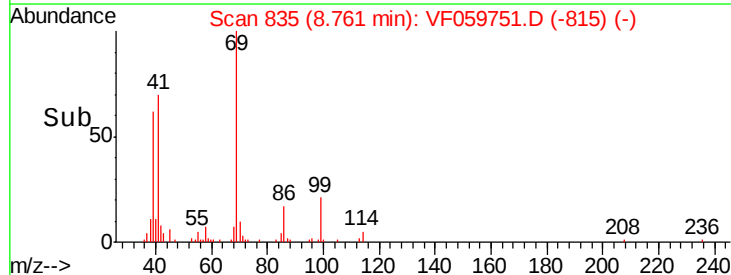
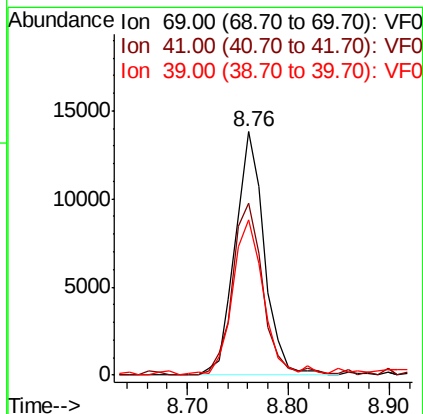
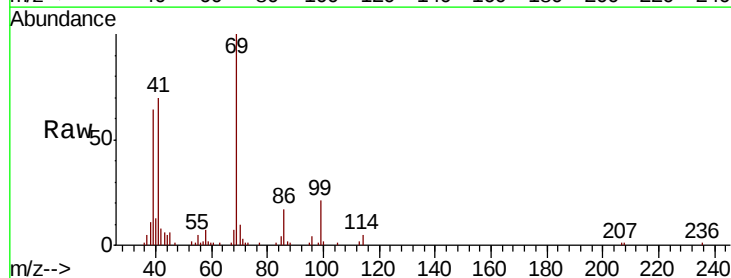
RT: 8.76 min Scan# 835

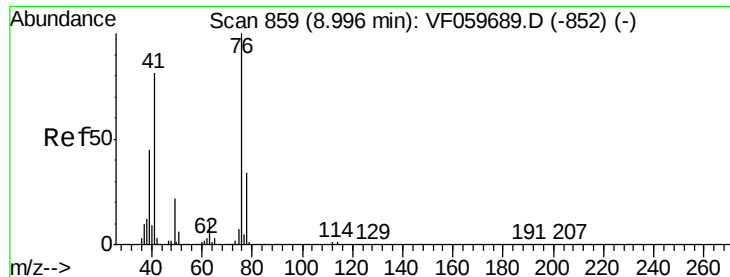
Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Tgt Ion:	69	Resp:	27683
Ion	Ratio	Lower	Upper
69	100		
41	70.5	62.3	93.5
39	63.8	52.4	78.6





#57

1,3-Dichloropropane

Concen: 21.59 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS01

Tot Ion: 76 Resp: 48181

Ion Ratio Lower Upper

76 100

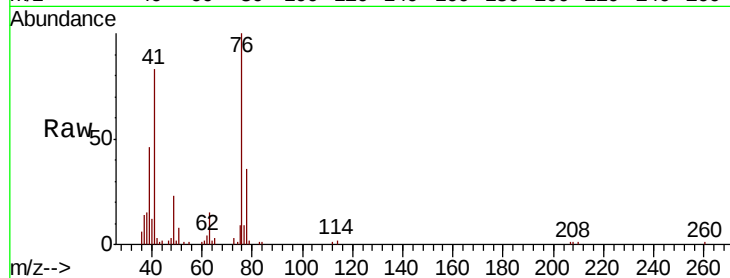
78 36.4 27.2 40.8

Manual Integrations

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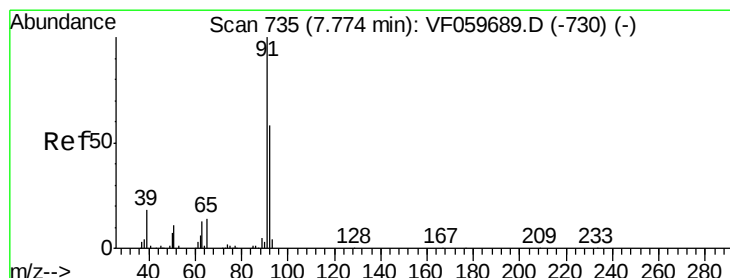
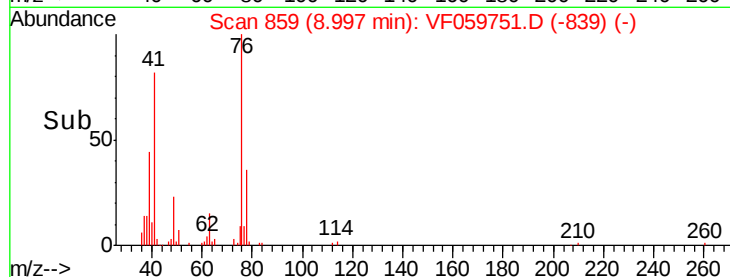
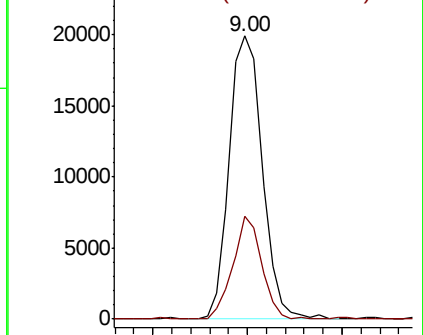
apatel

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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: 114.46 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059751.D

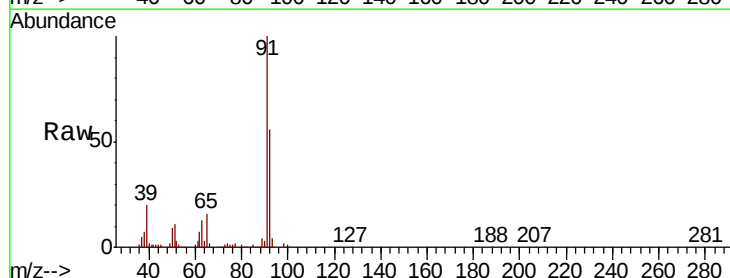
Acq: 1 Aug 2018 13:20

Tgt Ion: 63 Resp: 17928

Ion Ratio Lower Upper

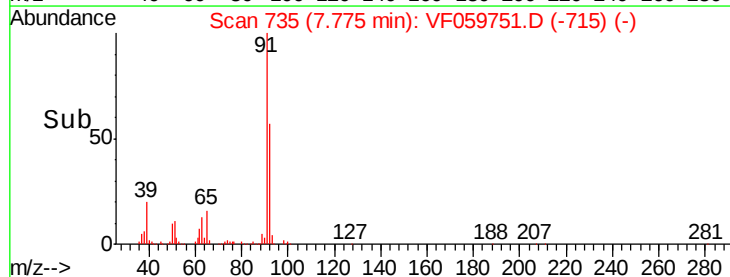
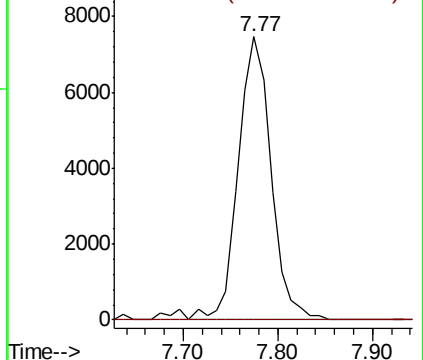
63 100

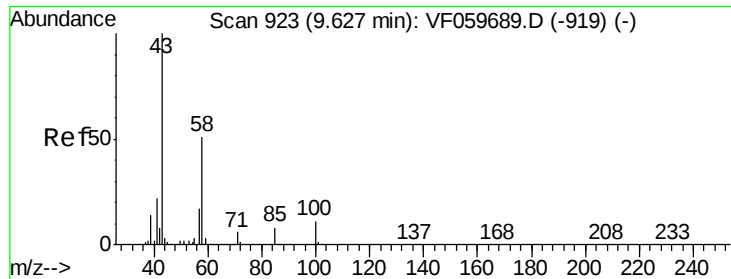
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





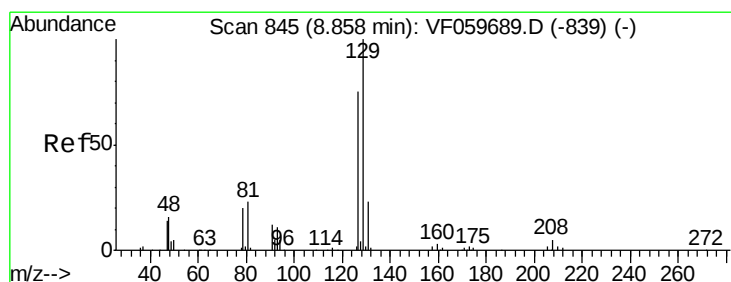
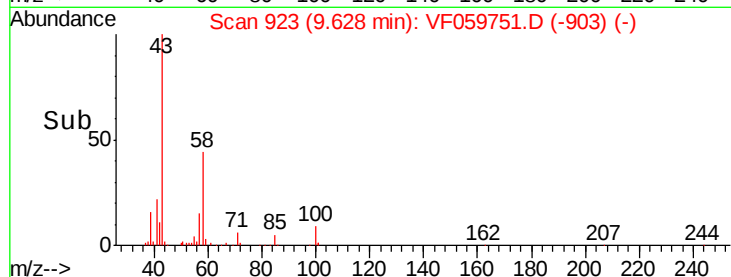
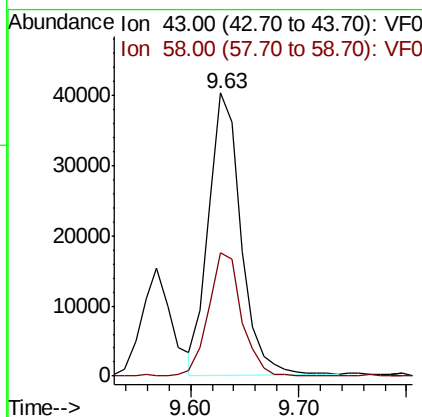
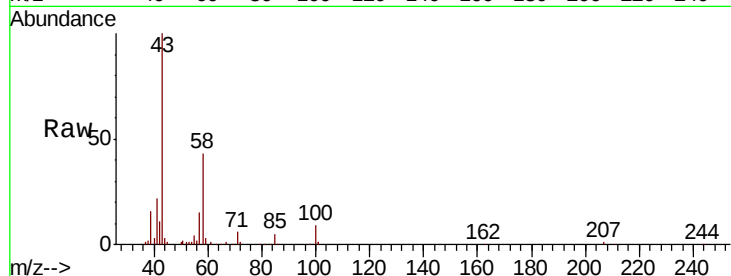
#59
2-Hexanone
Concen: 96.70 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.5	23.3	69.8

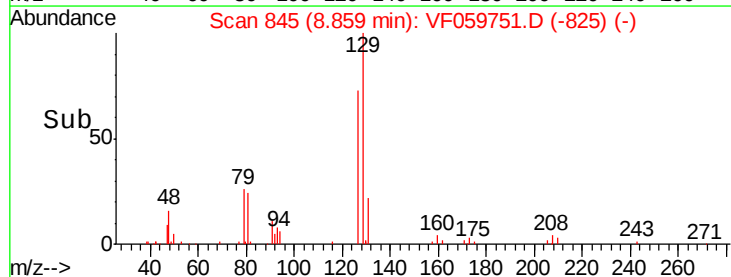
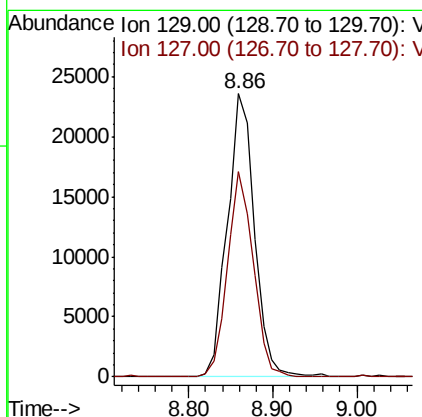
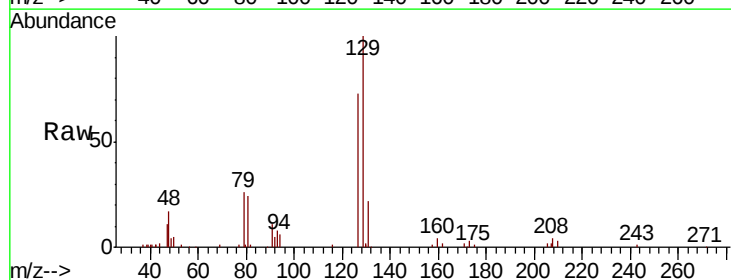
Manual Integrations
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#60
Dibromochloromethane
Concen: 23.07 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Lower	Upper
129	100		
127	71.3	37.7	113.1





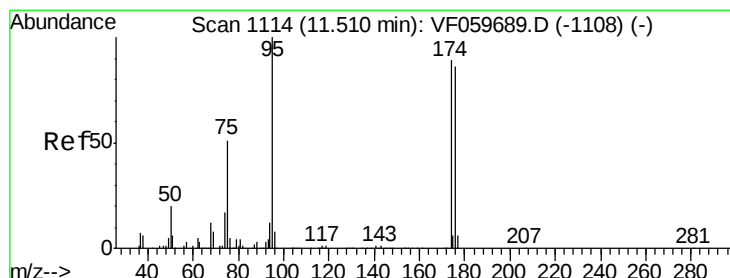
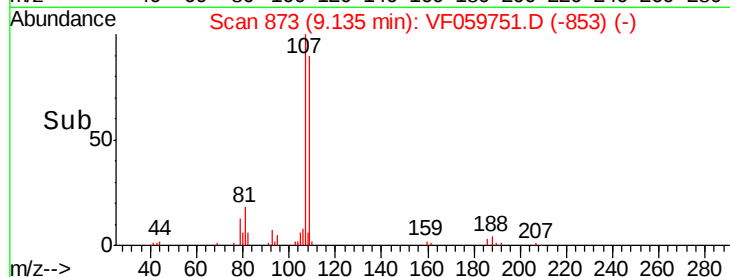
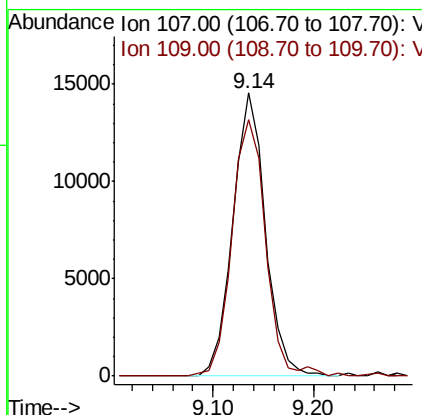
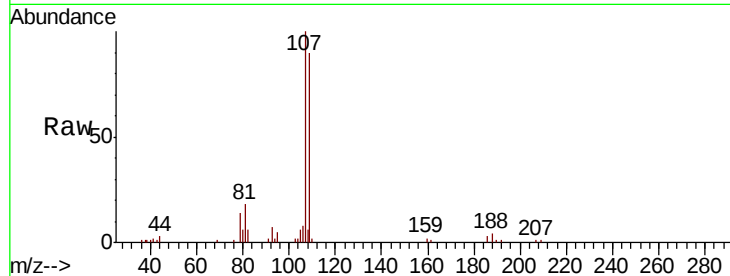
#61
 1,2-Dibromoethane
 Concen: 21.46 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VF059751.D
 Acq: 1 Aug 2018 13:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.4	73.6	110.4

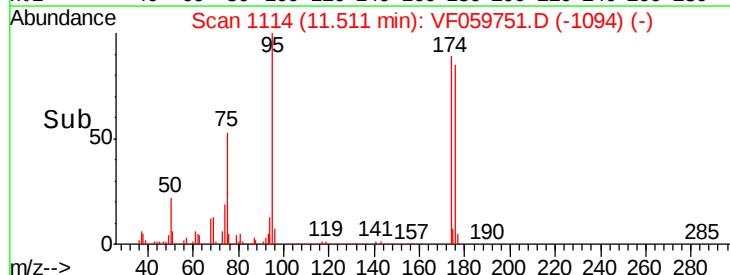
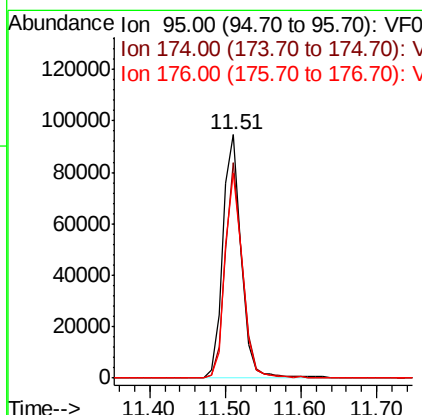
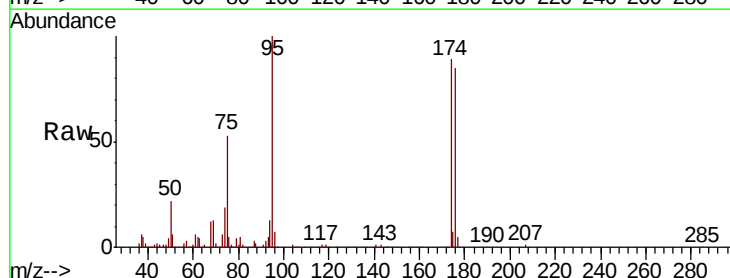
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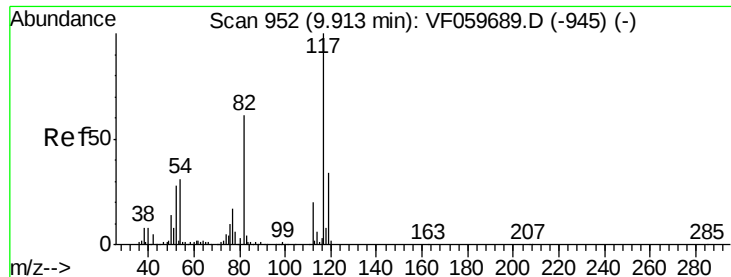
apatel
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#62
 4-Bromofluorobenzene
 Concen: 50.12 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059751.D
 Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.5	0.0	178.4
176	84.5	0.0	173.0





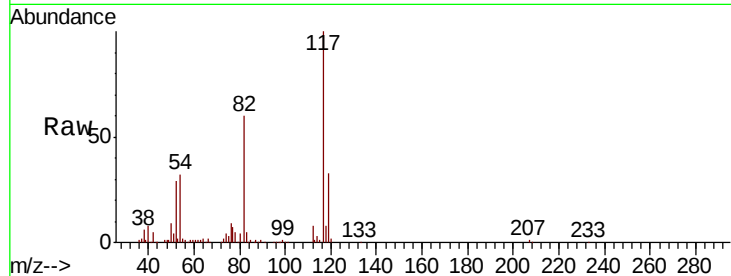
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	230177		
82	60.4	49.0	73.4	
119	33.4	27.3	40.9	

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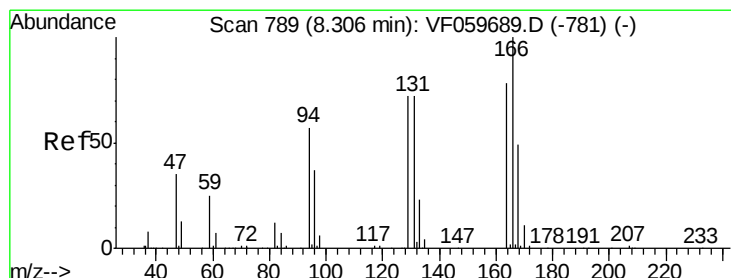
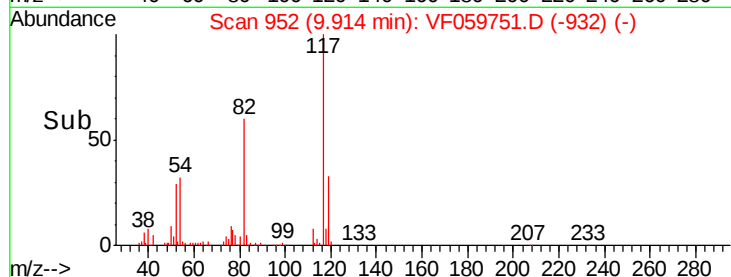
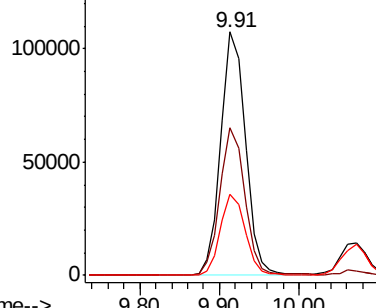


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 25.44 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42909		
166	141.4	102.1	153.1	
129	100.9	73.8	110.6	
131	97.6	73.1	109.7	

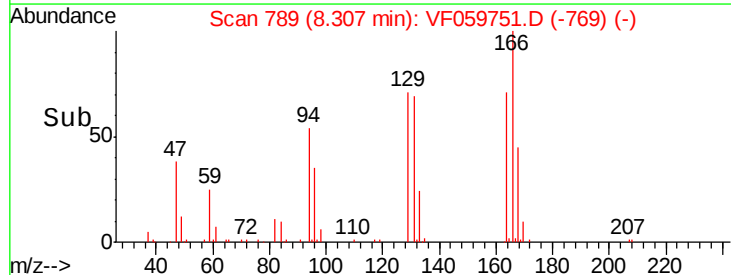
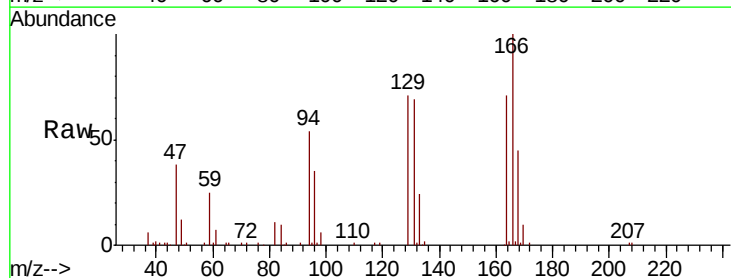
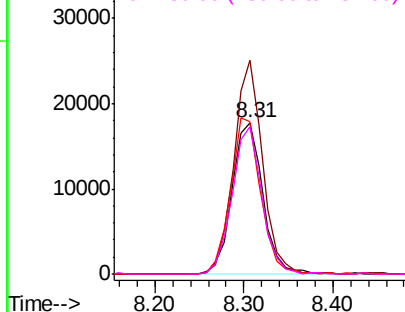
Abundance

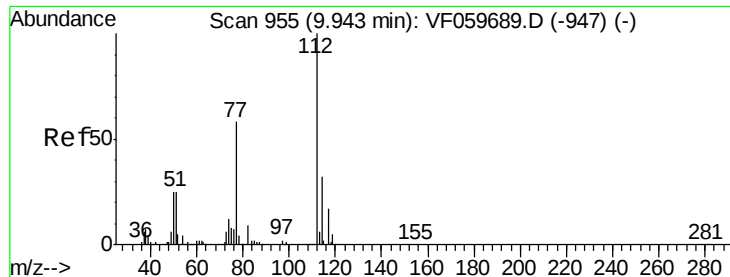
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





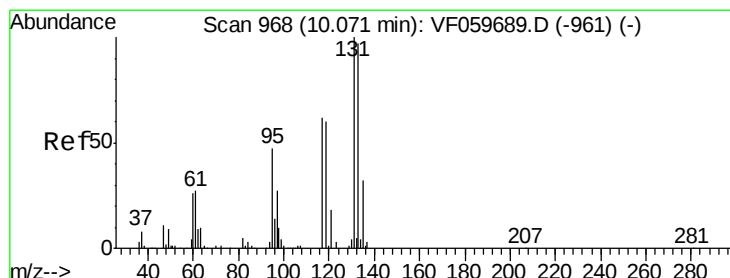
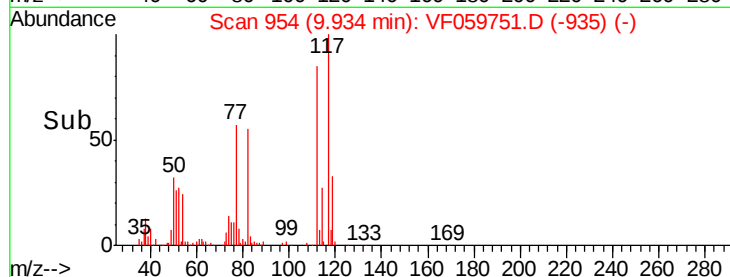
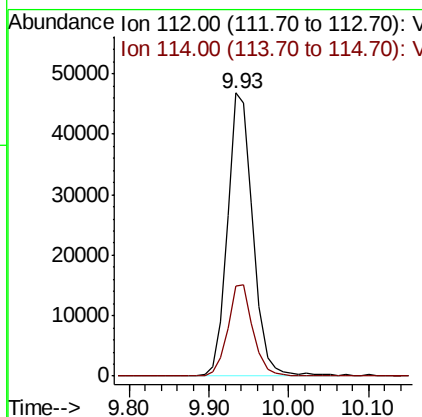
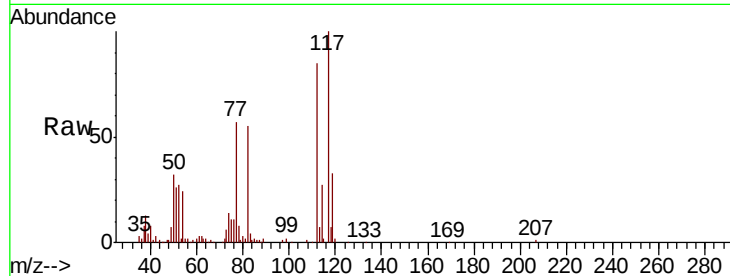
#65
Chlorobenzene
Concen: 22.70 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.6	38.4

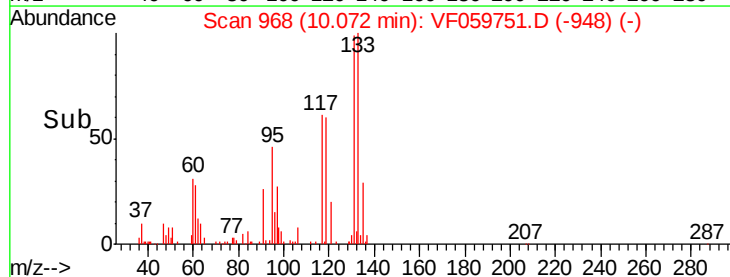
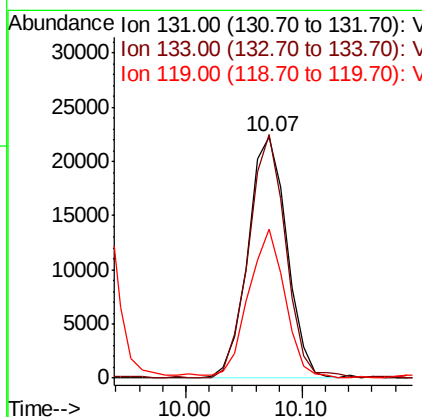
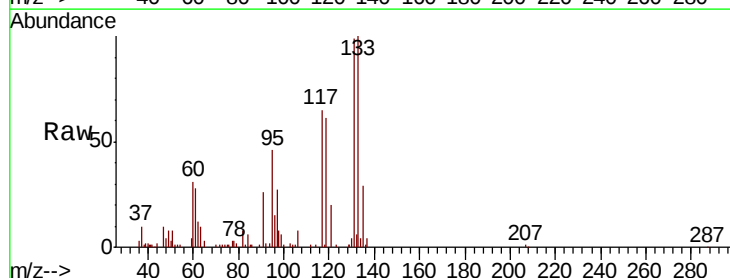
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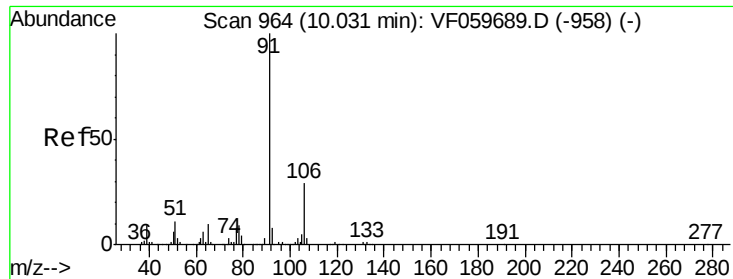
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.89 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	101.0	48.5	145.5
119	62.0	30.3	90.8





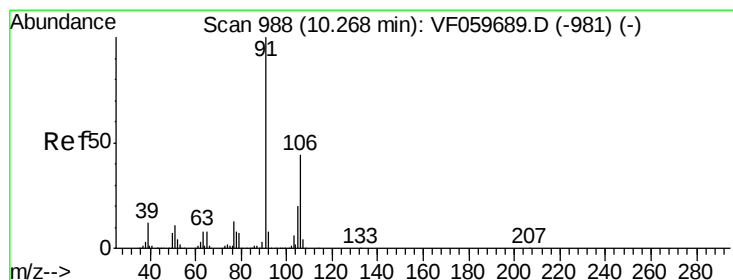
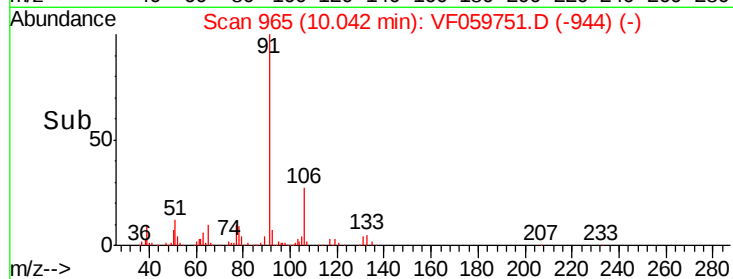
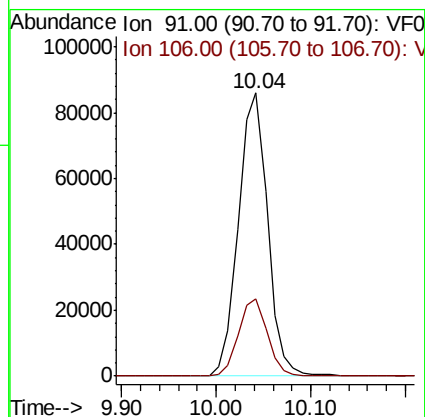
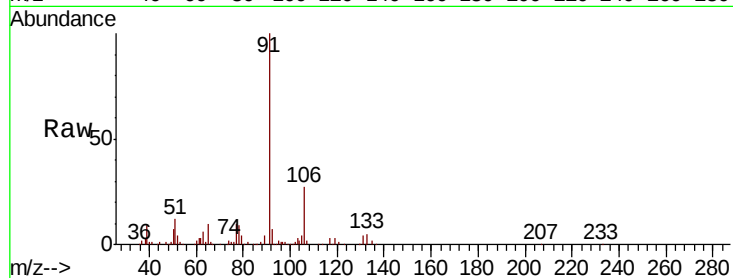
#67
Ethyl Benzene
Concen: 23.06 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS01

Tot Ion: 91 Resp: 183672
Ion Ratio Lower Upper
91 100
106 27.4 22.9 34.3

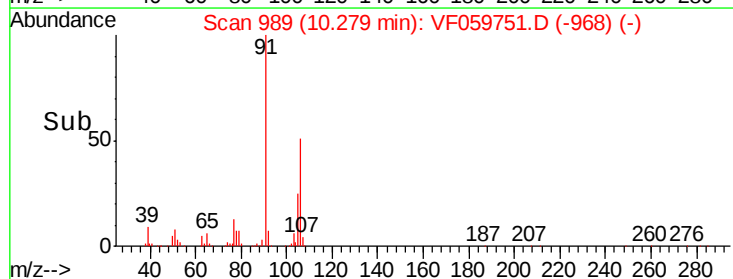
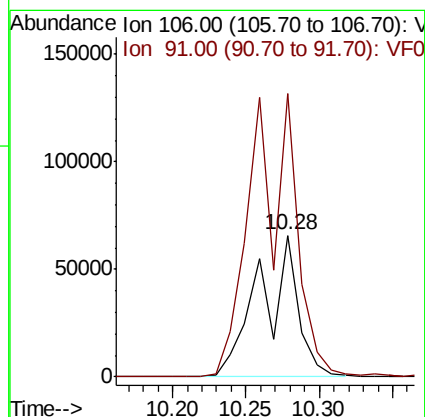
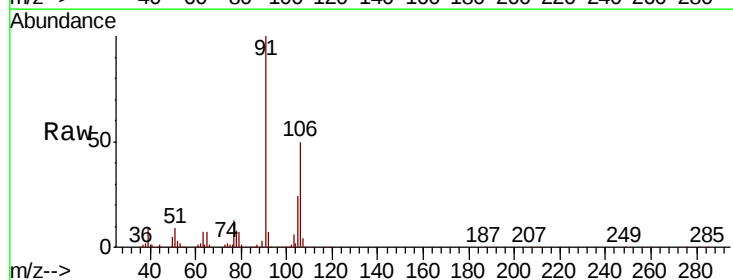
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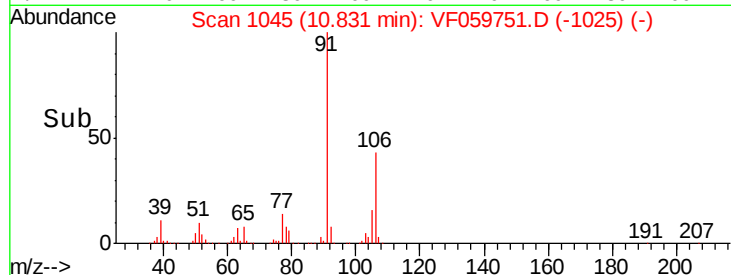
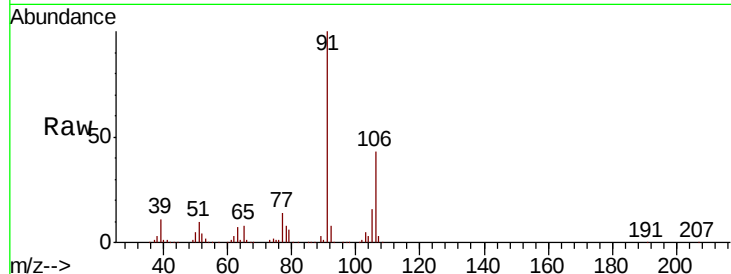
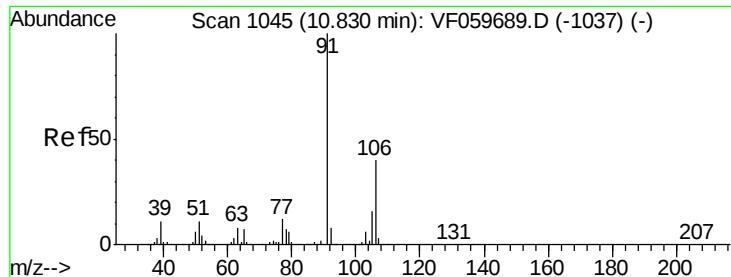
apatel
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#68
m/p-Xylenes
Concen: 43.44 ug/l m
RT: 10.28 min Scan# 989
Delta R.T. 0.01 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Tgt Ion: 106 Resp: 119239
Ion Ratio Lower Upper
106 100
91 200.0 181.7 272.5





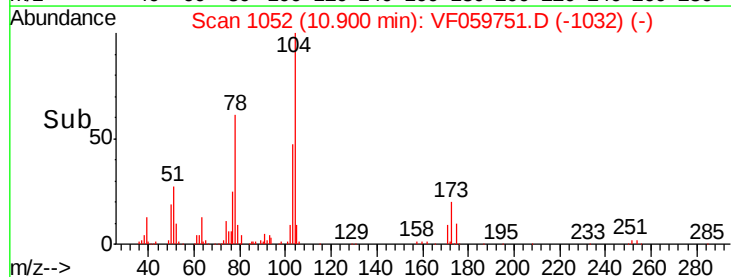
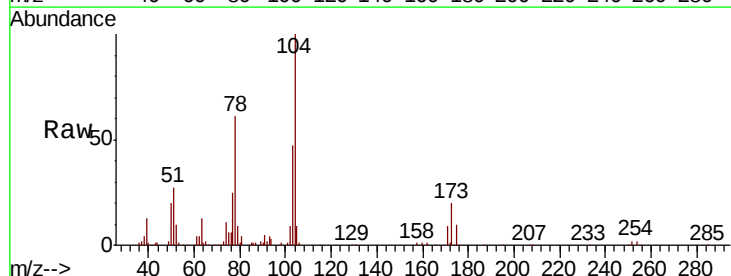
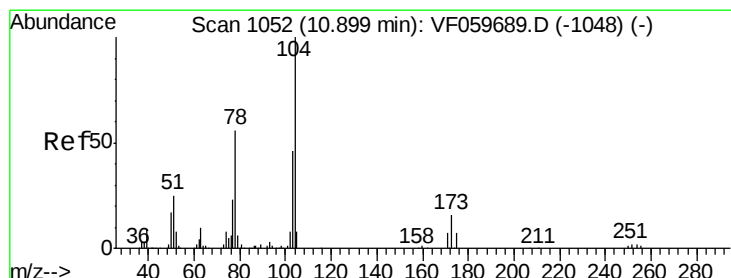
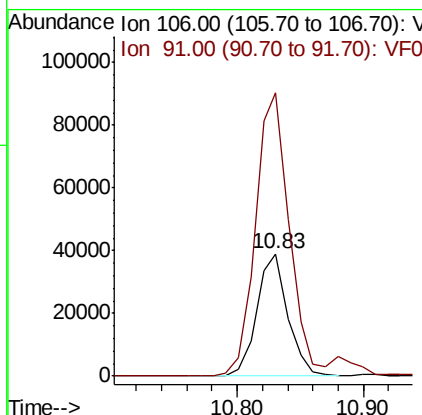
#69
o-Xylene
Concen: 22.78 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Tot Ion:106 Resp: 66880
Ion Ratio Lower Upper
106 100
91 231.3 124.6 373.7

Instrument :
MSVOA_F
ClientSampled :
VF0801SBS01

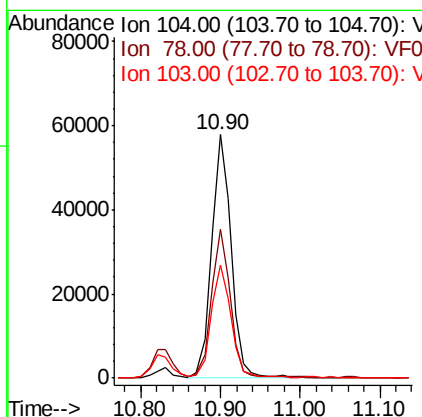
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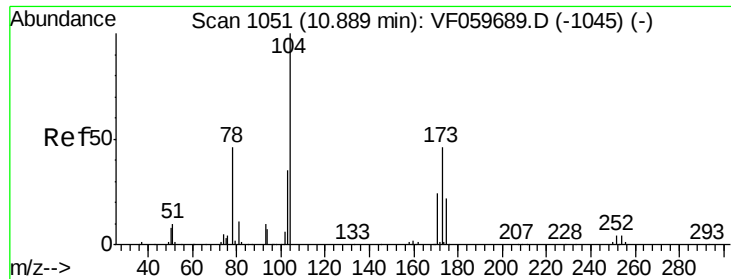
apatel
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#70
Styrene
Concen: 22.66 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Tgt Ion:104 Resp: 100767
Ion Ratio Lower Upper
104 100
78 60.9 45.3 67.9
103 46.6 36.6 54.8





#71

Bromoform

Concen: 23.67 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

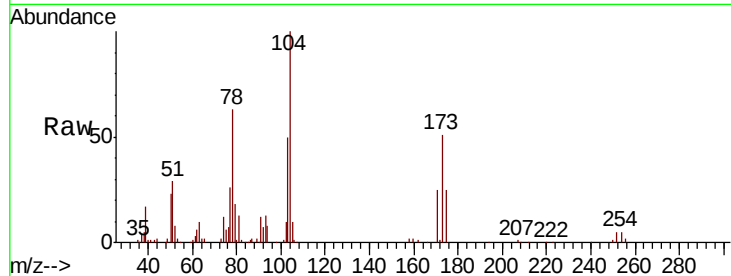
ClientSampleId :

VF0801SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	49.1	23.4	70.0		
254	0.0	0.0	0.0		

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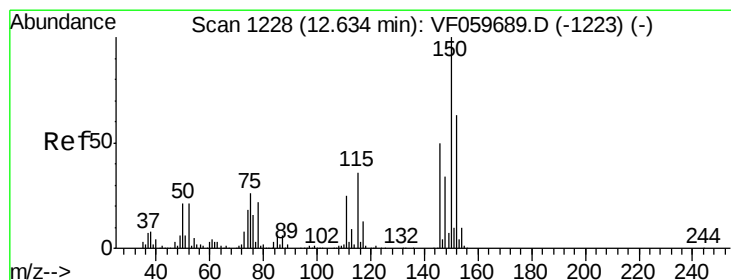
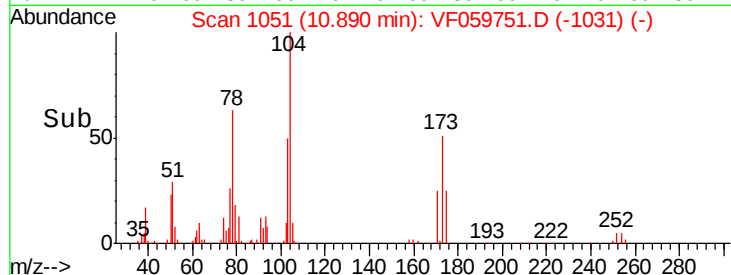
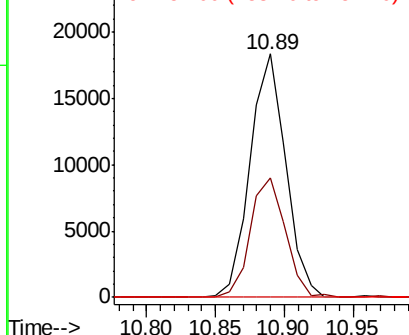


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

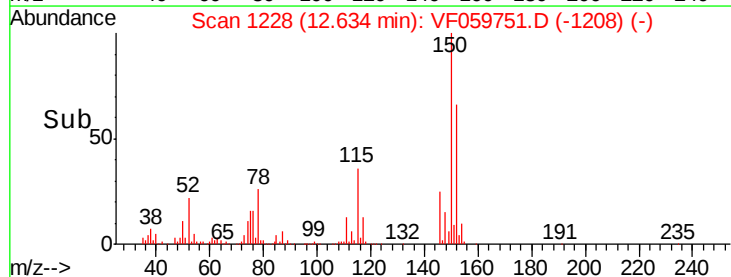
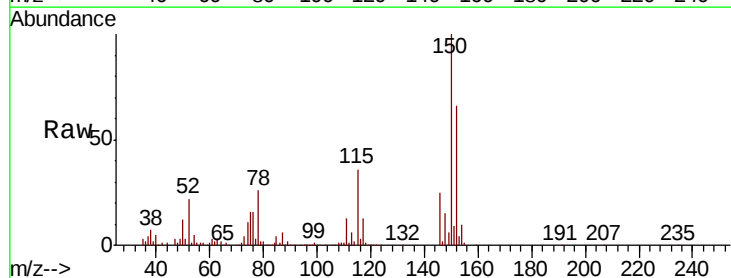
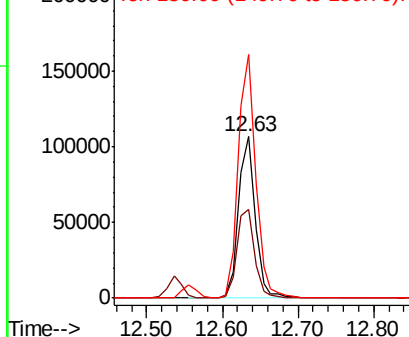
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	54.8	28.2	84.6		
150	150.9	0.0	316.2		

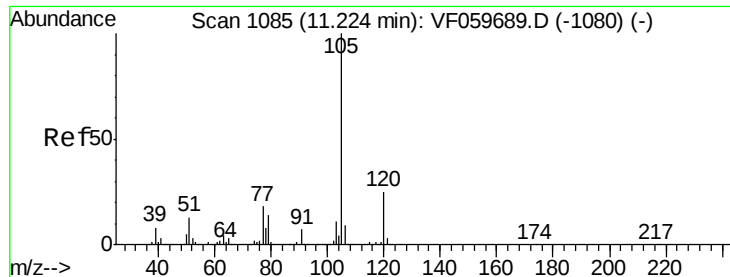
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.10 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS01

Tot Ion:105 Resp: 233948

Ion Ratio Lower Upper

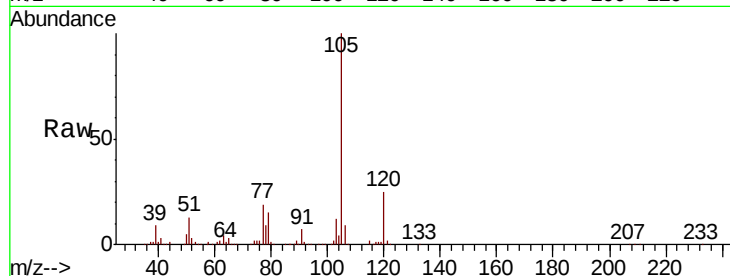
105 100

120 24.6 12.4 37.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

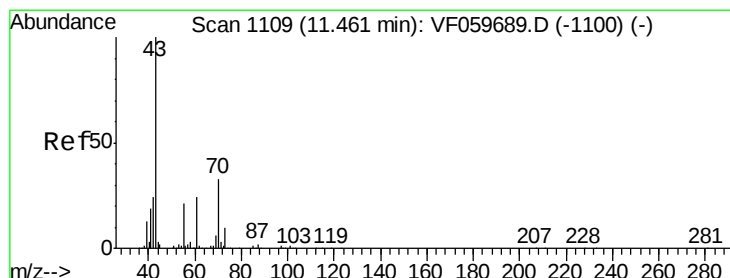
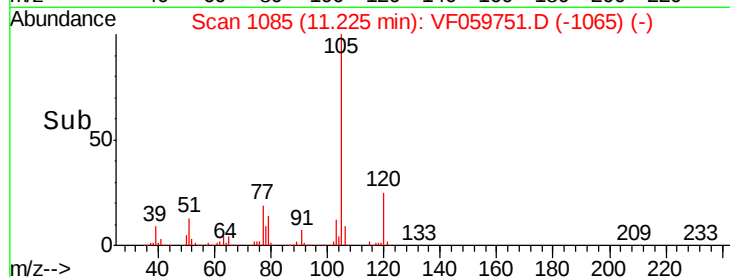
150000

100000

50000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 17.99 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Tgt Ion: 43 Resp: 48049

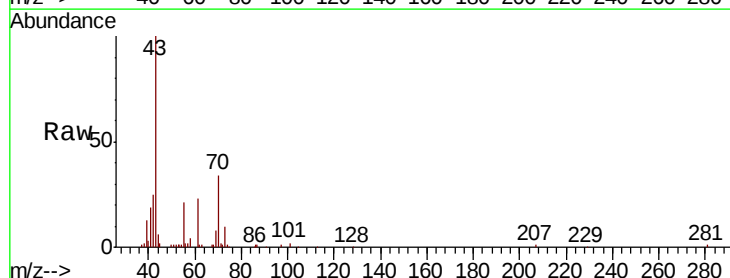
Ion Ratio Lower Upper

43 100

70 34.3 26.3 39.5

55 21.2 16.6 25.0

61 22.9 19.1 28.7



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

50000

40000

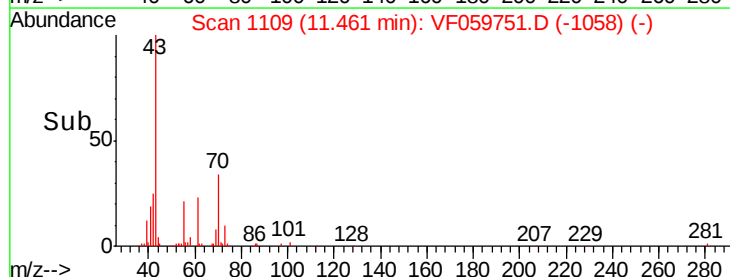
30000

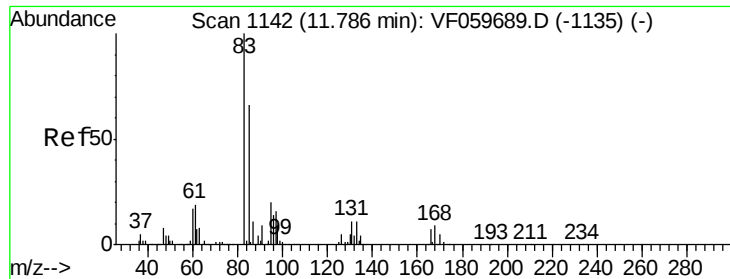
20000

10000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 21.58 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

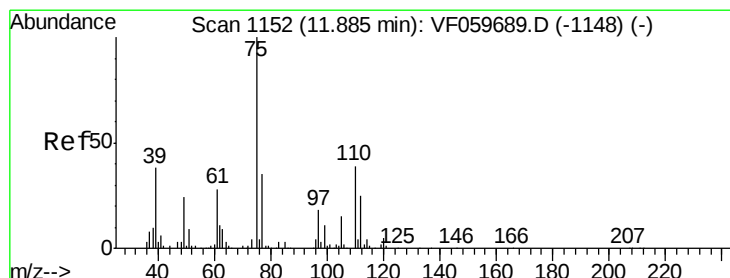
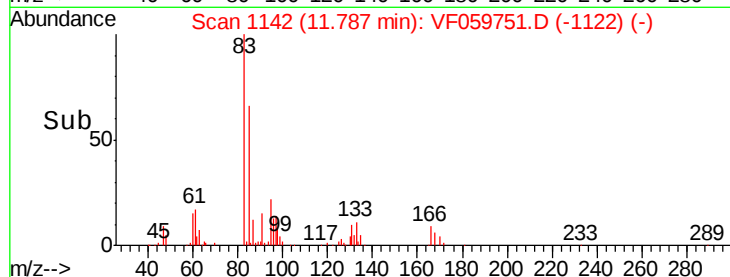
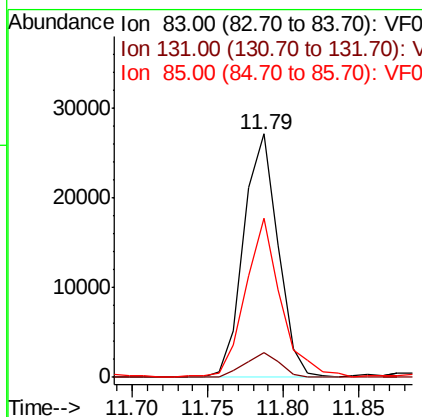
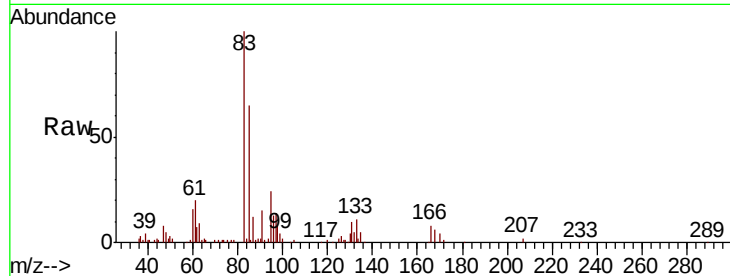
ClientSampleId :

VF0801SBS01

Tot Ion:	83	Resp:	42991
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.8	17.3
85	65.3	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 20.35 ug/l

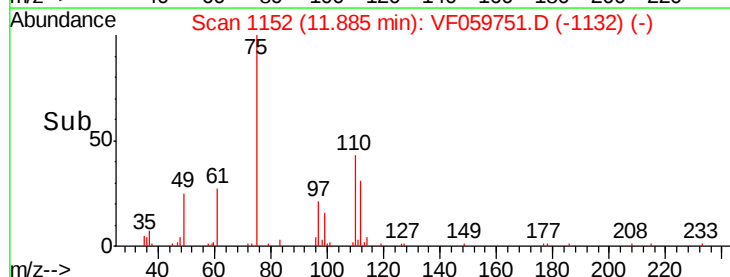
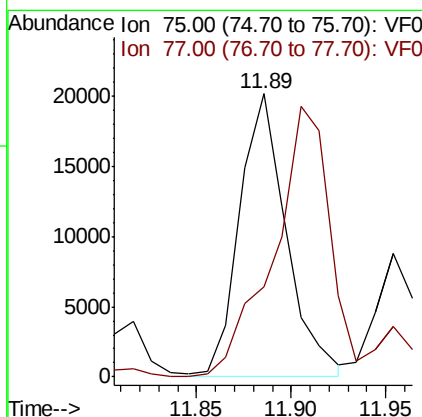
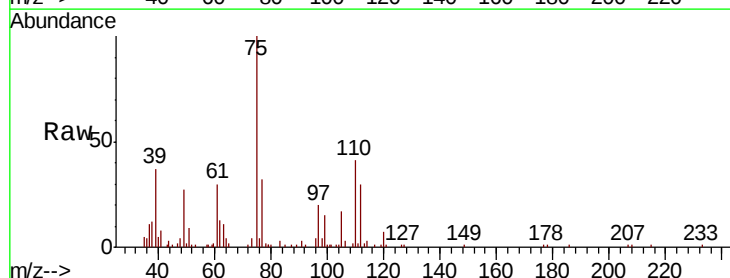
RT: 11.89 min Scan# 1152

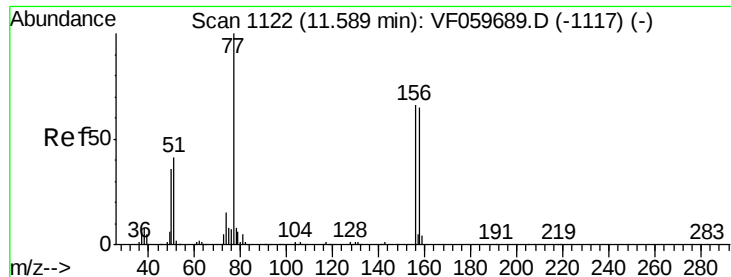
Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Tgt Ion:	75	Resp:	34471
Ion Ratio	Lower	Upper	
75	100		
77	31.9	18.0	54.0





#77

Bromobenzene

Concen: 20.89 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

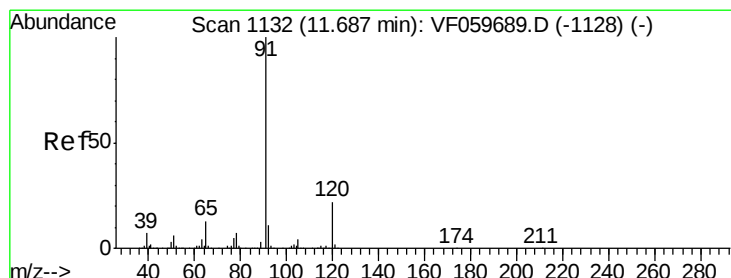
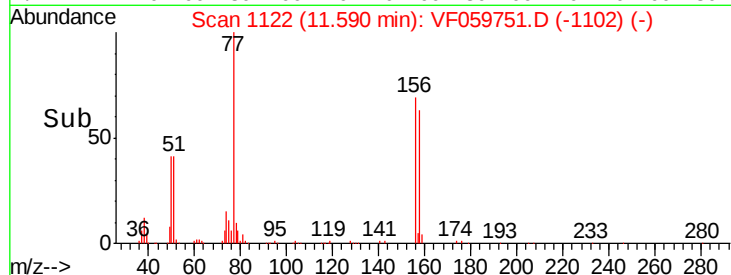
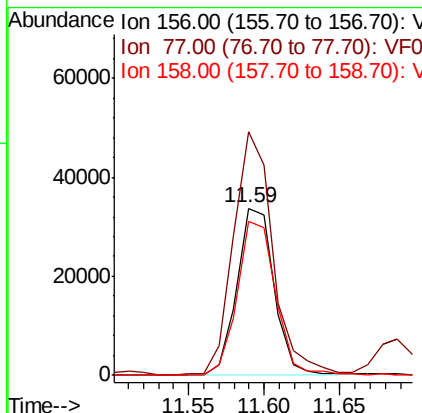
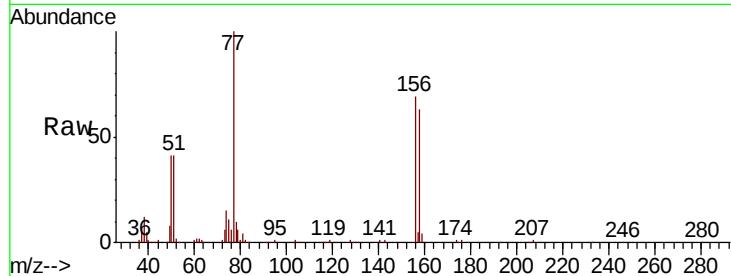
ClientSampleId :

VF0801SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	145.6	75.2	225.6	
158	91.8	49.1	147.3	

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#78

n-propylbenzene

Concen: 22.78 ug/l

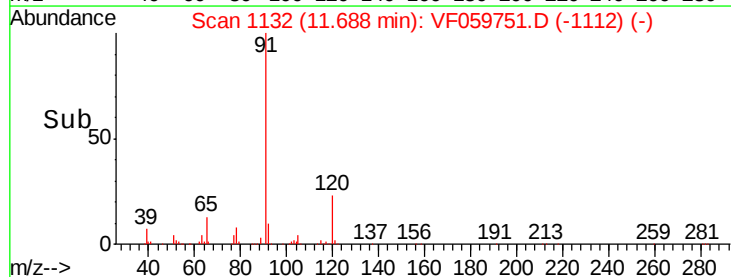
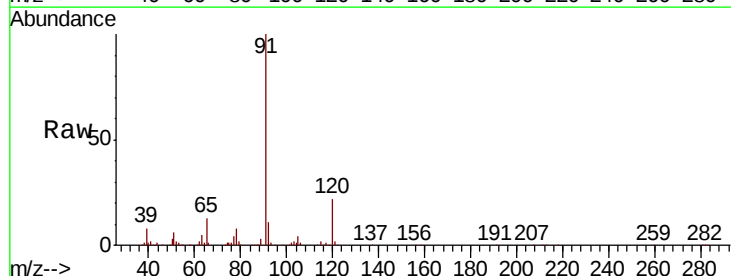
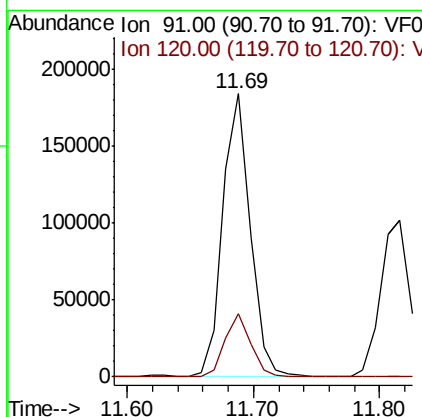
RT: 11.69 min Scan# 1132

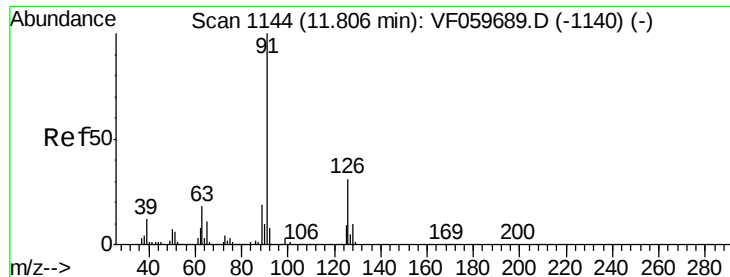
Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.5	11.0	33.0	





#79

2-Chlorotoluene

Concen: 21.74 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

ClientSampleId :

VF0801SBS01

Tot Ion: 91 Resp: 165381

Ion Ratio Lower Upper

91 100

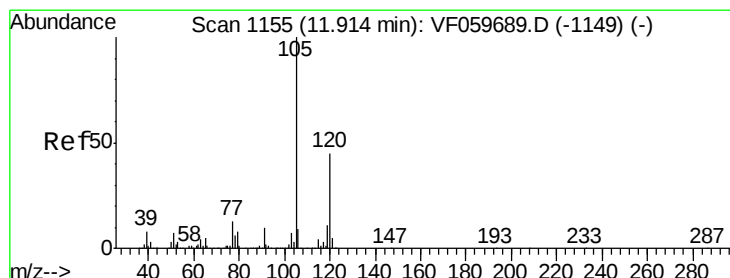
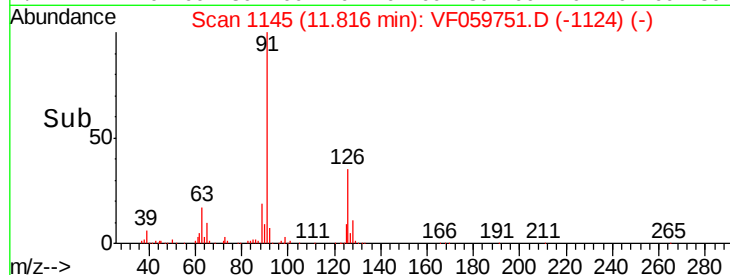
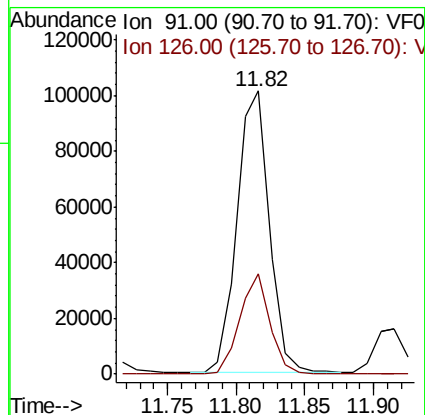
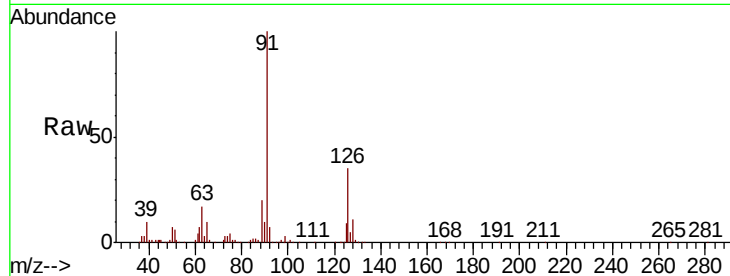
126 35.2 15.4 46.2

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#80

1,3,5-Trimethylbenzene

Concen: 22.41 ug/l

RT: 11.91 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059751.D

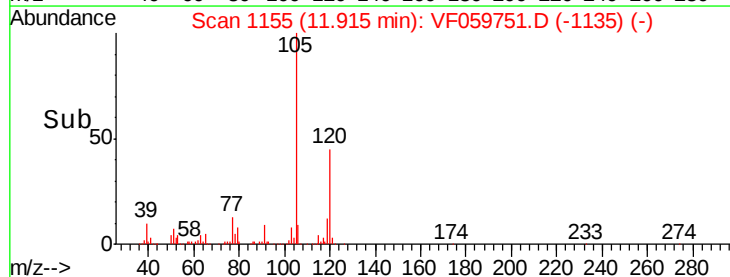
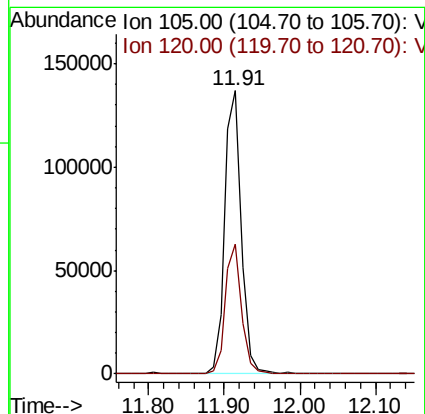
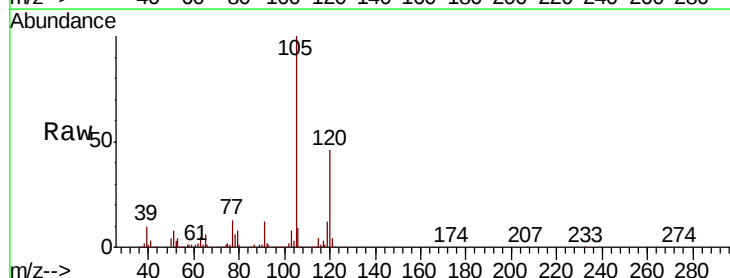
Acq: 1 Aug 2018 13:20

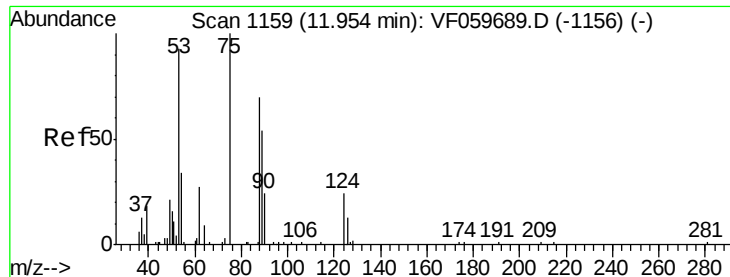
Tgt Ion:105 Resp: 210595

Ion Ratio Lower Upper

105 100

120 45.9 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.15 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

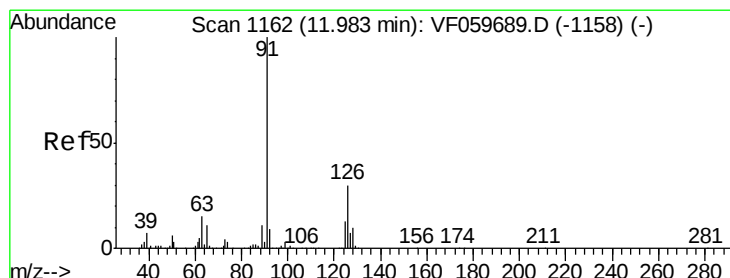
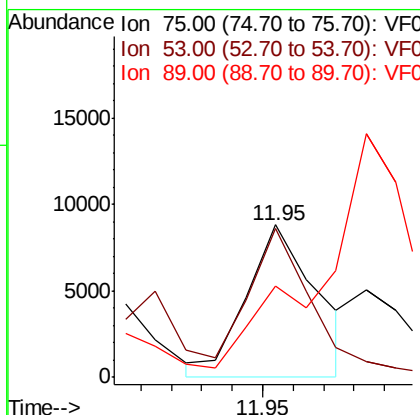
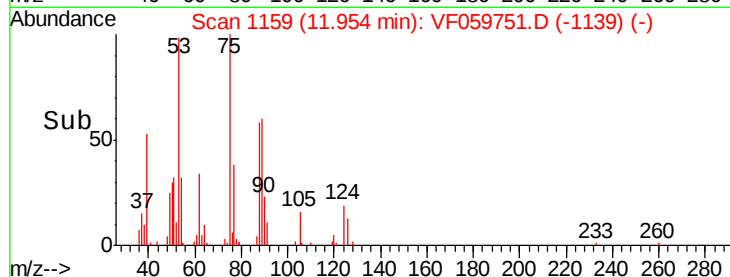
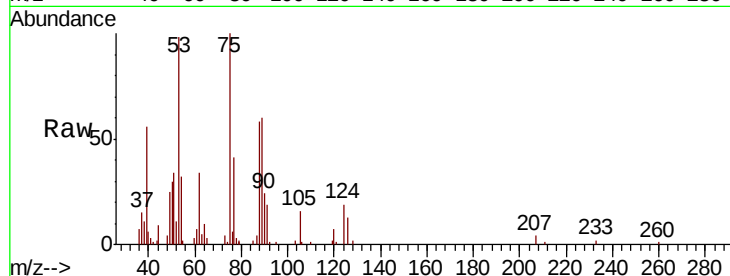
ClientSampleId :

VF0801SBS01

Tot Ion:	75	Resp:	14139
Ion	Ratio	Lower	Upper
75	100		
53	98.1	78.3	117.5
89	59.9	45.4	68.2

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#82

4-Chlorotoluene

Concen: 20.97 ug/l

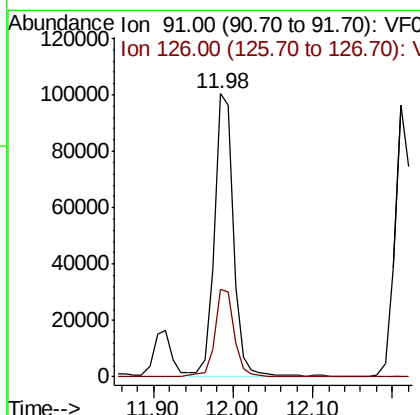
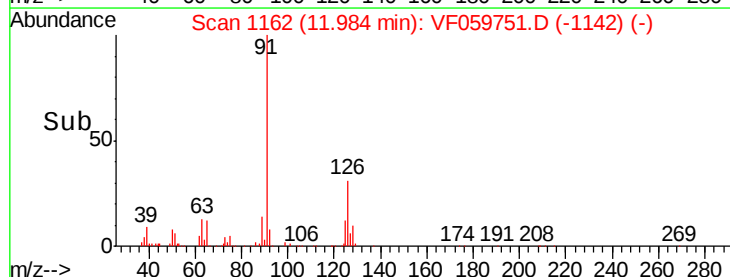
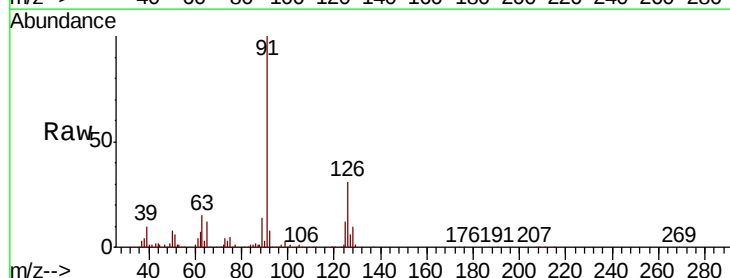
RT: 11.98 min Scan# 1162

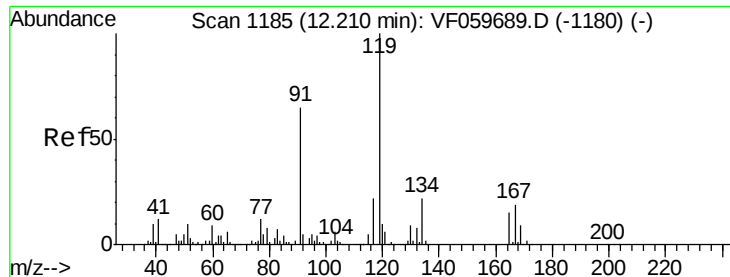
Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Tgt Ion:	91	Resp:	169957
Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.2	45.6





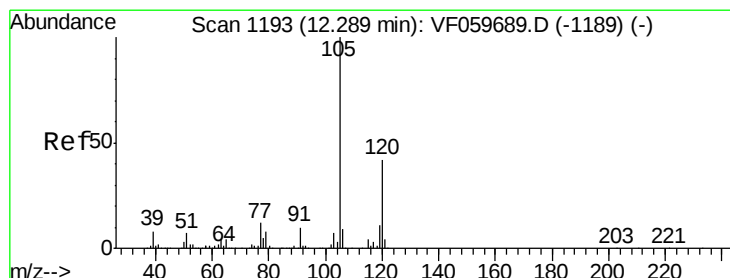
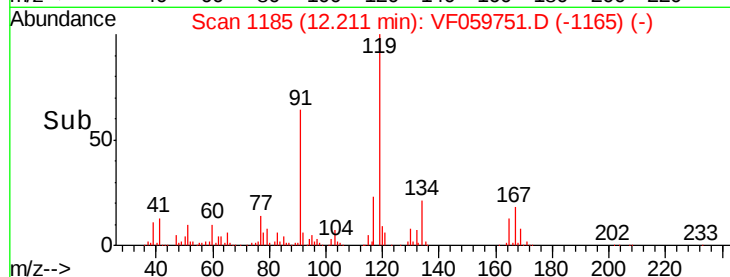
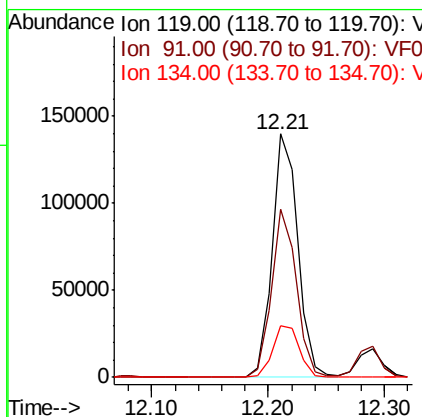
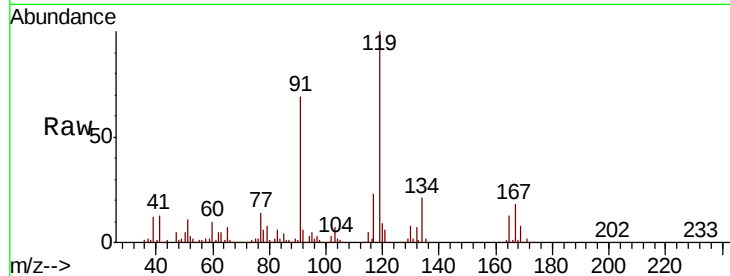
#83
 tert-Butylbenzene
 Concen: 22.44 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059751.D
 Acq: 1 Aug 2018 13:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS01

Tot Ion:	119	Resp:	213190
Ion Ratio	Lower	Upper	
119	100		
91	68.8	32.8	98.4
134	21.1	10.9	32.7

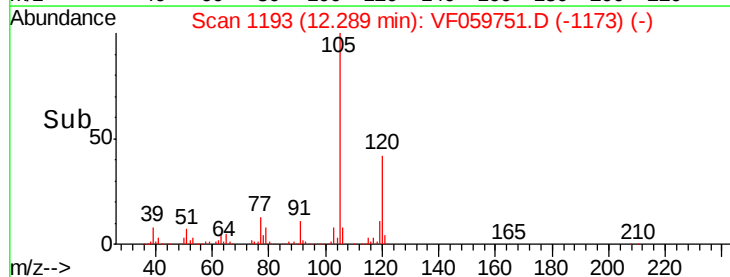
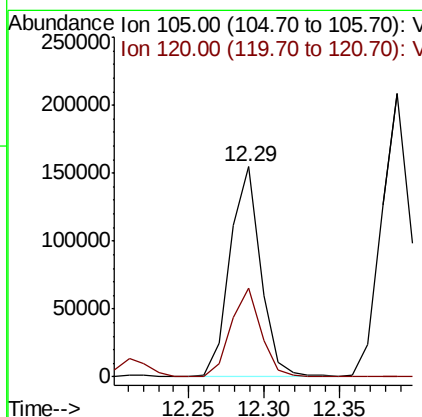
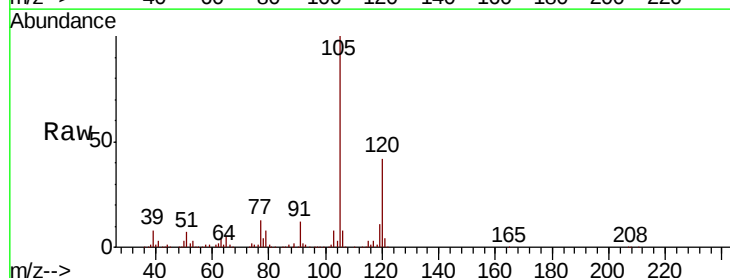
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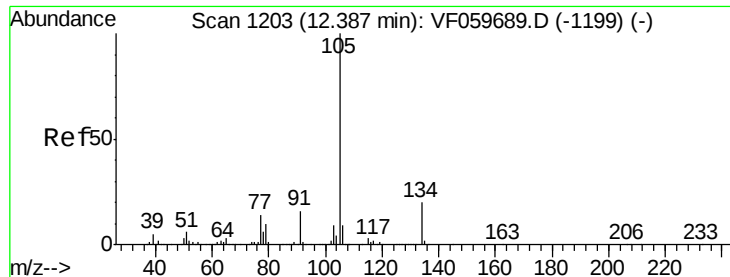
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#84
 1,2,4-Trimethylbenzene
 Concen: 23.22 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059751.D
 Acq: 1 Aug 2018 13:20

Tgt Ion:	105	Resp:	218504
Ion Ratio	Lower	Upper	
105	100		
120	42.5	21.1	63.3





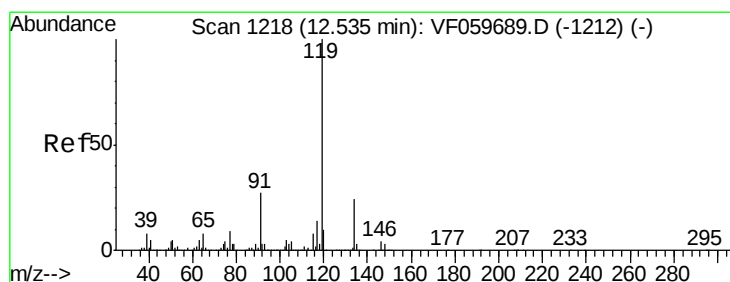
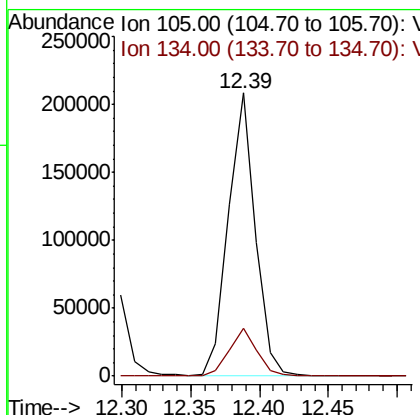
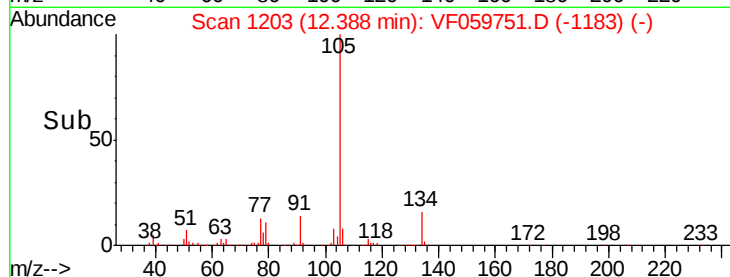
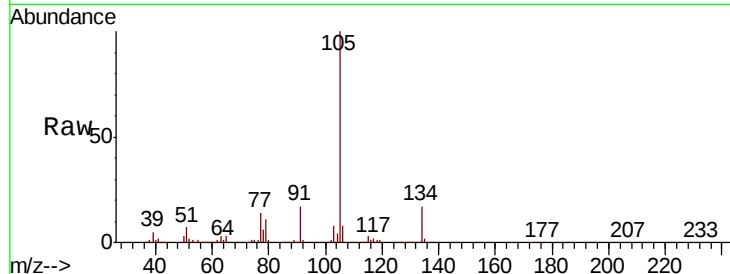
#85
 sec-Butylbenzene
 Concen: 23.34 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059751.D
 Acq: 1 Aug 2018 13:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	283418		
134	16.9	9.8	29.3	

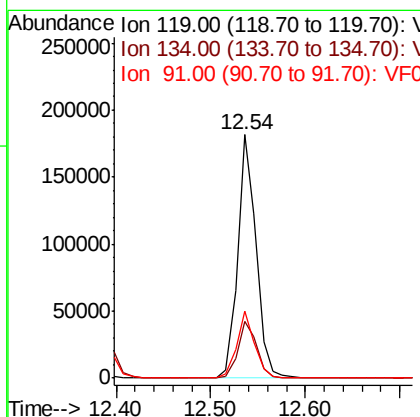
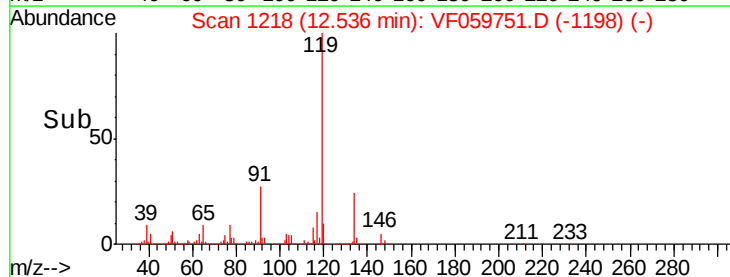
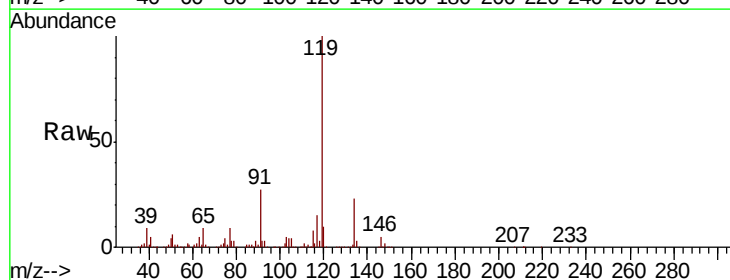
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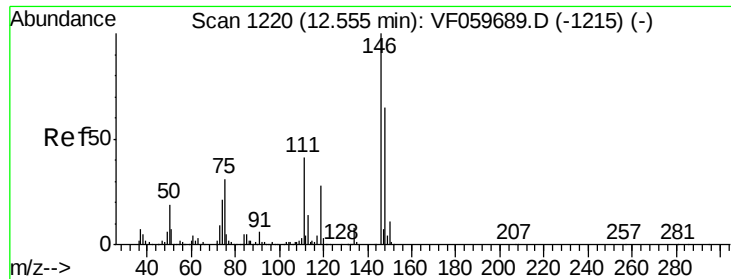
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#86
 p-Isopropyltoluene
 Concen: 22.89 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059751.D
 Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	244300		
134	23.5	12.2	36.6	
91	27.4	13.4	40.2	





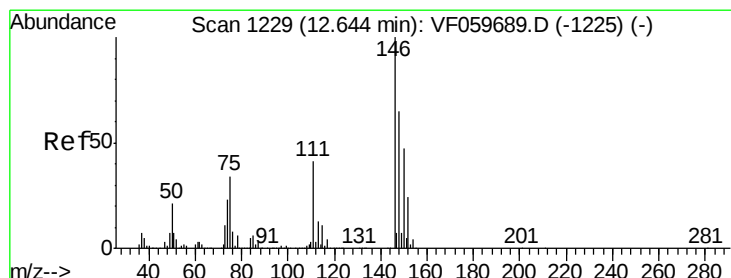
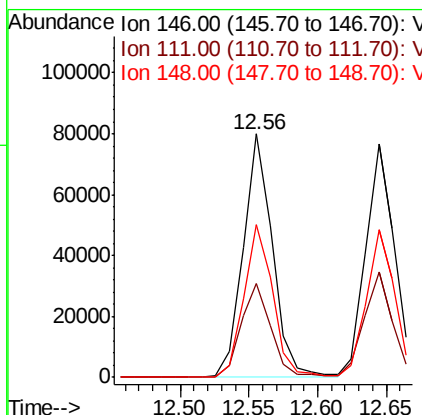
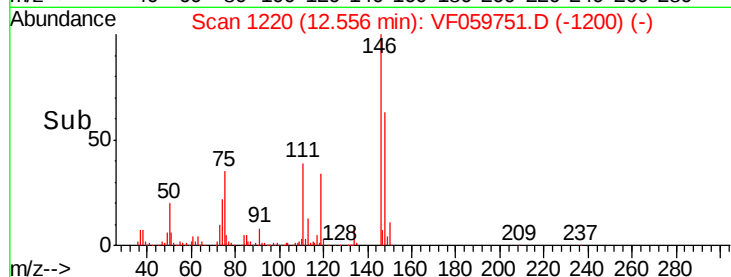
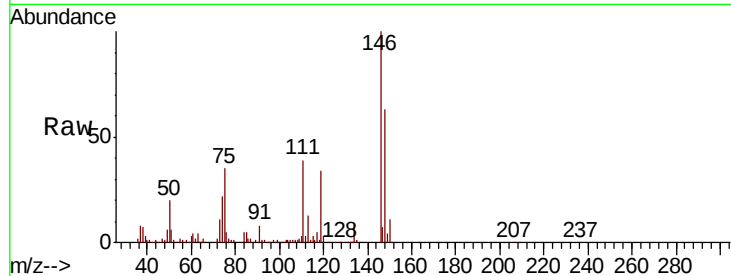
#87
 1,3-Dichlorobenzene
 Concen: 23.25 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059751.D
 Acq: 1 Aug 2018 13:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.7	62.1
148	62.7	32.3	96.8

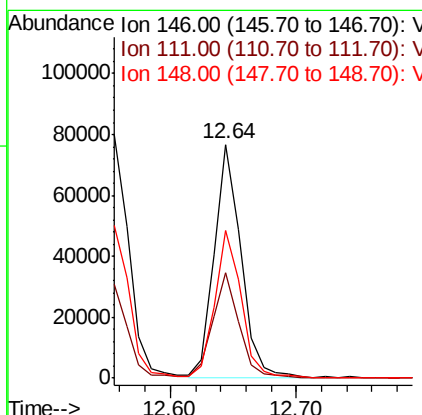
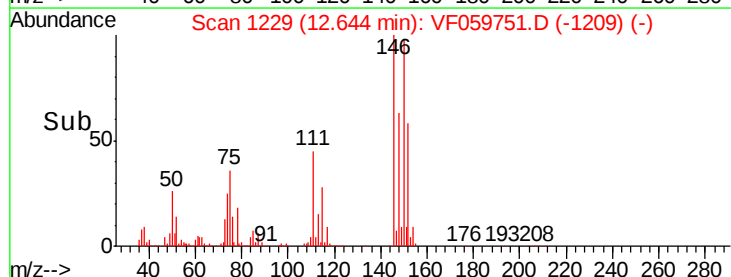
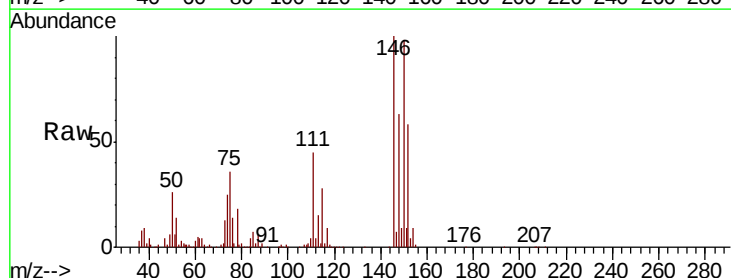
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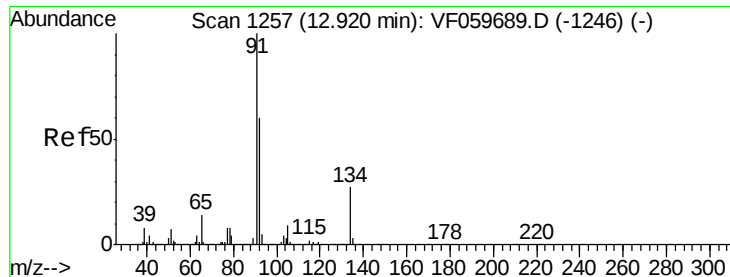
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#88
 1,4-Dichlorobenzene
 Concen: 22.57 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059751.D
 Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.3	20.8	62.2
148	63.1	32.3	96.9





#89

n-Butylbenzene

Concen: 22.59 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

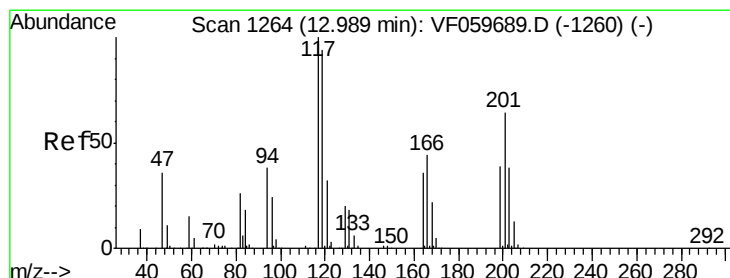
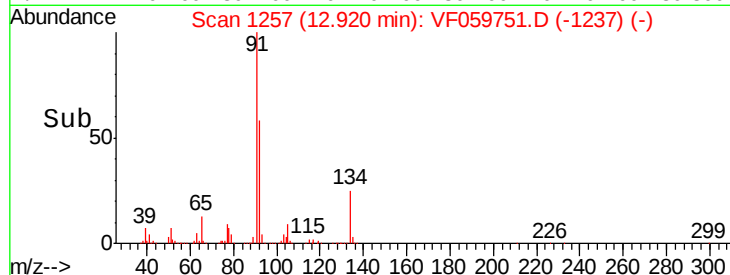
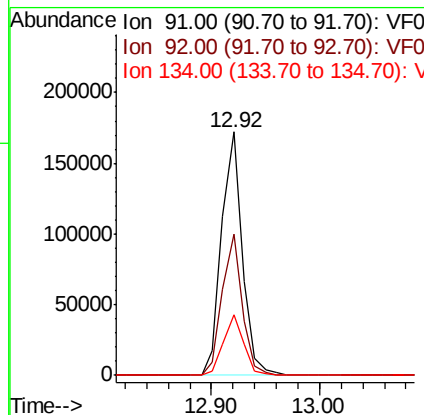
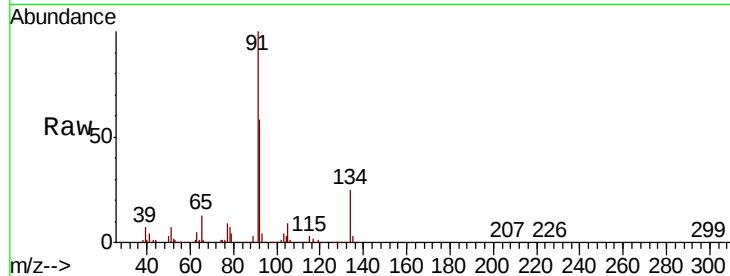
ClientSampleId :

VF0801SBS01

Tot Ion:	91	Resp:	230275
Ion	Ratio	Lower	Upper
91	100		
92	58.2	30.1	90.3
134	25.1	13.7	41.0

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#90

Hexachloroethane

Concen: 22.24 ug/l

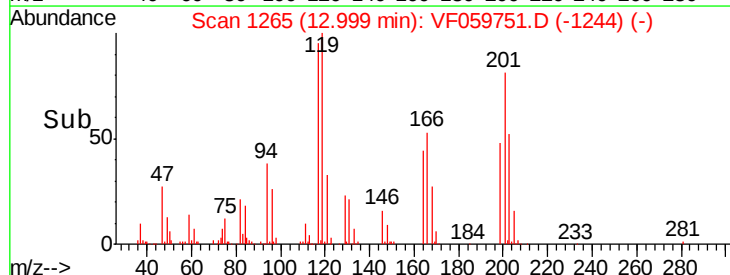
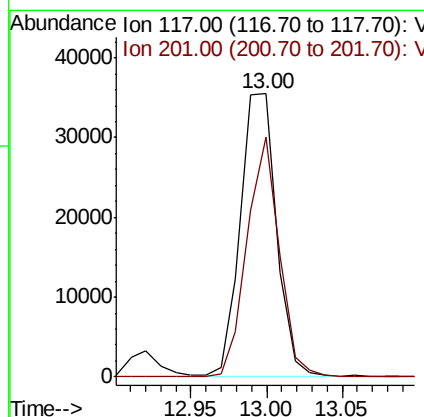
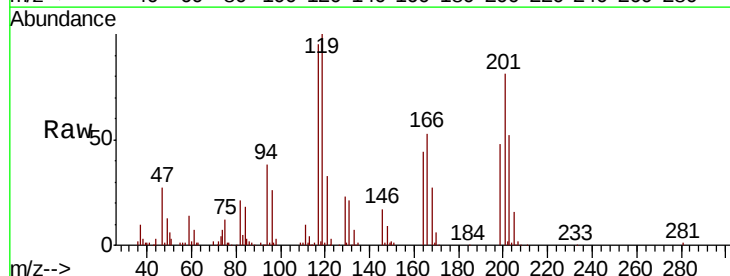
RT: 13.00 min Scan# 1265

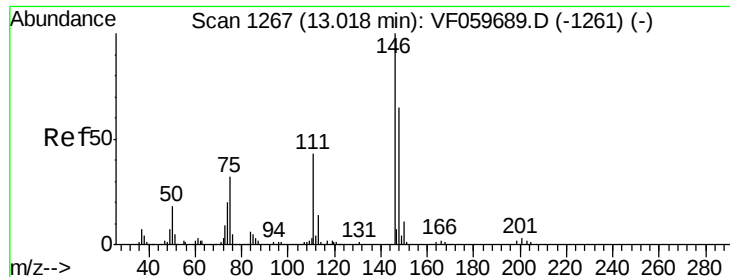
Delta R.T. 0.01 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Tgt Ion:	117	Resp:	59381
Ion	Ratio	Lower	Upper
117	100		
201	84.9	31.9	95.5





#91

1,2-Dichlorobenzene

Concen: 22.99 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Instrument :

MSVOA_F

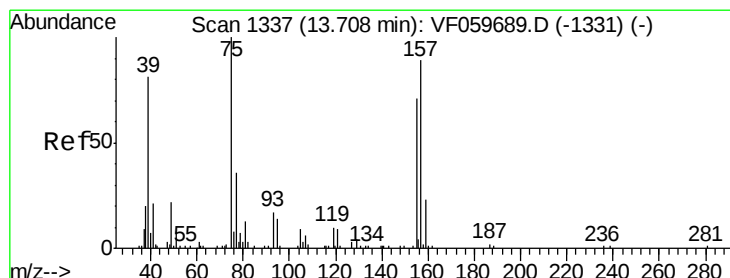
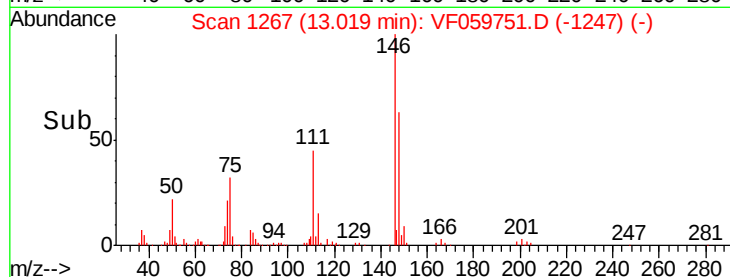
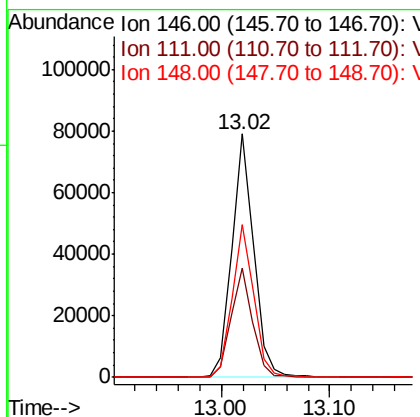
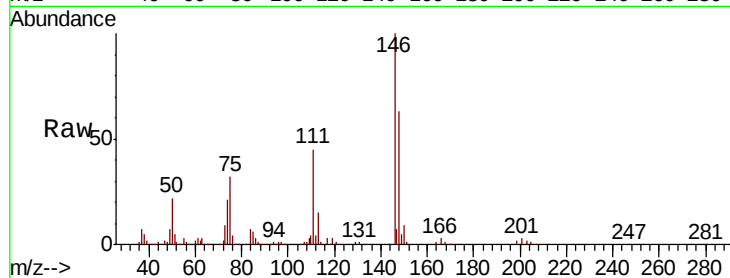
ClientSampleId :

VF0801SBS01

Tot Ion:	146	Resp:	111910
Ion Ratio	Lower	Upper	
146	100		
111	45.1	21.6	65.0
148	62.7	32.3	96.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.46 ug/l

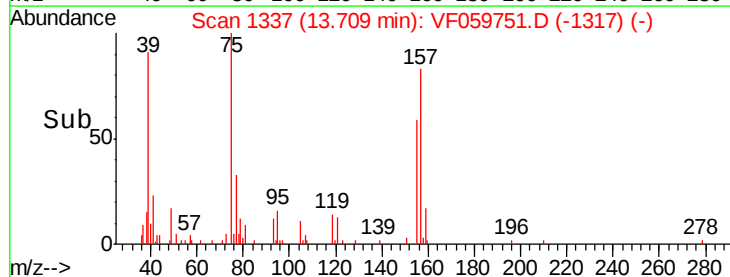
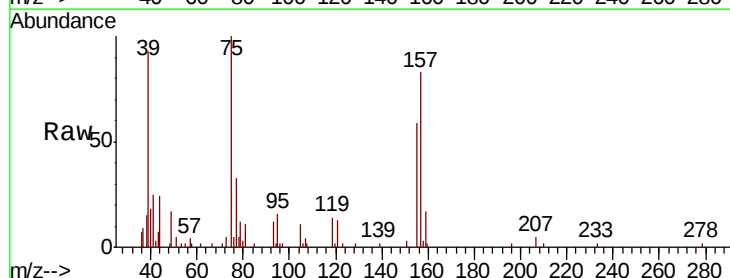
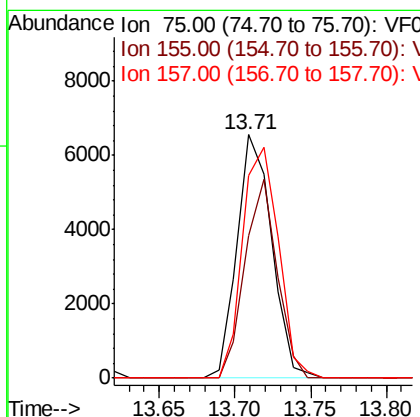
RT: 13.71 min Scan# 1337

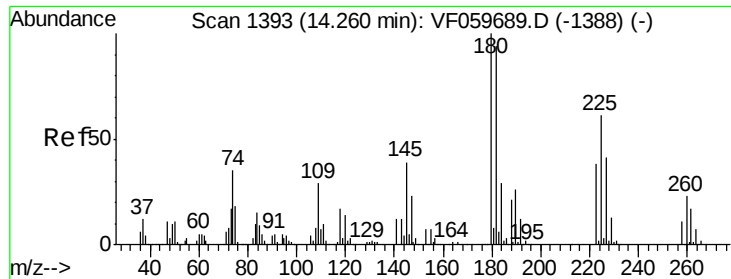
Delta R.T. 0.00 min

Lab File: VF059751.D

Acq: 1 Aug 2018 13:20

Tgt Ion:	75	Resp:	10452
Ion Ratio	Lower	Upper	
75	100		
155	58.6	35.4	106.2
157	83.4	44.4	133.2





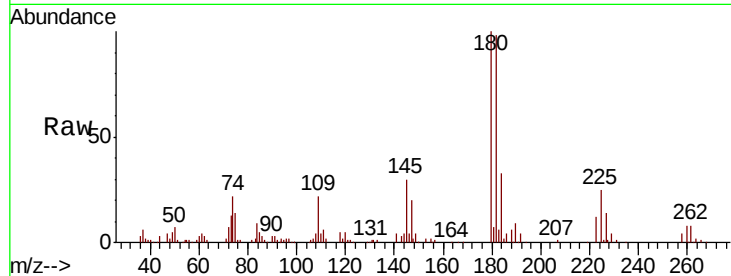
#93
 1,2,4-Trichlorobenzene
 Concen: 21.57 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059751.D
 Acq: 1 Aug 2018 13:20

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0801SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.4	47.2	141.6
145	30.3	19.3	57.9

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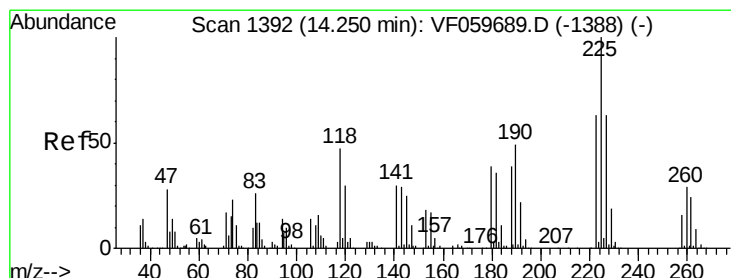
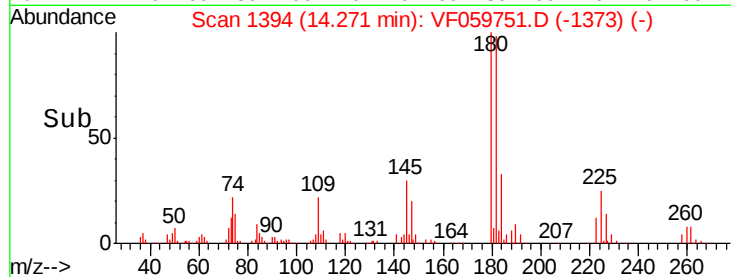
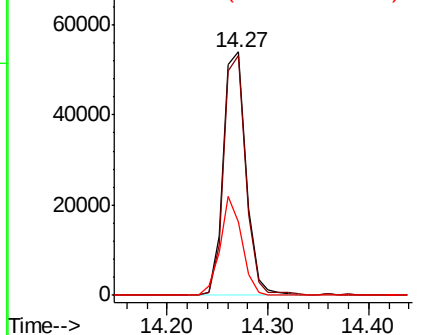


Abundance

Ion 180.00 (179.70 to 180.70): V

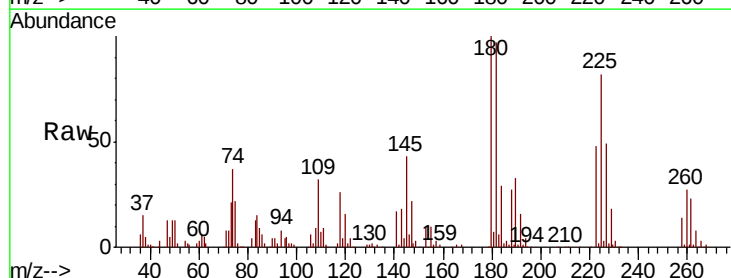
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 24.43 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059751.D
 Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.4	94.2
227	60.4	31.5	94.5

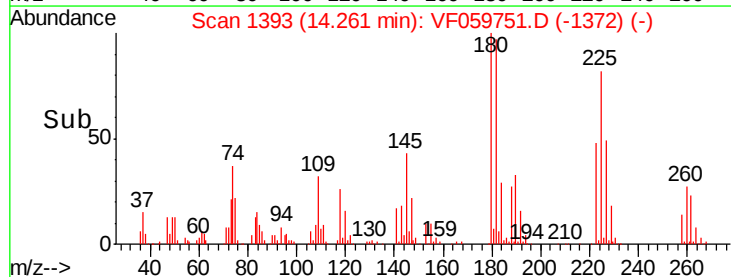
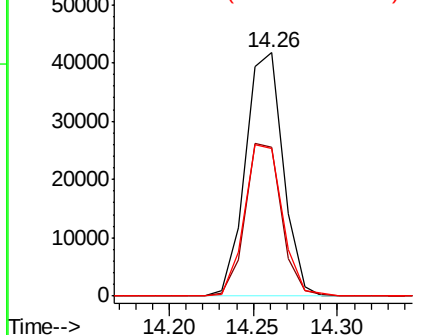


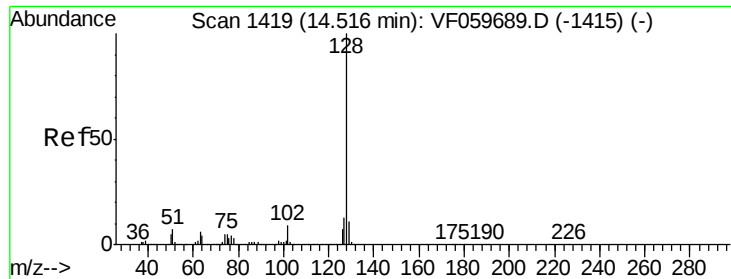
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





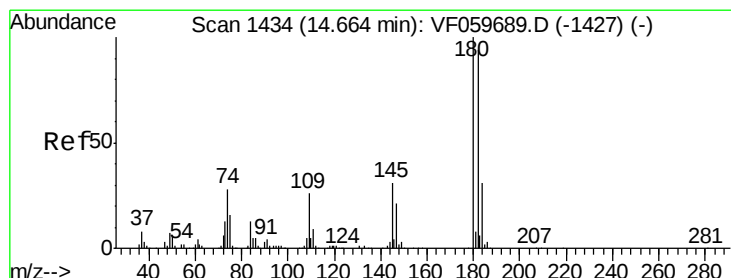
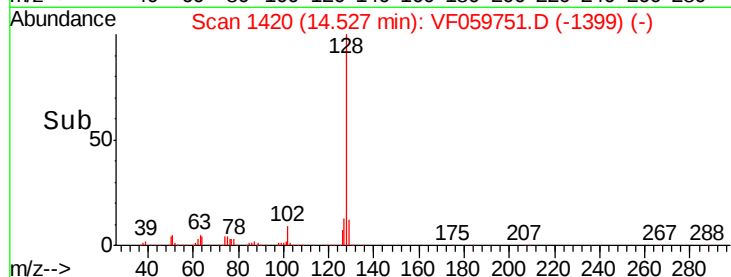
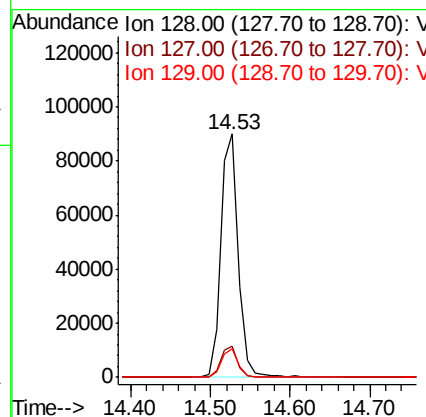
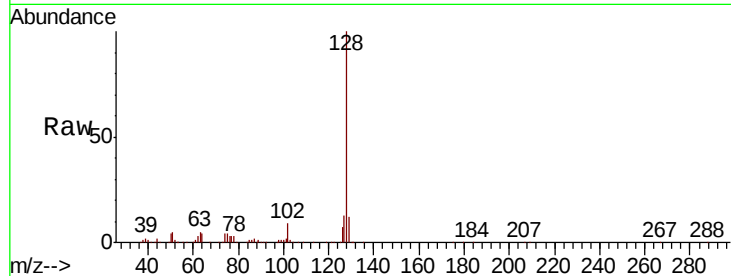
#95
Naphthalene
Concen: 19.97 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.01 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Instrument :
MSVOA_F
ClientSampleId :
VF0801SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	138865		
127	12.6	10.0	15.0	
129	11.5	8.6	13.0	

Manual Integrations
APPROVED

apatel
8/2/2018 10:25:49 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.79 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059751.D
Acq: 1 Aug 2018 13:20

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	83764		
182	91.0	47.2	141.6	
145	34.1	15.6	46.7	

