

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF071918\
 Data File : VF059566.D
 Acq On : 19 Jul 2018 20:29
 Operator : VA/AP
 Sample : VF0719SBS02
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 58 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS02

Manual Integrations
 APPROVED

apatel
 7/20/2018 11:48:57 AM

Quant Time: Jul 20 05:40:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F071718S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 18 04:09:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	220784	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	314866	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	324533	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.63	152	226016	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	185981	54.16	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.32%	
35) Dibromofluoromethane	4.29	113	149898	54.97	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.94%	
50) Toluene-d8	7.71	98	343182	49.96	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	11.50	95	201510	55.92	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	111.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	64477	23.84	ug/l	93
3) Chloromethane	1.08	50	27596	18.54	ug/l	95
4) Vinyl Chloride	1.15	62	30372	20.22	ug/l	93
5) Bromomethane	1.34	94	28797	27.67	ug/l	95
6) Chloroethane	1.42	64	19677	25.98	ug/l #	86
7) Trichlorofluoromethane	1.49	101	77524m	21.09	ug/l	
8) Diethyl Ether	1.69	74	14948	21.13	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	1.90	101	45934	29.59	ug/l #	88
10) Methyl Iodide	1.96	142	85027	31.29	ug/l	94
11) Tert butyl alcohol	2.68	59	14822	93.73	ug/l #	89
12) 1,1-Dichloroethene	1.85	96	37650	22.81	ug/l	93
13) Acrolein	2.09	56	7852	96.20	ug/l	92
14) Allyl chloride	2.19	41	62110	30.15	ug/l	98
15) Acrylonitrile	3.07	53	28179	97.81	ug/l	97
16) Acetone	2.33	43	61387	103.55	ug/l #	87
17) Carbon Disulfide	1.86	76	97522m	23.06	ug/l	
18) Methyl Acetate	2.44	43	21295	18.39	ug/l	96
19) Methyl tert-butyl Ether	2.53	73	107950	20.85	ug/l	94
20) Methylene Chloride	2.28	84	41280	24.29	ug/l #	68
21) trans-1,2-Dichloroethene	2.41	96	37785	24.76	ug/l	94
22) Diisopropyl ether	2.92	45	121412	20.97	ug/l	94
23) Vinyl Acetate	3.32	43	350081	103.48	ug/l	100
24) 1,1-Dichloroethane	3.00	63	90619	25.35	ug/l	98
25) 2-Butanone	4.50	43	69150	86.74	ug/l	92
26) 2,2-Dichloropropane	3.75	77	67307	28.45	ug/l	90
27) cis-1,2-Dichloroethene	3.64	96	44038	24.79	ug/l	82
28) Bromochloromethane	3.88	49	33506	21.29	ug/l #	99
29) Tetrahydrofuran	4.25	42	31732	83.57	ug/l	92
30) Chloroform	4.03	83	122107	23.64	ug/l	95
31) Cyclohexane	3.86	56	47498	25.65	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	105263	31.36	ug/l	96
36) 1,1-Dichloropropene	4.45	75	74055	23.50	ug/l	95
37) Ethyl Acetate	4.28	43	34855	16.71	ug/l #	1
38) Carbon Tetrachloride	4.16	117	107293m	29.71	ug/l	

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	59213	24.76	ug/l	92
40) Benzene	4.81	78	143935	23.54	ug/l	98
41) Methacrylonitrile	4.91	41	17445	19.30	ug/l #	80
42) 1,2-Dichloroethane	5.12	62	98556	24.54	ug/l	99
43) Isopropyl Acetate	7.11	43	39275	17.34	ug/l #	91
44) Trichloroethene	5.67	130	51928	22.94	ug/l	83
45) 1,2-Dichloropropane	6.40	63	37155	21.89	ug/l	98
46) Dibromomethane	6.25	93	35241	22.80	ug/l #	87
47) Bromodichloromethane	6.54	83	97949	24.62	ug/l	98
48) Methyl methacrylate	6.87	41	28090	17.37	ug/l	98
49) 1,4-Dioxane	6.86	88	2803	345.95	ug/l #	84
51) 4-Methyl-2-Pentanone	8.40	43	145769	90.80	ug/l	94
52) Toluene	7.78	92	100366	22.63	ug/l	97
53) t-1,3-Dichloropropene	8.42	75	82513	22.55	ug/l	99
54) cis-1,3-Dichloropropene	7.45	75	79990	21.95	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	39886	23.21	ug/l	93
56) Ethyl methacrylate	8.75	69	37767	17.73	ug/l #	84
57) 1,3-Dichloropropane	9.00	76	66512	21.89	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	22546	119.85	ug/l	100
59) 2-Hexanone	9.63	43	108550	89.47	ug/l	97
60) Dibromochloromethane	8.86	129	66667	23.02	ug/l	99
61) 1,2-Dibromoethane	9.13	107	45911	21.54	ug/l	89
64) Tetrachloroethene	8.30	164	55797	23.09	ug/l	94
65) Chlorobenzene	9.94	112	134287	22.06	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	64828	23.38	ug/l	95
67) Ethyl Benzene	10.03	91	253627	23.41	ug/l	100
68) m/p-Xylenes	10.26	106	184742	48.31	ug/l	91
69) o-Xylene	10.82	106	96284	23.65	ug/l	95
70) Styrene	10.90	104	148657	23.75	ug/l	98
71) Bromoform	10.88	173	40600	21.08	ug/l	95
73) Isopropylbenzene	11.23	105	300390	21.06	ug/l	97
74) N-amyl acetate	11.46	43	63412	13.88	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	55343	17.79	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	48266	19.00	ug/l	96
77) Bromobenzene	11.59	156	79988	20.01	ug/l	90
78) n-propylbenzene	11.69	91	358103	21.89	ug/l	99
79) 2-Chlorotoluene	11.81	91	210914	20.93	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	269765	22.57	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.96	75	19207m	16.55	ug/l	
82) 4-Chlorotoluene	11.99	91	241934	21.43	ug/l	99
83) tert-Butylbenzene	12.21	119	259955	22.66	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	284788	23.16	ug/l	93
85) sec-Butylbenzene	12.39	105	348688	23.90	ug/l	99
86) p-Isopropyltoluene	12.54	119	302035	23.80	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	154218	22.49	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	152835	22.62	ug/l	95
89) n-Butylbenzene	12.91	91	299186	25.19	ug/l	95
90) Hexachloroethane	12.99	117	72329	25.09	ug/l	97
91) 1,2-Dichlorobenzene	13.02	146	151911	23.16	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11944	16.95	ug/l	87

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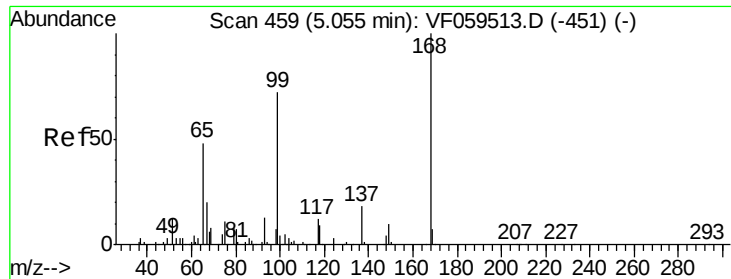
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	107950	27.09	ug/l	98
94) Hexachlorobutadiene	14.25	225	68942	33.77	ug/l	98
95) Naphthalene	14.52	128	175162	21.16	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	100886	28.02	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS02

Tot Ion:168 Resp: 220784

Ion Ratio Lower Upper

168 100

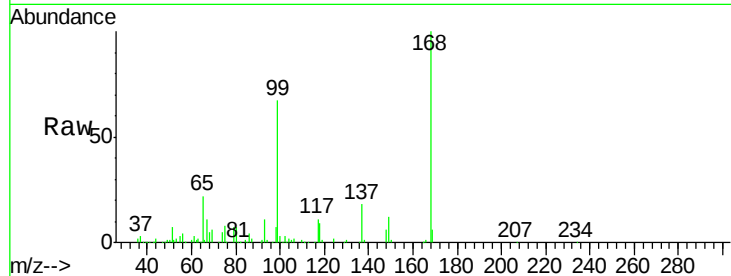
99 66.7 57.6 86.4

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

80000

60000

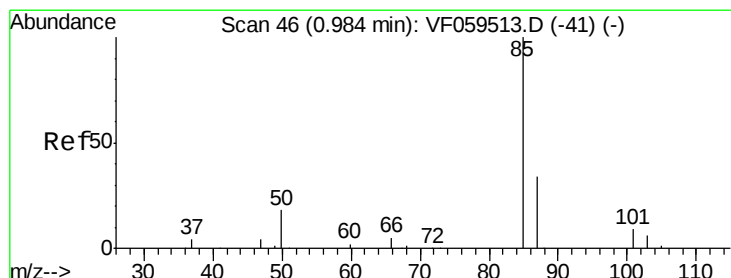
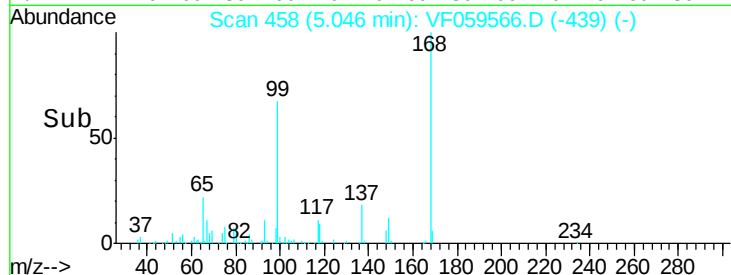
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 23.84 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059566.D

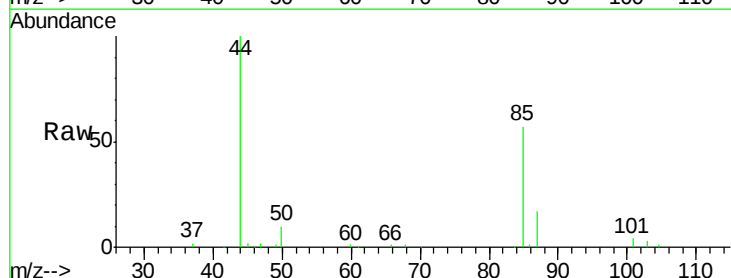
Acq: 19 Jul 2018 20:29

Tgt Ion: 85 Resp: 64477

Ion Ratio Lower Upper

85 100

87 29.8 16.9 50.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

20000

15000

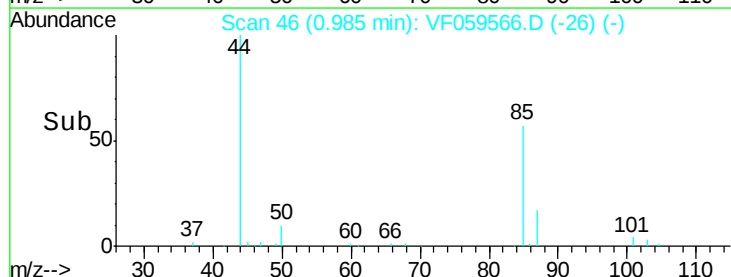
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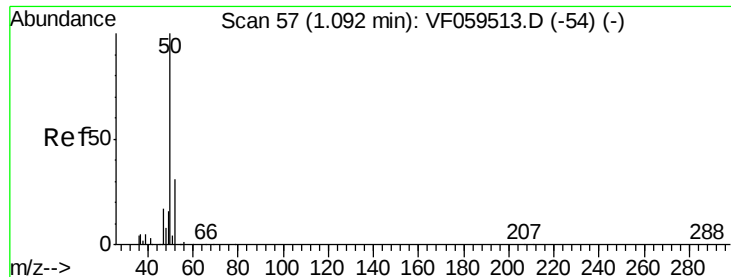
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 18.54 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS02

Tot Ion: 50 Resp: 27596

Ion Ratio Lower Upper

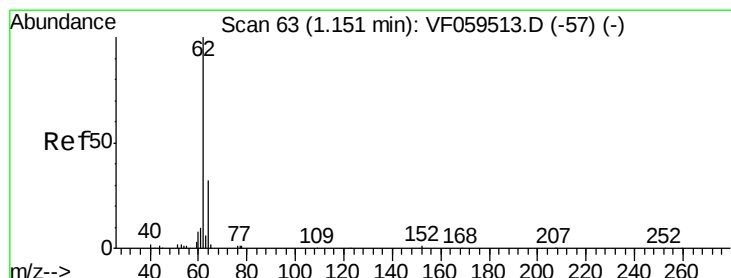
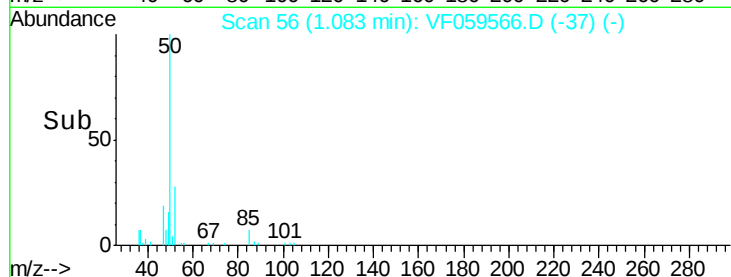
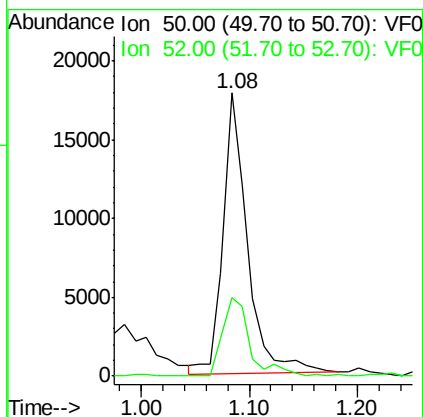
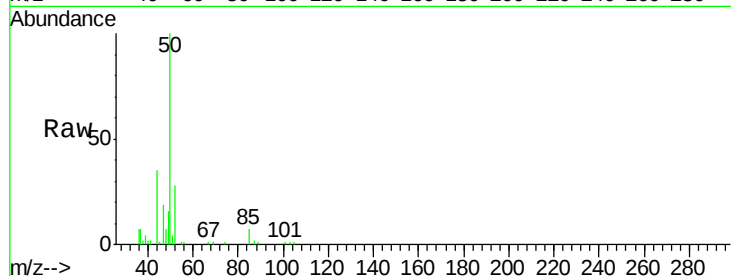
50 100

52 28.0 24.6 37.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.22 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059566.D

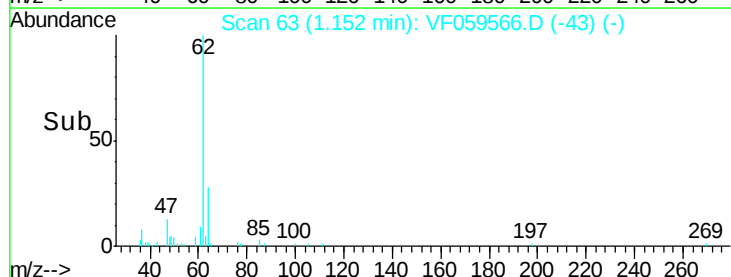
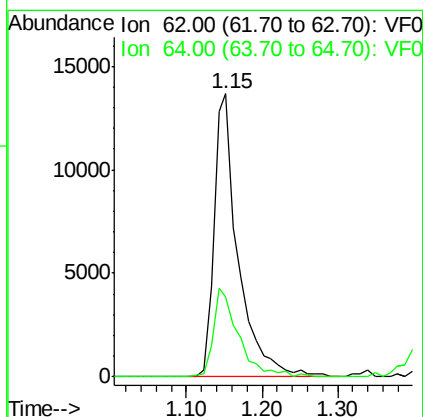
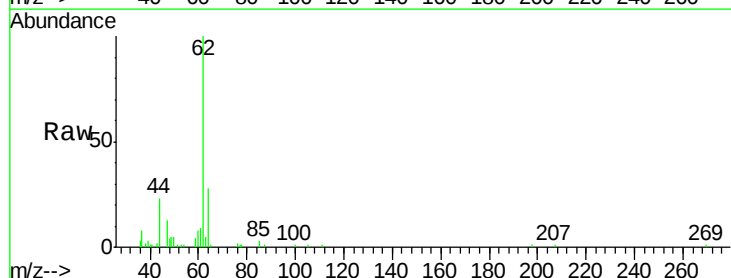
Acq: 19 Jul 2018 20:29

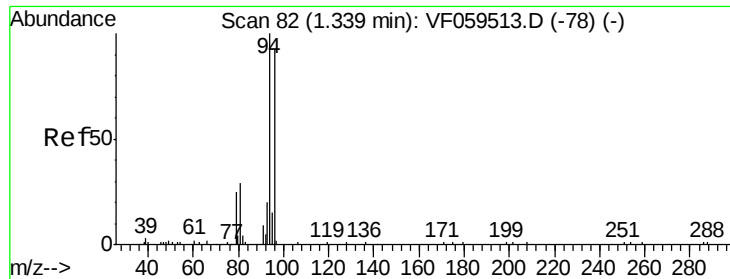
Tgt Ion: 62 Resp: 30372

Ion Ratio Lower Upper

62 100

64 28.1 25.7 38.5





#5

Bromomethane

Concen: 27.67 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS02

Tot Ion: 94 Resp: 28797

Ion Ratio Lower Upper

94 100

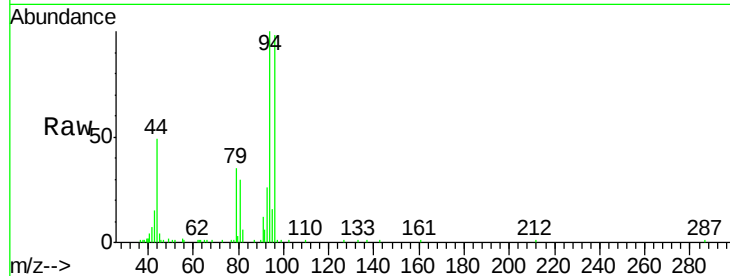
96 97.6 74.2 111.2

Manual Integrations

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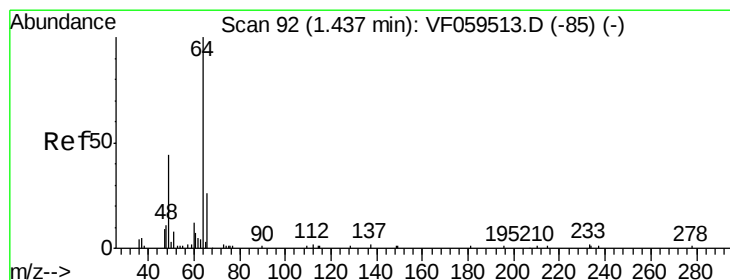
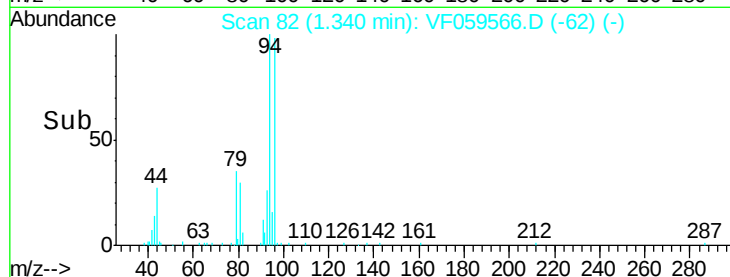
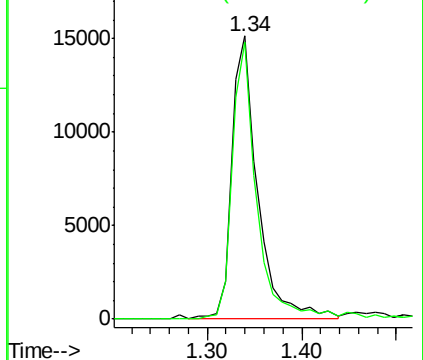
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 25.98 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.02 min

Lab File: VF059566.D

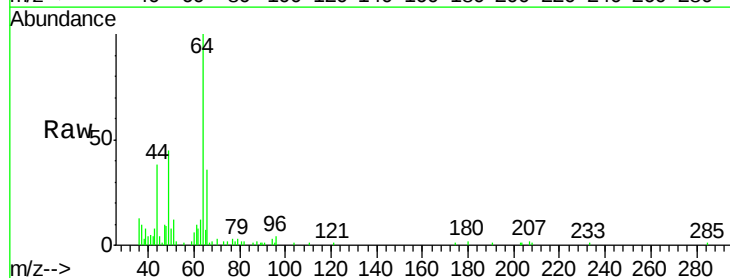
Acq: 19 Jul 2018 20:29

Tgt Ion: 64 Resp: 19677

Ion Ratio Lower Upper

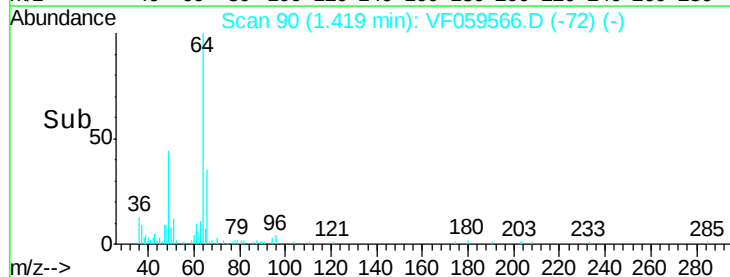
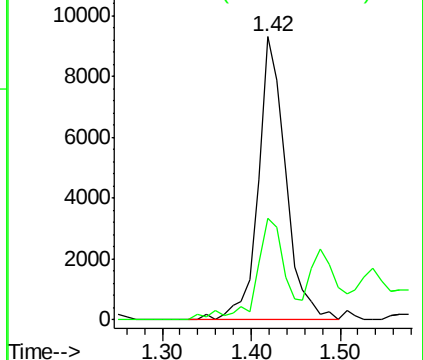
64 100

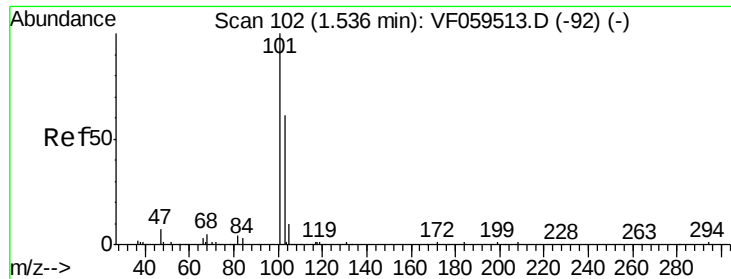
66 35.9 22.9 34.3#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

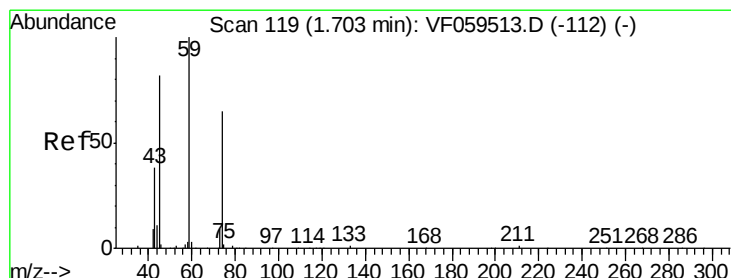
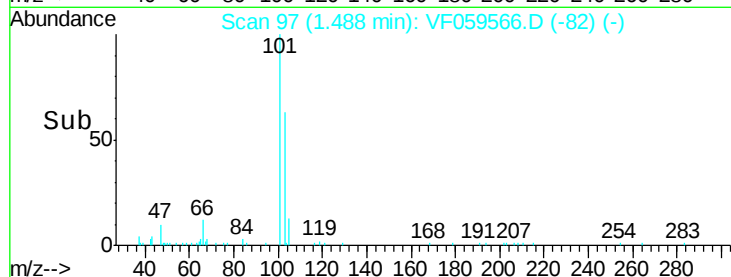
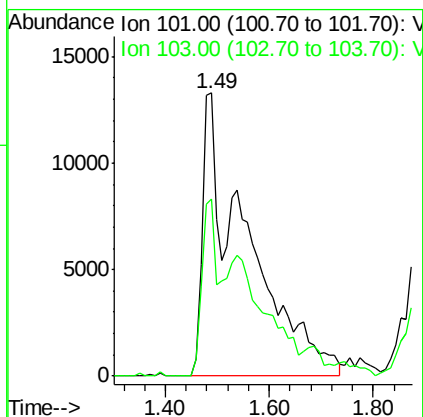
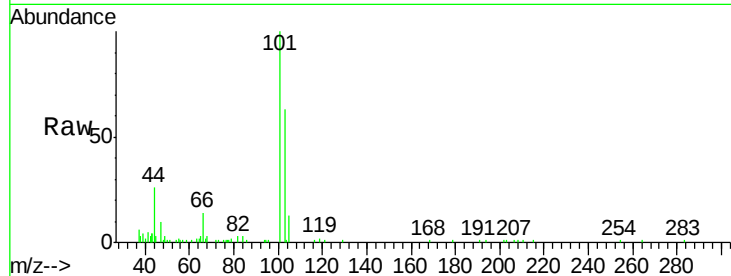
Trichlorofluoromethane
Concen: 21.09 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. -0.05 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

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VF0719SBS02

Tot Ion:101 Resp: 77524
Ion Ratio Lower Upper
101 100
103 62.7 48.6 72.8

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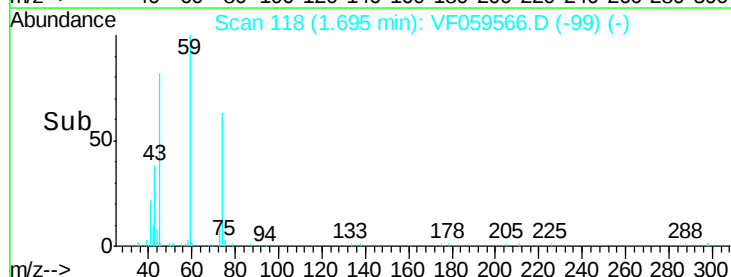
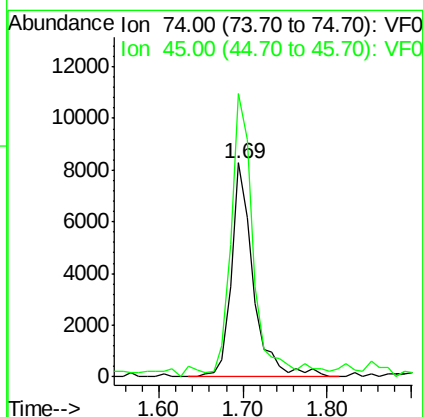
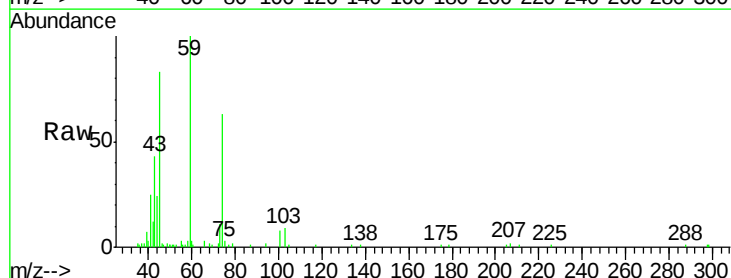
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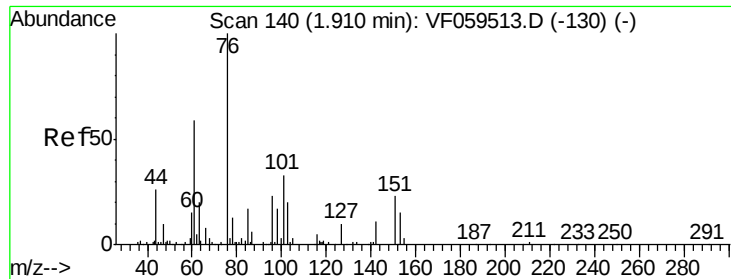


#8

Diethyl Ether
Concen: 21.13 ug/l
RT: 1.69 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion: 74 Resp: 14948
Ion Ratio Lower Upper
74 100
45 132.5 63.6 190.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 29.59 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

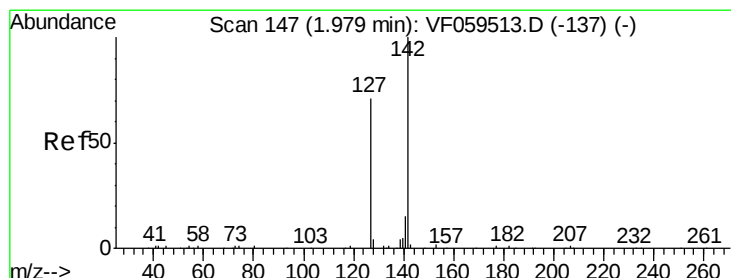
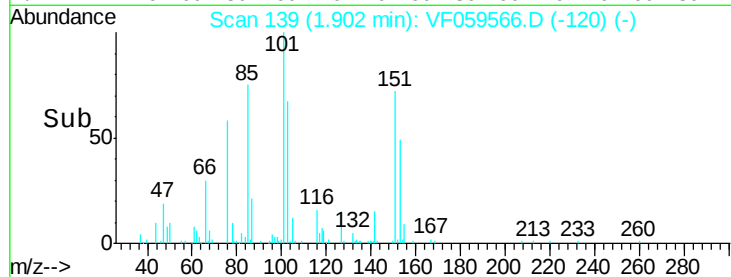
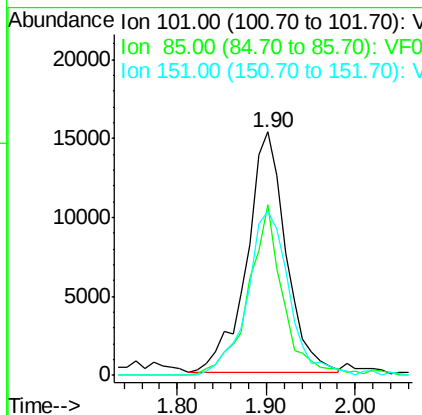
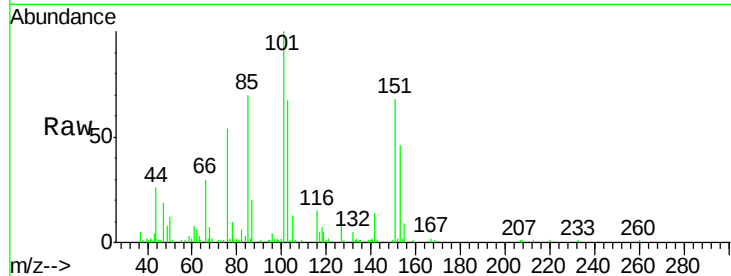
ClientSampleId :

VF0719SBS02

Tot Ion:	101	Resp:	45934
Ion Ratio	Lower	Upper	
101	100		
85	69.8	39.8	59.6#
151	67.7	54.2	81.2

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#10

Methyl Iodide

Concen: 31.29 ug/l

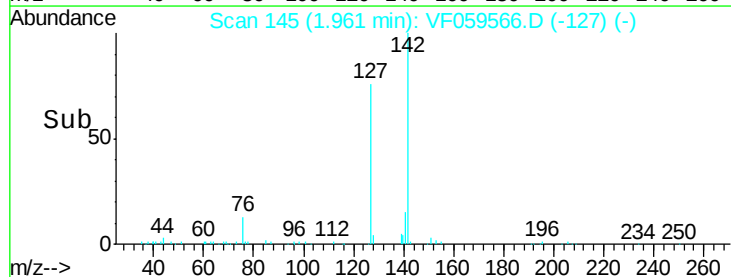
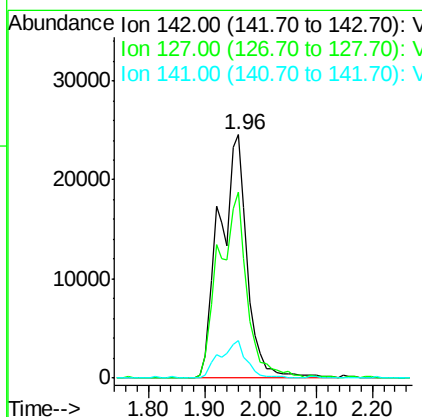
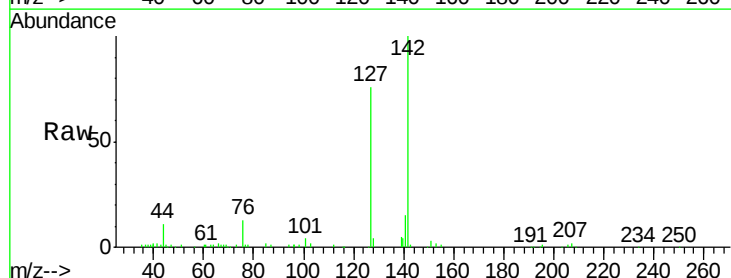
RT: 1.96 min Scan# 145

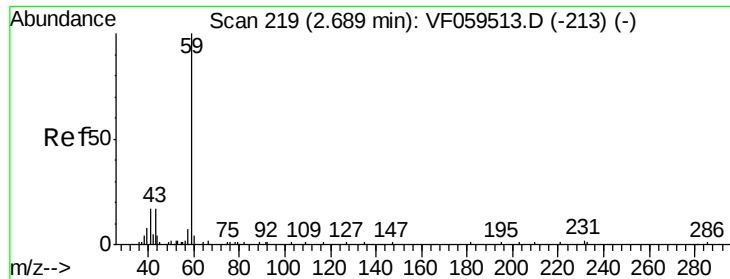
Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Tgt Ion:	142	Resp:	85027
Ion Ratio	Lower	Upper	
142	100		
127	76.5	56.4	84.6
141	15.3	12.0	18.0





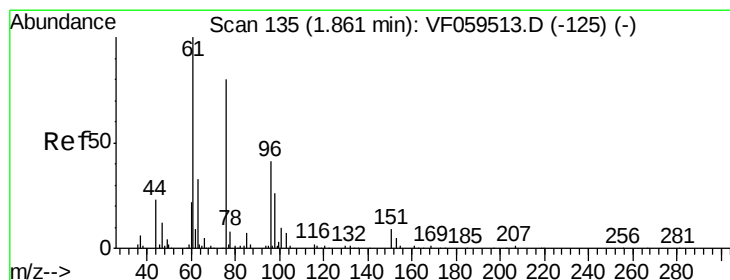
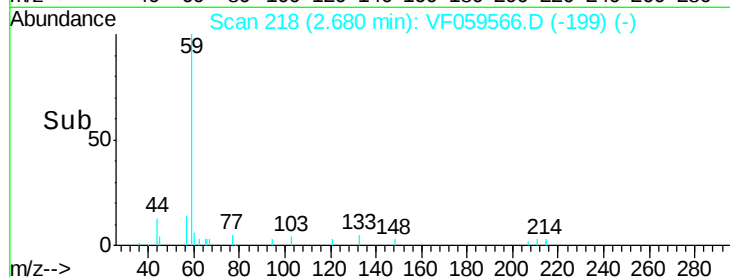
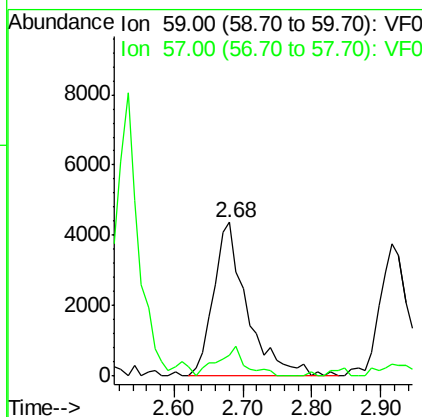
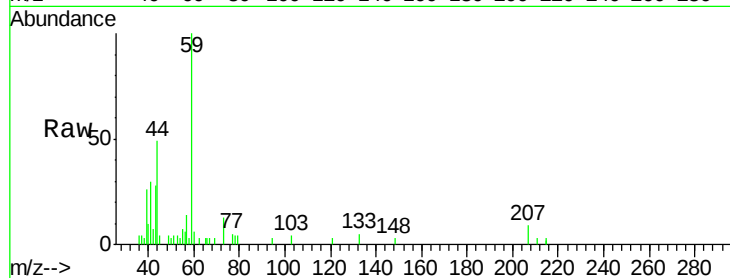
#11
Tert butyl alcohol
Concen: 93.73 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS02

Tot Ion: 59 Resp: 14822
Ion Ratio Lower Upper
59 100
57 13.8 7.7 11.5#

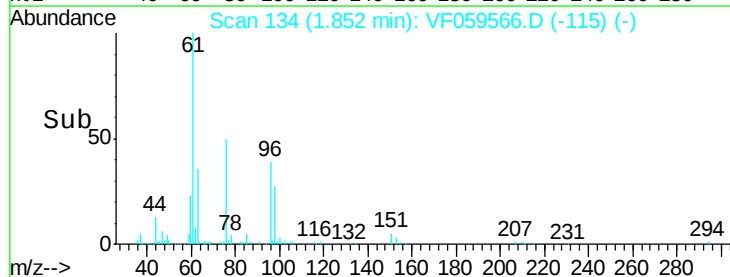
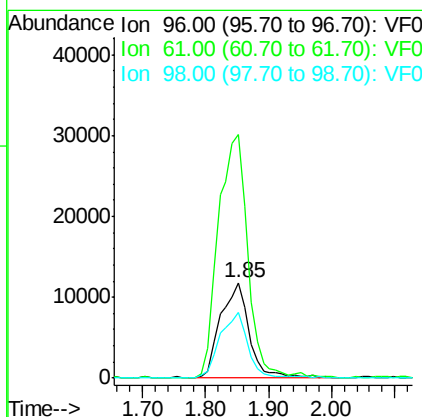
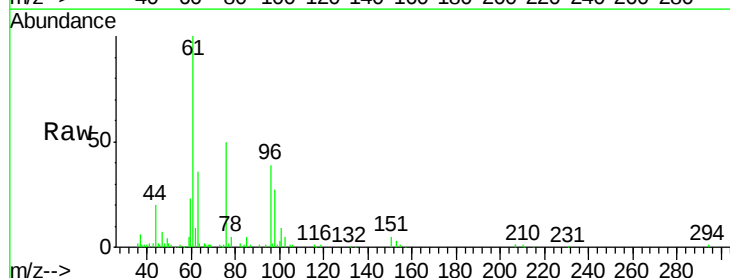
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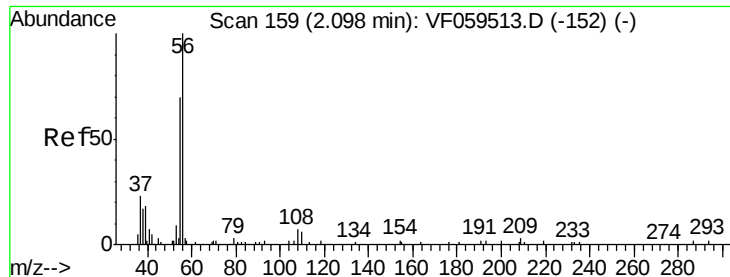
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#12
1,1-Dichloroethene
Concen: 22.81 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion: 96 Resp: 37650
Ion Ratio Lower Upper
96 100
61 254.9 194.3 291.5
98 69.3 50.3 75.5





#13

Acrolein

Concen: 96.20 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS02

Tot Ion: 56 Resp: 7852

Ion Ratio Lower Upper

56 100

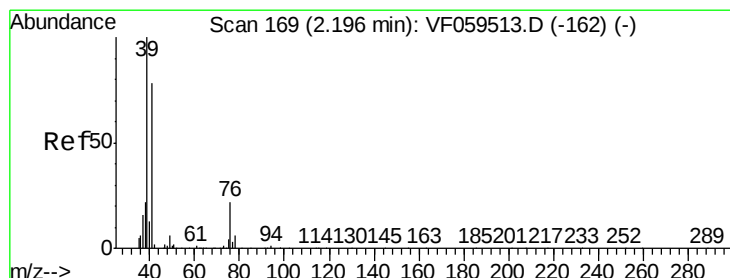
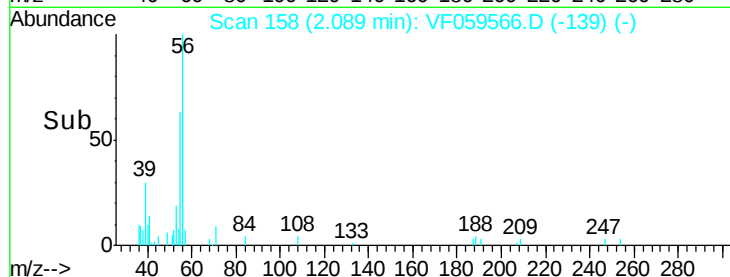
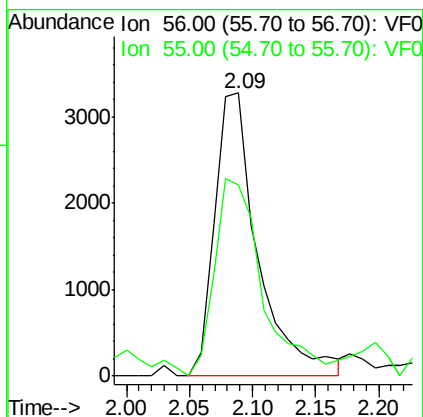
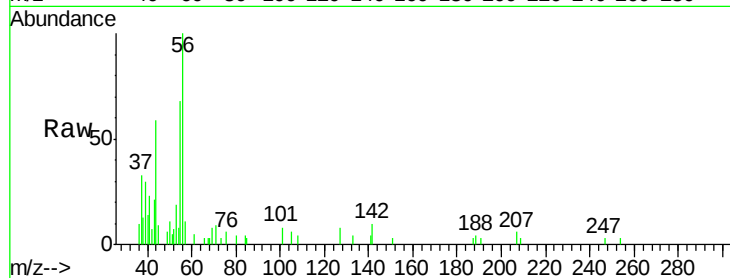
55 67.7 59.4 89.2

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#14

Allyl chloride

Concen: 30.15 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

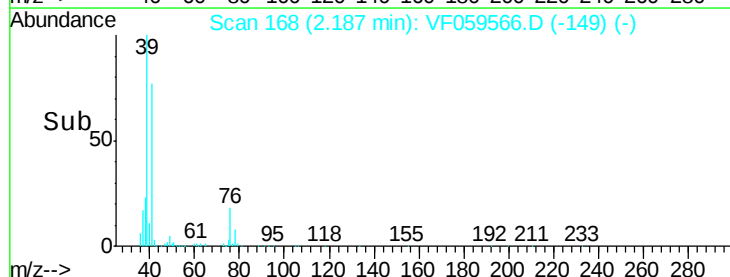
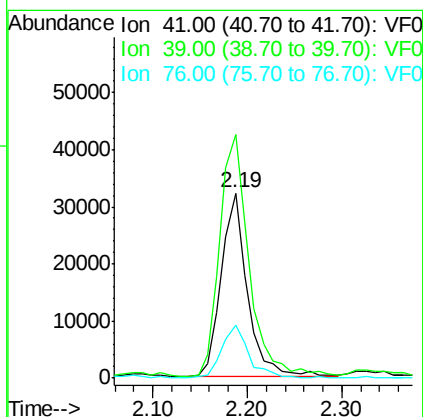
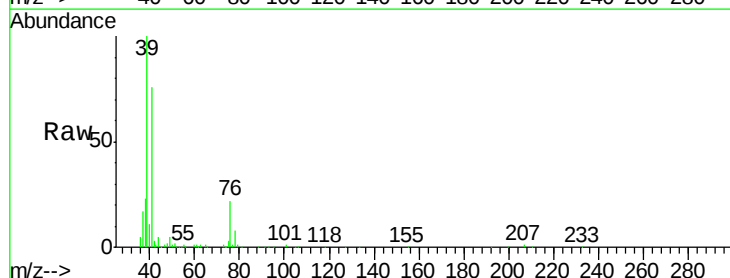
Tgt Ion: 41 Resp: 62110

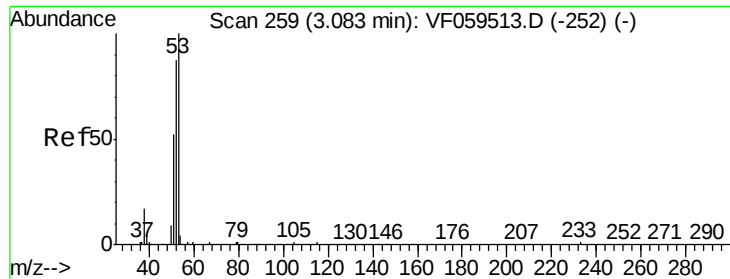
Ion Ratio Lower Upper

41 100

39 131.6 103.0 154.4

76 28.9 22.6 34.0





#15

Acrylonitrile

Concen: 97.81 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

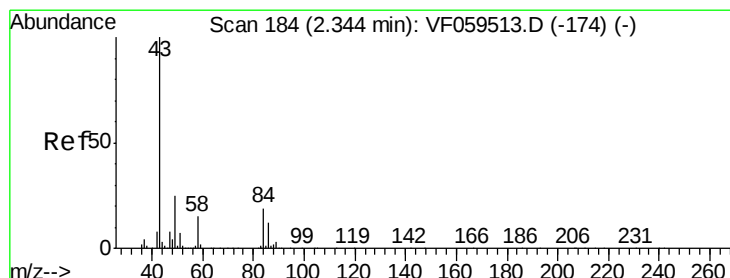
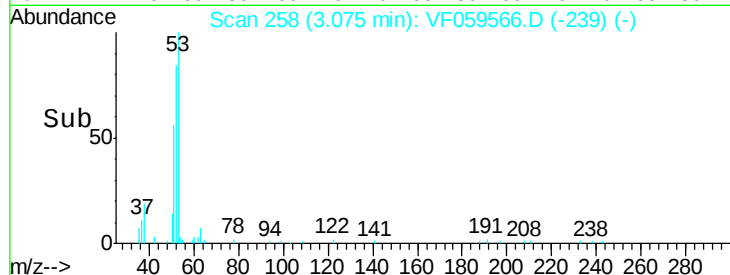
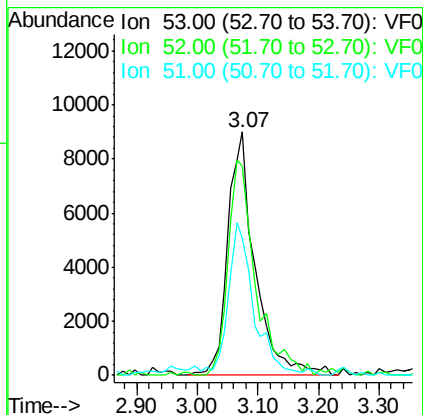
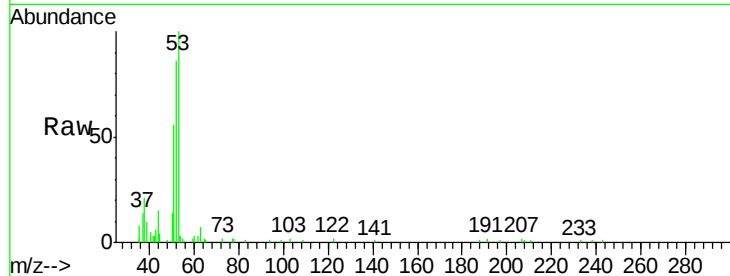
ClientSampleId :

VF0719SBS02

Tot Ion:	53	Resp:	28179
Ion Ratio		Lower	Upper
53	100		
52	85.6	70.1	105.1
51	56.2	42.5	63.7

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#16

Acetone

Concen: 103.55 ug/l

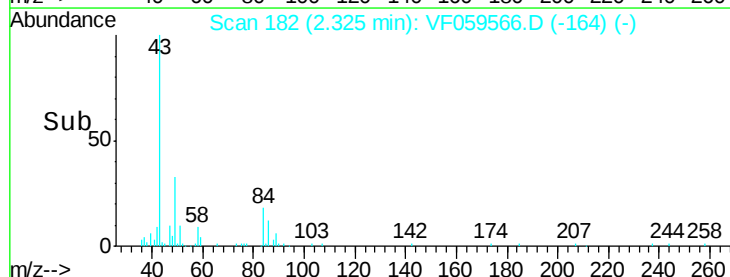
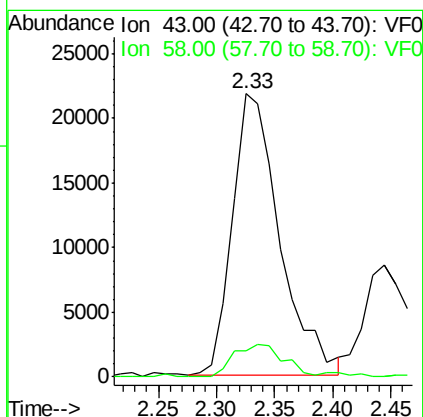
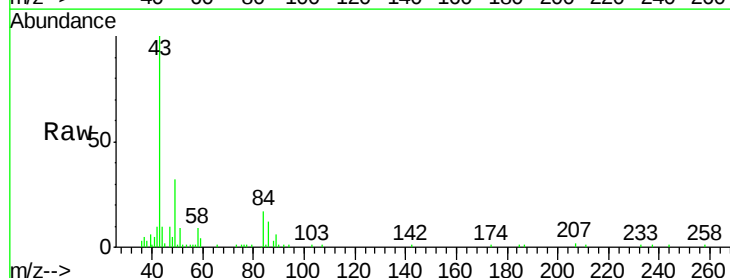
RT: 2.33 min Scan# 182

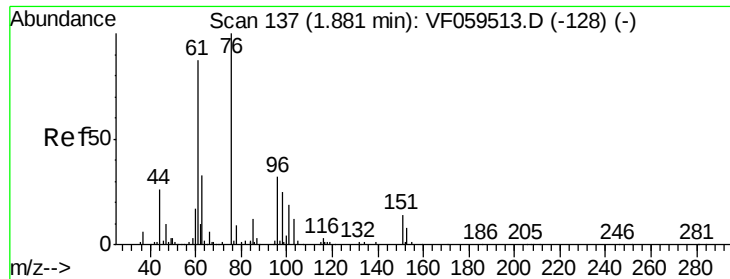
Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Tgt Ion:	43	Resp:	61387
Ion Ratio		Lower	Upper
43	100		
58	9.3	11.8	17.6#





#17

Carbon Disulfide

Concen: 23.06 ug/l m

RT: 1.86 min Scan# 135

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS02

Tot Ion: 76 Resp: 97522

Ion Ratio Lower Upper

76 100

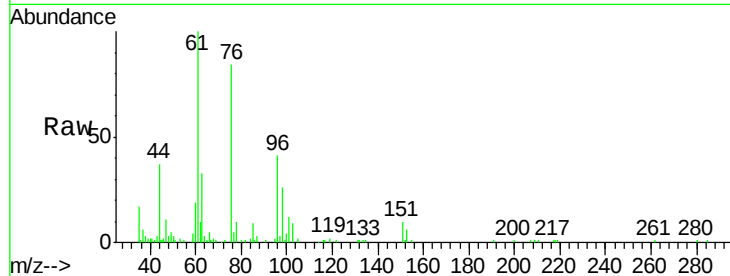
78 11.8 7.8 11.6#

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

20000

15000

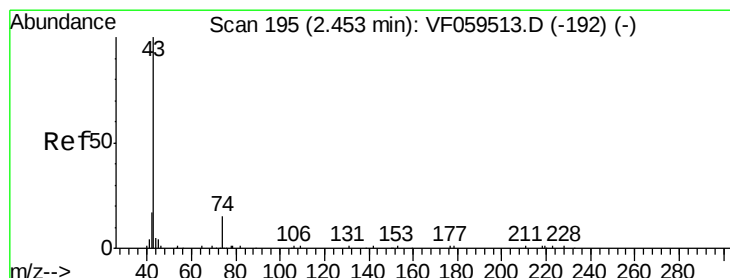
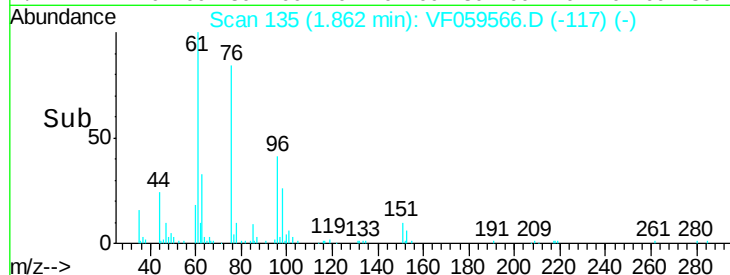
10000

5000

0

1.70 1.80 1.90 2.00 2.10

Time-->



#18

Methyl Acetate

Concen: 18.39 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF059566.D

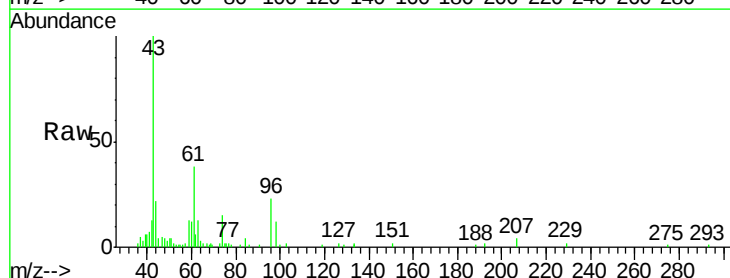
Acq: 19 Jul 2018 20:29

Tgt Ion: 43 Resp: 21295

Ion Ratio Lower Upper

43 100

74 14.8 10.6 15.8



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

15000

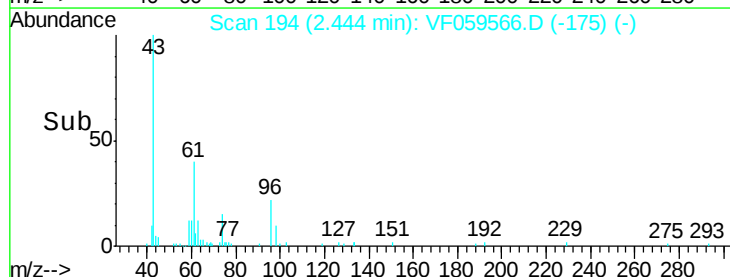
10000

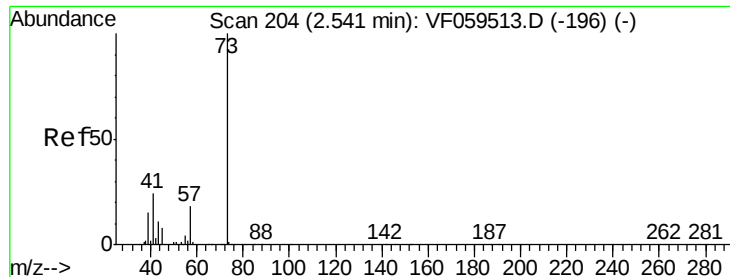
5000

0

2.40 2.45 2.50

Time-->





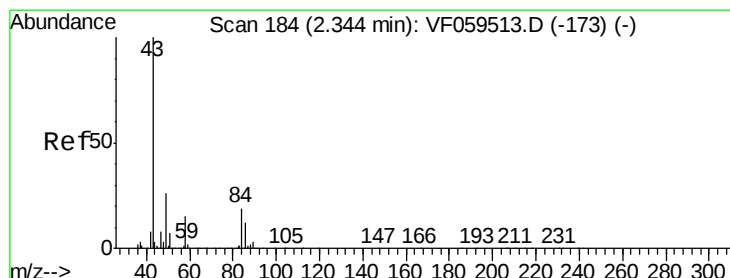
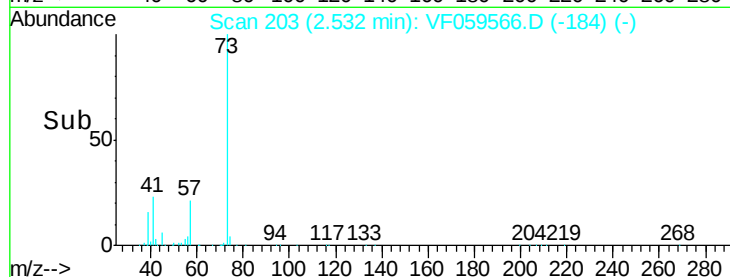
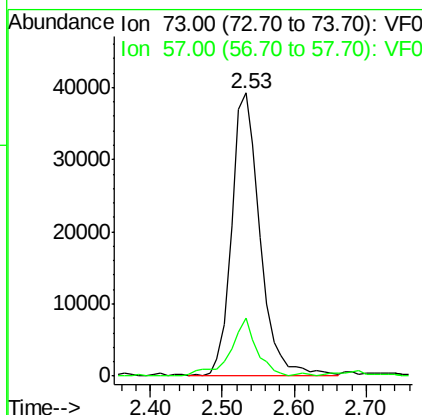
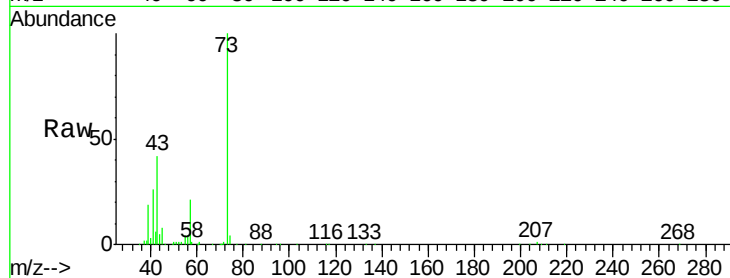
#19
Methvl tert-butvl Ether
Concen: 20.85 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	14.3	21.5

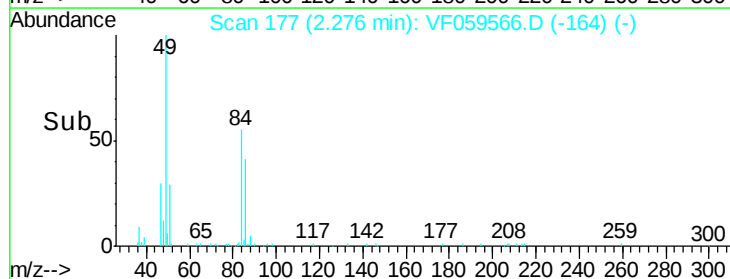
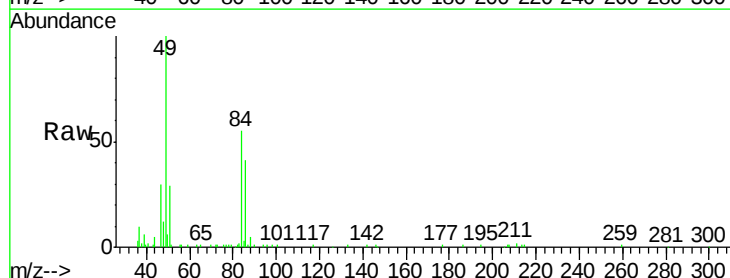
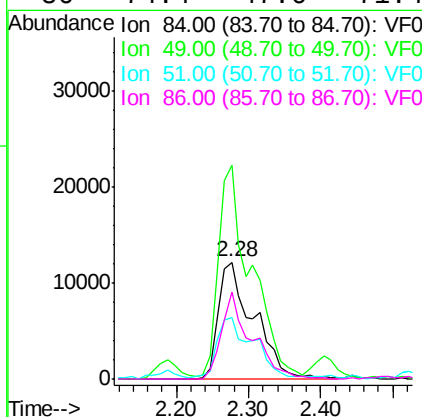
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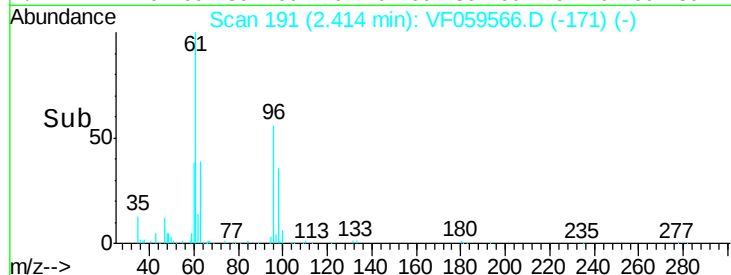
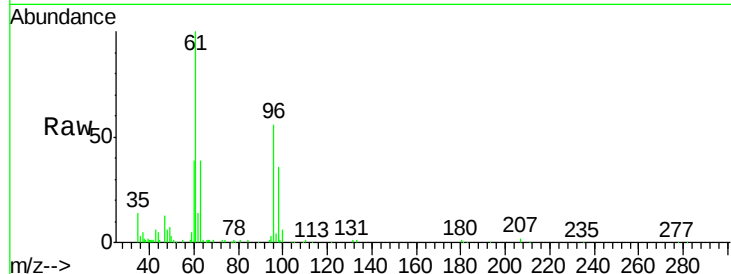
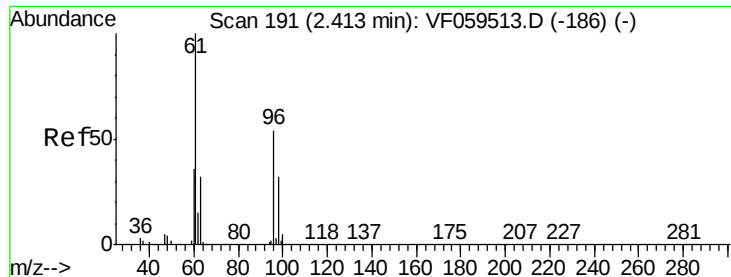
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#20
Methylene Chloride
Concen: 24.29 ug/l
RT: 2.28 min Scan# 177
Delta R.T. -0.07 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	183.1	109.4	164.2#
51	54.7	30.5	45.7#
86	74.4	47.6	71.4#





#21

trans-1,2-Dichloroethene

Concen: 24.76 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059566.D

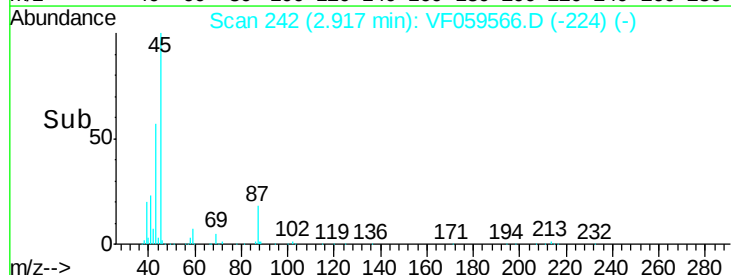
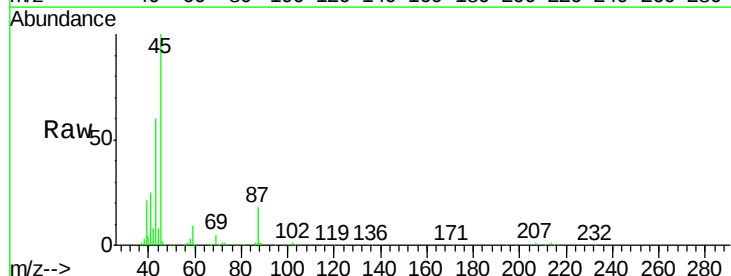
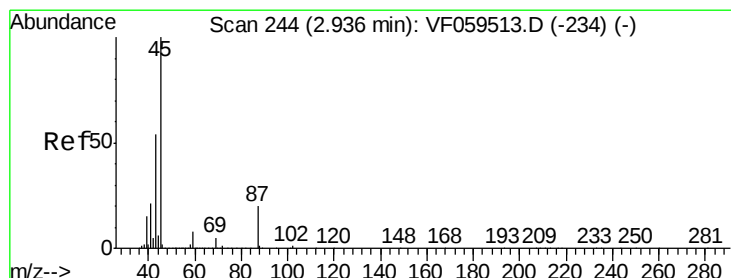
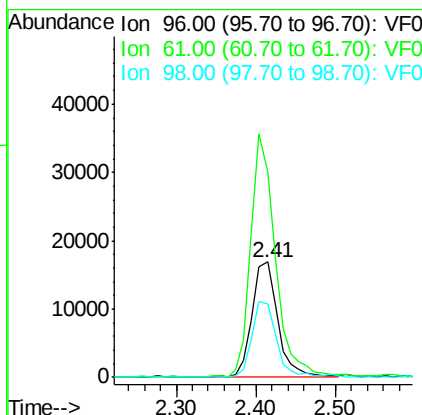
Acq: 19 Jul 2018 20:29

Tot Ion:	96	Resp:	37785
Ion	Ratio	Lower	Upper
96	100		
61	177.2	149.8	224.8
98	63.3	47.8	71.8

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS02

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#22

Diisopropyl ether

Concen: 20.97 ug/l

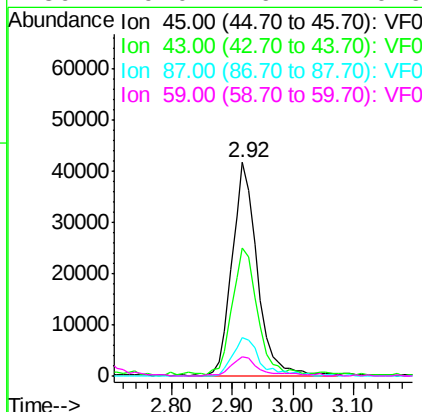
RT: 2.92 min Scan# 242

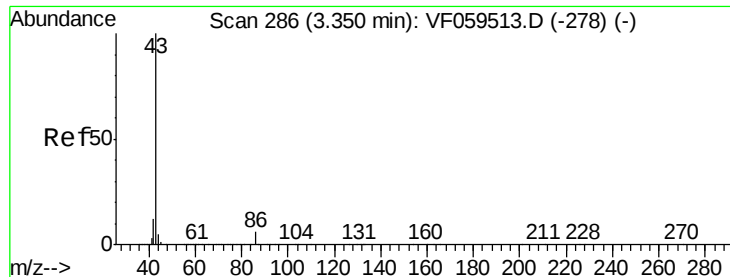
Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Tgt Ion:	45	Resp:	121412
Ion	Ratio	Lower	Upper
45	100		
43	59.8	43.6	65.4
87	17.7	15.6	23.4
59	9.0	6.4	9.6





#23

Vinyl Acetate

Concen: 103.48 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.03 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

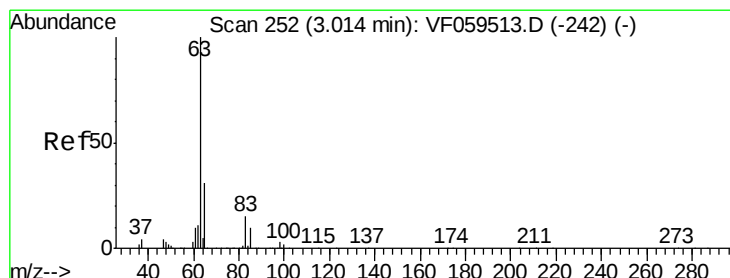
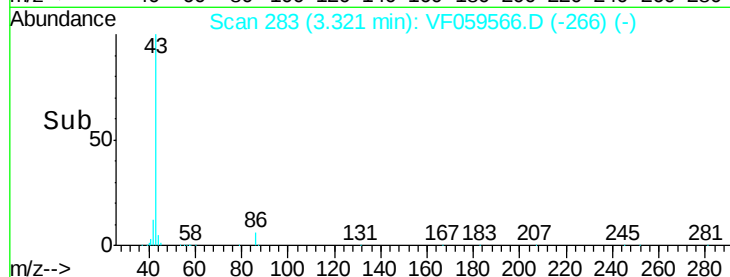
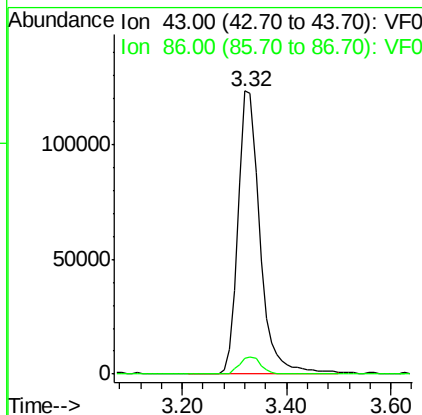
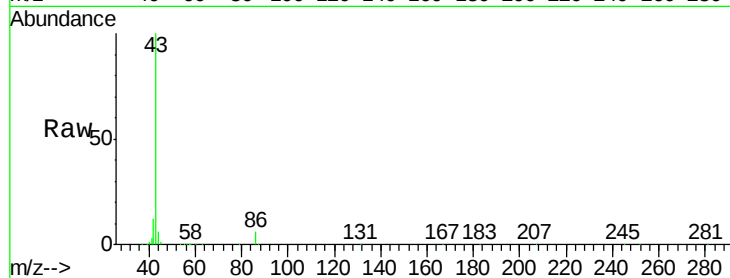
ClientSampleId :

VF0719SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
86	5.7	4.4	6.6

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#24

1,1-Dichloroethane

Concen: 25.35 ug/l

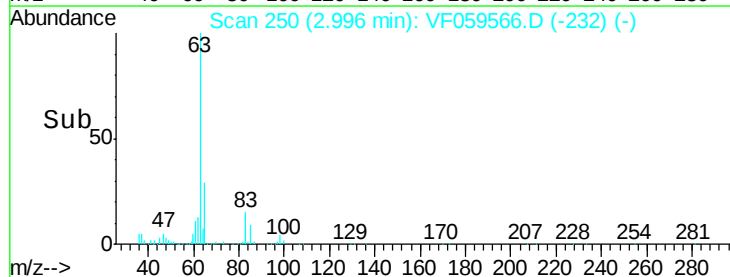
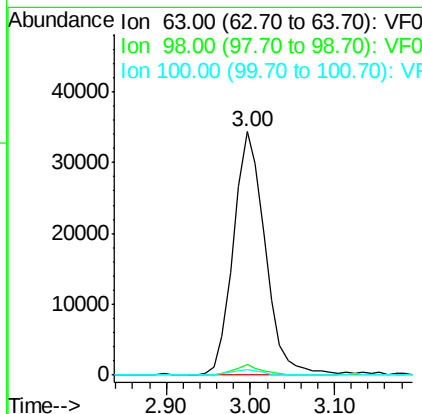
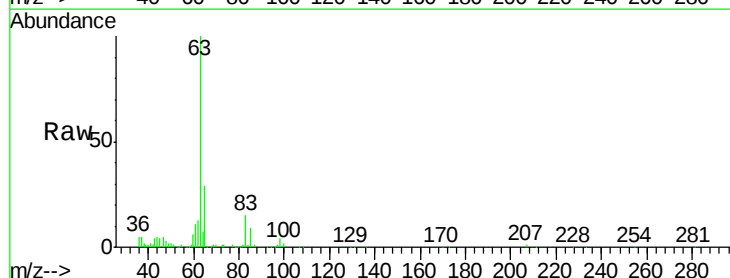
RT: 3.00 min Scan# 250

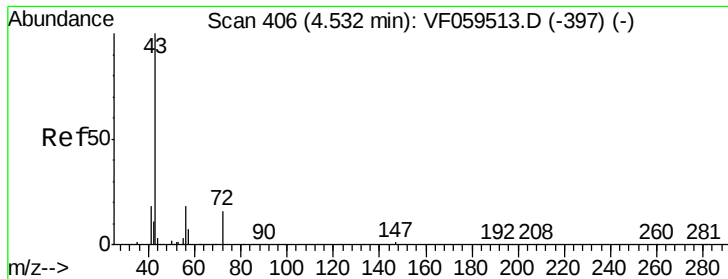
Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.2	1.8	5.4
100	2.0	1.3	3.8





#25

2-Butanone

Concen: 86.74 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.03 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS02

Tot Ion: 43 Resp: 69150

Ion Ratio Lower Upper

43 100

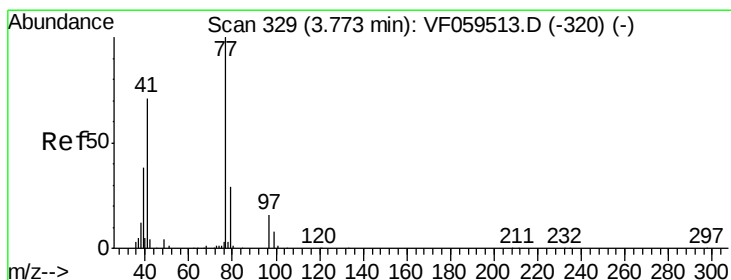
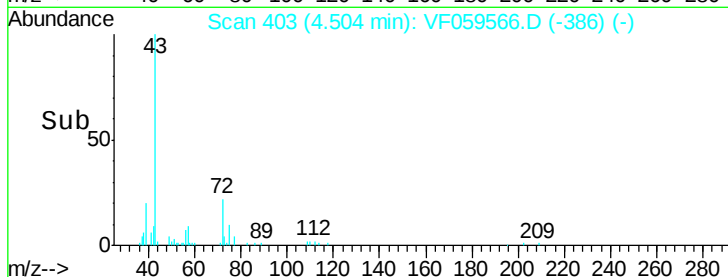
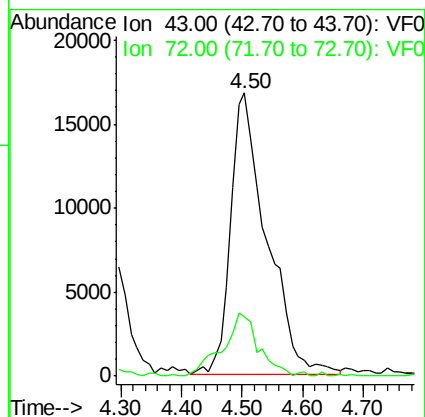
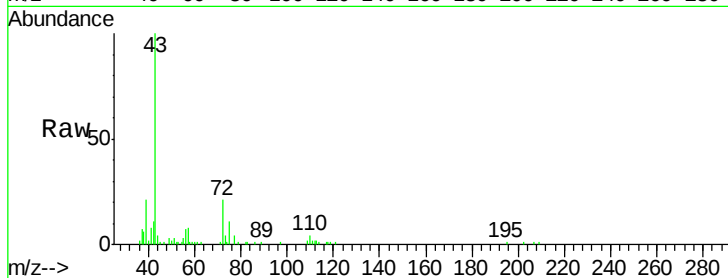
72 21.2 14.2 21.4

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#26

2,2-Dichloropropane

Concen: 28.45 ug/l

RT: 3.75 min Scan# 327

Delta R.T. -0.02 min

Lab File: VF059566.D

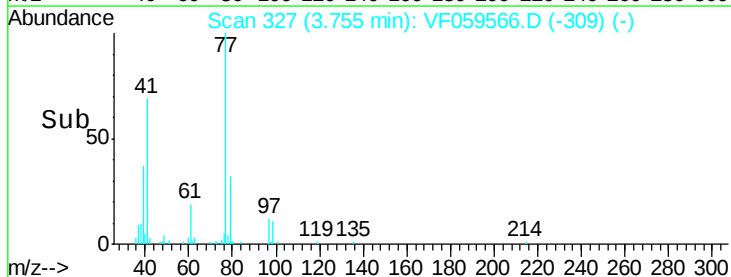
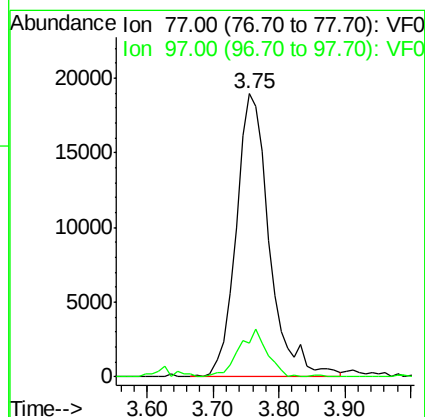
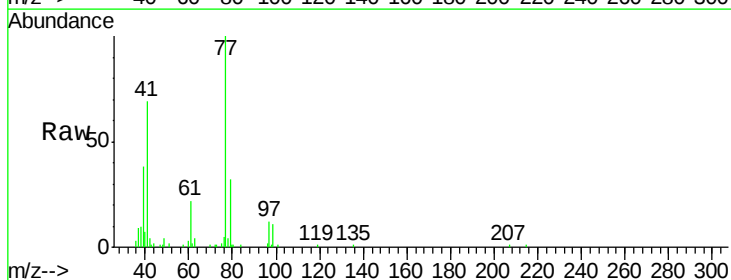
Acq: 19 Jul 2018 20:29

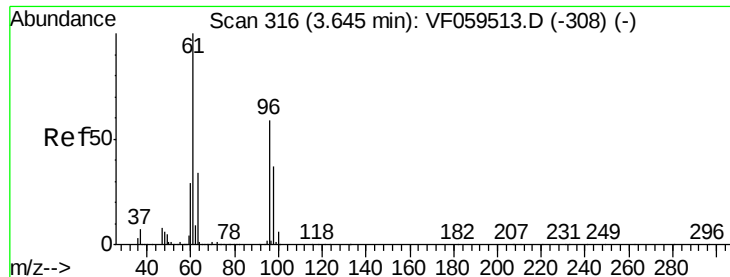
Tgt Ion: 77 Resp: 67307

Ion Ratio Lower Upper

77 100

97 12.0 8.1 24.3





#27

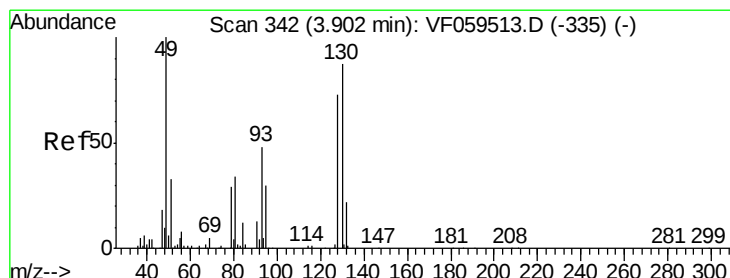
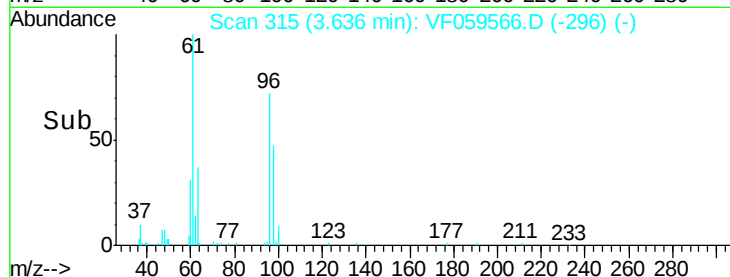
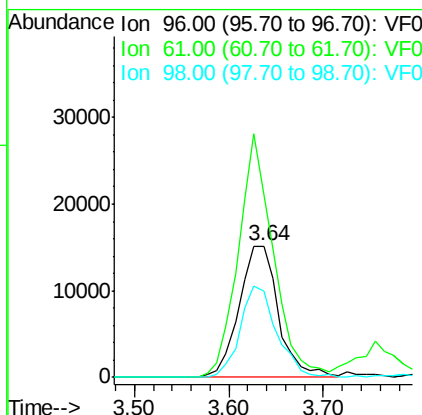
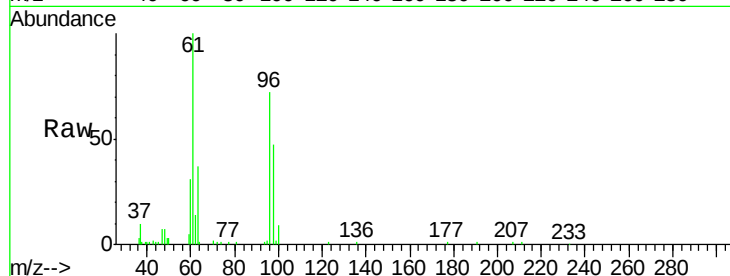
cis-1,2-Dichloroethene
 Concen: 24.79 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.3	0.0	339.0
98	65.6	0.0	125.4

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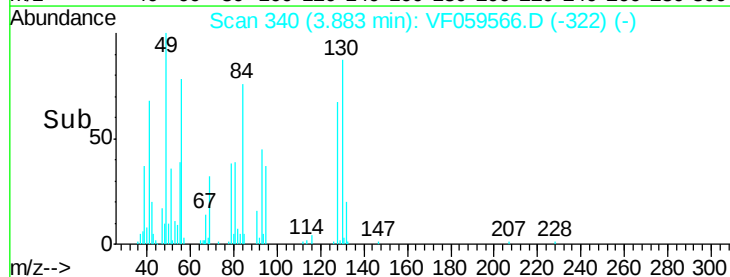
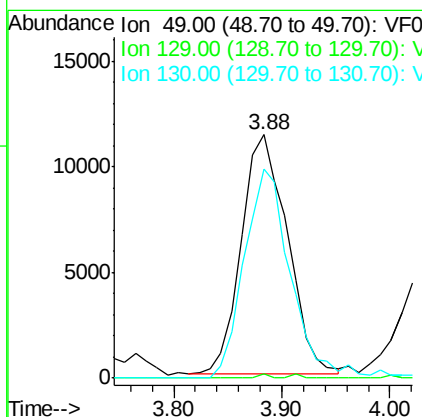
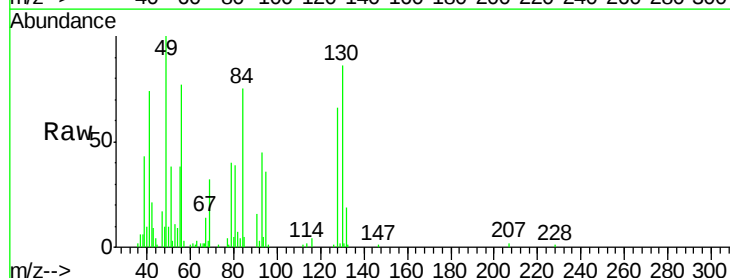
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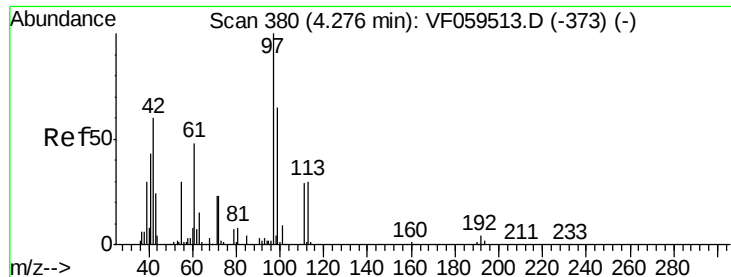


#28

Bromochloromethane
 Concen: 21.29 ug/l
 RT: 3.88 min Scan# 340
 Delta R.T. -0.02 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	0.0#
130	88.4	69.8	104.6





#29

Tetrahydrofuran

Concen: 83.57 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.03 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

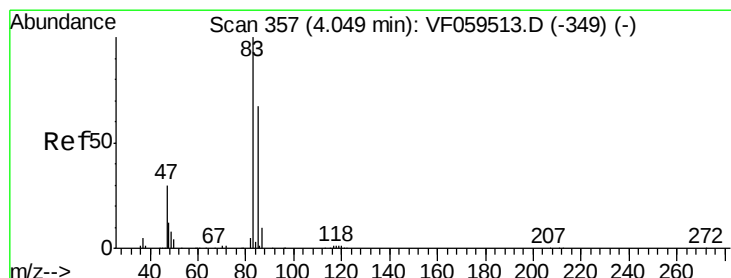
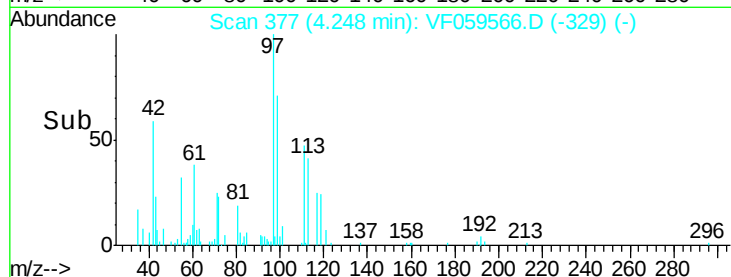
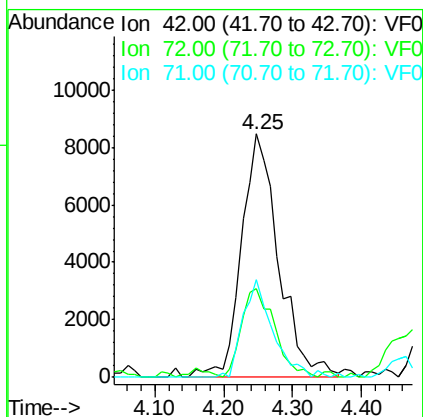
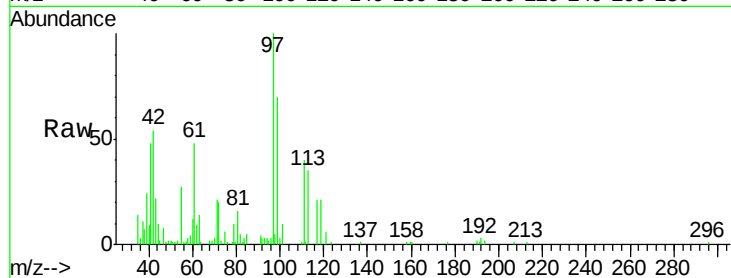
ClientSampleId :

VF0719SBS02

Tot Ion:	42	Resp:	31732
Ion Ratio	Lower	Upper	
42	100		
72	32.6	28.7	43.1
71	32.4	30.8	46.2

Manual Integrations
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#30

Chloroform

Concen: 23.64 ug/l

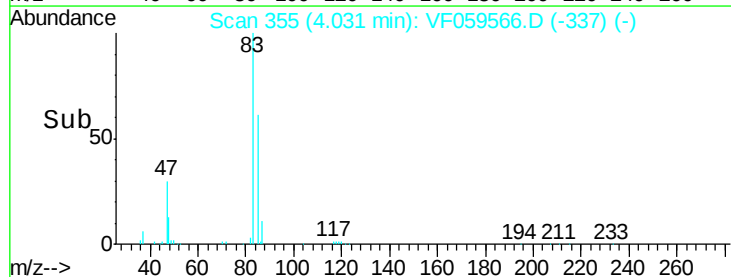
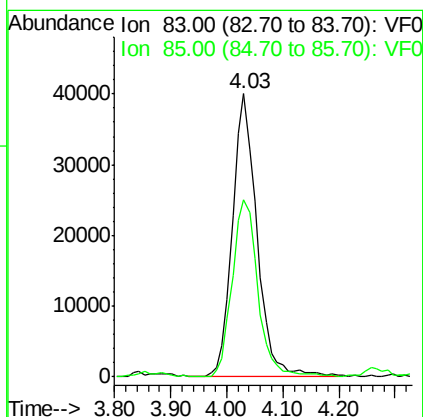
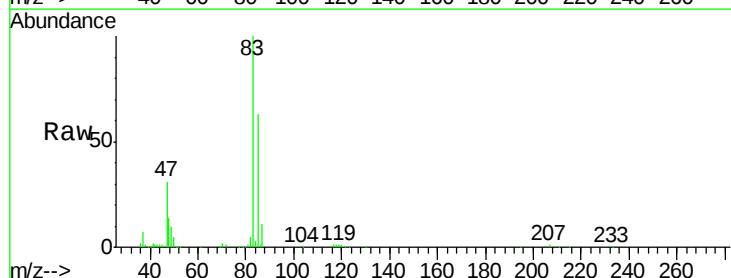
RT: 4.03 min Scan# 355

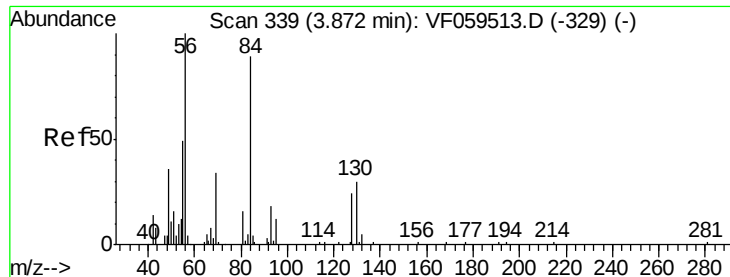
Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Tgt Ion:	83	Resp:	122107
Ion Ratio	Lower	Upper	
83	100		
85	62.8	53.2	79.8





#31

Cyclohexane

Concen: 25.65 ug/l

RT: 3.86 min Scan# 338

Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

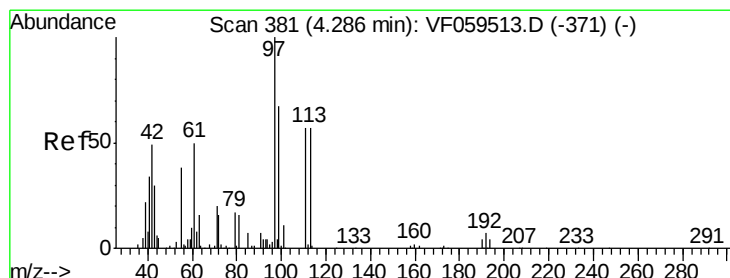
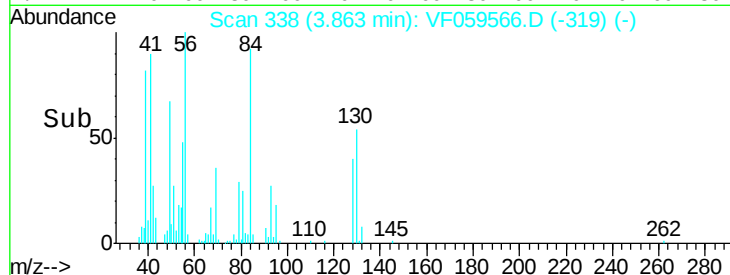
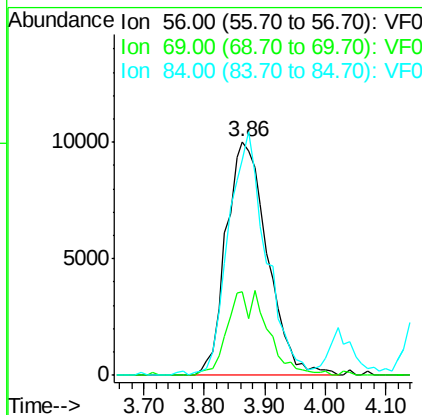
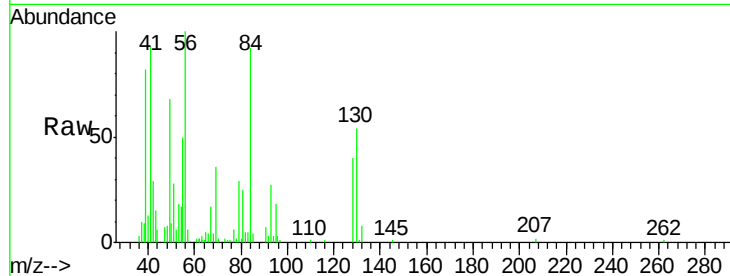
ClientSampleId :

VF0719SBS02

Tot Ion:	56	Resp:	47498
Ion	Ratio	Lower	Upper
56	100		
69	35.8	27.6	41.4
84	92.2	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 31.36 ug/l

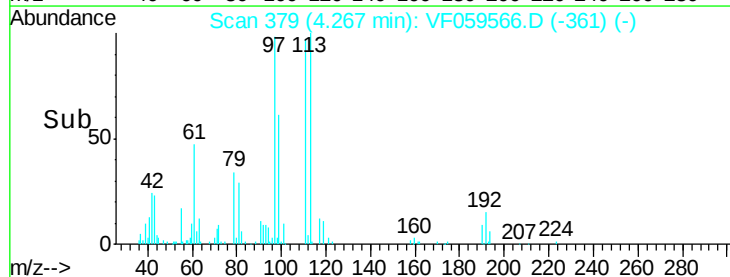
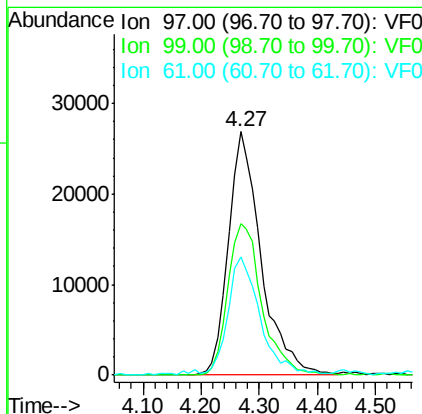
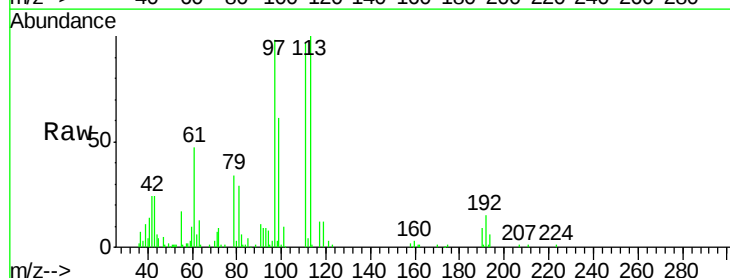
RT: 4.27 min Scan# 379

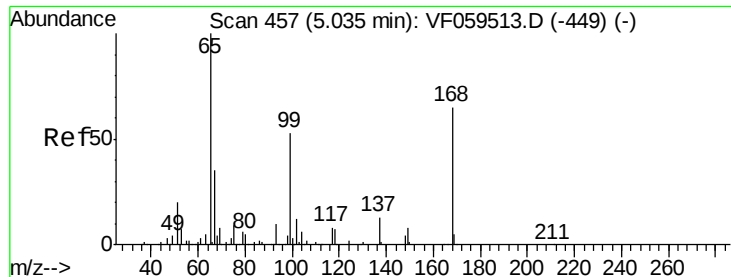
Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Tgt Ion:	97	Resp:	105263
Ion	Ratio	Lower	Upper
97	100		
99	62.2	53.5	80.3
61	48.3	39.7	59.5





#33

1,2-Dichloroethane-d4

Concen: 54.16 ug/l

RT: 5.02 min Scan# 455

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Tot Ion: 65 Resp: 185981

Ion Ratio Lower Upper

65 100

67 41.4 0.0 91.2

Instrument :

MSVOA_F

ClientSampleId :

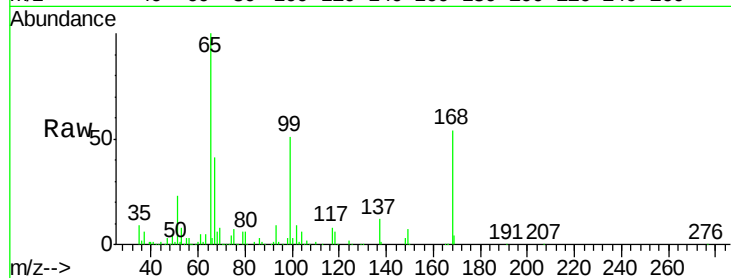
VF0719SBS02

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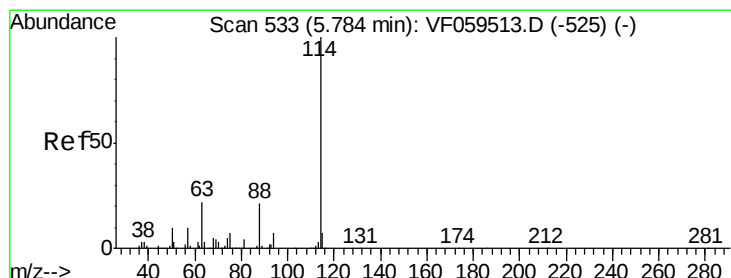
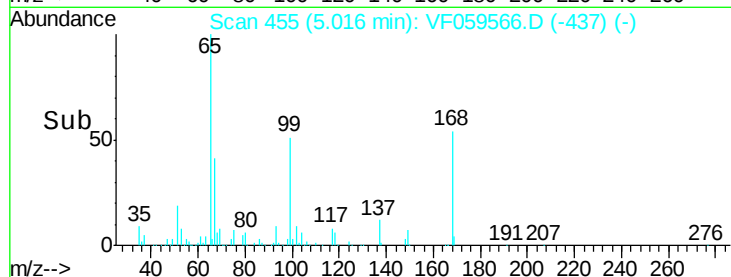
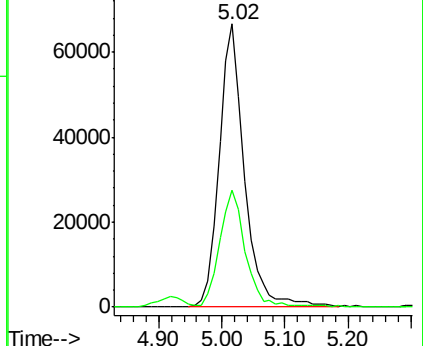
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.77 min Scan# 531

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

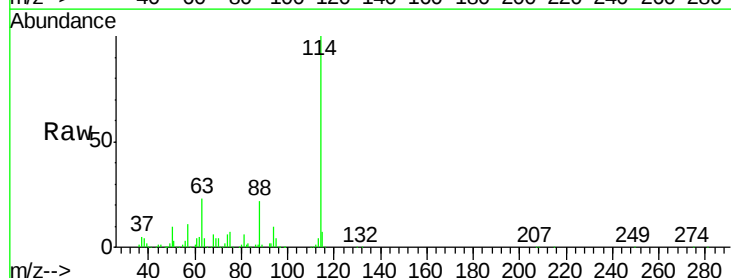
Tgt Ion: 114 Resp: 314866

Ion Ratio Lower Upper

114 100

63 23.4 0.0 44.8

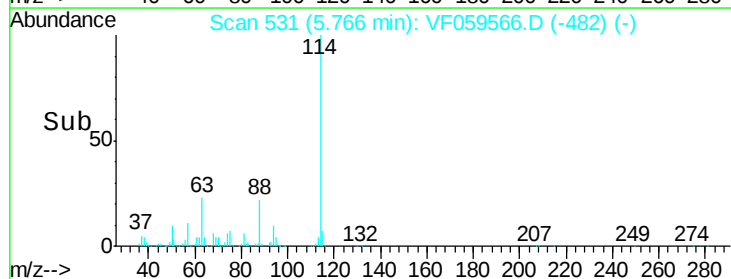
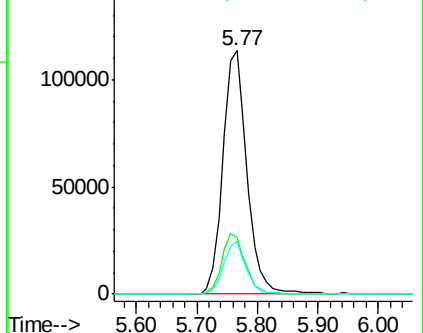
88 21.7 0.0 42.6

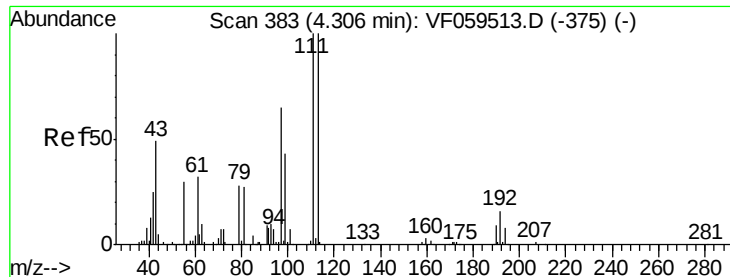


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 54.97 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

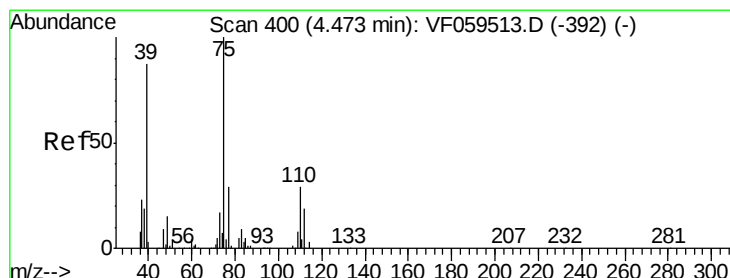
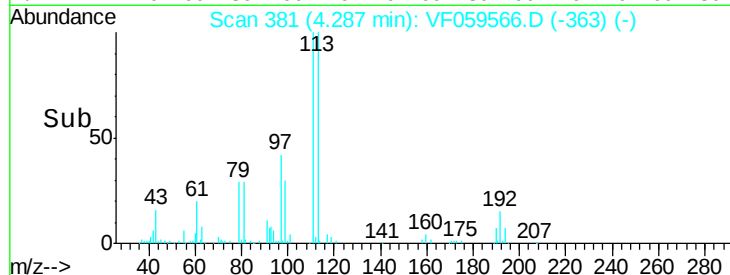
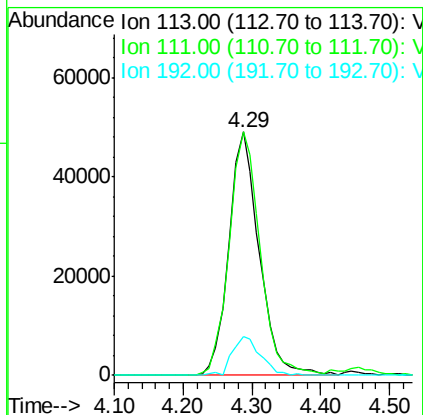
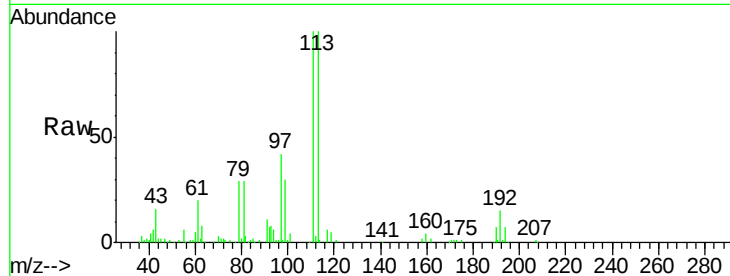
ClientSampleId :

VF0719SBS02

Tot Ion:	113	Resp:	149898
Ion Ratio	Lower	Upper	
113	100		
111	100.0	80.3	120.5
192	15.9	13.1	19.7

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#36

1,1-Dichloropropene

Concen: 23.50 ug/l

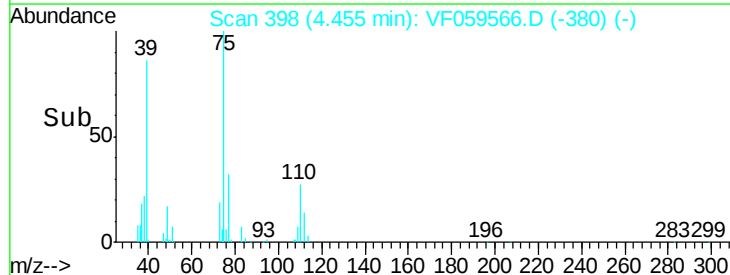
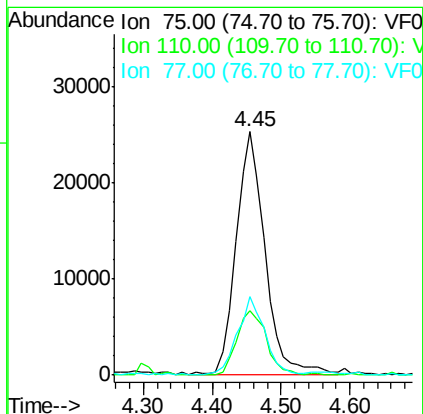
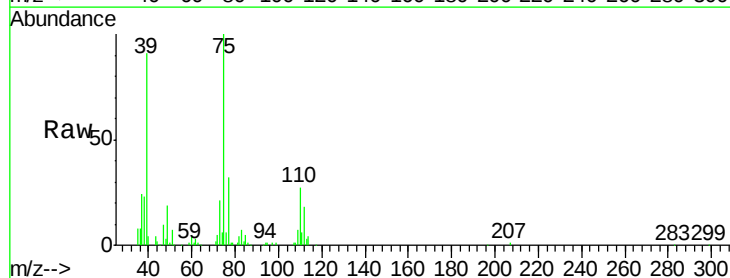
RT: 4.45 min Scan# 398

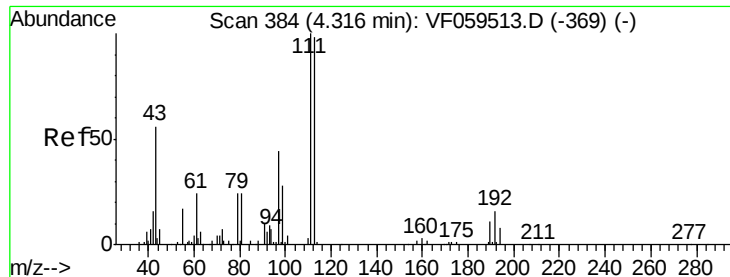
Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Tgt Ion:	75	Resp:	74055
Ion Ratio	Lower	Upper	
75	100		
110	26.6	14.6	43.8
77	32.3	23.7	35.5





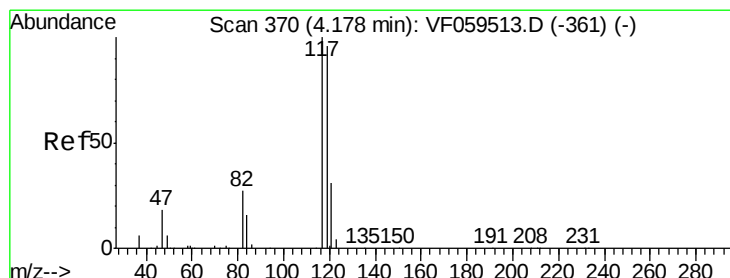
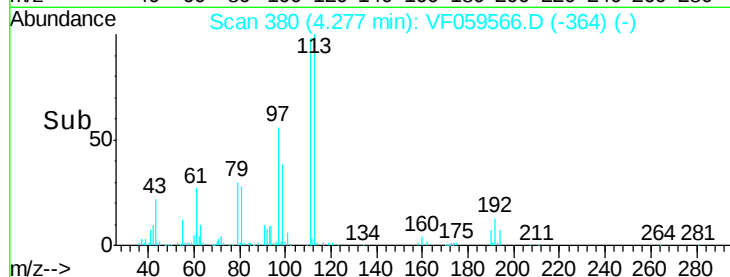
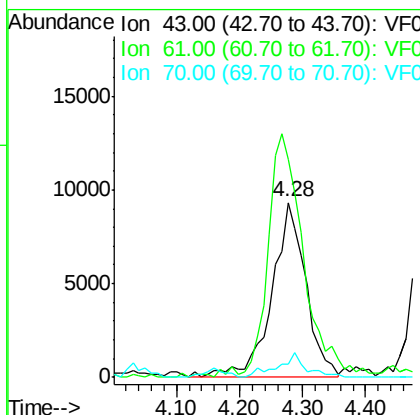
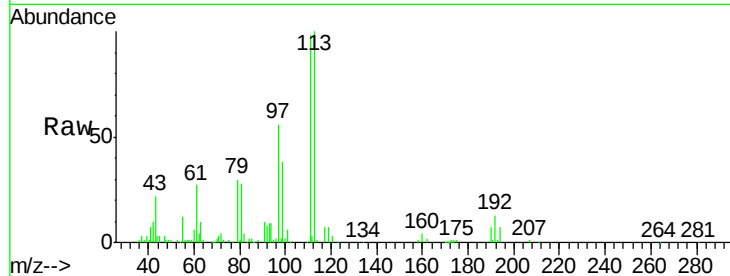
#37
Ethyl Acetate
Concen: 16.71 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.04 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	124.8	33.7	50.5#
70	7.9	7.4	11.0

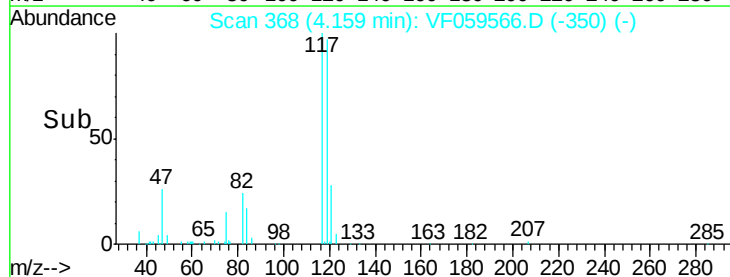
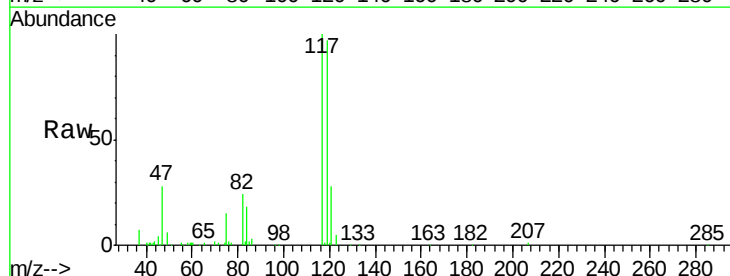
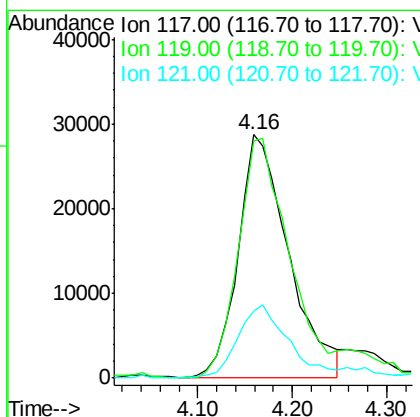
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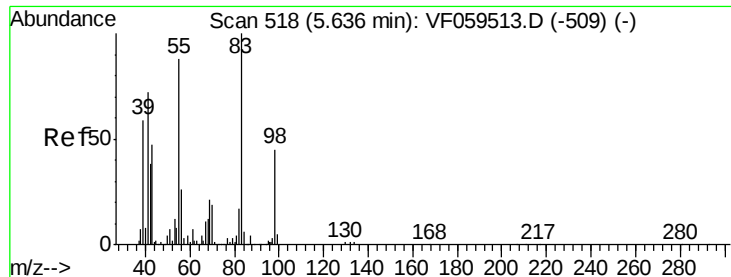
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#38
Carbon Tetrachloride
Concen: 29.71 ug/l m
RT: 4.16 min Scan# 368
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.6	116.4
121	27.6	24.9	37.3





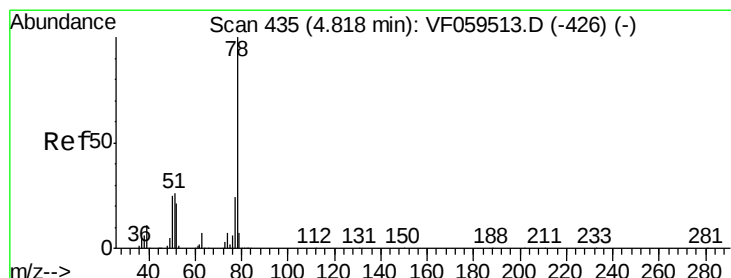
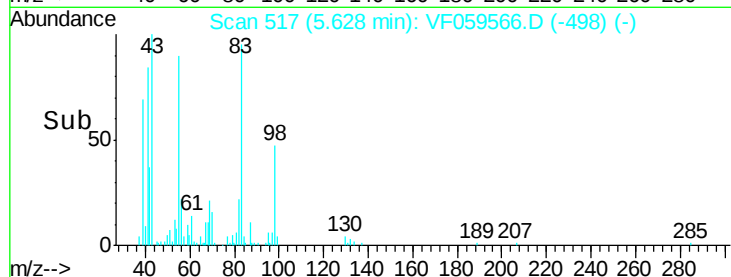
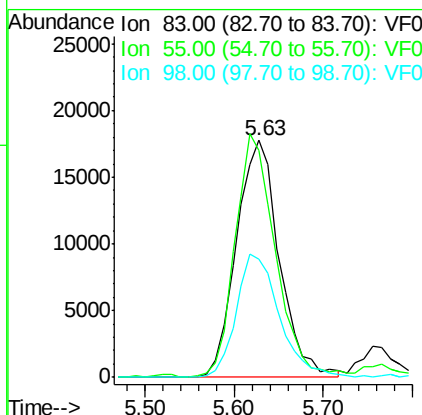
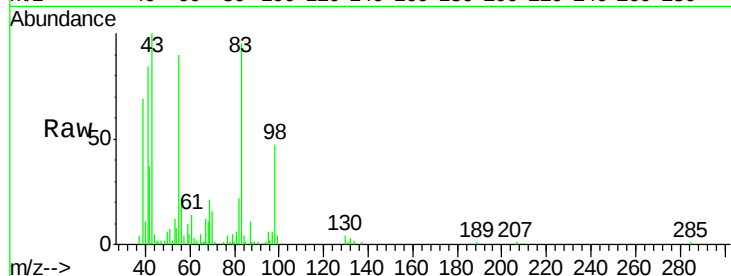
#39
Methvlcvclohexane
Concen: 24.76 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.5	70.2	105.4
98	49.7	36.2	54.2

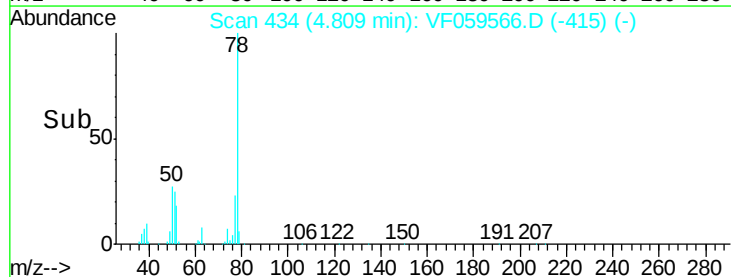
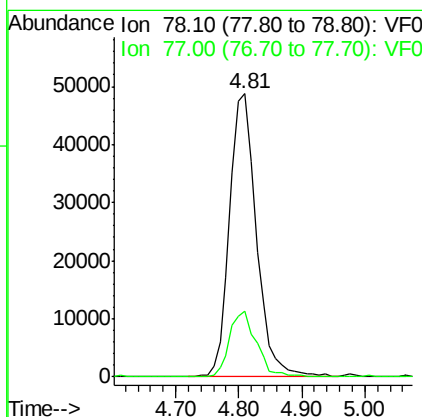
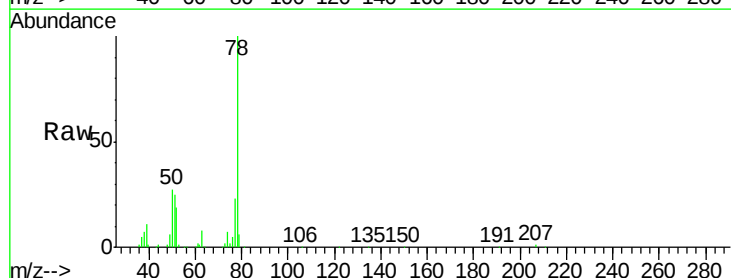
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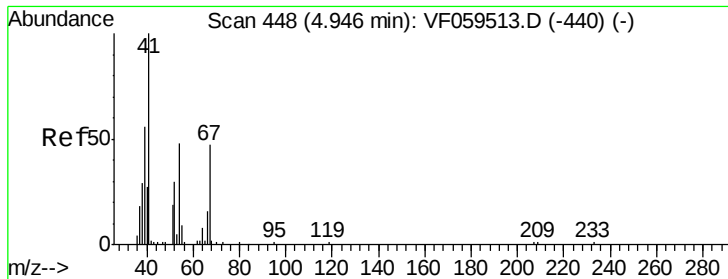
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#40
Benzene
Concen: 23.54 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.4	29.0





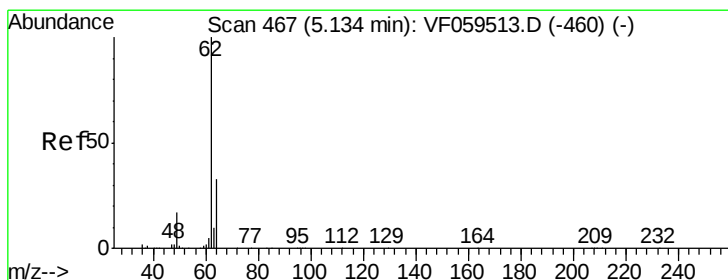
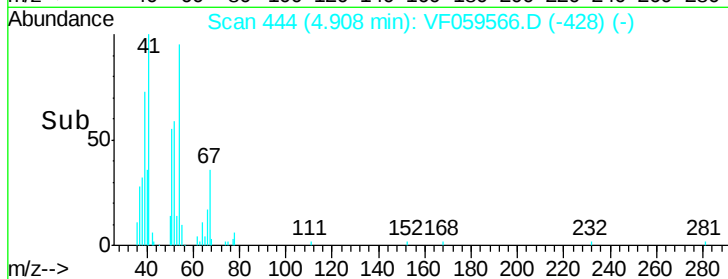
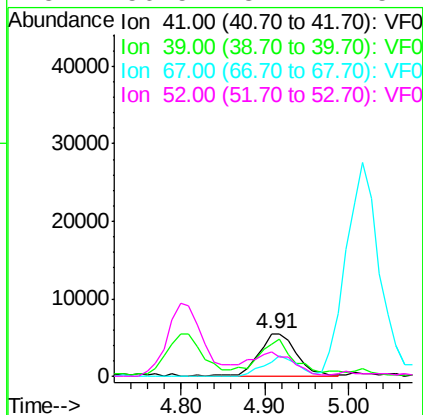
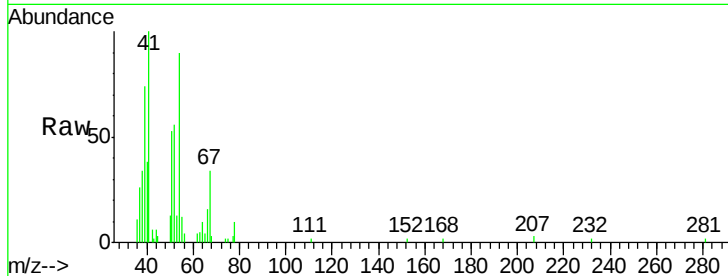
#41
Methacrylonitrile
Concen: 19.30 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.04 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.3	49.4	74.0#
67	34.4	37.4	56.2#
52	56.5	32.1	48.1#

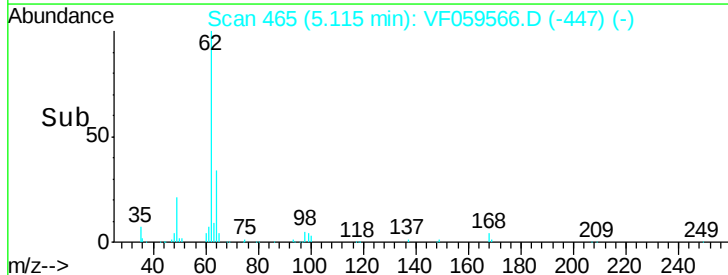
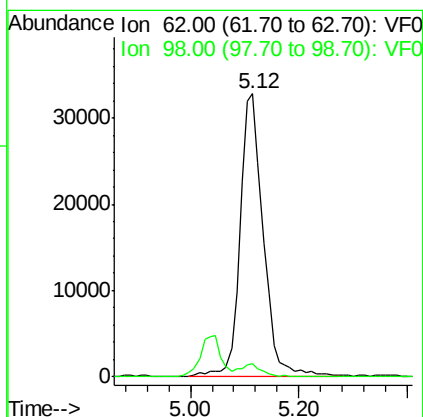
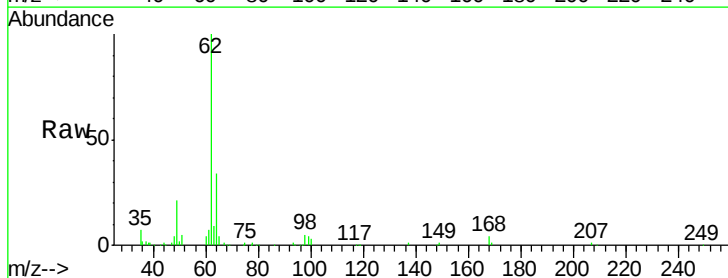
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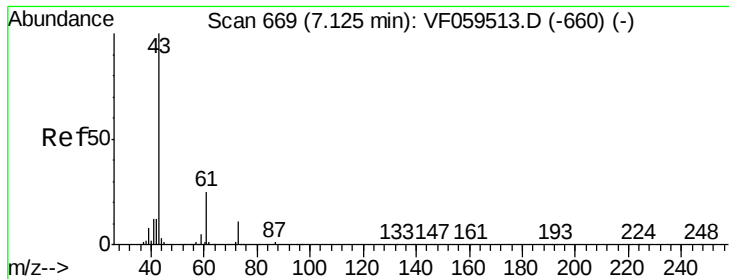
apatel
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#42
1,2-Dichloroethane
Concen: 24.54 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.5	0.0	9.6





#43

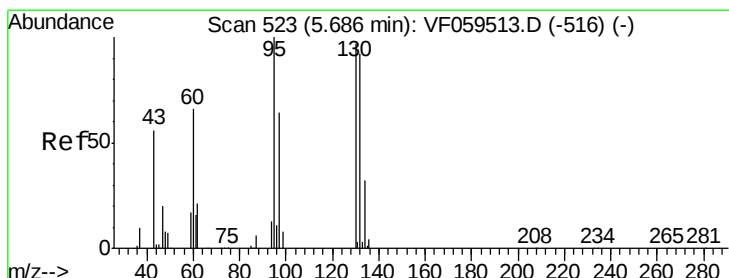
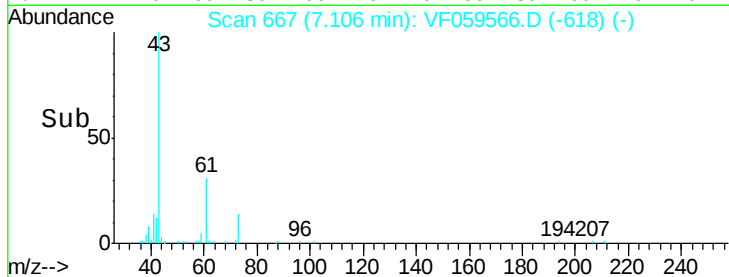
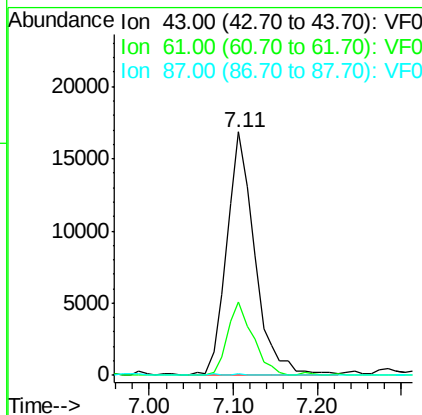
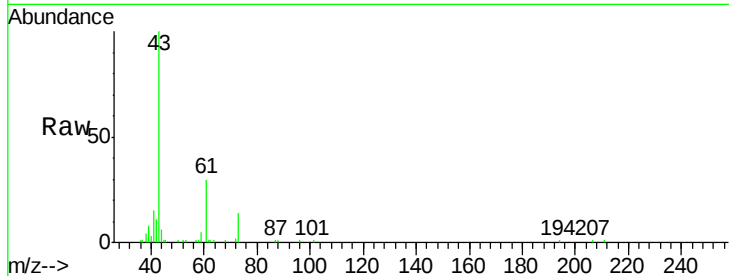
Isopropyl Acetate
 Concen: 17.34 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.2	20.3	30.5
87	0.9	0.4	0.6

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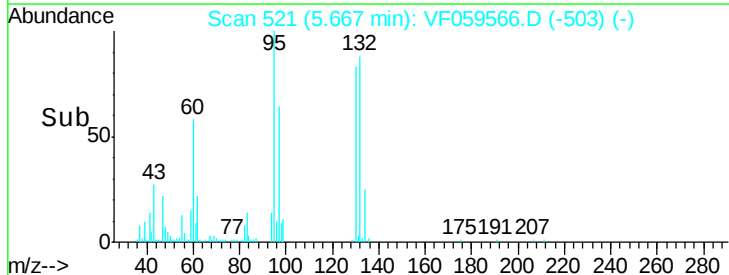
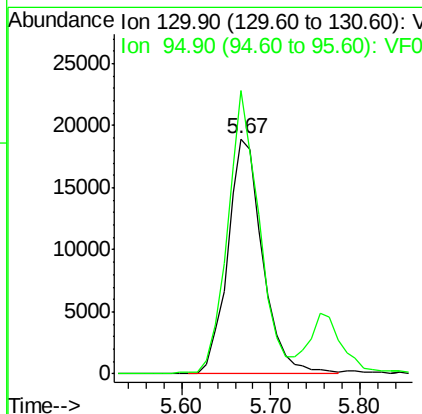
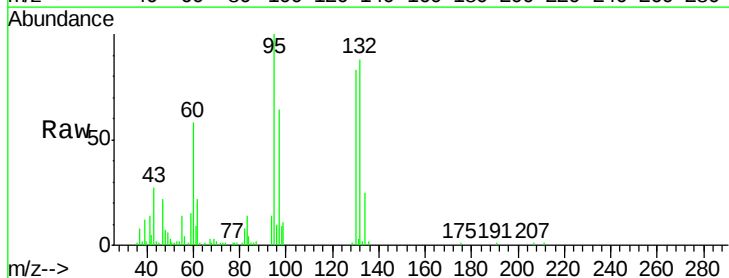
apatel
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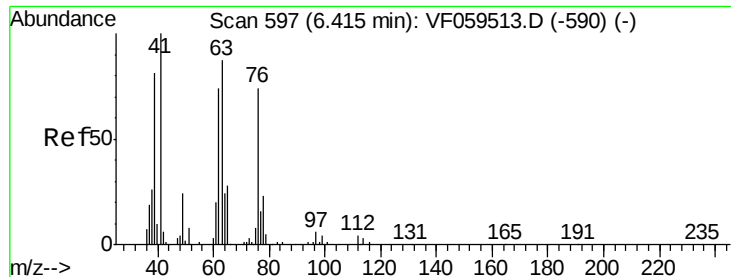


#44

Trichloroethene
 Concen: 22.94 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	120.4	0.0	206.6





#45

1,2-Dichloropropane

Concen: 21.89 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS02

Tot Ion: 63 Resp: 37155

Ion Ratio Lower Upper

63 100

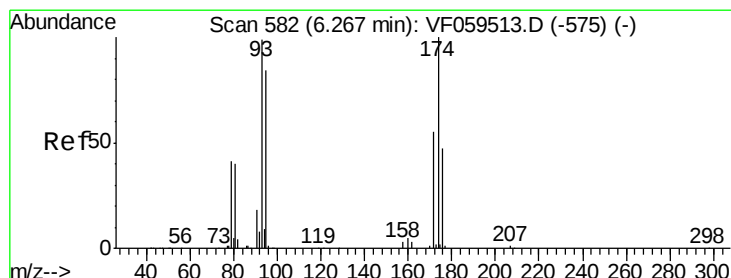
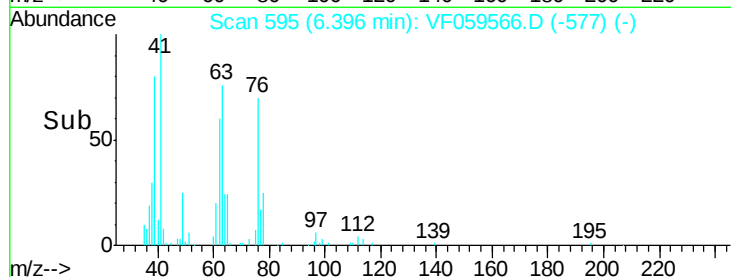
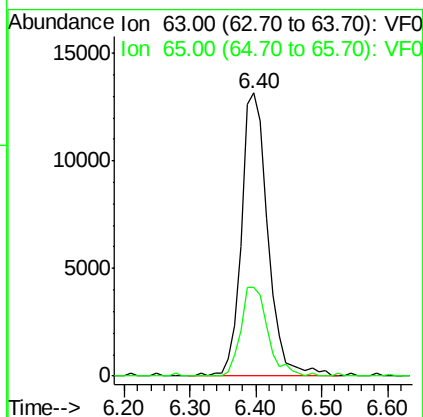
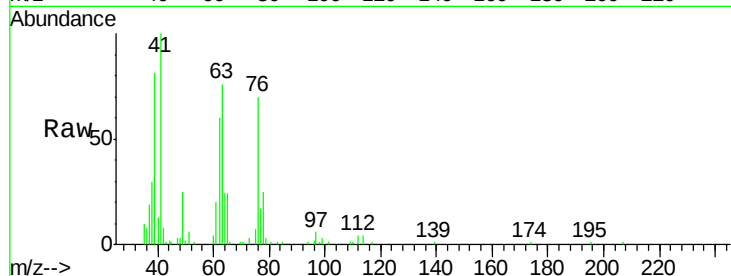
65 31.4 26.1 39.1

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#46

Dibromomethane

Concen: 22.80 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

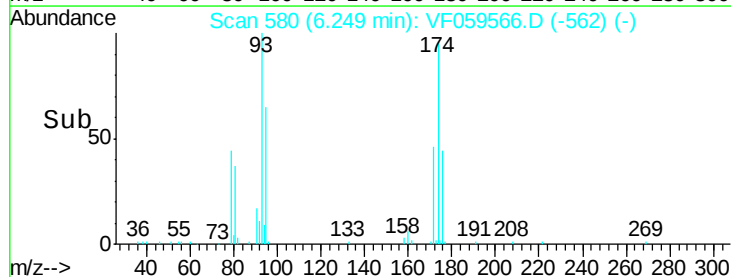
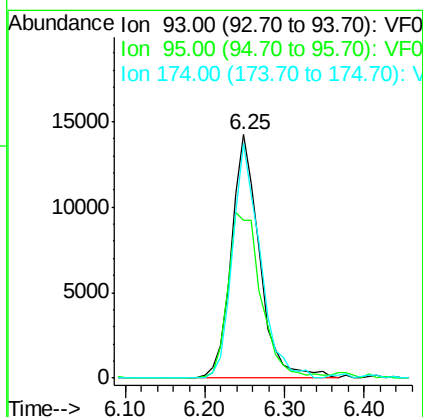
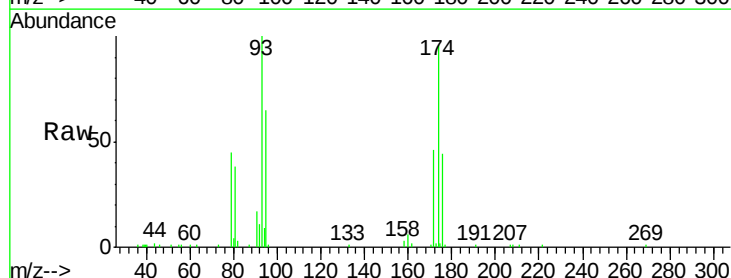
Tgt Ion: 93 Resp: 35241

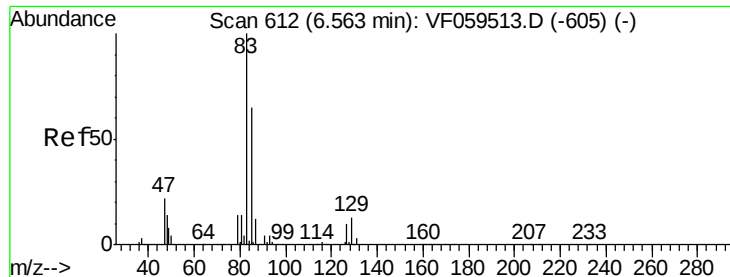
Ion Ratio Lower Upper

93 100

95 65.1 68.3 102.5#

174 96.4 81.2 121.8





#47

Bromodichloromethane

Concen: 24.62 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

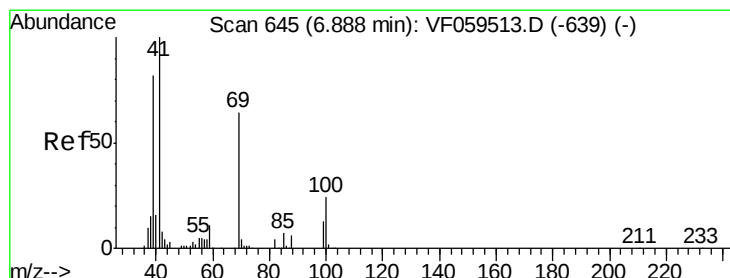
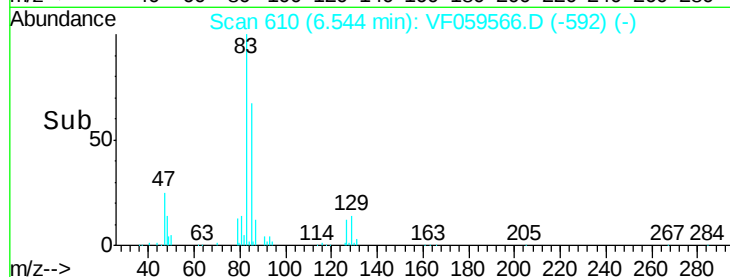
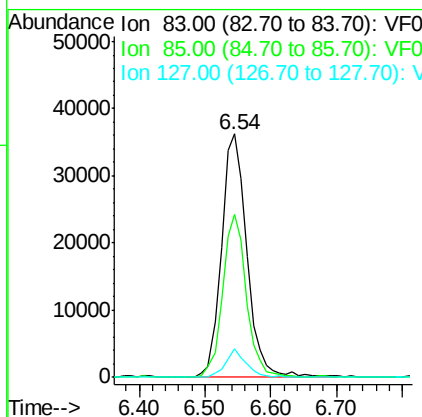
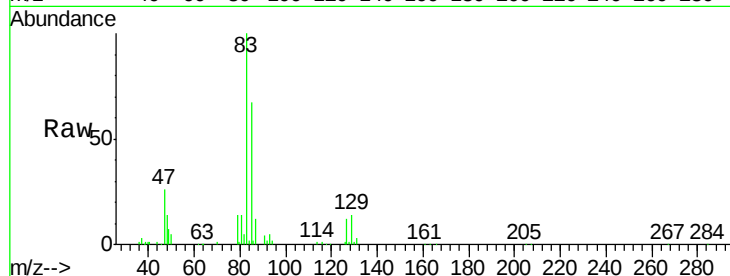
ClientSampleId :

VF0719SBS02

Tot Ion:	83	Resp:	97949
Ion	Ratio	Lower	Upper
83	100		
85	67.0	52.4	78.6
127	11.5	8.2	12.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.37 ug/l

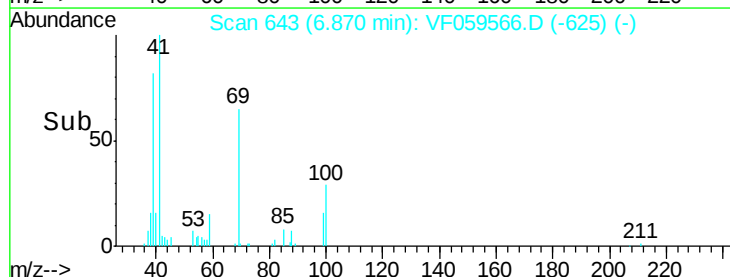
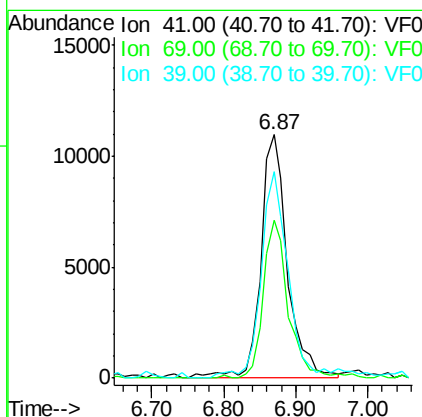
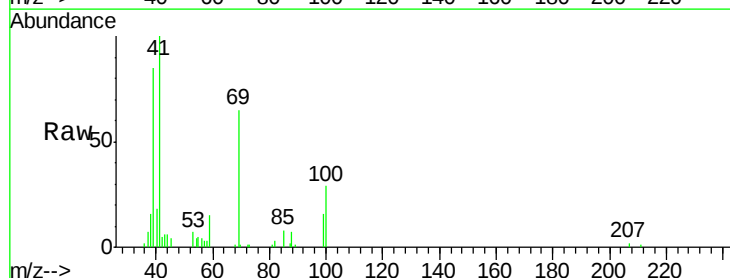
RT: 6.87 min Scan# 643

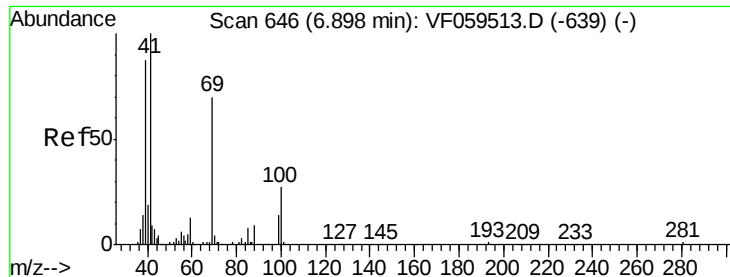
Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Tgt Ion:	41	Resp:	28090
Ion	Ratio	Lower	Upper
41	100		
69	64.7	51.3	76.9
39	84.8	65.3	97.9





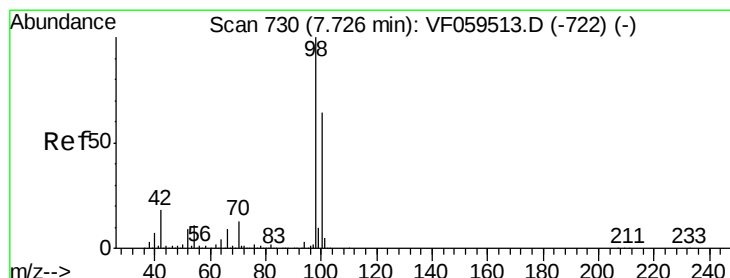
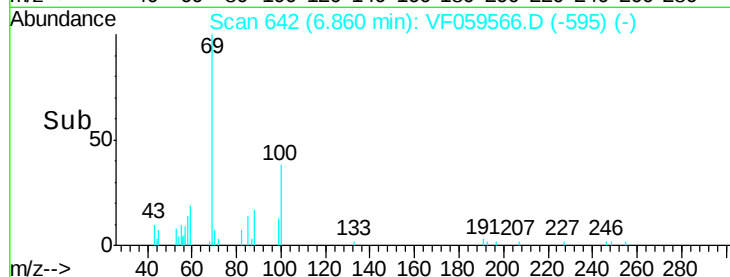
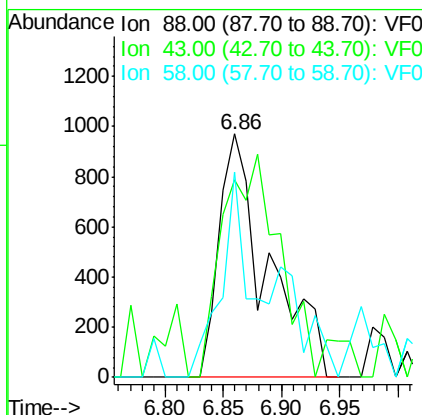
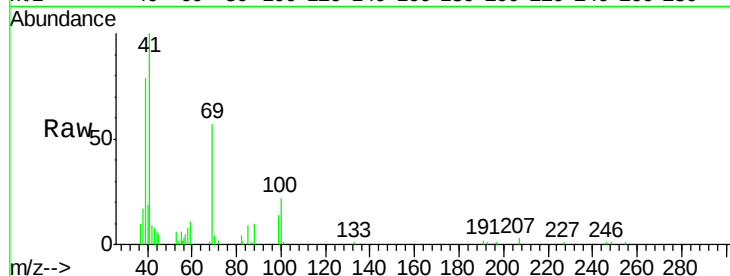
#49
1,4-Dioxane
Concen: 345.95 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.04 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	81.4	64.8	97.2
58	84.0	44.1	66.1#

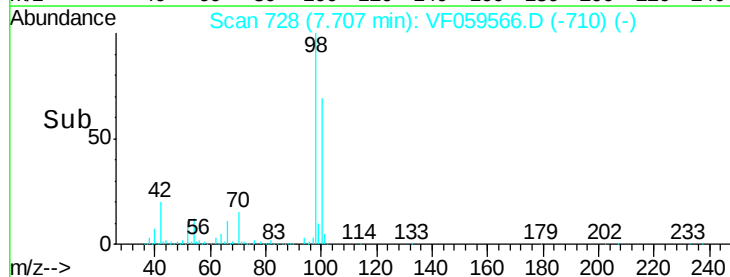
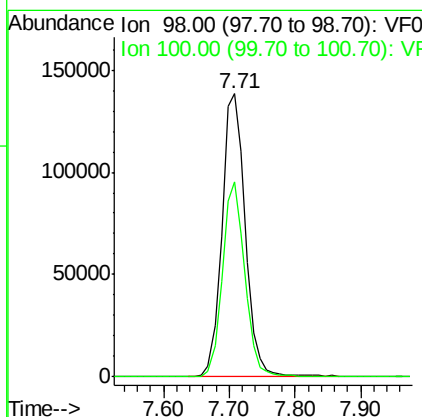
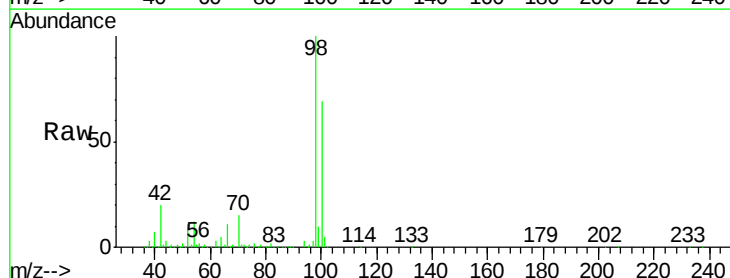
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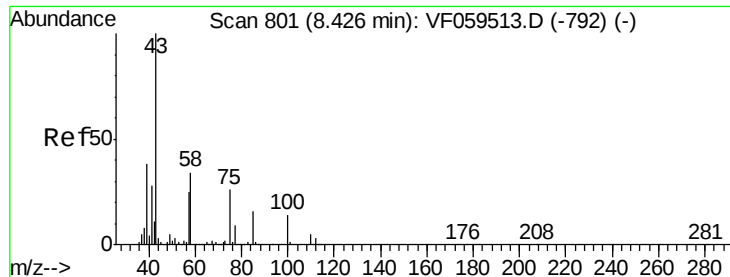
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#50
Toluene-d8
Concen: 49.96 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.0	50.9	76.3





#51

4-Methyl-2-Pentanone

Concen: 90.80 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.03 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS02

Tot Ion: 43 Resp: 145769

Ion Ratio Lower Upper

43 100

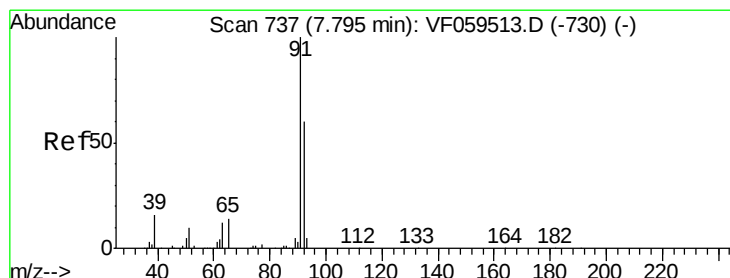
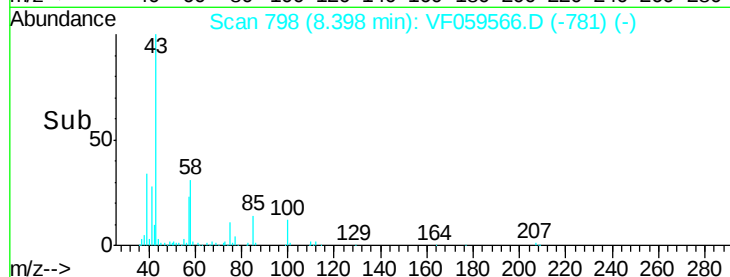
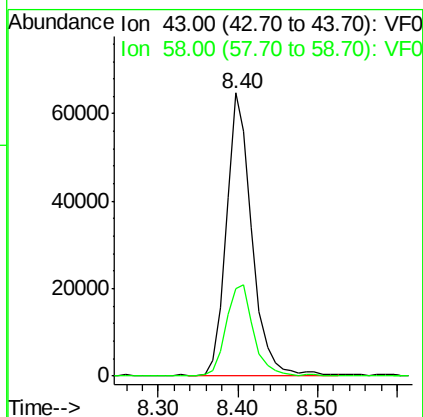
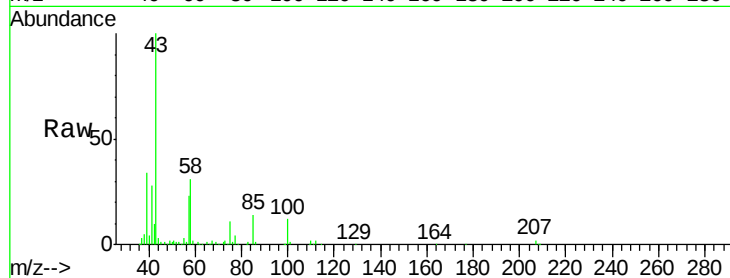
58 30.9 27.4 41.2

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#52

Toluene

Concen: 22.63 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF059566.D

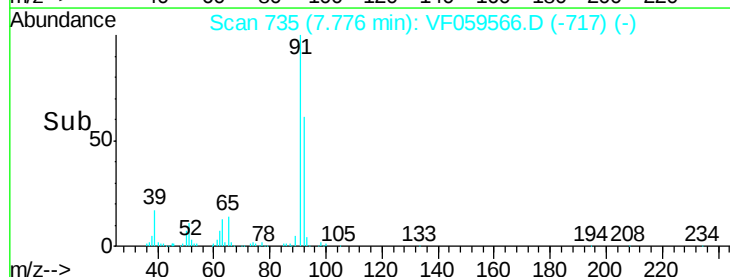
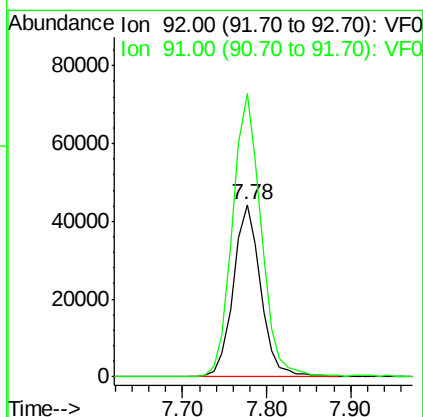
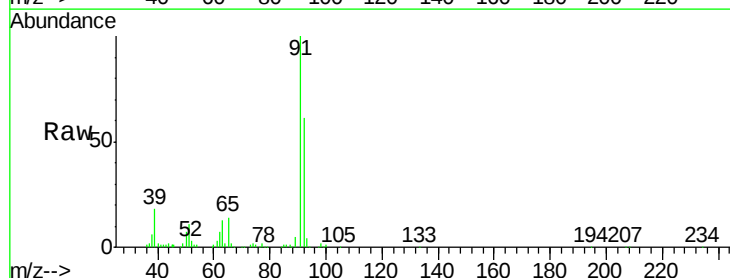
Acq: 19 Jul 2018 20:29

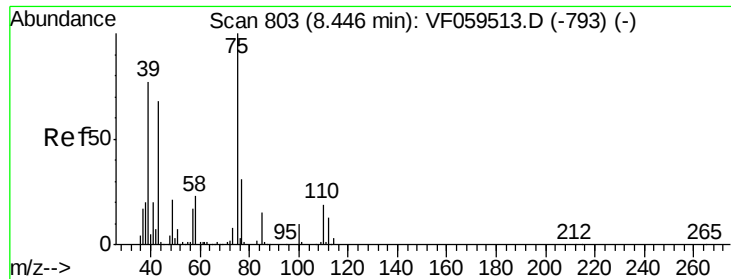
Tgt Ion: 92 Resp: 100366

Ion Ratio Lower Upper

92 100

91 164.0 134.2 201.4





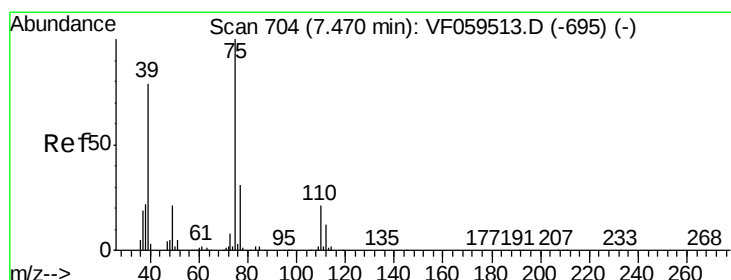
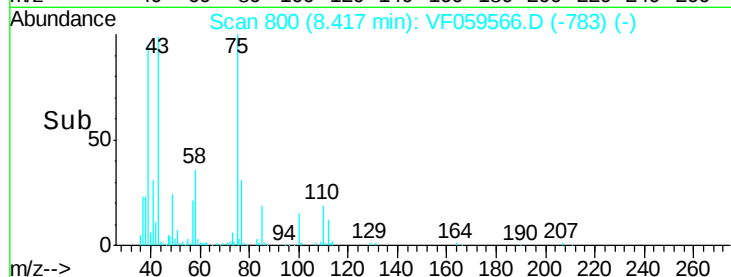
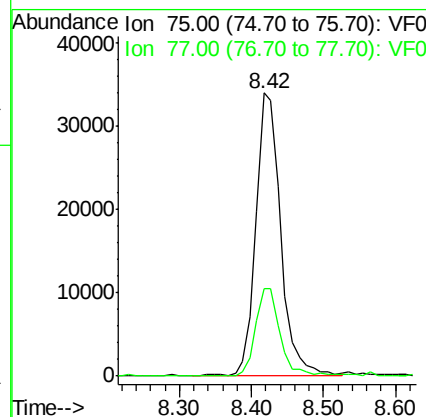
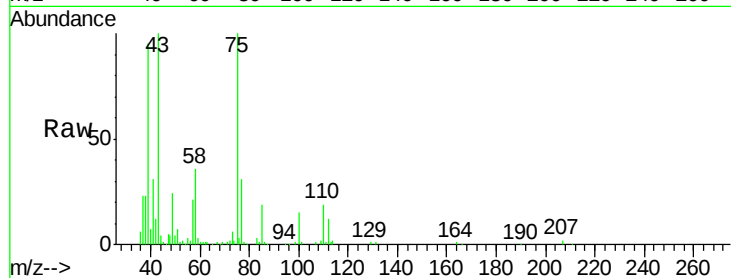
#53
 t-1,3-Dichloropropene
 Concen: 22.55 ug/l
 RT: 8.42 min Scan# 800
 Delta R.T. -0.03 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS02

Tot Ion: 75 Resp: 82513
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.3 37.9

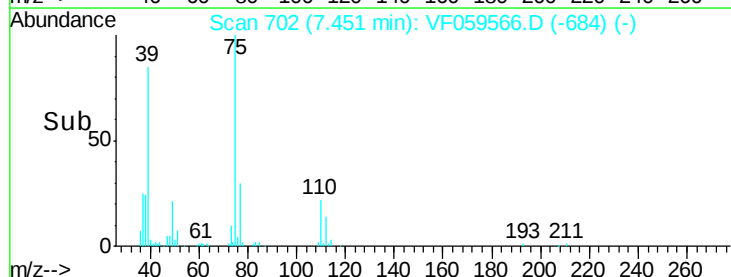
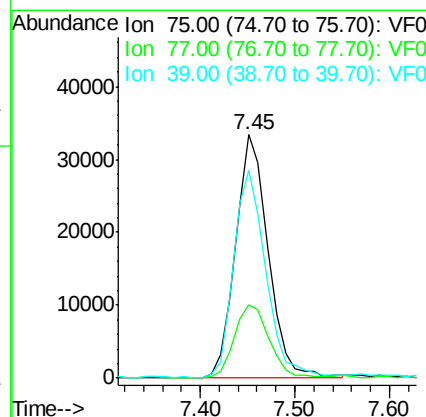
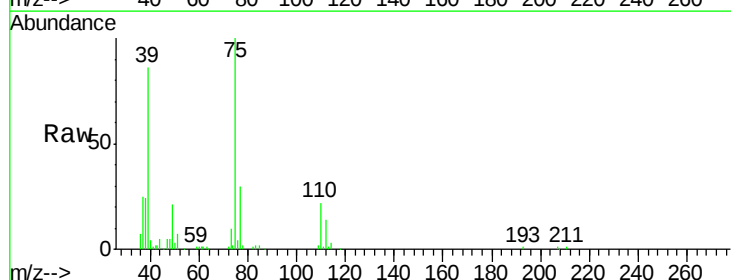
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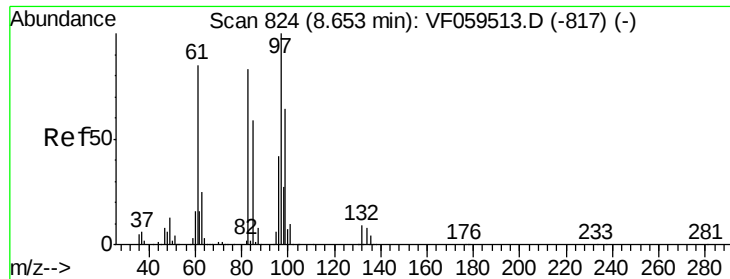
apatel
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#54
 cis-1,3-Dichloropropene
 Concen: 21.95 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. -0.02 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Tgt Ion: 75 Resp: 79990
 Ion Ratio Lower Upper
 75 100
 77 30.2 25.0 37.6
 39 85.6 63.8 95.6





#55

1,1,2-Trichloroethane

Concen: 23.21 ug/l

RT: 8.63 min Scan# 822

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

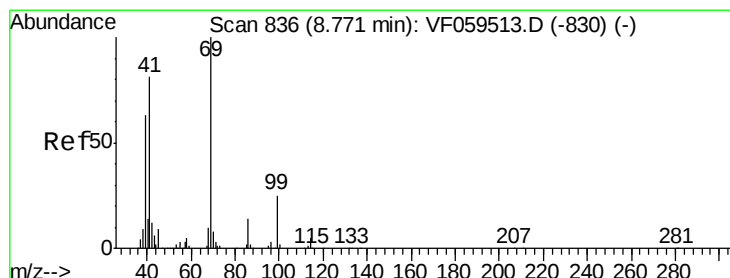
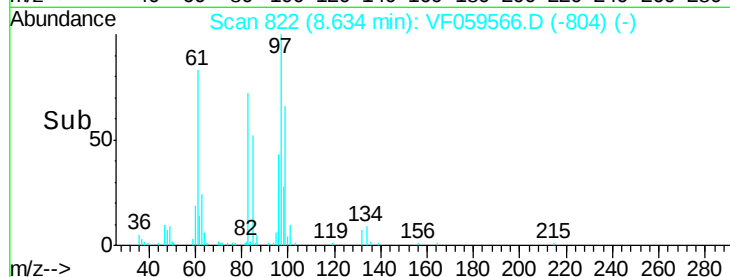
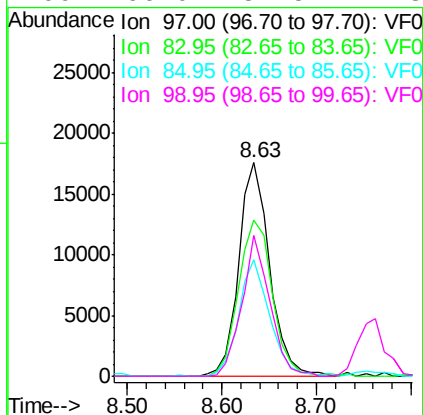
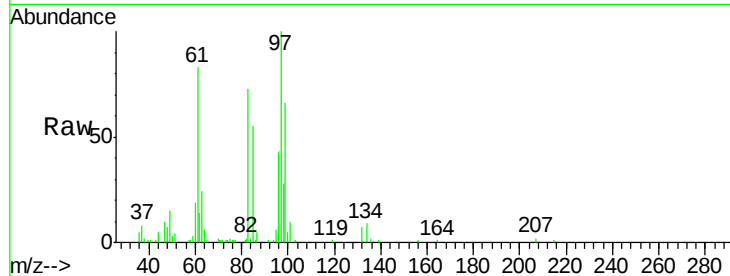
VF0719SBS02

Tot Ion:	97	Resp:	39886
Ion	Ratio	Lower	Upper
97	100		
83	73.0	66.9	100.3
85	54.6	46.9	70.3
99	66.0	51.5	77.3

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#56

Ethyl methacrylate

Concen: 17.73 ug/l

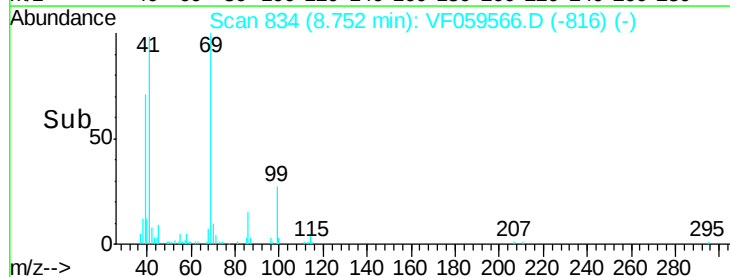
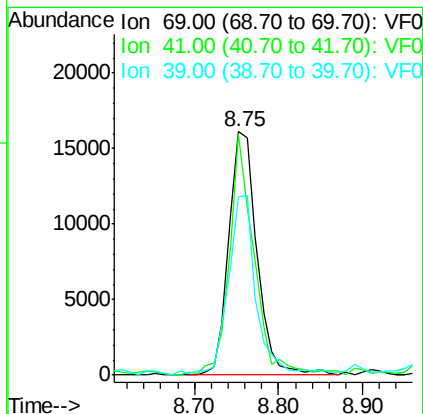
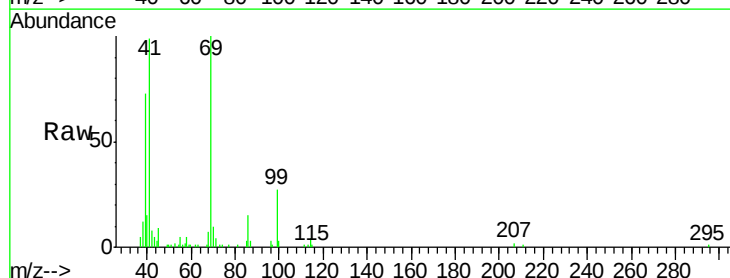
RT: 8.75 min Scan# 834

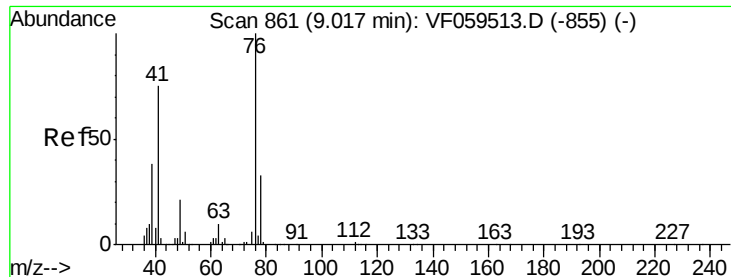
Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Tgt Ion:	69	Resp:	37767
Ion	Ratio	Lower	Upper
69	100		
41	99.0	65.4	98.2#
39	73.3	51.0	76.4





#57

1,3-Dichloropropane

Concen: 21.89 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS02

Tot Ion: 76 Resp: 66512

Ion Ratio Lower Upper

76 100

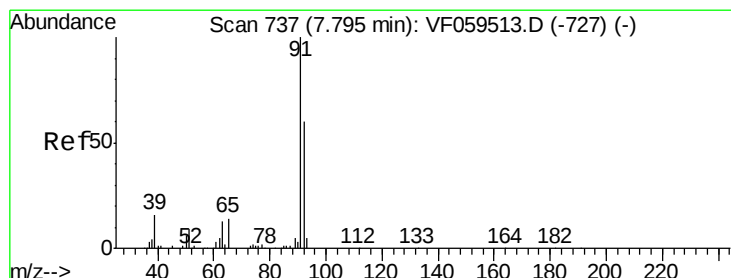
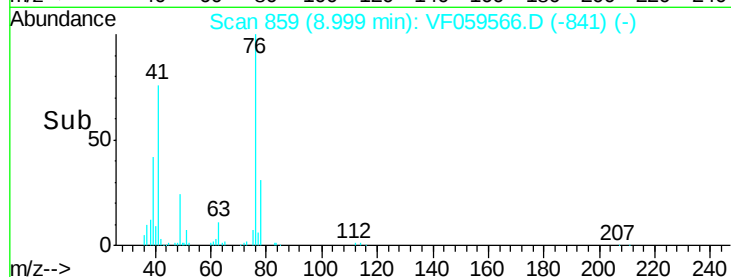
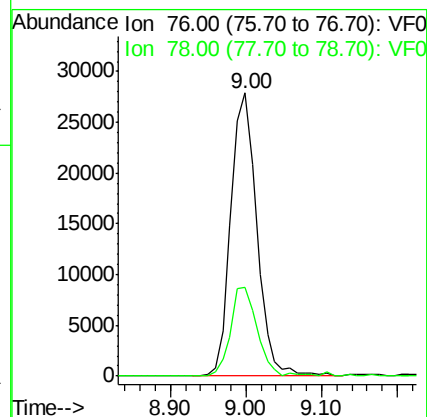
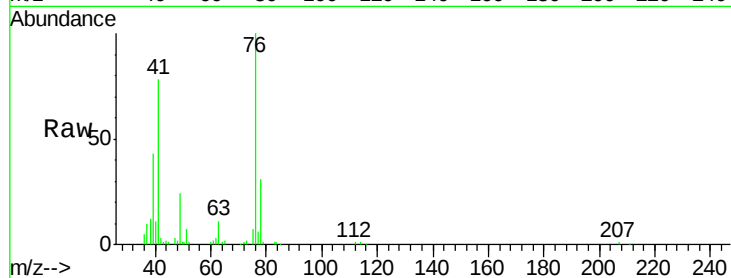
78 31.4 26.4 39.6

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#58

2-Chloroethyl Vinyl ether

Concen: 119.85 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.02 min

Lab File: VF059566.D

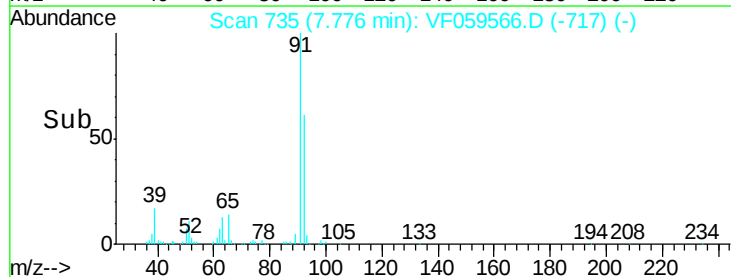
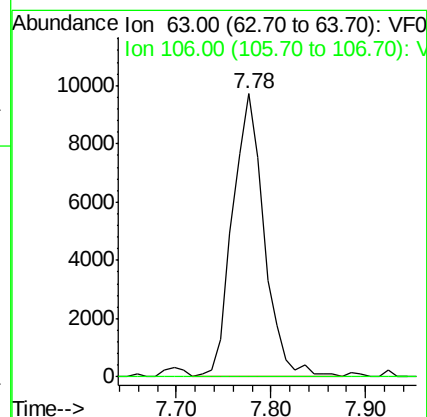
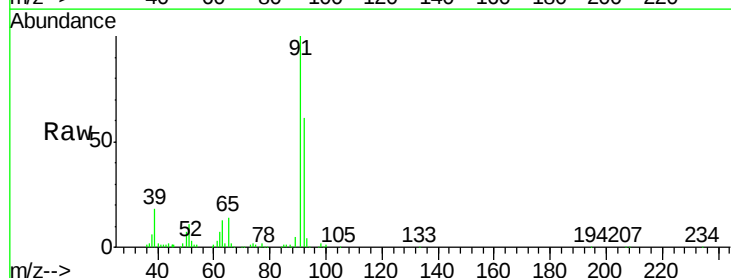
Acq: 19 Jul 2018 20:29

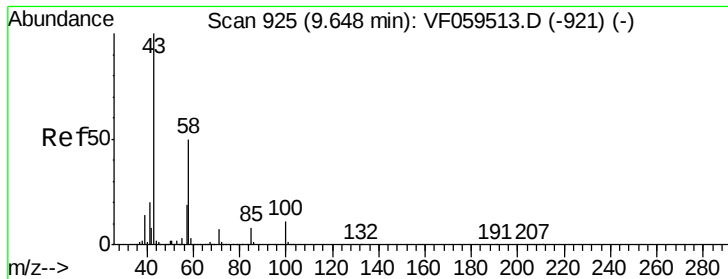
Tgt Ion: 63 Resp: 22546

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





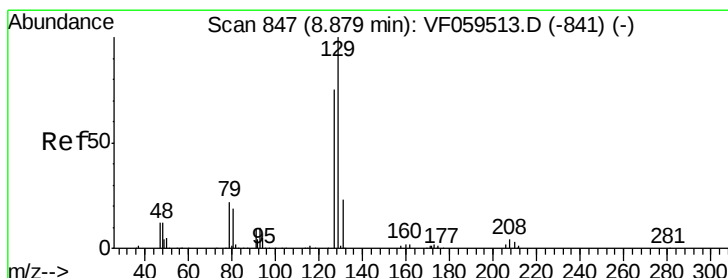
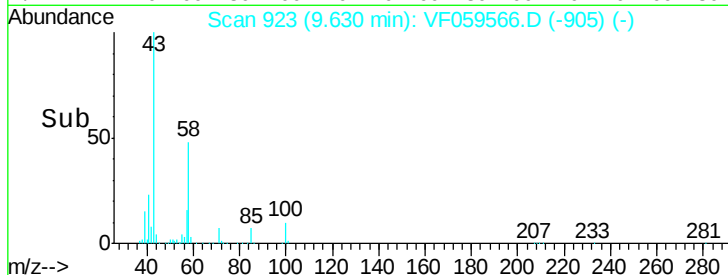
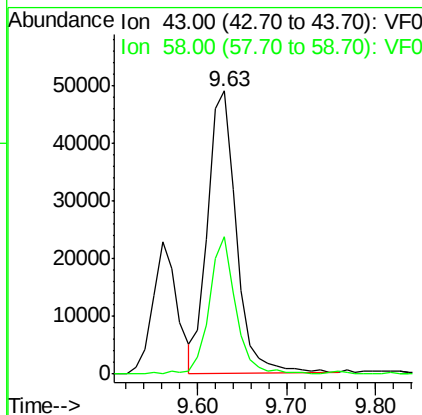
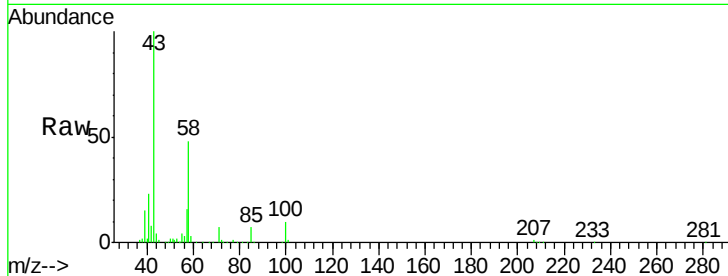
#59
2-Hexanone
Concen: 89.47 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS02

Tot Ion: 43 Resp: 108550
Ion Ratio Lower Upper
43 100
58 48.4 23.3 69.9

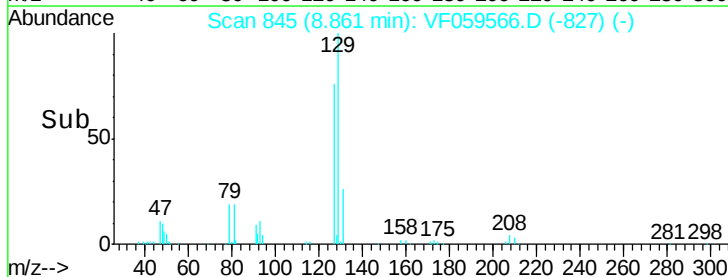
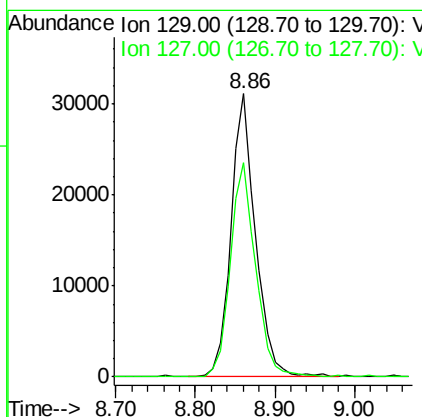
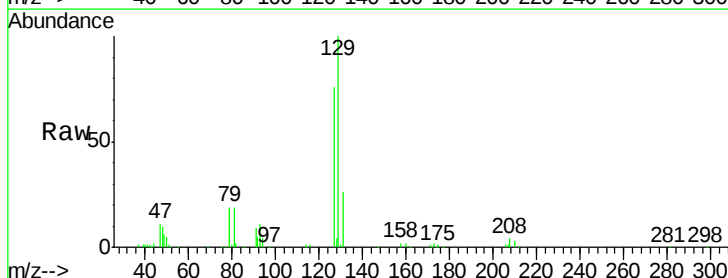
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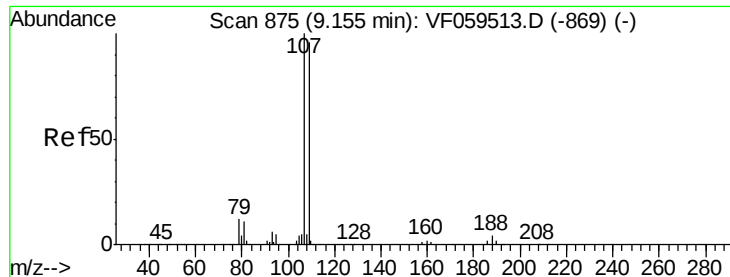
apatel
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#60
Dibromochloromethane
Concen: 23.02 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion: 129 Resp: 66667
Ion Ratio Lower Upper
129 100
127 75.6 37.6 112.8





#61

1,2-Dibromoethane

Concen: 21.54 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.03 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS02

Tot Ion:107 Resp: 45911

Ion Ratio Lower Upper

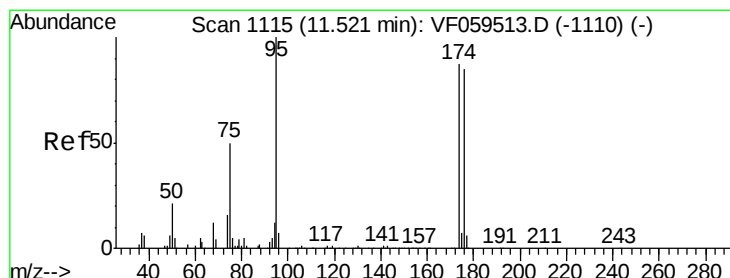
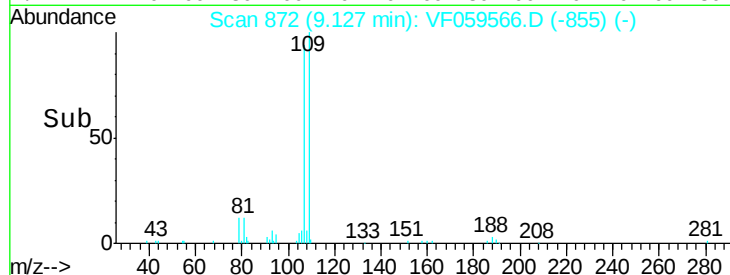
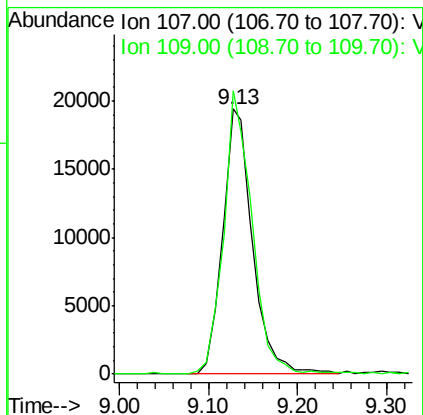
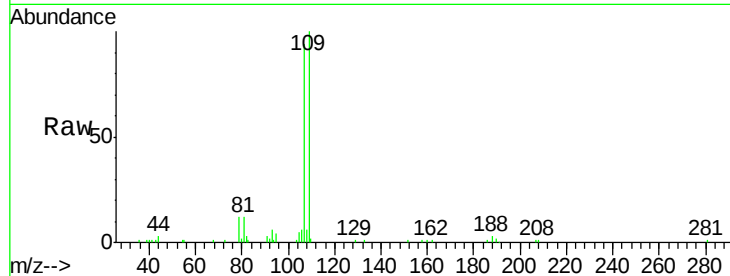
107 100

109 106.7 76.5 114.7

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#62

4-Bromofluorobenzene

Concen: 55.92 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

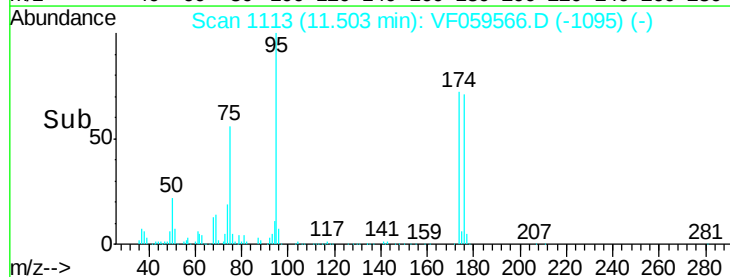
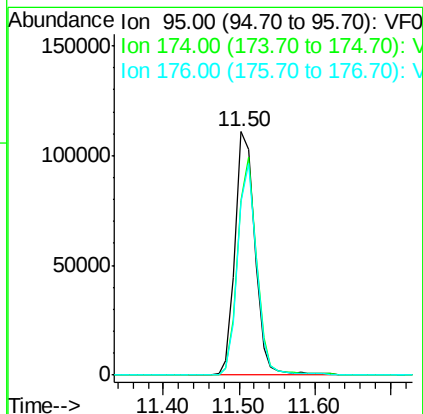
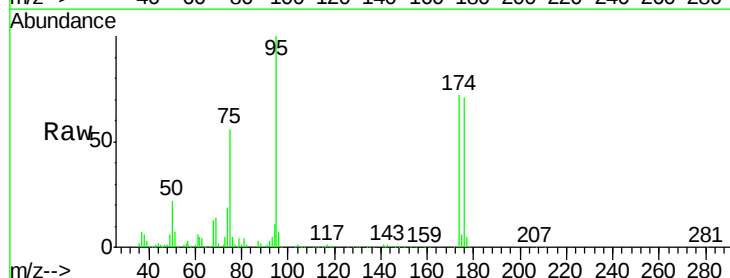
Tgt Ion: 95 Resp: 201510

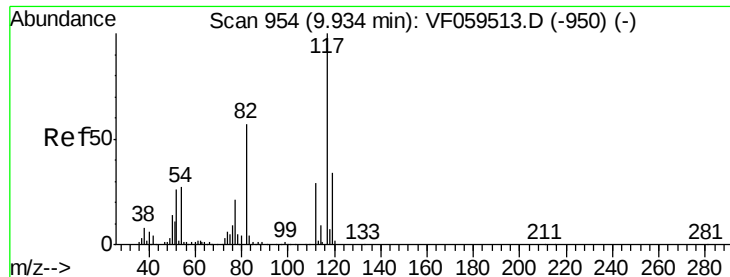
Ion Ratio Lower Upper

95 100

174 71.8 0.0 174.4

176 70.9 0.0 169.4





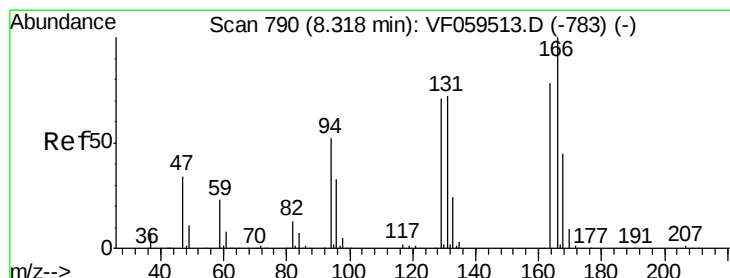
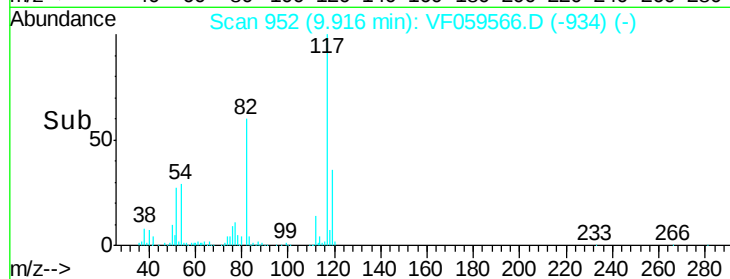
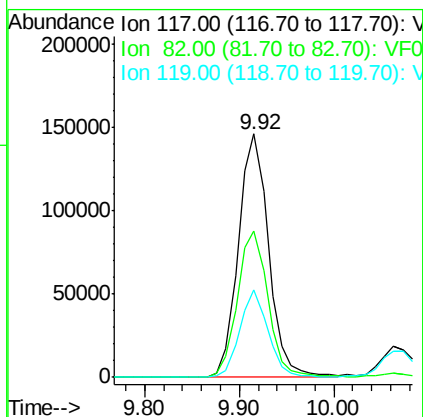
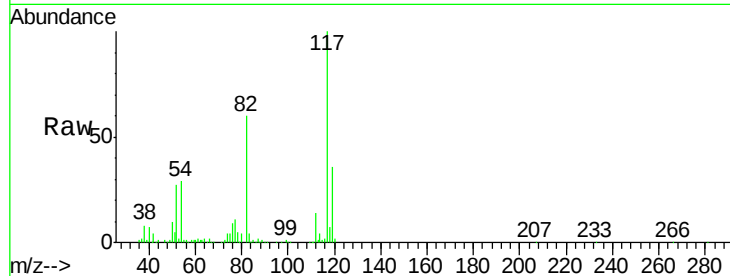
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.9	46.1	69.1
119	35.9	27.2	40.8

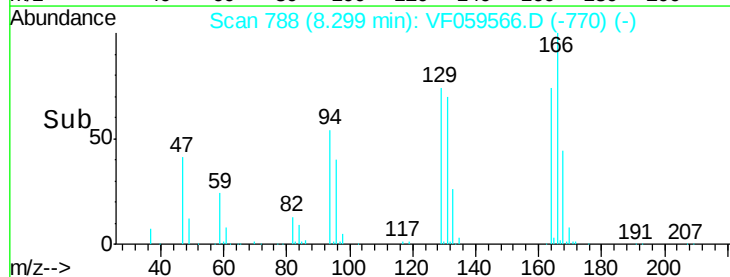
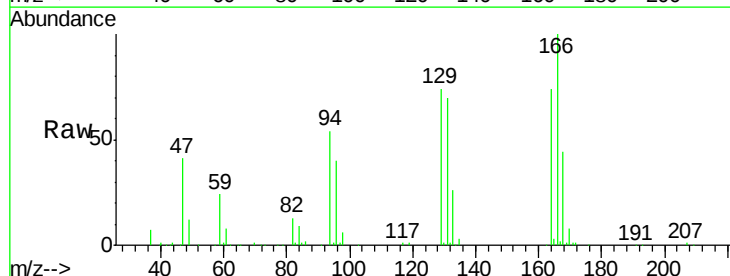
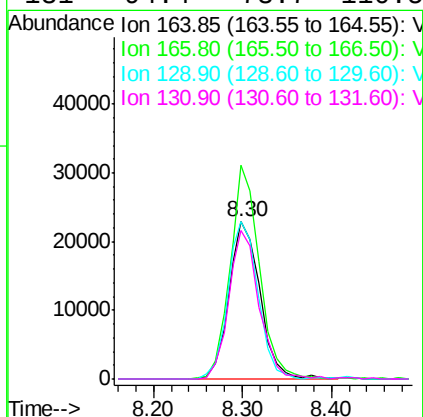
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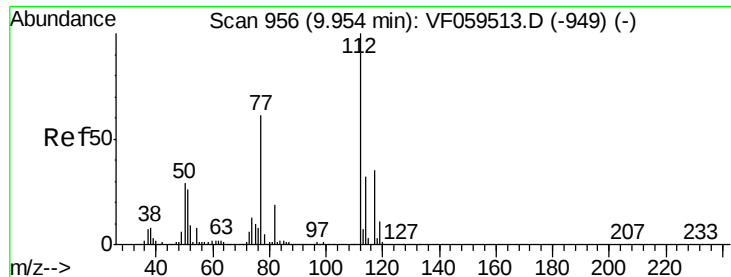
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#64
Tetrachloroethene
Concen: 23.09 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.7	102.3	153.5
129	99.9	72.4	108.6
131	94.4	73.7	110.5





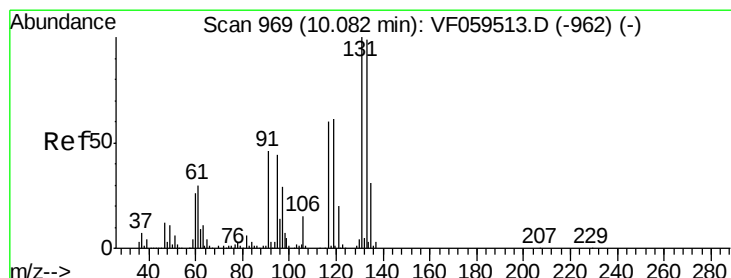
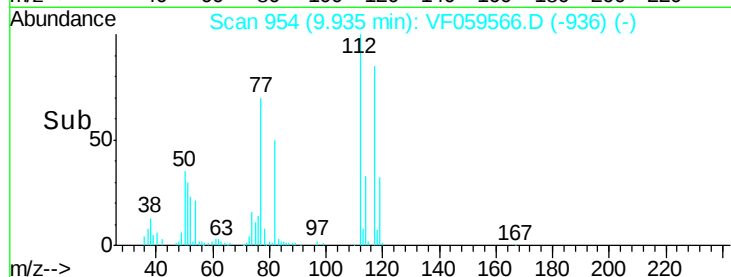
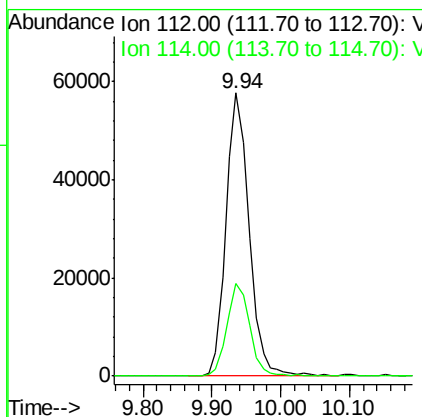
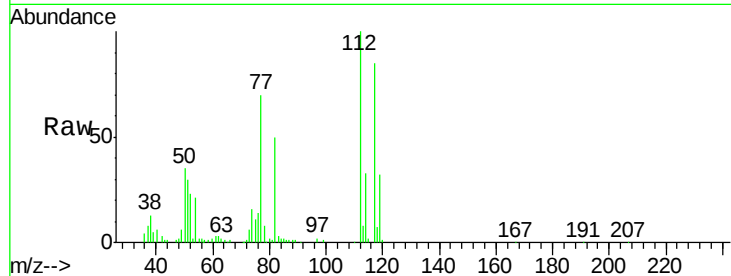
#65
Chlorobenzene
Concen: 22.06 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS02

Tot Ion:112 Resp: 134287
Ion Ratio Lower Upper
112 100
114 32.7 25.4 38.2

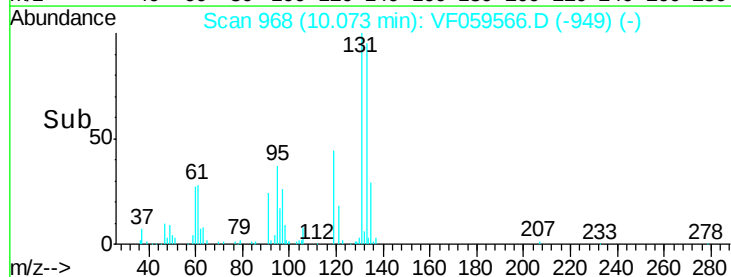
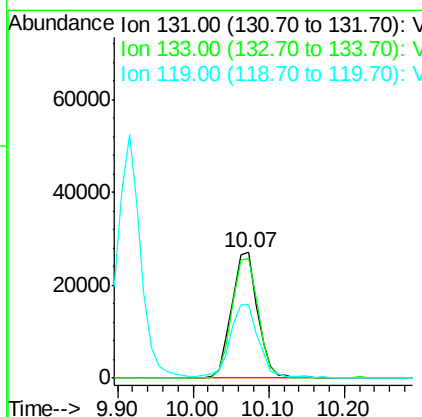
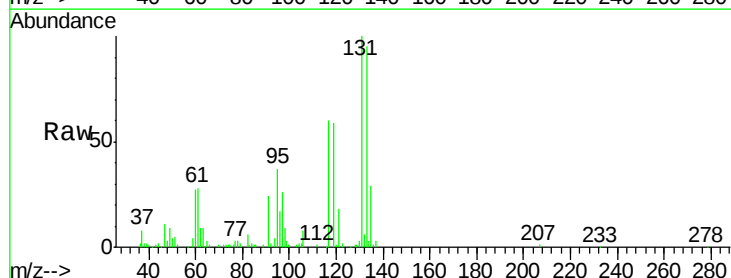
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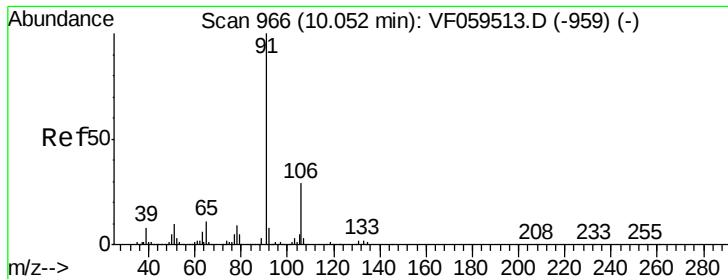
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.38 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion:131 Resp: 64828
Ion Ratio Lower Upper
131 100
133 94.8 49.6 148.8
119 58.8 31.4 94.3





#67

Ethyl Benzene

Concen: 23.41 ug/l

RT: 10.03 min Scan# 964

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS02

Tot Ion: 91 Resp: 253627

Ion Ratio Lower Upper

91 100

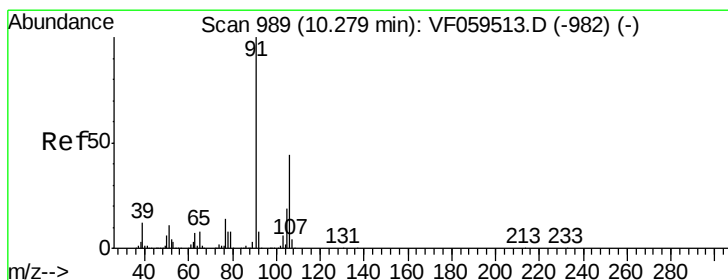
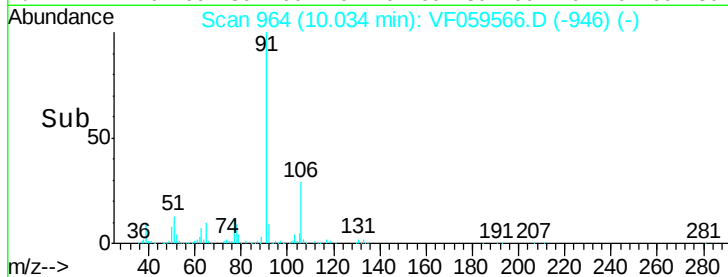
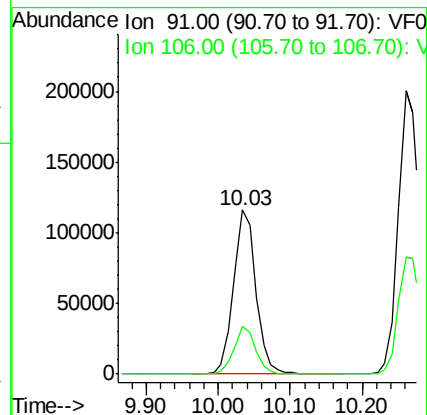
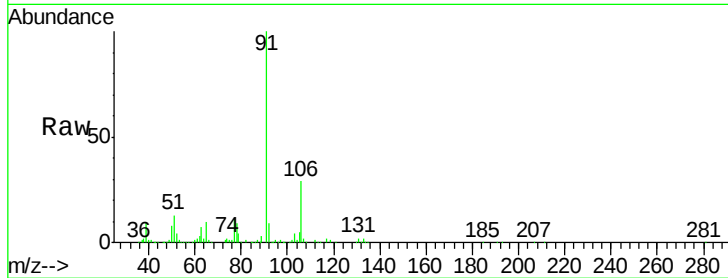
106 29.4 23.4 35.2

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#68

m/p-Xylenes

Concen: 48.31 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.02 min

Lab File: VF059566.D

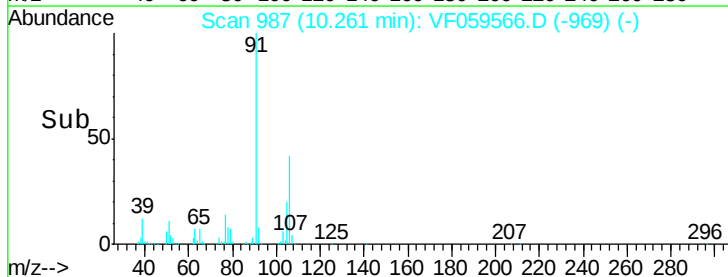
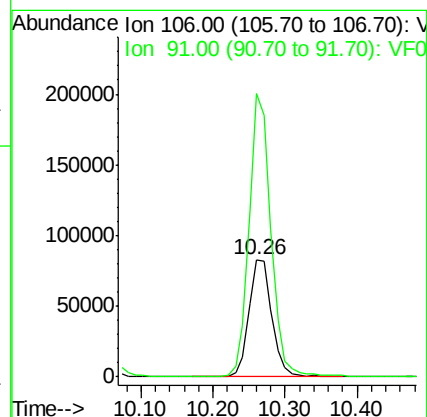
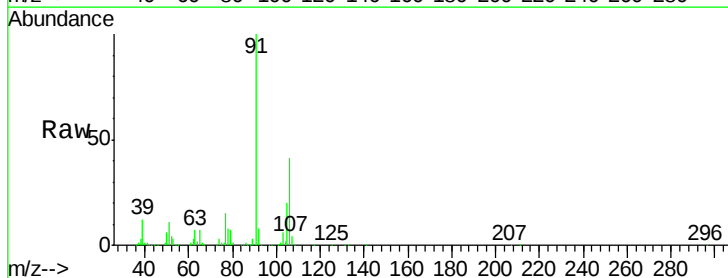
Acq: 19 Jul 2018 20:29

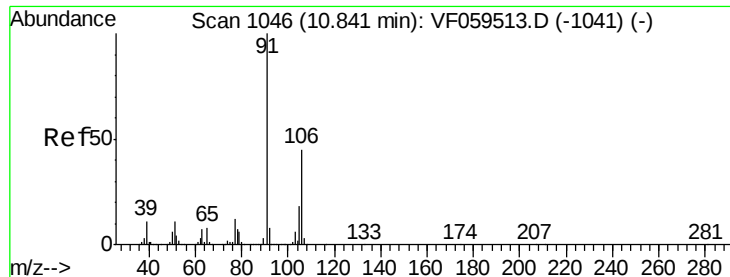
Tgt Ion: 106 Resp: 184742

Ion Ratio Lower Upper

106 100

91 241.1 181.0 271.4





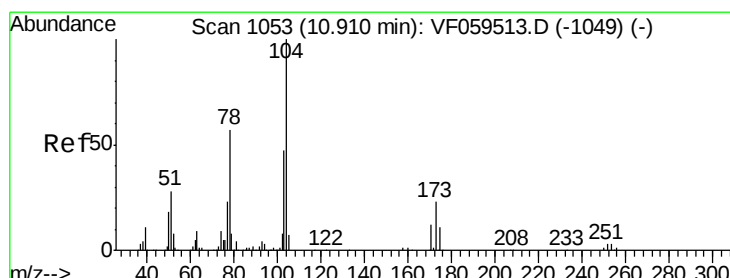
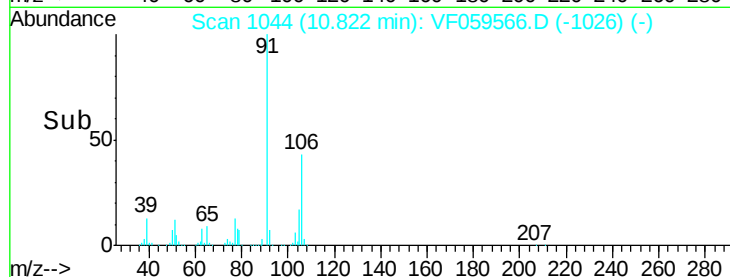
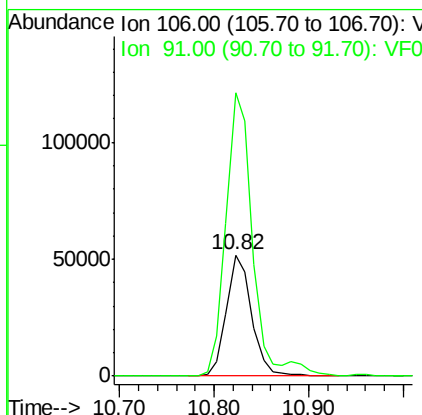
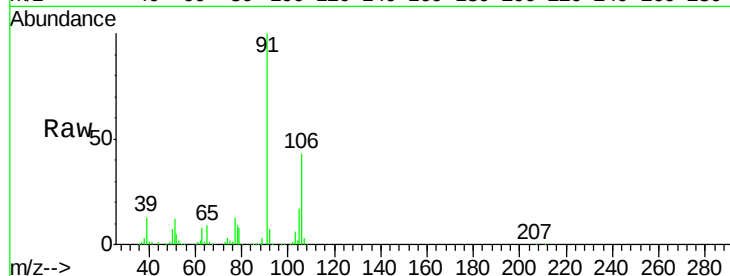
#69
o-Xylene
Concen: 23.65 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS02

Tot Ion:106 Resp: 96284
Ion Ratio Lower Upper
106 100
91 233.3 112.3 336.9

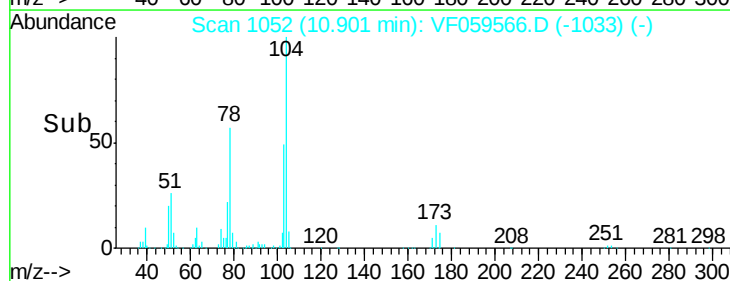
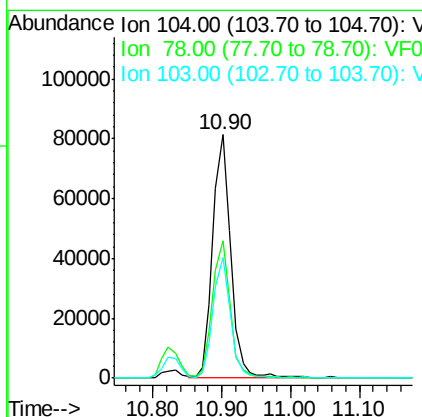
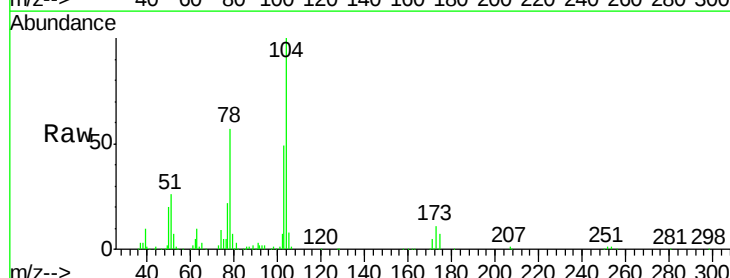
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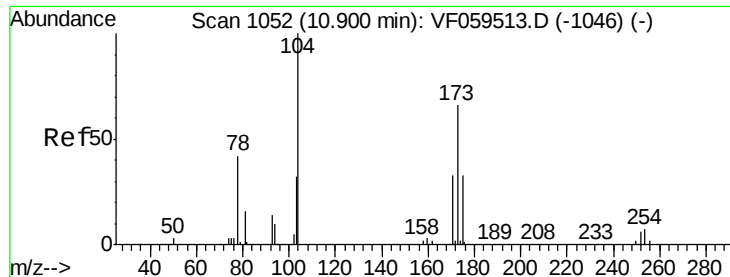
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#70
Styrene
Concen: 23.75 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion:104 Resp: 148657
Ion Ratio Lower Upper
104 100
78 56.6 45.7 68.5
103 49.5 38.1 57.1





#71

Bromoform

Concen: 21.08 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

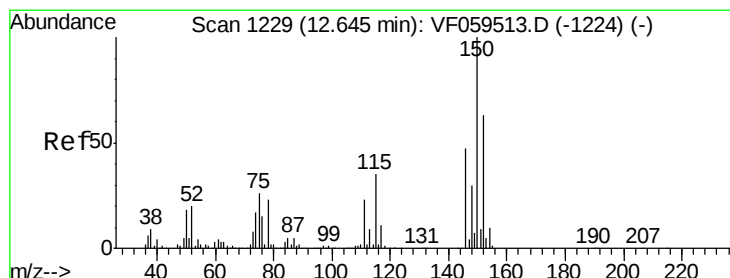
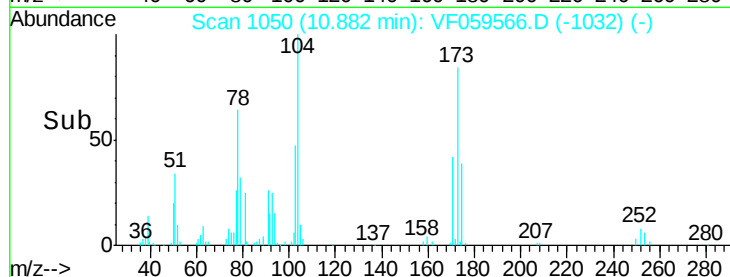
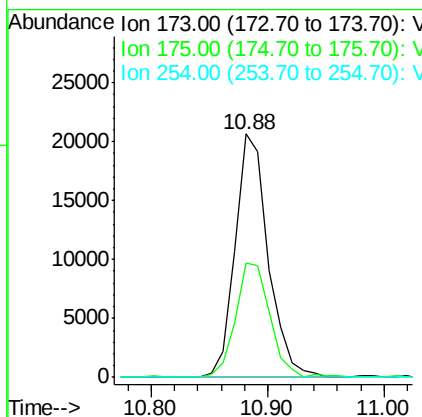
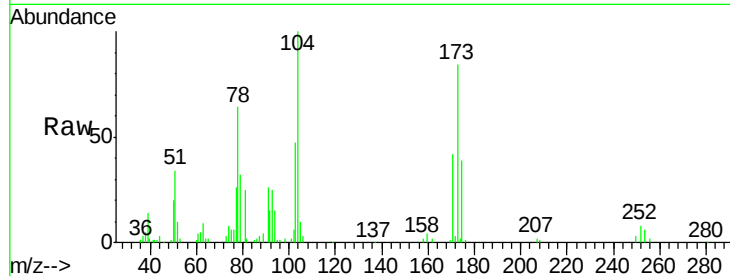
ClientSampleId :

VF0719SBS02

Tot Ion:	173	Resp:	40600
Ion Ratio	Lower	Upper	
173	100		
175	46.8	25.3	75.8
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

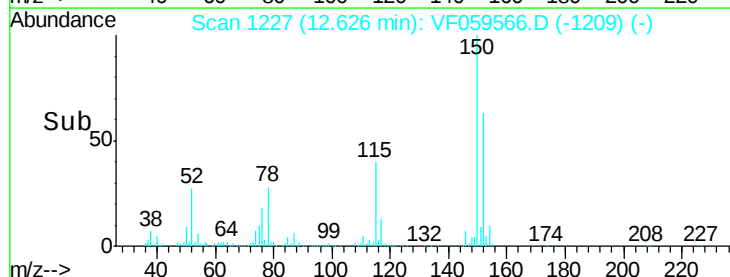
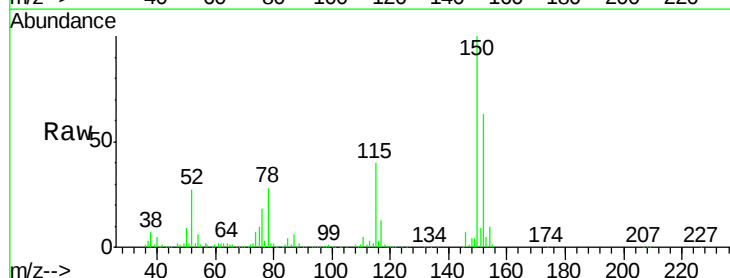
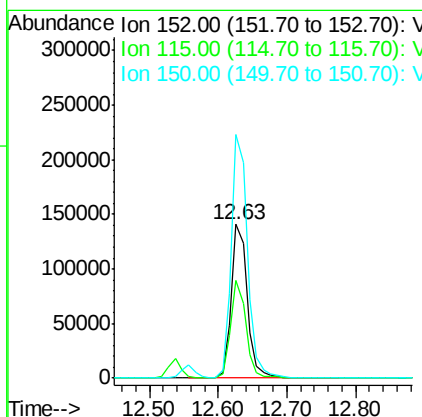
RT: 12.63 min Scan# 1227

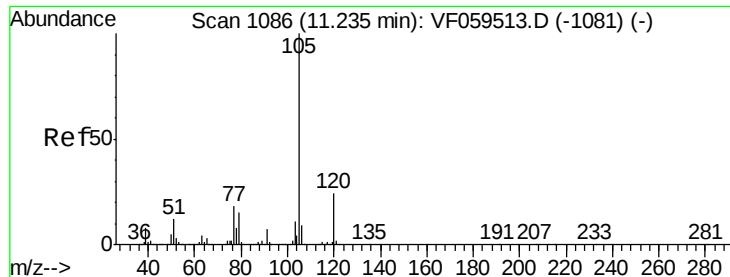
Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Tgt Ion:	152	Resp:	226016
Ion Ratio	Lower	Upper	
152	100		
115	63.1	27.8	83.3
150	158.1	0.0	318.4





#73

Isopropylbenzene

Concen: 21.06 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

ClientSampleId :

VF0719SBS02

Tot Ion: 105 Resp: 300390

Ion Ratio Lower Upper

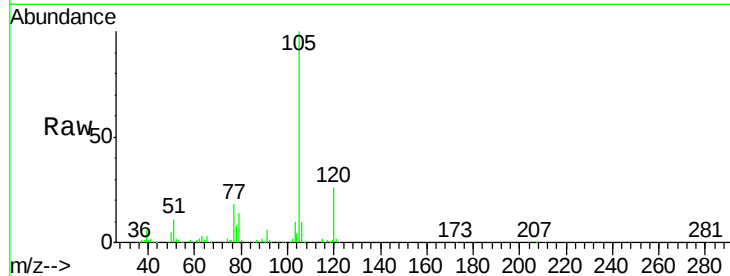
105 100

120 25.5 12.0 36.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

200000

150000

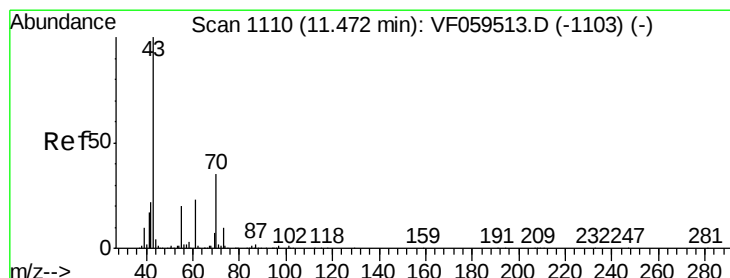
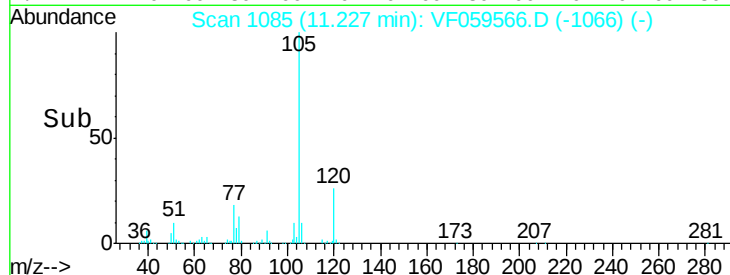
100000

50000

0

Time-->

11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 13.88 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Tgt Ion: 43 Resp: 63412

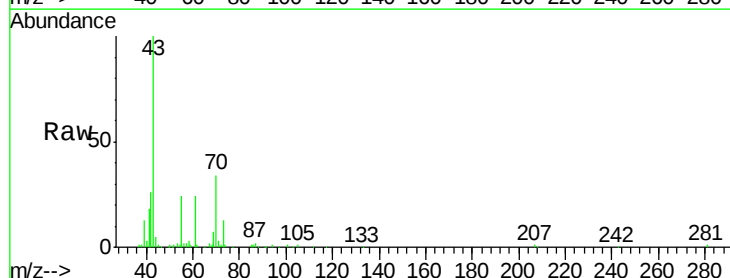
Ion Ratio Lower Upper

43 100

70 34.4 27.9 41.9

55 23.6 16.2 24.2

61 24.5 18.6 27.8



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

60000

50000

40000

30000

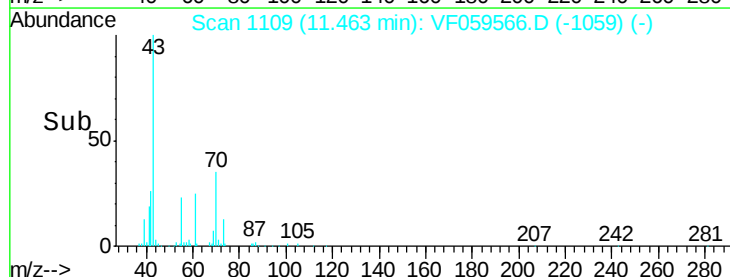
20000

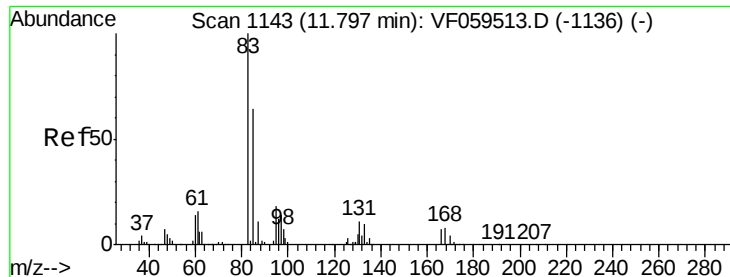
10000

0

Time-->

11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 17.79 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.02 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

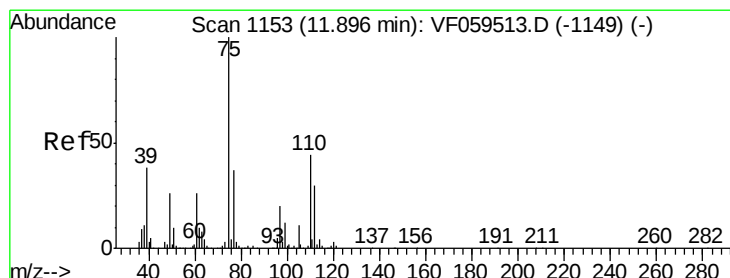
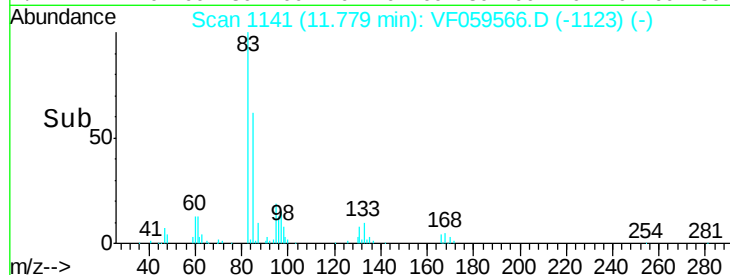
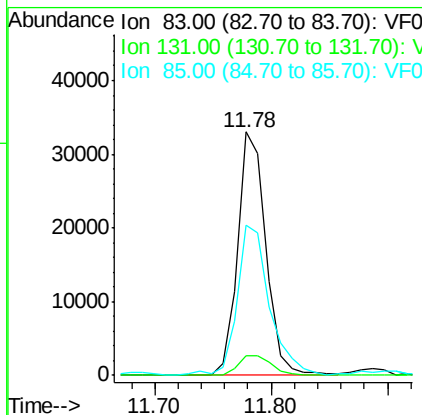
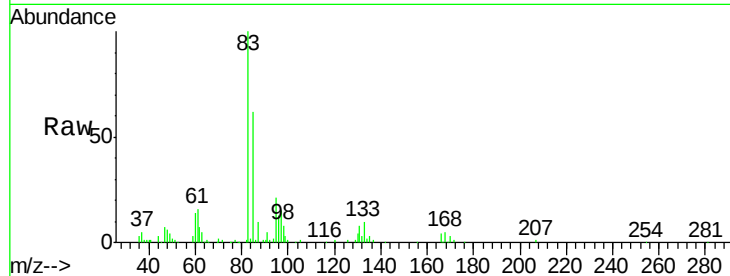
ClientSampleId :

VF0719SBS02

Tot Ion:	83	Resp:	55343
Ion Ratio	Lower	Upper	
83	100		
131	8.2	5.7	17.1
85	61.6	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 19.00 ug/l

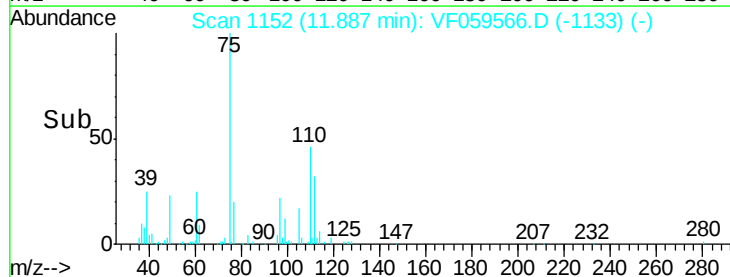
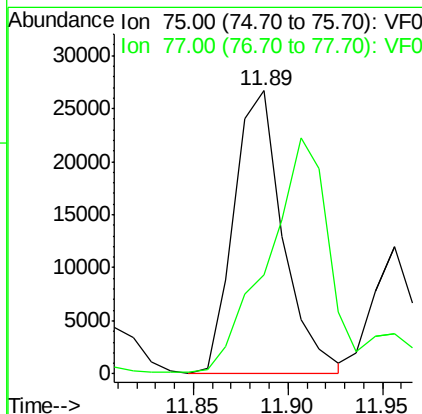
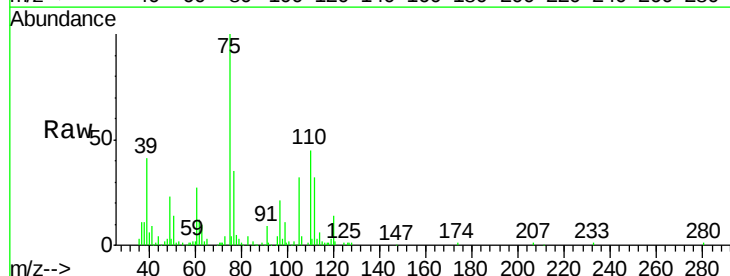
RT: 11.89 min Scan# 1152

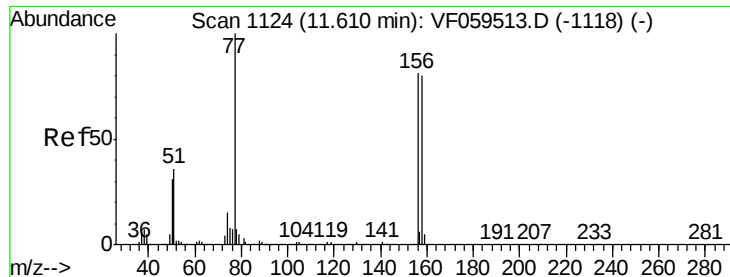
Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Tgt Ion:	75	Resp:	48266
Ion Ratio	Lower	Upper	
75	100		
77	35.1	18.7	56.1





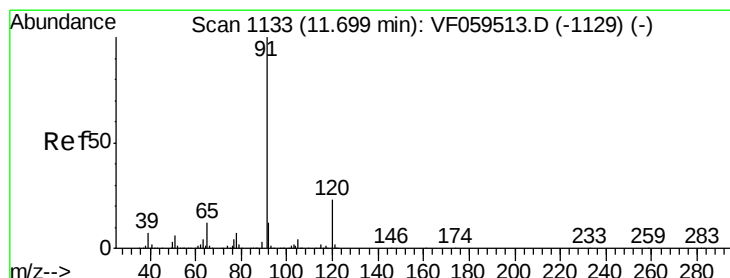
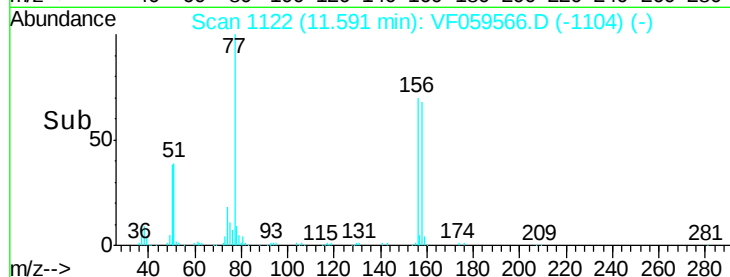
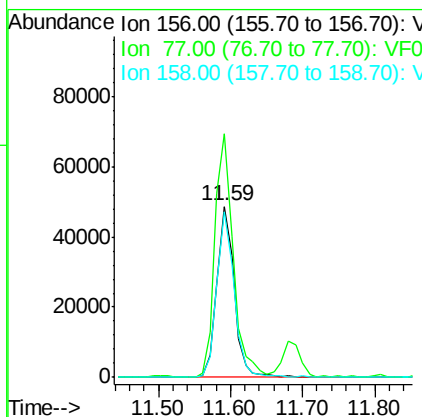
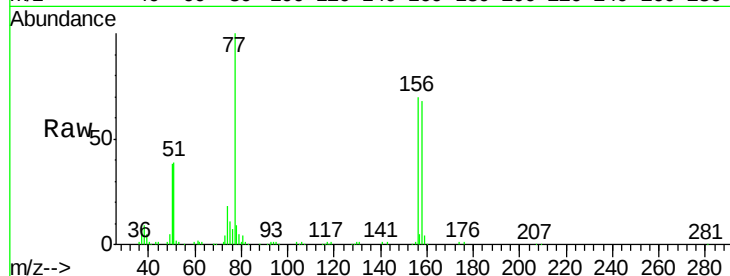
#77
Bromobenzene
Concen: 20.01 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	142.3	62.0	186.0
158	96.6	49.8	149.3

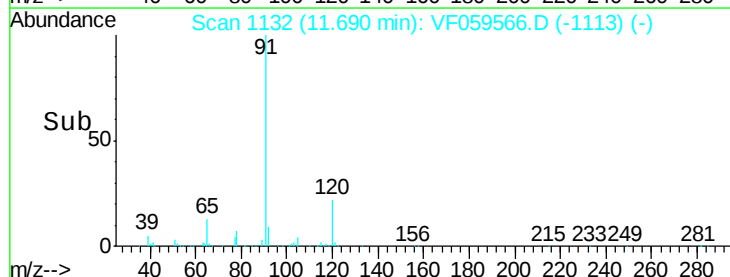
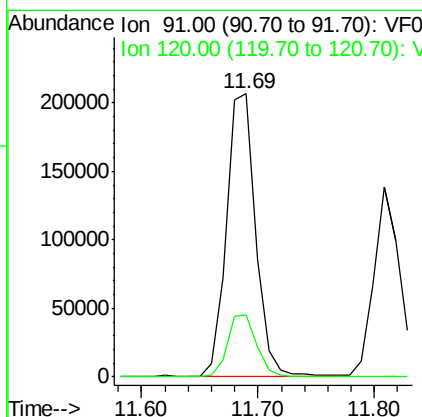
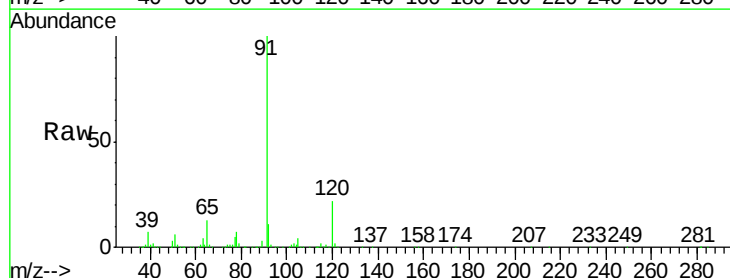
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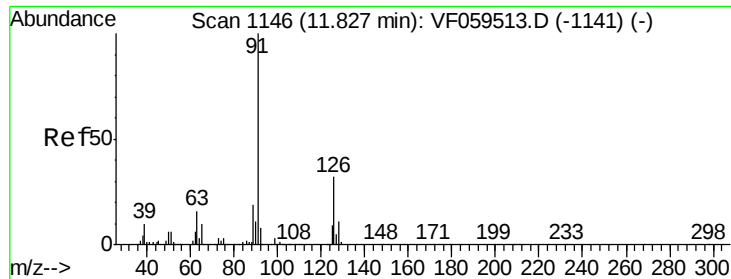
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#78
n-propylbenzene
Concen: 21.89 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.3	33.9





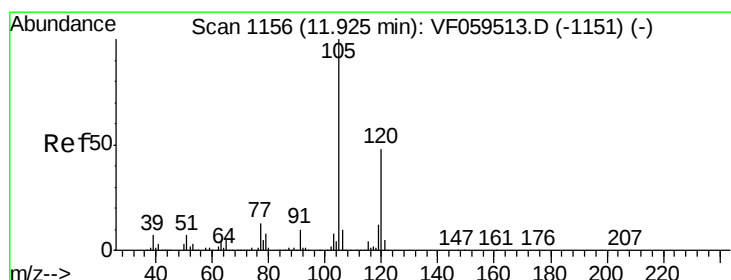
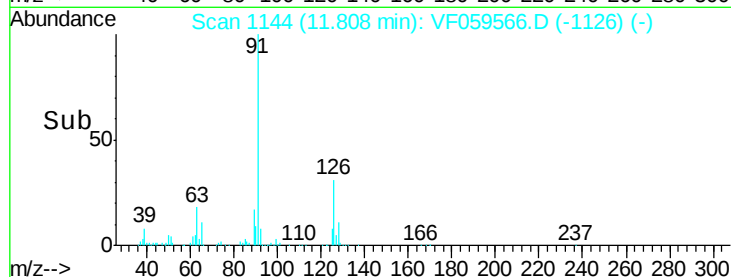
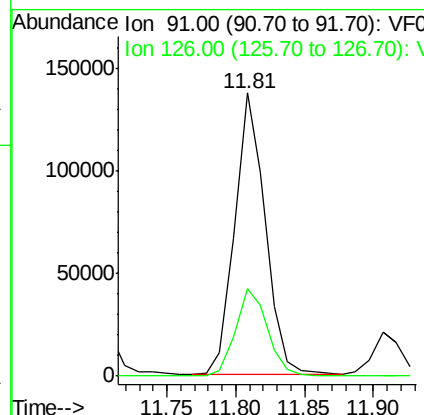
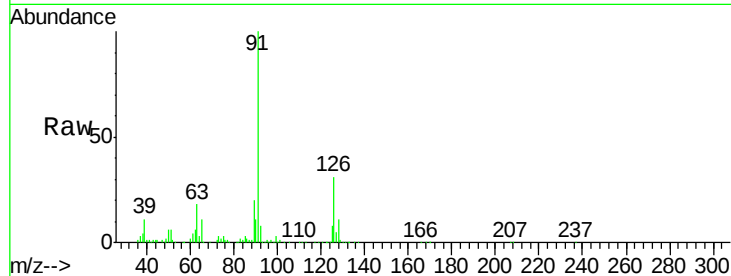
#79
 2-Chlorotoluene
 Concen: 20.93 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. -0.02 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.9	15.7	47.1

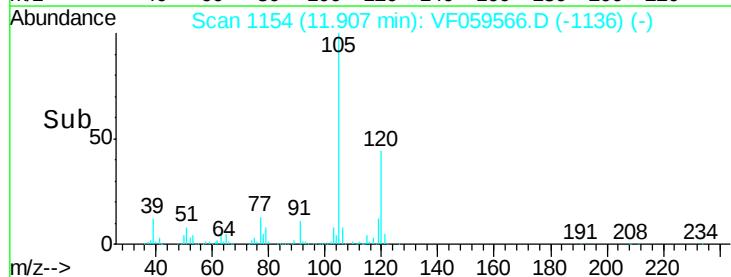
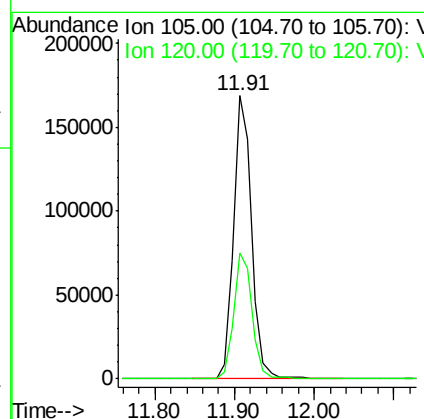
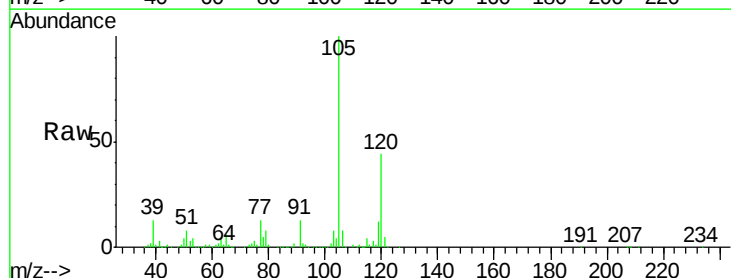
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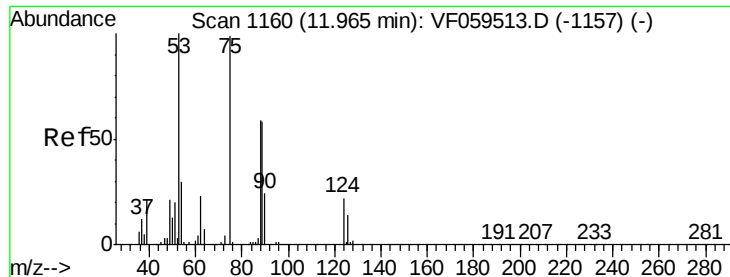
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#80
 1,3,5-Trimethylbenzene
 Concen: 22.57 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.02 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	24.1	72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 16.55 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Instrument :

MSVOA_F

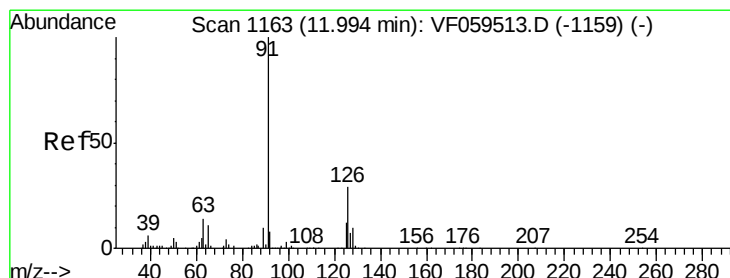
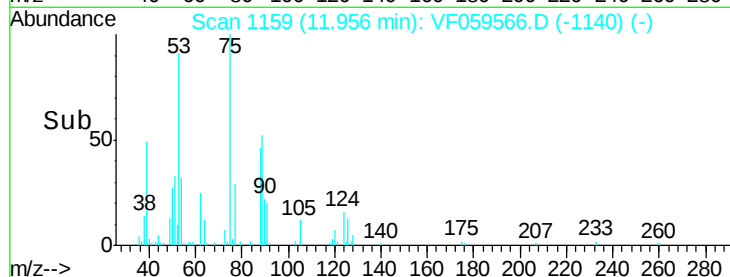
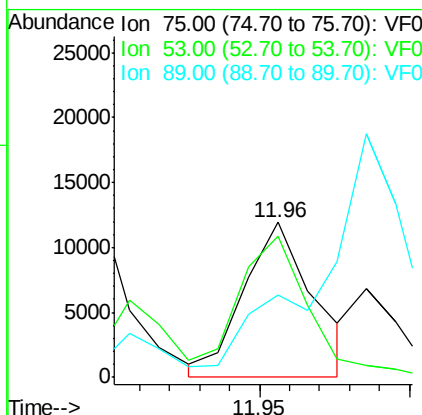
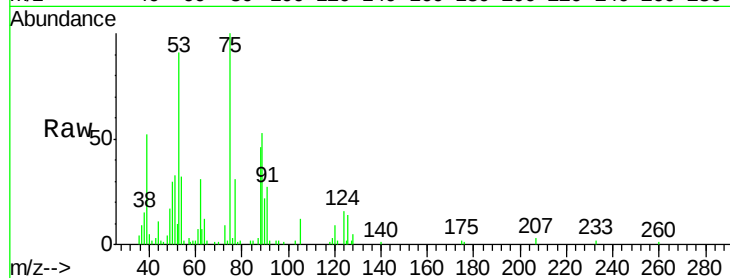
ClientSampleId :

VF0719SBS02

Tot Ion:	75	Resp:	19207
Ion Ratio	Lower	Upper	
75	100		
53	90.6	84.6	127.0
89	52.7	48.2	72.4

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#82

4-Chlorotoluene

Concen: 21.43 ug/l

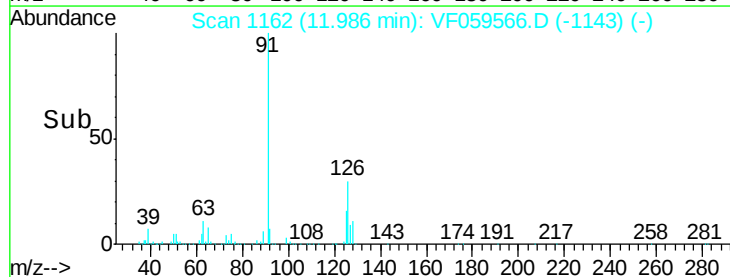
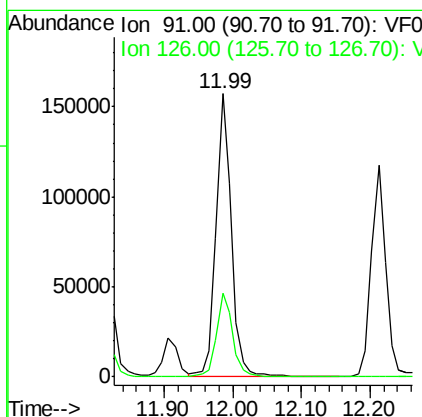
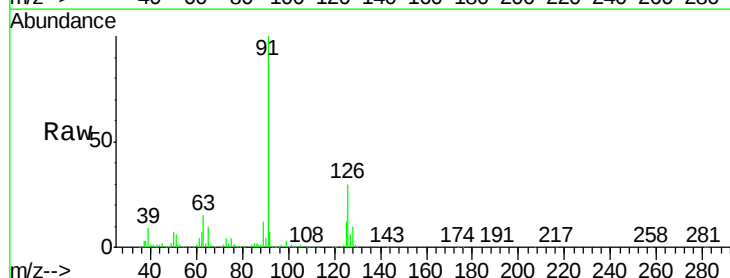
RT: 11.99 min Scan# 1162

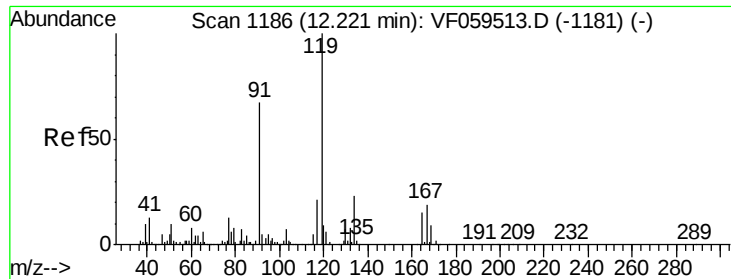
Delta R.T. -0.01 min

Lab File: VF059566.D

Acq: 19 Jul 2018 20:29

Tgt Ion:	91	Resp:	241934
Ion Ratio	Lower	Upper	
91	100		
126	29.5	14.4	43.4





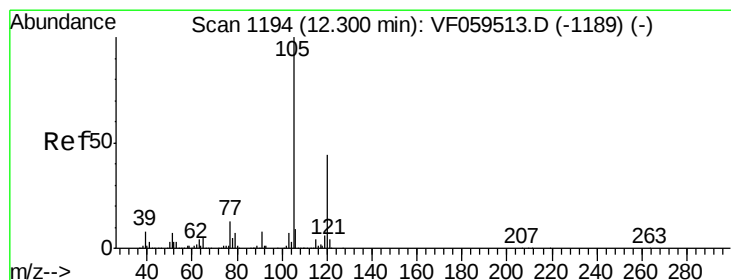
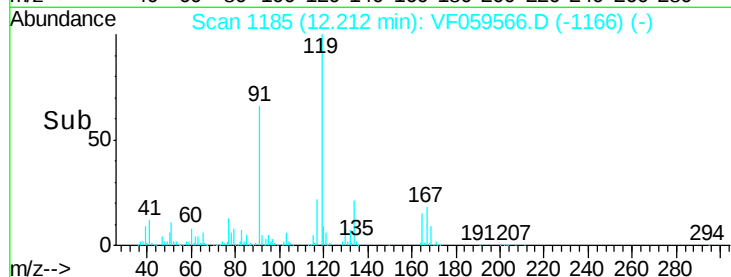
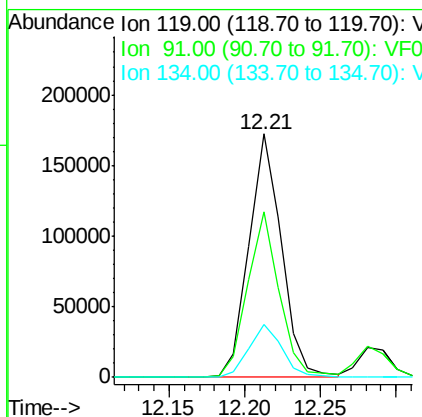
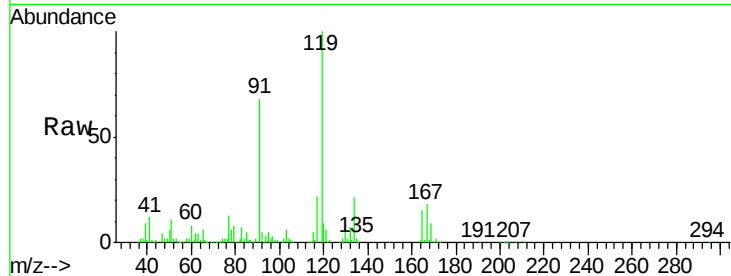
#83
tert-Butylbenzene
Concen: 22.66 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	259955		
91	68.1		33.5	100.5
134	21.5		11.3	33.8

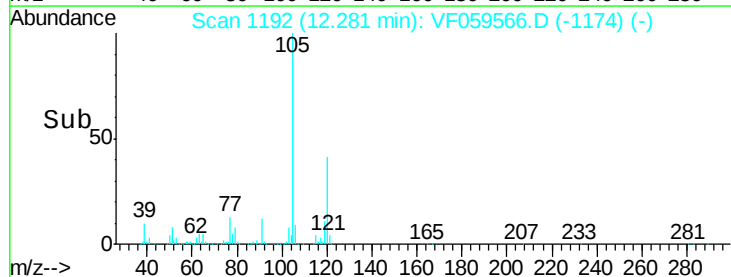
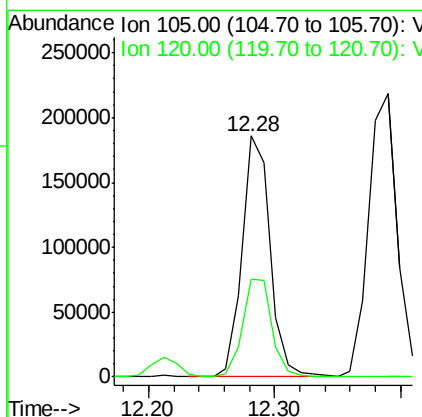
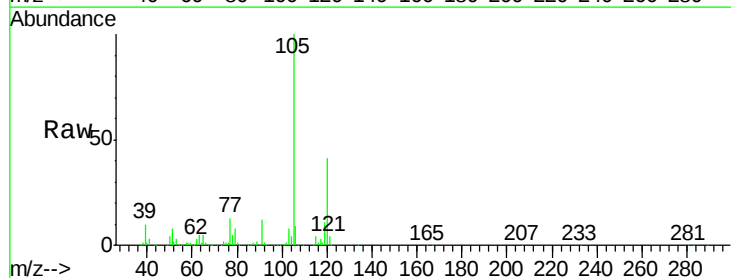
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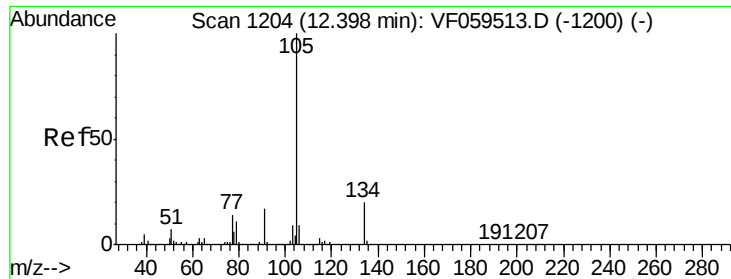
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#84
1,2,4-Trimethylbenzene
Concen: 23.16 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	284788		
120	40.7		22.5	67.5





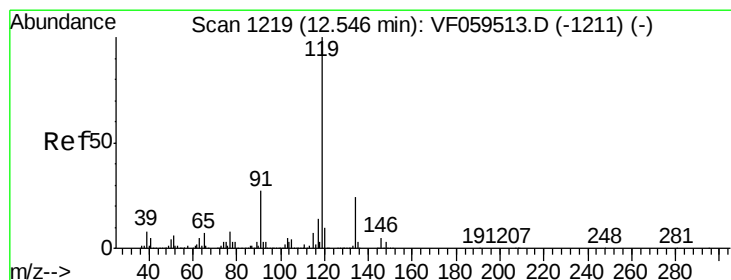
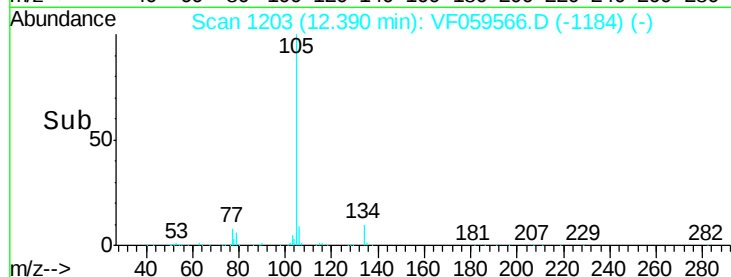
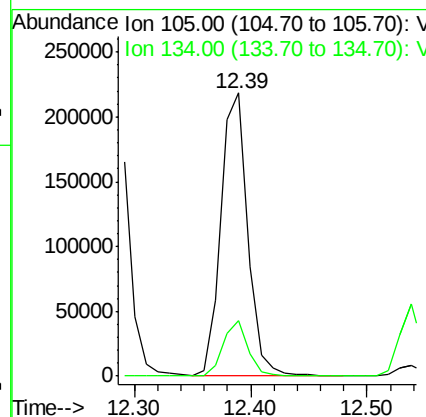
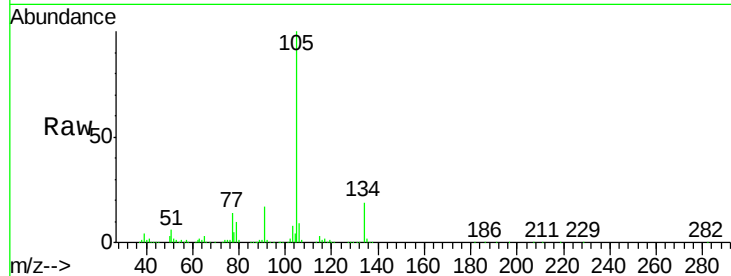
#85
 sec-Butylbenzene
 Concen: 23.90 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0719SBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	10.1	30.1

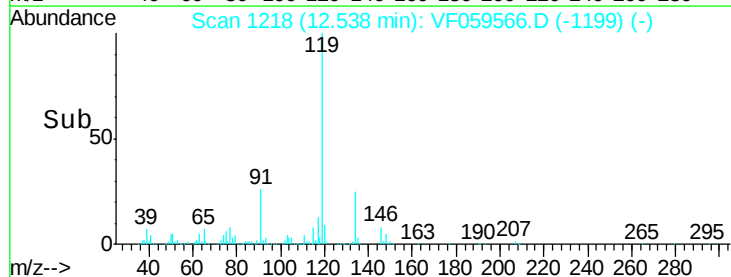
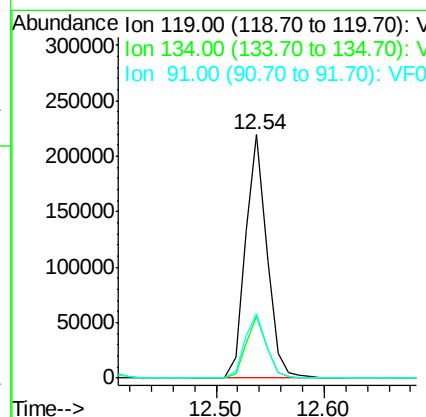
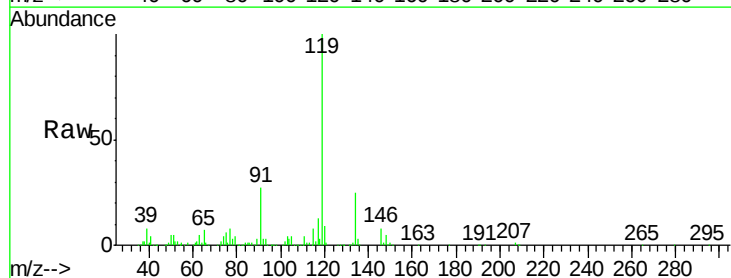
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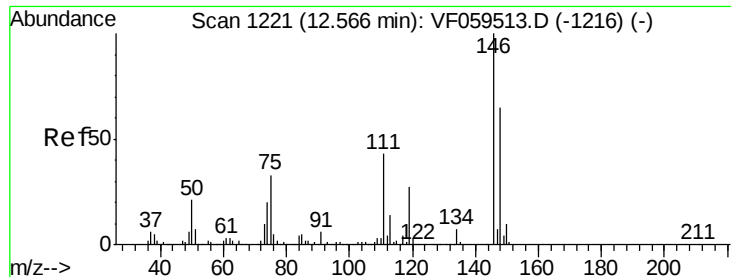
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#86
 p-Isopropyltoluene
 Concen: 23.80 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.0	36.0
91	26.5	13.5	40.4





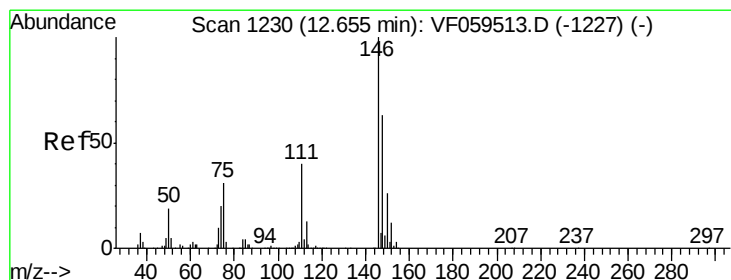
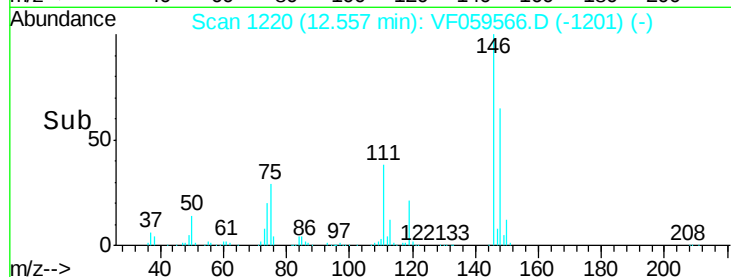
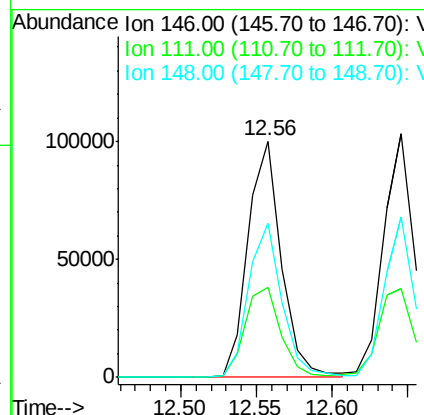
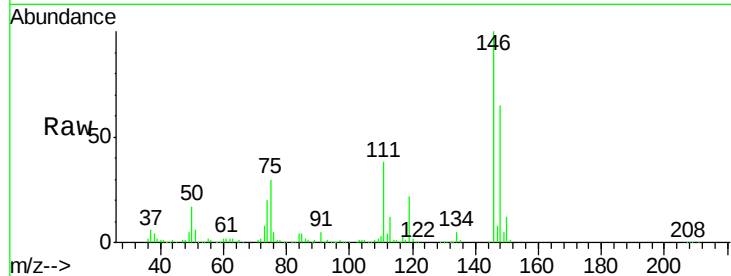
#87
 1,3-Dichlorobenzene
 Concen: 22.49 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	21.4	64.3
148	65.0	32.7	98.1

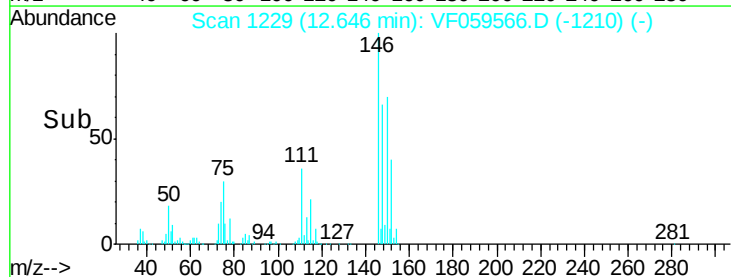
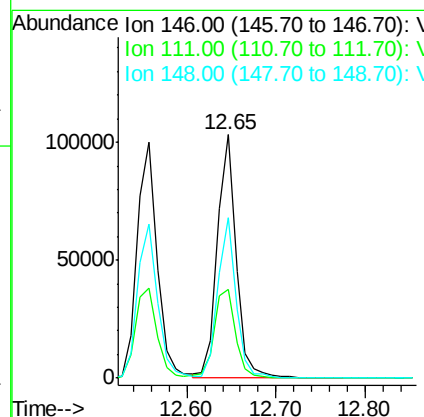
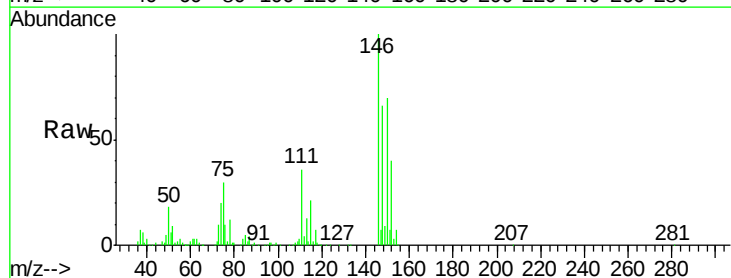
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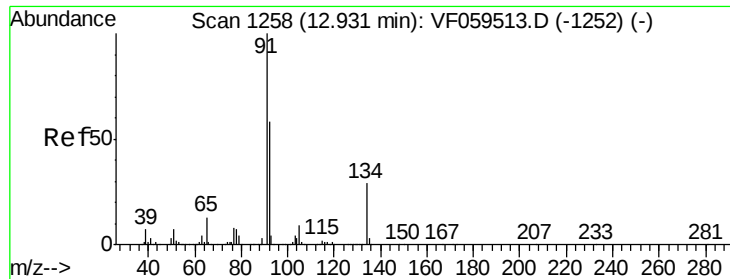
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#88
 1,4-Dichlorobenzene
 Concen: 22.62 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	20.0	59.9
148	65.9	31.5	94.5





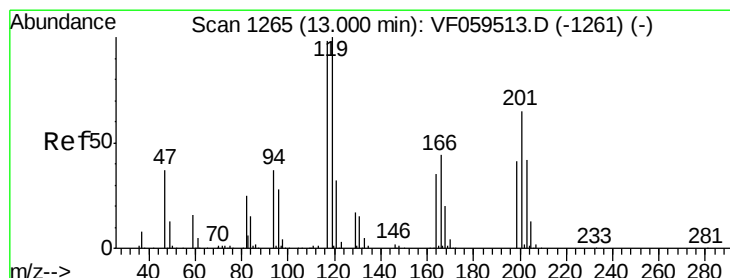
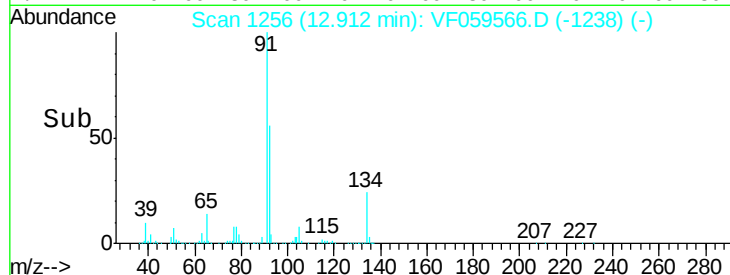
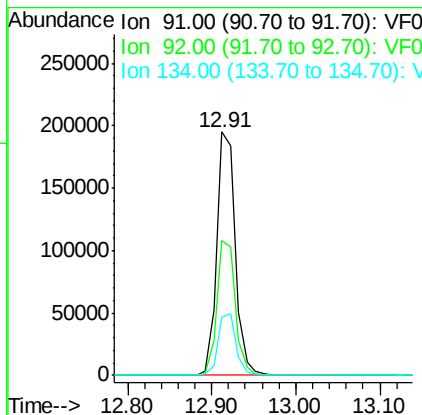
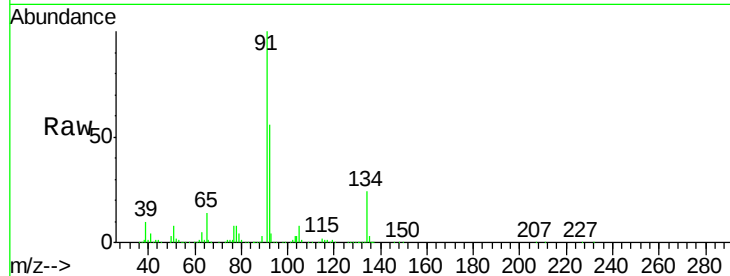
#89
n-Butylbenzene
Concen: 25.19 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.02 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.6	29.1	87.3
134	23.6	14.3	42.9

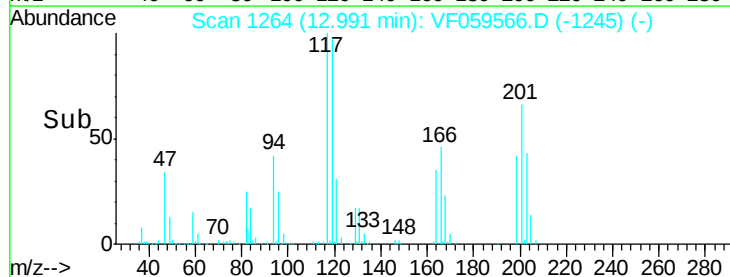
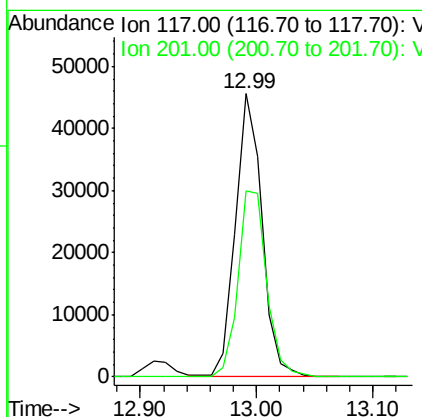
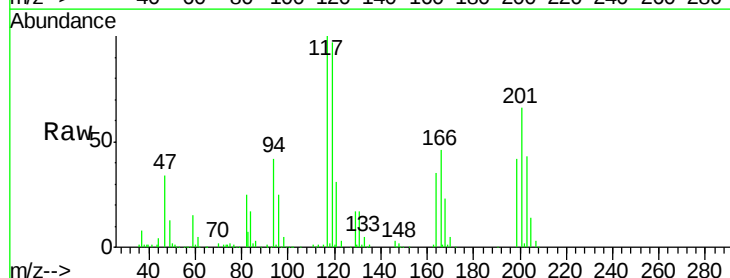
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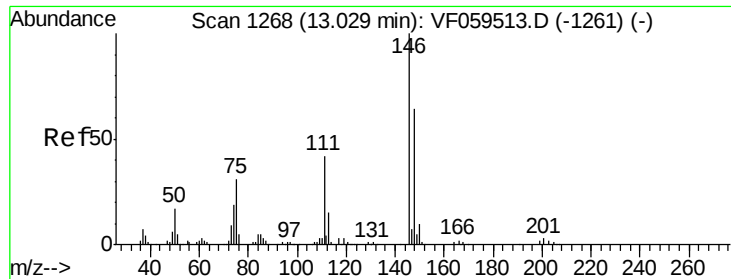
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#90
Hexachloroethane
Concen: 25.09 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.1	32.6	98.0





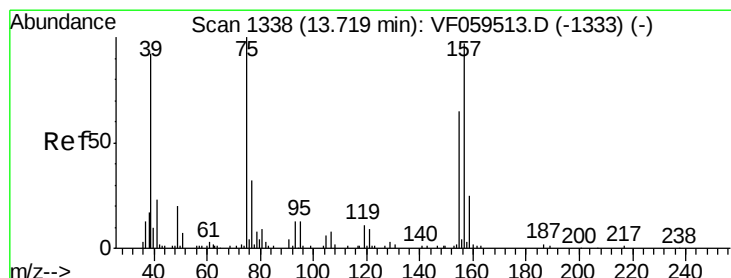
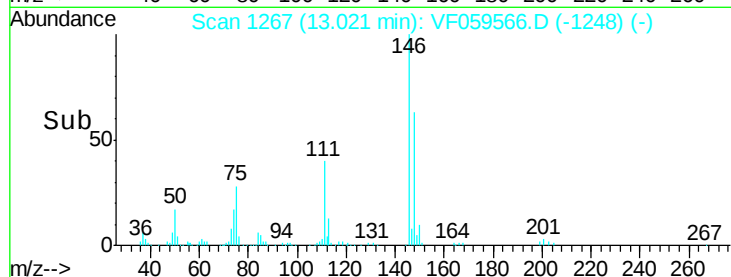
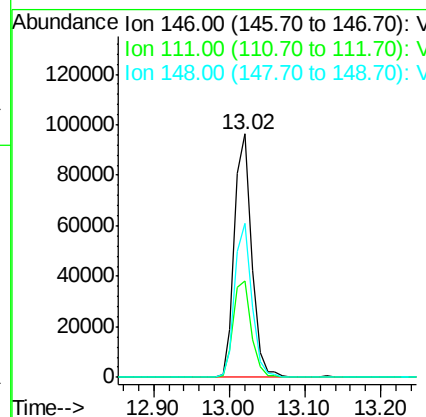
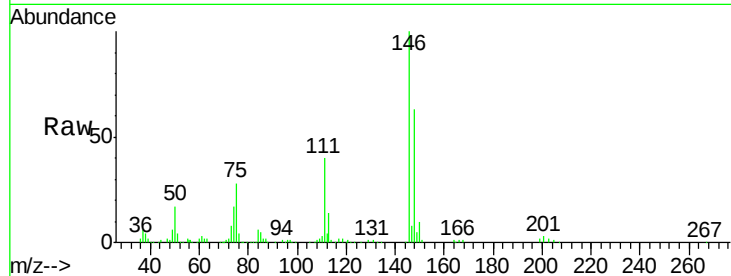
#91
 1,2-Dichlorobenzene
 Concen: 23.16 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	21.1	63.1
148	63.1	32.3	96.8

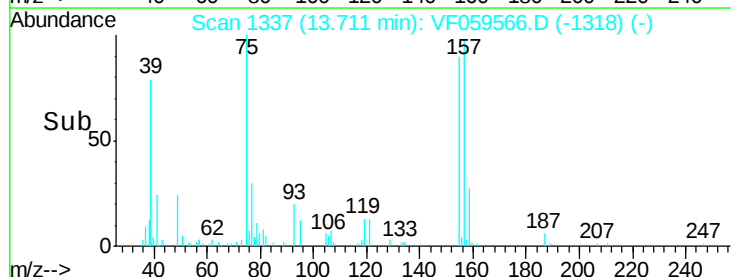
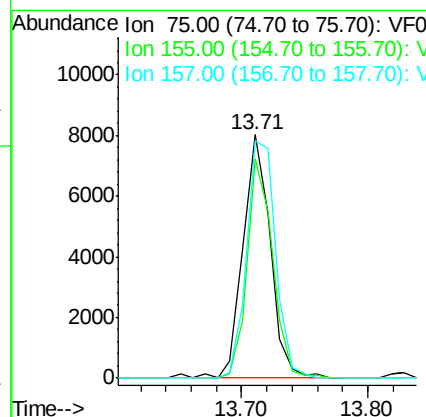
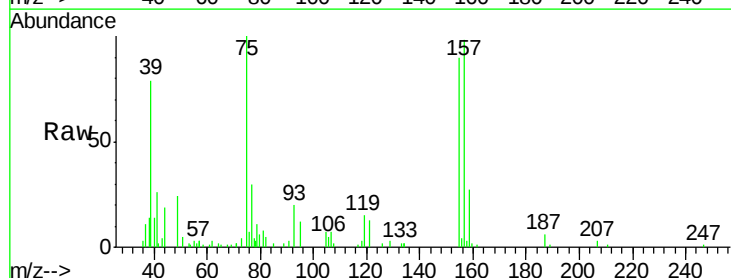
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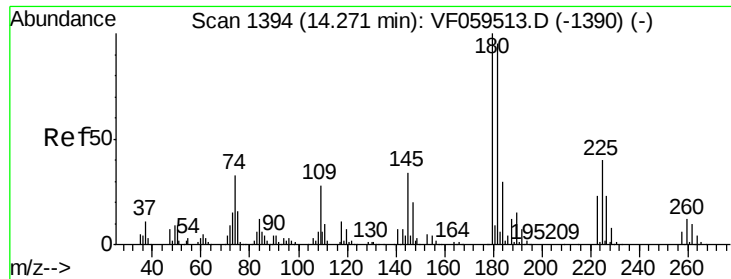
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.95 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	32.8	98.3
157	97.6	48.5	145.5





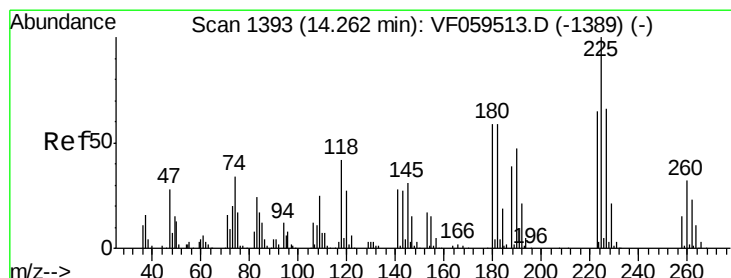
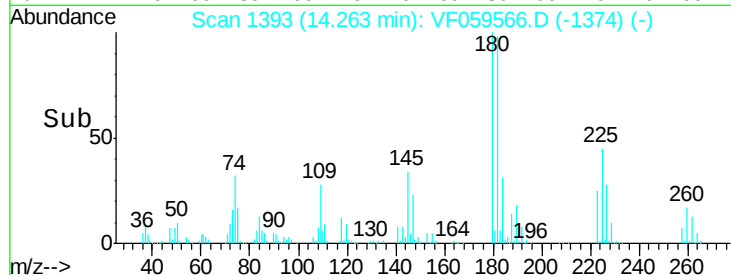
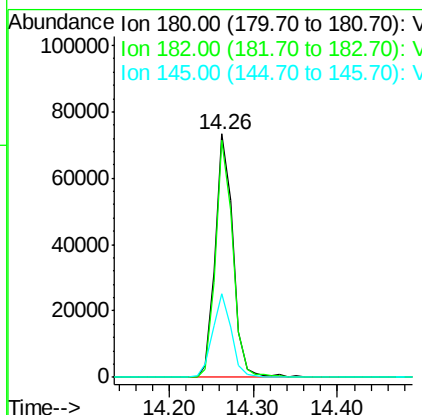
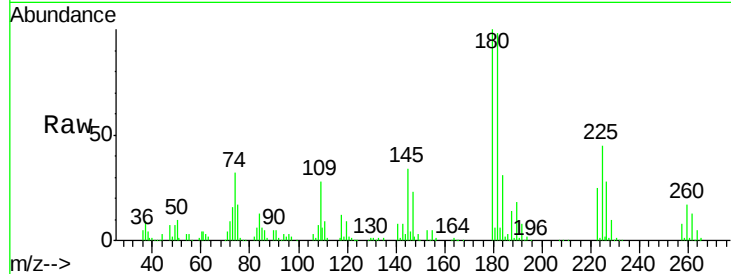
#93
 1,2,4-Trichlorobenzene
 Concen: 27.09 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0719SBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.6	47.5	142.5	
145	34.1	17.3	51.7	

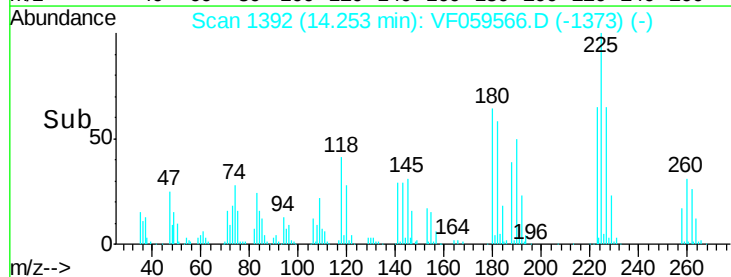
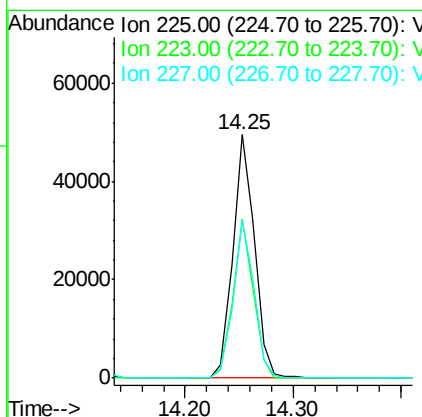
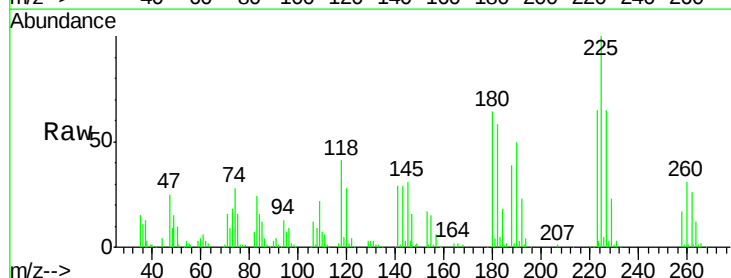
Manual Integrations
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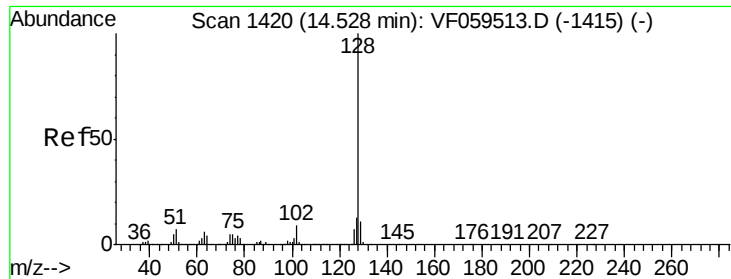
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#94
 Hexachlorobutadiene
 Concen: 33.77 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059566.D
 Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	65.4	32.3	96.8	
227	64.6	33.2	99.6	





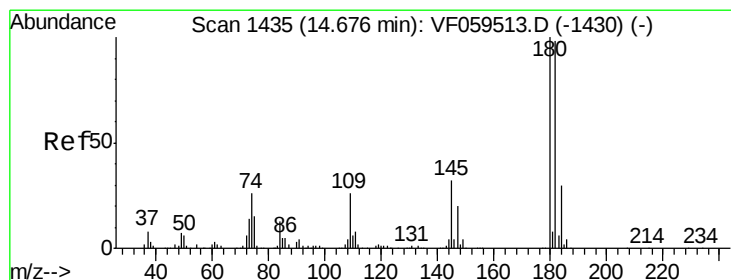
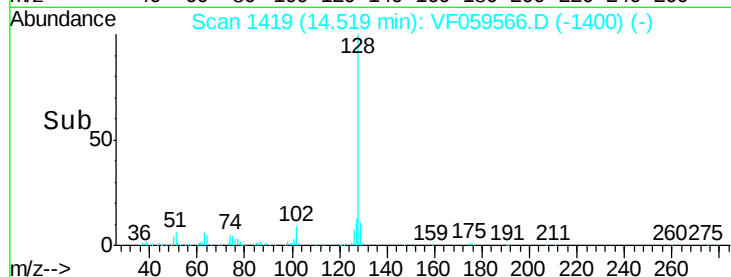
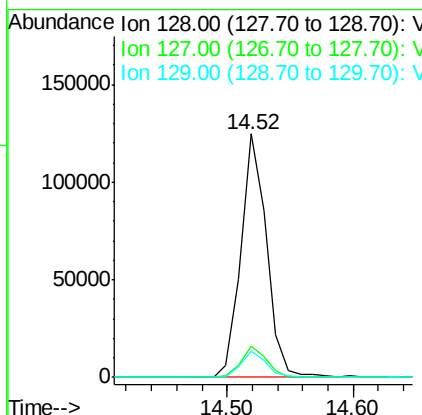
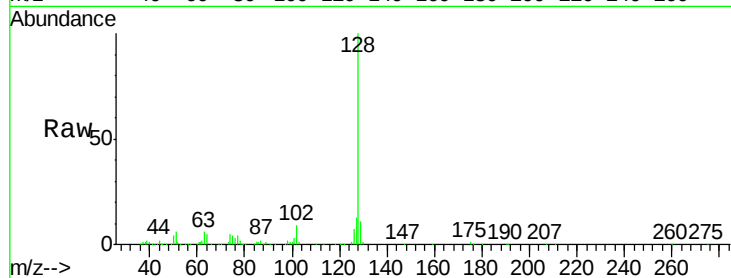
#95
Naphthalene
Concen: 21.16 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Instrument :
MSVOA_F
ClientSampleId :
VF0719SBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.8	9.0	13.4

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 28.02 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF059566.D
Acq: 19 Jul 2018 20:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.8	146.4
145	30.6	16.2	48.6

