

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082018\
 Data File : VF060003.D
 Acq On : 20 Aug 2018 15:41
 Operator : VA/AP
 Sample : VF0820SBSD01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBSD01

Manual Integrations
 APPROVED

apatel
 8/21/2018 10:01:39 AM

Quant Time: Aug 21 05:17:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:11:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	121758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	162441	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	179549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	125016	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	127482	54.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.48%	
35) Dibromofluoromethane	4.29	113	91963	55.39	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	110.78%	
50) Toluene-d8	7.71	98	205498	55.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.32%	
62) 4-Bromofluorobenzene	11.51	95	125010	55.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	51604	24.99	ug/l	97
3) Chloromethane	1.07	50	33027	33.67	ug/l	91
4) Vinyl Chloride	1.12	62	33947	27.53	ug/l	100
5) Bromomethane	1.31	94	29154	26.14	ug/l	98
6) Chloroethane	1.39	64	15050	23.50	ug/l	96
7) Trichlorofluoromethane	1.48	101	86867	24.54	ug/l	99
8) Diethyl Ether	1.70	74	13160	25.20	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.86	101	39776	23.97	ug/l	88
10) Methyl Iodide	1.93	142	51665	24.67	ug/l	97
11) Tert butyl alcohol	2.68	59	15849	115.71	ug/l #	92
12) 1,1-Dichloroethene	1.82	96	27753	24.25	ug/l	77
13) Acrolein	2.09	56	5619	84.84	ug/l	83
14) Allyl chloride	2.19	41	43540	22.42	ug/l	95
15) Acrylonitrile	3.07	53	26252	118.53	ug/l	97
16) Acetone	2.33	43	88846	131.07	ug/l #	92
17) Carbon Disulfide	1.84	76	93439	25.69	ug/l	96
18) Methyl Acetate	2.45	43	31955m	25.05	ug/l	
19) Methyl tert-butyl Ether	2.53	73	84755	22.50	ug/l	99
20) Methylene Chloride	2.27	84	35925	25.56	ug/l	98
21) trans-1,2-Dichloroethene	2.41	96	27395	22.30	ug/l	92
22) Diisopropyl ether	2.93	45	93576	22.53	ug/l	97
23) Vinyl Acetate	3.33	43	187692	112.25	ug/l	98
24) 1,1-Dichloroethane	3.00	63	63604	23.35	ug/l	98
25) 2-Butanone	4.50	43	64605	113.71	ug/l	99
26) 2,2-Dichloropropane	3.76	77	60140	24.93	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	23889	21.26	ug/l	94
28) Bromochloromethane	3.89	49	16896	21.62	ug/l	99
29) Tetrahydrofuran	4.25	42	21032	103.72	ug/l	95
30) Chloroform	4.04	83	69457	22.06	ug/l	100
31) Cyclohexane	3.86	56	25450	20.41	ug/l #	95
32) 1,1,1-Trichloroethane	4.28	97	73208	23.82	ug/l	99
36) 1,1-Dichloropropene	4.45	75	42087	22.75	ug/l #	92
37) Ethyl Acetate	4.29	43	24364	23.82	ug/l #	66
38) Carbon Tetrachloride	4.17	117	68886	25.96	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	33035	23.80	ug/l	97
40) Benzene	4.81	78	76444	24.41	ug/l	94
41) Methacrylonitrile	4.92	41	11647	23.79	ug/l	95
42) 1,2-Dichloroethane	5.11	62	64487	24.28	ug/l	99
43) Isopropyl Acetate	7.11	43	27066	24.05	ug/l #	84
44) Trichloroethene	5.68	130	28102	22.99	ug/l	91
45) 1,2-Dichloropropane	6.41	63	19686	21.97	ug/l	90
46) Dibromomethane	6.26	93	22041	24.95	ug/l	93
47) Bromodichloromethane	6.54	83	56463	23.67	ug/l	97
48) Methyl methacrylate	6.88	41	26218	31.29	ug/l #	86
49) 1,4-Dioxane	6.87	88	4035	574.66	ug/l #	88
51) 4-Methyl-2-Pentanone	8.41	43	130628	124.24	ug/l	92
52) Toluene	7.78	92	51601	22.02	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	47161	23.44	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	48004	24.72	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	22658	24.10	ug/l	97
56) Ethyl methacrylate	8.76	69	26021	23.89	ug/l	98
57) 1,3-Dichloropropane	9.01	76	38442	22.94	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.79	63	12526	137.09	ug/l	100
59) 2-Hexanone	9.63	43	109500	126.13	ug/l	96
60) Dibromochloromethane	8.87	129	39695	23.10	ug/l	94
61) 1,2-Dibromoethane	9.14	107	27106	23.11	ug/l	96
64) Tetrachloroethene	8.31	164	29473	21.54	ug/l	97
65) Chlorobenzene	9.94	112	75626	21.34	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	36476	22.37	ug/l	93
67) Ethyl Benzene	10.04	91	147794	22.97	ug/l	100
68) m/p-Xylenes	10.27	106	102822	46.12	ug/l	93
69) o-Xylene	10.83	106	49987	21.87	ug/l	90
70) Styrene	10.90	104	85174	23.26	ug/l	97
71) Bromoform	10.89	173	27391	22.72	ug/l	100
73) Isopropylbenzene	11.23	105	170669	22.77	ug/l	98
74) N-amyl acetate	11.46	43	47480	22.32	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	32030	21.77	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	29121	22.34	ug/l	97
77) Bromobenzene	11.60	156	44009	21.05	ug/l	91
78) n-propylbenzene	11.69	91	205538	22.09	ug/l	98
79) 2-Chlorotoluene	11.82	91	129968	22.99	ug/l	100
80) 1,3,5-Trimethylbenzene	11.92	105	153041	22.59	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	10749m	19.54	ug/l	
82) 4-Chlorotoluene	11.99	91	143017	23.12	ug/l	91
83) tert-Butylbenzene	12.22	119	160813	24.16	ug/l	93
84) 1,2,4-Trimethylbenzene	12.29	105	163079	22.86	ug/l	96
85) sec-Butylbenzene	12.39	105	196770	22.36	ug/l	96
86) p-Isopropyltoluene	12.54	119	179291	23.03	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	91058	22.82	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	92014	23.56	ug/l	96
89) n-Butylbenzene	12.92	91	178587	23.75	ug/l	95
90) Hexachloroethane	13.00	117	41157	23.47	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	87408	22.89	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.72	75	8988	22.09	ug/l	86

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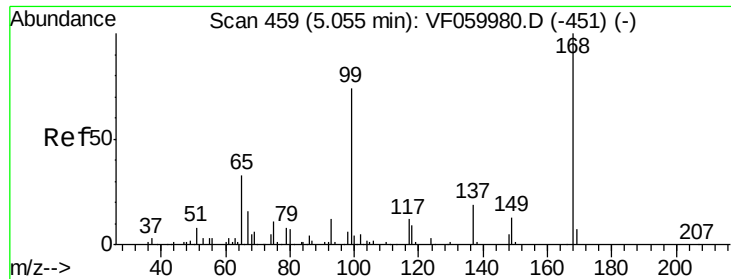
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	70652	22.67	µg/l	97
94) Hexachlorobutadiene	14.26	225	46152	22.11	µg/l	92
95) Naphthalene	14.53	128	95750	21.83	µg/l #	96
96) 1,2,3-Trichlorobenzene	14.68	180	67488	22.46	µg/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

Tot Ion:168 Resp: 121758

Ion Ratio Lower Upper

168 100

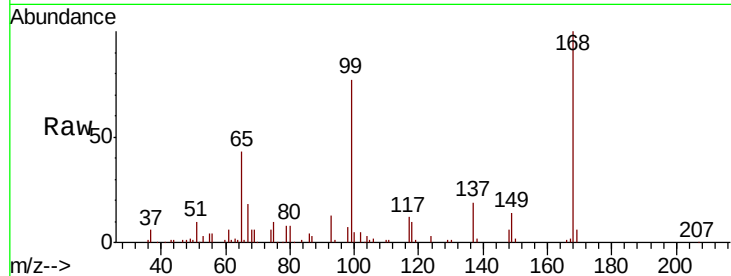
99 76.9 59.0 88.6

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

40000

30000

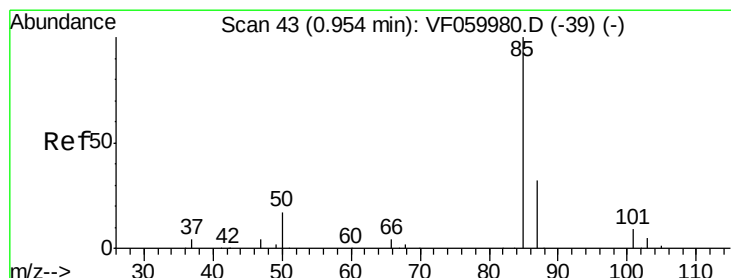
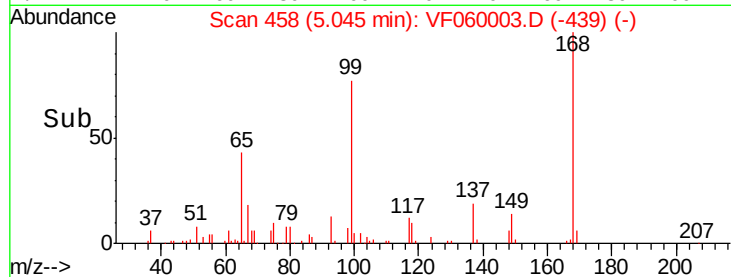
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 24.99 ug/l

RT: 0.95 min Scan# 43

Delta R.T. -0.00 min

Lab File: VF060003.D

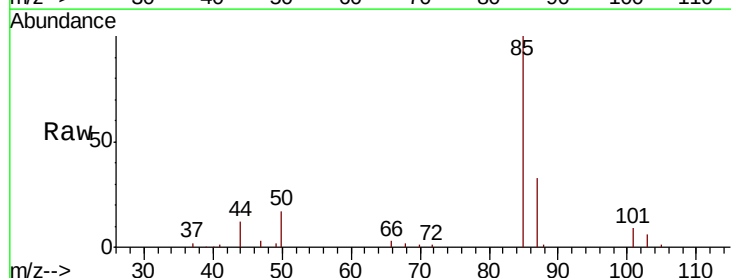
Acq: 20 Aug 2018 15:41

Tgt Ion: 85 Resp: 51604

Ion Ratio Lower Upper

85 100

87 33.4 15.9 47.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

40000

30000

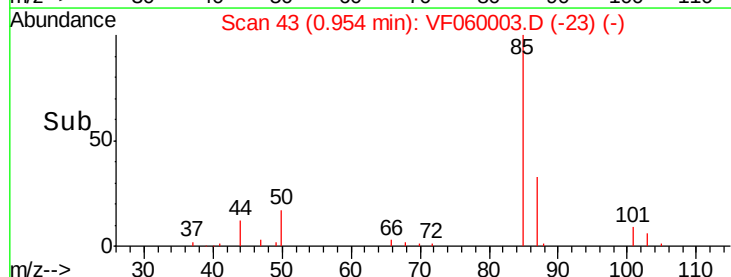
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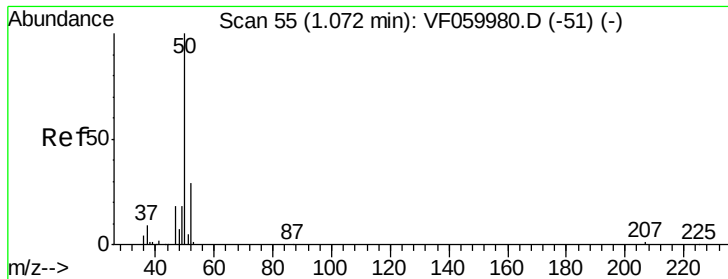
10000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 33.67 ug/l

RT: 1.07 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

Tot Ion: 50 Resp: 33027

Ion Ratio Lower Upper

50 100

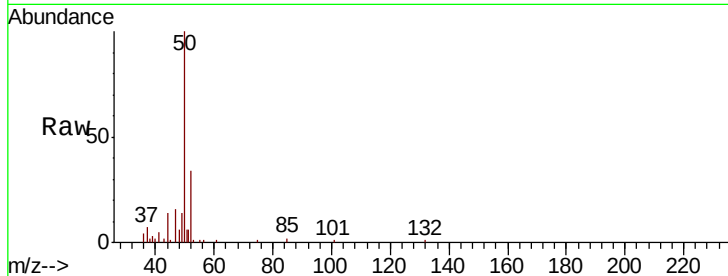
52 34.3 23.6 35.4

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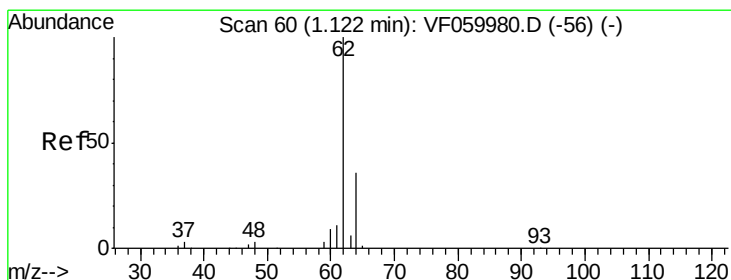
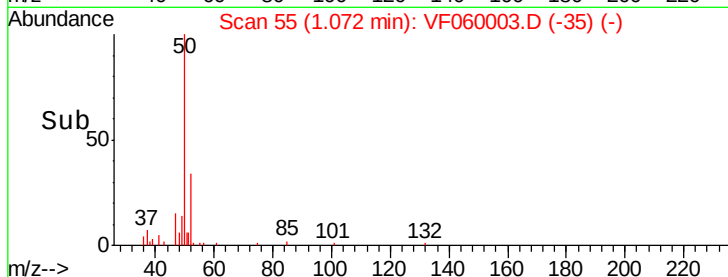
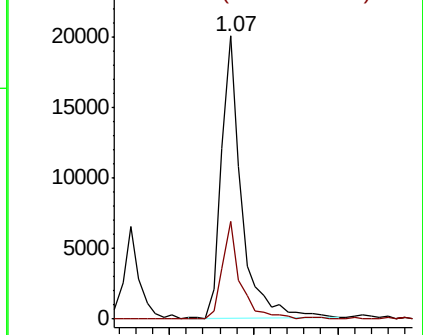
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 27.53 ug/l

RT: 1.12 min Scan# 60

Delta R.T. 0.00 min

Lab File: VF060003.D

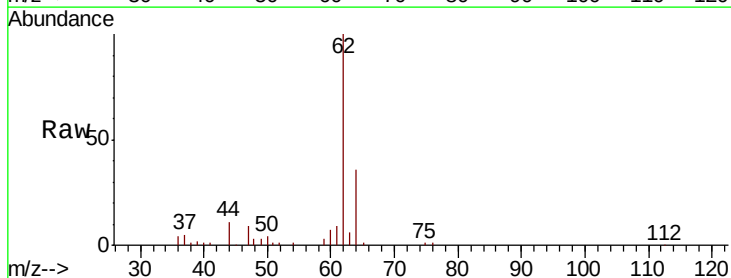
Acq: 20 Aug 2018 15:41

Tgt Ion: 62 Resp: 33947

Ion Ratio Lower Upper

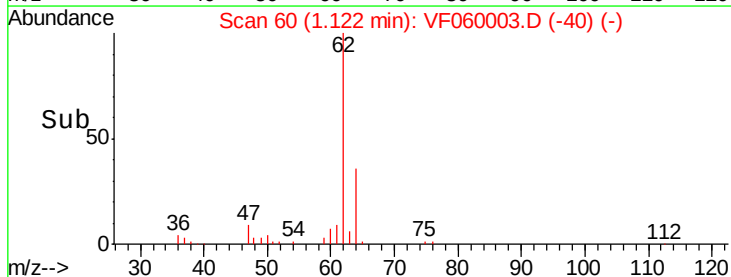
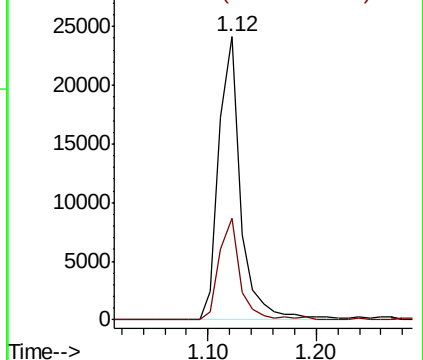
62 100

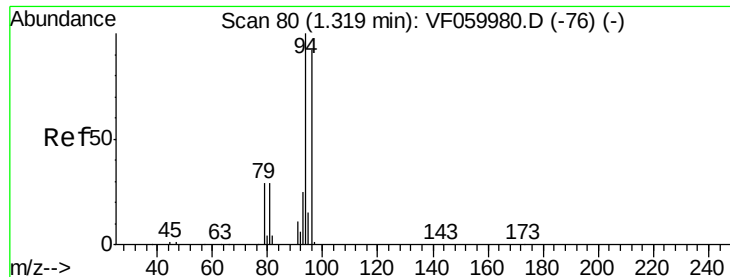
64 35.7 28.7 43.1



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 26.14 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

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ClientSampleId :

VF0820SBS01

Tot Ion: 94 Resp: 29154

Ion Ratio Lower Upper

94 100

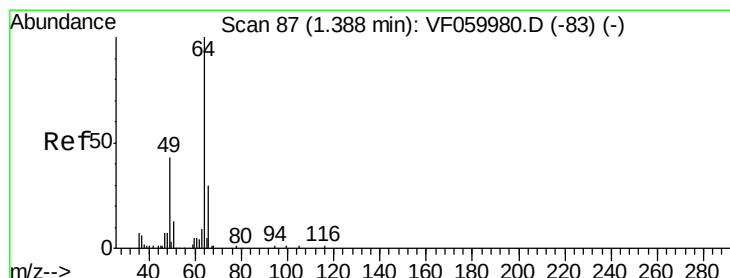
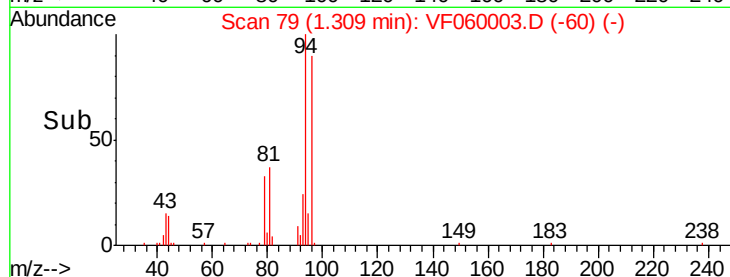
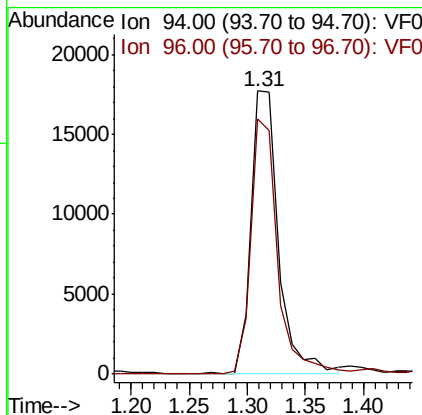
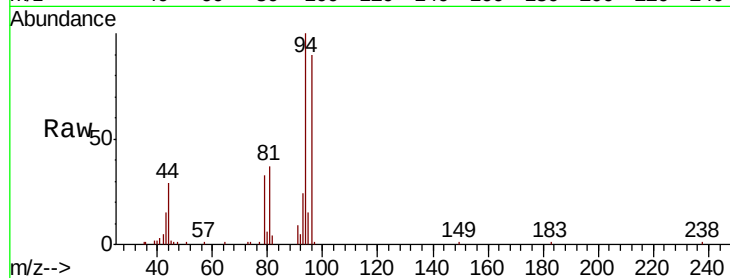
96 90.1 73.9 110.9

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#6

Chloroethane

Concen: 23.50 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF060003.D

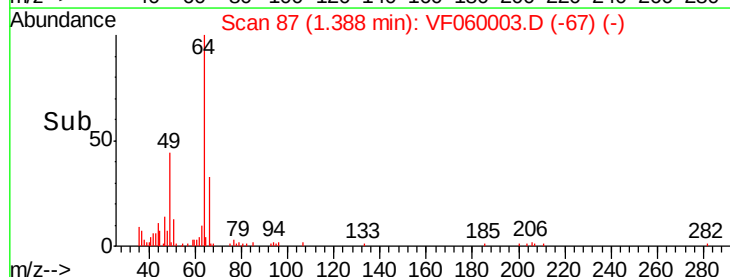
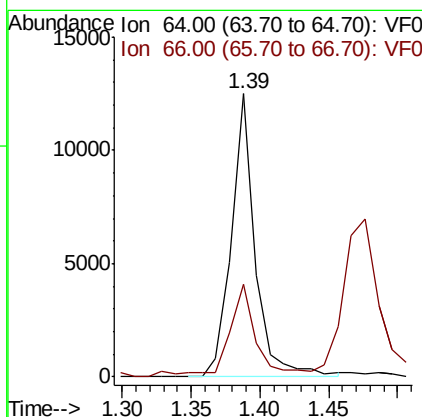
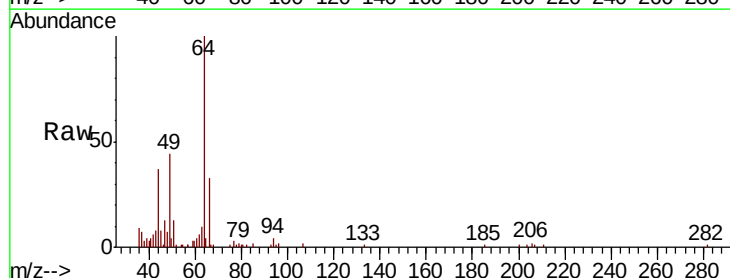
Acq: 20 Aug 2018 15:41

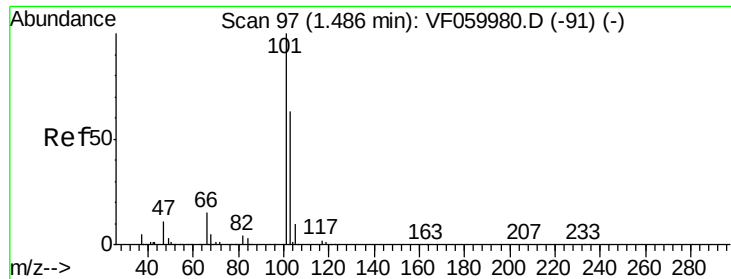
Tgt Ion: 64 Resp: 15050

Ion Ratio Lower Upper

64 100

66 32.6 24.4 36.6





#7

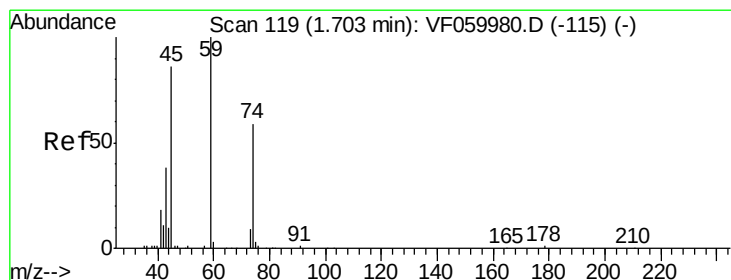
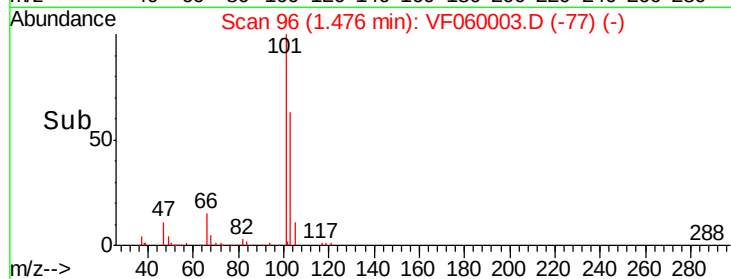
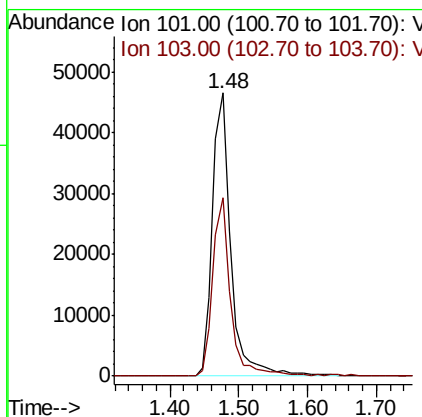
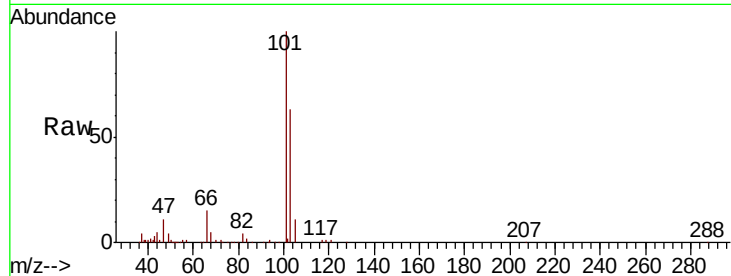
Trichlorofluoromethane
 Concen: 24.54 ug/l
 RT: 1.48 min Scan# 96
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Instrument :
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 ClientSampleId :
 VF0820SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	50.8	76.2

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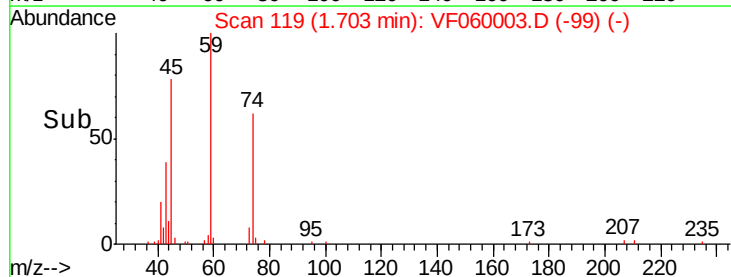
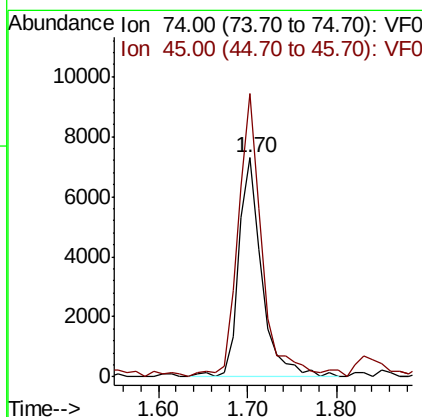
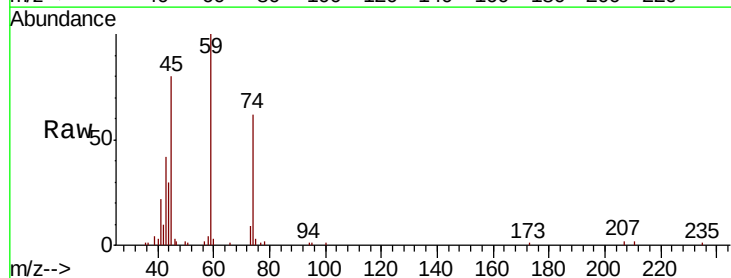
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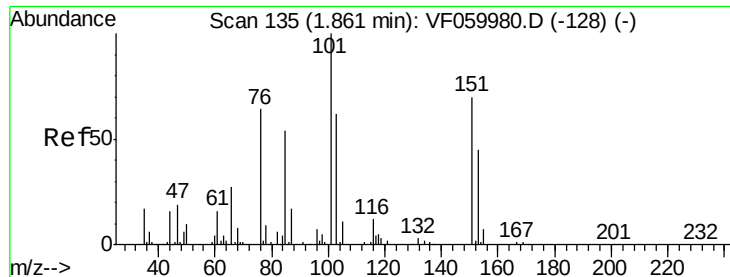


#8

Diethyl Ether
 Concen: 25.20 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. -0.00 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	129.3	73.5	220.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.97 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

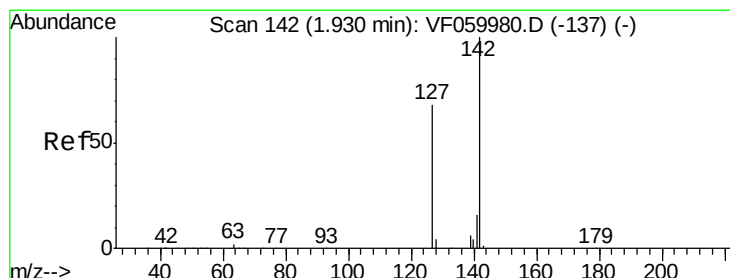
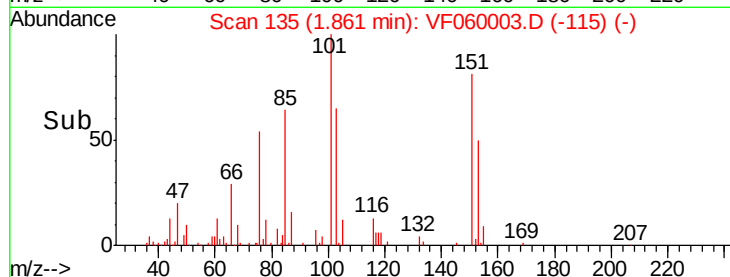
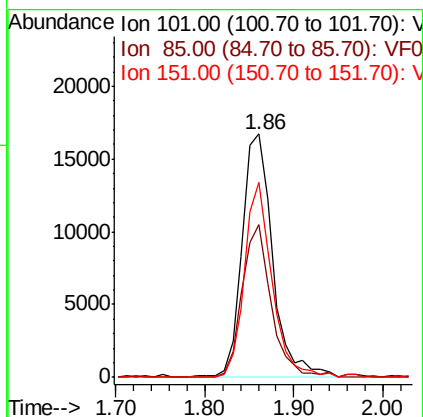
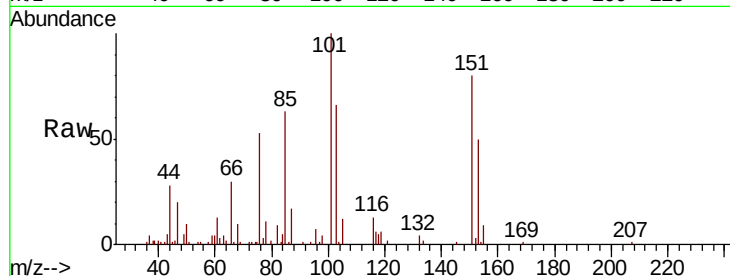
ClientSampleId :

VF0820SBS01

Tot Ion:	101	Resp:	39776
Ion Ratio	Lower	Upper	
101	100		
85	62.8	43.0	64.6
151	80.2	56.2	84.2

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#10

Methyl Iodide

Concen: 24.67 ug/l

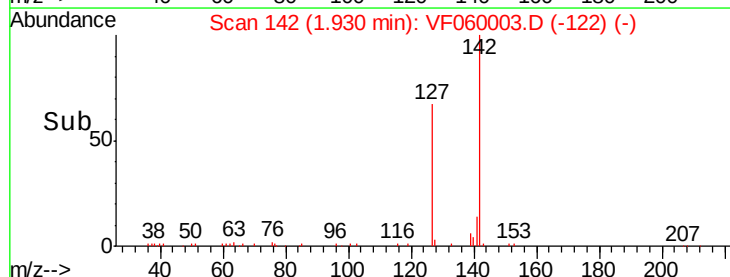
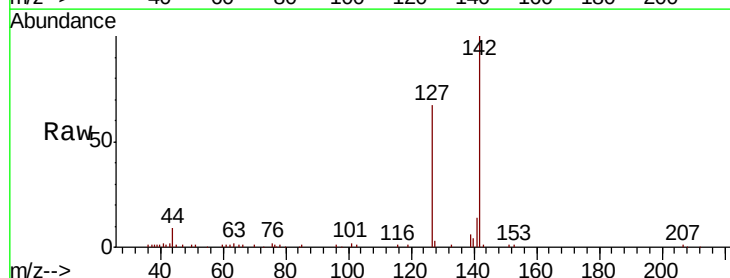
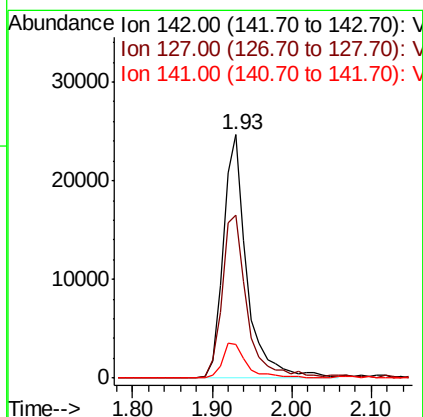
RT: 1.93 min Scan# 142

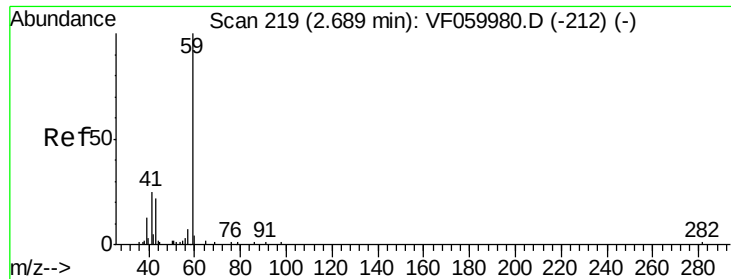
Delta R.T. -0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Tgt Ion:	142	Resp:	51665
Ion Ratio	Lower	Upper	
142	100		
127	70.1	54.1	81.1
141	13.6	12.5	18.7





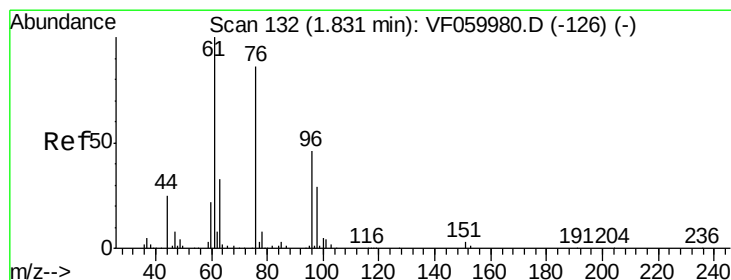
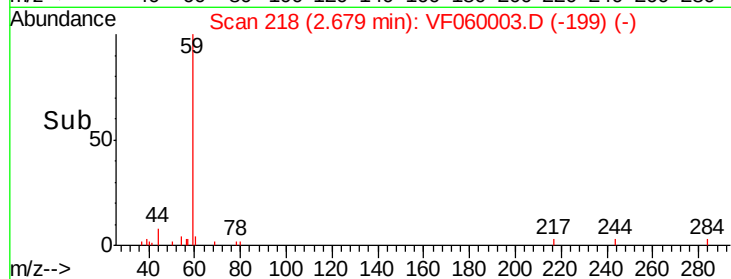
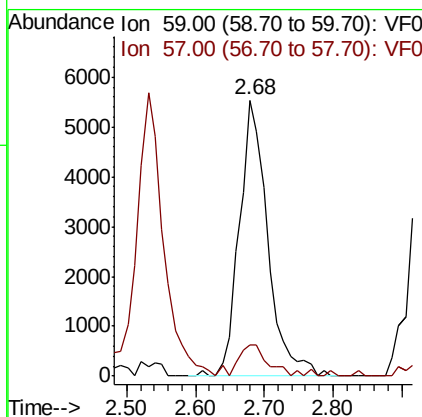
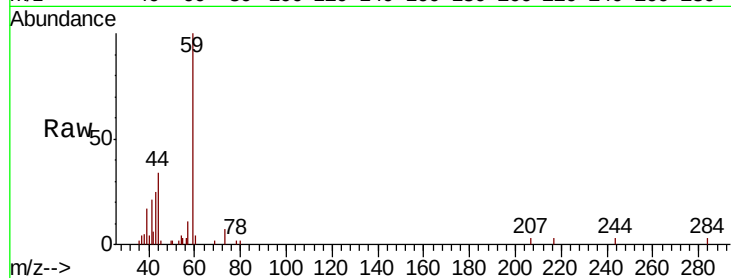
#11
Tert butyl alcohol
Concen: 115.71 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	59	Resp	15849
Ion Ratio	Lower	Upper	
59	100		
57	11.5	6.8	10.2#

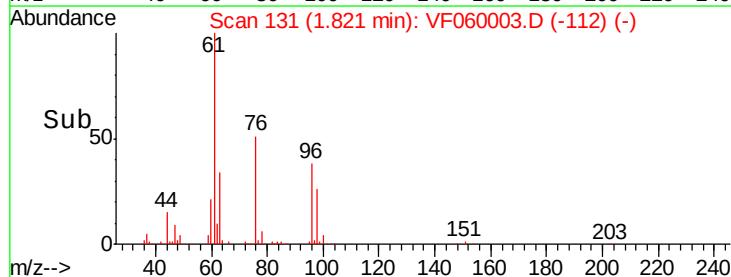
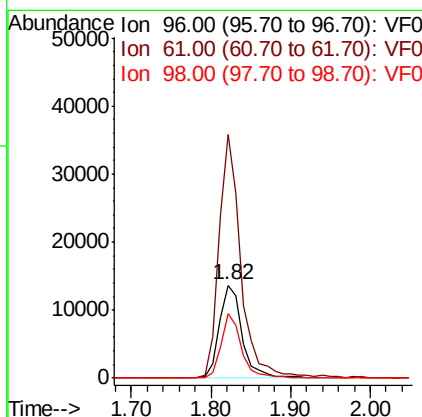
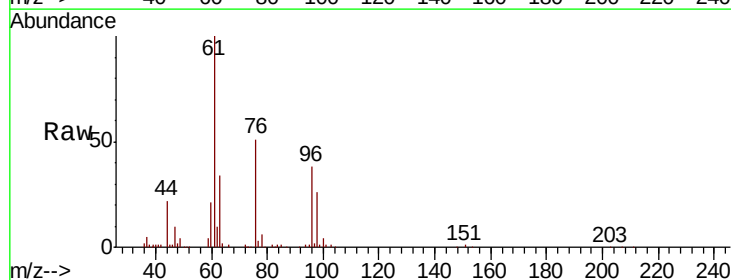
Manual Integrations
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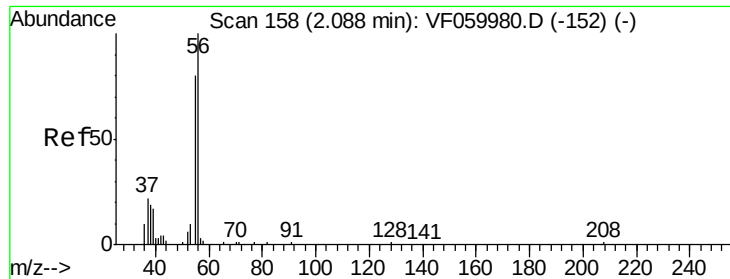
apatel
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#12
1,1-Dichloroethene
Concen: 24.25 ug/l
RT: 1.82 min Scan# 131
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion	96	Resp	27753
Ion Ratio	Lower	Upper	
96	100		
61	262.9	175.6	263.4
98	69.6	50.6	75.8





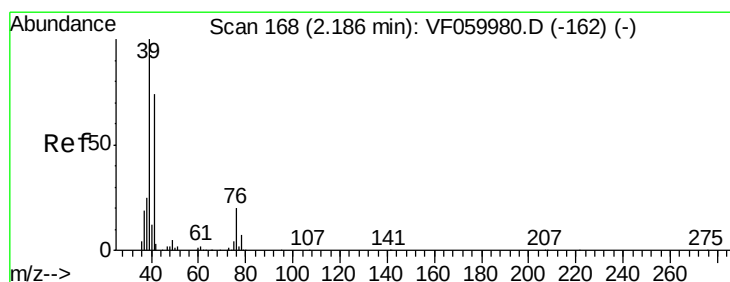
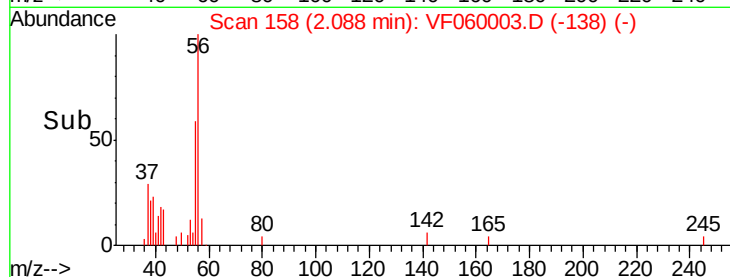
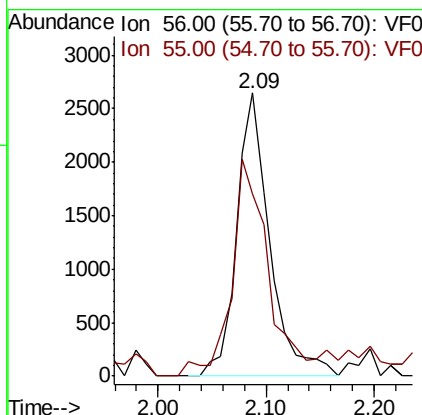
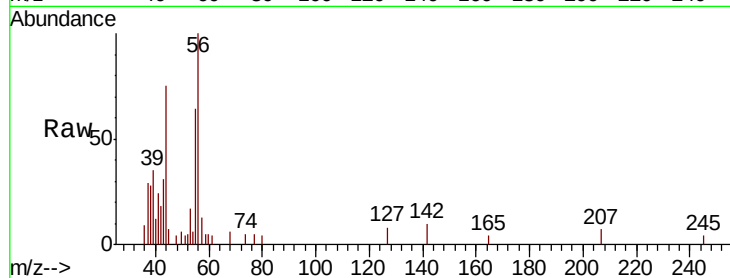
#13
 Acrolein
 Concen: 84.84 ug/l
 RT: 2.09 min Scan# 158
 Delta R.T. 0.00 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Tot Ion	56	Resp	5619
Ion Ratio	100	Lower	Upper
55	64.4	63.8	95.6

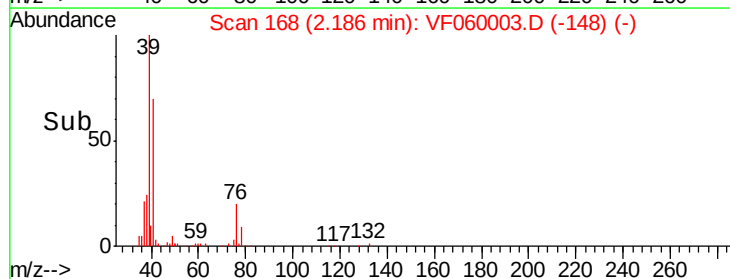
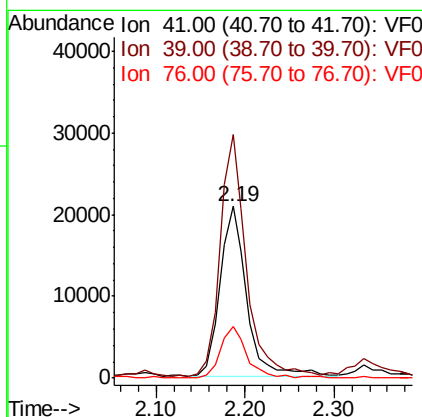
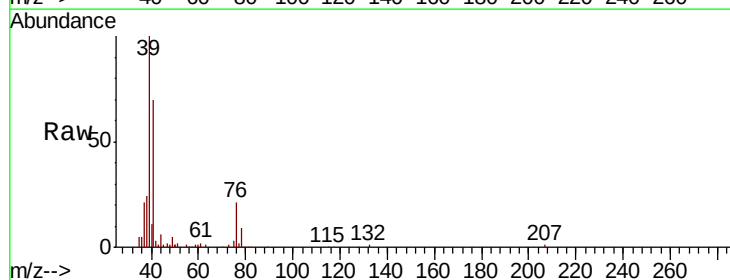
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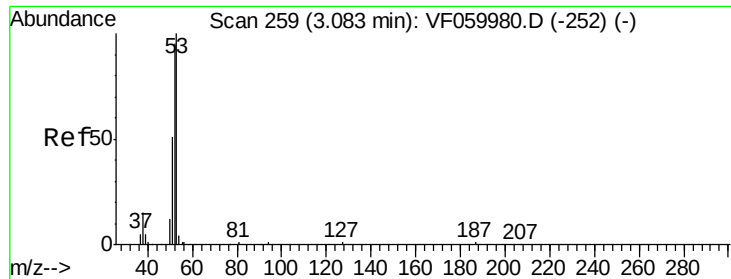
apatel
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#14
 Allyl chloride
 Concen: 22.42 ug/l
 RT: 2.19 min Scan# 168
 Delta R.T. 0.00 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Tgt Ion	41	Resp	43540
Ion Ratio	100	Lower	Upper
39	142.0	109.3	163.9
76	30.5	21.3	31.9





#15

Acrylonitrile

Concen: 118.53 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

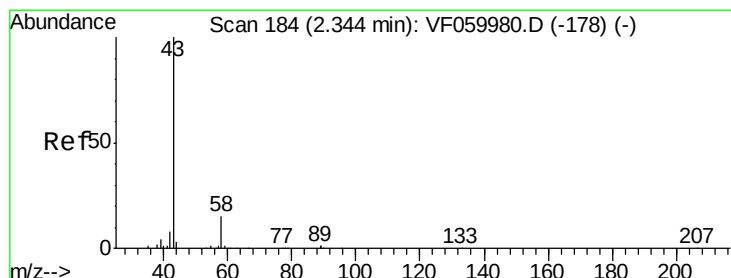
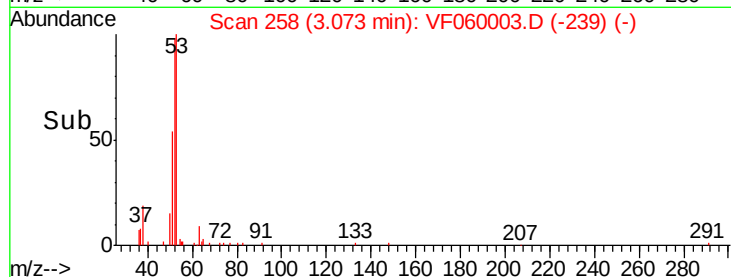
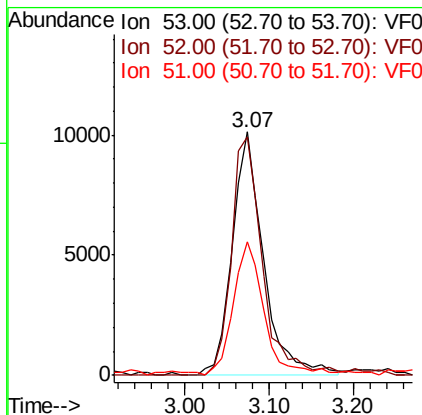
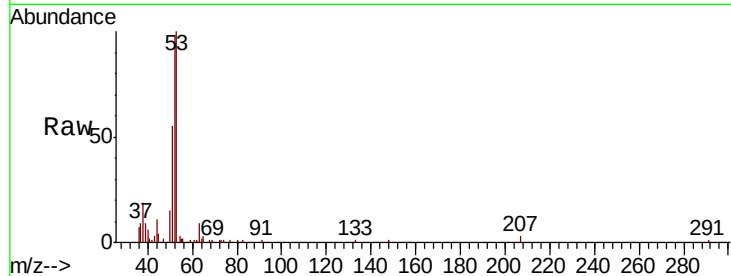
ClientSampleId :

VF0820SBS01

Tot Ion:	53	Resp:	26252
Ion	Ratio	Lower	Upper
53	100		
52	98.0	76.0	114.0
51	55.1	41.9	62.9

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#16

Acetone

Concen: 131.07 ug/l

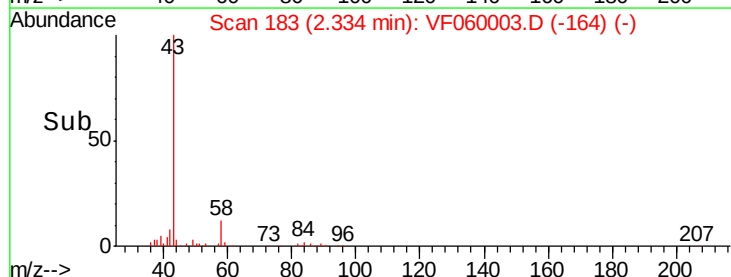
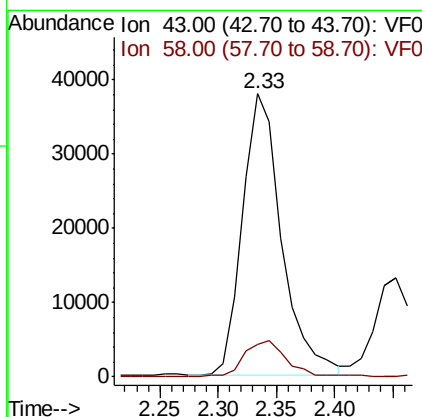
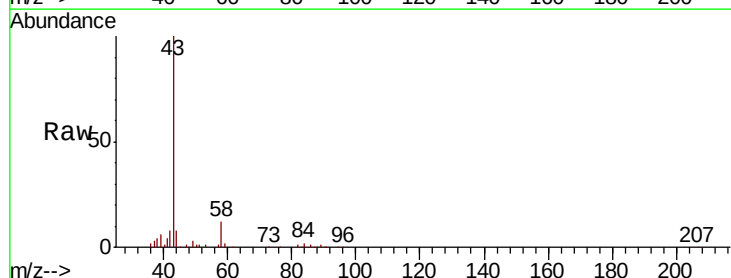
RT: 2.33 min Scan# 183

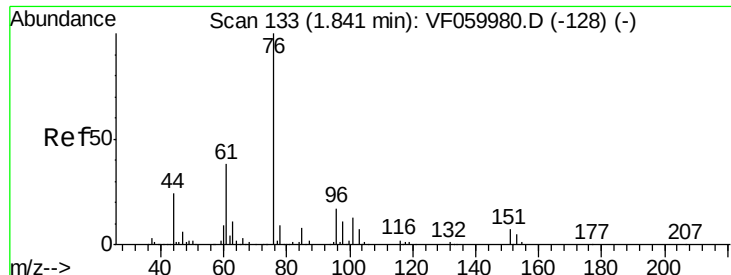
Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Tgt Ion:	43	Resp:	88846
Ion	Ratio	Lower	Upper
43	100		
58	11.6	11.9	17.9#





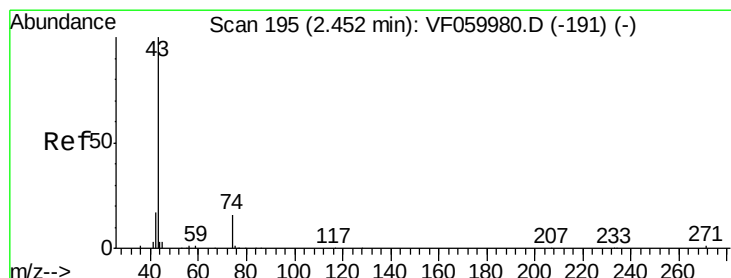
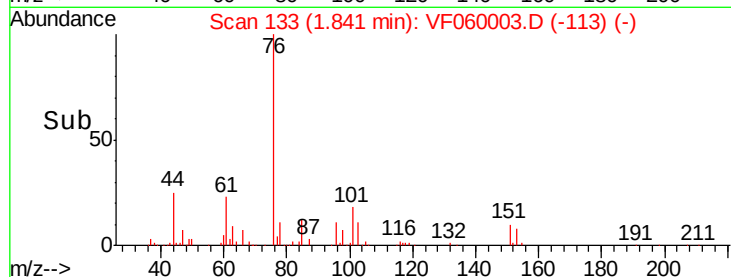
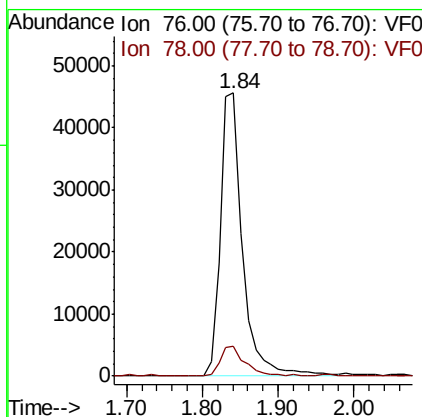
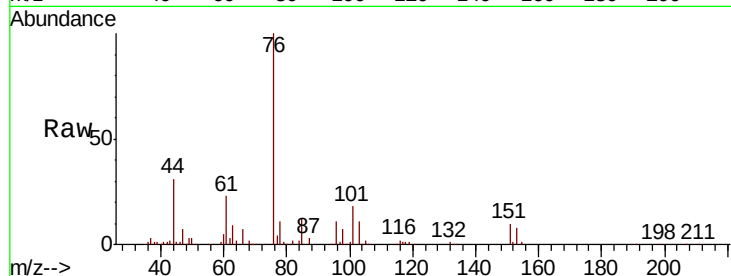
#17
Carbon Disulfide
Concen: 25.69 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.6	7.2	10.8

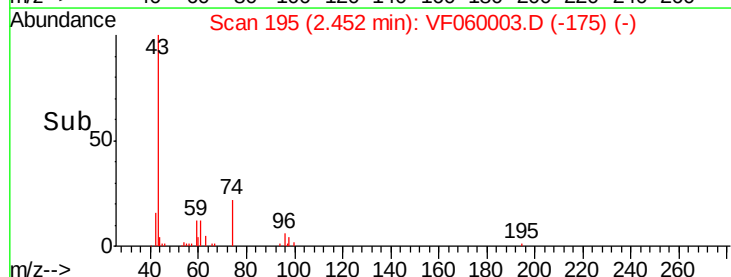
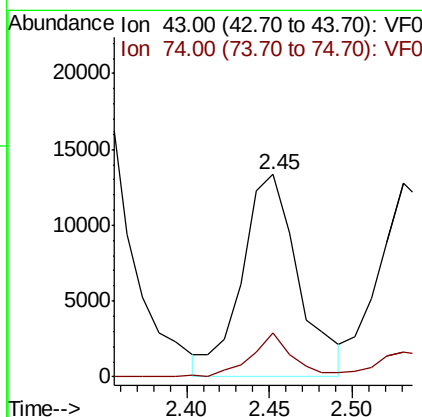
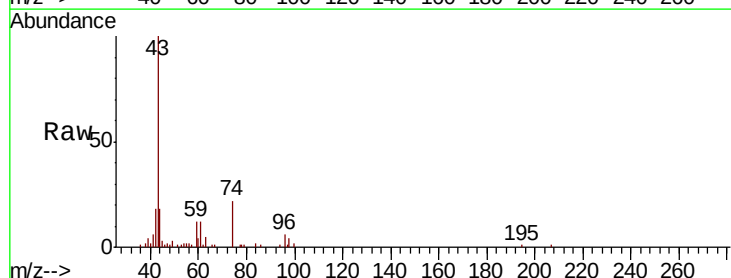
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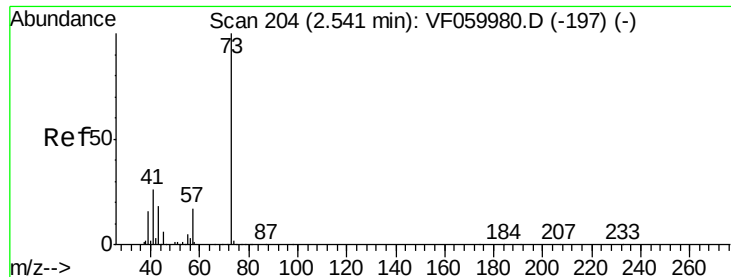
apatel
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#18
Methyl Acetate
Concen: 25.05 ug/l m
RT: 2.45 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	12.3	18.5#





#19

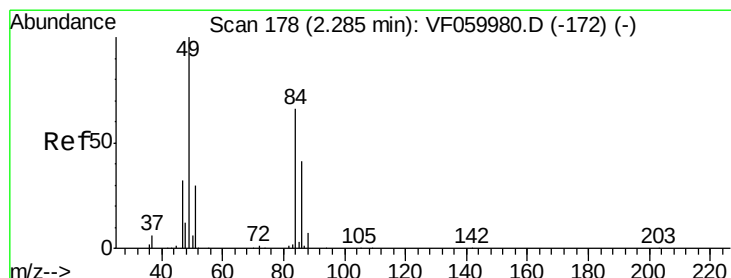
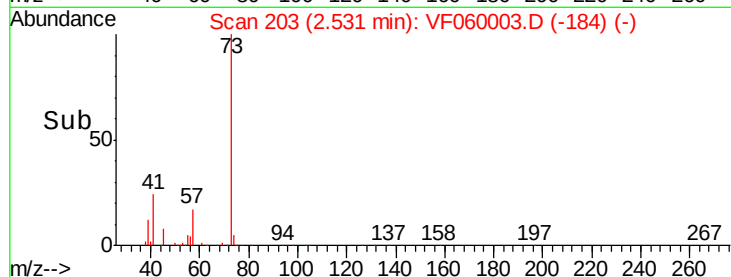
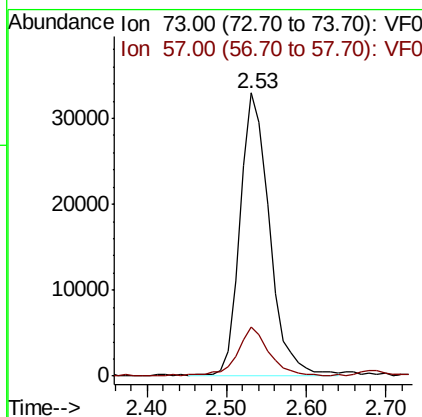
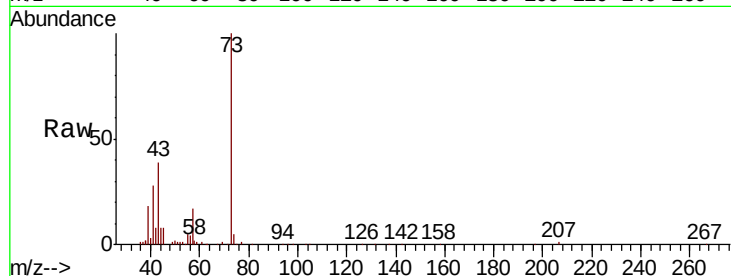
Methyl tert-butyl Ether
 Concen: 22.50 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0820SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.2	14.2	21.2

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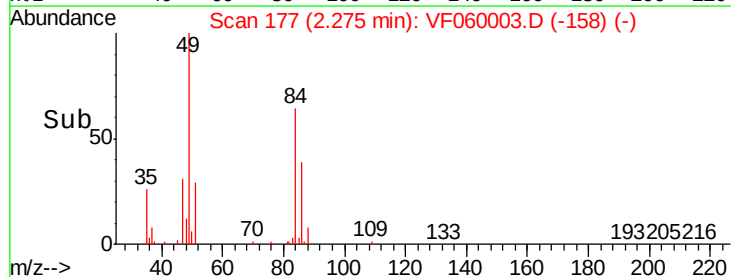
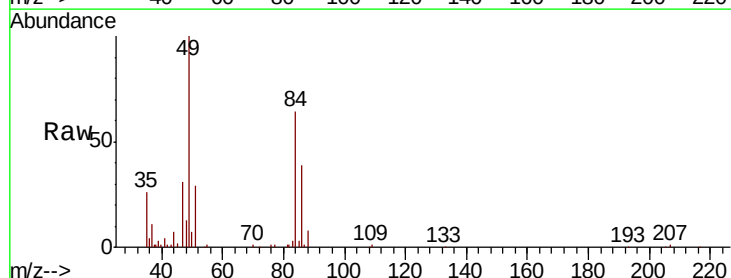
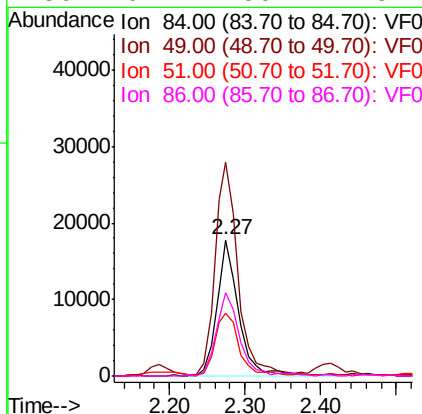
apatel
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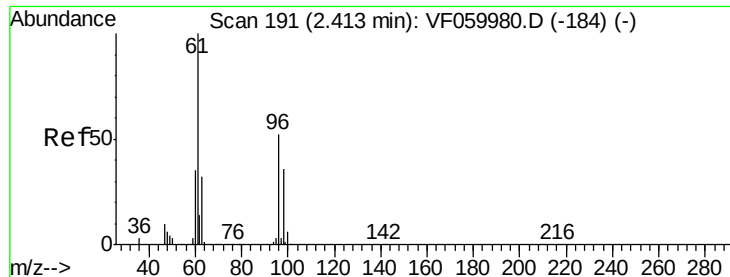


#20

Methylene Chloride
 Concen: 25.56 ug/l
 RT: 2.27 min Scan# 177
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.2	122.5	183.7
51	45.8	37.1	55.7
86	61.7	50.2	75.2





#21

trans-1,2-Dichloroethene

Concen: 22.30 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

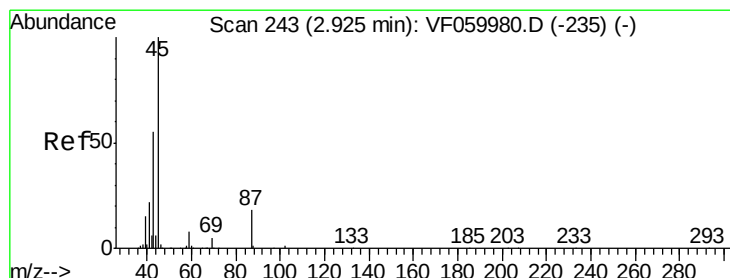
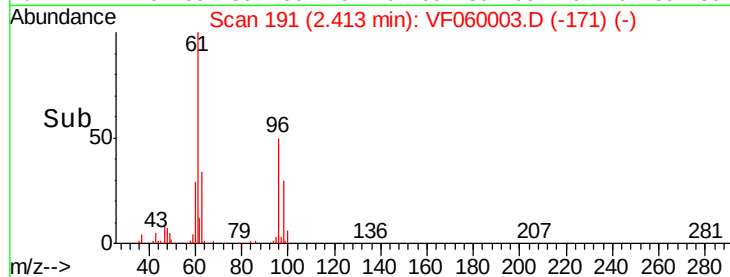
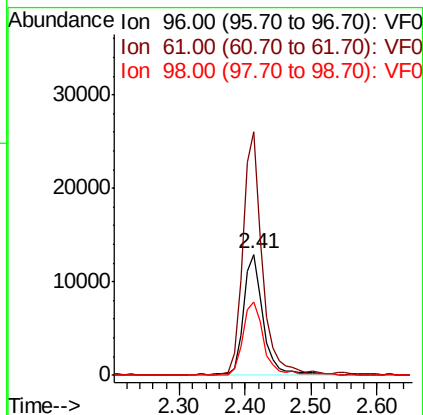
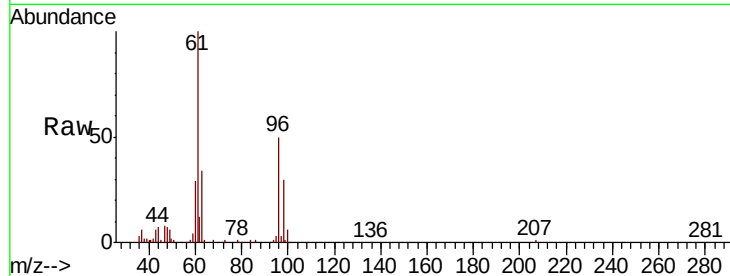
ClientSampleId :

VF0820SBS01

Tot Ion:	96	Resp:	27395
Ion Ratio	Lower	Upper	
96	100		
61	201.3	153.0	229.4
98	60.5	55.5	83.3

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#22

Diisopropyl ether

Concen: 22.53 ug/l

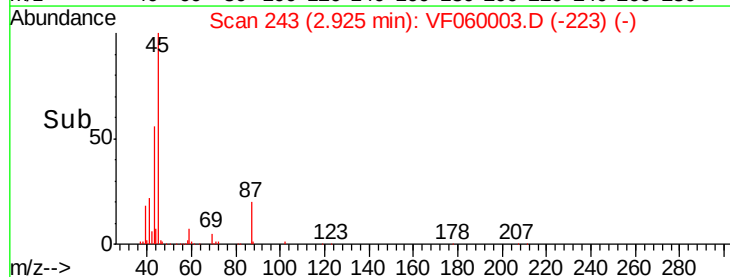
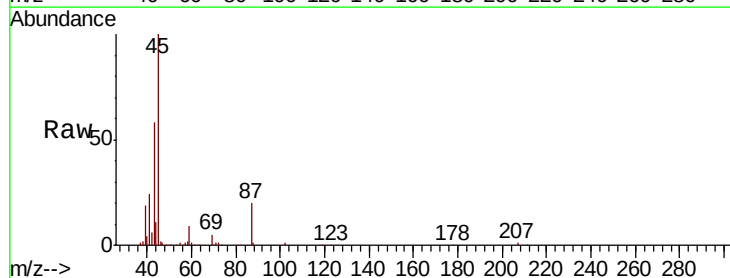
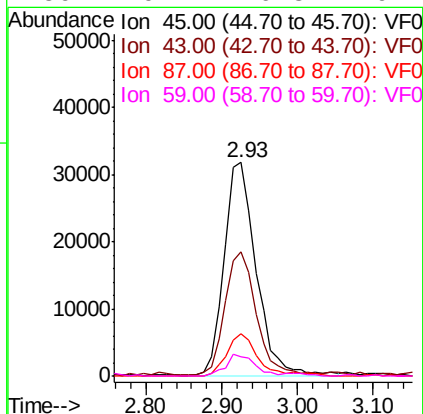
RT: 2.93 min Scan# 243

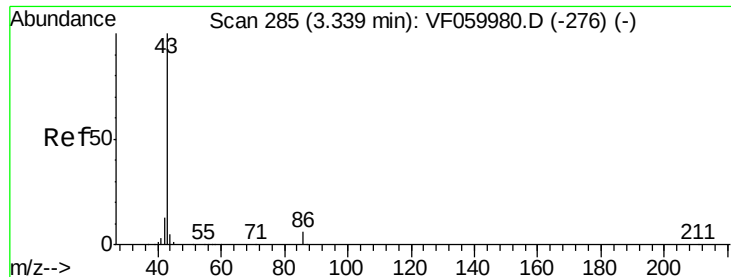
Delta R.T. -0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Tgt Ion:	45	Resp:	93576
Ion Ratio	Lower	Upper	
45	100		
43	58.0	44.8	67.2
87	19.6	14.6	21.8
59	9.2	6.8	10.2





#23

Vinyl Acetate

Concen: 112.25 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

Tot Ion: 43 Resp: 187692

Ion Ratio Lower Upper

43 100

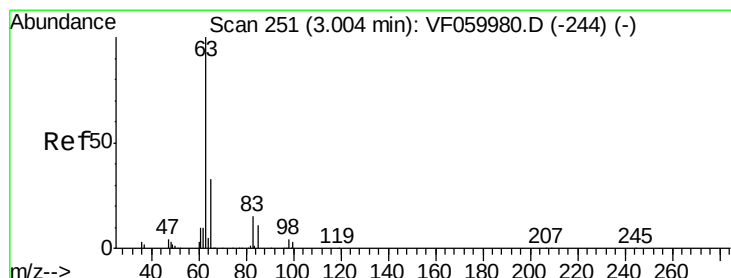
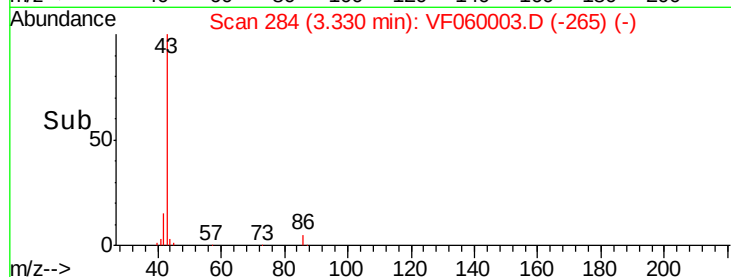
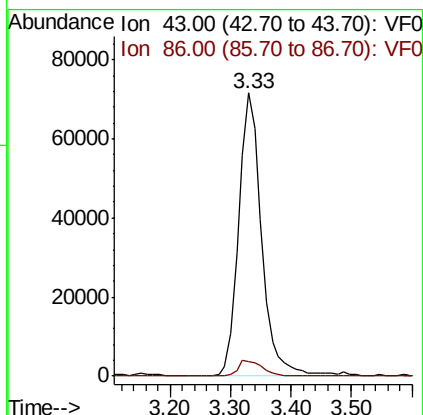
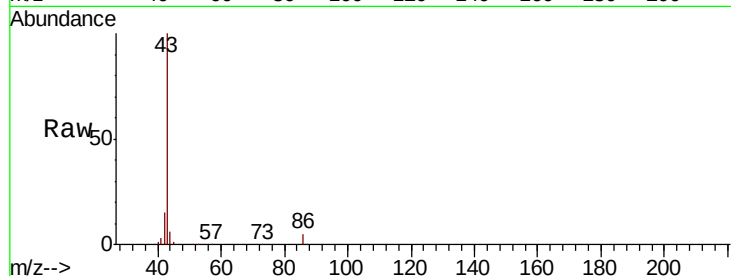
86 4.9 4.4 6.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 23.35 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

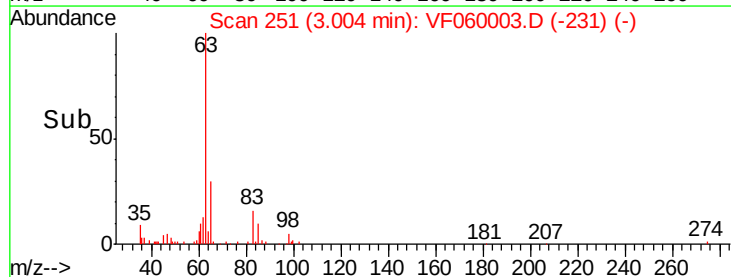
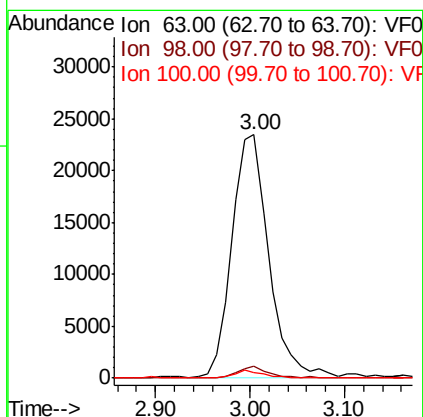
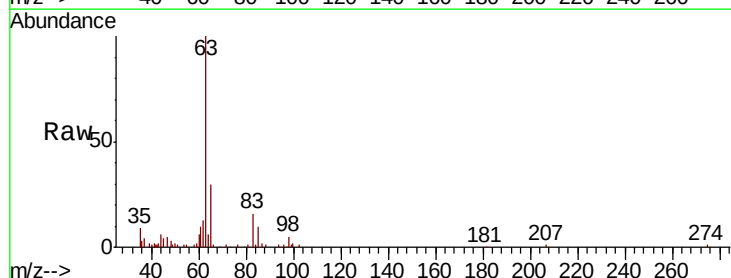
Tgt Ion: 63 Resp: 63604

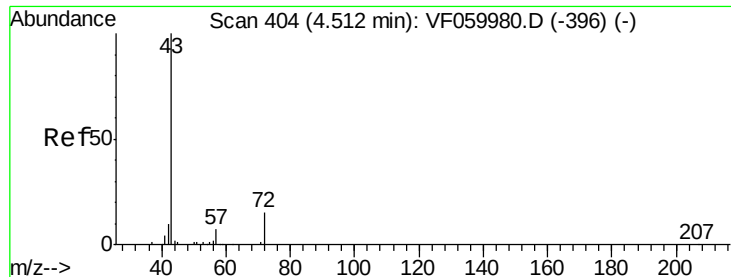
Ion Ratio Lower Upper

63 100

98 4.8 2.0 5.8

100 2.5 1.4 4.2





#25

2-Butanone

Concen: 113.71 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

Tot Ion: 43 Resp: 64605

Ion Ratio Lower Upper

43 100

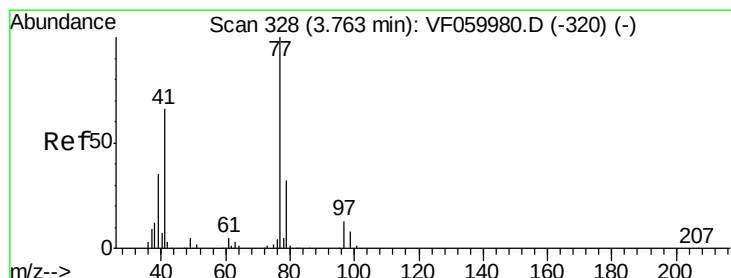
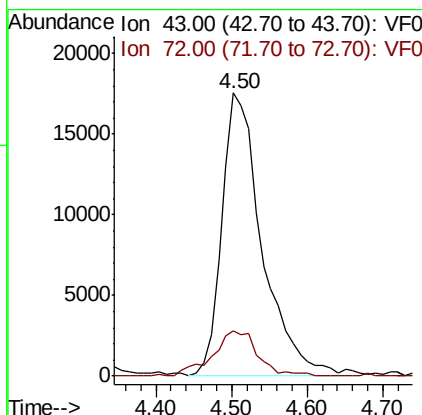
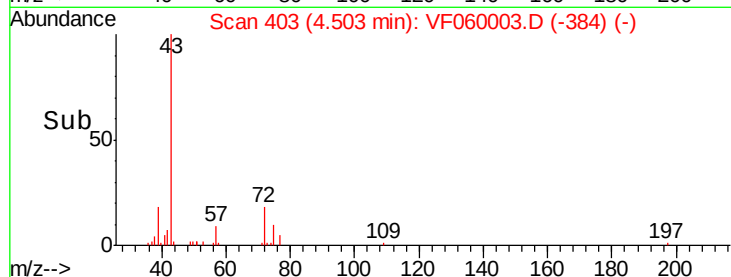
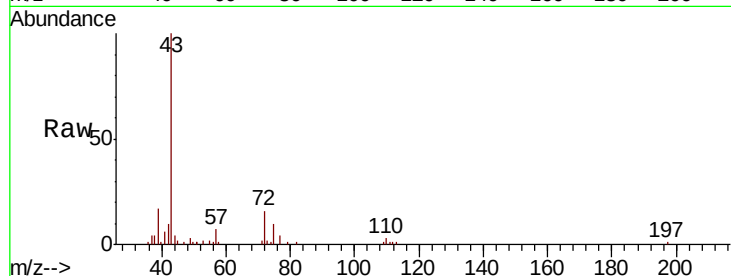
72 16.0 12.5 18.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 24.93 ug/l

RT: 3.76 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF060003.D

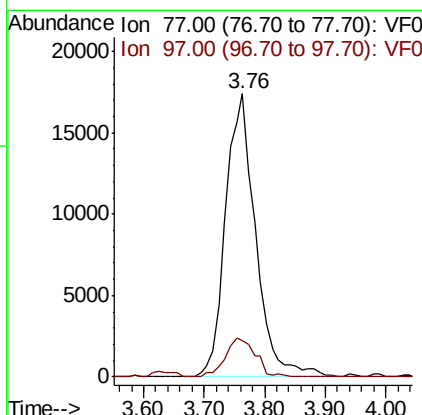
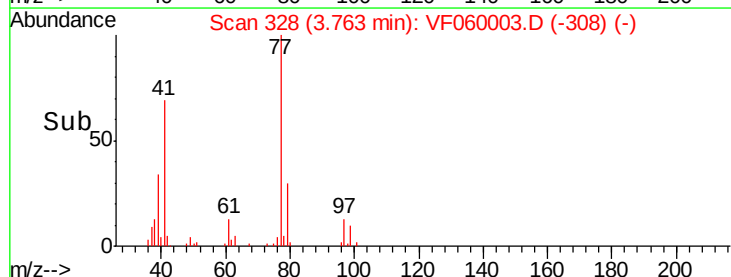
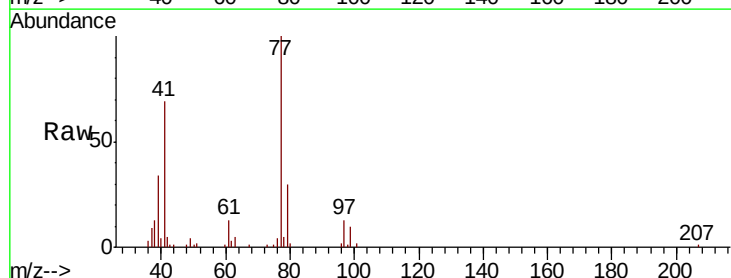
Acq: 20 Aug 2018 15:41

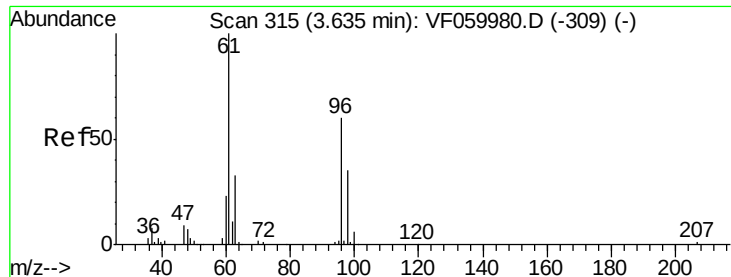
Tgt Ion: 77 Resp: 60140

Ion Ratio Lower Upper

77 100

97 12.9 6.7 20.0





#27

cis-1,2-Dichloroethene

Concen: 21.26 ug/l

RT: 3.64 min Scan# 315

Delta R.T. -0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

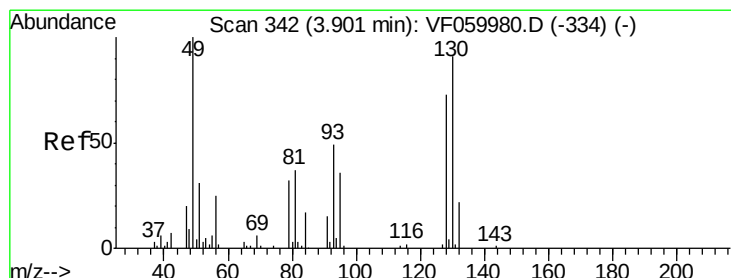
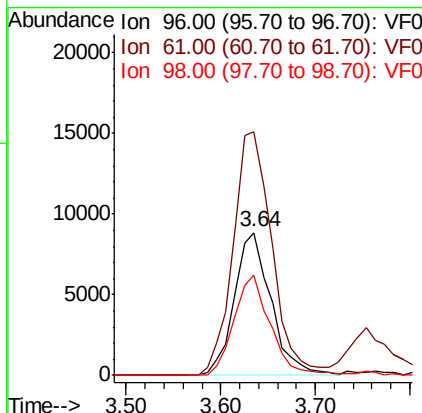
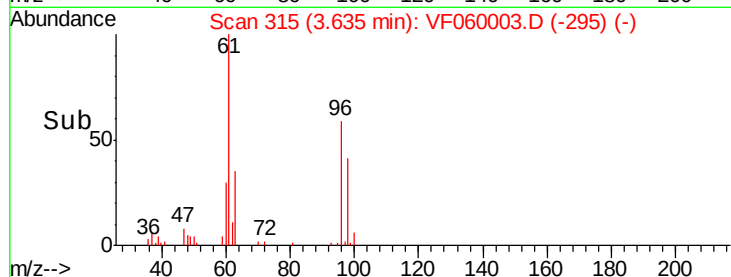
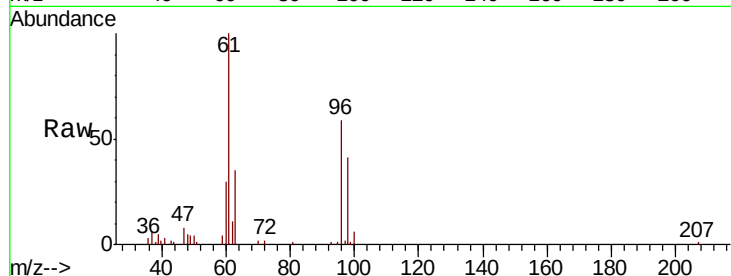
ClientSampleId :

VF0820SBS01

Tot Ion:	96	Resp:	23889
Ion	Ratio	Lower	Upper
96	100		
61	170.5	0.0	335.0
98	70.6	0.0	117.2

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#28

Bromochloromethane

Concen: 21.62 ug/l

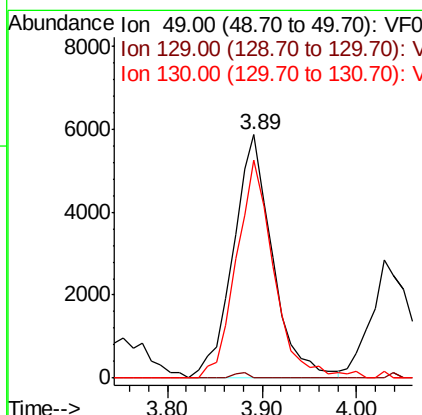
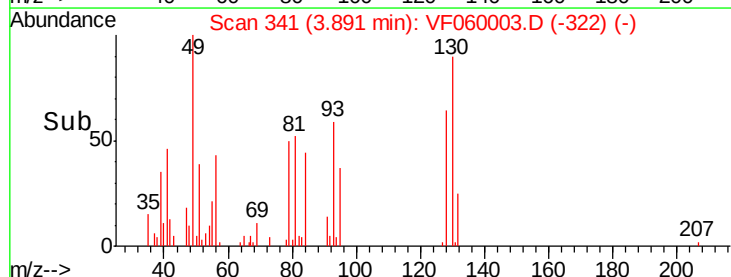
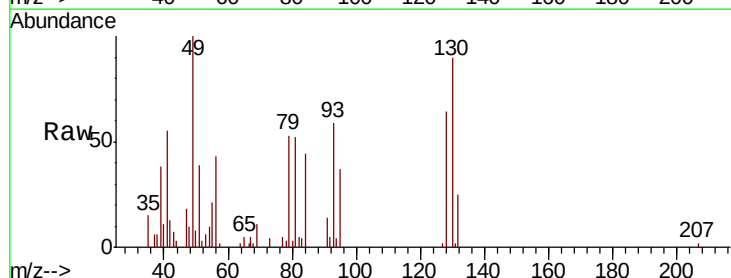
RT: 3.89 min Scan# 341

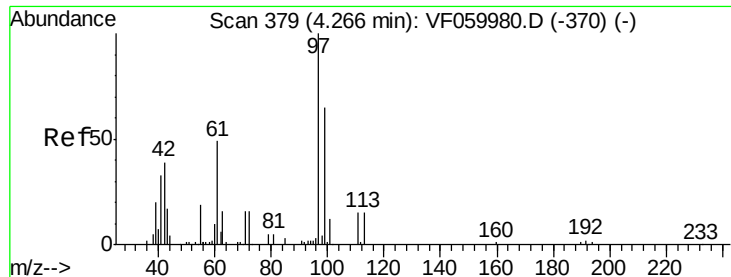
Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Tgt Ion:	49	Resp:	16896
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	7.6
130	89.7	71.3	106.9





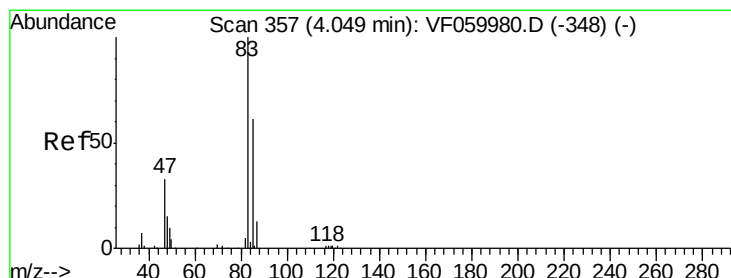
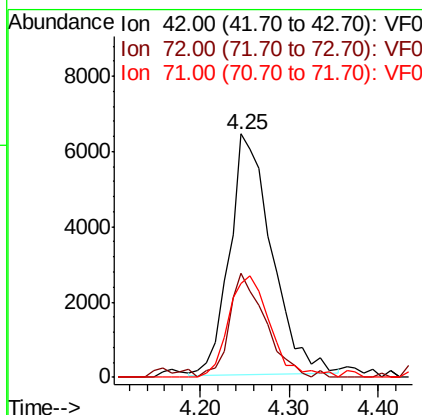
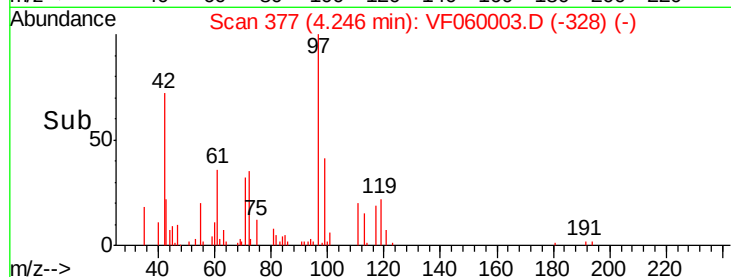
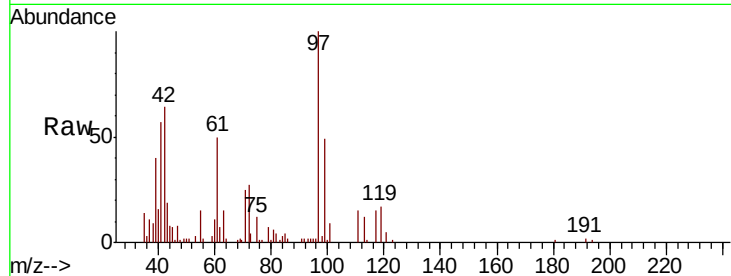
#29
Tetrahydrofuran
Concen: 103.72 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.02 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	42	Resp	21032
Ion Ratio	Lower	Upper	
42	100		
72	37.2	29.8	44.6
71	41.9	29.0	43.4

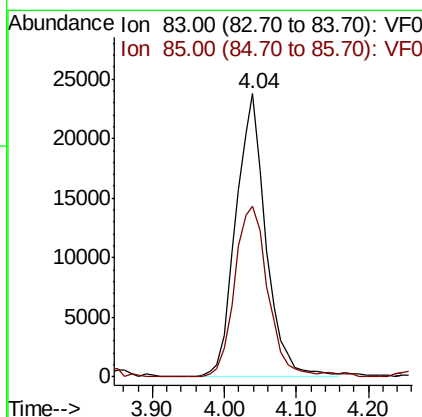
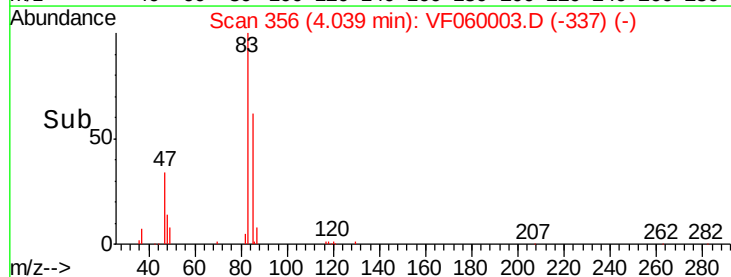
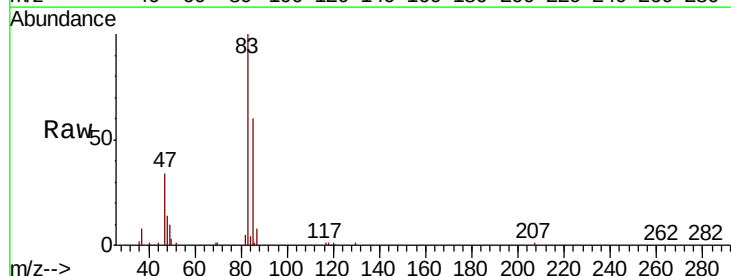
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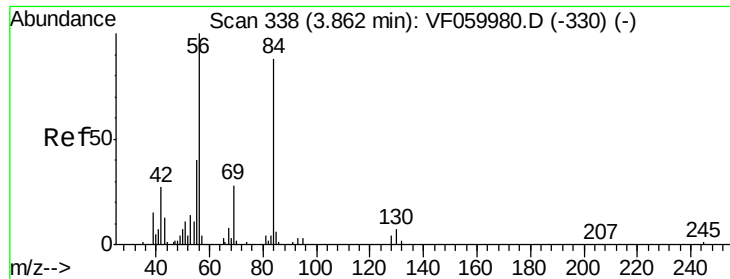
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#30
Chloroform
Concen: 22.06 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion	83	Resp	69457
Ion Ratio	Lower	Upper	
83	100		
85	61.3	48.8	73.2





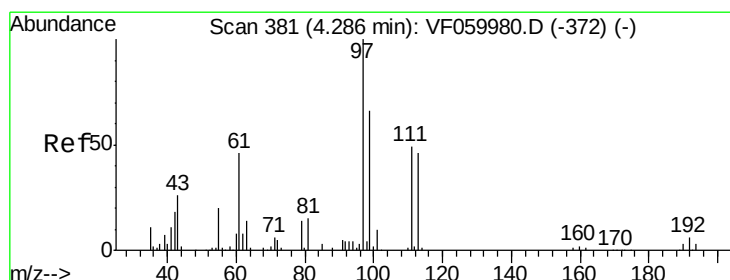
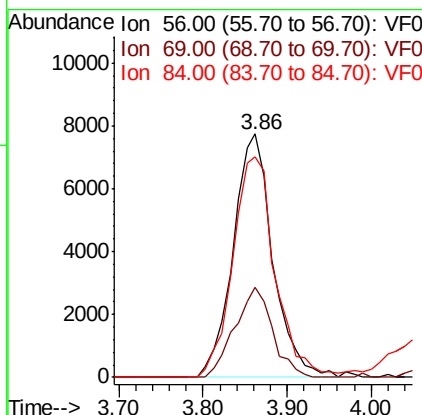
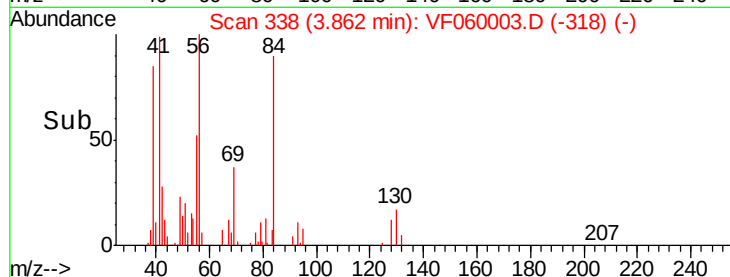
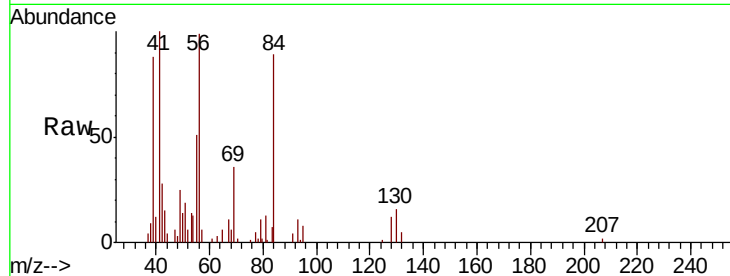
#31
Cyclohexane
Concen: 20.41 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.00 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	56	Ratio	Lower	Upper
56	100			
69	36.7	22.8	34.2	
84	90.3	70.7	106.1	

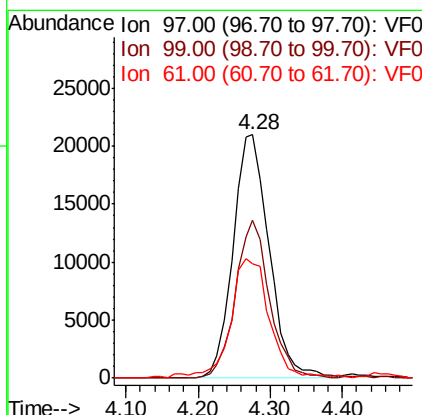
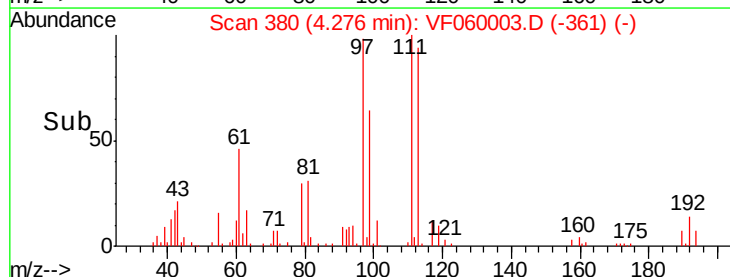
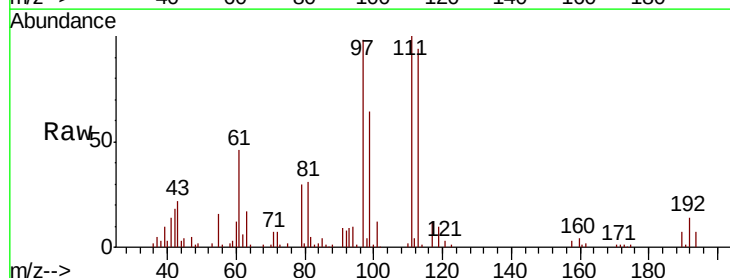
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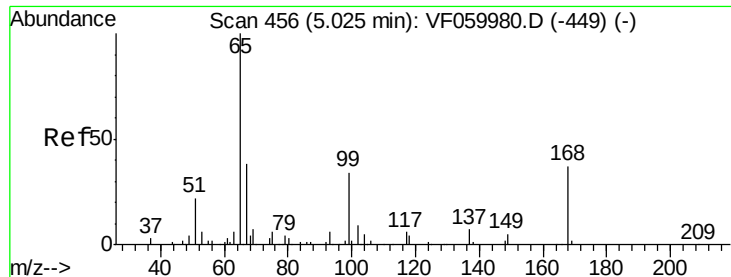
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#32
1,1,1-Trichloroethane
Concen: 23.82 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion	97	Ratio	Lower	Upper
97	100			
99	64.8	53.1	79.7	
61	47.1	38.2	57.2	





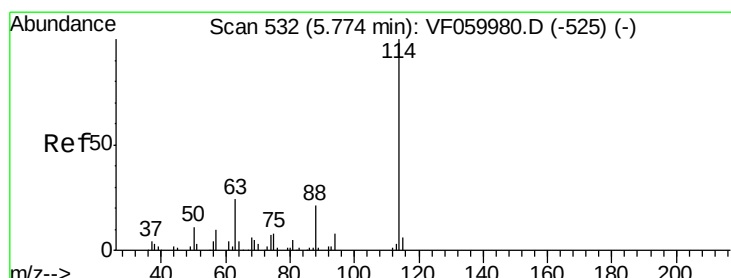
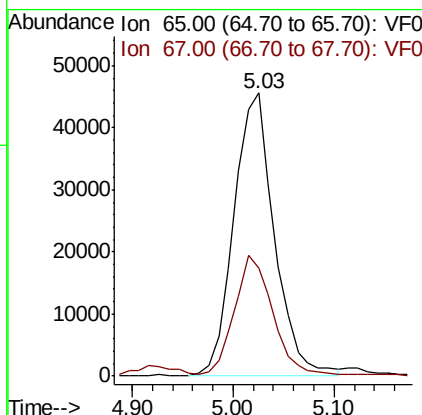
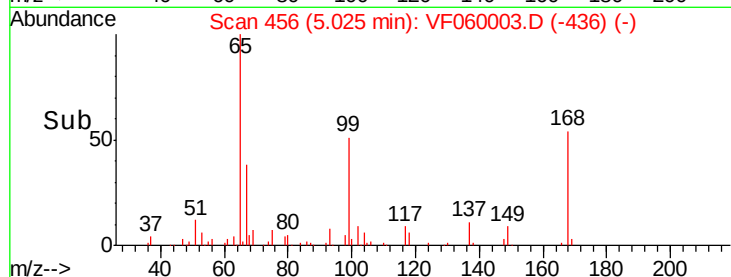
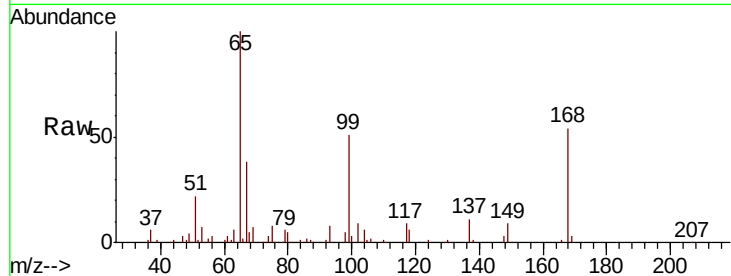
#33
 1,2-Dichloroethane-d4
 Concen: 54.24 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.00 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	38.3	0.0	82.6

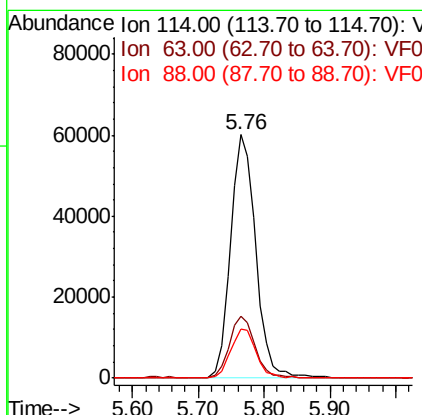
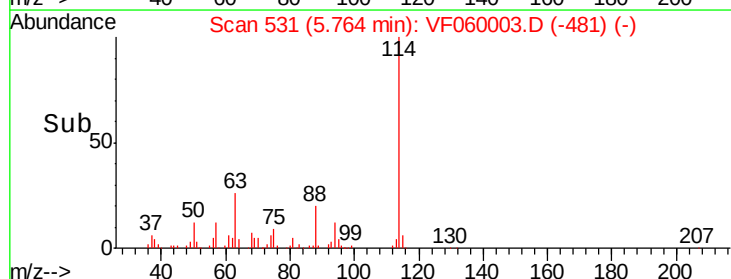
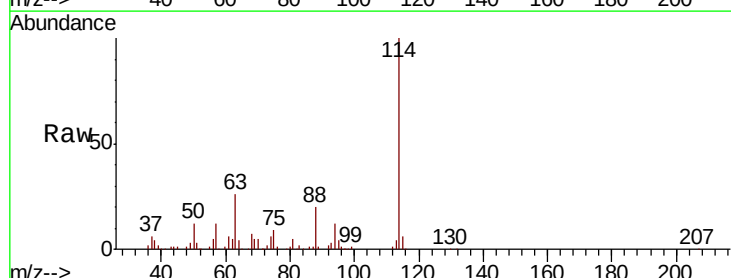
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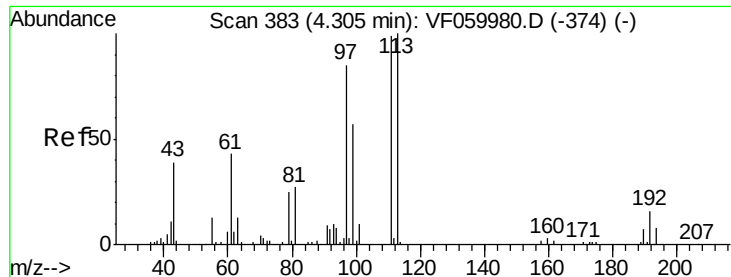
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.6	0.0	48.6
88	20.2	0.0	42.8





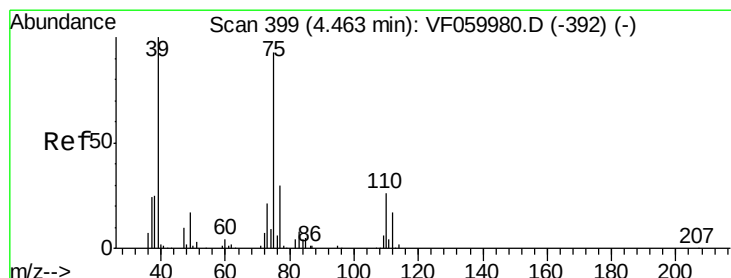
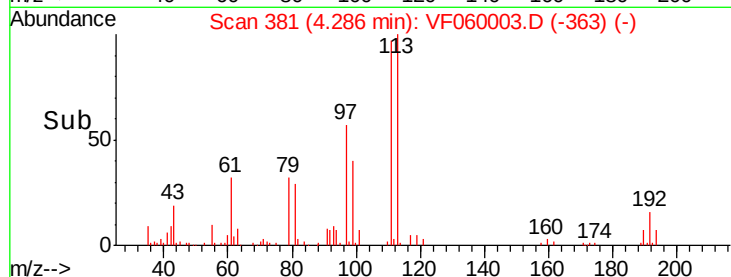
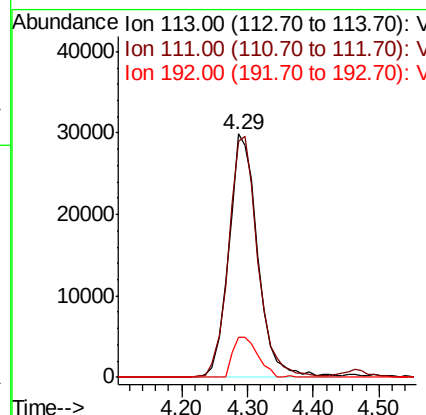
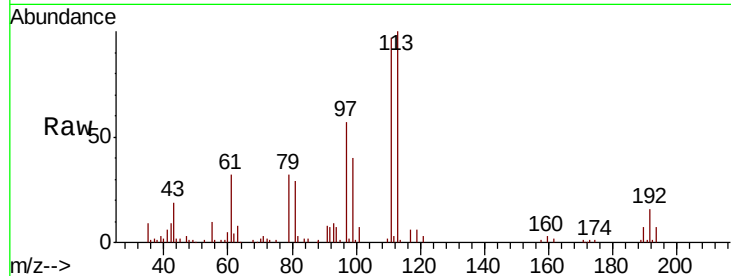
#35
 Dibromofluoromethane
 Concen: 55.39 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. -0.02 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	97.1	79.5	119.3
192	16.3	12.4	18.6

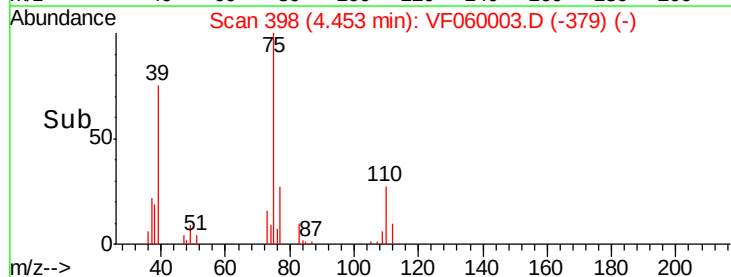
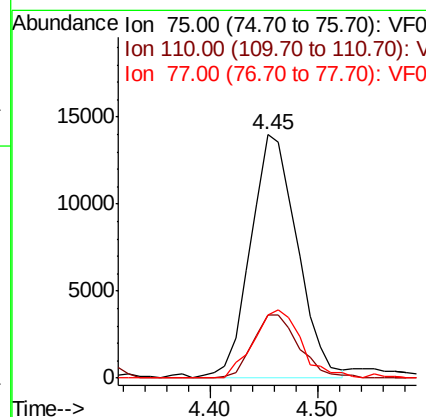
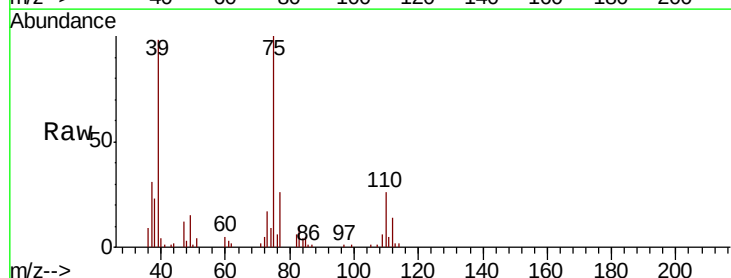
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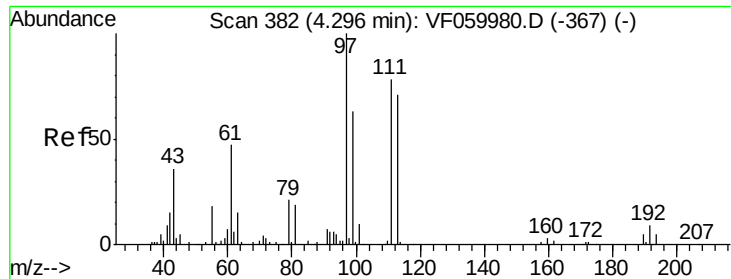
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#36
 1,1-Dichloropropene
 Concen: 22.75 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Tgt Ion	Ratio	Lower	Upper
75	100		
110	26.0	13.8	41.4
77	25.8	25.8	38.8#





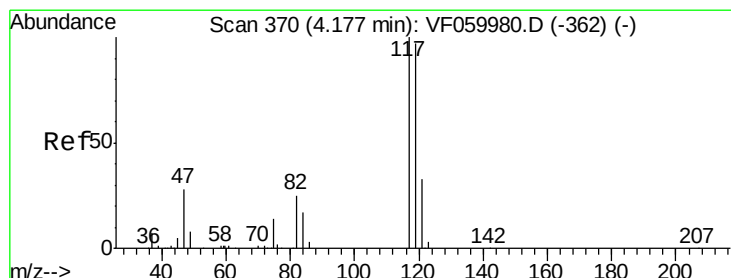
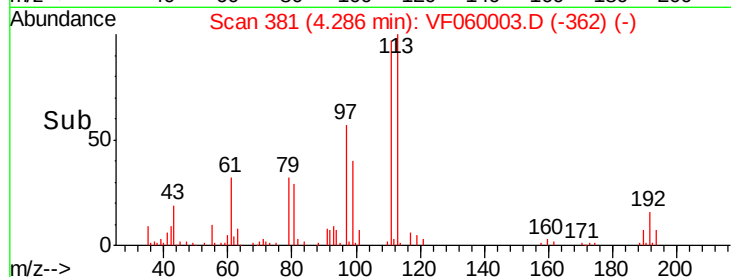
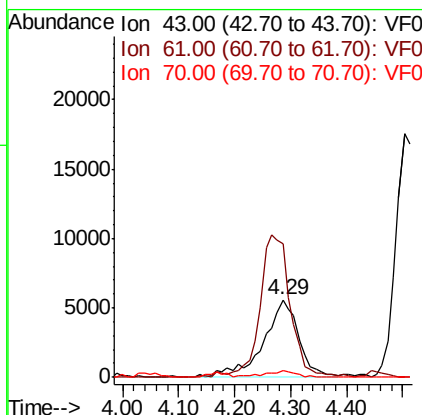
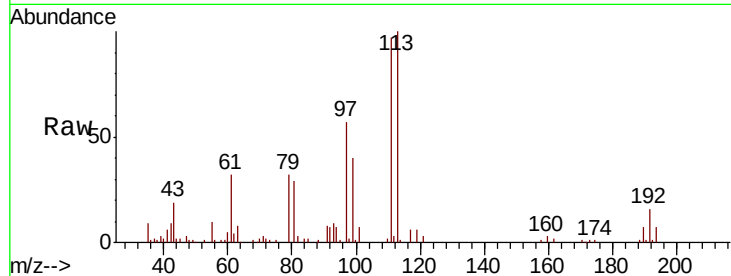
#37
Ethyl Acetate
Concen: 23.82 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	172.3	104.5	156.7#
70	8.9	5.9	8.9#

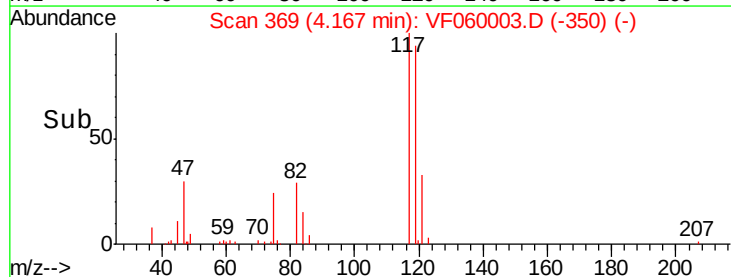
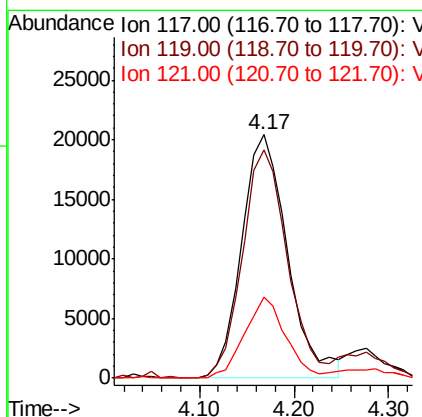
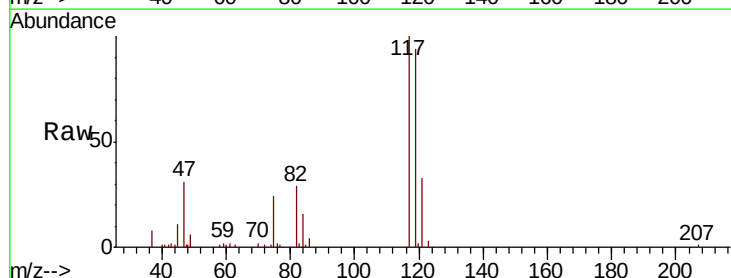
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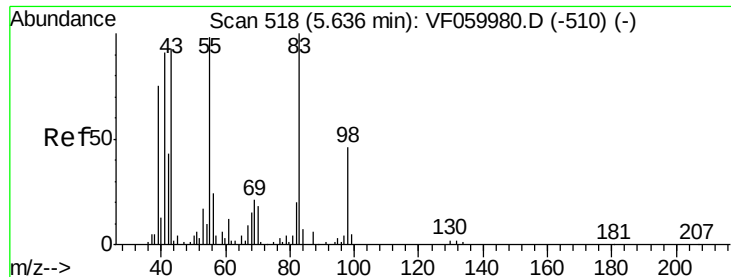
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#38
Carbon Tetrachloride
Concen: 25.96 ug/l
RT: 4.17 min Scan# 369
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	77.8	116.6
121	33.2	26.0	39.0





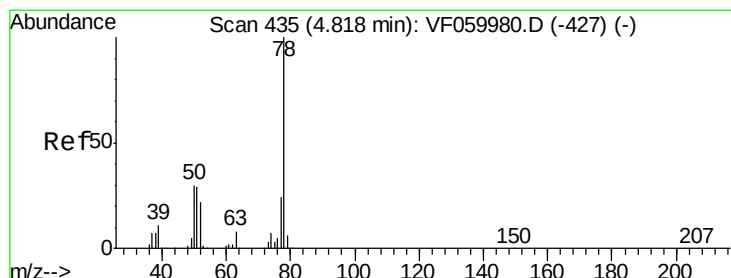
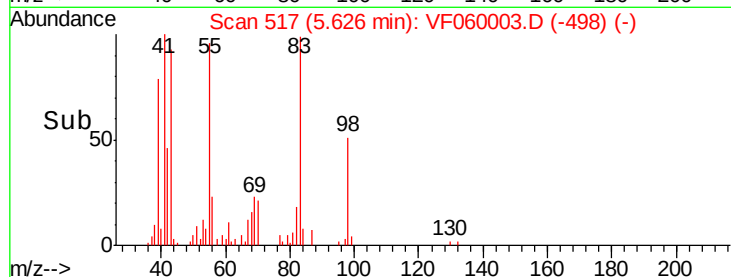
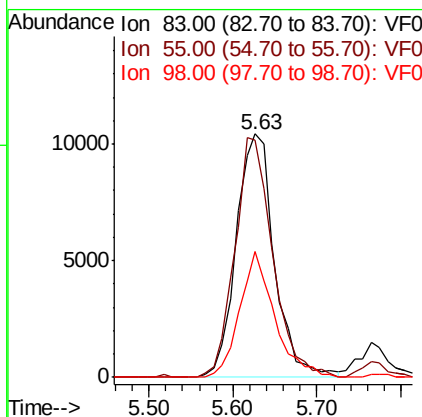
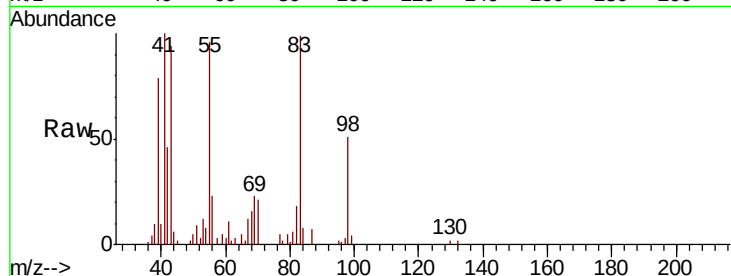
#39
Methylvlcyclohexane
Concen: 23.80 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	97.6	78.8	118.2
98	51.6	36.8	55.2

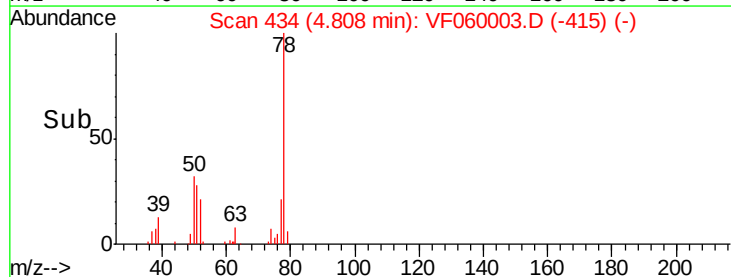
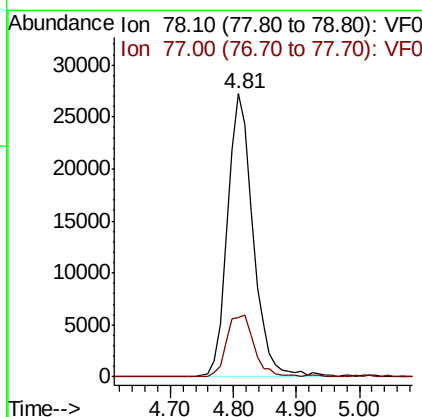
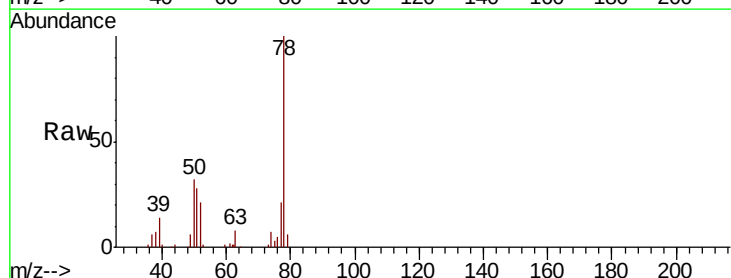
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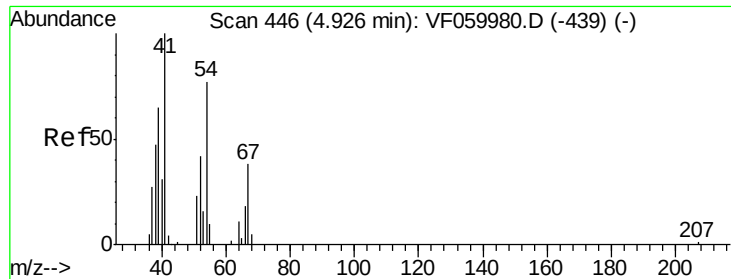
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#40
Benzene
Concen: 24.41 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.9	19.1	28.7





#41

Methacrylonitrile

Concen: 23.79 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.01 min

Lab File: VF060003.D

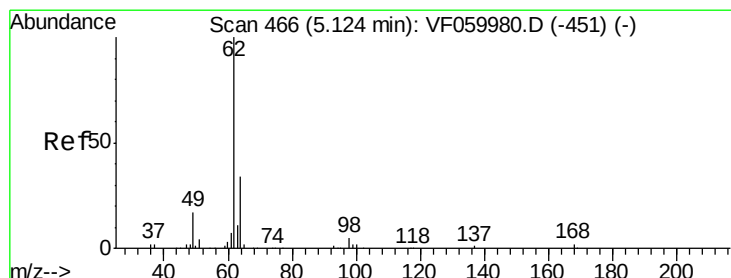
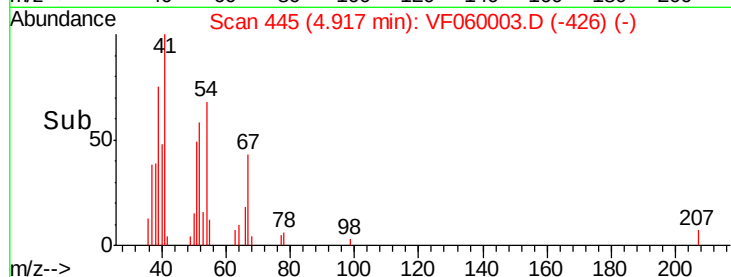
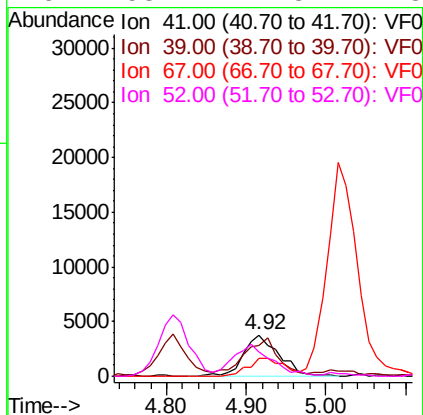
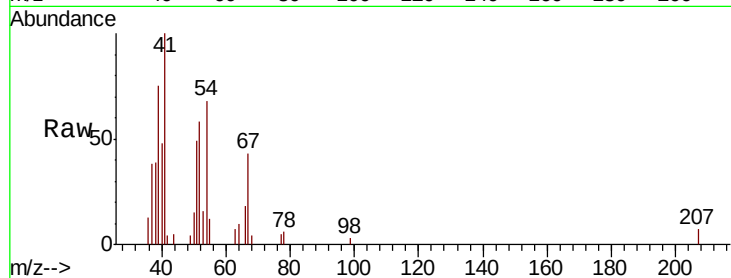
Acq: 20 Aug 2018 15:41

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.9	62.9	94.3
67	43.2	30.4	45.6
52	58.1	47.8	71.8

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

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#42

1,2-Dichloroethane

Concen: 24.28 ug/l

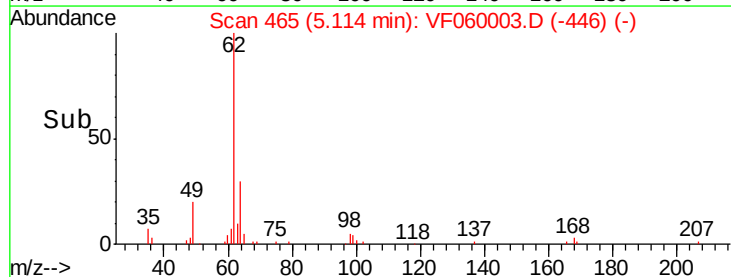
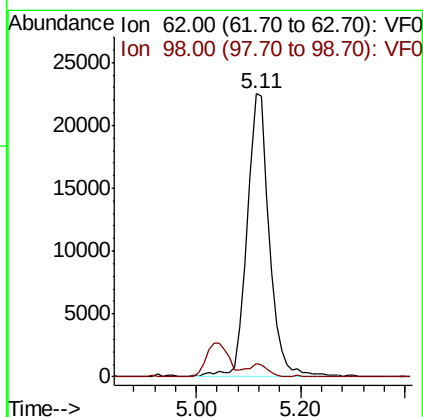
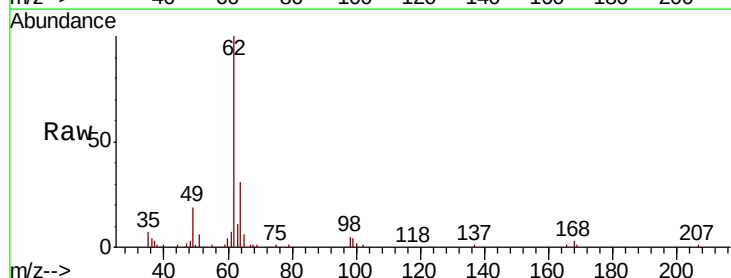
RT: 5.11 min Scan# 465

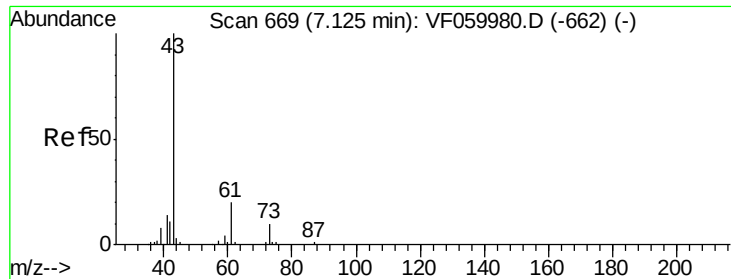
Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	9.0





#43

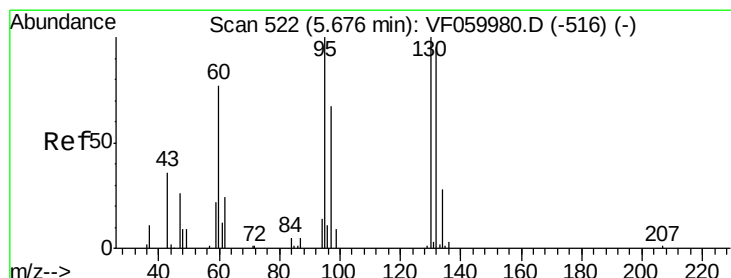
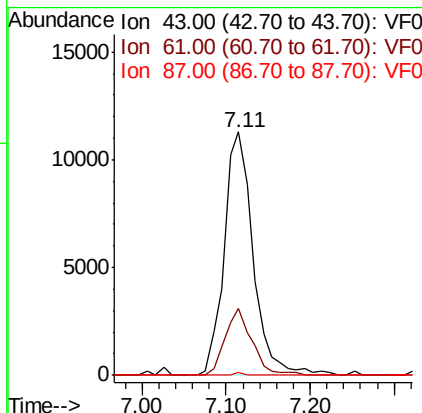
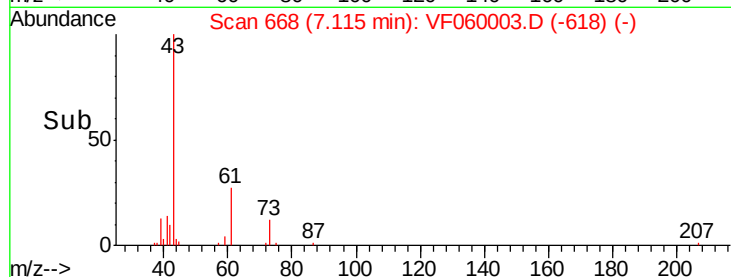
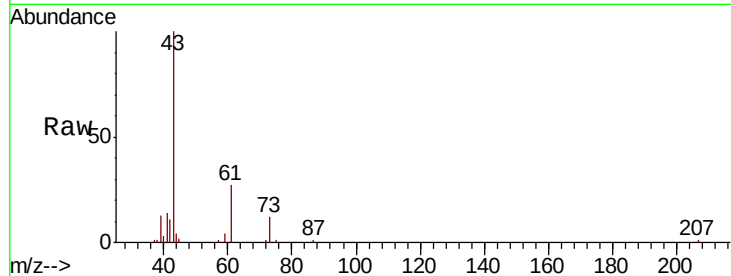
Isopropyl Acetate
 Concen: 24.05 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	15.8	23.8#
87	1.1	0.6	0.8#

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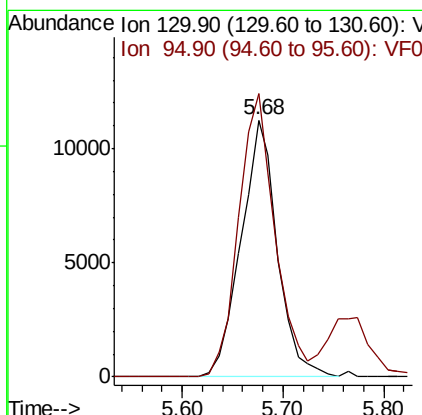
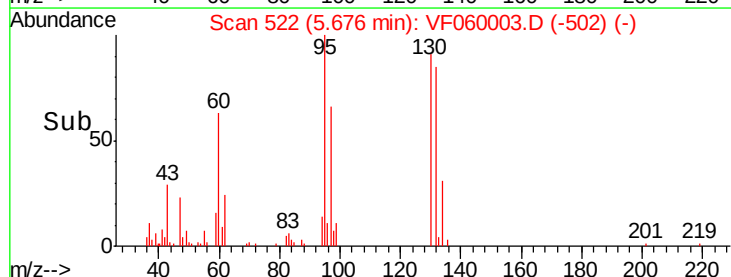
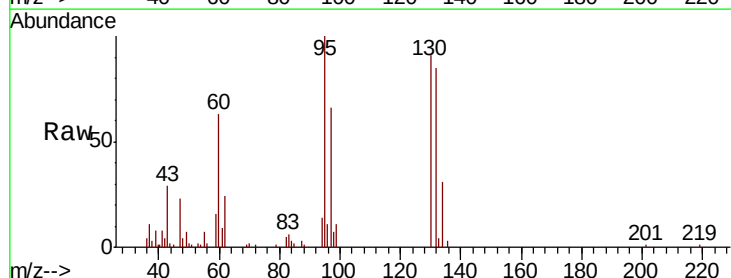
apatel
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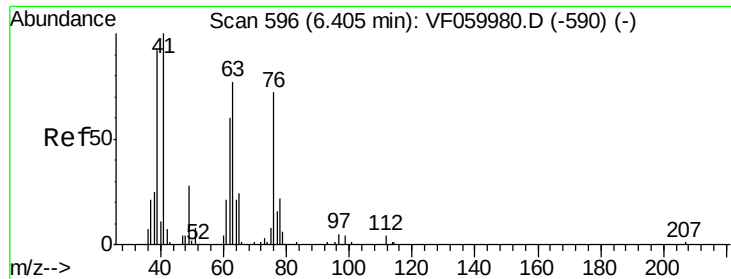


#44

Trichloroethene
 Concen: 22.99 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.3	0.0	201.8





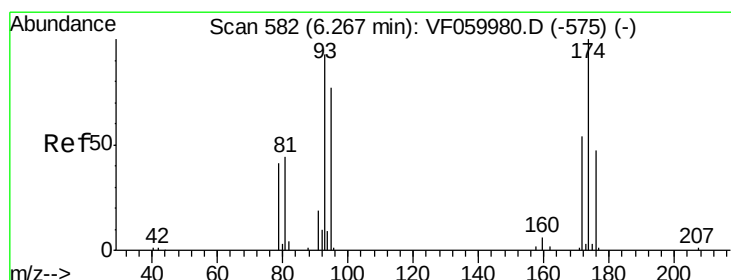
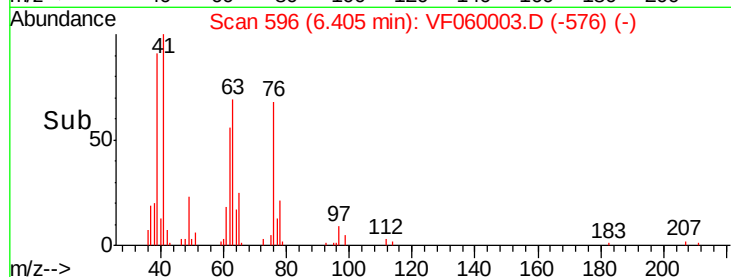
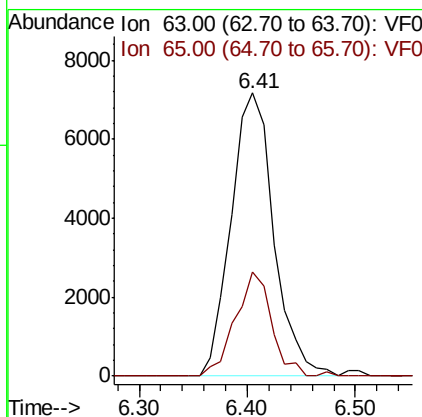
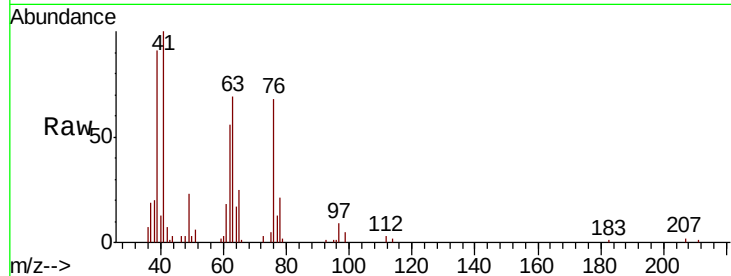
#45
 1,2-Dichloropropane
 Concen: 21.97 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. 0.00 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Tot Ion: 63 Resp: 19686
 Ion Ratio Lower Upper
 63 100
 65 36.7 25.0 37.6

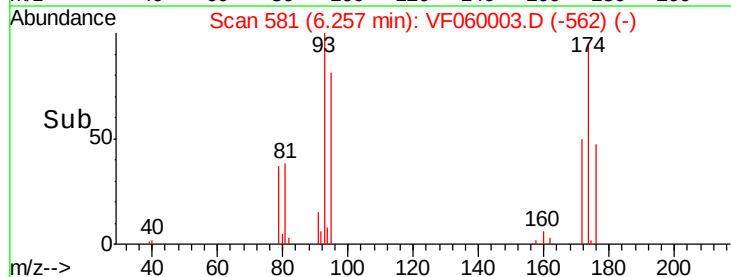
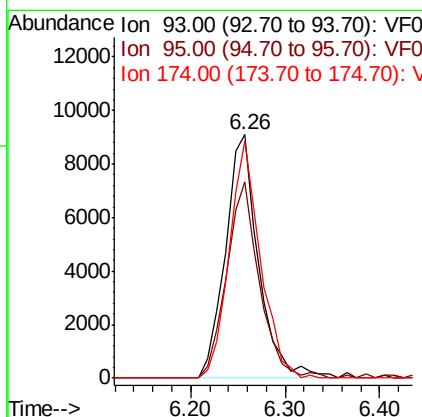
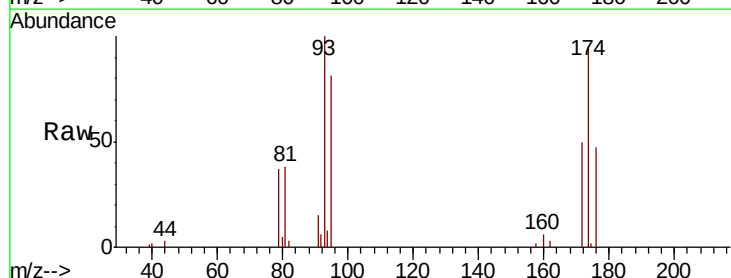
Manual Integrations
 APPROVED

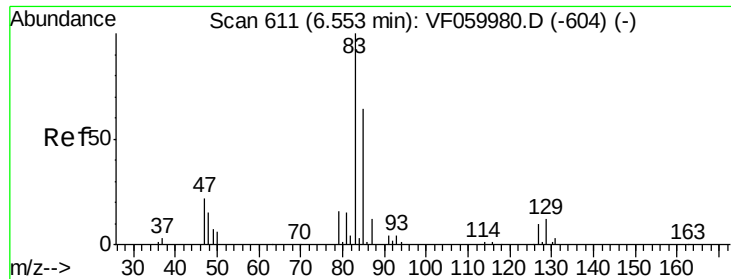
apatel
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#46
 Dibromomethane
 Concen: 24.95 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Tgt Ion: 93 Resp: 22041
 Ion Ratio Lower Upper
 93 100
 95 80.6 67.0 100.4
 174 97.2 85.7 128.5





#47

Bromodichloromethane

Concen: 23.67 ug/l

RT: 6.54 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

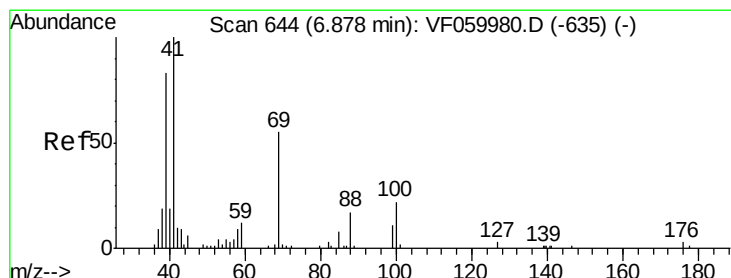
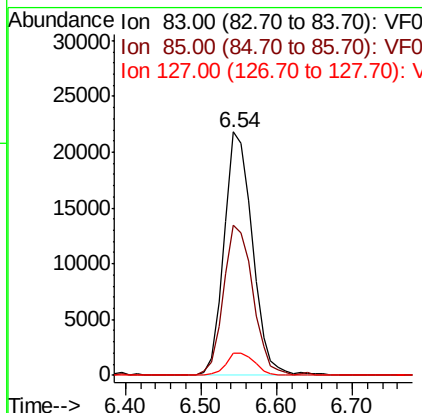
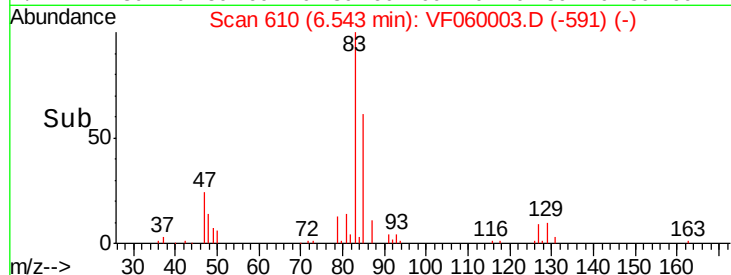
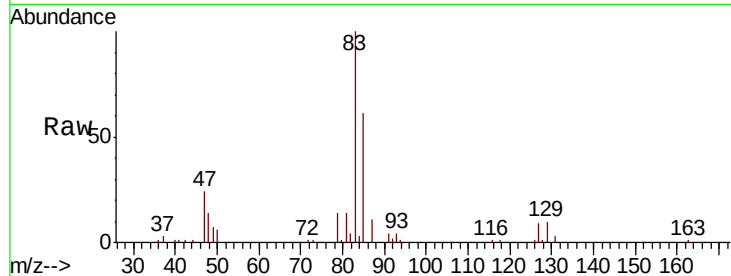
ClientSampleId :

VF0820SBS01

Tot Ion:	83	Resp:	56463
Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.4	77.0
127	9.3	8.2	12.2

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#48

Methyl methacrylate

Concen: 31.29 ug/l

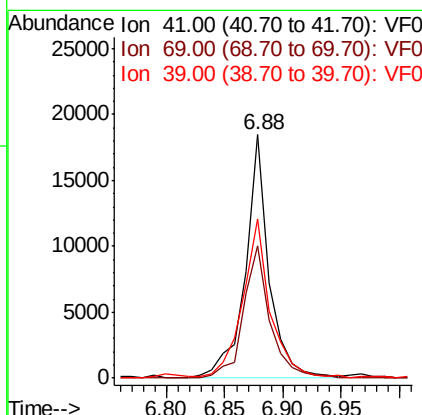
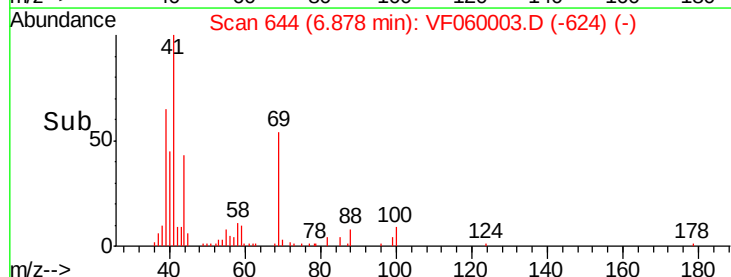
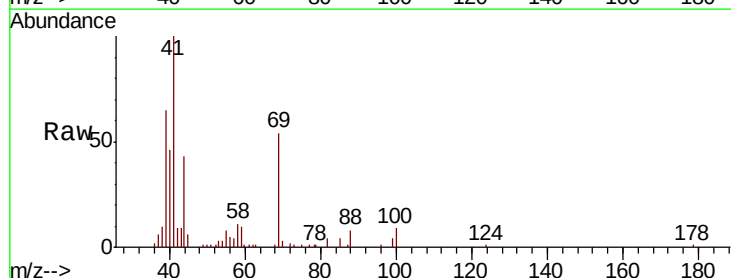
RT: 6.88 min Scan# 644

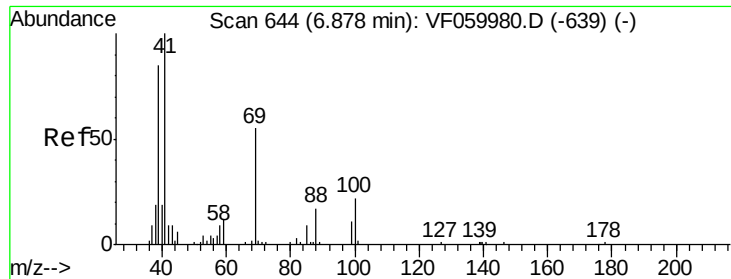
Delta R.T. -0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Tgt Ion:	41	Resp:	26218
Ion	Ratio	Lower	Upper
41	100		
69	54.1	44.4	66.6
39	65.5	67.8	101.6#





#49

1,4-Dioxane

Concen: 574.66 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

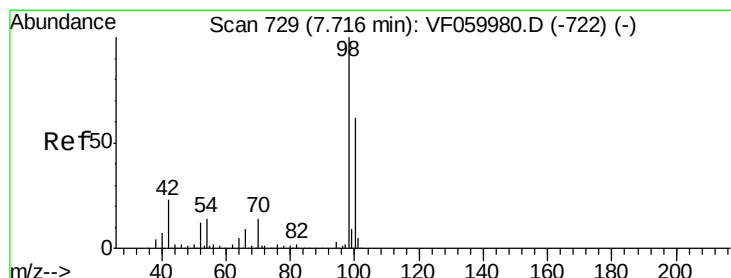
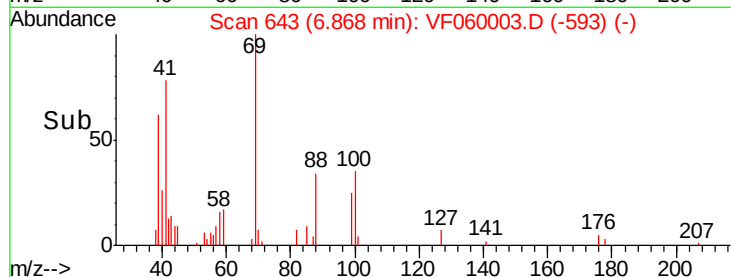
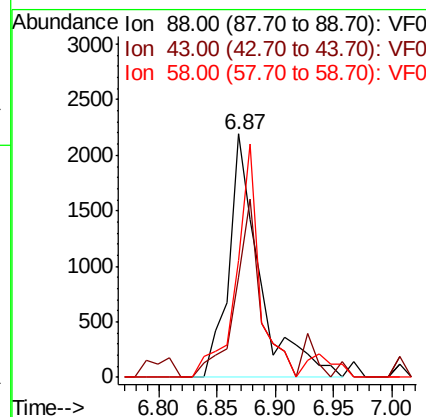
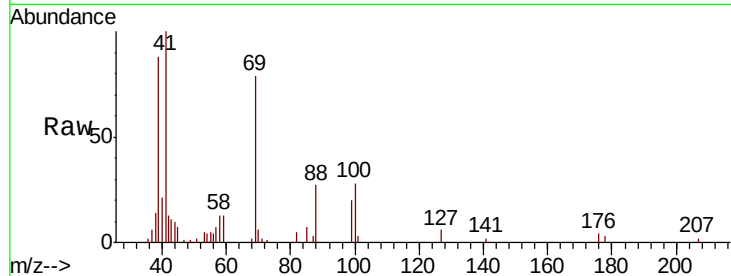
ClientSampleId :

VF0820SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	41.1	43.2	64.8#	
58	48.0	42.0	63.0	

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#50

Toluene-d8

Concen: 55.66 ug/l

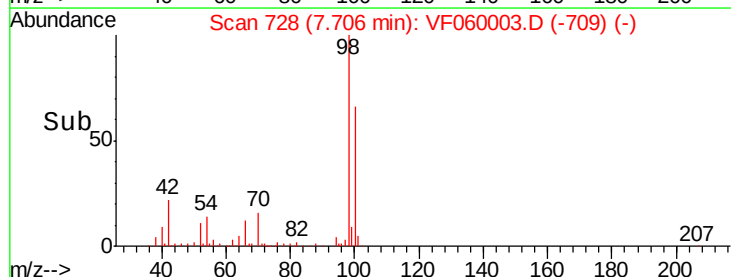
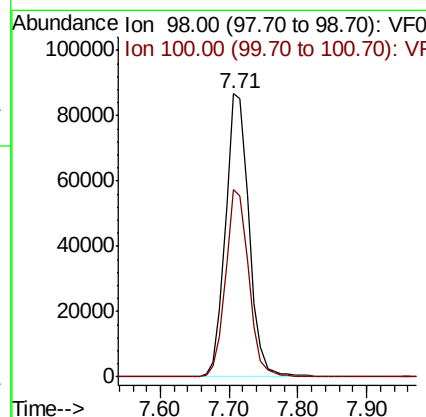
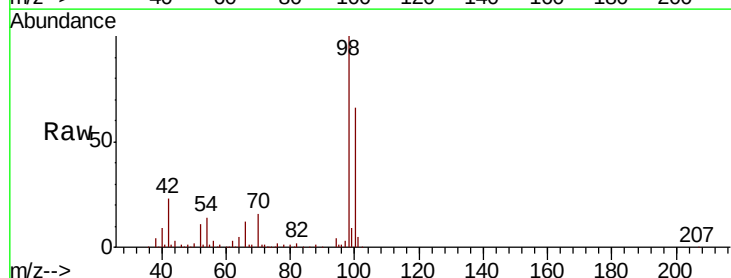
RT: 7.71 min Scan# 728

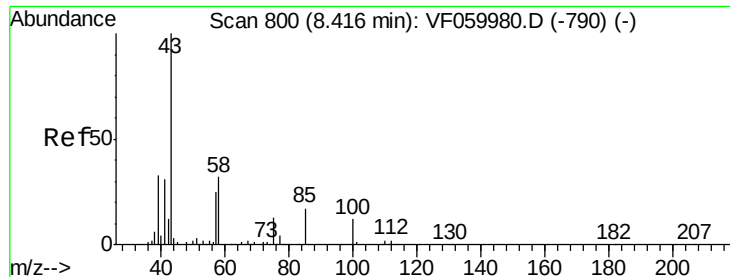
Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	66.3	49.8	74.8	





#51

4-Methyl-2-Pentanone

Concen: 124.24 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

Tot Ion: 43 Resp: 130628

Ion Ratio Lower Upper

43 100

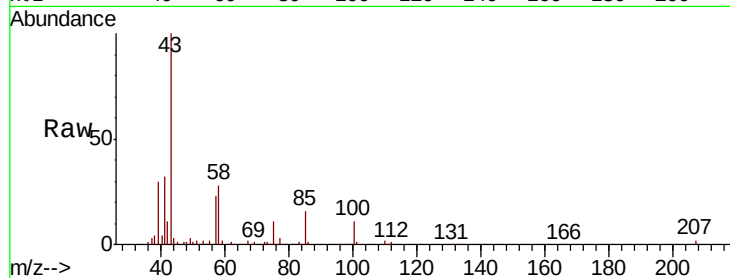
58 27.6 25.6 38.4

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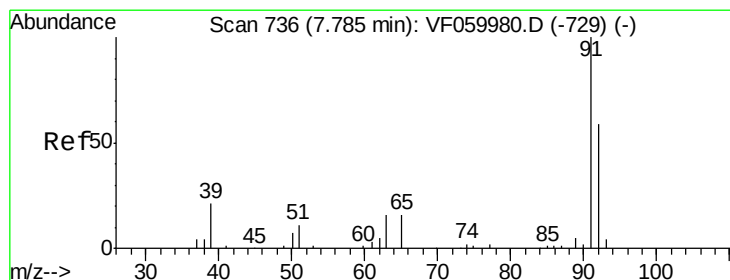
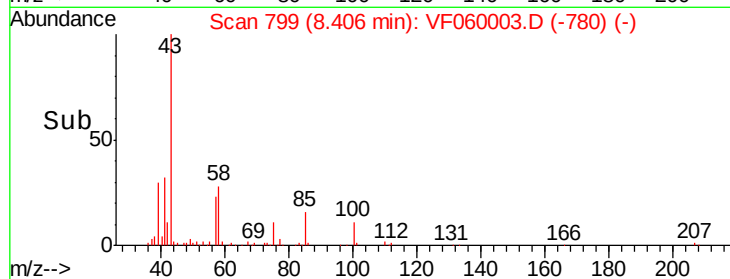
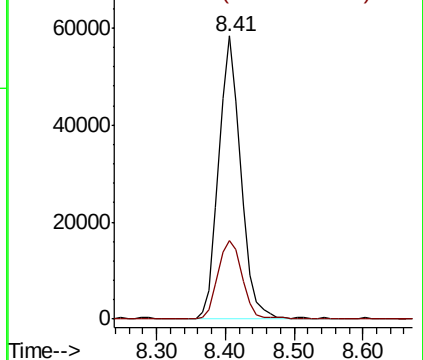
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.02 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060003.D

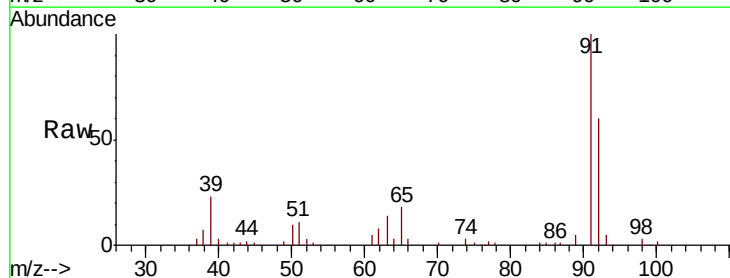
Acq: 20 Aug 2018 15:41

Tgt Ion: 92 Resp: 51601

Ion Ratio Lower Upper

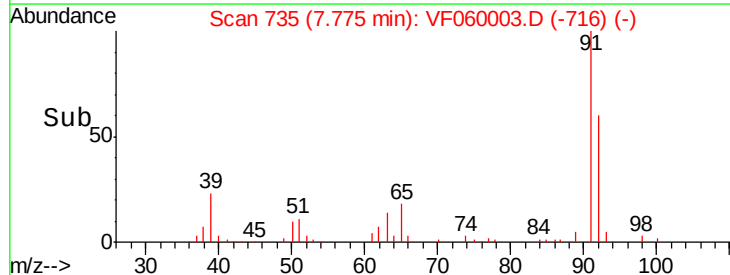
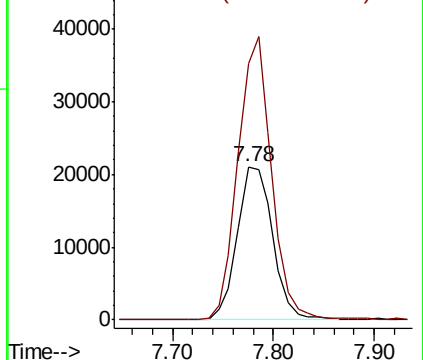
92 100

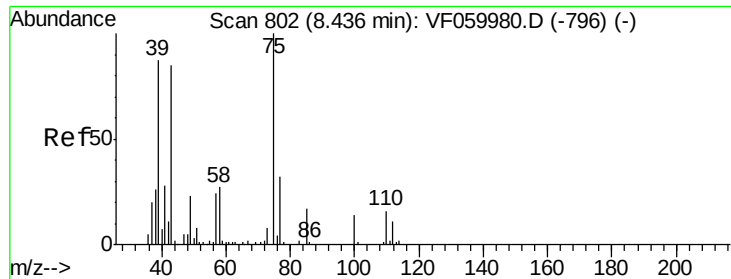
91 167.6 136.5 204.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 23.44 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBSD01

Tot Ion: 75 Resp: 47161

Ion Ratio Lower Upper

75 100

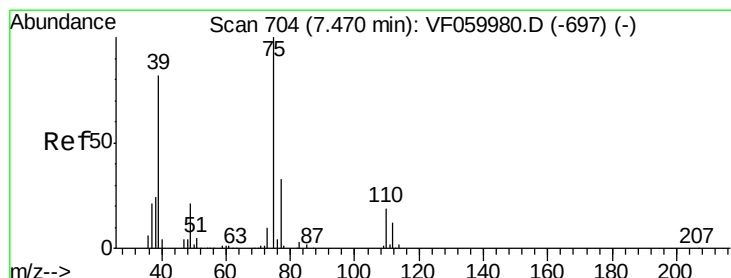
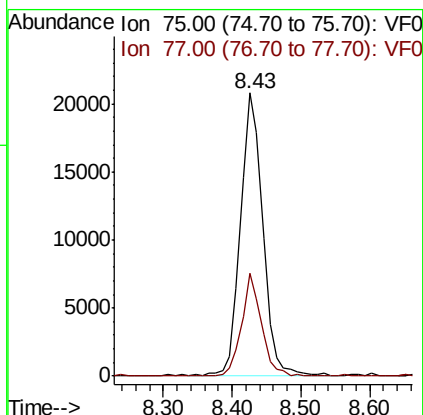
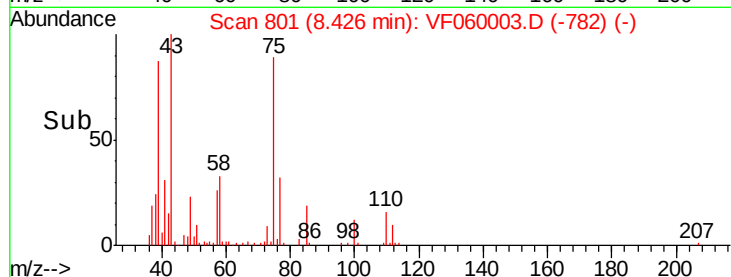
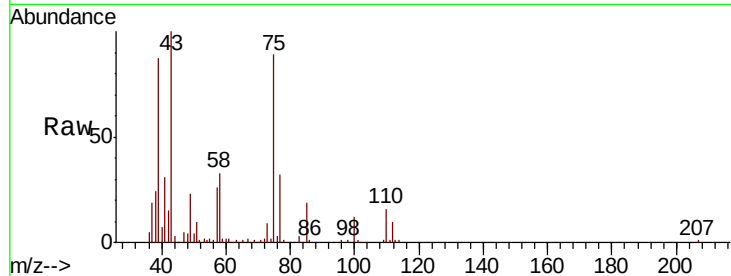
77 36.4 25.8 38.6

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#54

cis-1,3-Dichloropropene

Concen: 24.72 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

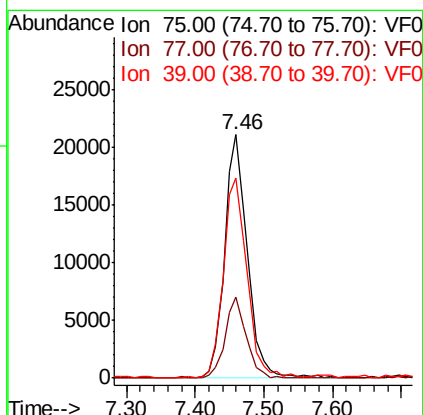
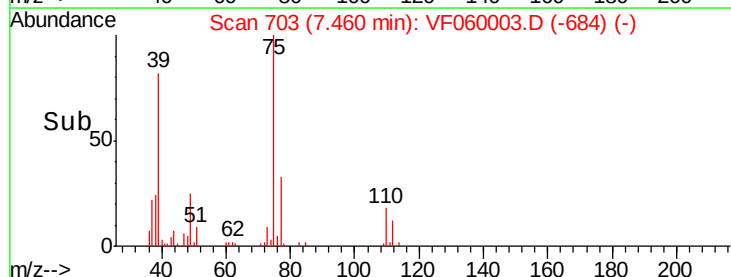
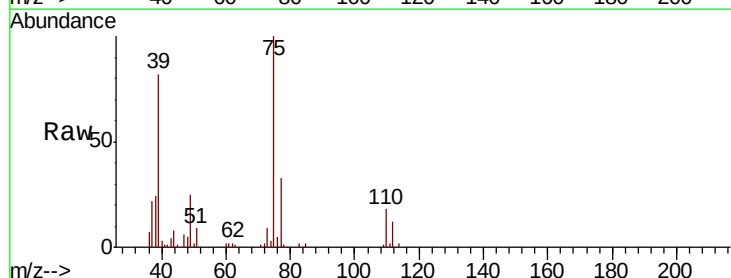
Tgt Ion: 75 Resp: 48004

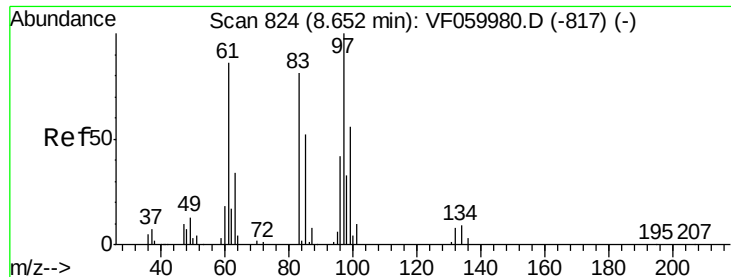
Ion Ratio Lower Upper

75 100

77 33.1 26.0 39.0

39 82.1 65.3 97.9





#55

1,1,2-Trichloroethane

Concen: 24.10 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

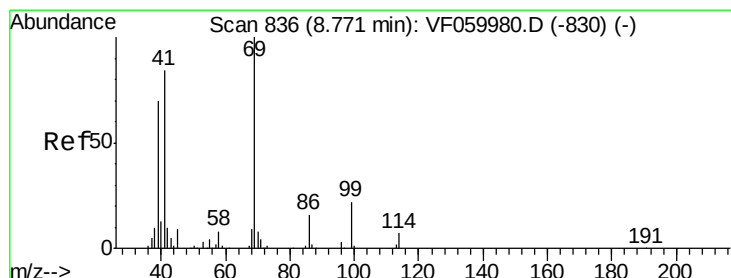
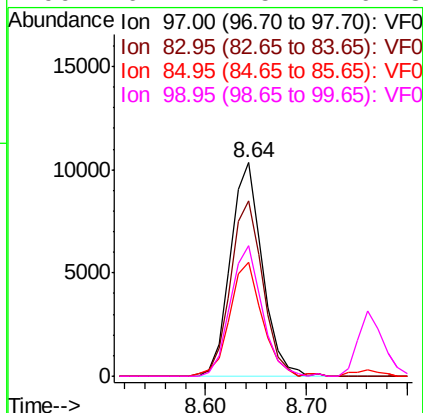
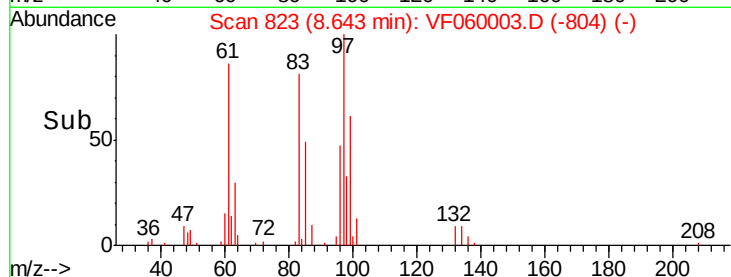
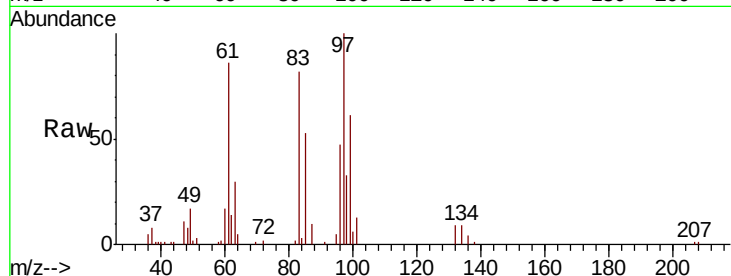
ClientSampleId :

VF0820SBSD01

Tot Ion:	97	Resp:	22658
Ion	Ratio	Lower	Upper
97	100		
83	82.4	64.9	97.3
85	53.4	41.8	62.6
99	61.2	45.2	67.8

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#56

Ethyl methacrylate

Concen: 23.89 ug/l

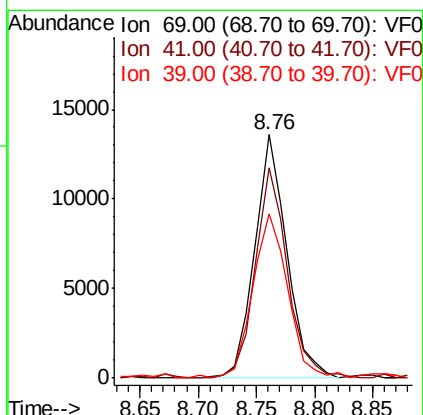
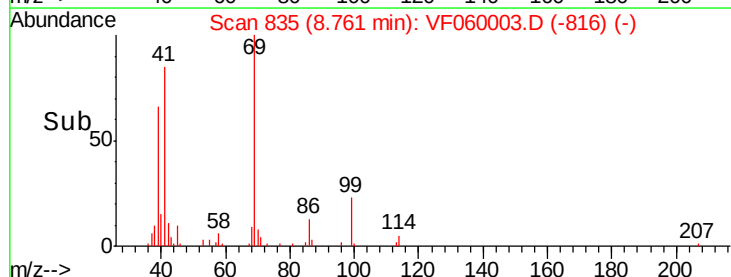
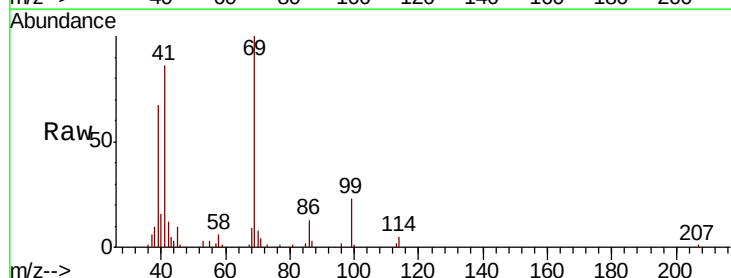
RT: 8.76 min Scan# 835

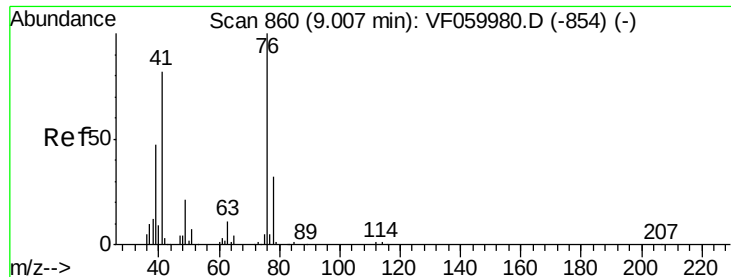
Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Tgt Ion:	69	Resp:	26021
Ion	Ratio	Lower	Upper
69	100		
41	86.3	67.8	101.6
39	67.3	55.8	83.6





#57

1,3-Dichloropropane

Concen: 22.94 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Tot Ion: 76 Resp: 38442

Ion Ratio Lower Upper

76 100

78 29.6 25.3 37.9

Instrument :

MSVOA_F

ClientSampleId :

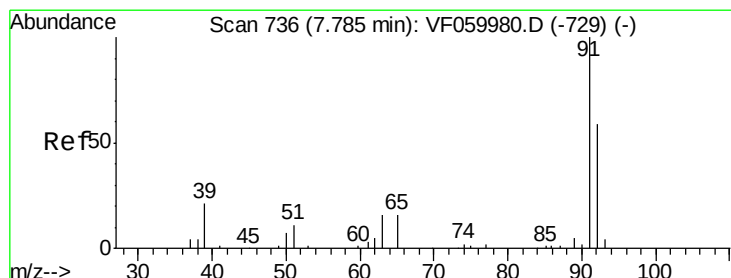
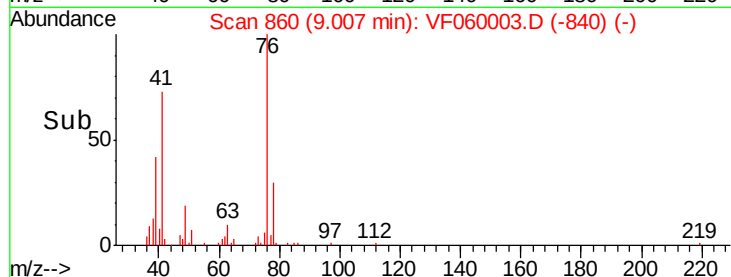
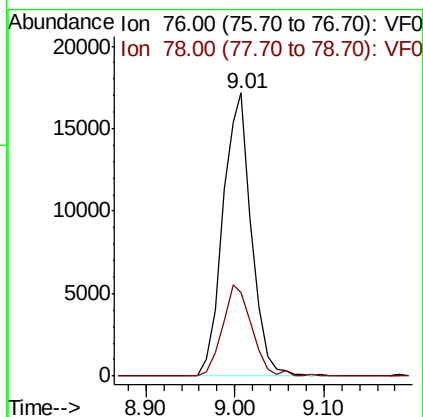
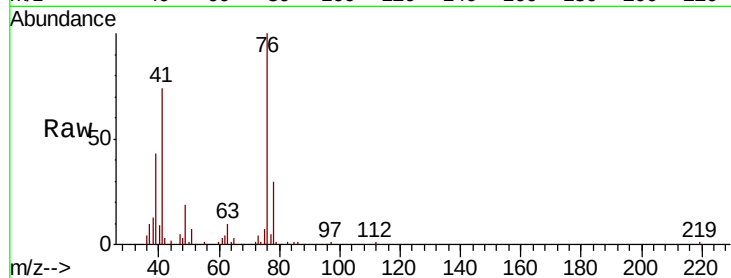
VF0820SBS01

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#58

2-Chloroethyl Vinyl ether

Concen: 137.09 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF060003.D

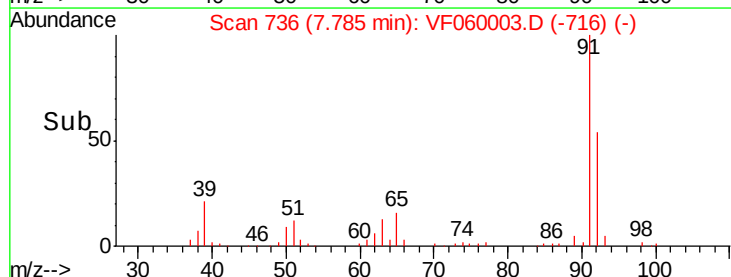
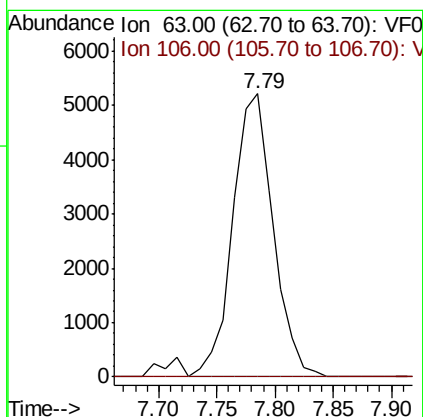
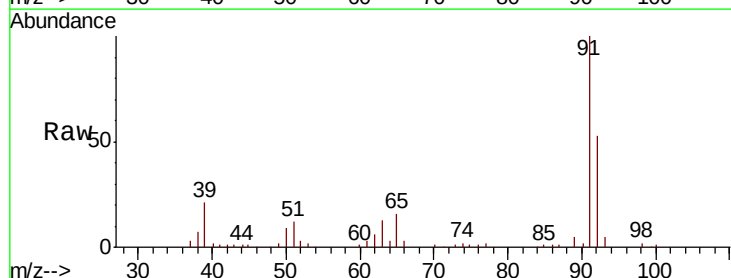
Acq: 20 Aug 2018 15:41

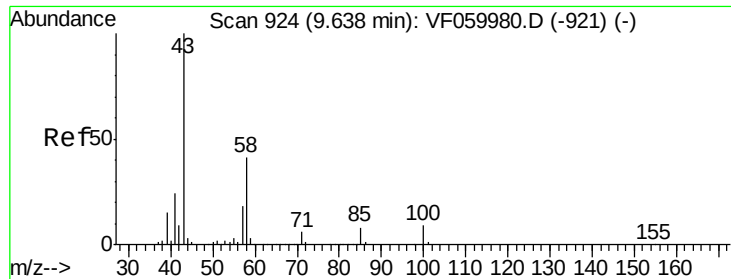
Tgt Ion: 63 Resp: 12526

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





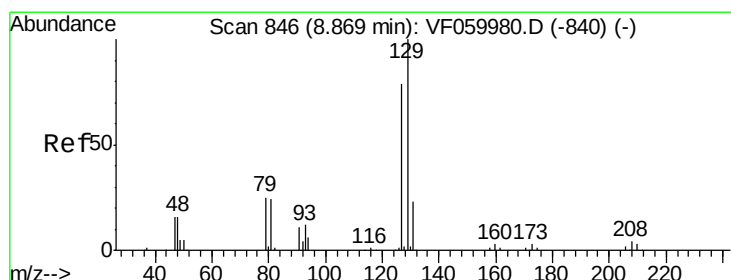
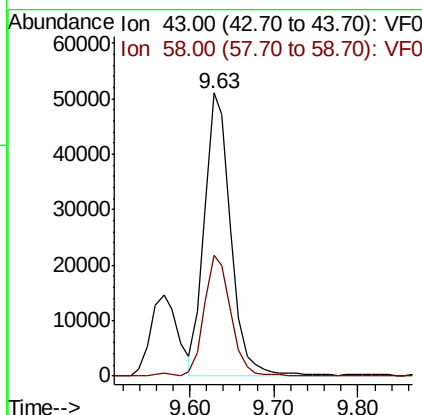
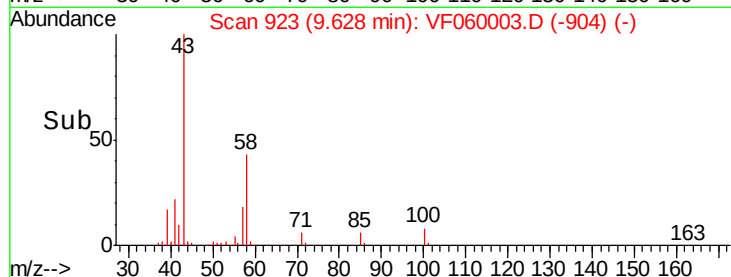
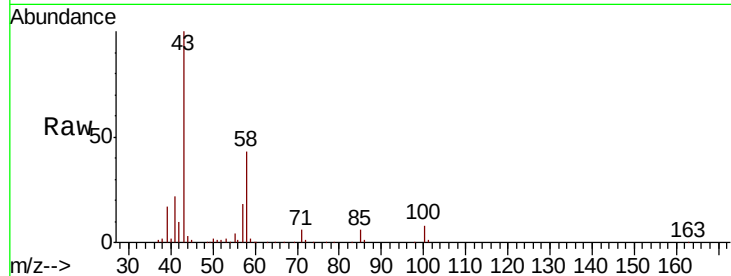
#59
2-Hexanone
Concen: 126.13 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.6	20.1	60.3

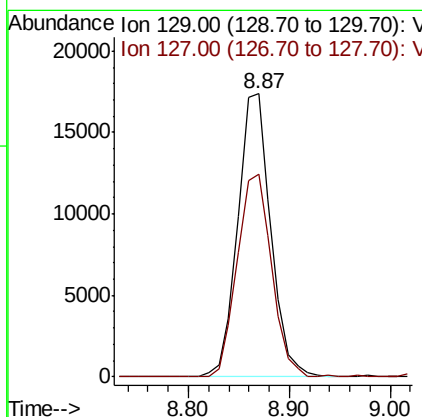
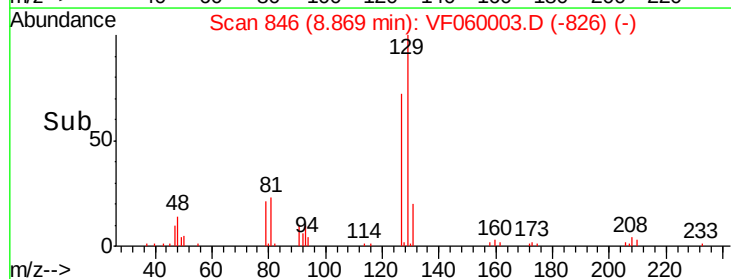
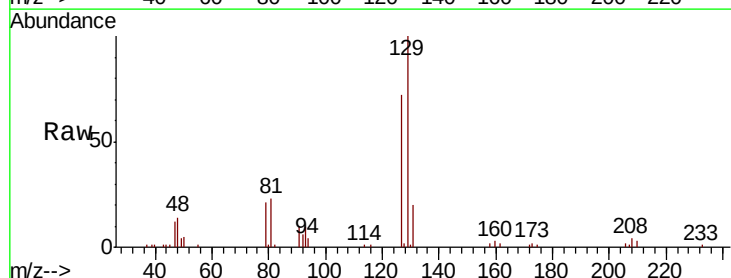
Manual Integrations
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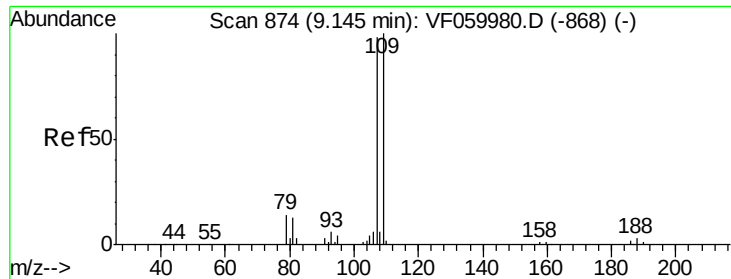
apatel
8/21/2018 10:01:39 AM



#60
Dibromochloromethane
Concen: 23.10 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.9	39.5	118.5





#61

1,2-Dibromoethane

Concen: 23.11 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

Tot Ion:107 Resp: 27106

Ion Ratio Lower Upper

107 100

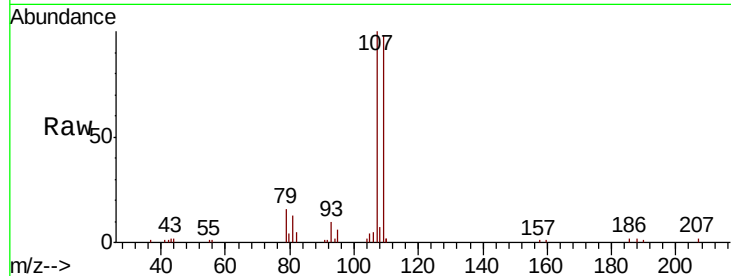
109 97.7 81.7 122.5

Manual Integrations

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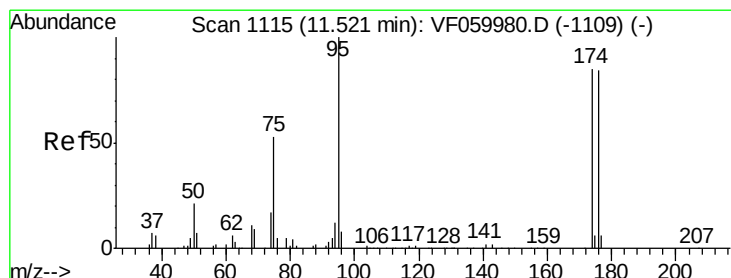
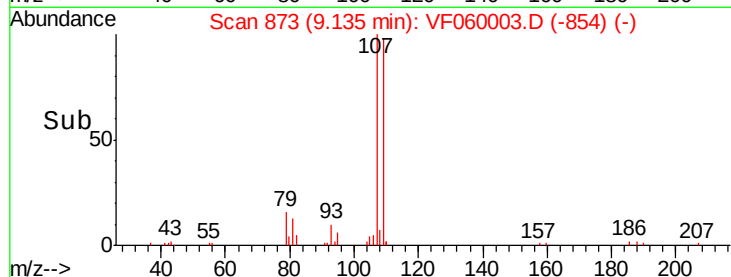
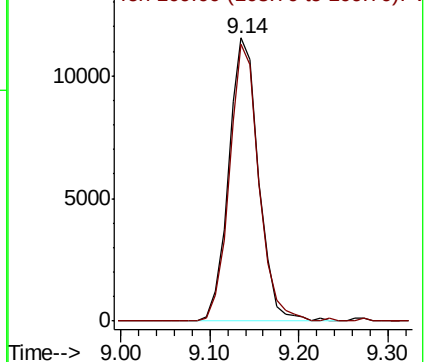
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 55.18 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

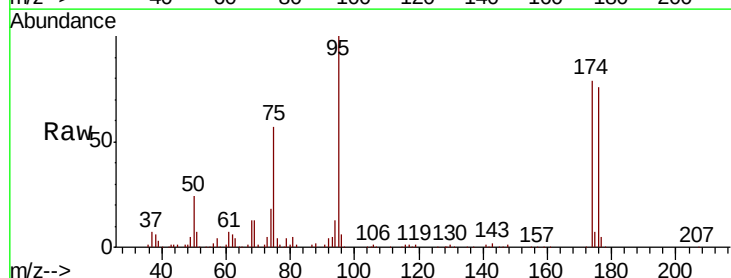
Tgt Ion: 95 Resp: 125010

Ion Ratio Lower Upper

95 100

174 78.7 0.0 169.8

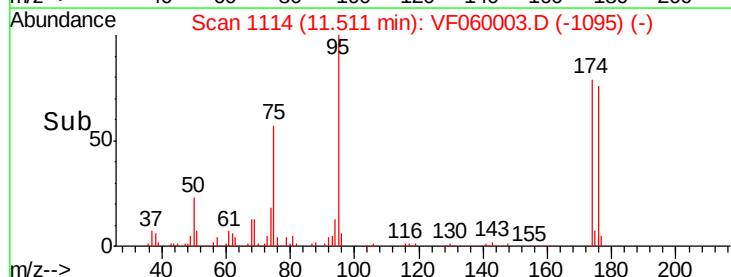
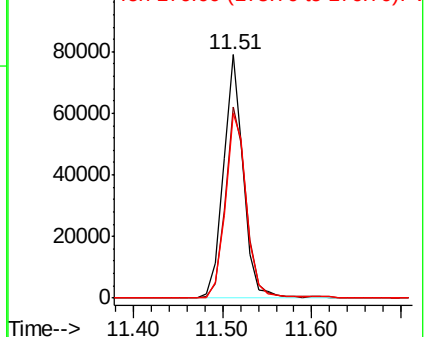
176 76.0 0.0 167.8

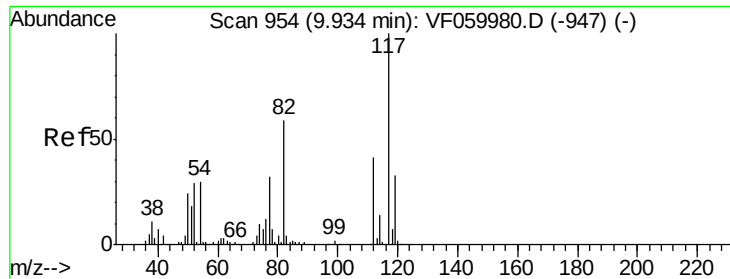


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





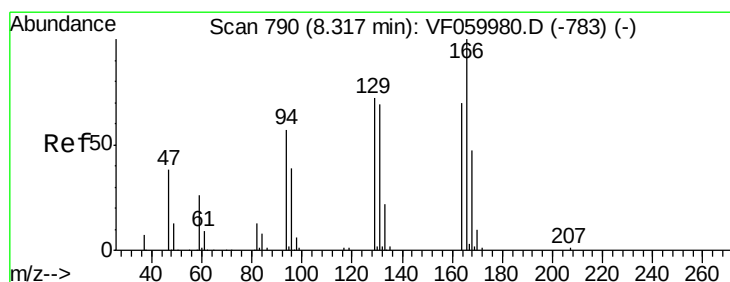
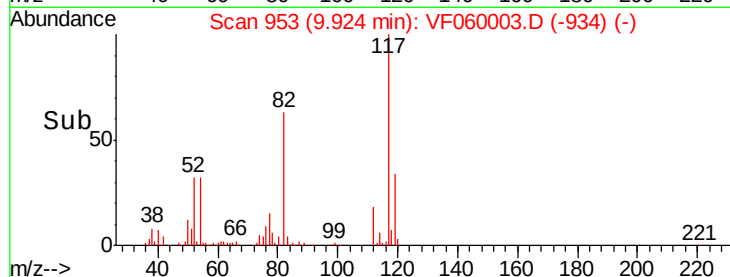
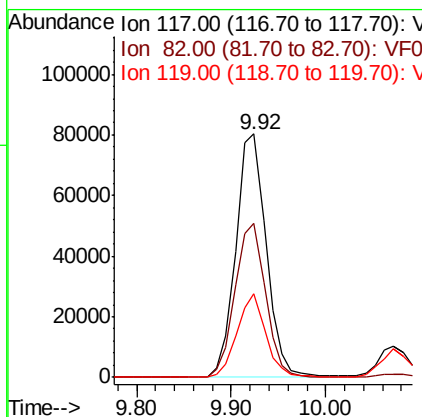
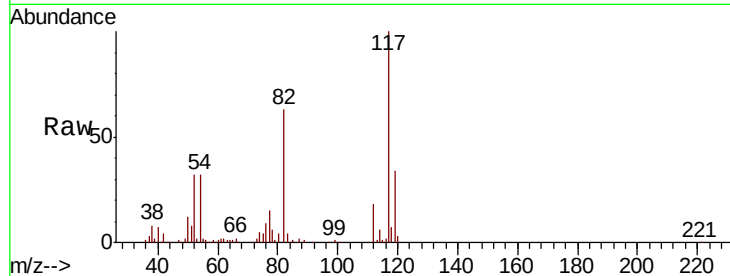
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	179549		
82	63.3	47.2	70.8	
119	34.4	26.1	39.1	

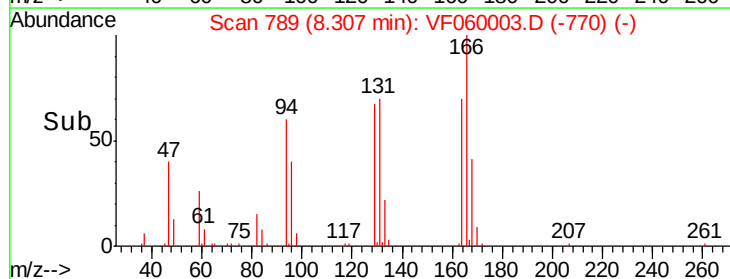
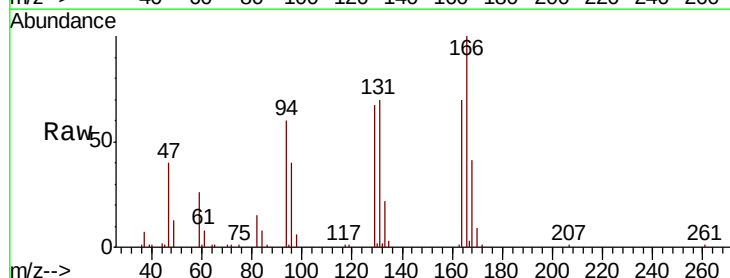
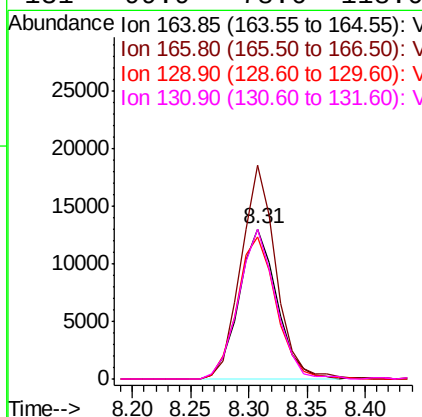
Manual Integrations
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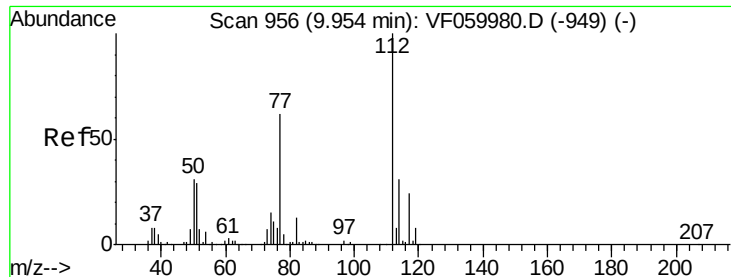
apatel
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#64
Tetrachloroethene
Concen: 21.54 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	29473		
166	142.1	114.5	171.7	
129	94.5	82.3	123.5	
131	99.9	78.6	118.0	





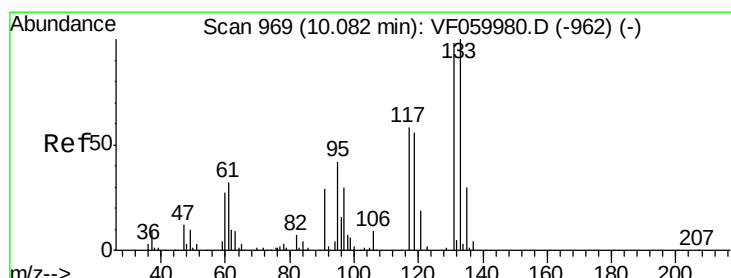
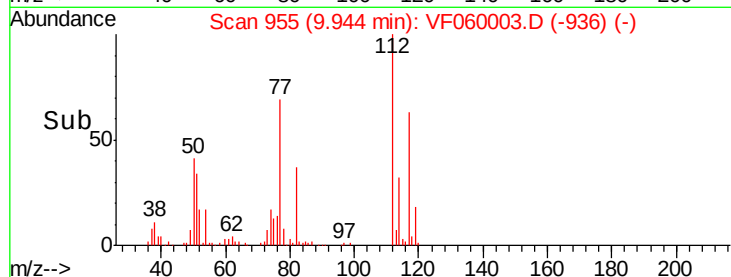
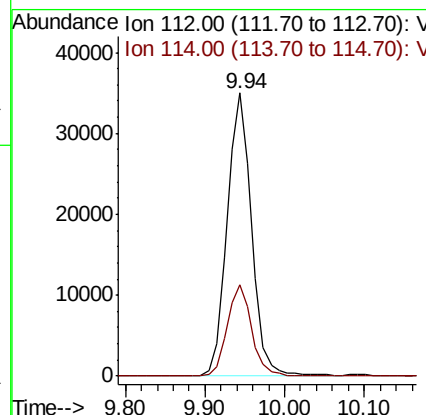
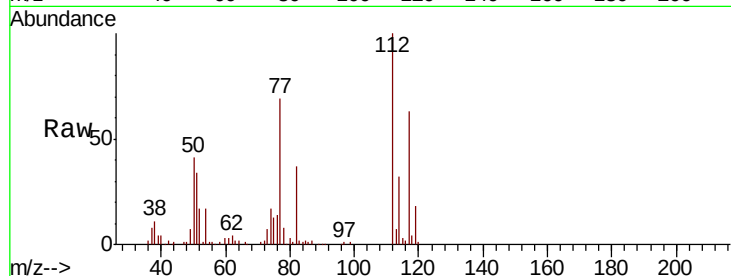
#65
Chlorobenzene
Concen: 21.34 ug/l
RT: 9.94 min Scan# 955
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion:112 Resp: 75626
Ion Ratio Lower Upper
112 100
114 32.3 25.0 37.4

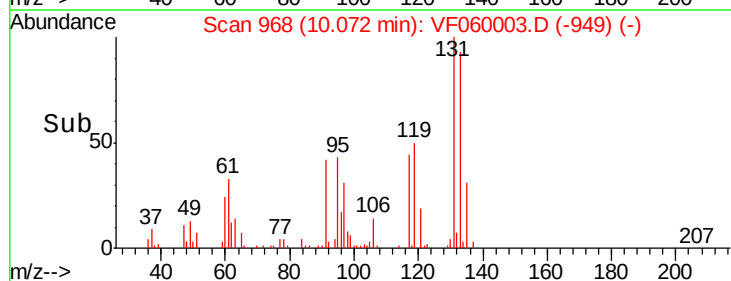
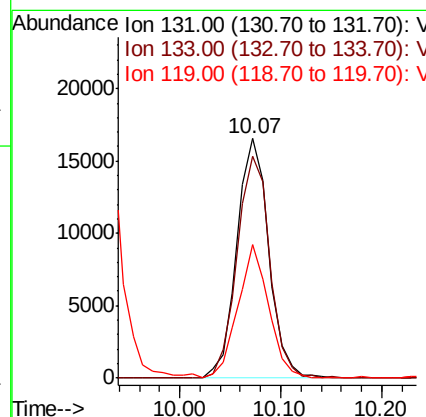
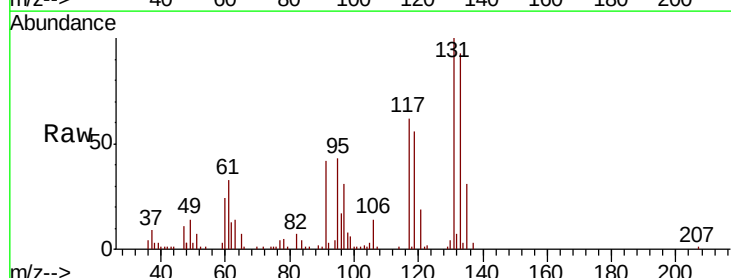
Manual Integrations
APPROVED

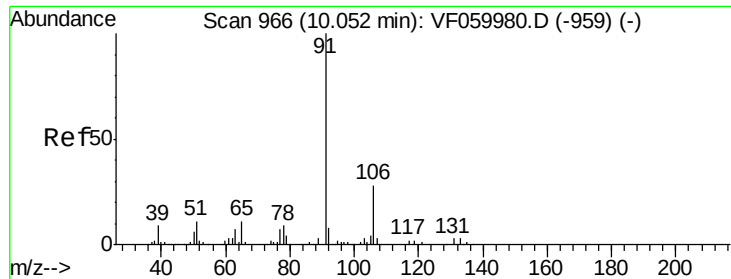
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.37 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion:131 Resp: 36476
Ion Ratio Lower Upper
131 100
133 92.9 51.1 153.3
119 56.0 29.0 87.1





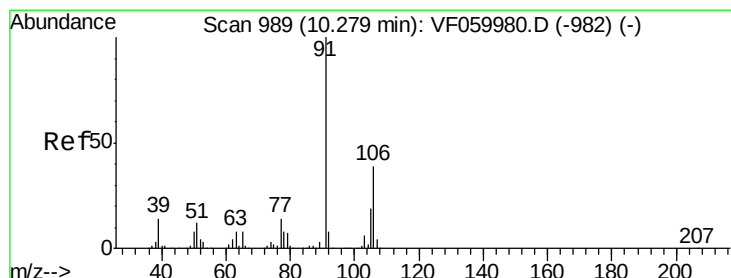
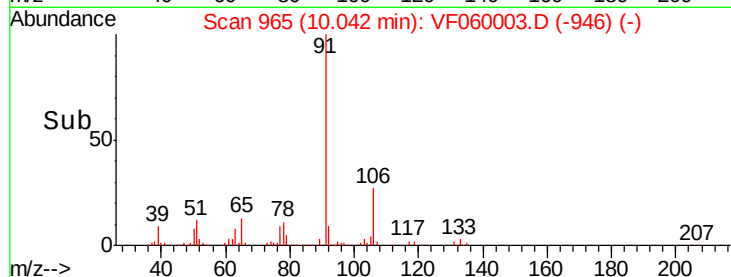
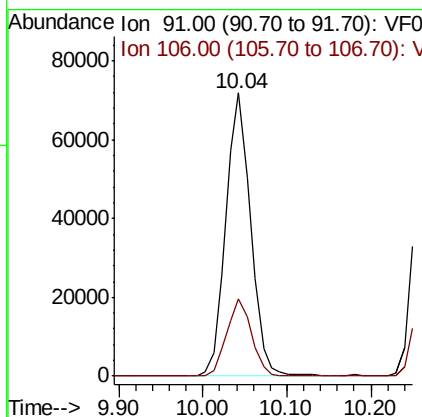
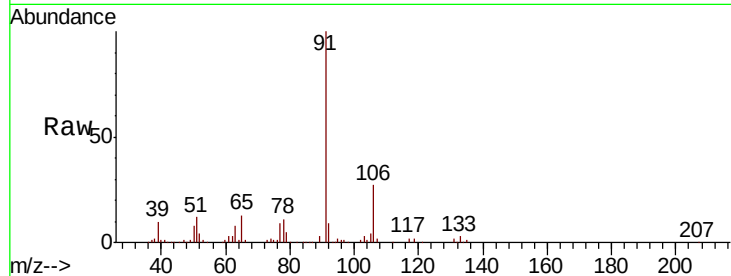
#67
Ethyl Benzene
Concen: 22.97 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion: 91 Resp: 147794
Ion Ratio Lower Upper
91 100
106 27.4 22.0 33.0

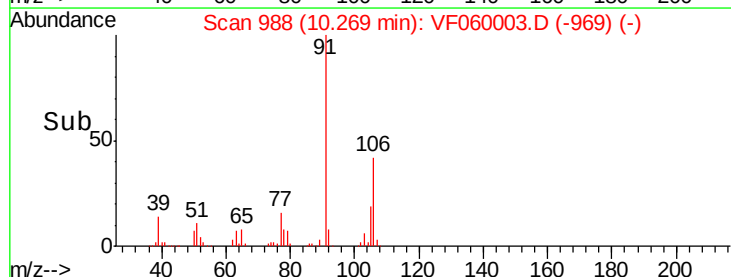
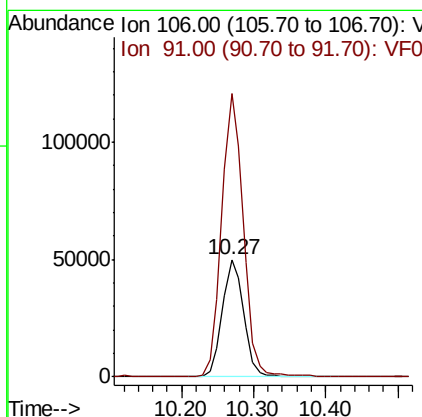
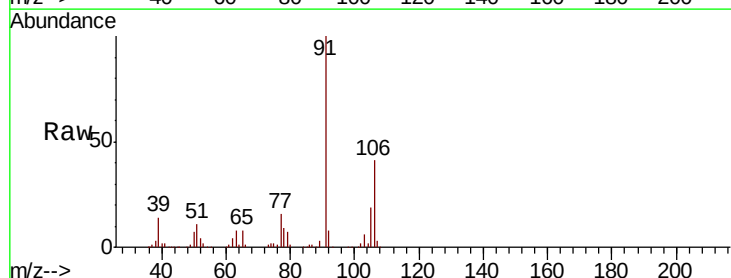
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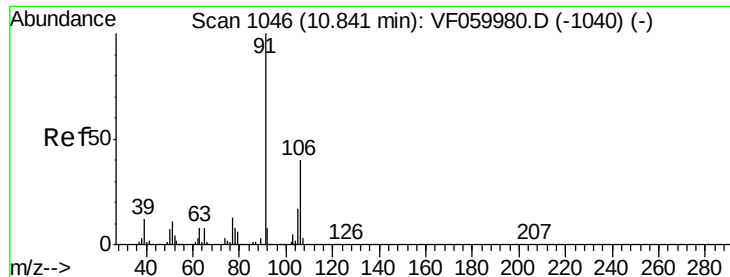
apatel
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#68
m/p-Xylenes
Concen: 46.12 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion: 106 Resp: 102822
Ion Ratio Lower Upper
106 100
91 241.7 203.5 305.3





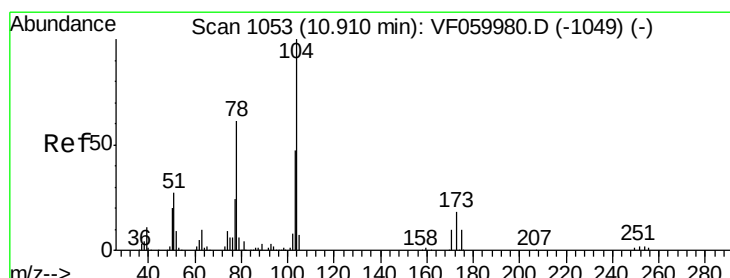
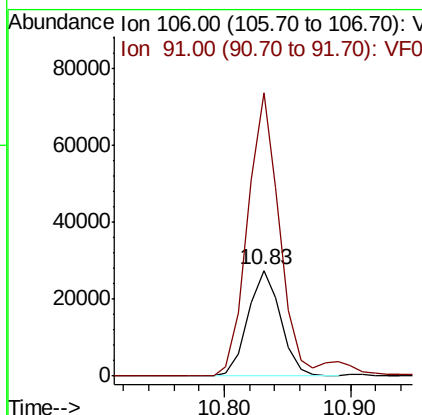
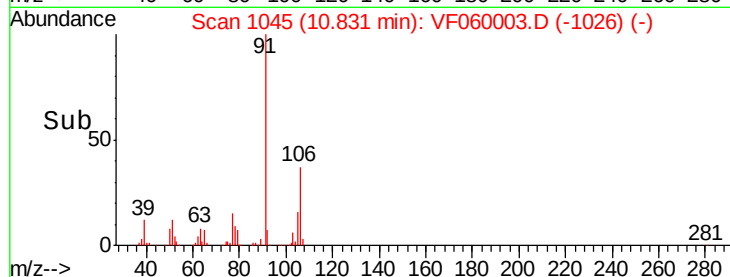
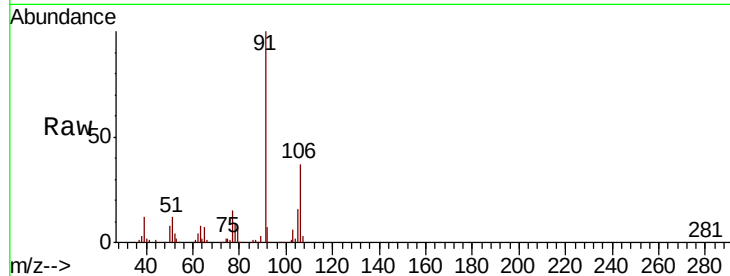
#69
o-Xylene
Concen: 21.87 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion:106 Resp: 49987
Ion Ratio Lower Upper
106 100
91 268.3 125.4 376.2

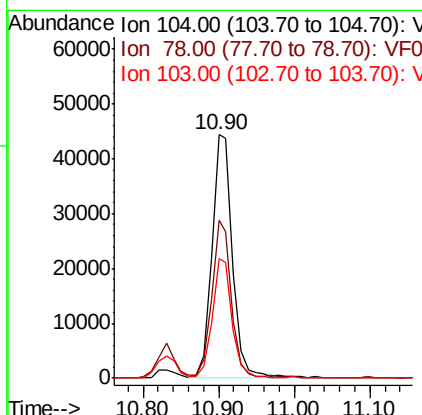
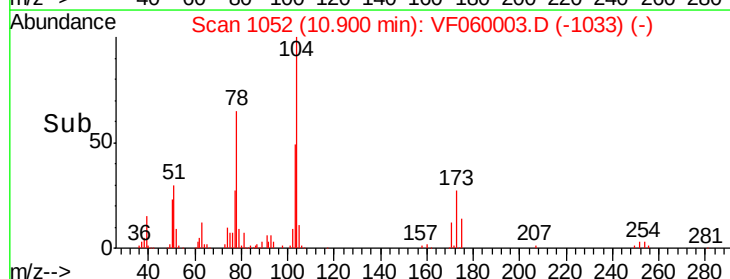
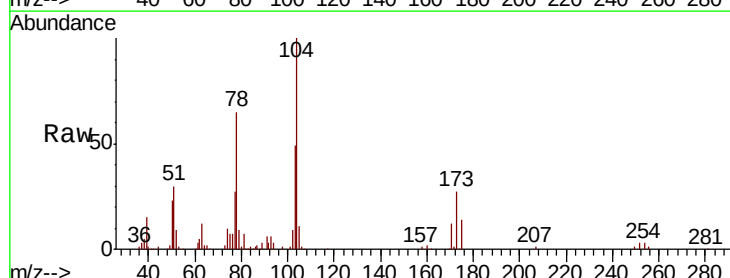
Manual Integrations
APPROVED

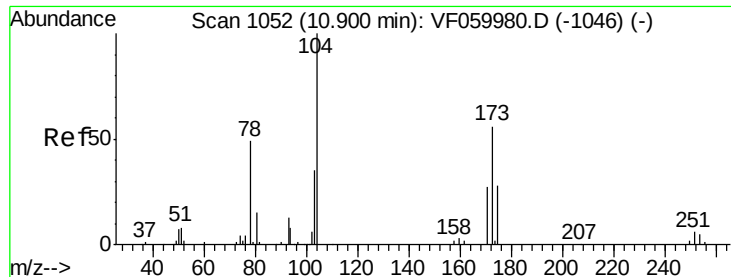
apatel
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#70
Styrene
Concen: 23.26 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion:104 Resp: 85174
Ion Ratio Lower Upper
104 100
78 64.9 49.0 73.6
103 49.1 38.2 57.4





#71

Bromoform

Concen: 22.72 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

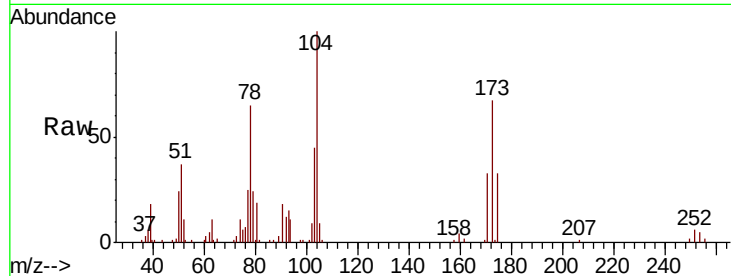
ClientSampleId :

VF0820SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.8	74.3
254	0.0	0.0	0.0

Manual Integrations
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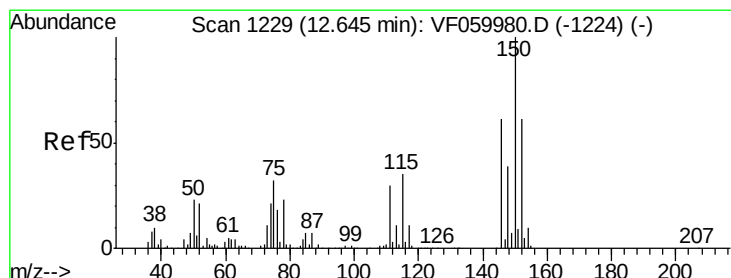
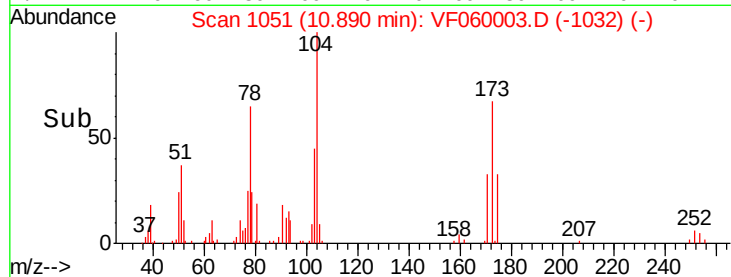
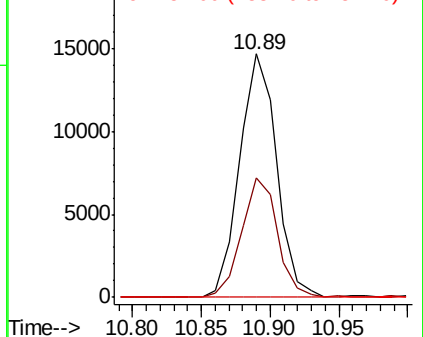


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

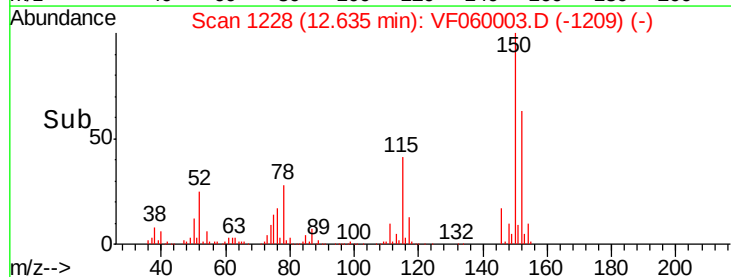
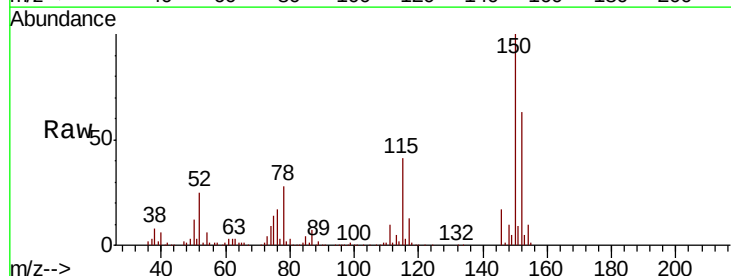
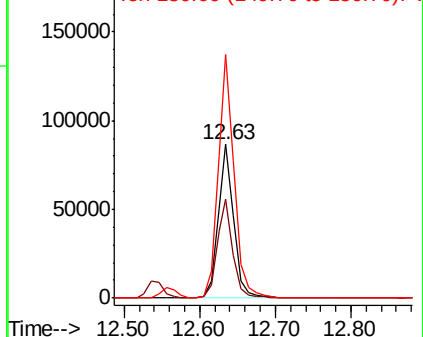
Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.3	29.1	87.3
150	158.1	0.0	330.2

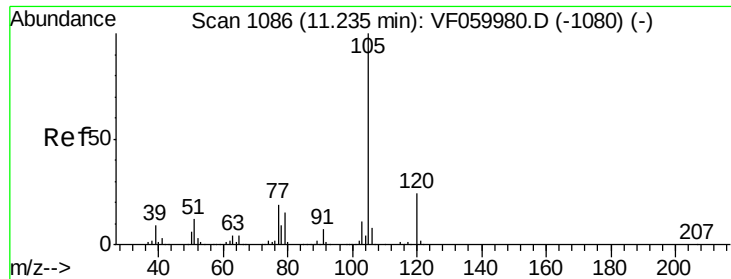
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





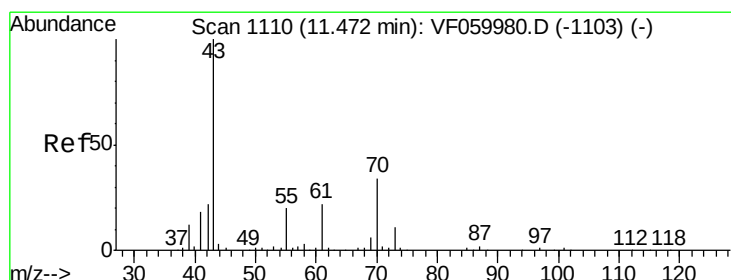
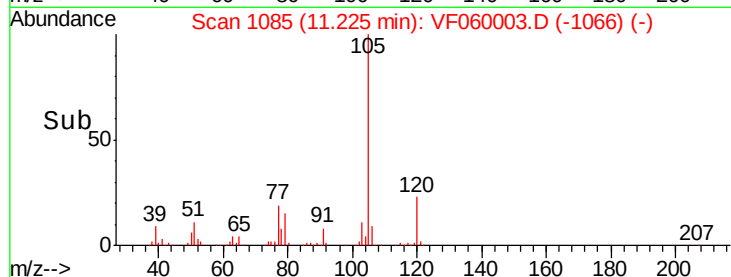
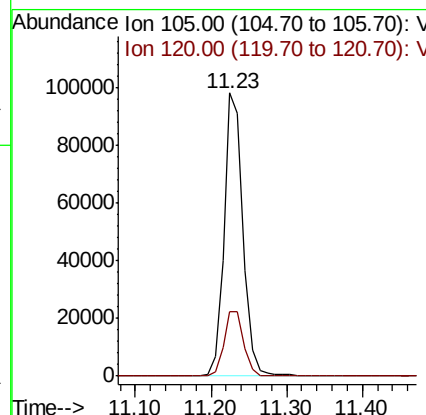
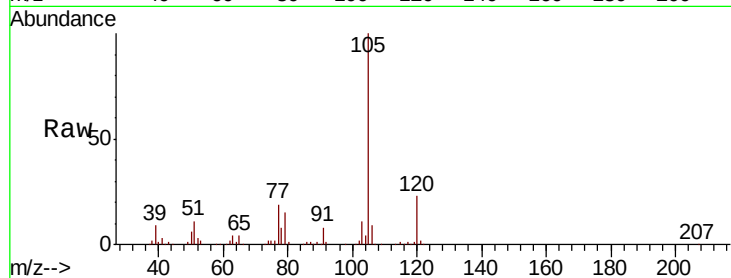
#73
Isopropylbenzene
Concen: 22.77 ug/l
RT: 11.23 min Scan# 1085
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	22.6	11.9	35.5

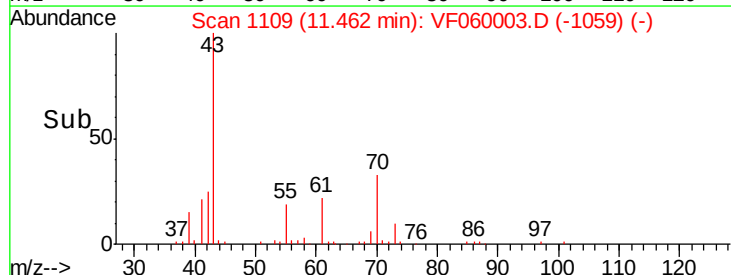
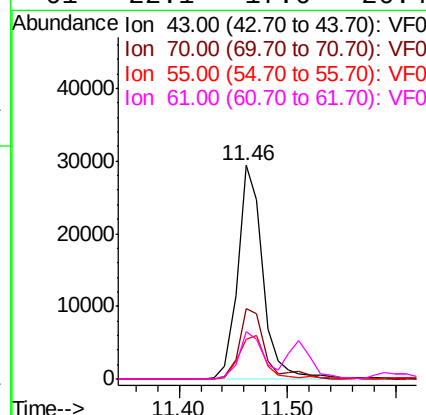
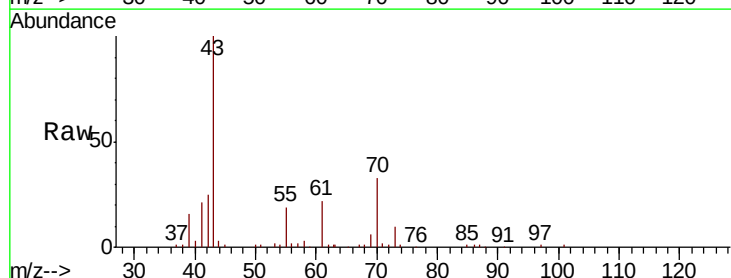
Manual Integrations
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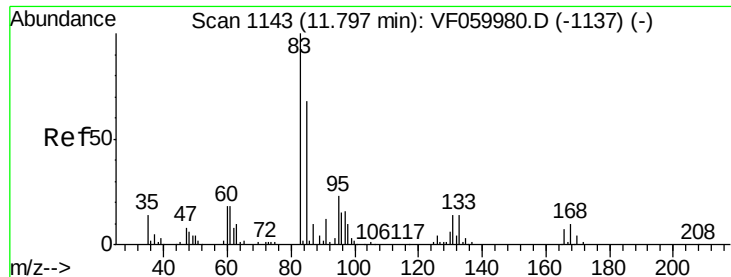
apatel
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#74
N-ethyl acetate
Concen: 22.32 ug/l
RT: 11.46 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion	Ratio	Lower	Upper
43	100		
70	33.2	27.2	40.8
55	18.5	16.4	24.6
61	22.1	17.6	26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.77 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

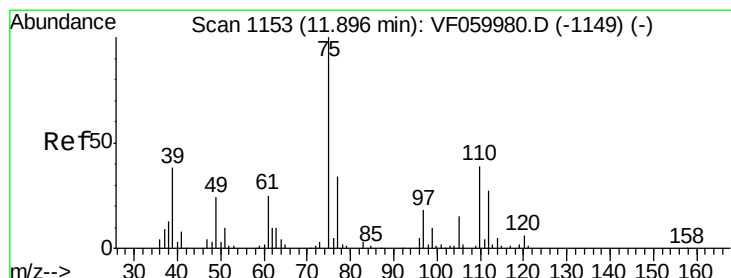
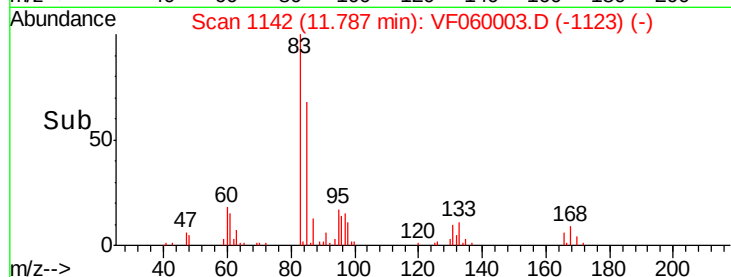
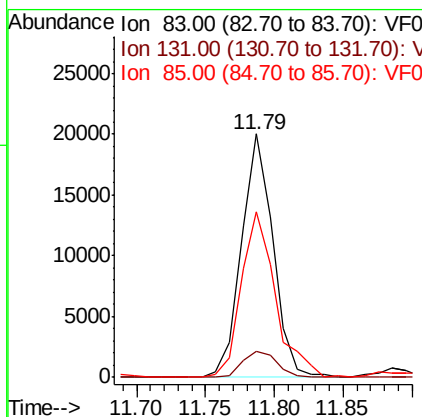
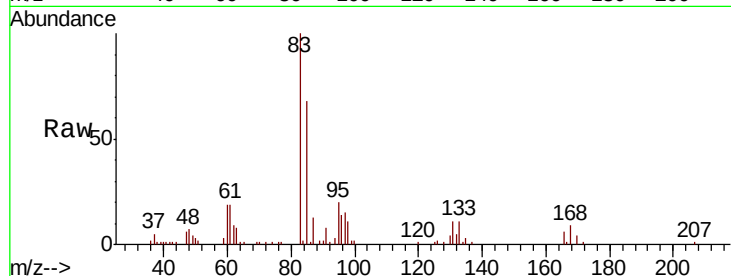
ClientSampleId :

VF0820SBS01

Tot Ion:	83	Resp:	32030
Ion Ratio	Lower	Upper	
83	100		
131	10.9	7.2	21.6
85	68.1	34.1	102.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.34 ug/l

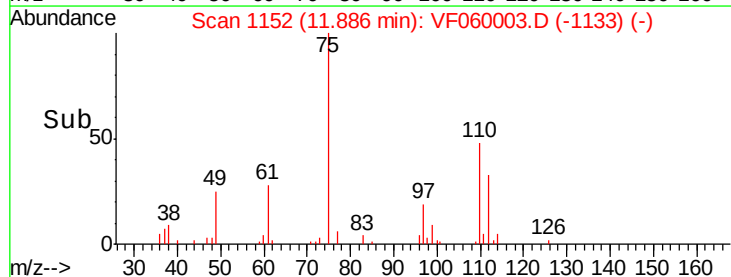
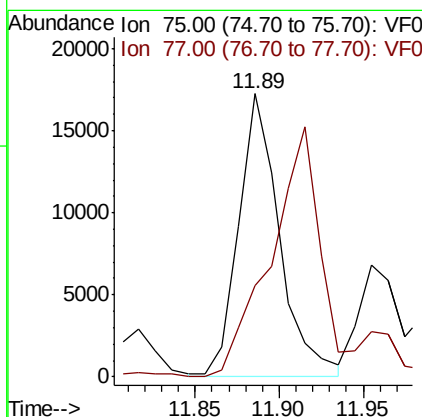
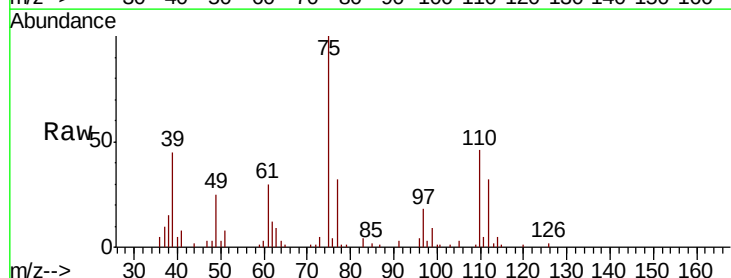
RT: 11.89 min Scan# 1152

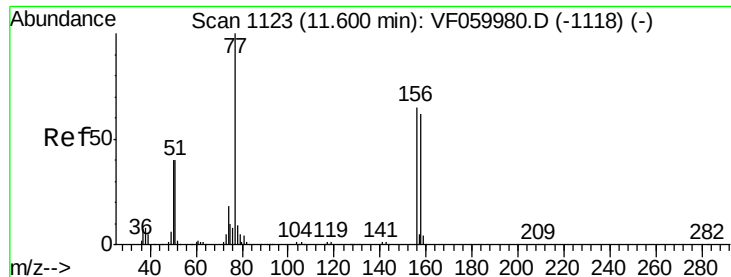
Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Tgt Ion:	75	Resp:	29121
Ion Ratio	Lower	Upper	
75	100		
77	32.2	17.1	51.3





#77

Bromobenzene

Concen: 21.05 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

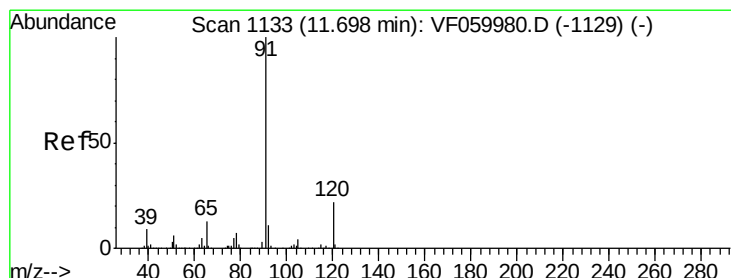
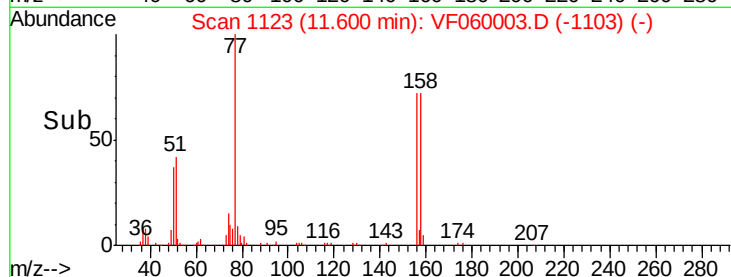
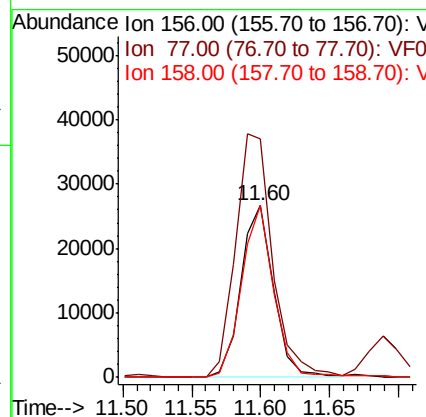
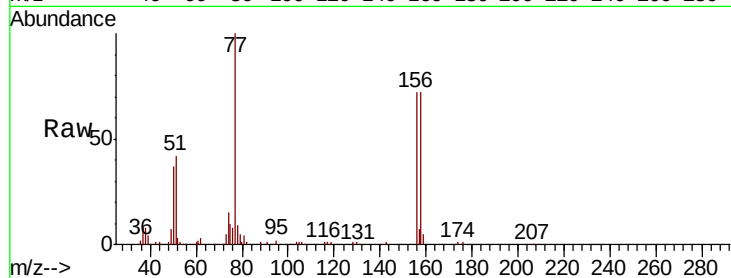
ClientSampleId :

VF0820SBS01

Tot Ion:	156	Resp:	44009
Ion Ratio	Lower	Upper	
156	100		
77	139.2	76.9	230.7
158	100.0	47.7	143.1

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#78

n-propylbenzene

Concen: 22.09 ug/l

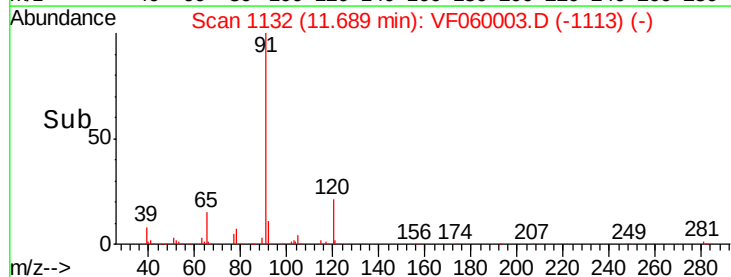
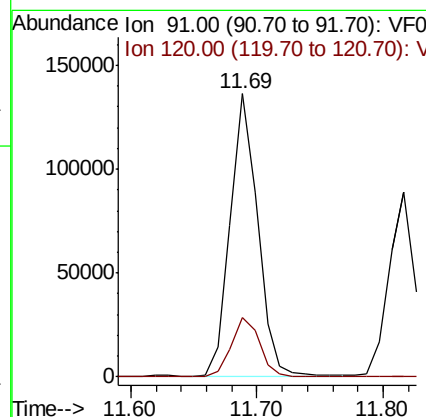
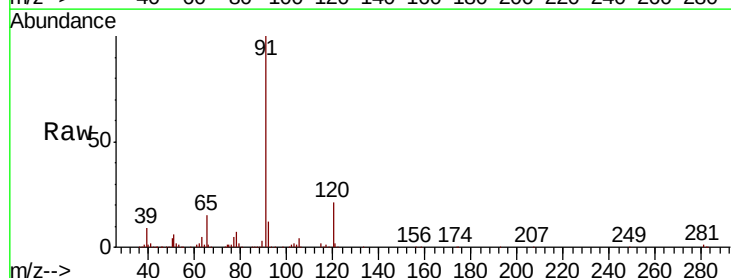
RT: 11.69 min Scan# 1132

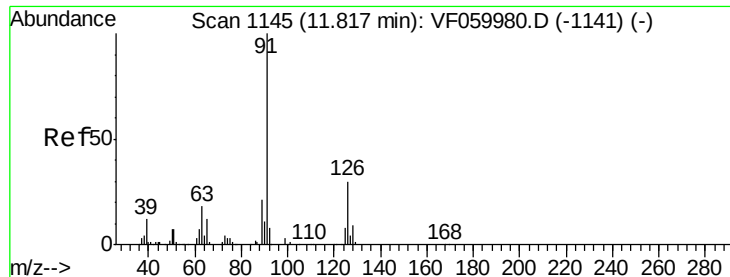
Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Tgt Ion:	91	Resp:	205538
Ion Ratio	Lower	Upper	
91	100		
120	21.2	11.0	33.0





#79

2-Chlorotoluene

Concen: 22.99 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

Tot Ion: 91 Resp: 129968

Ion Ratio Lower Upper

91 100

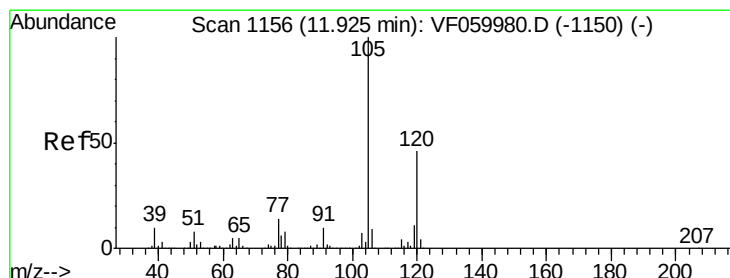
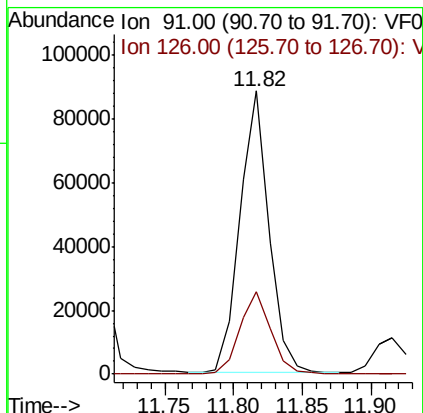
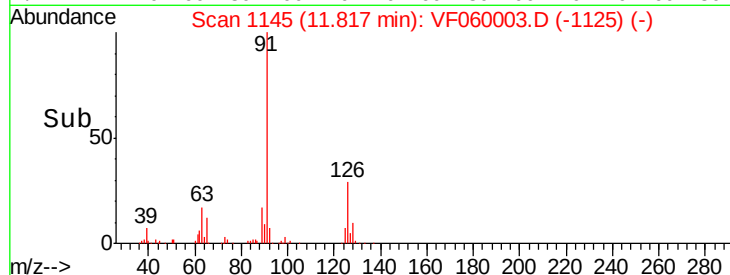
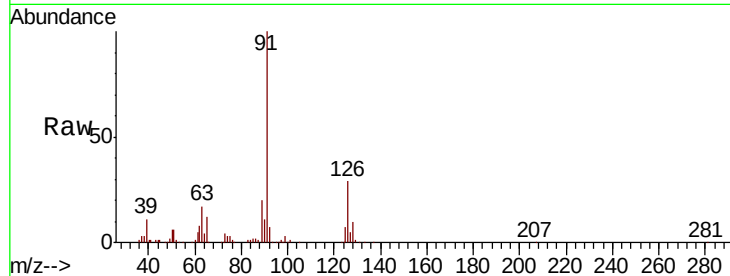
126 29.3 14.7 44.1

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#80

1,3,5-Trimethylbenzene

Concen: 22.59 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF060003.D

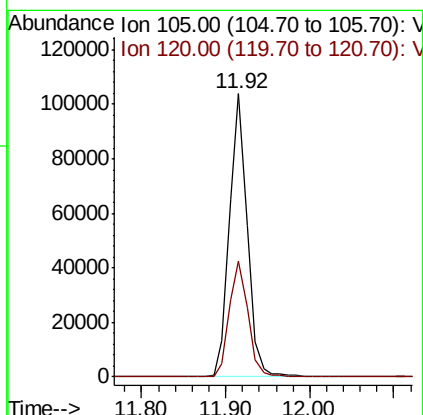
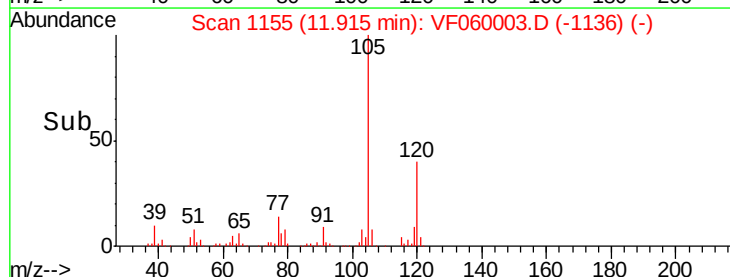
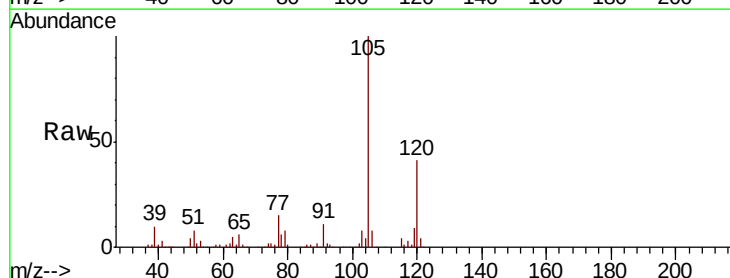
Acq: 20 Aug 2018 15:41

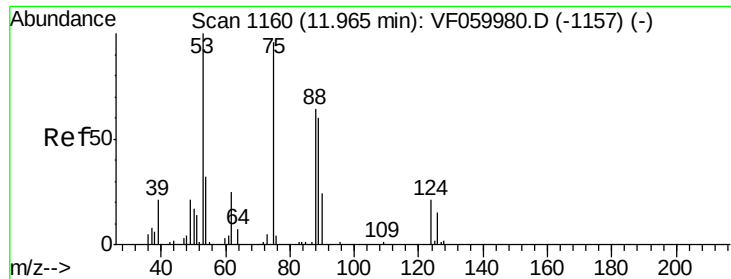
Tgt Ion: 105 Resp: 153041

Ion Ratio Lower Upper

105 100

120 40.8 22.9 68.7





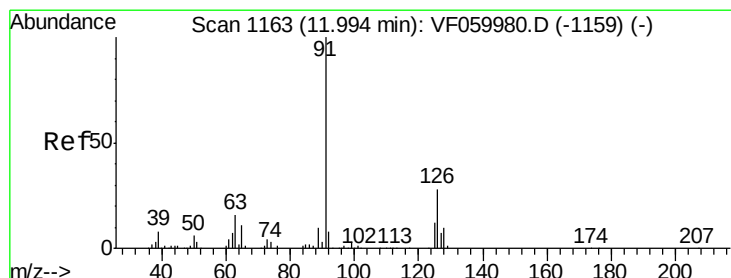
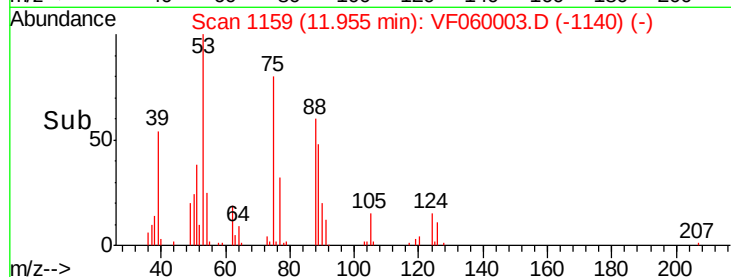
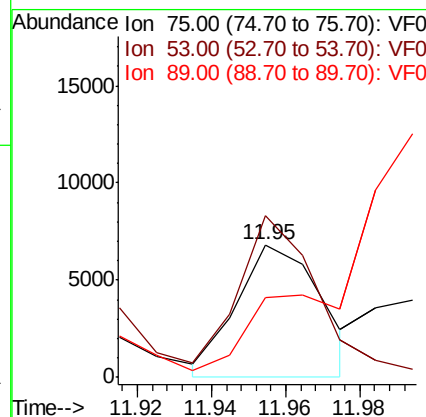
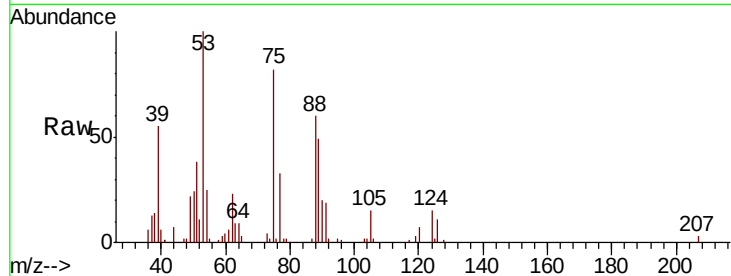
#81
trans-1,4-Dichloro-2-butene
Concen: 19.54 ug/l m
RT: 11.95 min Scan# 1159
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.0	87.4	131.0
89	60.1	52.8	79.2

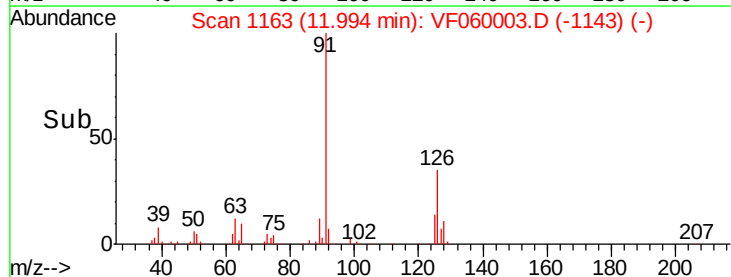
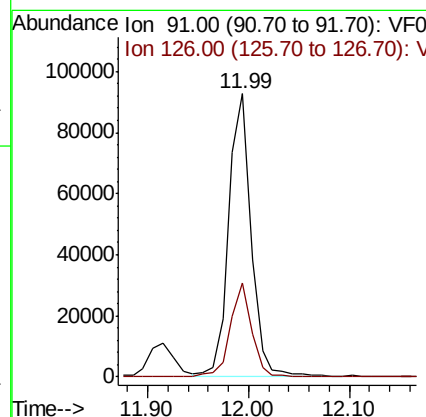
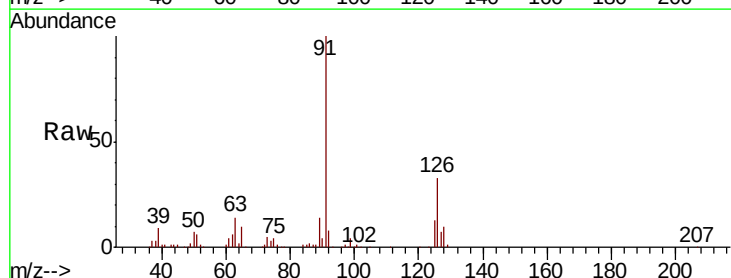
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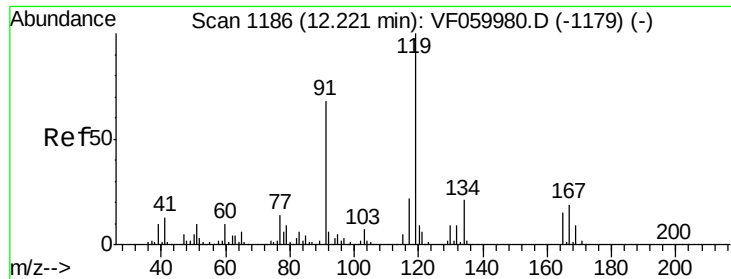
apatel
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#82
4-Chlorotoluene
Concen: 23.12 ug/l
RT: 11.99 min Scan# 1163
Delta R.T. -0.00 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	14.1	42.4





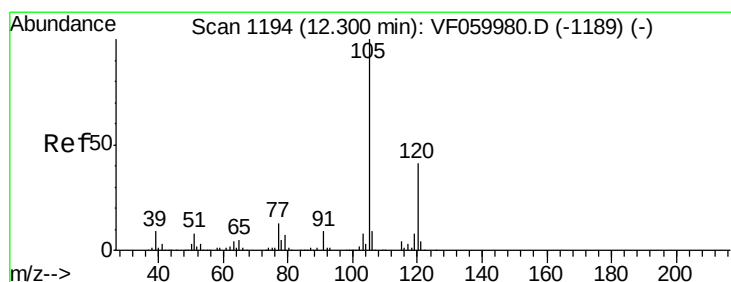
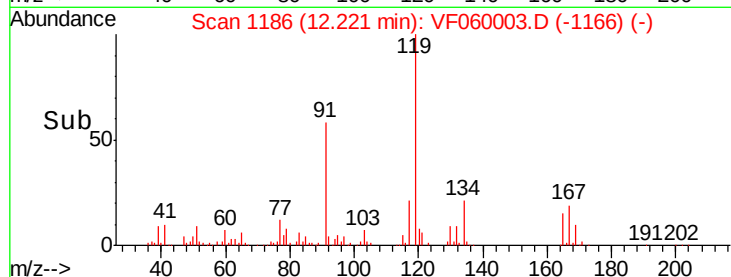
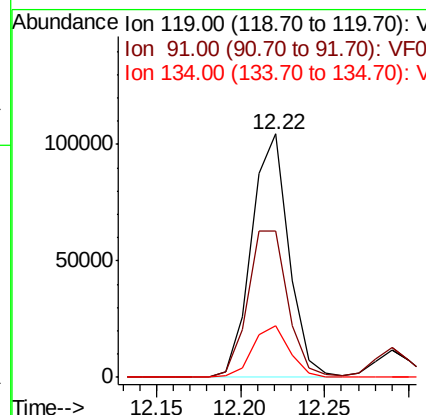
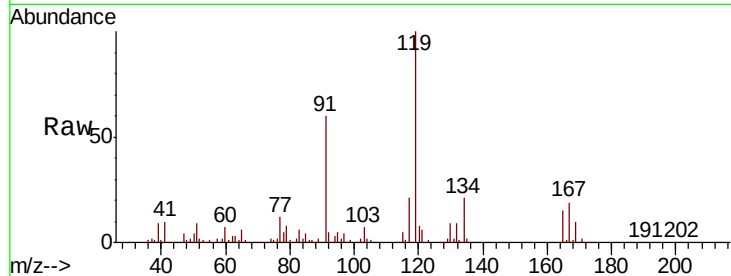
#83
 tert-Butylbenzene
 Concen: 24.16 ug/l
 RT: 12.22 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	160813		
91	60.3	34.1	102.2	
134	20.9	10.5	31.6	

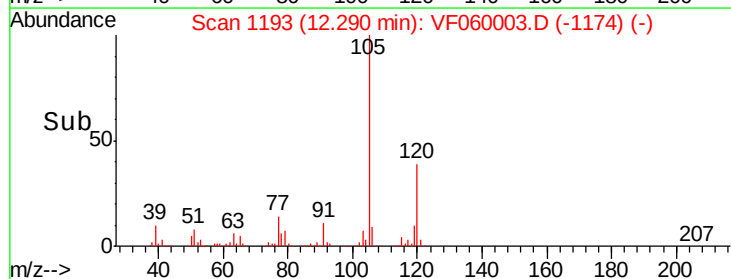
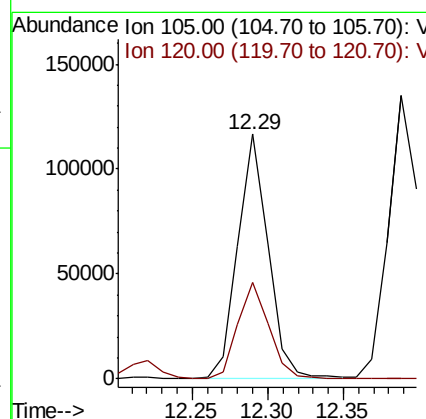
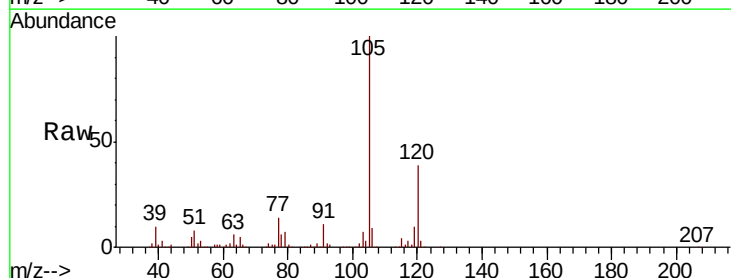
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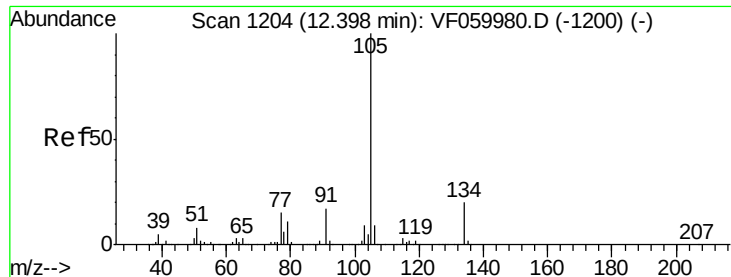
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.86 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	163079		
120	39.4	20.9	62.7	





#85

sec-Butylbenzene

Concen: 22.36 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

ClientSampleId :

VF0820SBS01

Tot Ion:105 Resp: 196770

Ion Ratio Lower Upper

105 100

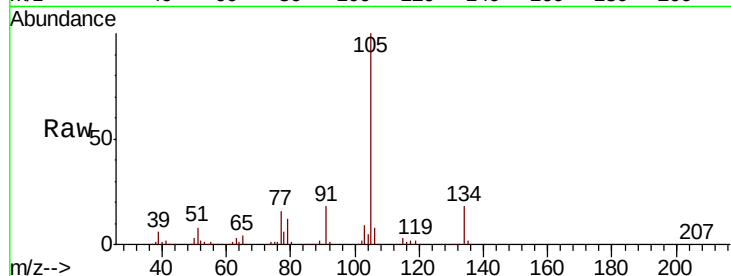
134 17.9 9.8 29.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

12.39

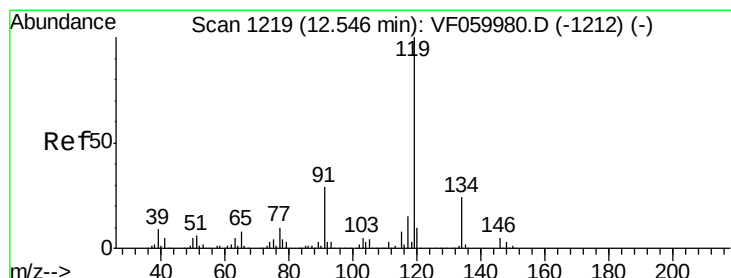
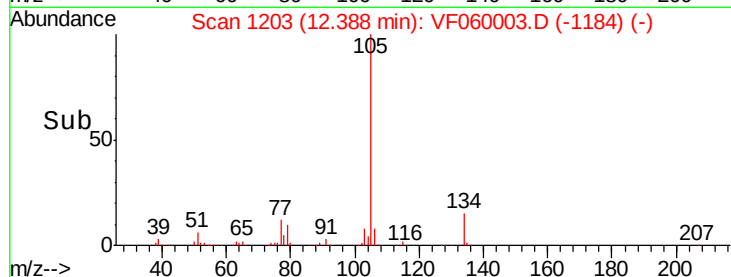
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 23.03 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

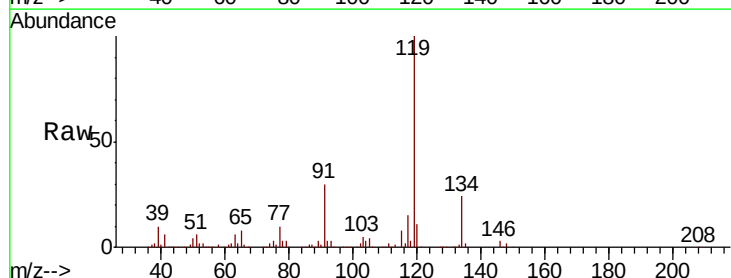
Tgt Ion:119 Resp: 179291

Ion Ratio Lower Upper

119 100

134 23.6 12.1 36.3

91 29.9 14.4 43.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

12.54

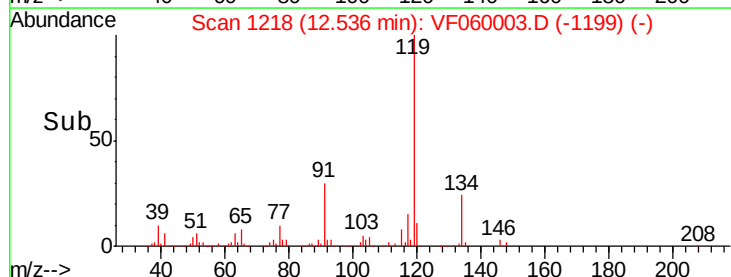
150000

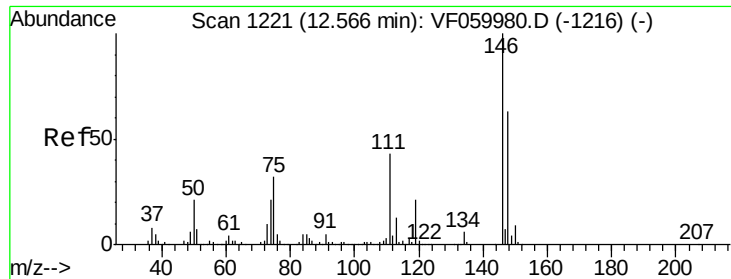
100000

50000

0

Time-->





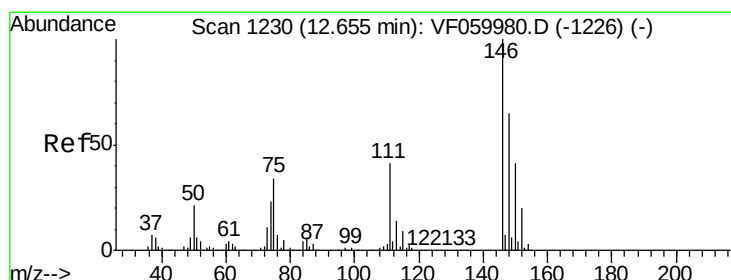
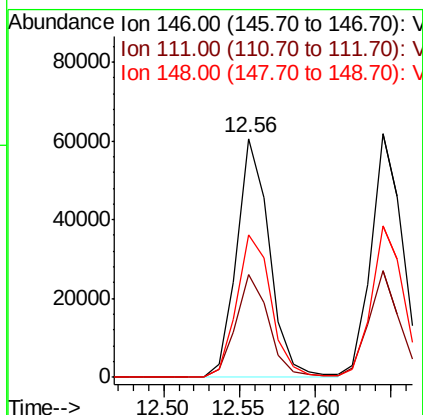
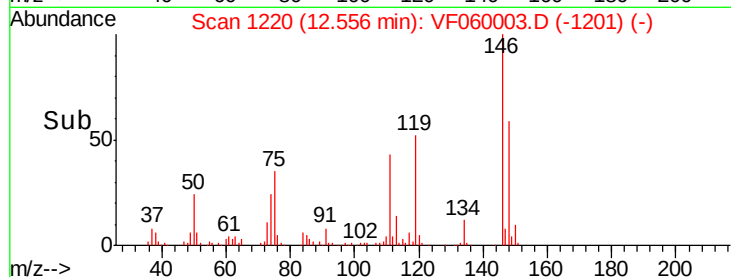
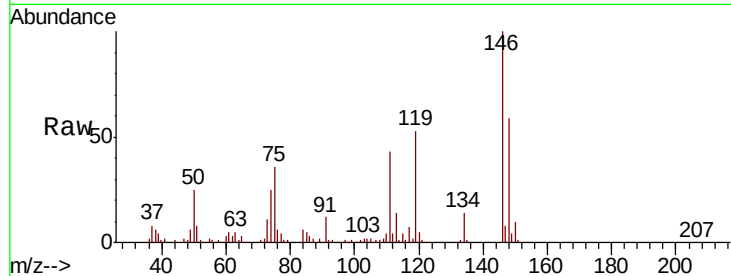
#87
 1,3-Dichlorobenzene
 Concen: 22.82 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.3	63.7
148	59.4	31.6	95.0

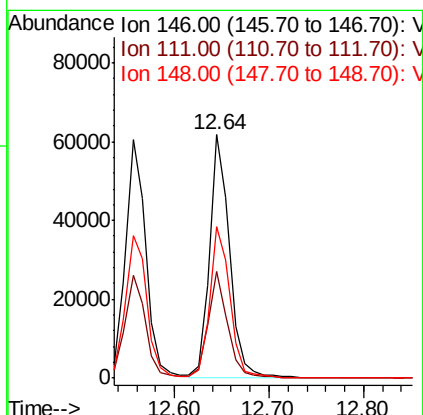
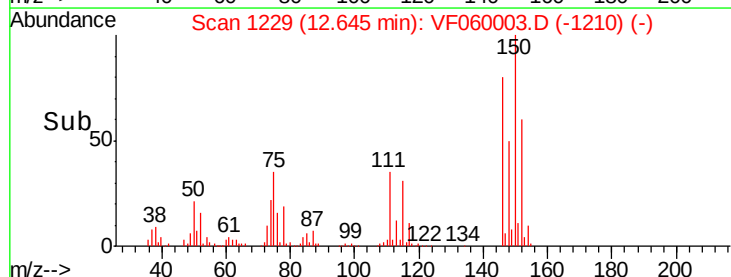
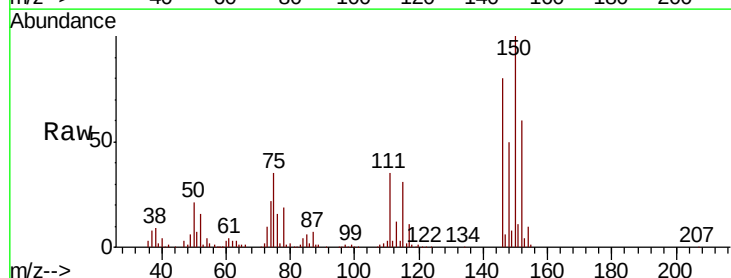
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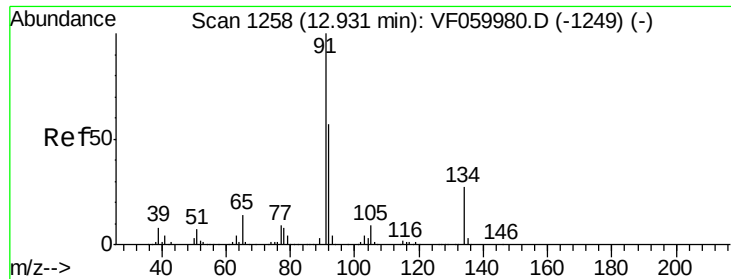
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#88
 1,4-Dichlorobenzene
 Concen: 23.56 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.9	20.3	61.0
148	62.4	32.6	97.8





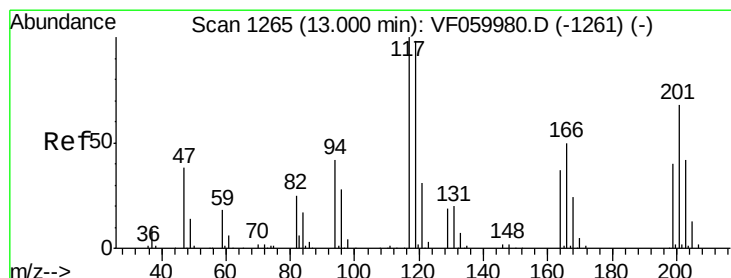
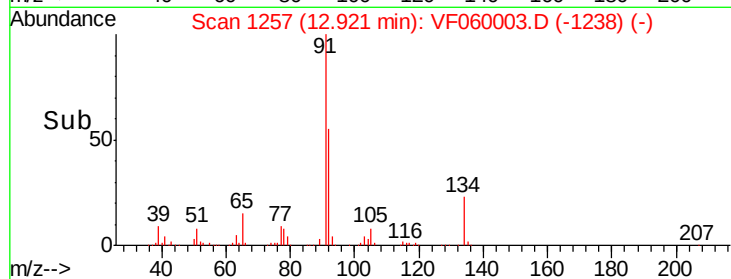
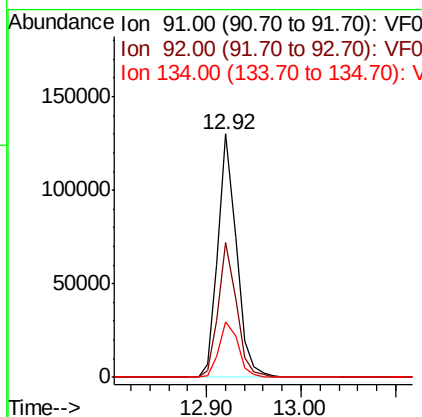
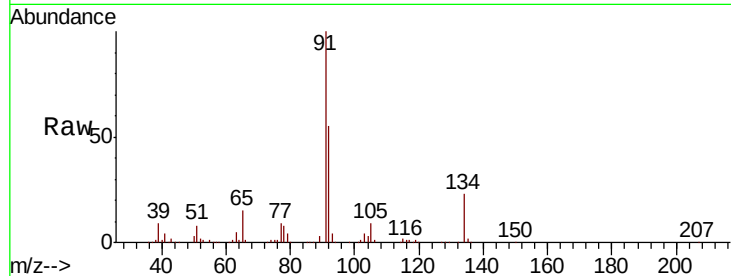
#89
n-Butylbenzene
Concen: 23.75 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Instrument :
MSVOA_F
ClientSampleId :
VF0820SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	55.1	28.7	86.3	
134	22.6	13.3	39.9	

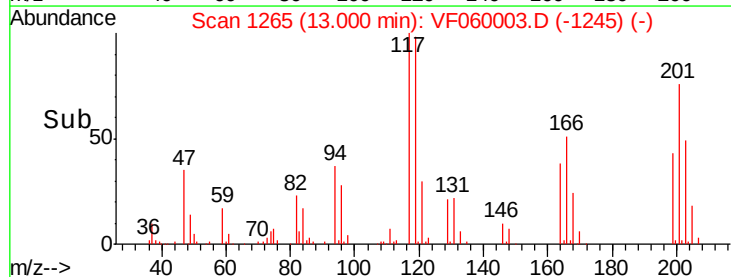
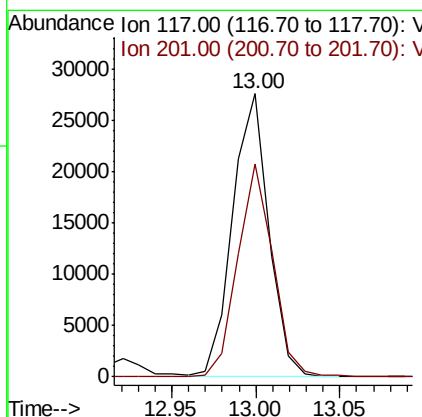
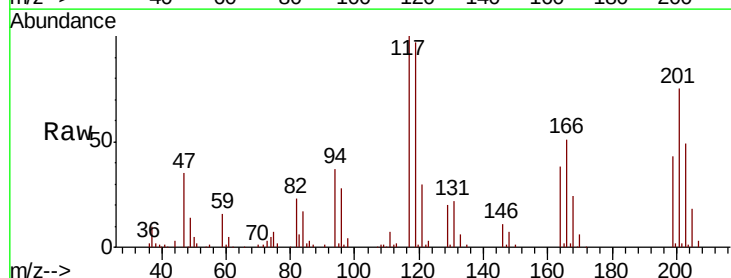
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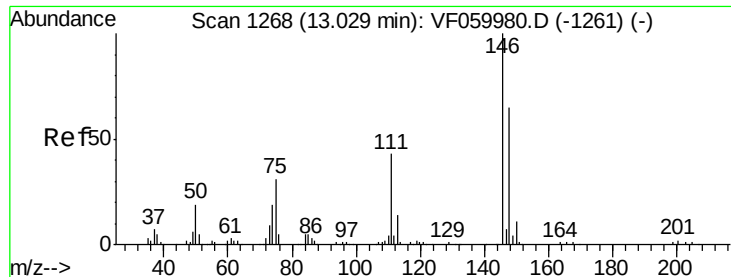
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#90
Hexachloroethane
Concen: 23.47 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VF060003.D
Acq: 20 Aug 2018 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	75.4	34.5	103.5	





#91

1,2-Dichlorobenzene

Concen: 22.89 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

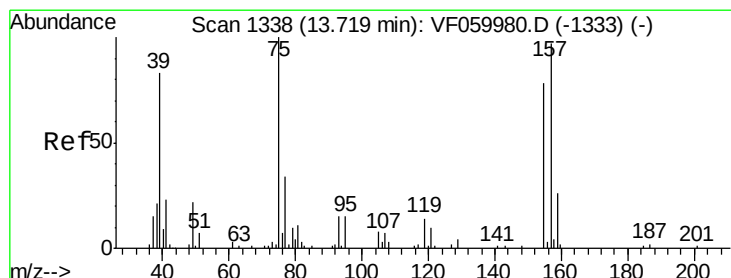
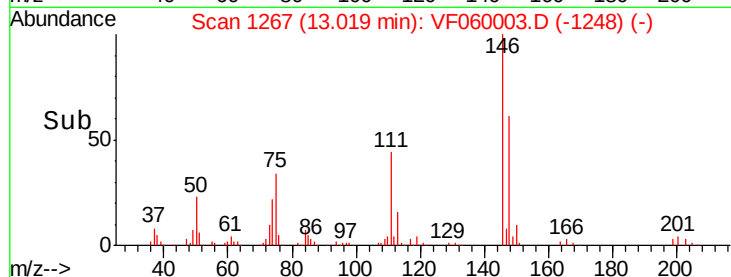
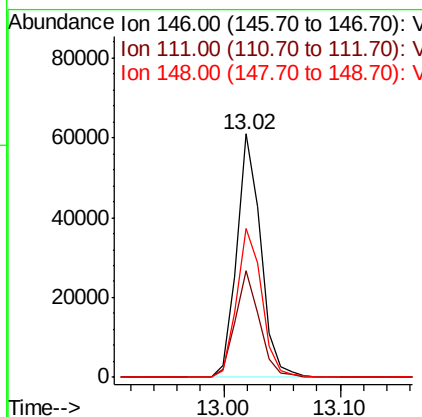
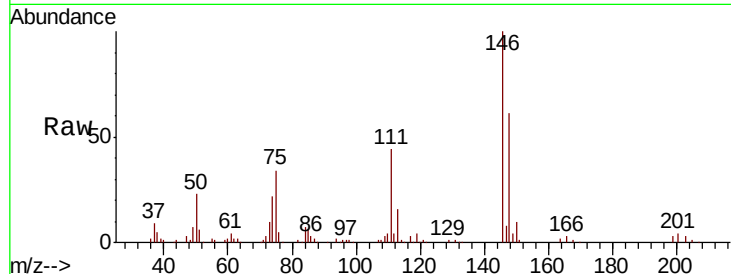
ClientSampleId :

VF0820SBS01

Tot Ion:	146	Resp:	87408
Ion Ratio	Lower	Upper	
146	100		
111	43.8	21.4	64.3
148	61.0	32.5	97.4

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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.09 ug/l

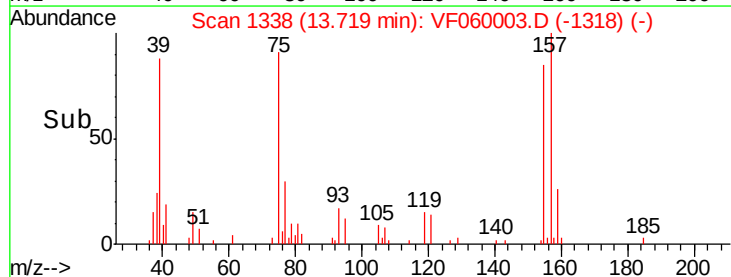
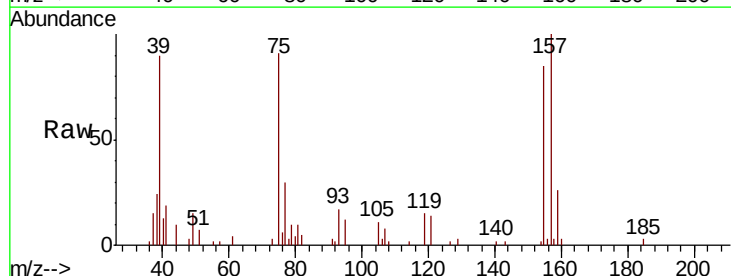
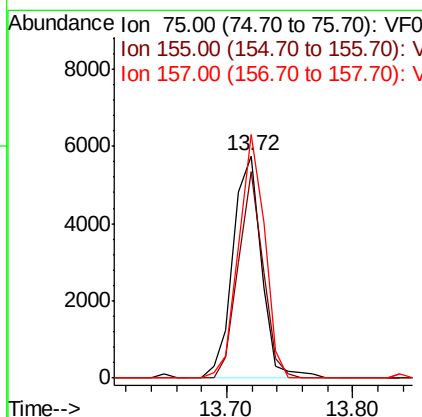
RT: 13.72 min Scan# 1338

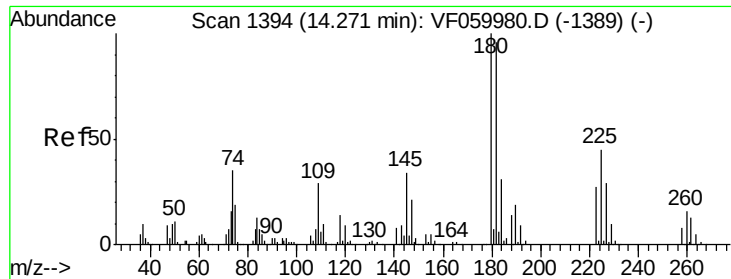
Delta R.T. 0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Tgt Ion:	75	Resp:	8988
Ion Ratio	Lower	Upper	
75	100		
155	92.9	38.9	116.7
157	113.2	50.8	152.5





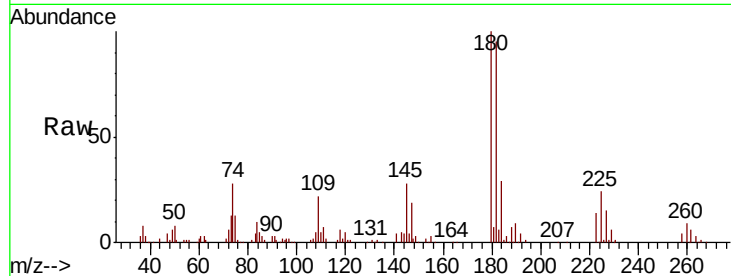
#93
 1,2,4-Trichlorobenzene
 Concen: 22.67 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.00 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0820SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.6
145	28.3	17.2	51.5

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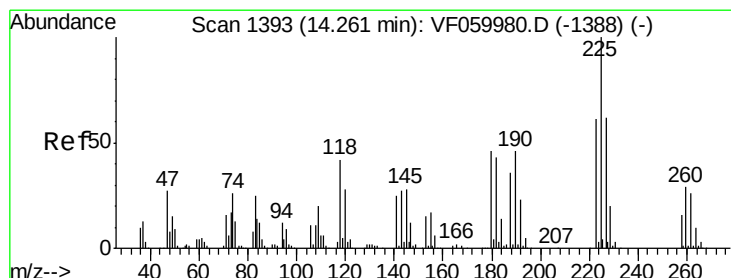
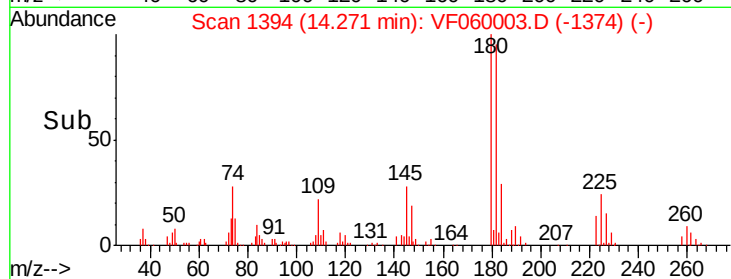
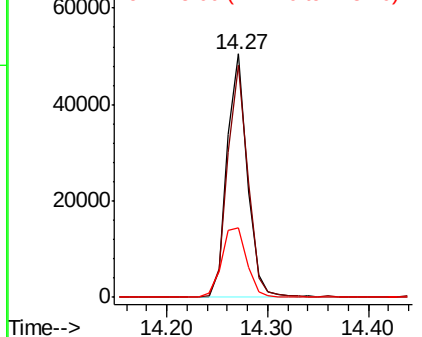


Abundance

Ion 180.00 (179.70 to 180.70): V

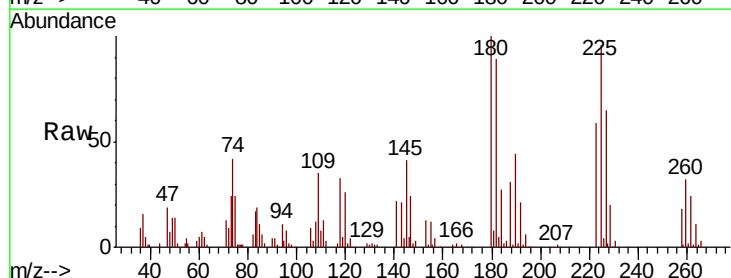
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 22.11 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF060003.D
 Acq: 20 Aug 2018 15:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	29.1	87.4
227	67.7	29.8	89.5

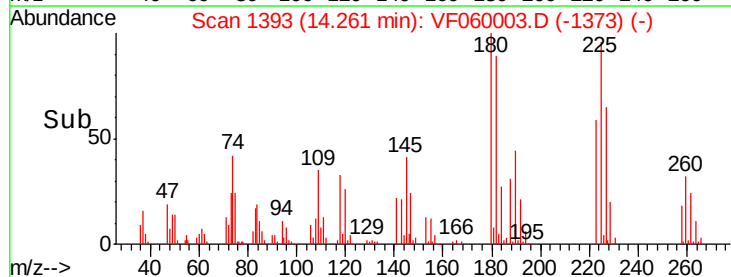
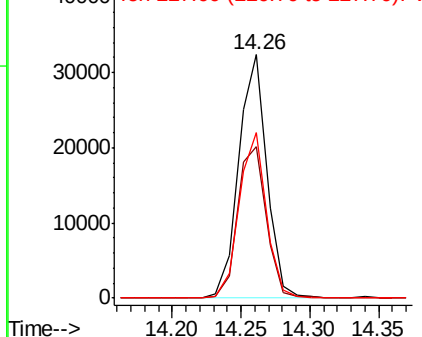


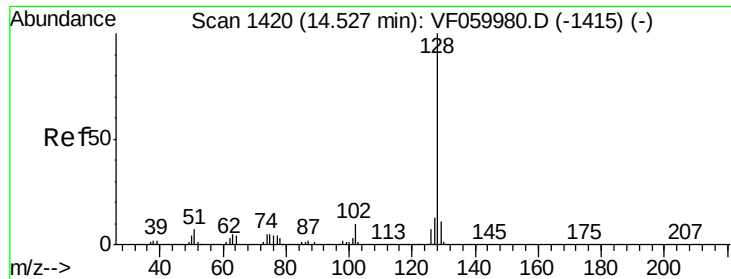
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 21.83 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Instrument :

MSVOA_F

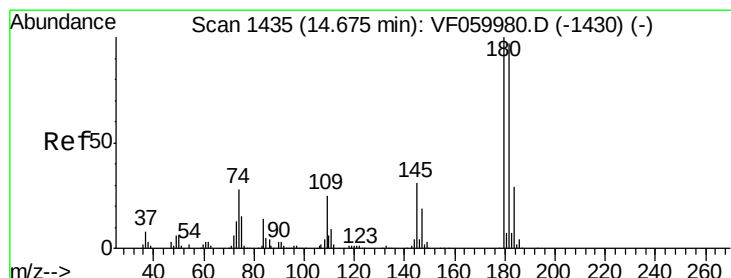
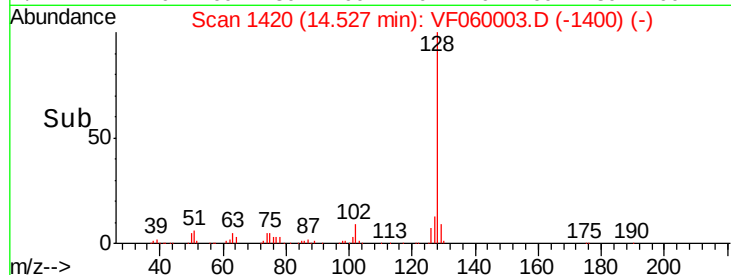
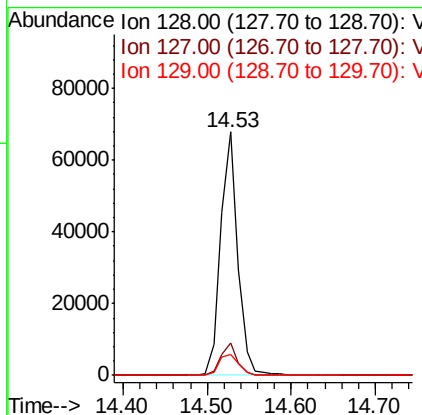
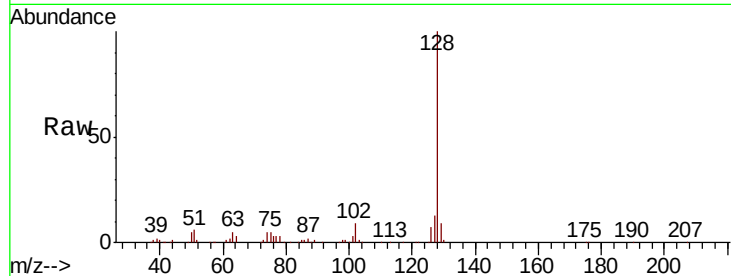
ClientSampleId :

VF0820SBSD01

Tot Ion:	128	Resp:	95750
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	8.6	9.0	13.4

Manual Integrations
APPROVED

apatel
8/21/2018 10:01:39 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.46 ug/l

RT: 14.68 min Scan# 1435

Delta R.T. 0.00 min

Lab File: VF060003.D

Acq: 20 Aug 2018 15:41

Tgt Ion:	180	Resp:	67488
Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.5	145.5
145	29.2	15.7	47.1

