

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082418\
 Data File : VF060097.D
 Acq On : 24 Aug 2018 13:56
 Operator : VA/AP
 Sample : VF0824SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

Manual Integrations
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 8/27/2018 3:22:02 PM

Quant Time: Aug 25 04:25:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	164734	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	261966	50.00	ug/l	-0.02
63) Chlorobenzene-d5	9.92	117	290977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	172891	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	108779	48.25	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	96.50%	
35) Dibromofluoromethane	4.29	113	104527	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	7.71	98	281846	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
62) 4-Bromofluorobenzene	11.51	95	156014	50.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	54690	25.22	ug/l	92
3) Chloromethane	1.07	50	40474	27.05	ug/l	94
4) Vinyl Chloride	1.12	62	29407	21.84	ug/l	92
5) Bromomethane	1.31	94	22452	21.94	ug/l	95
6) Chloroethane	1.39	64	13244	24.95	ug/l	90
7) Trichlorofluoromethane	1.48	101	80339	29.67	ug/l	97
8) Diethyl Ether	1.70	74	9053	18.70	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	1.86	101	37126	26.12	ug/l	98
10) Methyl Iodide	1.93	142	36829	19.60	ug/l	90
11) Tert butyl alcohol	2.66	59	9775	81.50	ug/l #	96
12) 1,1-Dichloroethene	1.83	96	24339	23.24	ug/l	88
13) Acrolein	2.08	56	3096	64.13	ug/l	87
14) Allyl chloride	2.19	41	41162	22.13	ug/l	89
15) Acrylonitrile	3.07	53	21536	90.99	ug/l	94
16) Acetone	2.33	43	67483	113.89	ug/l	100
17) Carbon Disulfide	1.84	76	78462	23.93	ug/l	100
18) Methyl Acetate	2.45	43	18180	15.09	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	60741	18.10	ug/l	98
20) Methylene Chloride	2.28	84	27117	20.18	ug/l #	93
21) trans-1,2-Dichloroethene	2.41	96	25201	21.51	ug/l	98
22) Diisopropyl ether	2.92	45	76724	18.42	ug/l	96
23) Vinyl Acetate	3.33	43	221891	100.57	ug/l	97
24) 1,1-Dichloroethane	3.00	63	59572	23.16	ug/l	98
25) 2-Butanone	4.50	43	83239	108.15	ug/l	96
26) 2,2-Dichloropropane	3.76	77	64114	24.09	ug/l	87
27) cis-1,2-Dichloroethene	3.63	96	39441	23.75	ug/l	97
28) Bromochloromethane	3.88	49	25716	23.68	ug/l	90
29) Tetrahydrofuran	4.25	42	27678	95.25	ug/l	99
30) Chloroform	4.04	83	87466	24.22	ug/l	90
31) Cyclohexane	3.86	56	48713	24.85	ug/l	92
32) 1,1,1-Trichloroethane	4.27	97	79339	25.66	ug/l	97
36) 1,1-Dichloropropene	4.46	75	52362	21.27	ug/l	94
37) Ethyl Acetate	4.28	43	27311	18.55	ug/l #	78
38) Carbon Tetrachloride	4.17	117	69360	24.33	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	54768	23.73	ug/l	93
40) Benzene	4.81	78	122489	22.78	ug/l	94
41) Methacrylonitrile	4.91	41	13301	17.86	ug/l	90
42) 1,2-Dichloroethane	5.11	62	62328	21.61	ug/l	99
43) Isopropyl Acetate	7.11	43	28985	15.64	ug/l #	99
44) Trichloroethene	5.67	130	40487	22.77	ug/l	94
45) 1,2-Dichloropropane	6.40	63	32766	21.54	ug/l	92
46) Dibromomethane	6.25	93	25014	21.01	ug/l	97
47) Bromodichloromethane	6.55	83	65007	22.61	ug/l	96
48) Methyl methacrylate	6.87	41	21737	17.73	ug/l	92
49) 1,4-Dioxane	6.87	88	4356	370.05	ug/l	95
51) 4-Methyl-2-Pentanone	8.40	43	162545	101.58	ug/l	97
52) Toluene	7.78	92	92187	24.11	ug/l	94
53) t-1,3-Dichloropropene	8.42	75	56188	21.55	ug/l	96
54) cis-1,3-Dichloropropene	7.46	75	60988	20.96	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	31660	21.82	ug/l	95
56) Ethyl methacrylate	8.76	69	32288	18.38	ug/l	93
57) 1,3-Dichloropropane	8.99	76	50469	19.79	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.78	63	16206	116.24	ug/l	100
59) 2-Hexanone	9.62	43	124789	96.35	ug/l	99
60) Dibromochloromethane	8.87	129	43074	20.11	ug/l	96
61) 1,2-Dibromoethane	9.13	107	34833	20.44	ug/l	99
64) Tetrachloroethene	8.30	164	42361	21.61	ug/l	95
65) Chlorobenzene	9.94	112	126085	22.95	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	44159	21.19	ug/l	97
67) Ethyl Benzene	10.04	91	213841	22.56	ug/l	100
68) m/p-Xylenes	10.26	106	161984	47.25	ug/l	96
69) o-Xylene	10.83	106	82049	22.09	ug/l	95
70) Styrene	10.90	104	130653	22.93	ug/l	97
71) Bromoform	10.89	173	26608	18.30	ug/l	96
73) Isopropylbenzene	11.23	105	238725	22.94	ug/l	98
74) N-amyl acetate	11.46	43	57905	17.90	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	46921	20.64	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	37010	21.00	ug/l	96
77) Bromobenzene	11.60	156	60689	21.44	ug/l	96
78) n-propylbenzene	11.68	91	317044	24.68	ug/l	98
79) 2-Chlorotoluene	11.81	91	177740	23.53	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	210931	23.26	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	12445m	15.43	ug/l	
82) 4-Chlorotoluene	11.99	91	189172	23.07	ug/l	98
83) tert-Butylbenzene	12.22	119	217769	24.63	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	215432	22.35	ug/l	98
85) sec-Butylbenzene	12.38	105	292148	23.73	ug/l	98
86) p-Isopropyltoluene	12.54	119	250812	24.56	ug/l	95
87) 1,3-Dichlorobenzene	12.55	146	124255	23.74	ug/l	100
88) 1,4-Dichlorobenzene	12.64	146	114434	22.00	ug/l	97
89) n-Butylbenzene	12.92	91	248184	25.01	ug/l	98
90) Hexachloroethane	13.00	117	55096	24.01	ug/l	88
91) 1,2-Dichlorobenzene	13.02	146	111869	22.23	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	7791	16.77	ug/l	93

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ClientSampleId :
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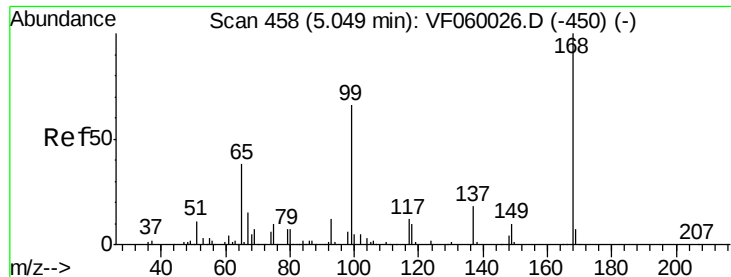
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	77491	20.91	ug/l	99
94) Hexachlorobutadiene	14.26	225	53571	23.22	ug/l	93
95) Naphthalene	14.52	128	90954	15.78	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	68391	19.34	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion:168 Resp: 164734

Ion Ratio Lower Upper

168 100

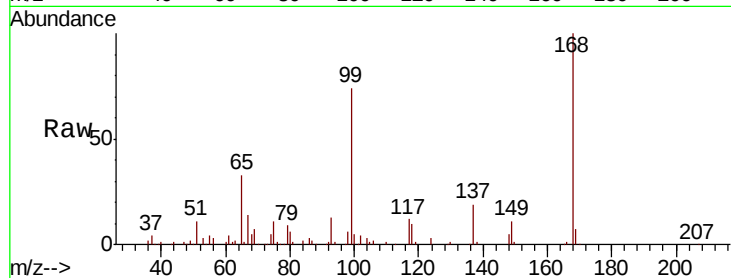
99 73.6 52.6 79.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

50000

40000

30000

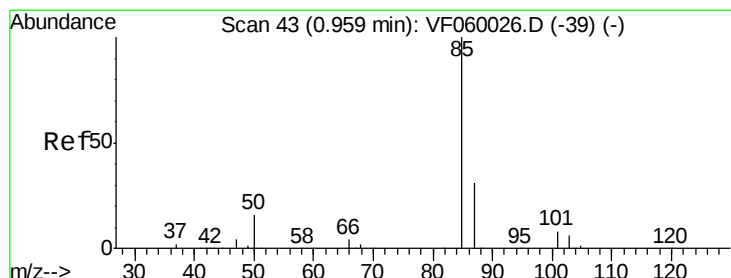
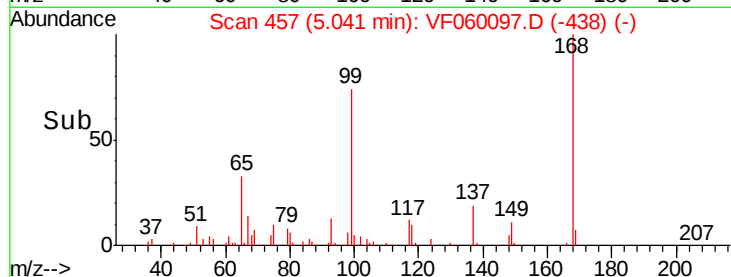
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 25.22 ug/l

RT: 0.96 min Scan# 43

Delta R.T. 0.00 min

Lab File: VF060097.D

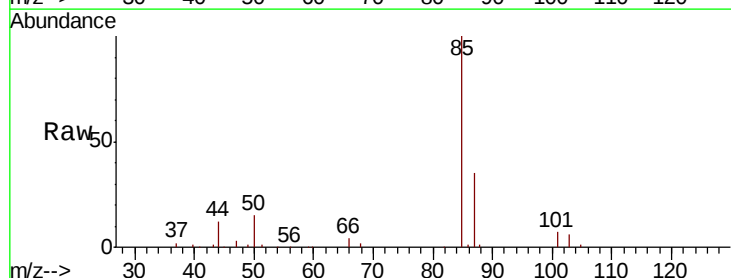
Acq: 24 Aug 2018 13:56

Tgt Ion: 85 Resp: 54690

Ion Ratio Lower Upper

85 100

87 35.0 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

40000

30000

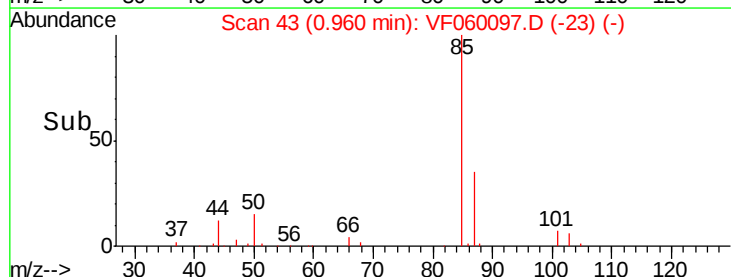
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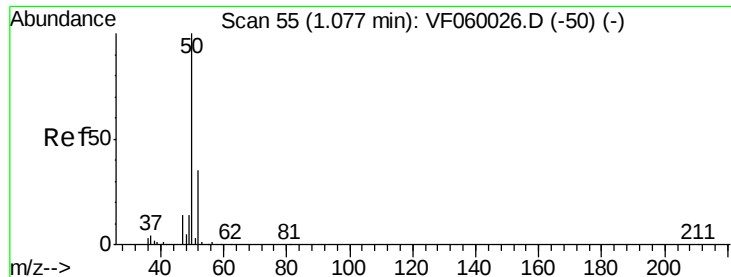
10000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 27.05 ug/l

RT: 1.07 min Scan# 54

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 50 Resp: 40474

Ion Ratio Lower Upper

50 100

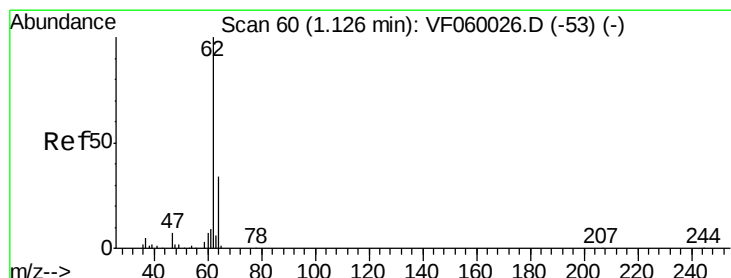
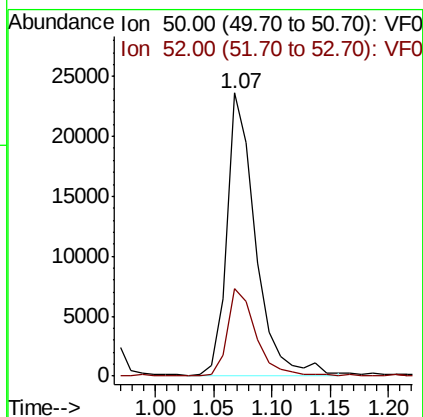
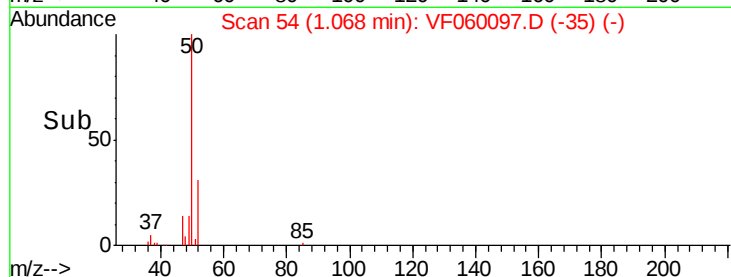
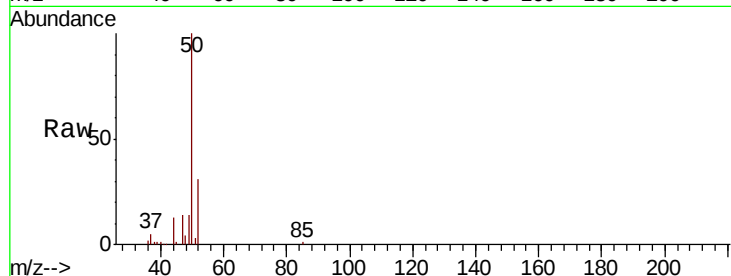
52 30.9 27.6 41.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.84 ug/l

RT: 1.12 min Scan# 59

Delta R.T. -0.01 min

Lab File: VF060097.D

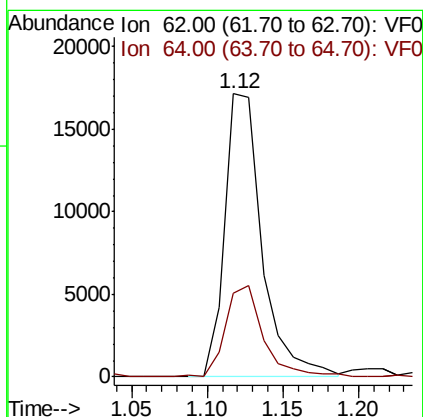
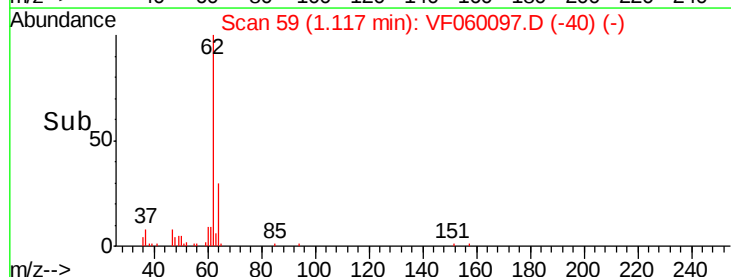
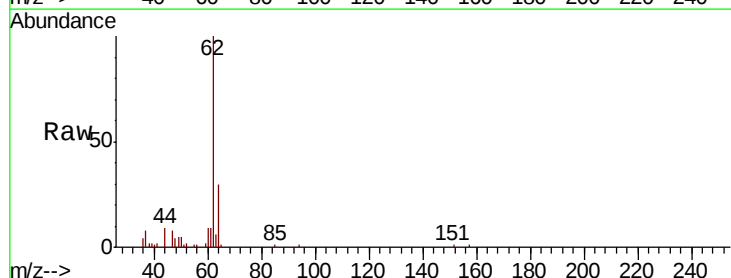
Acq: 24 Aug 2018 13:56

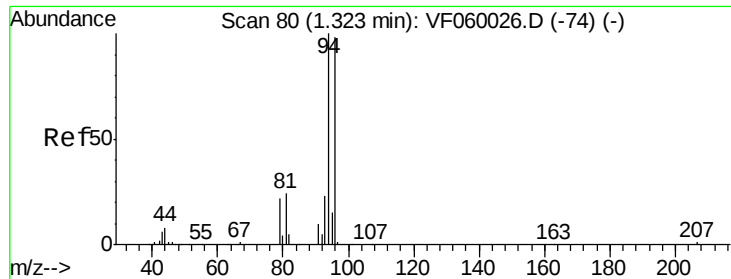
Tgt Ion: 62 Resp: 29407

Ion Ratio Lower Upper

62 100

64 29.8 27.4 41.2





#5

Bromomethane

Concen: 21.94 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 94 Resp: 22452

Ion Ratio Lower Upper

94 100

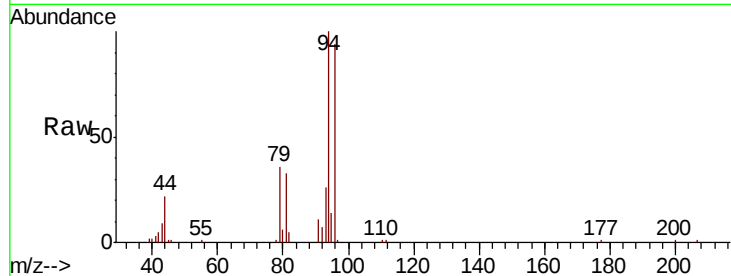
96 93.7 78.6 118.0

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

15000

10000

5000

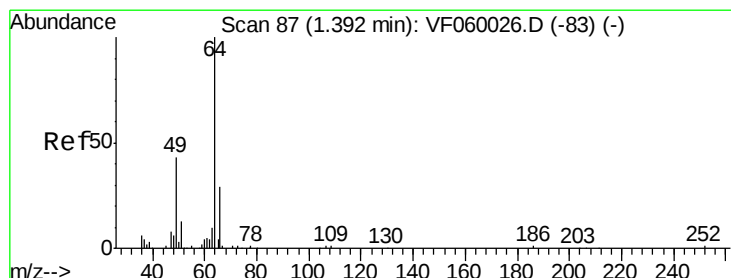
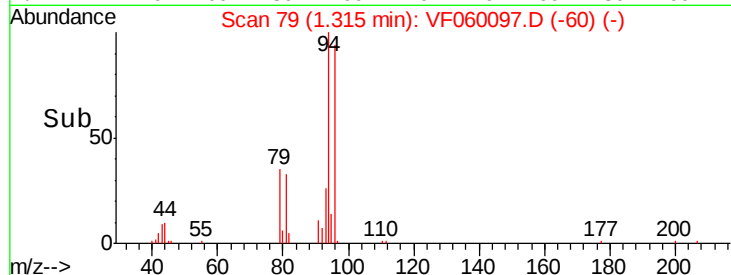
0

1.30

1.31

1.40

Time-->



#6

Chloroethane

Concen: 24.95 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.00 min

Lab File: VF060097.D

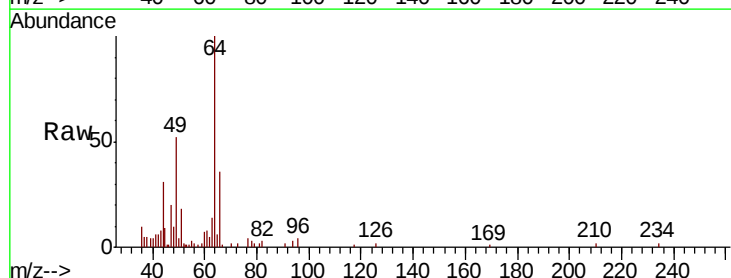
Acq: 24 Aug 2018 13:56

Tgt Ion: 64 Resp: 13244

Ion Ratio Lower Upper

64 100

66 35.6 24.1 36.1



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

8000

6000

4000

2000

0

1.30

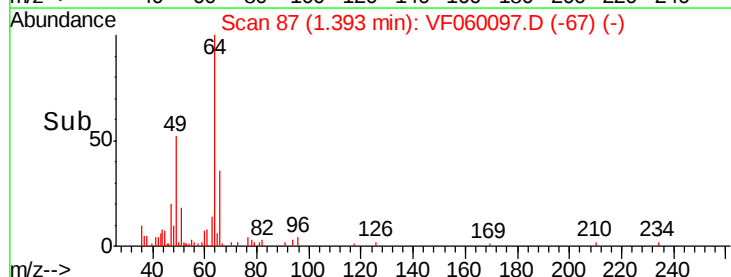
1.35

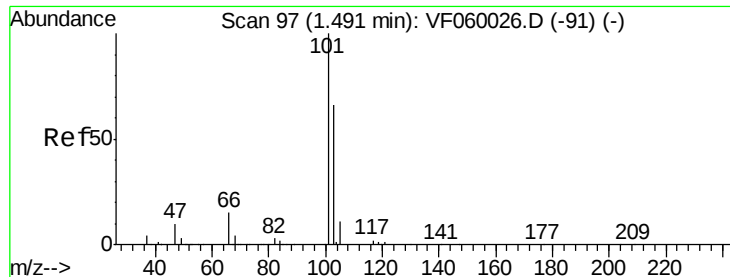
1.40

1.45

1.50

Time-->





#7

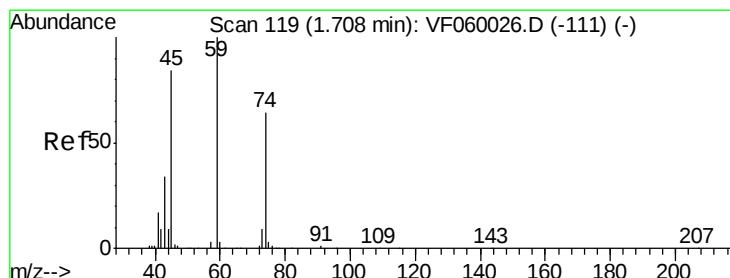
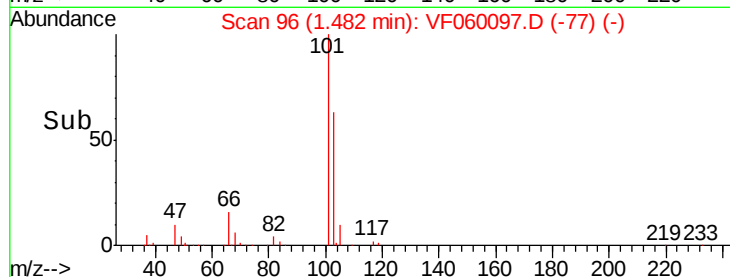
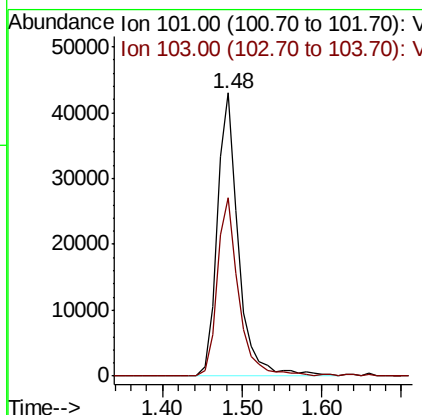
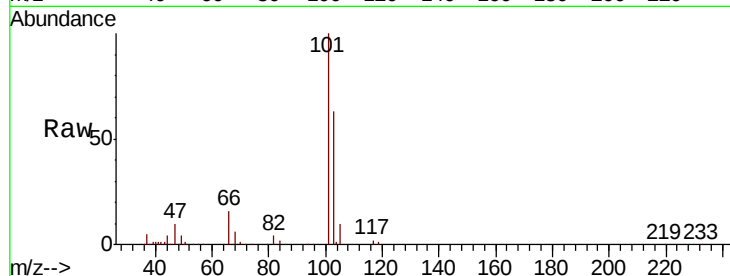
Trichlorofluoromethane
 Concen: 29.67 ug/l
 RT: 1.48 min Scan# 96
 Delta R.T. -0.01 min
 Lab File: VF060097.D
 Acq: 24 Aug 2018 13:56

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 VF0824SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.5	78.7

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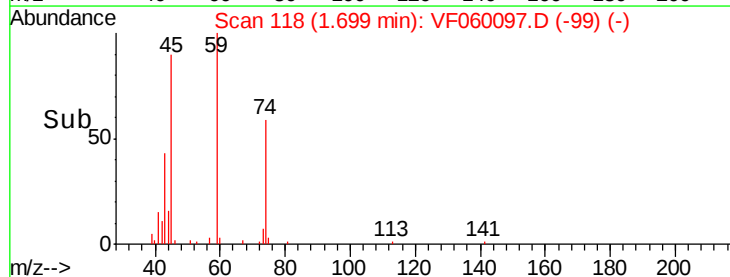
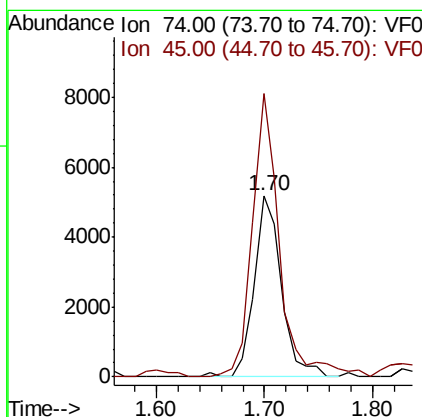
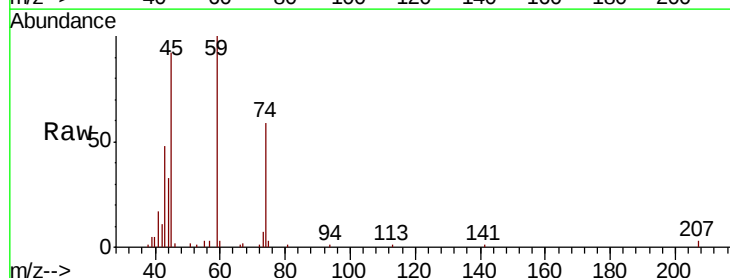
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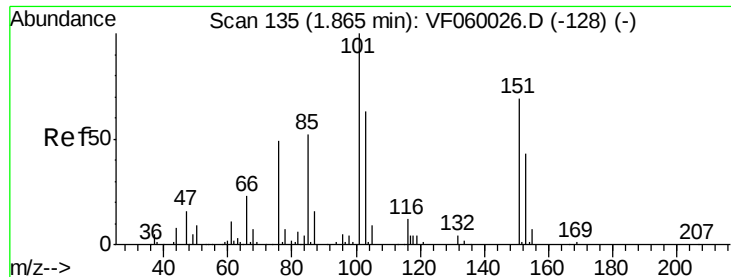


#8

Diethyl Ether
 Concen: 18.70 ug/l
 RT: 1.70 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF060097.D
 Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	156.2	66.0	198.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 26.12 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

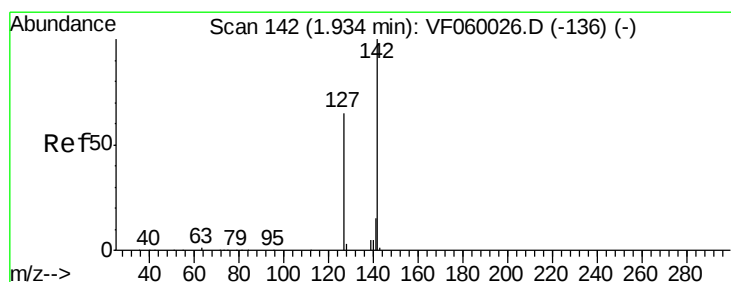
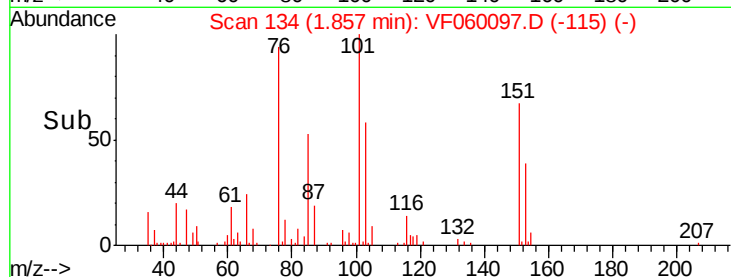
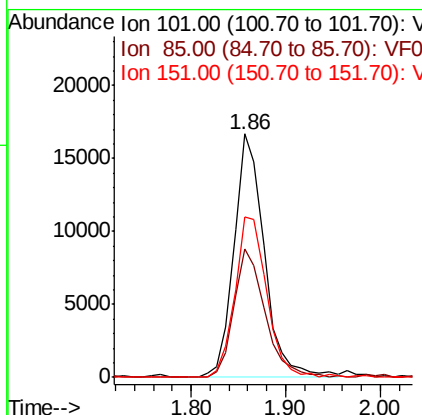
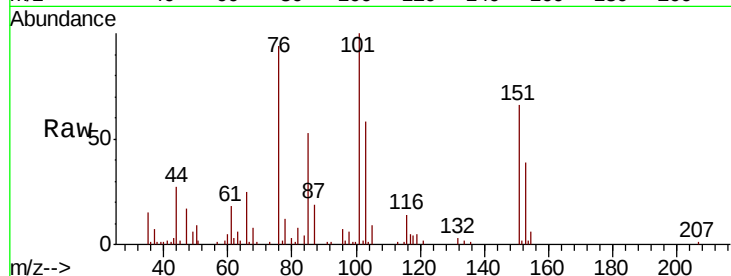
ClientSampleId :

VF0824SBS01

Tot Ion:	101	Resp:	37126
Ion Ratio	Lower	Upper	
101	100		
85	52.6	41.5	62.3
151	66.1	55.2	82.8

Manual Integrations
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#10

Methyl Iodide

Concen: 19.60 ug/l

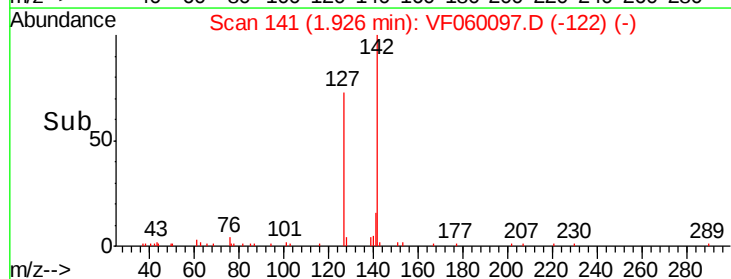
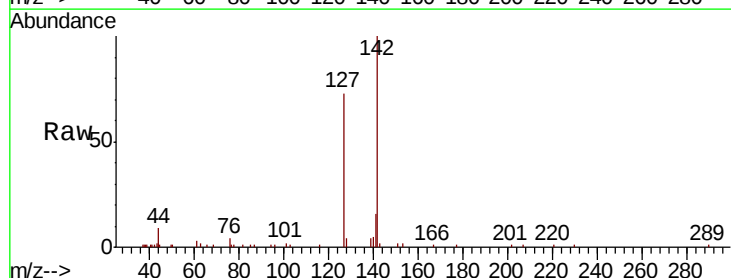
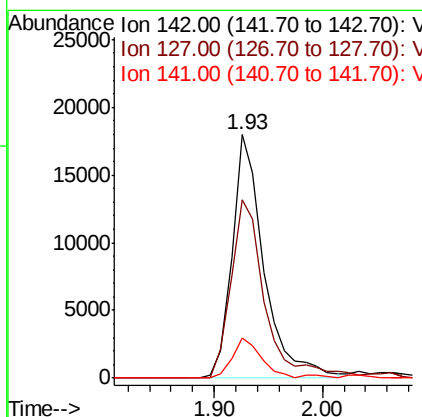
RT: 1.93 min Scan# 141

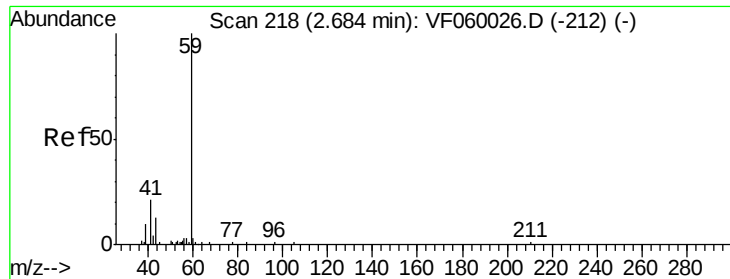
Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Tgt Ion:	142	Resp:	36829
Ion Ratio	Lower	Upper	
142	100		
127	73.4	51.8	77.6
141	16.4	11.9	17.9





#11

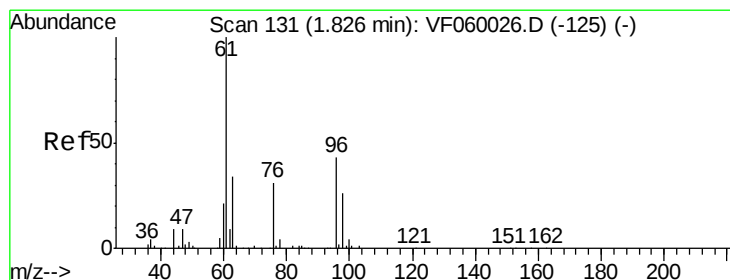
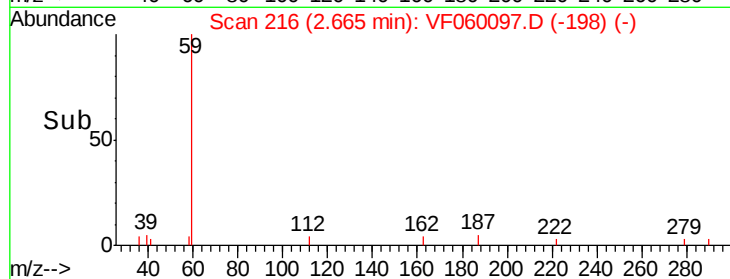
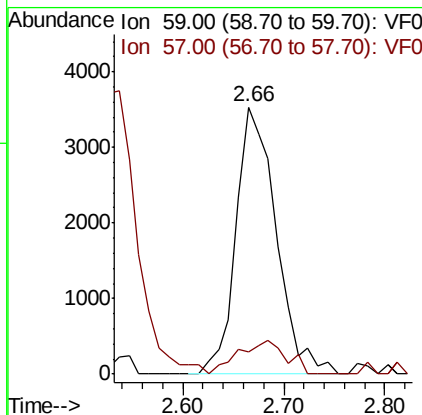
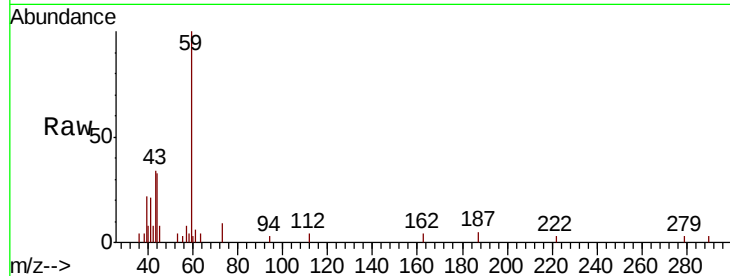
Tert butyl alcohol
 Concen: 81.50 ug/l
 RT: 2.66 min Scan# 216
 Delta R.T. -0.02 min
 Lab File: VF060097.D
 Acq: 24 Aug 2018 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.2	5.4	8.2#

Manual Integrations
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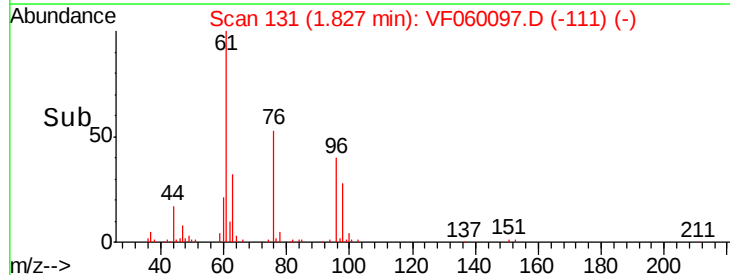
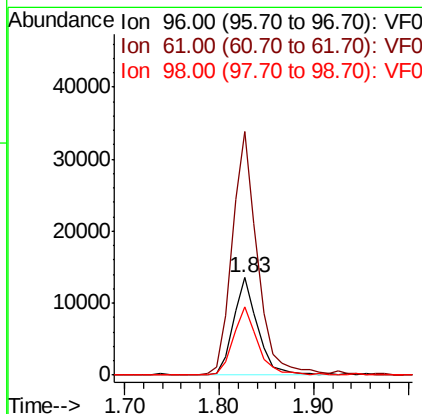
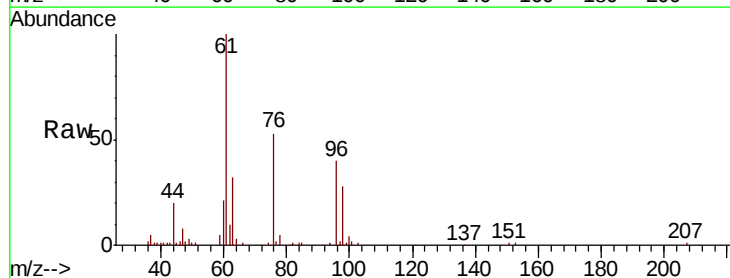
apatel
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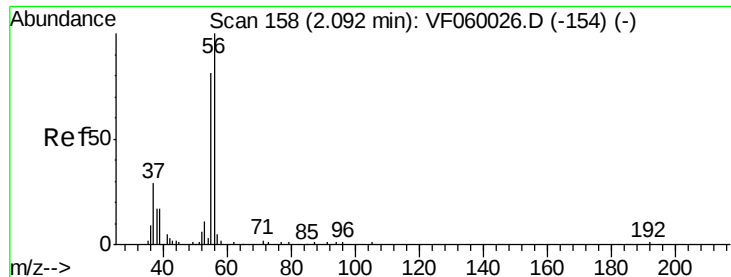


#12

1,1-Dichloroethene
 Concen: 23.24 ug/l
 RT: 1.83 min Scan# 131
 Delta R.T. 0.00 min
 Lab File: VF060097.D
 Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	250.4	185.0	277.6
98	70.2	47.8	71.8





#13

Acrolein

Concen: 64.13 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 56 Resp: 3096

Ion Ratio Lower Upper

56 100

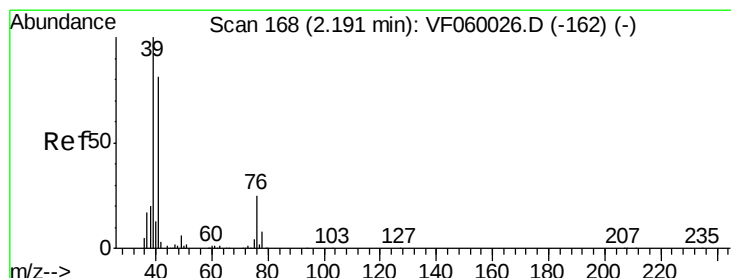
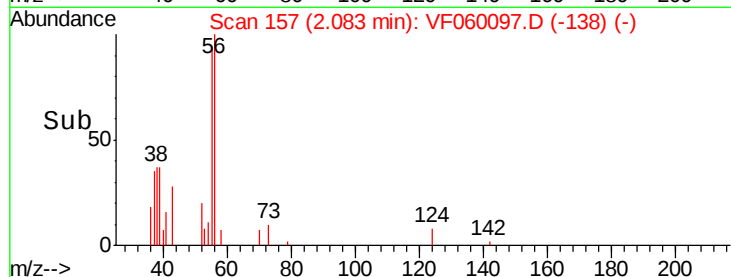
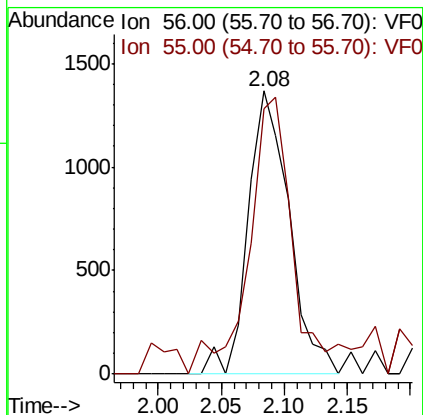
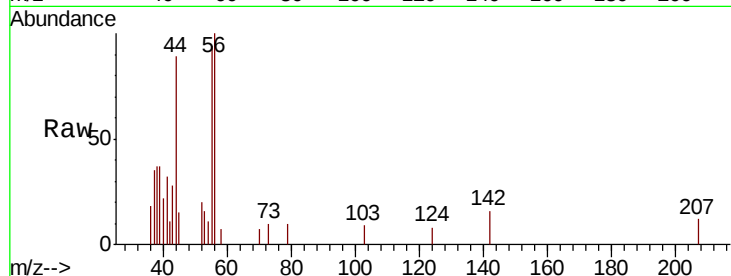
55 93.6 65.6 98.4

Manual Integrations

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#14

Allyl chloride

Concen: 22.13 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

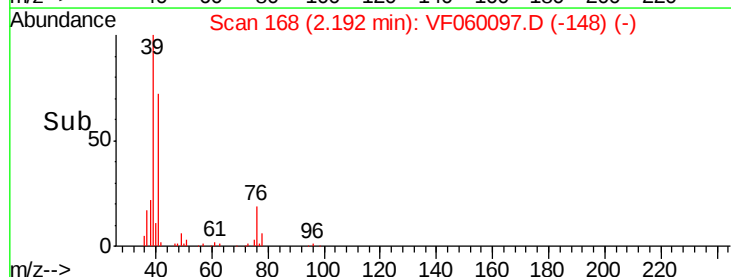
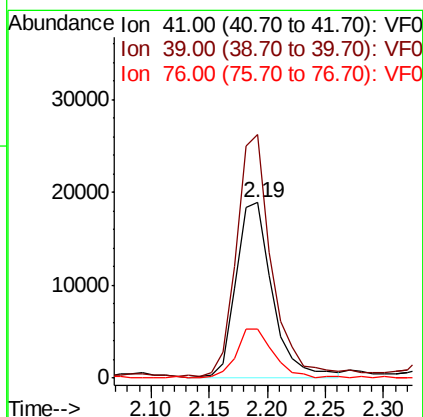
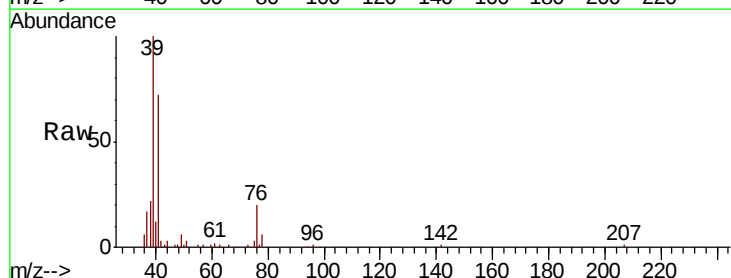
Tgt Ion: 41 Resp: 41162

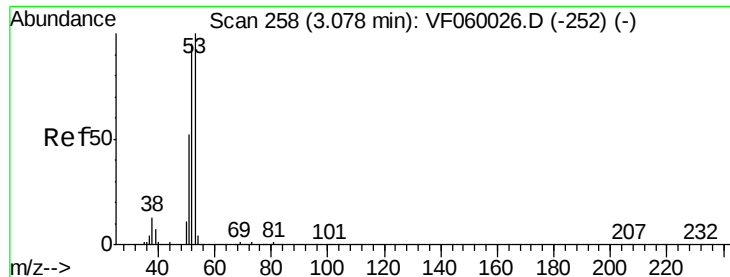
Ion Ratio Lower Upper

41 100

39 138.8 99.3 148.9

76 27.9 24.3 36.5





#15

Acrylonitrile

Concen: 90.99 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

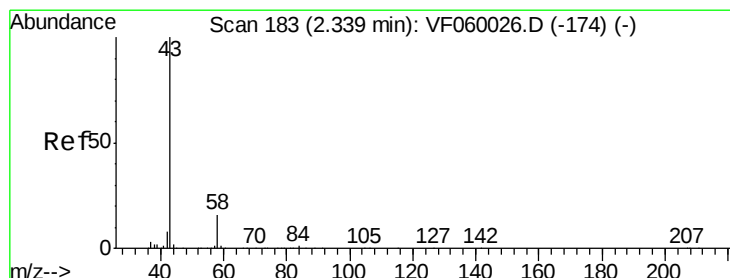
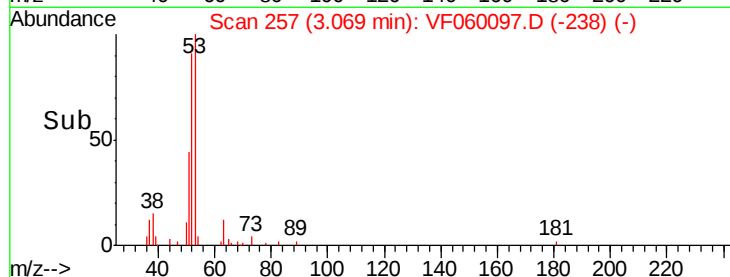
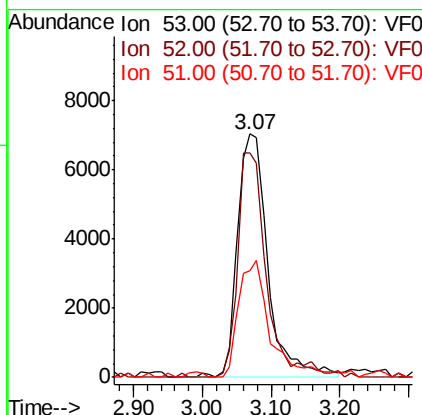
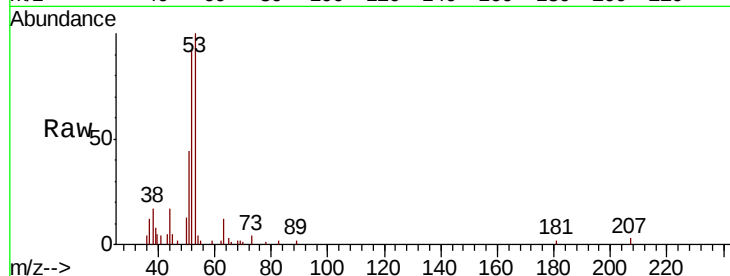
ClientSampleId :

VF0824SBS01

Tot Ion:	53	Resp:	21536
Ion	Ratio	Lower	Upper
53	100		
52	92.3	75.8	113.8
51	43.7	42.1	63.1

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#16

Acetone

Concen: 113.89 ug/l

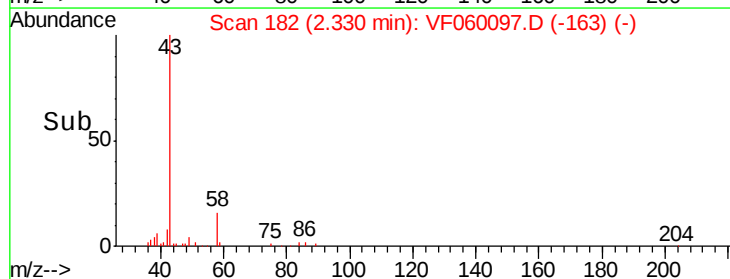
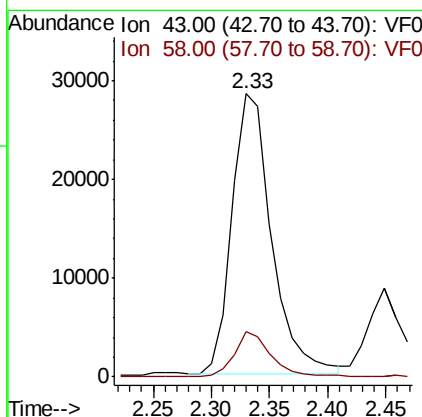
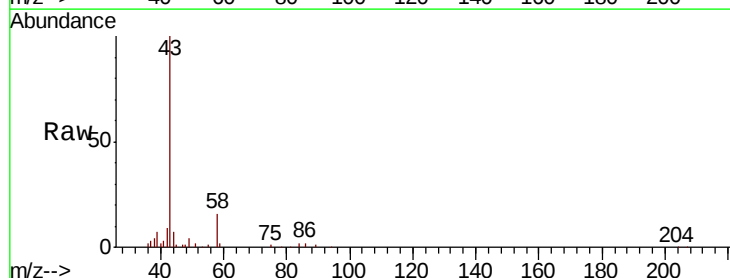
RT: 2.33 min Scan# 182

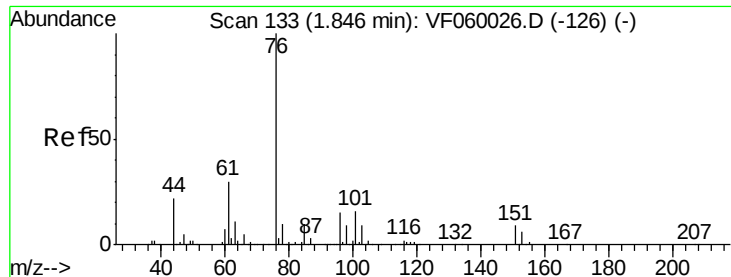
Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Tgt Ion:	43	Resp:	67483
Ion	Ratio	Lower	Upper
43	100		
58	15.8	12.6	19.0





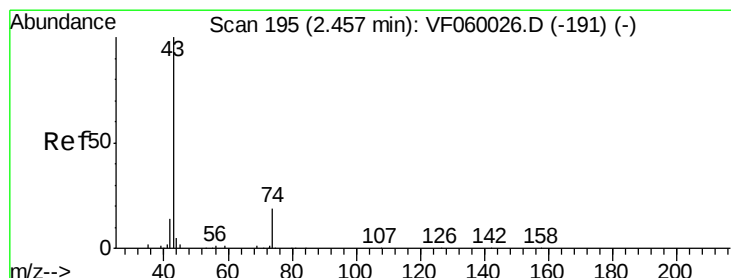
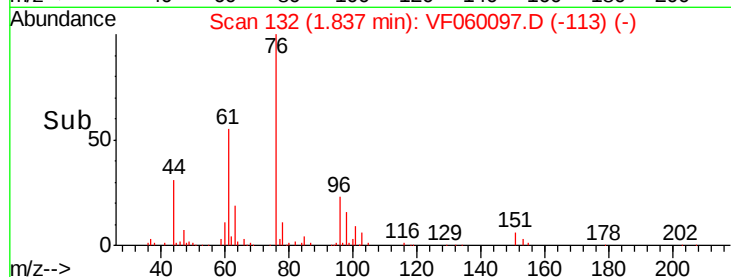
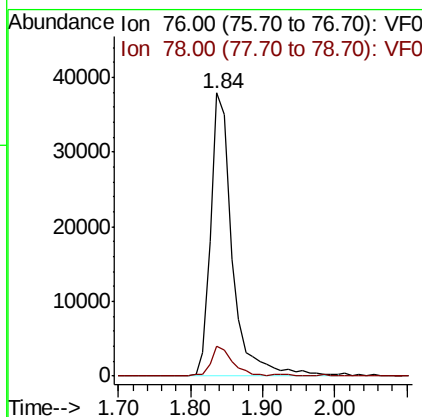
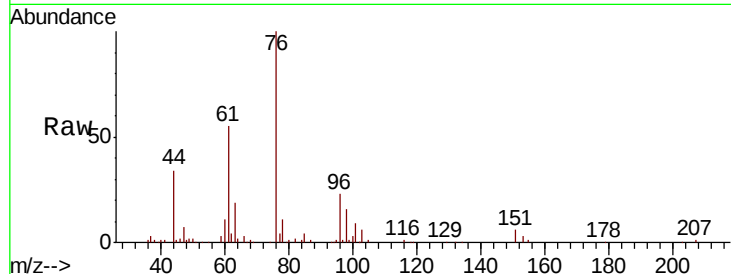
#17
Carbon Disulfide
Concen: 23.93 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.6	8.4	12.6

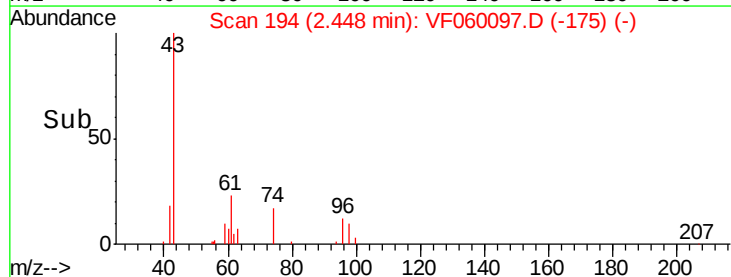
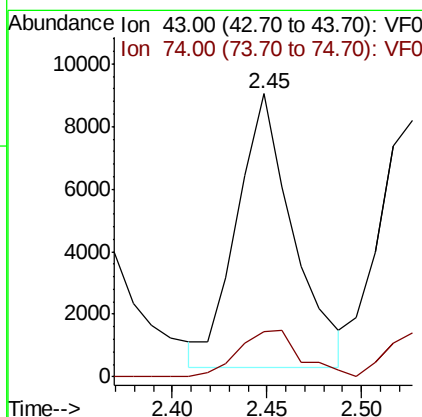
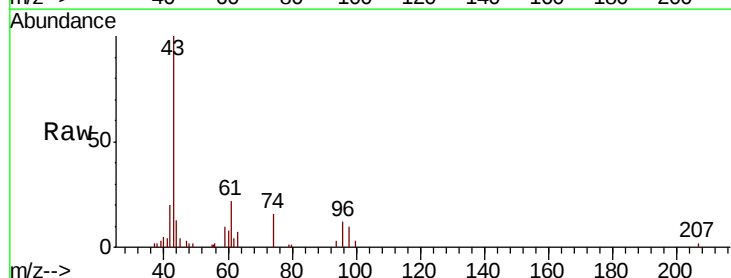
Manual Integrations
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#18
Methyl Acetate
Concen: 15.09 ug/l
RT: 2.45 min Scan# 194
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.1	13.8	20.6





#19

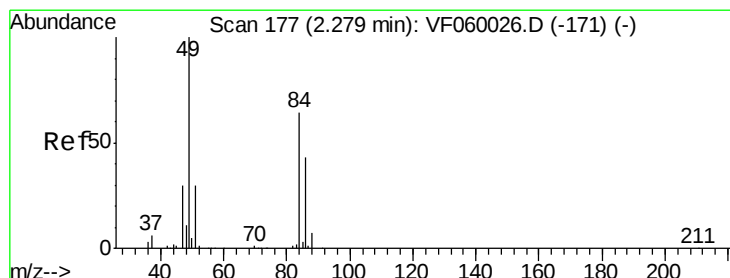
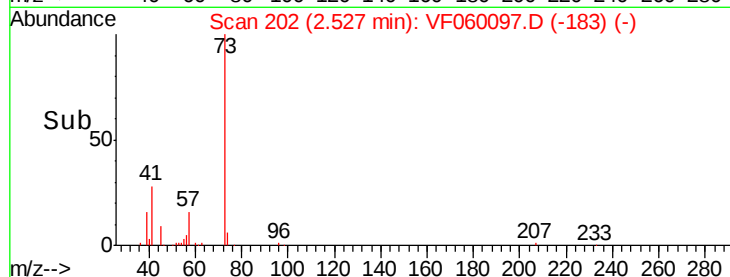
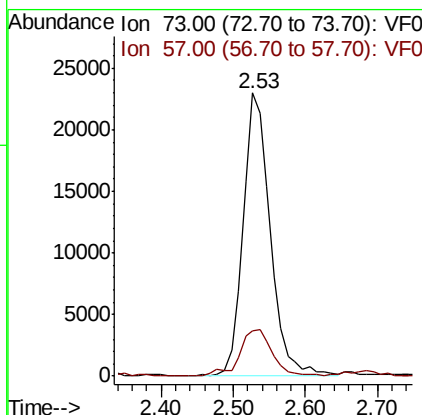
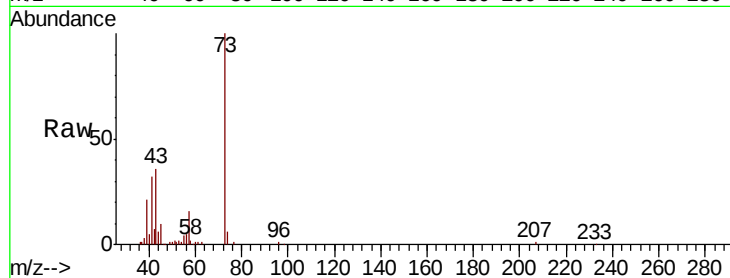
Methyl tert-butyl Ether
 Concen: 18.10 ug/l
 RT: 2.53 min Scan# 202
 Delta R.T. -0.01 min
 Lab File: VF060097.D
 Acq: 24 Aug 2018 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.2	13.7	20.5

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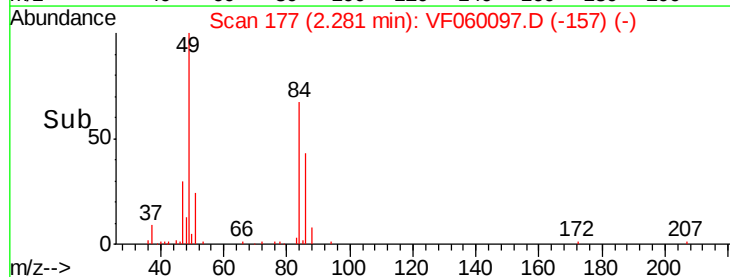
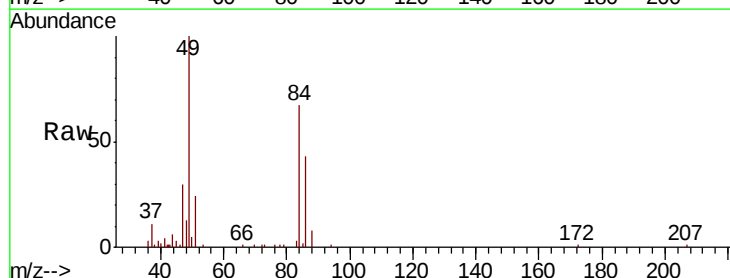
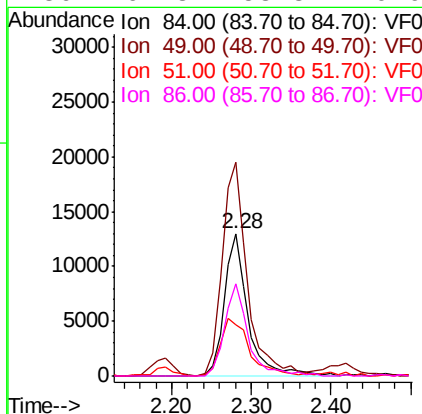
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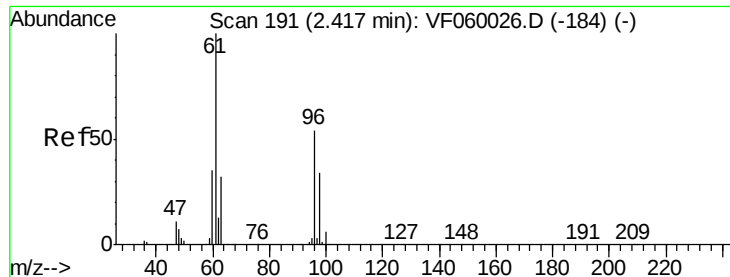


#20

Methylene Chloride
 Concen: 20.18 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF060097.D
 Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.6	125.4	188.0
51	35.9	38.3	57.5#
86	64.3	53.3	79.9





#21

trans-1,2-Dichloroethene

Concen: 21.51 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

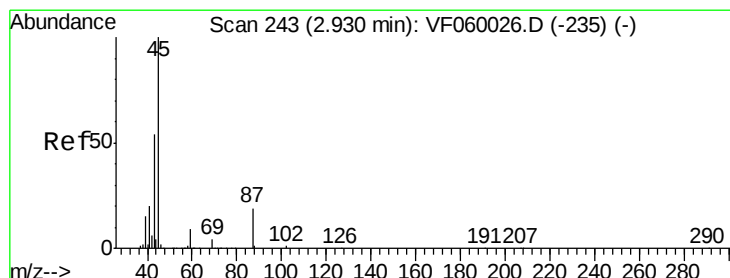
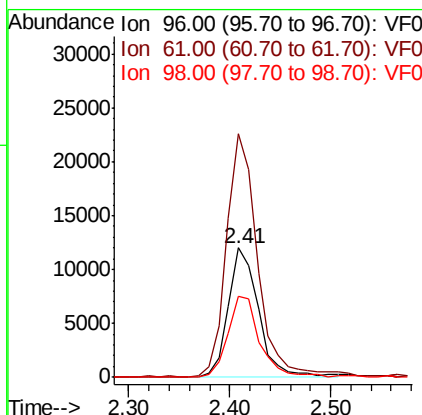
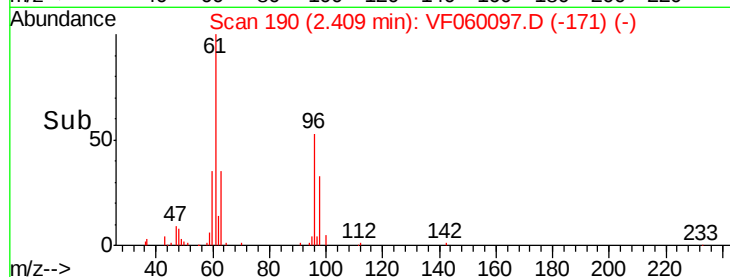
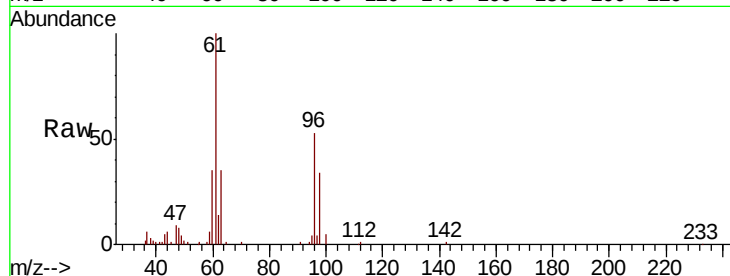
ClientSampleId :

VF0824SBS01

Tot Ion:	96	Resp:	25201
Ion	Ratio	Lower	Upper
96	100		
61	187.8	147.4	221.0
98	63.0	49.8	74.6

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#22

Diisopropyl ether

Concen: 18.42 ug/l

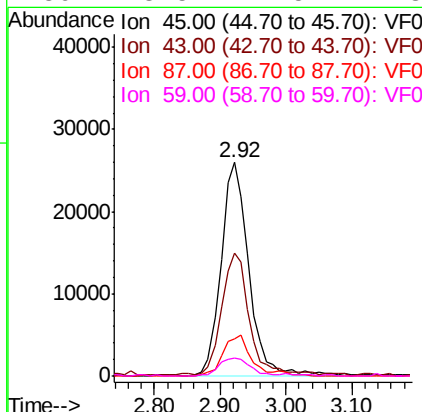
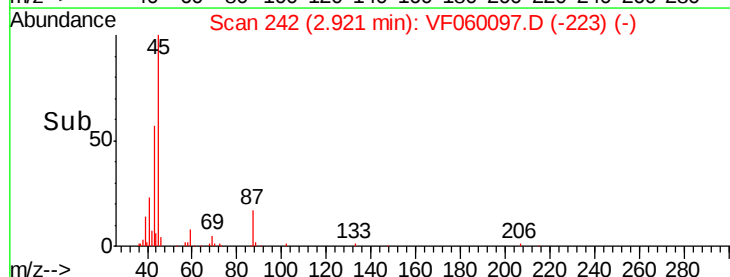
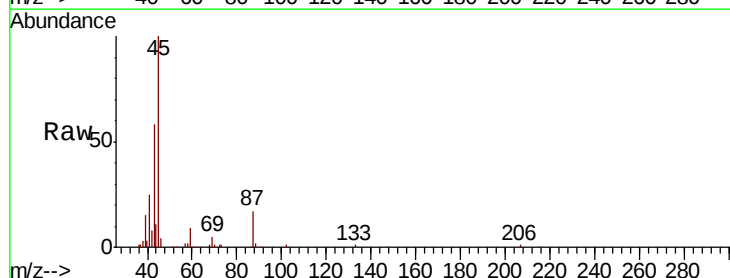
RT: 2.92 min Scan# 242

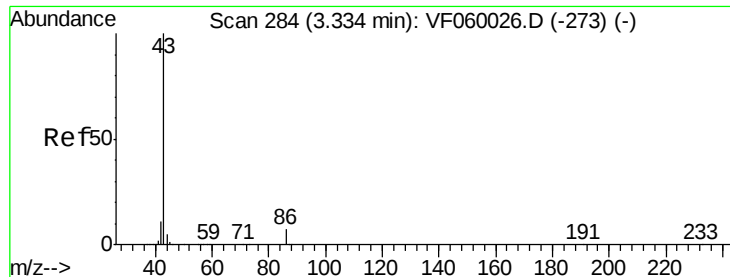
Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Tgt Ion:	45	Resp:	76724
Ion	Ratio	Lower	Upper
45	100		
43	57.5	43.4	65.2
87	17.4	15.4	23.2
59	8.5	7.5	11.3





#23

Vinyl Acetate

Concen: 100.57 ug/l

RT: 3.33 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 43 Resp: 221891

Ion Ratio Lower Upper

43 100

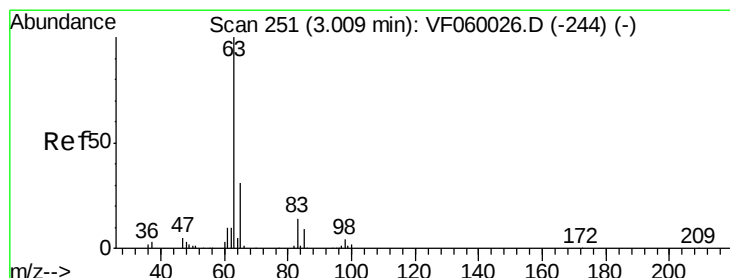
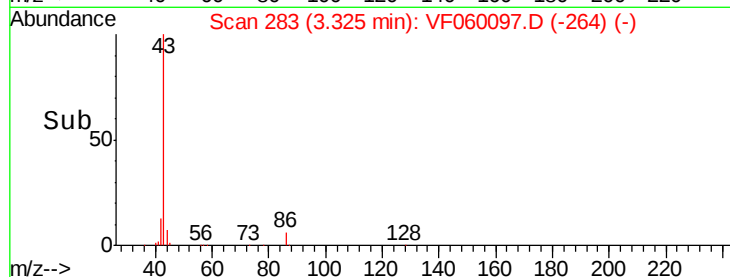
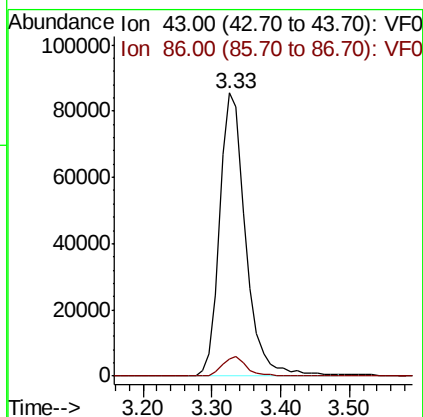
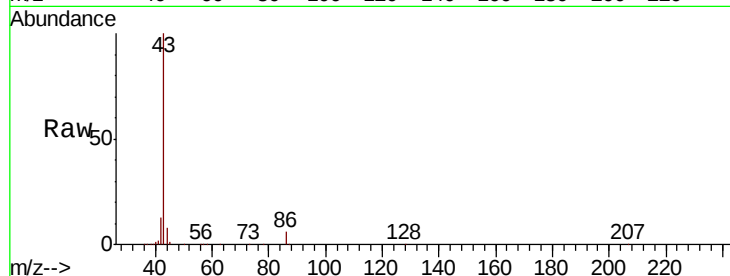
86 6.0 5.6 8.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 23.16 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

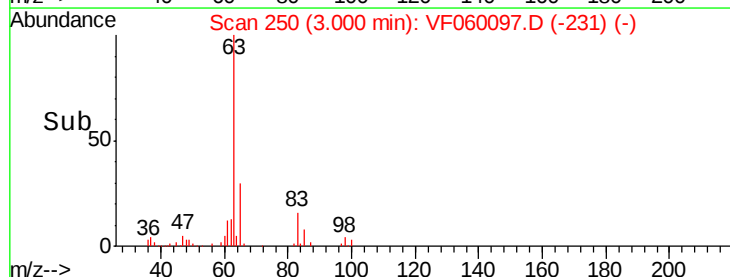
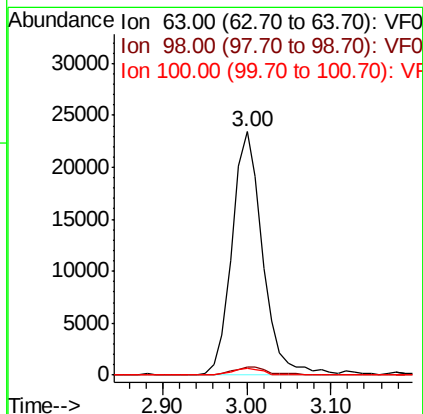
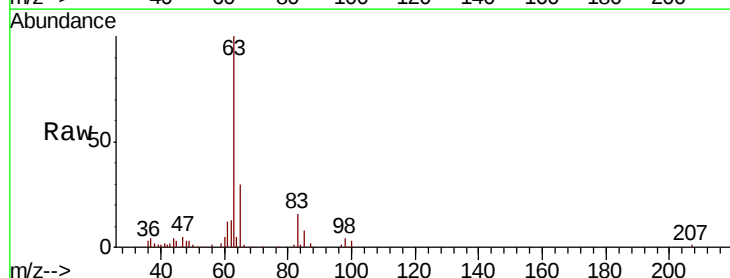
Tgt Ion: 63 Resp: 59572

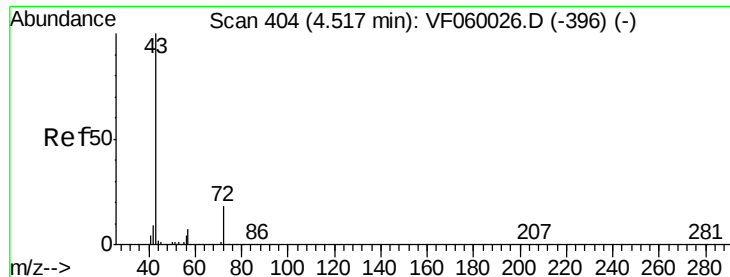
Ion Ratio Lower Upper

63 100

98 3.5 2.1 6.5

100 3.0 1.1 3.3





#25

2-Butanone

Concen: 108.15 ug/l

RT: 4.50 min Scan# 402

Delta R.T. -0.02 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 43 Resp: 83239

Ion Ratio Lower Upper

43 100

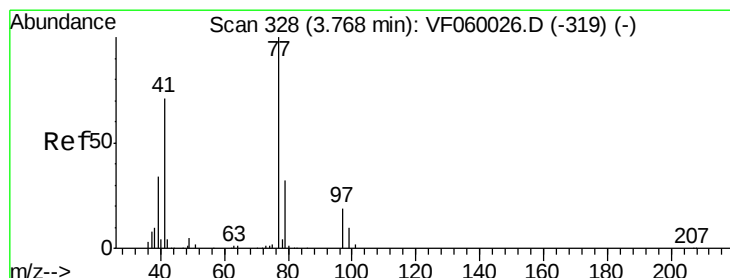
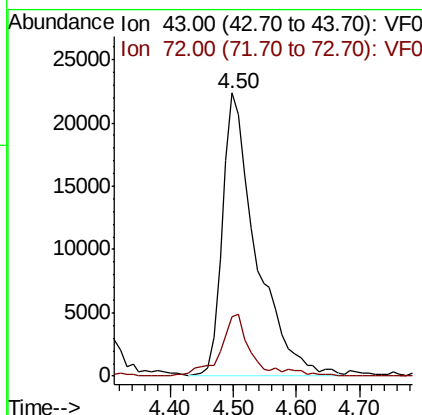
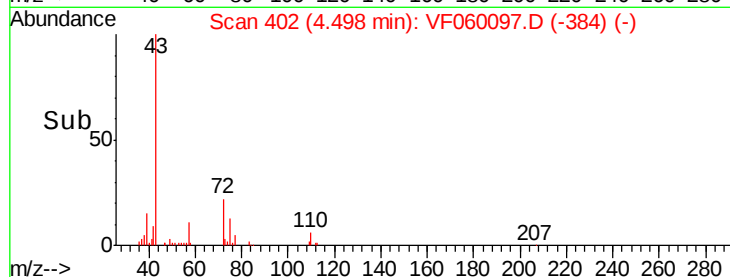
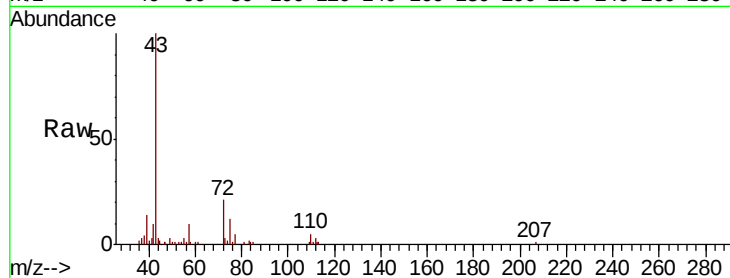
72 20.8 15.0 22.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 24.09 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060097.D

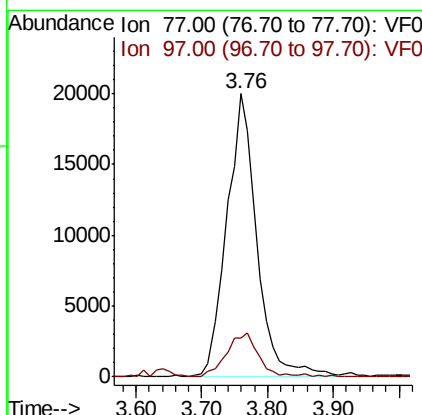
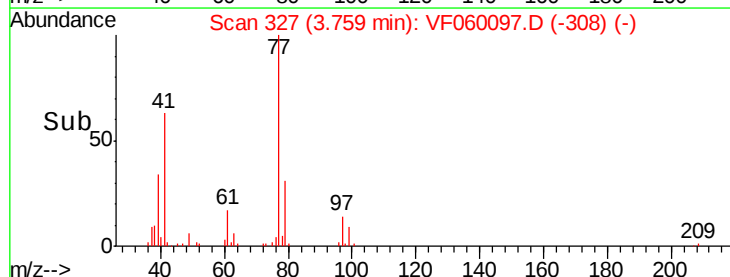
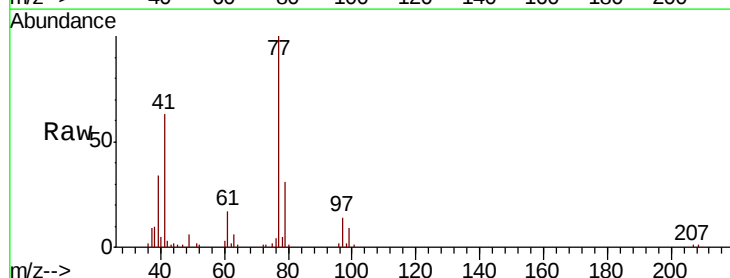
Acq: 24 Aug 2018 13:56

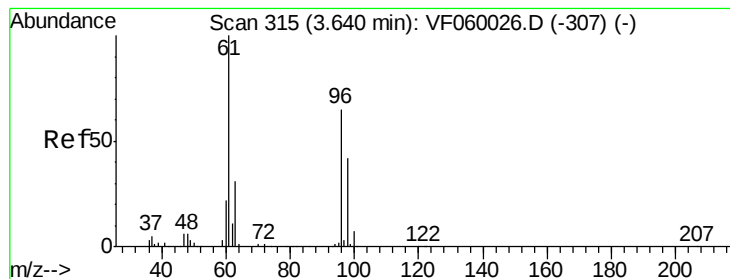
Tgt Ion: 77 Resp: 64114

Ion Ratio Lower Upper

77 100

97 13.6 9.7 29.1





#27

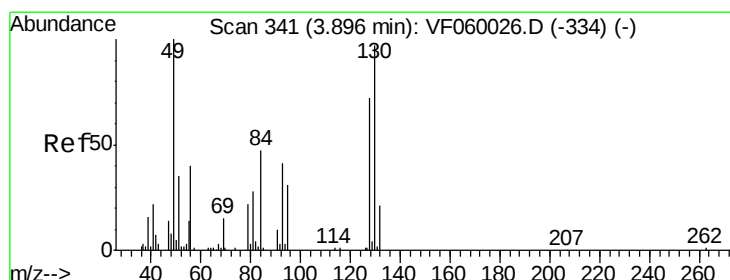
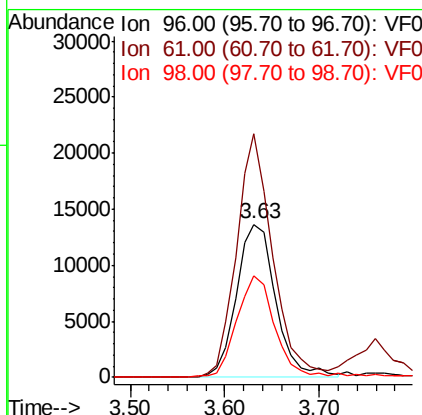
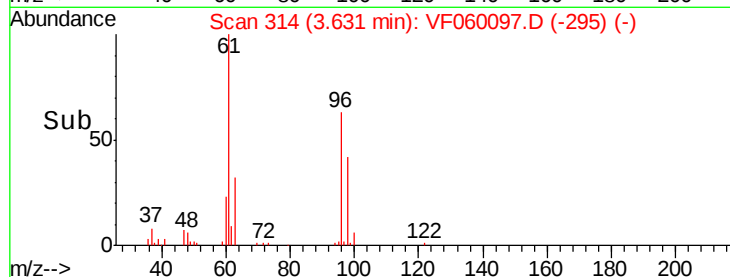
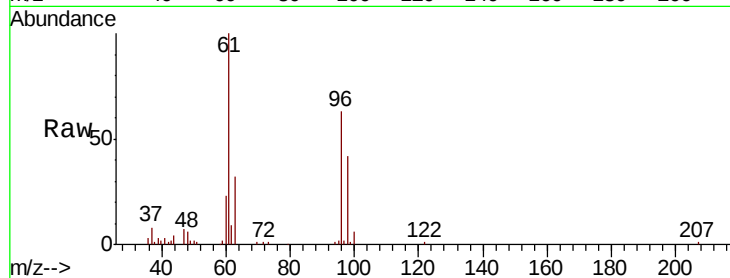
cis-1,2-Dichloroethene
Concen: 23.75 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	158.7	0.0	307.6
98	66.0	0.0	128.4

Manual Integrations
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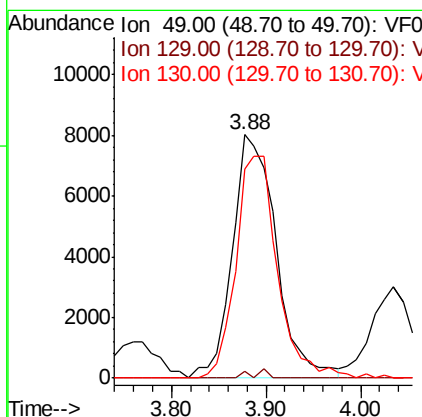
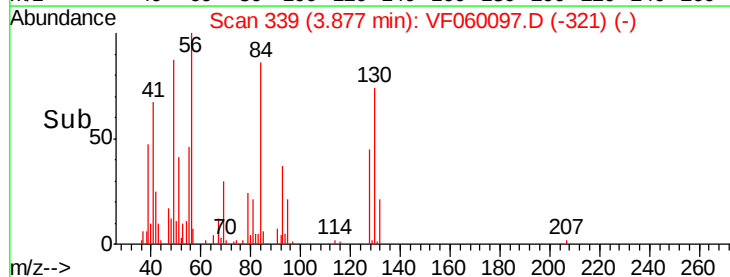
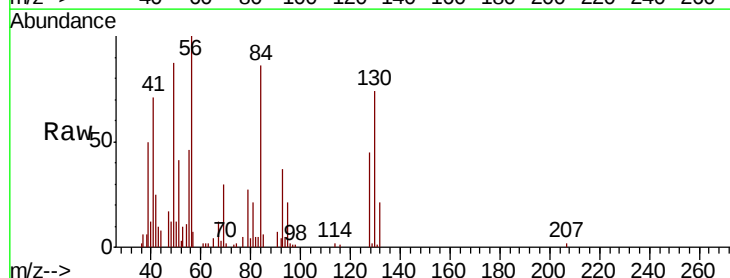
apatel
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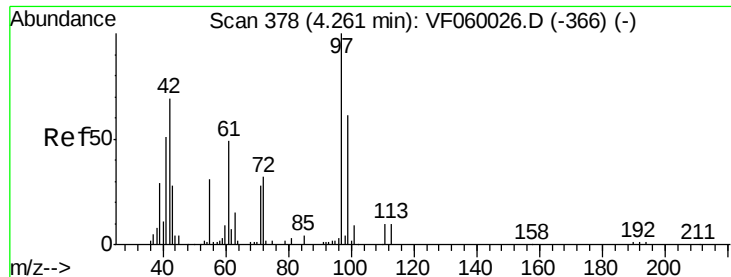


#28

Bromochloromethane
Concen: 23.68 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.02 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	7.4
130	87.3	78.0	117.0





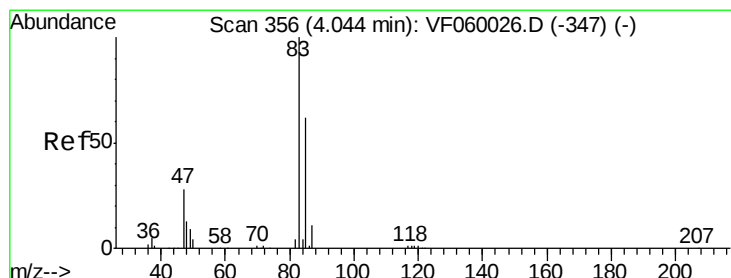
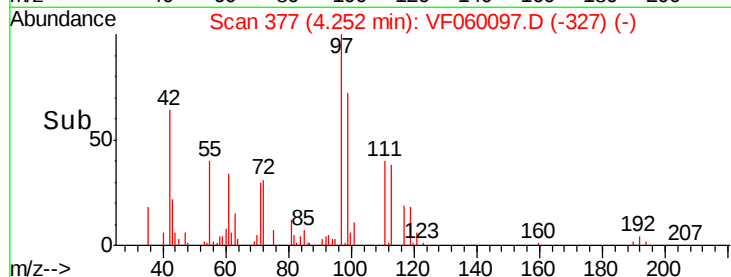
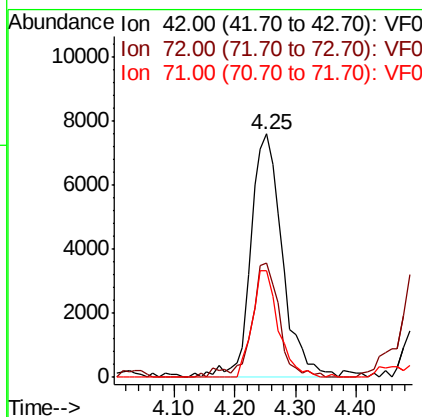
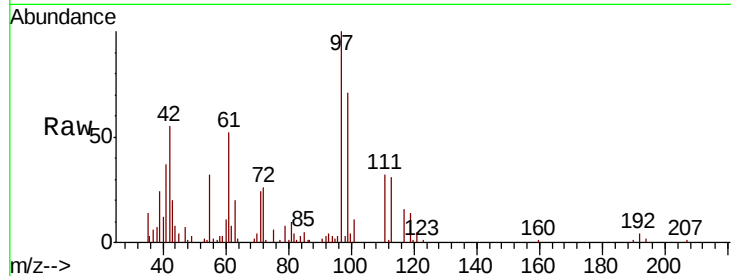
#29
Tetrahydrofuran
Concen: 95.25 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	27678		
72	39.4		31.4	47.2
71	36.4		29.7	44.5

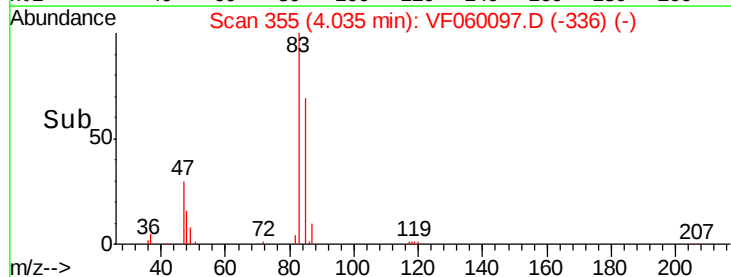
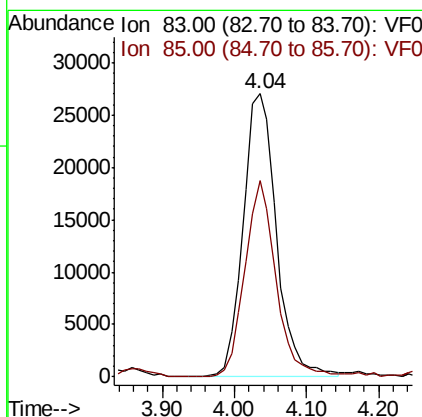
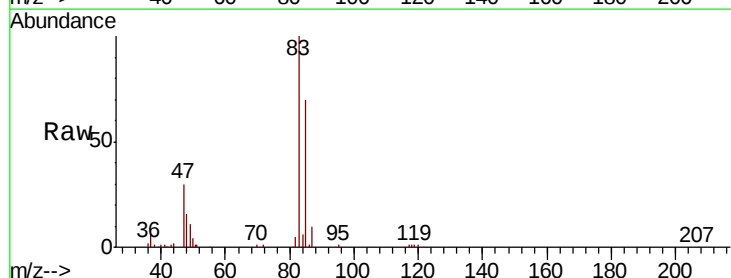
Manual Integrations
APPROVED

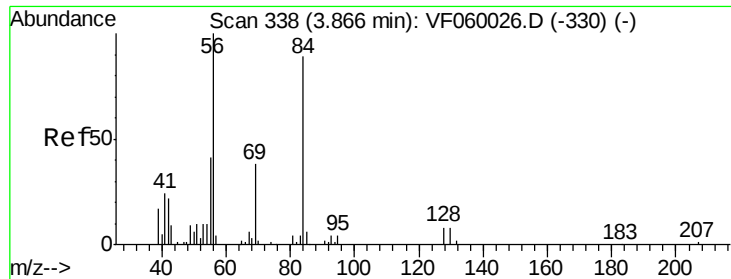
apatel
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#30
Chloroform
Concen: 24.22 ug/l
RT: 4.04 min Scan# 355
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	87466		
85	69.6		49.5	74.3





#31

Cyclohexane

Concen: 24.85 ug/l

RT: 3.86 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

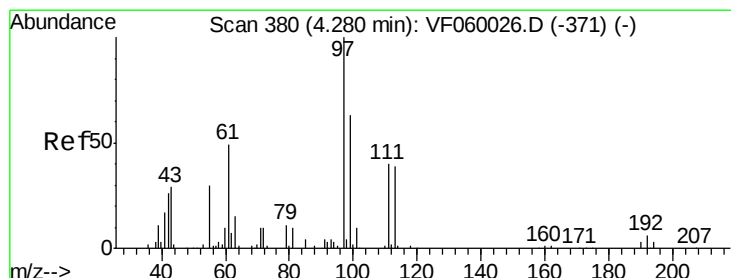
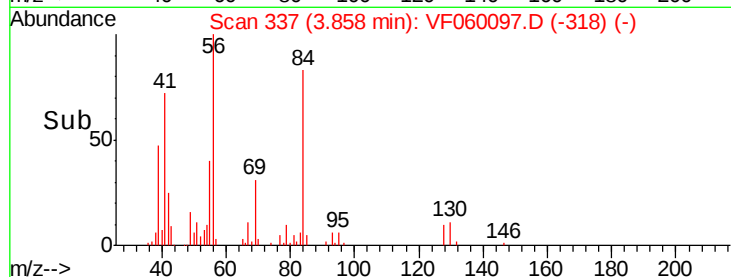
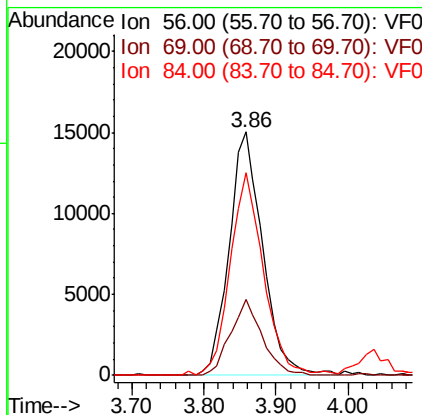
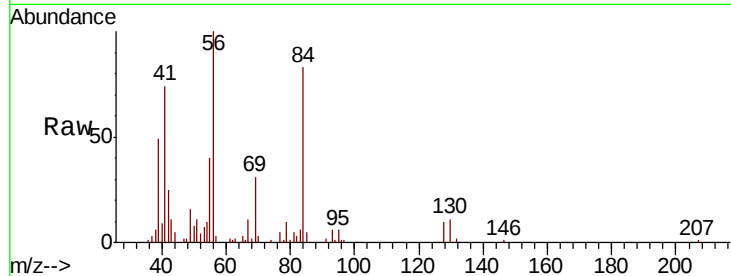
ClientSampleId :

VF0824SBS01

Tot Ion:	56	Resp:	48713
Ion Ratio	Lower	Upper	
56	100		
69	31.2	30.4	45.6
84	83.2	71.4	107.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 25.66 ug/l

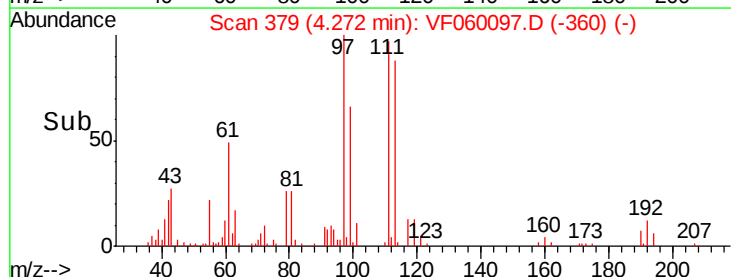
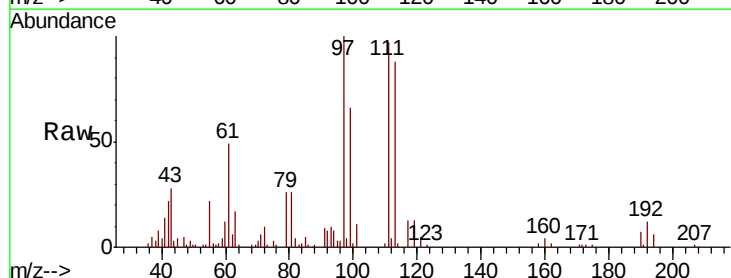
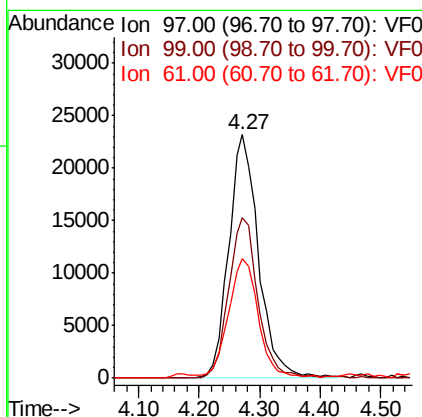
RT: 4.27 min Scan# 379

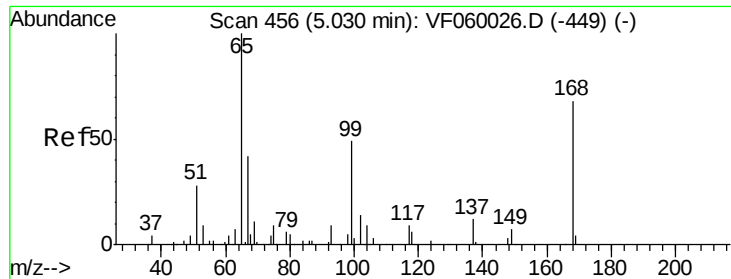
Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Tgt Ion:	97	Resp:	79339
Ion Ratio	Lower	Upper	
97	100		
99	65.9	50.3	75.5
61	48.8	40.3	60.5





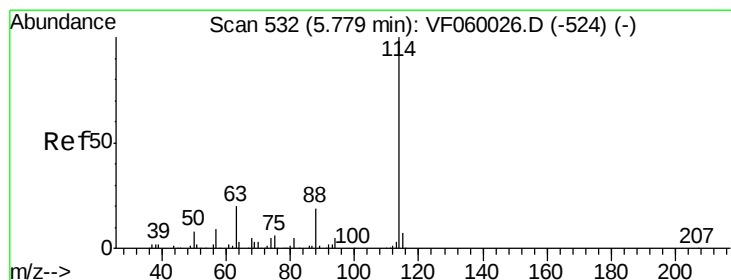
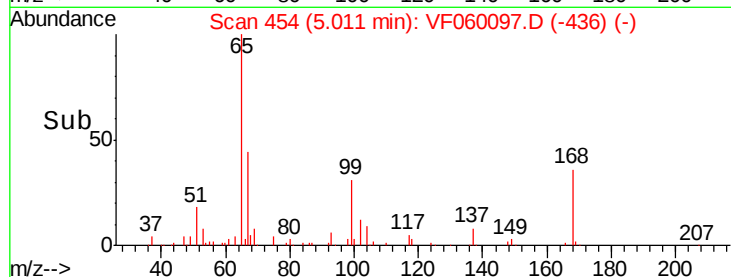
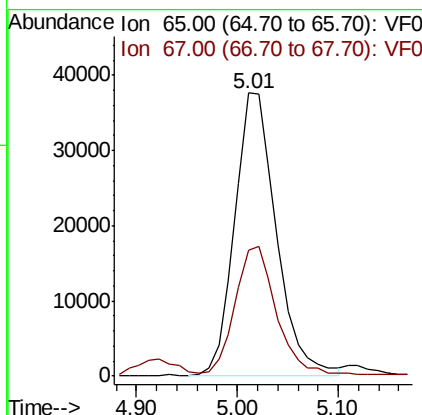
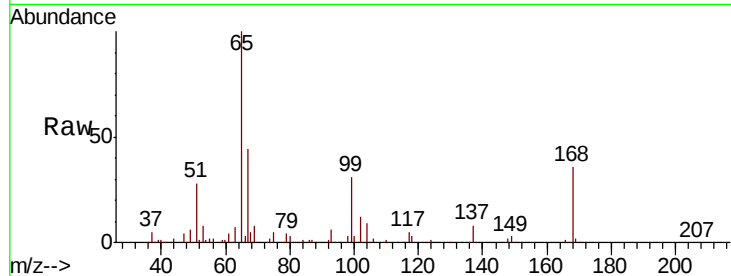
#33
 1,2-Dichloroethane-d4
 Concen: 48.25 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. -0.02 min
 Lab File: VF060097.D
 Acq: 24 Aug 2018 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	108779		
67	44.4	0.0	92.0	

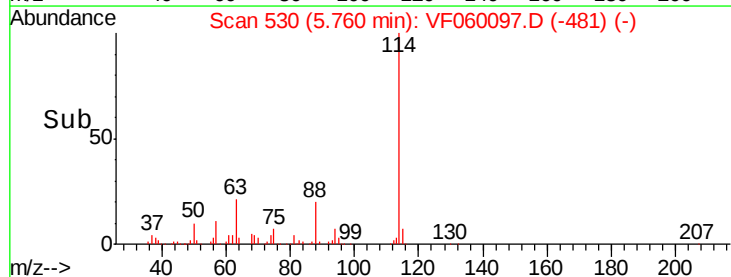
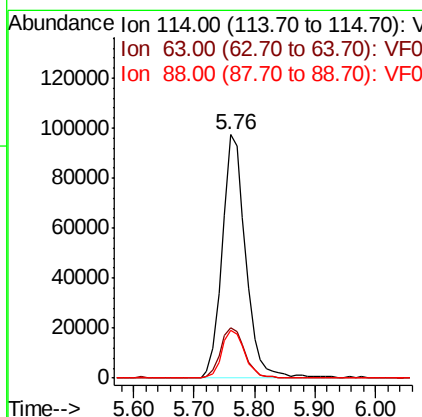
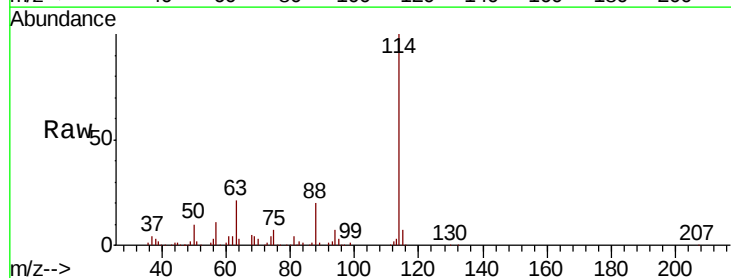
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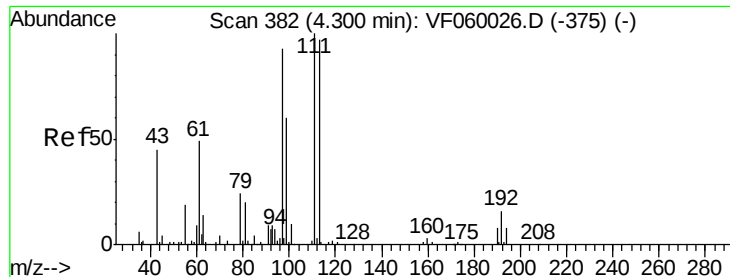
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VF060097.D
 Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	261966		
63	20.6	0.0	40.4	
88	19.8	0.0	38.6	





#35

Dibromofluoromethane

Concen: 50.81 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

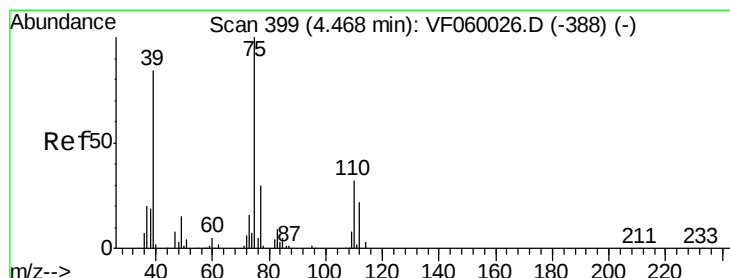
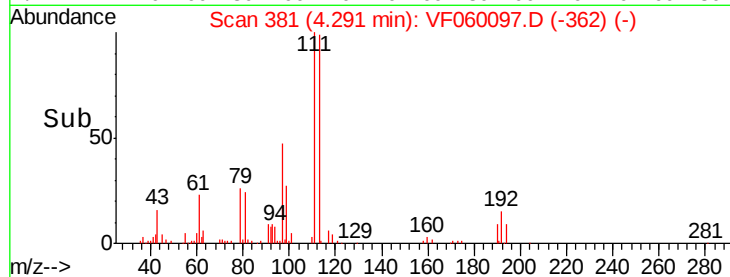
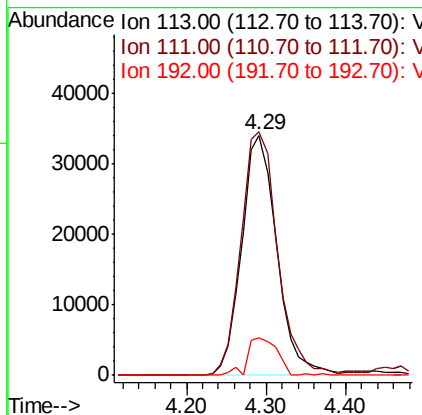
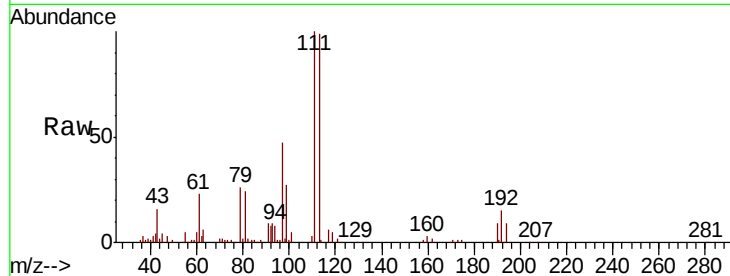
ClientSampleId :

VF0824SBS01

Tot Ion:	113	Resp:	104527
Ion Ratio	Lower	Upper	
113	100		
111	101.3	82.7	124.1
192	15.4	13.0	19.4

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.27 ug/l

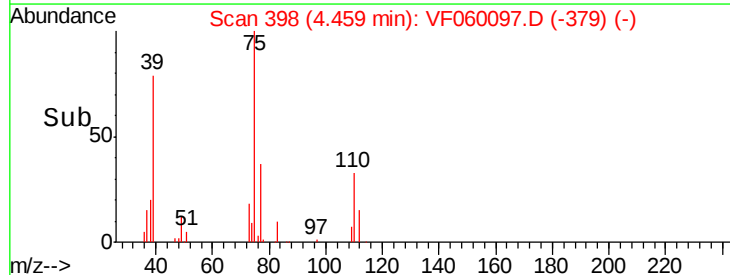
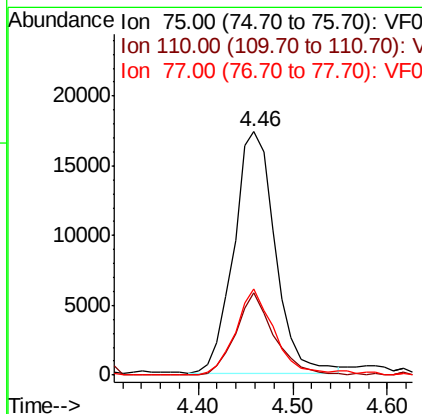
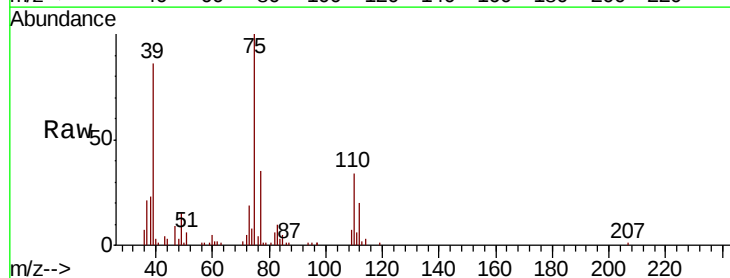
RT: 4.46 min Scan# 398

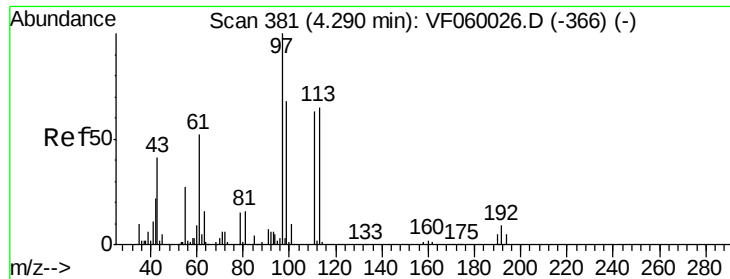
Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Tgt Ion:	75	Resp:	52362
Ion Ratio	Lower	Upper	
75	100		
110	33.7	16.0	47.9
77	35.4	24.1	36.1





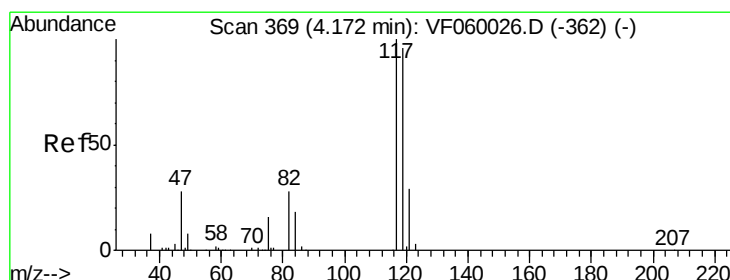
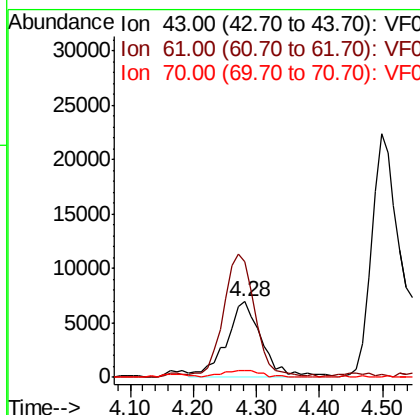
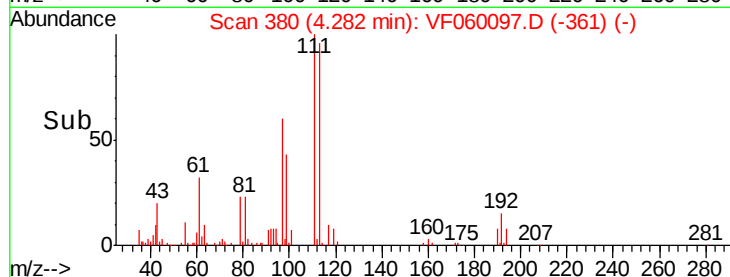
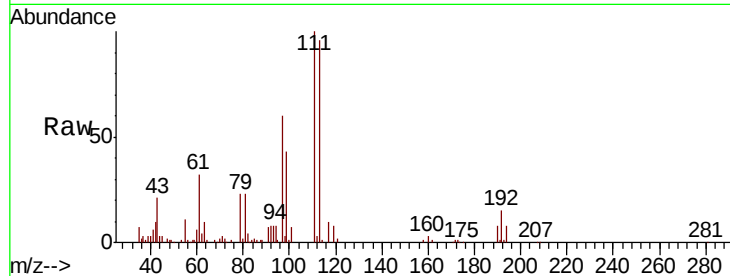
#37
Ethyl Acetate
Concen: 18.55 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	153.5	101.5	152.3#
70	9.8	6.4	9.6#

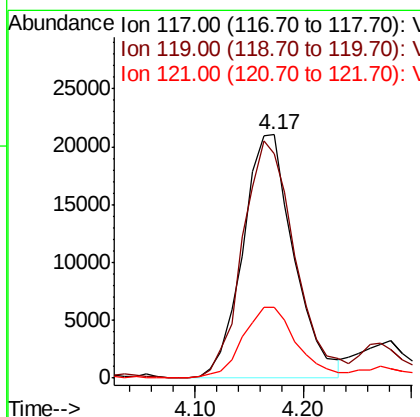
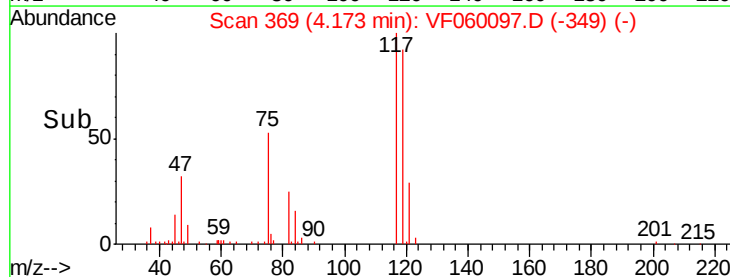
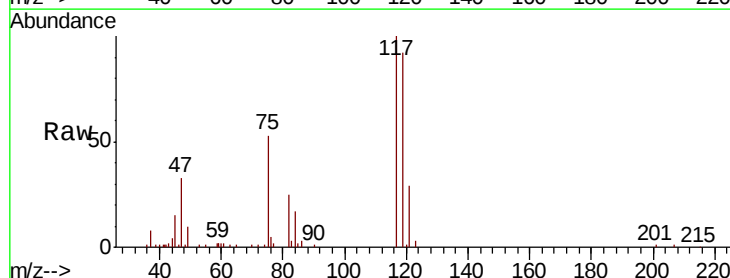
Manual Integrations
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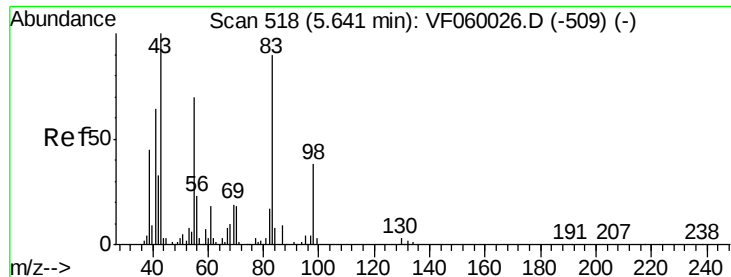
apatel
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#38
Carbon Tetrachloride
Concen: 24.33 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.0	76.5	114.7
121	29.1	23.0	34.6





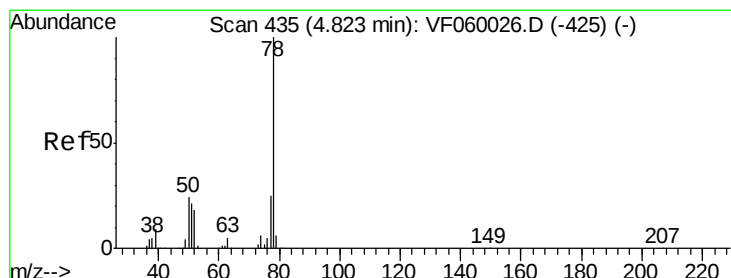
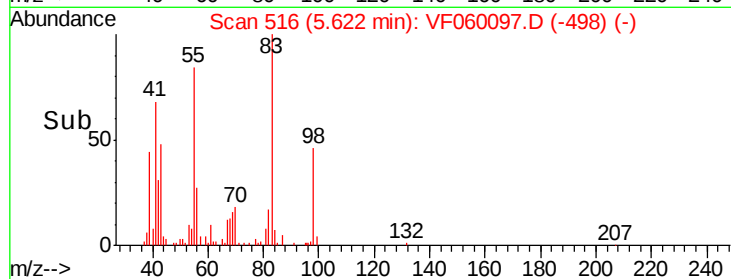
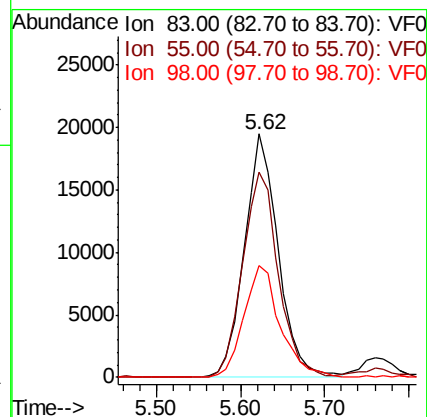
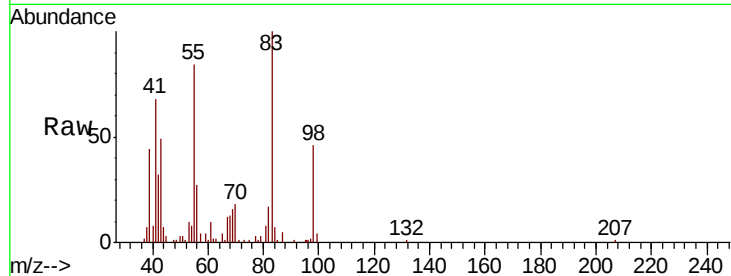
#39
Methvlcvclohexane
Concen: 23.73 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.02 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.5	62.7	94.1
98	45.9	33.8	50.8

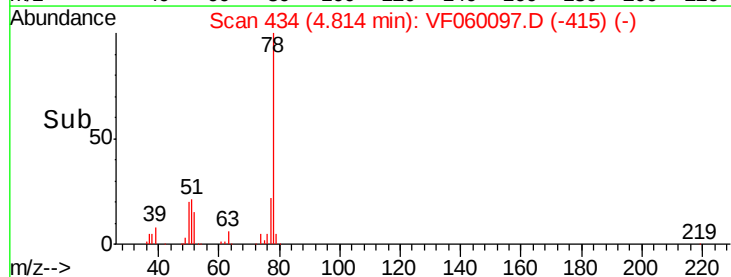
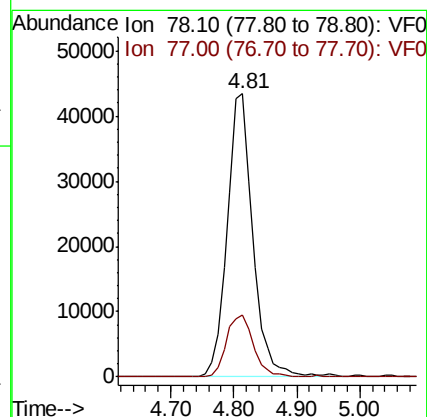
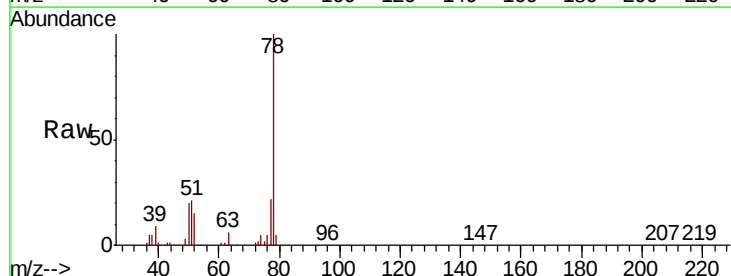
Manual Integrations
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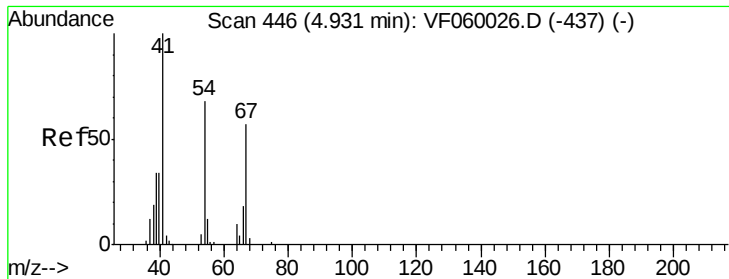
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#40
Benzene
Concen: 22.78 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.7	19.8	29.6





#41

Methacrylonitrile

Concen: 17.86 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.02 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

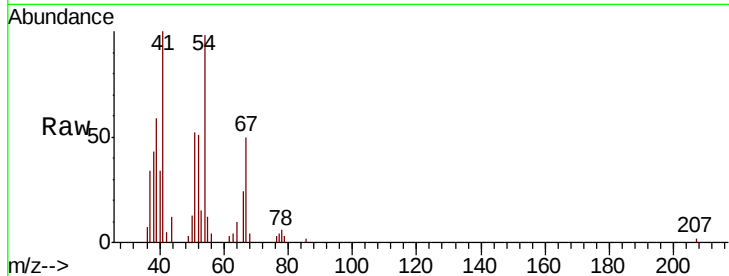
ClientSampleId :

VF0824SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.8	52.9	79.3	
67	49.8	45.3	67.9	
52	51.5	34.8	52.2	

Manual Integrations
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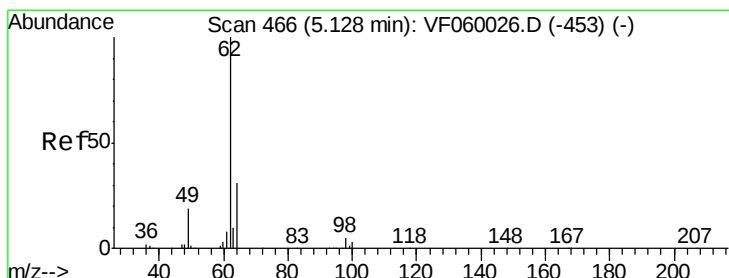
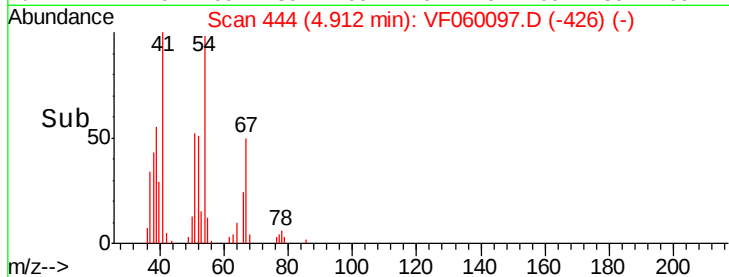
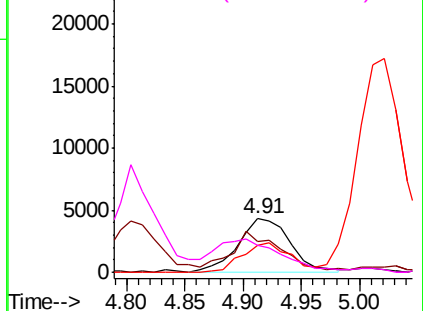
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 21.61 ug/l

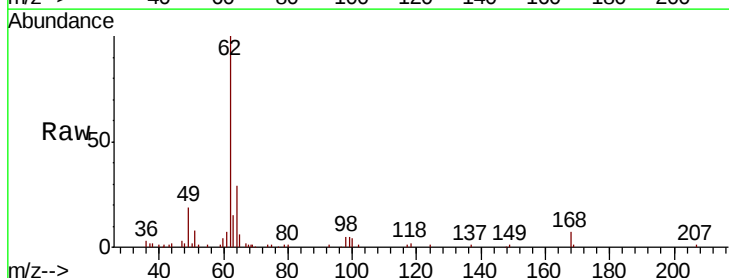
RT: 5.11 min Scan# 464

Delta R.T. -0.02 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

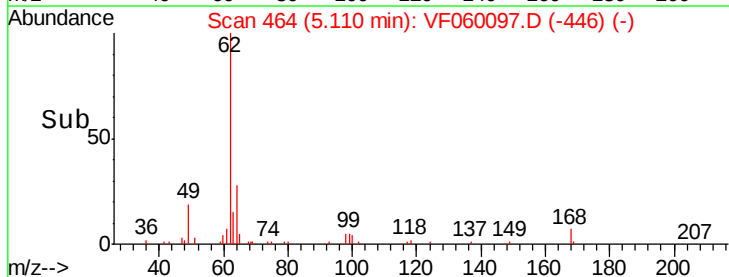
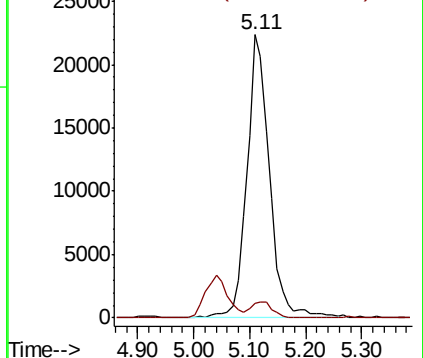
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	5.2	0.0	11.2	

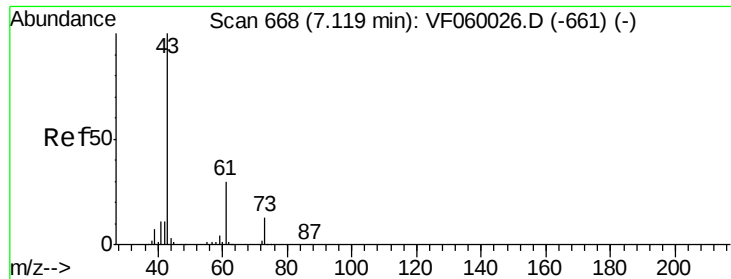


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

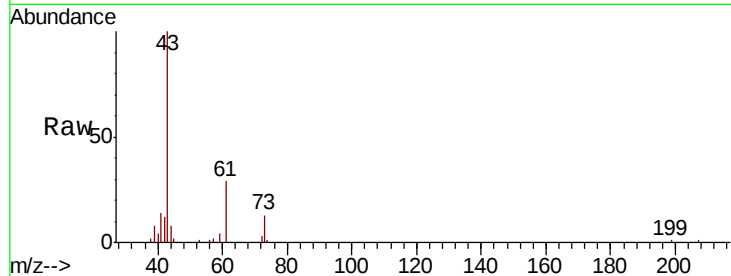
Isopropyl Acetate
 Concen: 15.64 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF060097.D
 Acq: 24 Aug 2018 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

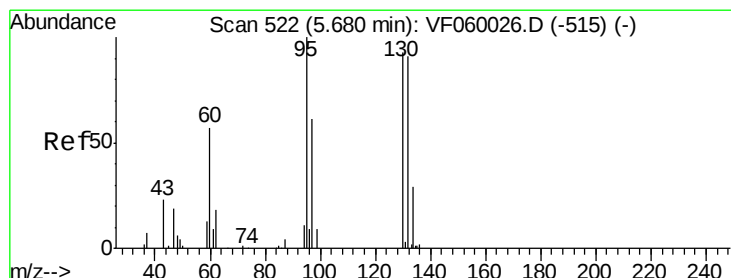
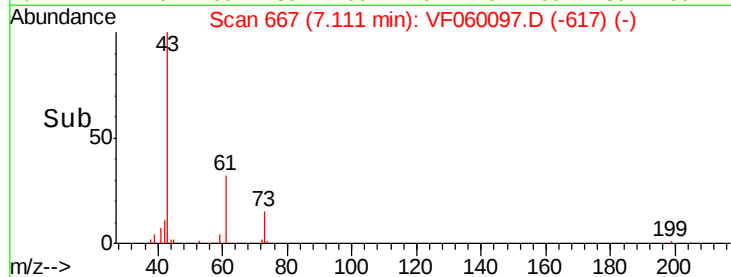
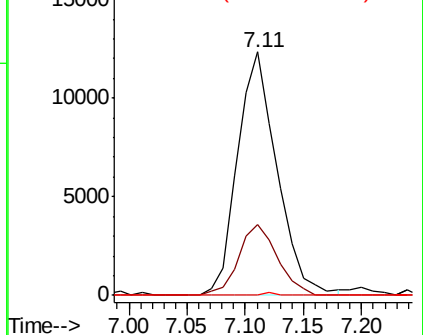
Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.8	35.6
87	0.0	0.2	0.4

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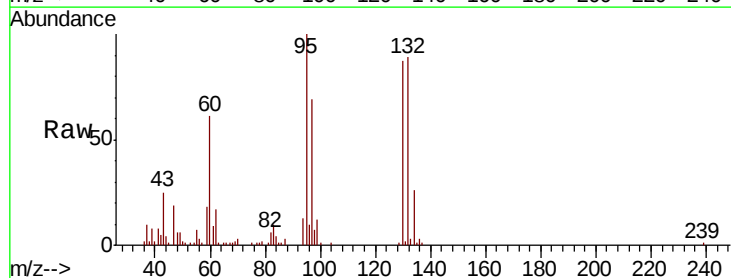
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



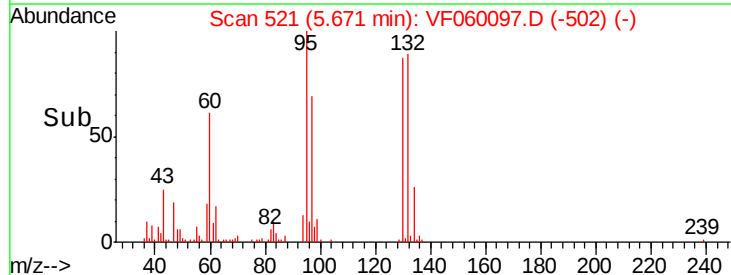
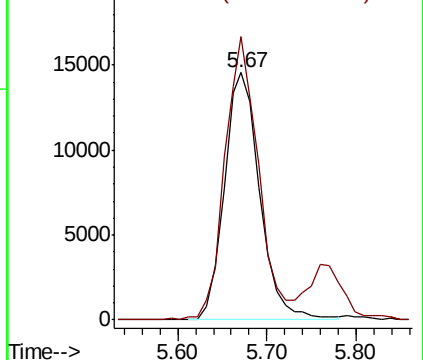
#44

Trichloroethene
 Concen: 22.77 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF060097.D
 Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Lower	Upper
130	100		
95	114.5	0.0	215.8



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.54 ug/l

RT: 6.40 min Scan# 595

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 63 Resp: 32766

Ion Ratio Lower Upper

63 100

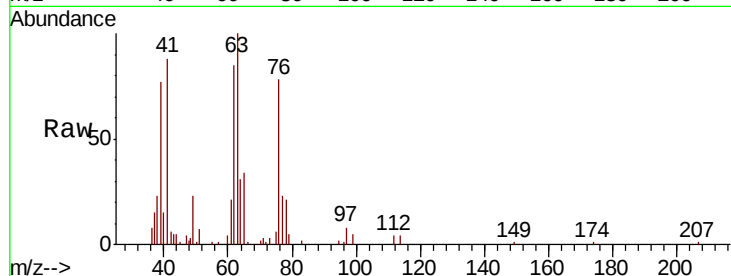
65 34.0 23.8 35.6

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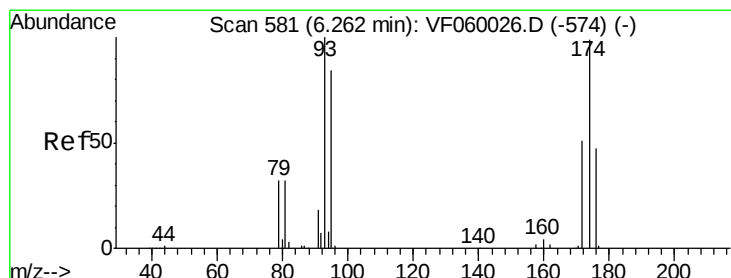
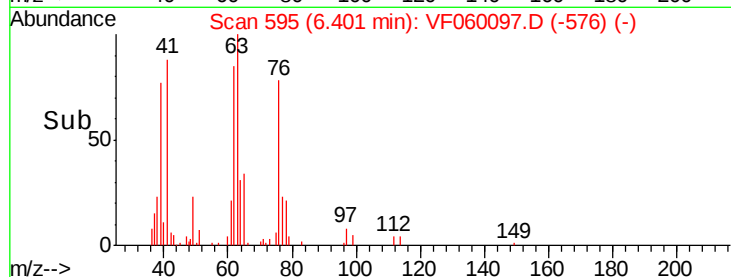
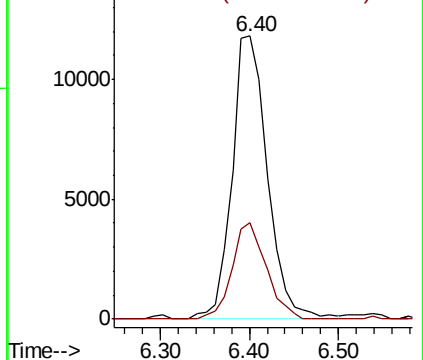
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 21.01 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

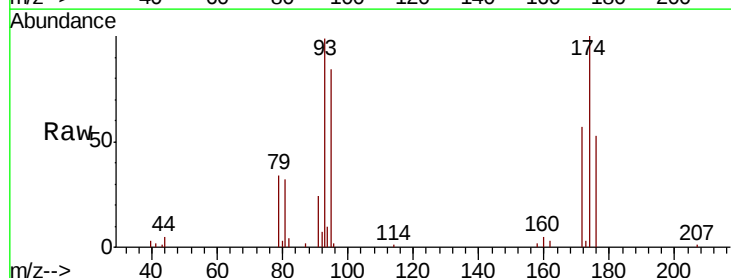
Tgt Ion: 93 Resp: 25014

Ion Ratio Lower Upper

93 100

95 86.5 67.1 100.7

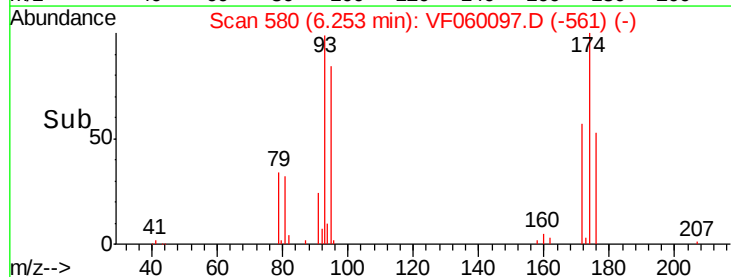
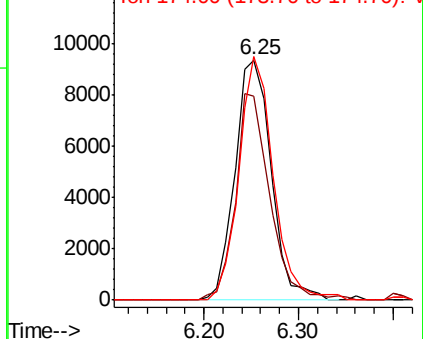
174 101.5 79.0 118.4

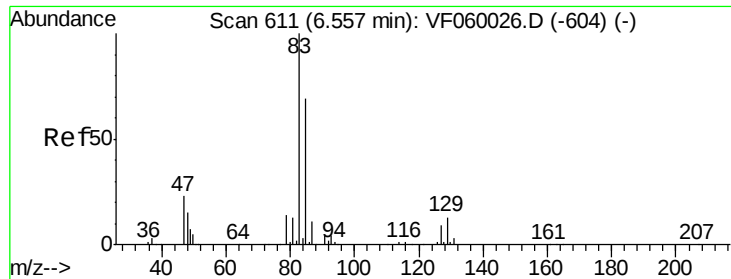


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 22.61 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

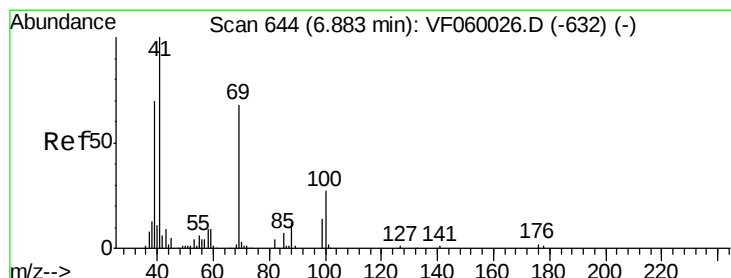
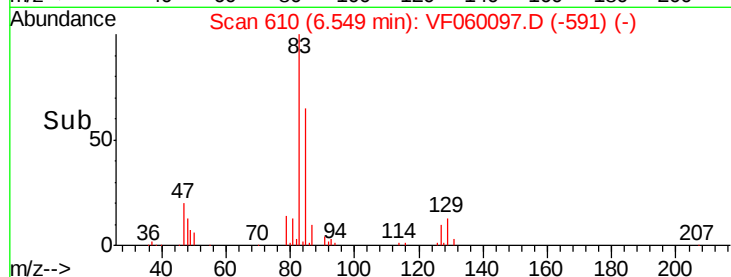
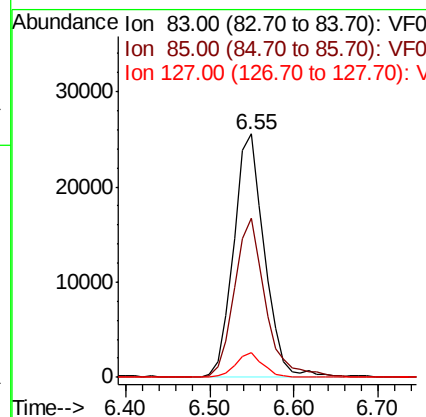
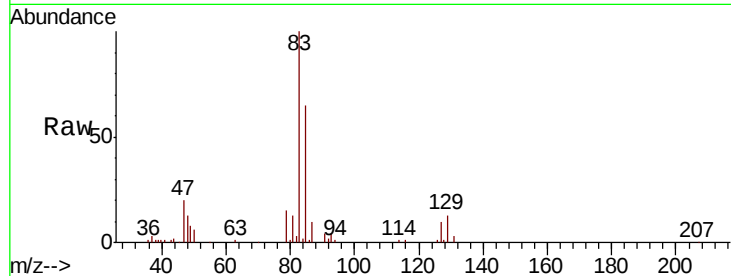
ClientSampleId :

VF0824SBS01

Tot Ion:	83	Resp:	65007
Ion Ratio	Lower	Upper	
83	100		
85	65.3	55.2	82.8
127	9.9	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.73 ug/l

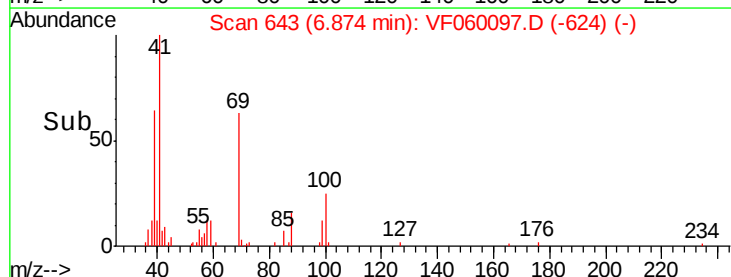
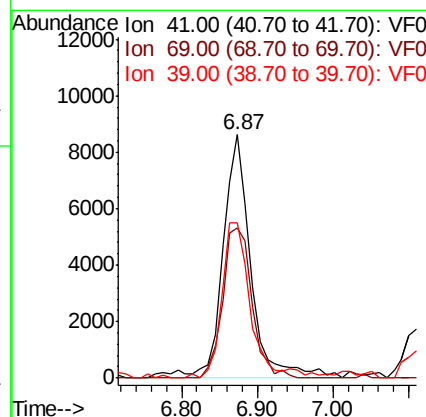
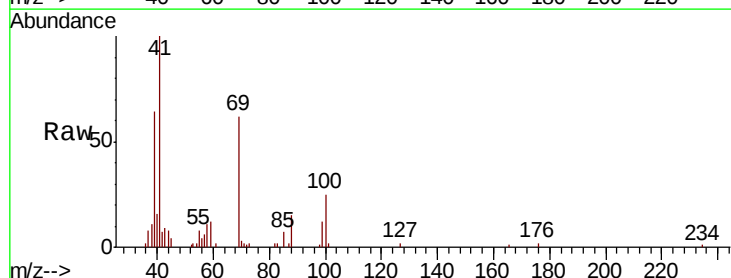
RT: 6.87 min Scan# 643

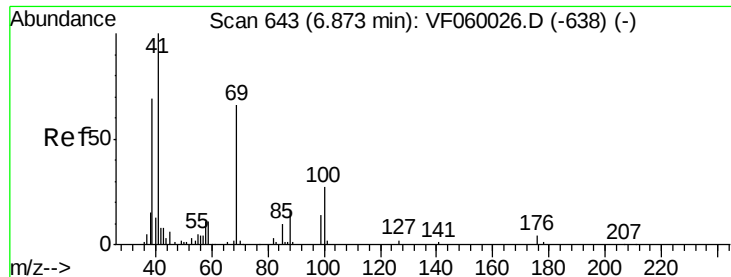
Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Tgt Ion:	41	Resp:	21737
Ion Ratio	Lower	Upper	
41	100		
69	61.8	54.6	81.8
39	63.7	56.5	84.7





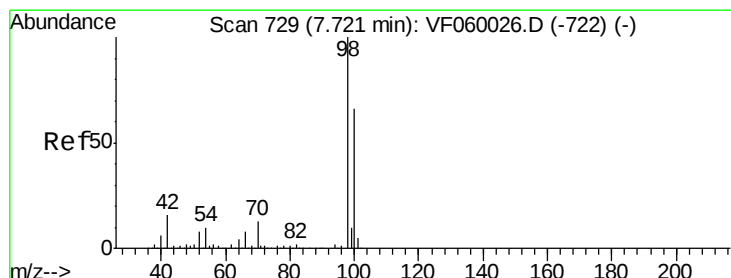
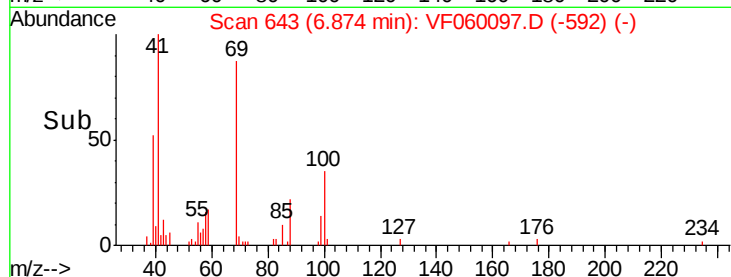
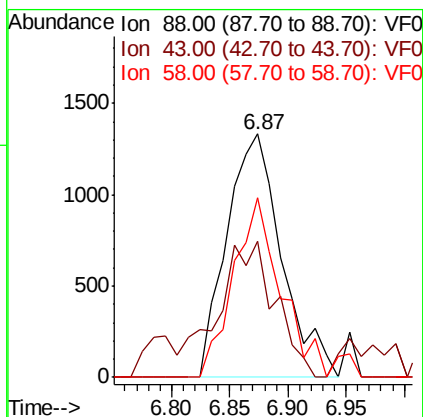
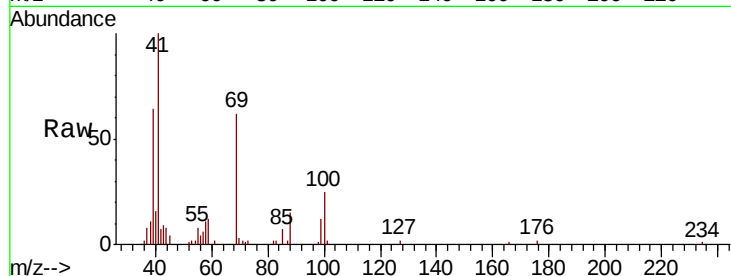
#49
1,4-Dioxane
Concen: 370.05 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.00 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	55.7	46.5	69.7
58	73.7	54.8	82.2

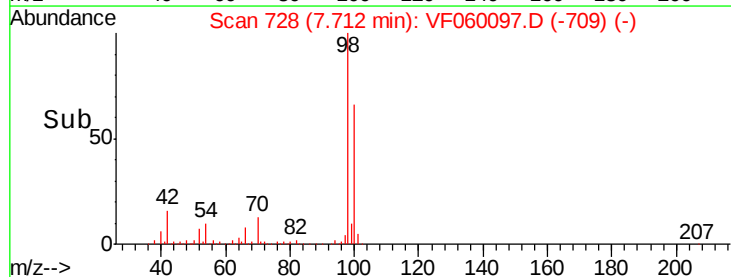
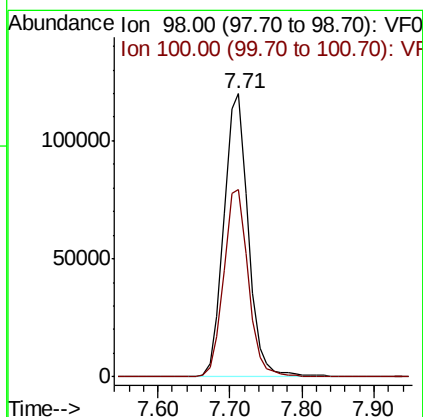
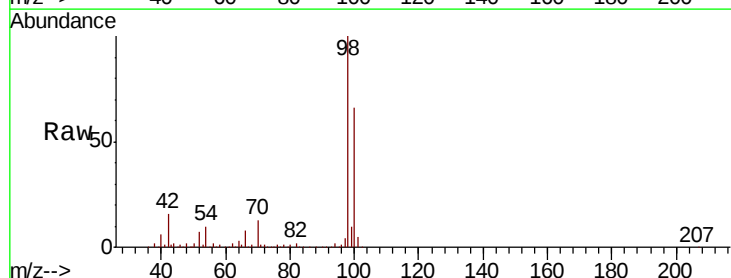
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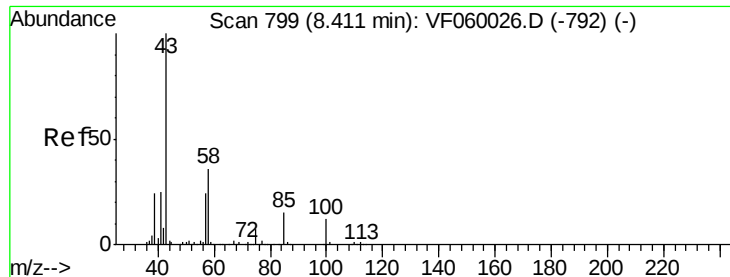
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#50
Toluene-d8
Concen: 48.24 ug/l
RT: 7.71 min Scan# 728
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 101.58 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 43 Resp: 162545

Ion Ratio Lower Upper

43 100

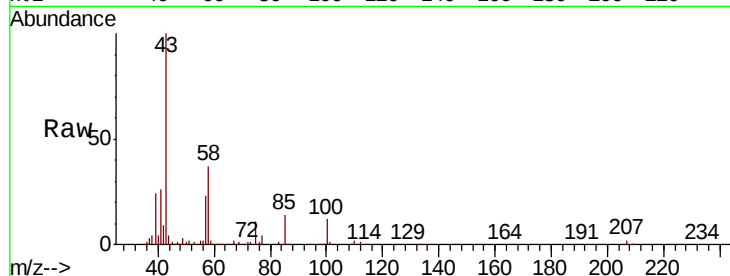
58 37.4 28.6 42.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.40

60000

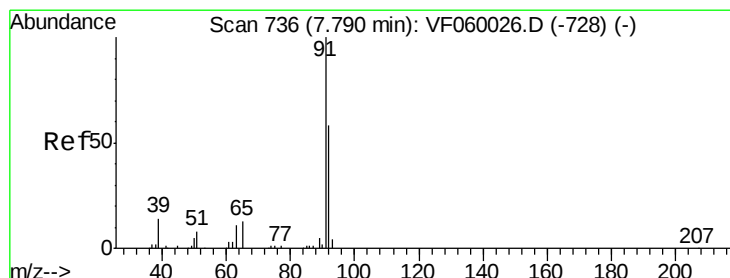
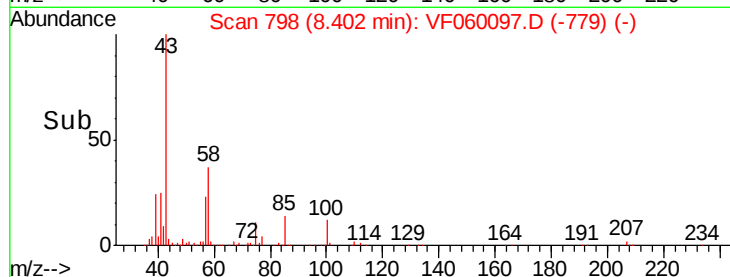
40000

20000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 24.11 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060097.D

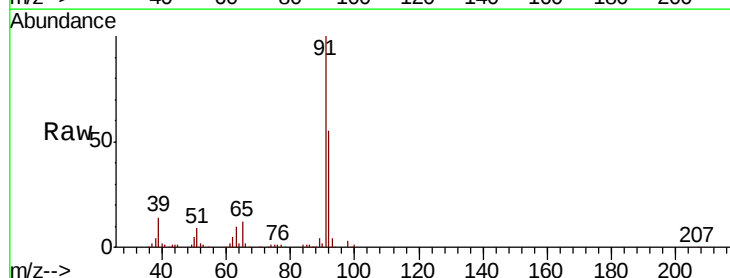
Acq: 24 Aug 2018 13:56

Tgt Ion: 92 Resp: 92187

Ion Ratio Lower Upper

92 100

91 180.8 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

80000

60000

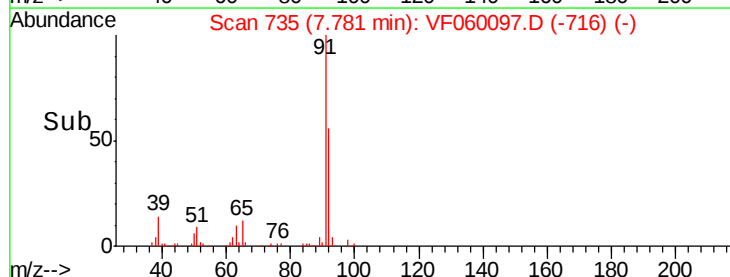
40000

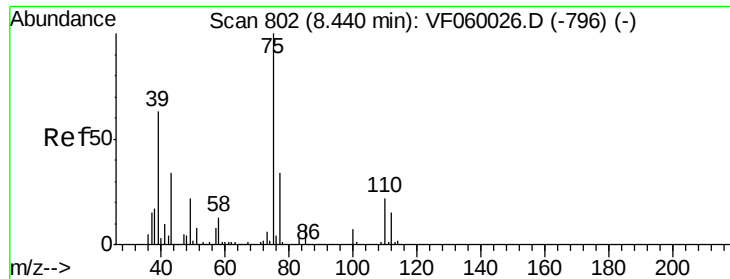
20000

0

7.70 7.80 7.90

Time-->





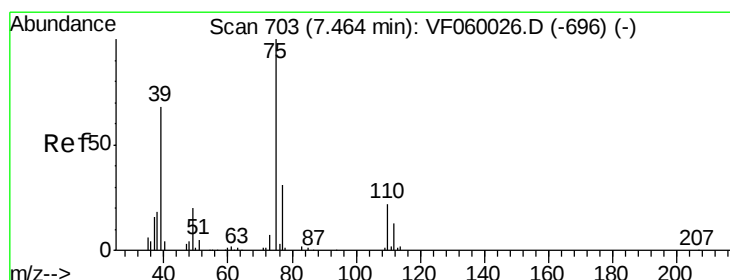
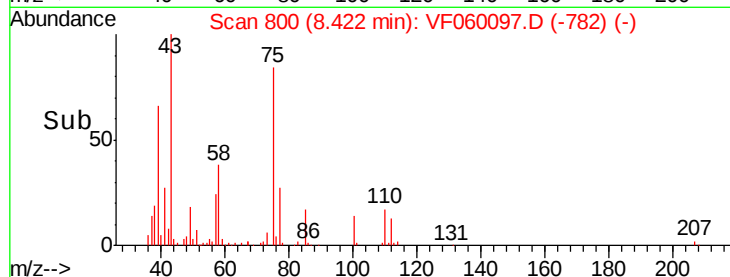
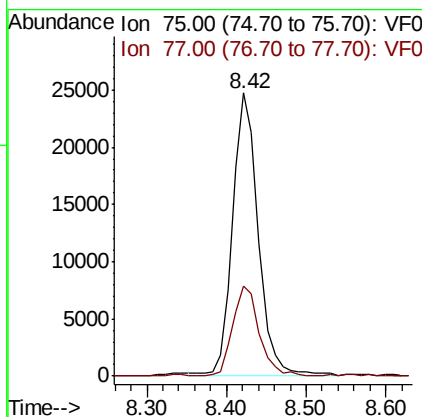
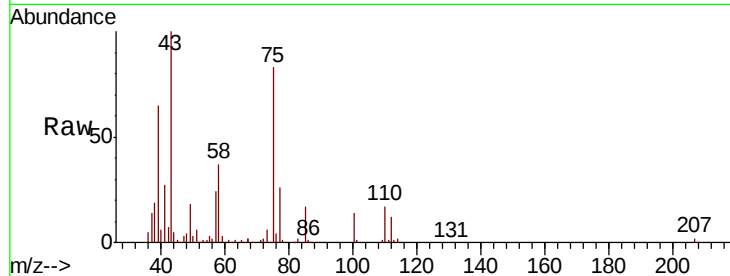
#53
t-1,3-Dichloropropene
Concen: 21.55 ug/l
RT: 8.42 min Scan# 800
Delta R.T. -0.02 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion: 75 Resp: 56188
Ion Ratio Lower Upper
75 100
77 31.9 27.4 41.2

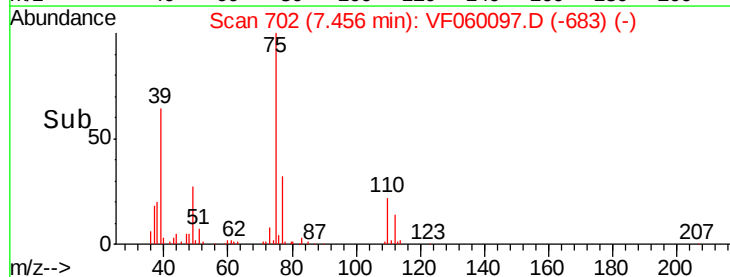
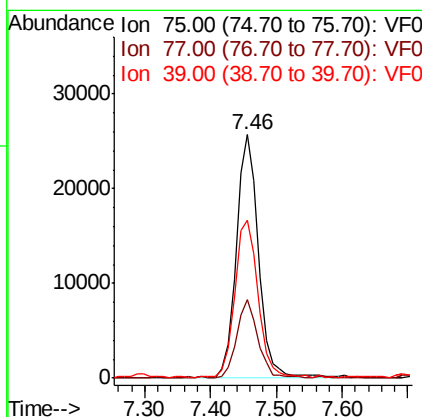
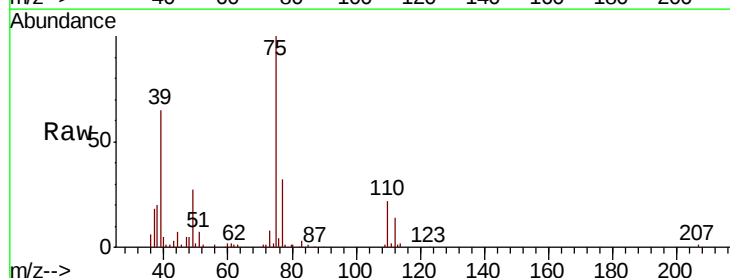
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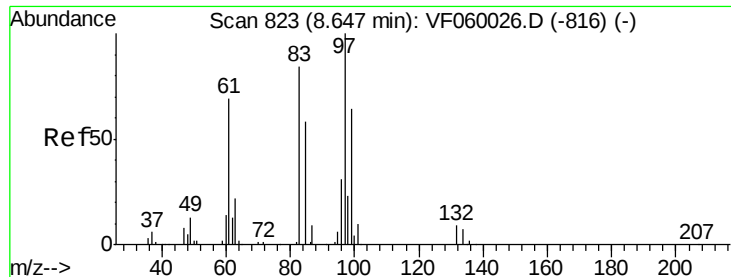
apatel
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#54
cis-1,3-Dichloropropene
Concen: 20.96 ug/l
RT: 7.46 min Scan# 702
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Tgt Ion: 75 Resp: 60988
Ion Ratio Lower Upper
75 100
77 32.4 24.6 37.0
39 64.8 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 21.82 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

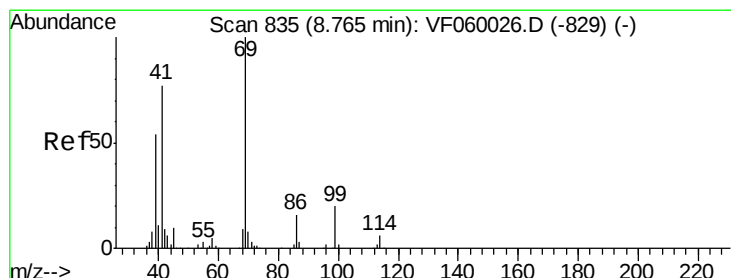
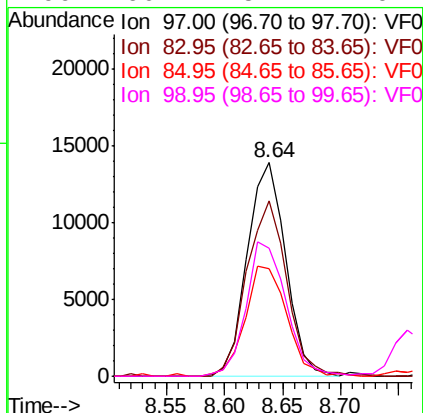
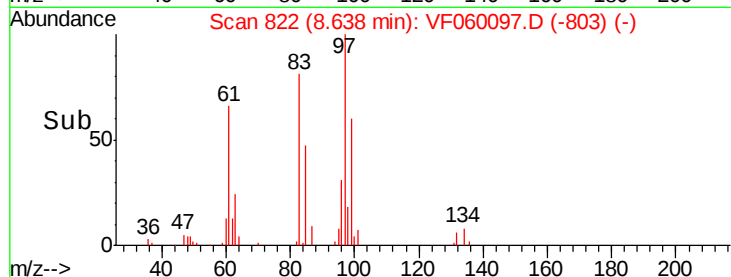
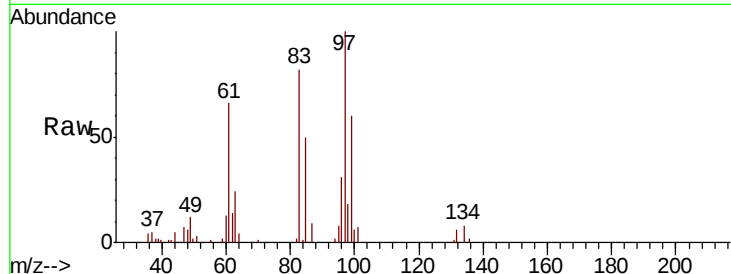
ClientSampleId :

VF0824SBS01

Tot Ion:	97	Resp:	31660
Ion	Ratio	Lower	Upper
97	100		
83	82.4	67.4	101.2
85	50.3	46.2	69.2
99	60.2	51.1	76.7

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#56

Ethyl methacrylate

Concen: 18.38 ug/l

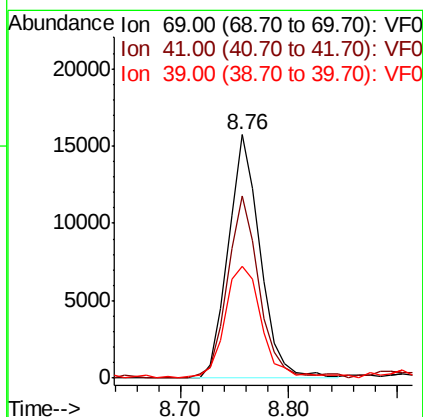
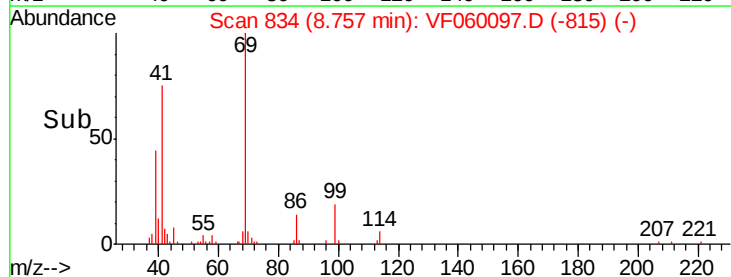
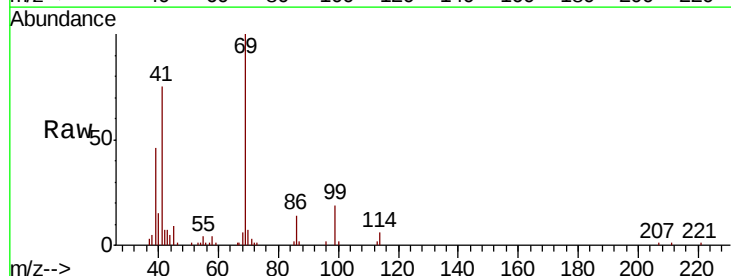
RT: 8.76 min Scan# 834

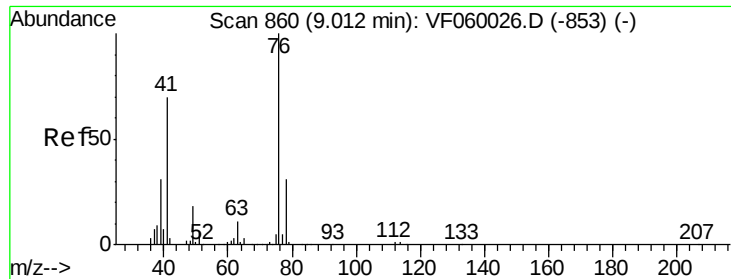
Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Tgt Ion:	69	Resp:	32288
Ion	Ratio	Lower	Upper
69	100		
41	74.9	61.6	92.4
39	45.7	43.9	65.9





#57

1,3-Dichloropropane

Concen: 19.79 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.02 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 76 Resp: 50469

Ion Ratio Lower Upper

76 100

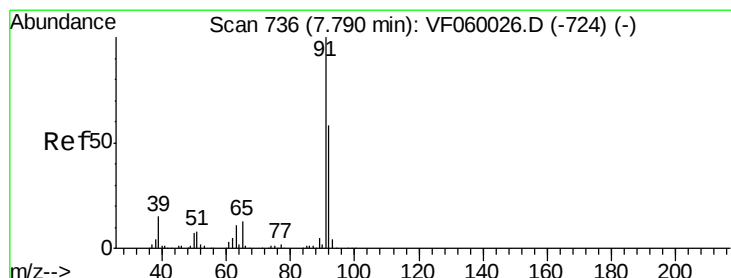
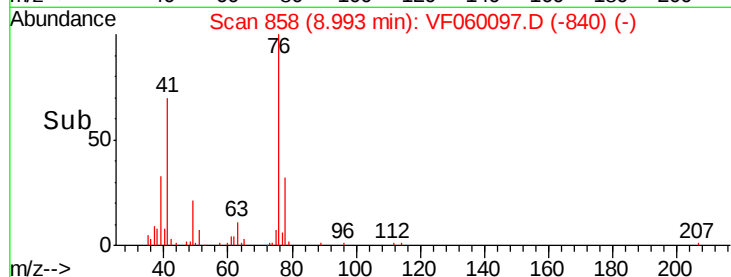
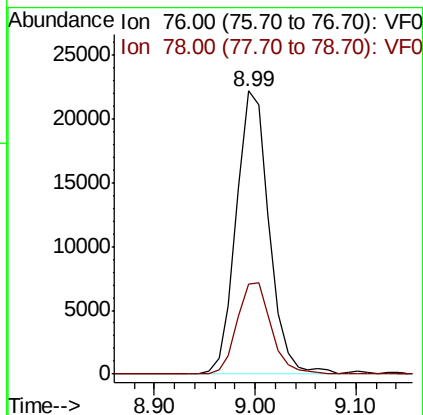
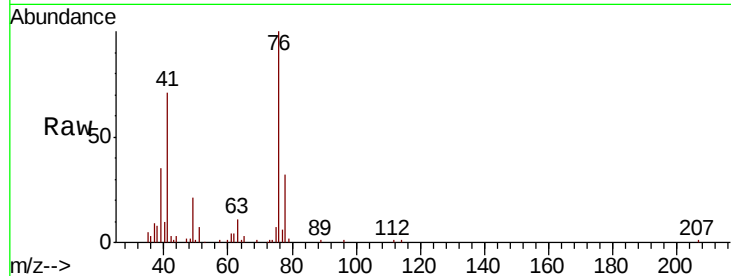
78 32.1 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 116.24 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060097.D

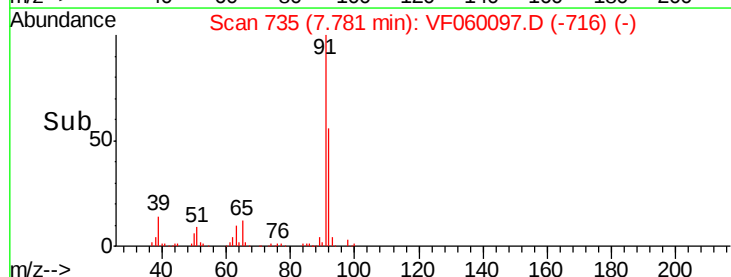
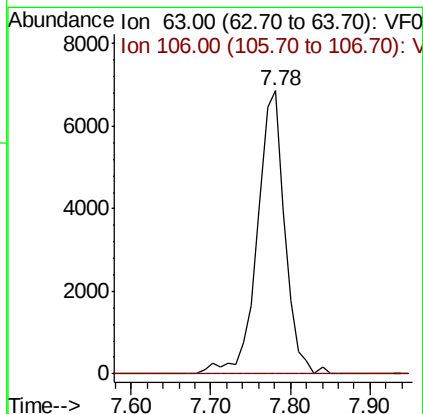
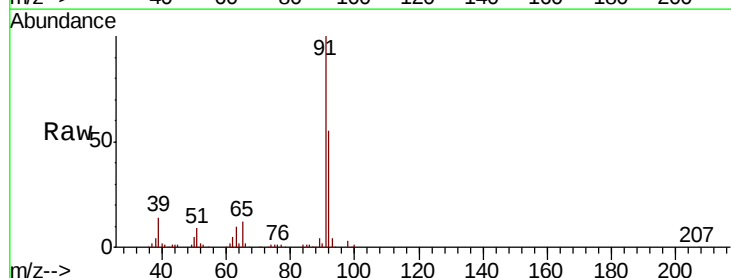
Acq: 24 Aug 2018 13:56

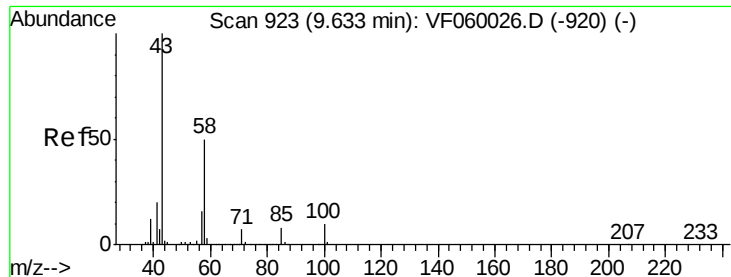
Tgt Ion: 63 Resp: 16206

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





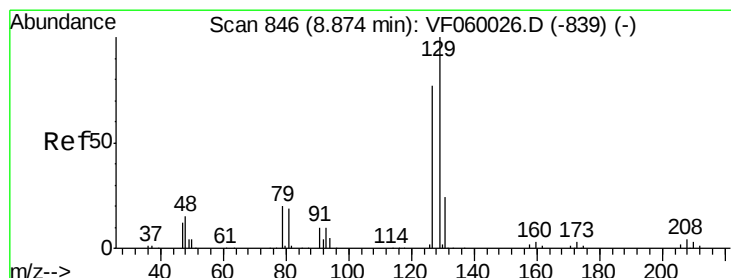
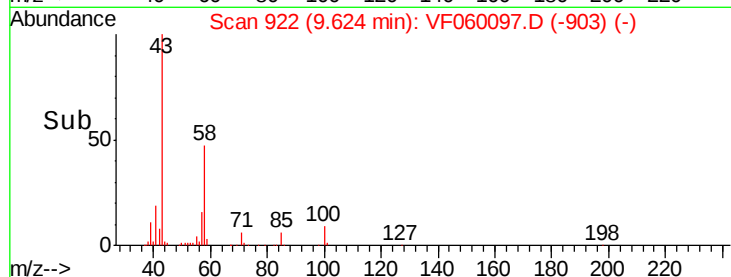
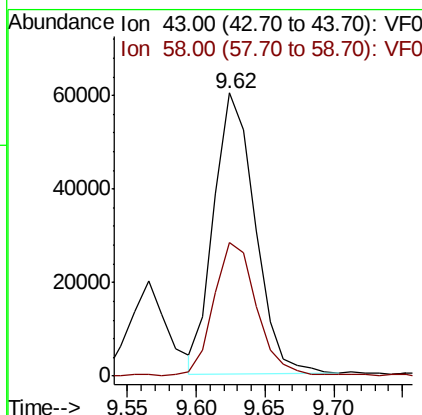
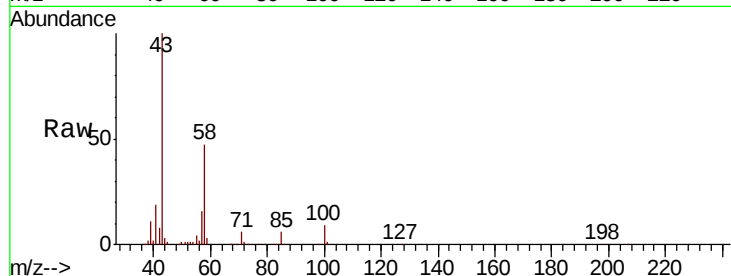
#59
2-Hexanone
Concen: 96.35 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.2	23.4	70.2

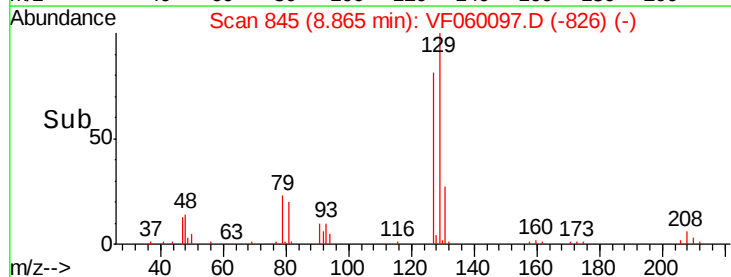
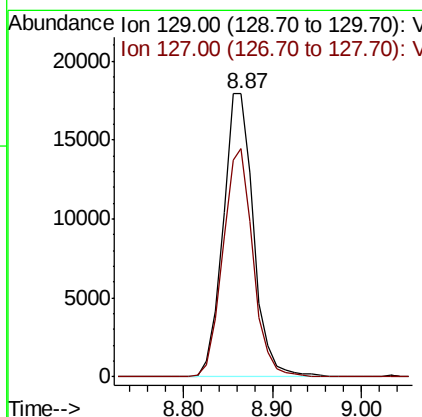
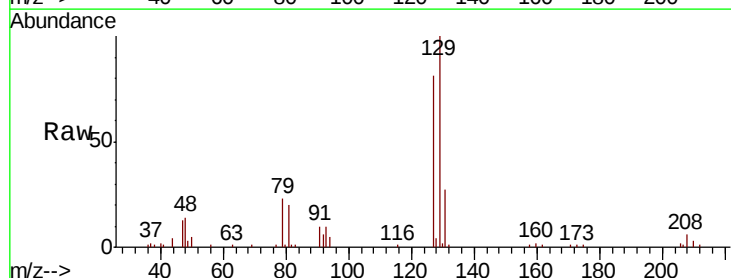
Manual Integrations
APPROVED

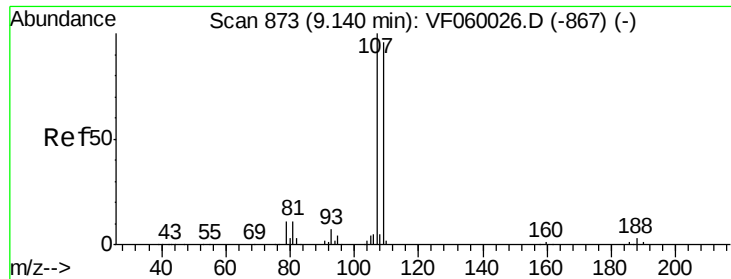
apatel
8/27/2018 3:22:02 PM



#60
Dibromochloromethane
Concen: 20.11 ug/l
RT: 8.87 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.8	38.6	115.8





#61

1,2-Dibromoethane

Concen: 20.44 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion:107 Resp: 34833

Ion Ratio Lower Upper

107 100

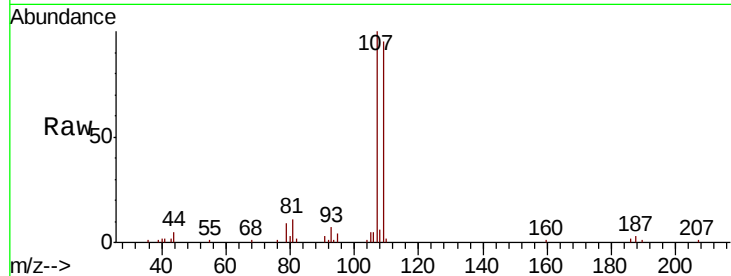
109 94.8 76.5 114.7

Manual Integrations

APPROVED

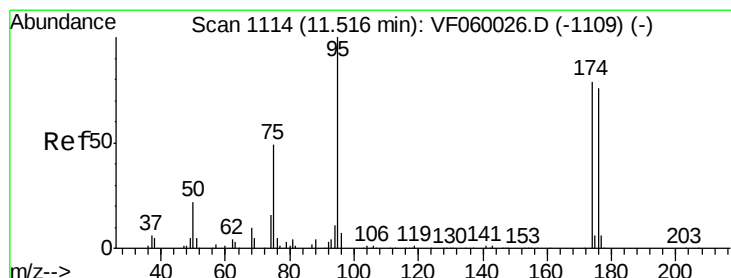
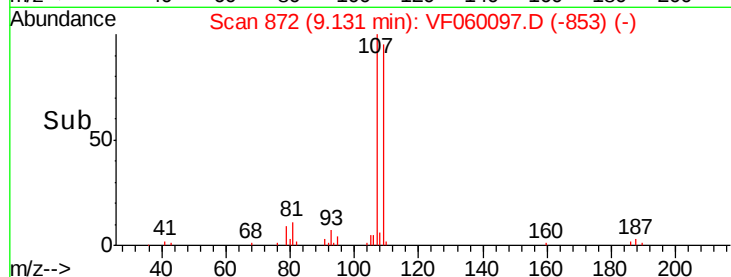
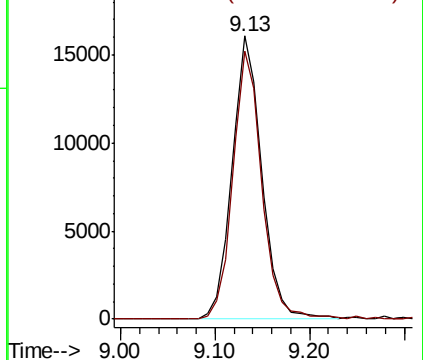
apatel

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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: 50.48 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

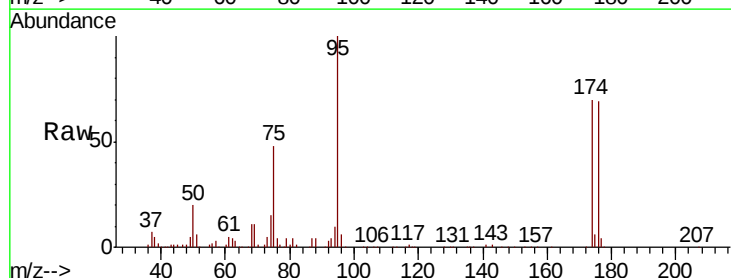
Tgt Ion: 95 Resp: 156014

Ion Ratio Lower Upper

95 100

174 70.1 0.0 158.4

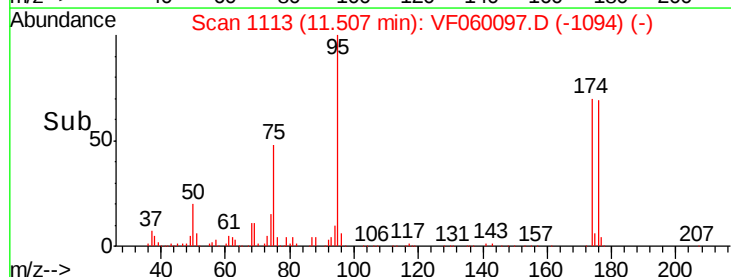
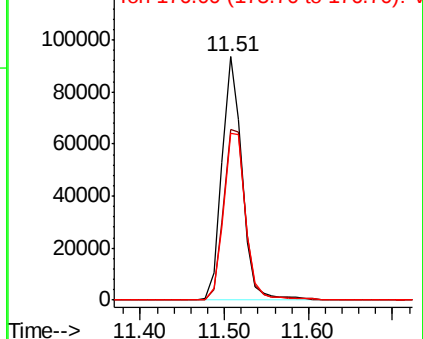
176 68.6 0.0 153.0

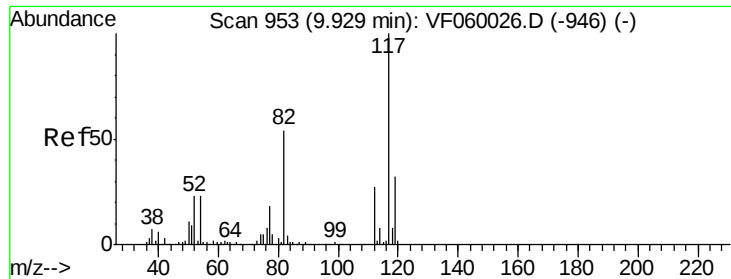


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





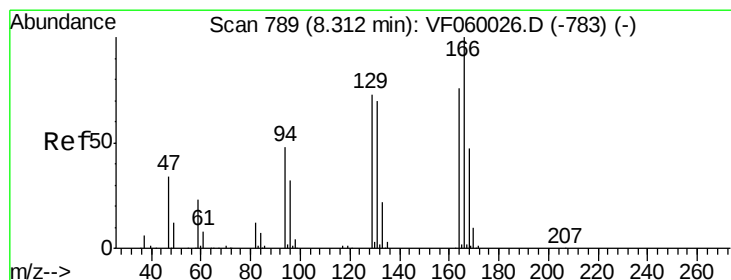
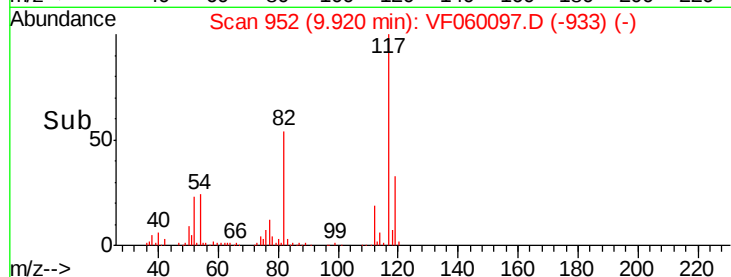
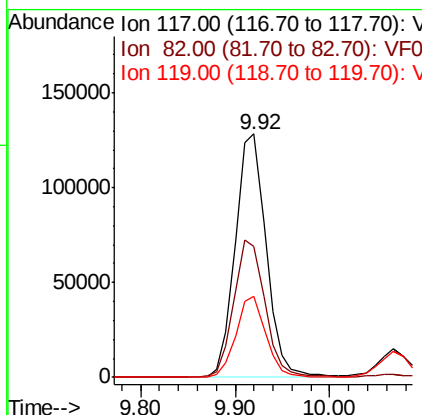
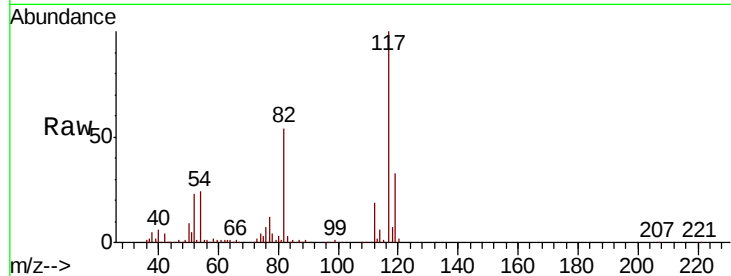
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	290977		
82	53.6		43.6	65.4
119	33.4		25.6	38.4

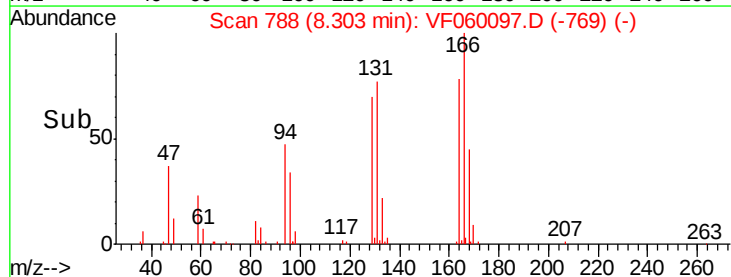
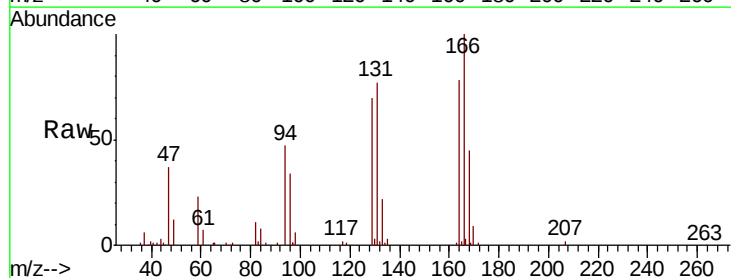
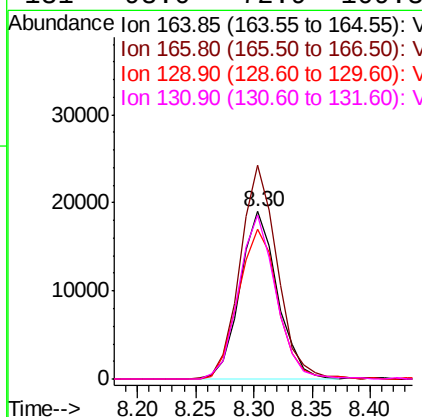
Manual Integrations
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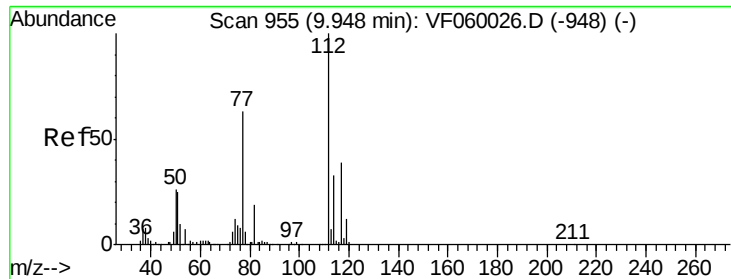
apatel
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#64
Tetrachloroethene
Concen: 21.61 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42361		
166	127.5		104.7	157.1
129	89.4		77.0	115.4
131	98.0		72.9	109.3





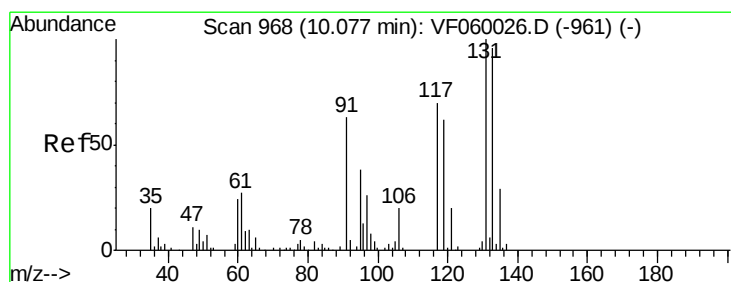
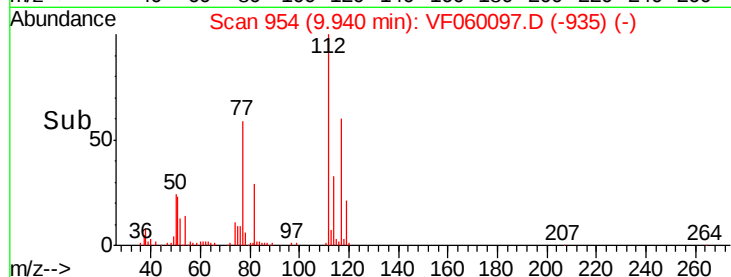
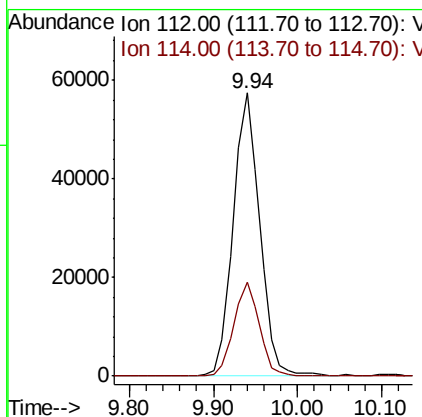
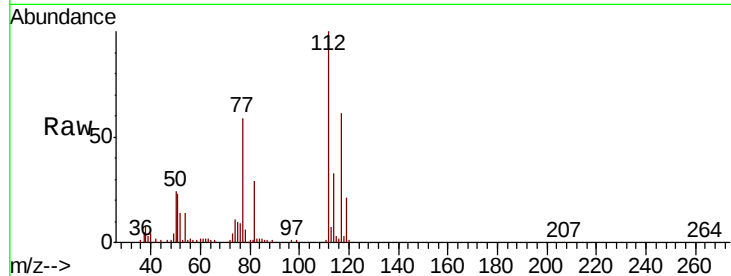
#65
Chlorobenzene
Concen: 22.95 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion:112 Resp: 126085
Ion Ratio Lower Upper
112 100
114 33.0 26.2 39.2

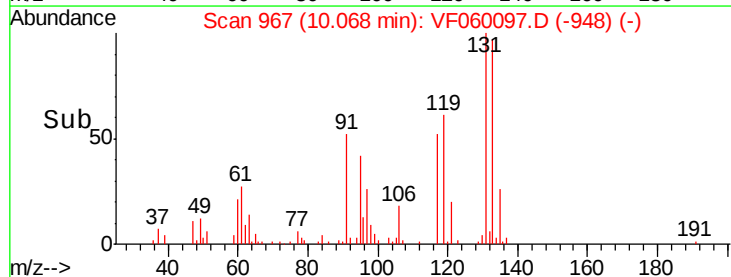
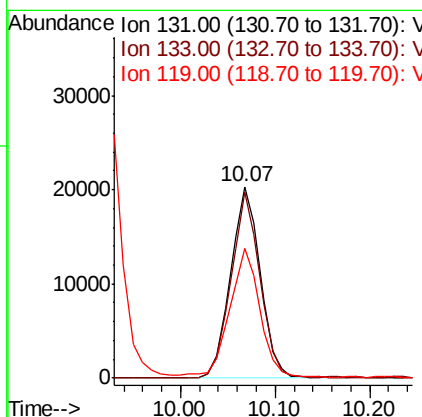
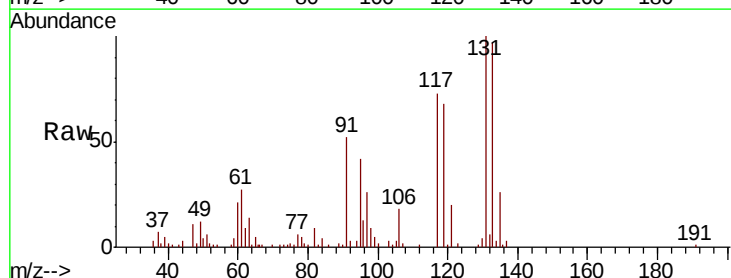
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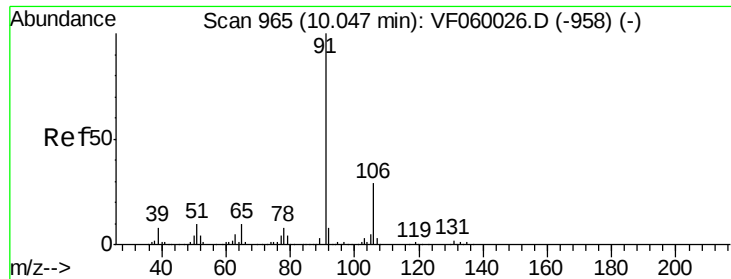
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.19 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Tgt Ion:131 Resp: 44159
Ion Ratio Lower Upper
131 100
133 97.1 48.2 144.6
119 67.6 31.4 94.2





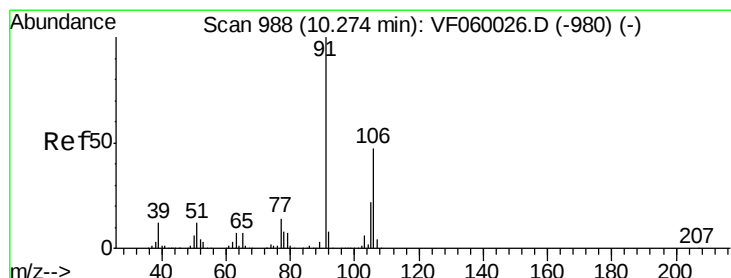
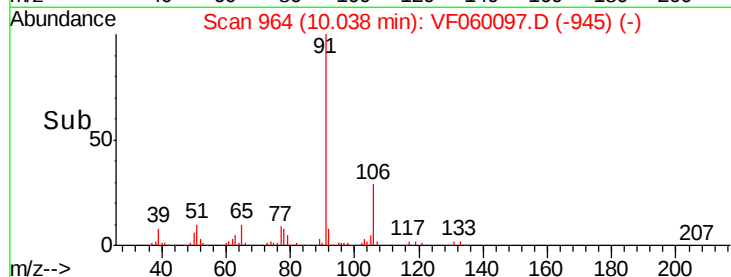
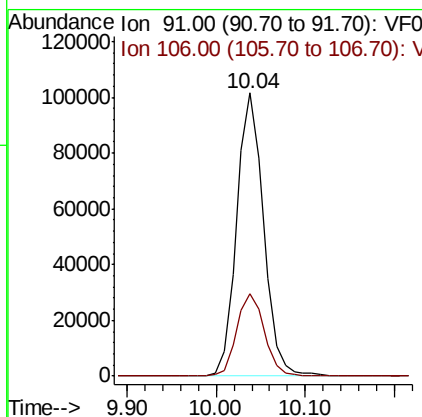
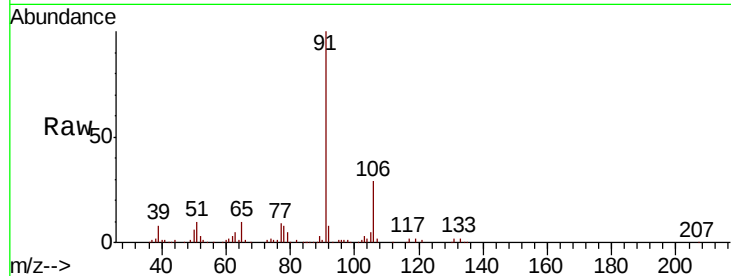
#67
Ethyl Benzene
Concen: 22.56 ug/l
RT: 10.04 min Scan# 964
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.3	23.6	35.4

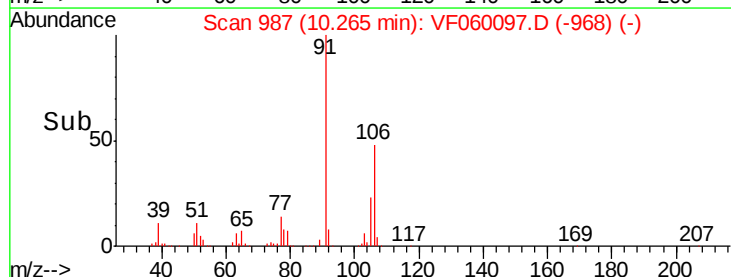
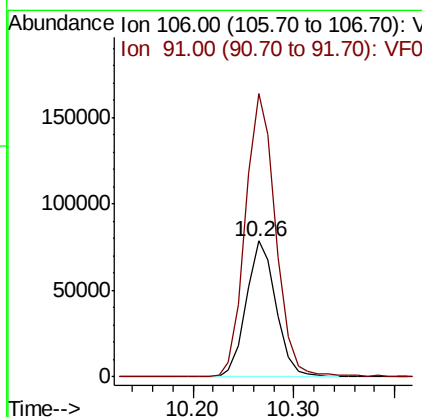
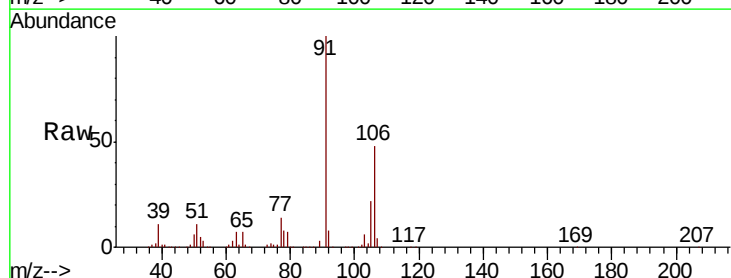
Manual Integrations
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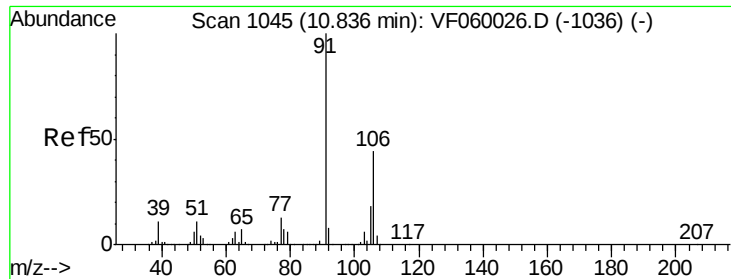
apatel
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#68
m/p-Xylenes
Concen: 47.25 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Lower	Upper
106	100		
91	208.3	171.8	257.8





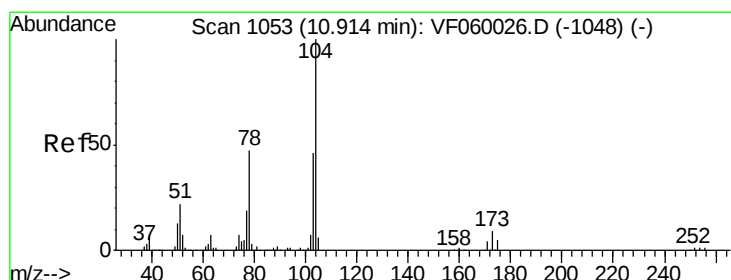
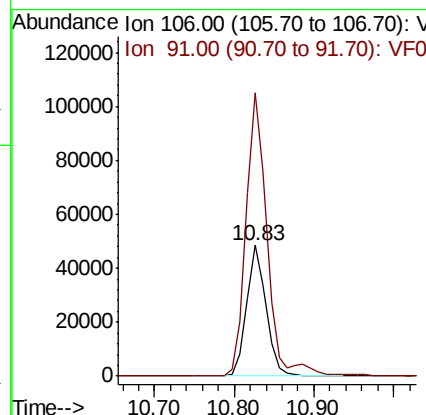
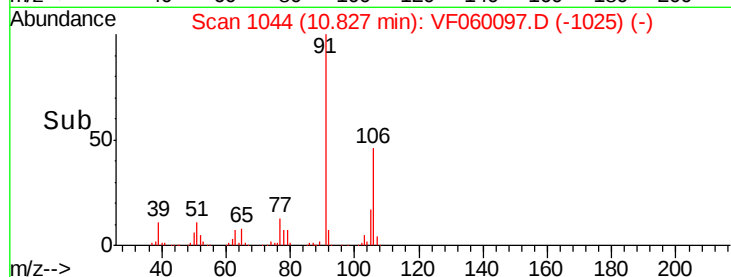
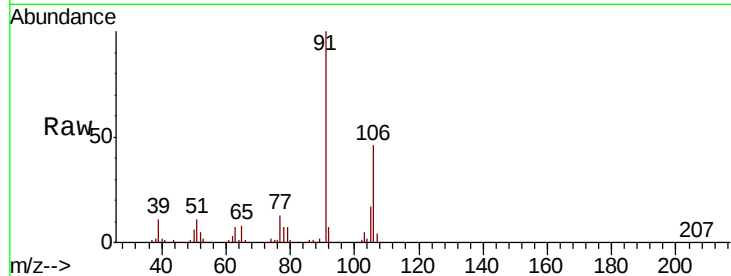
#69
o-Xylene
Concen: 22.09 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion:106 Resp: 82049
Ion Ratio Lower Upper
106 100
91 216.3 112.5 337.5

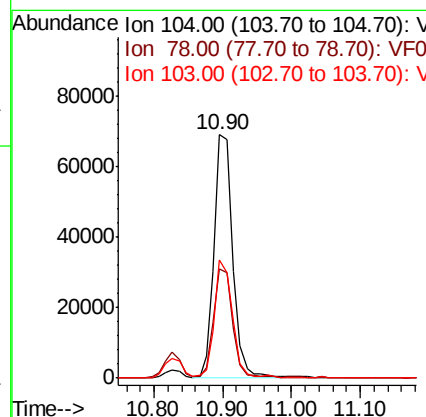
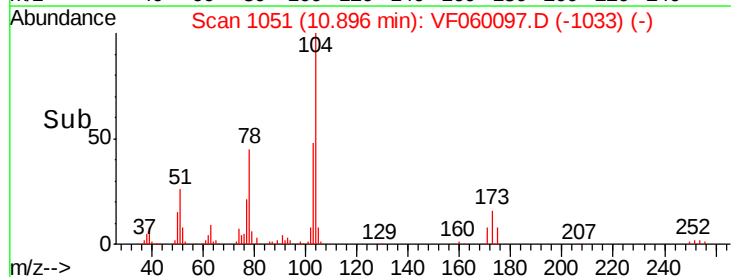
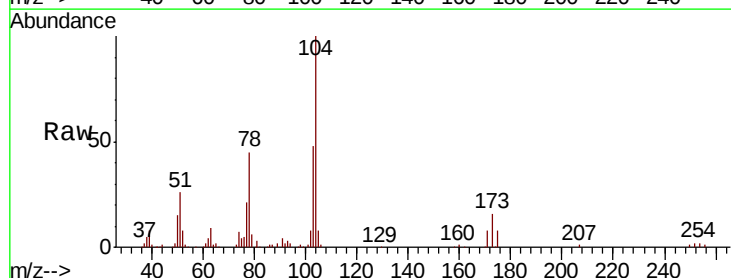
Manual Integrations
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#70
Styrene
Concen: 22.93 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.02 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Tgt Ion:104 Resp: 130653
Ion Ratio Lower Upper
104 100
78 45.0 38.0 57.0
103 48.3 37.6 56.4





#71

Bromoform

Concen: 18.30 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion:173 Resp: 26608

Ion Ratio Lower Upper

173 100

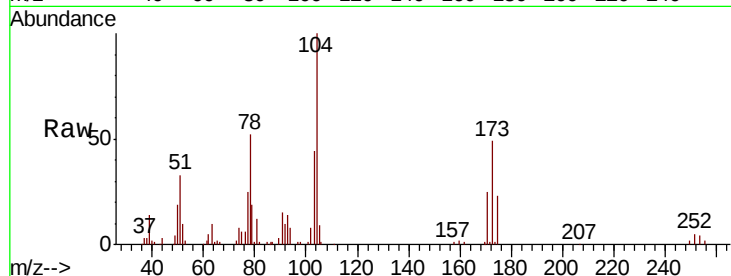
175 46.4 24.7 74.1

254 0.0 0.0 0.0

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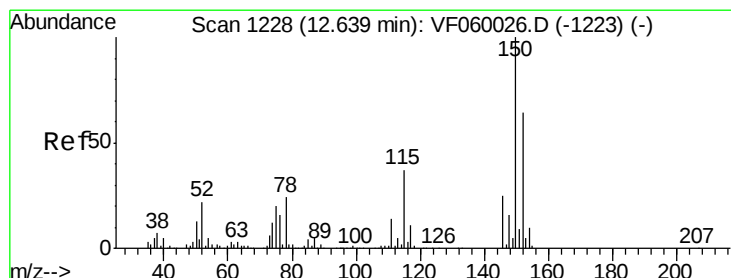
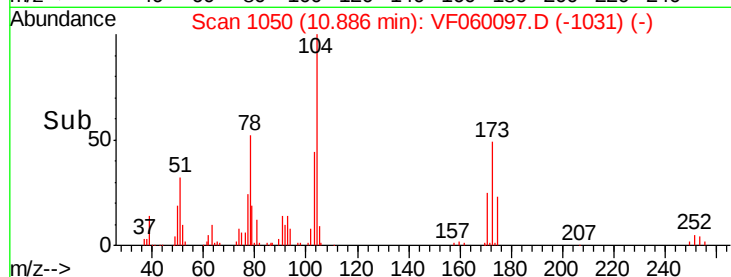
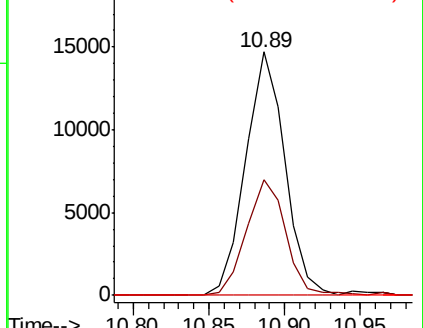
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Abundance Ion 173.00 (172.70 to 173.70): V

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# 1227

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

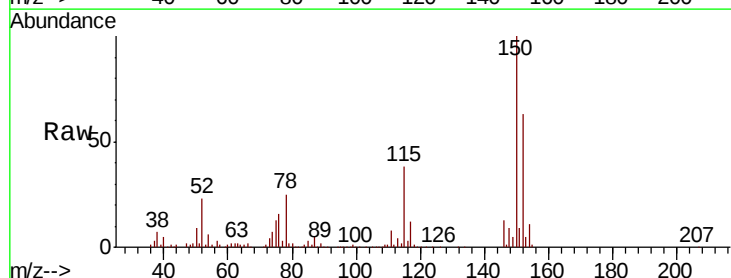
Tgt Ion:152 Resp: 172891

Ion Ratio Lower Upper

152 100

115 60.4 28.6 85.9

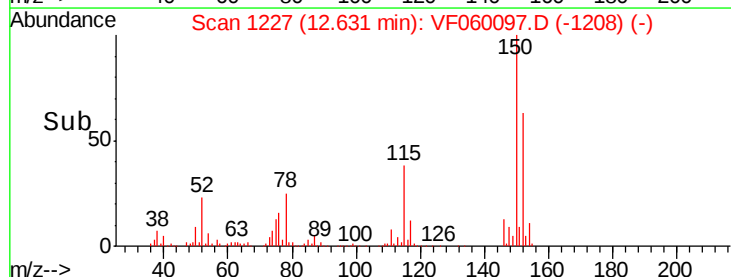
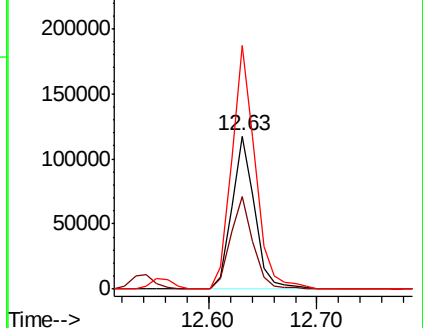
150 159.3 0.0 312.0

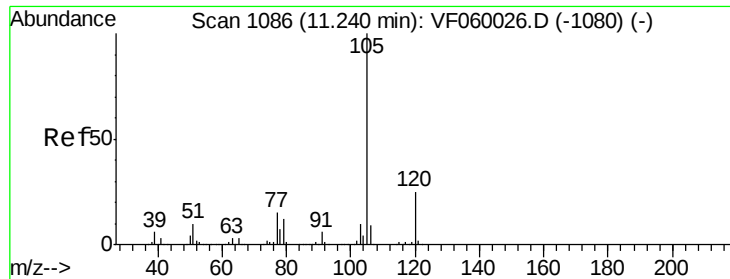


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.94 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 105 Resp: 238725

Ion Ratio Lower Upper

105 100

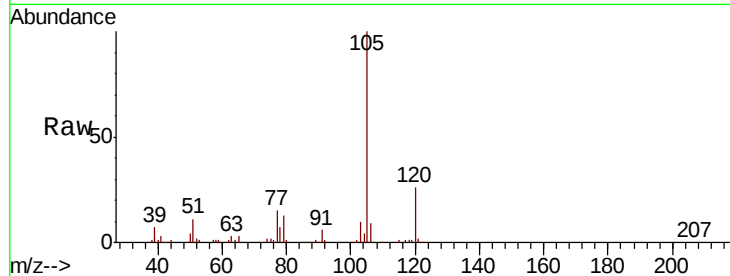
120 26.2 12.7 38.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

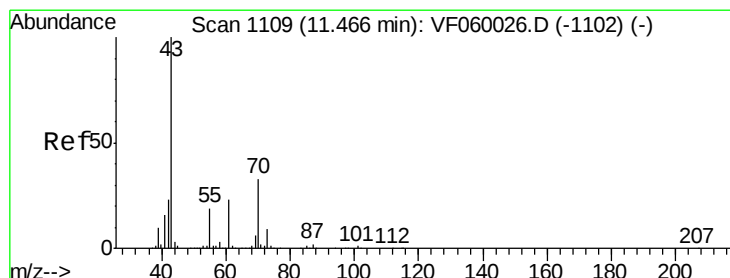
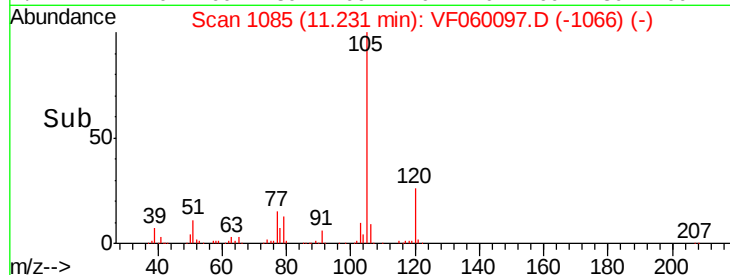
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 17.90 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Tgt Ion: 43 Resp: 57905

Ion Ratio Lower Upper

43 100

70 34.0 26.4 39.6

55 25.0 15.0 22.4#

61 25.6 18.4 27.6

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

50000

40000

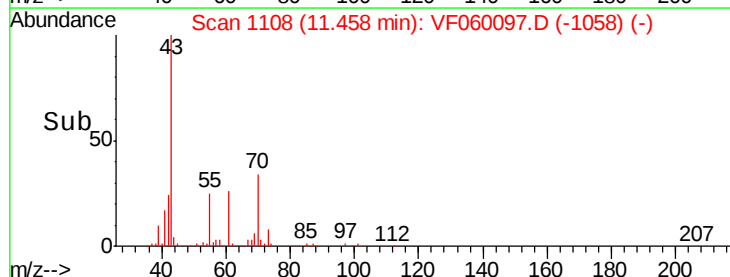
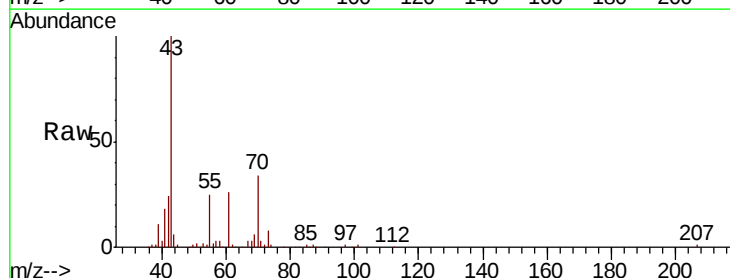
30000

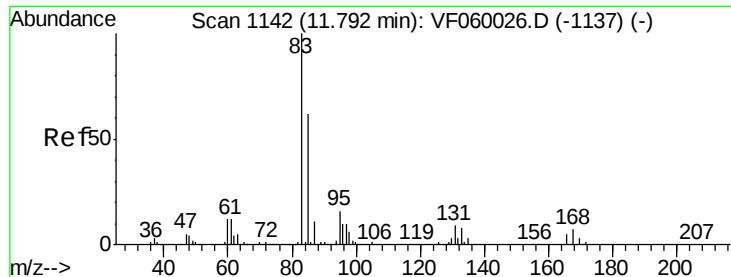
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.64 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

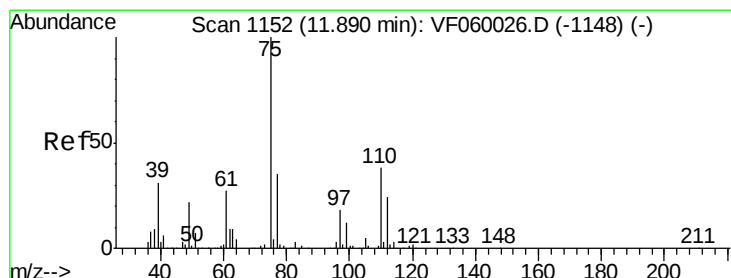
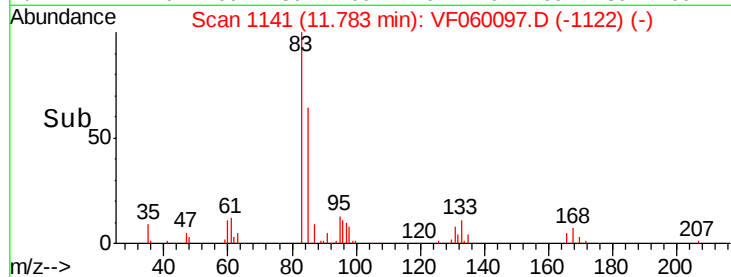
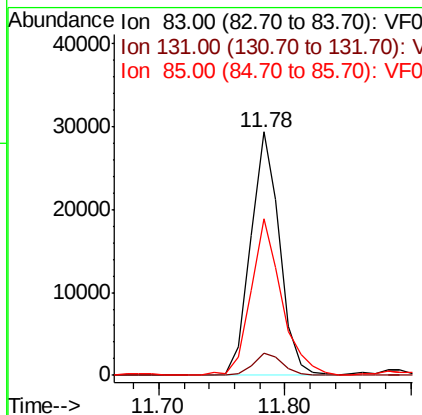
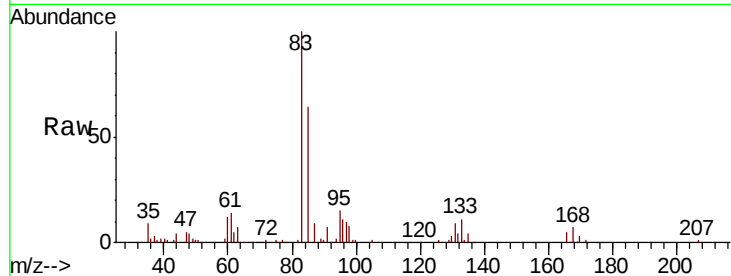
ClientSampleId :

VF0824SBS01

Tot Ion:	83	Resp:	46921
Ion Ratio	Lower	Upper	
83	100		
131	9.0	4.5	13.7
85	64.4	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.00 ug/l

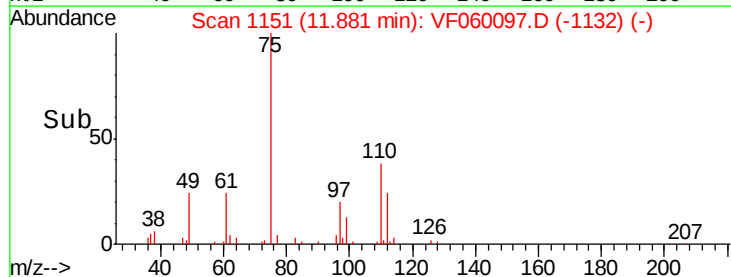
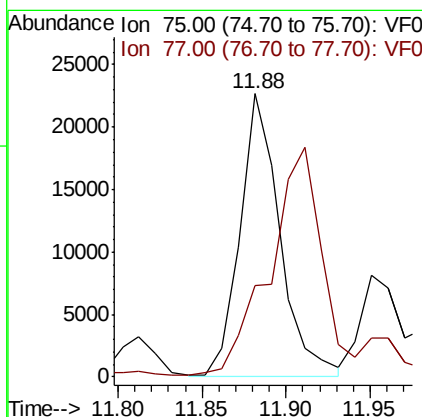
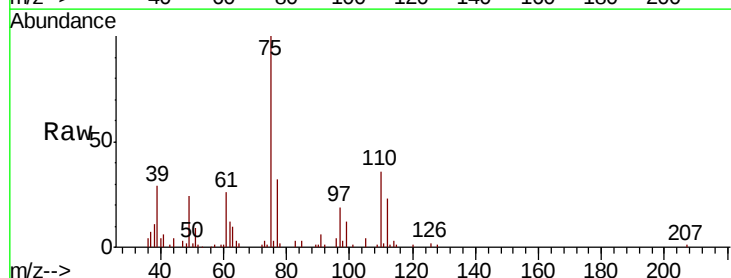
RT: 11.88 min Scan# 1151

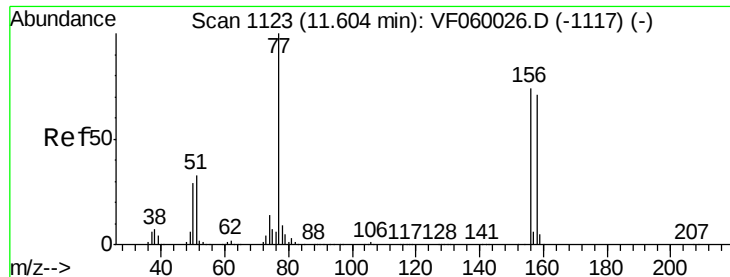
Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Tgt Ion:	75	Resp:	37010
Ion Ratio	Lower	Upper	
75	100		
77	32.4	17.3	52.0





#77

Bromobenzene

Concen: 21.44 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

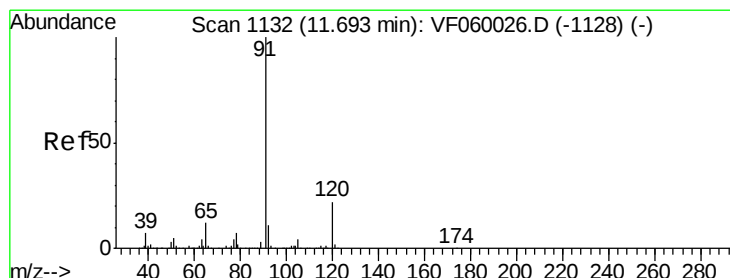
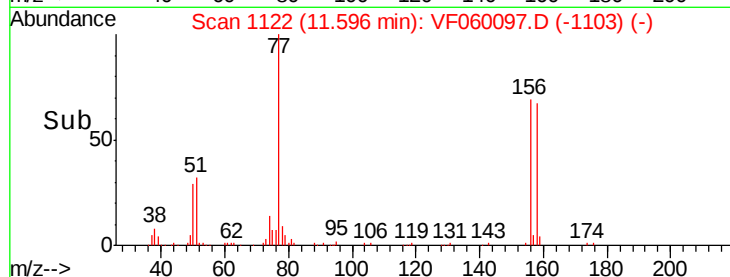
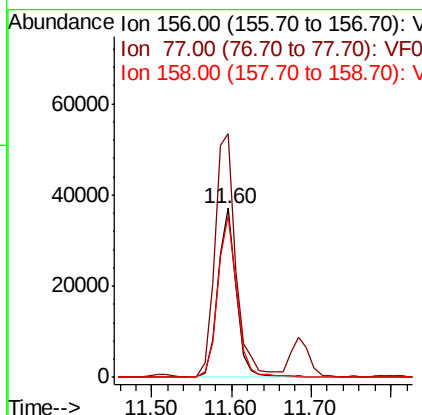
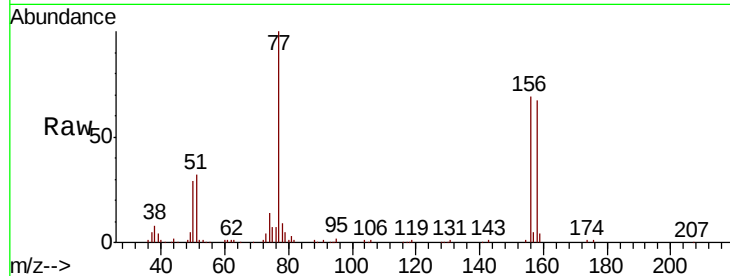
ClientSampleId :

VF0824SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	144.0	68.0	204.0	
158	95.8	48.4	145.3	

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#78

n-propylbenzene

Concen: 24.68 ug/l

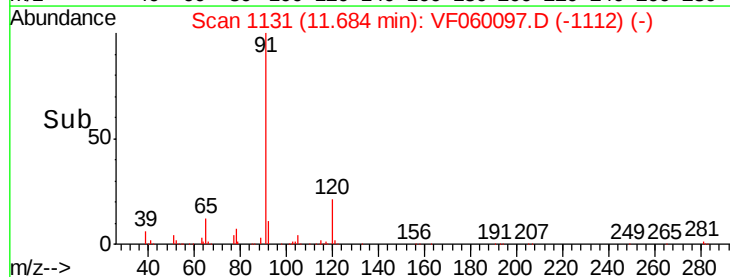
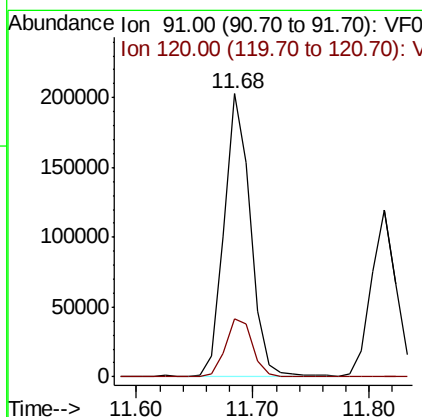
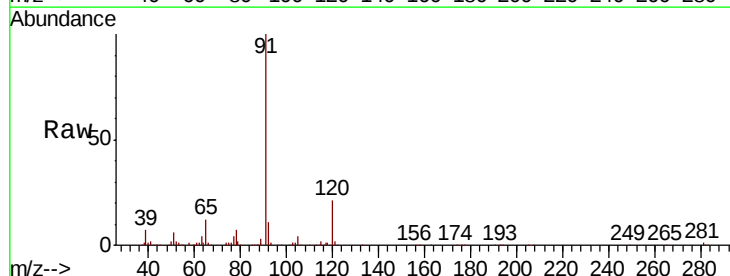
RT: 11.68 min Scan# 1131

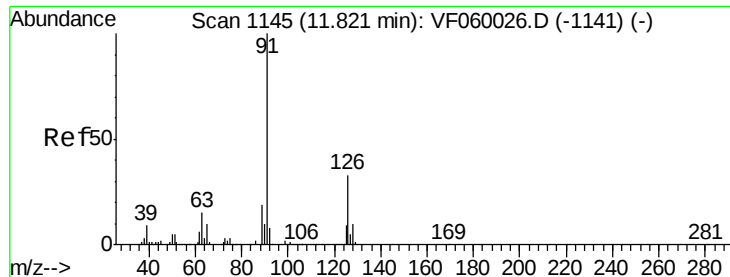
Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.7	10.9	32.7	





#79

2-Chlorotoluene

Concen: 23.53 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

ClientSampleId :

VF0824SBS01

Tot Ion: 91 Resp: 177740

Ion Ratio Lower Upper

91 100

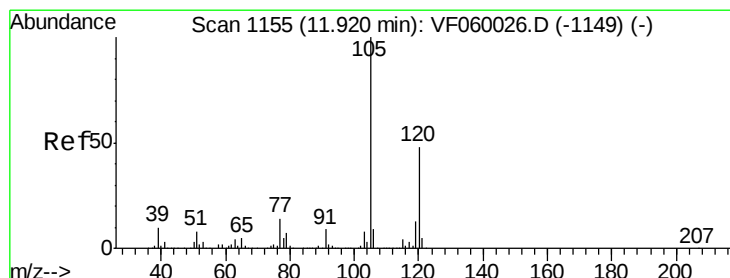
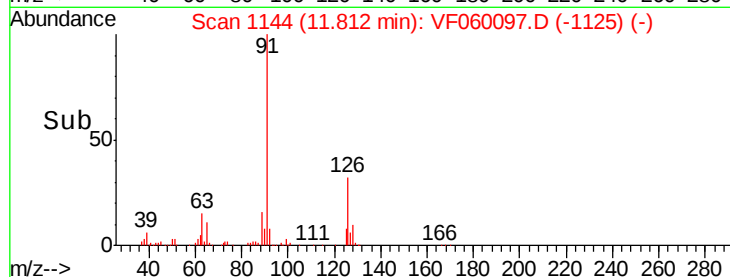
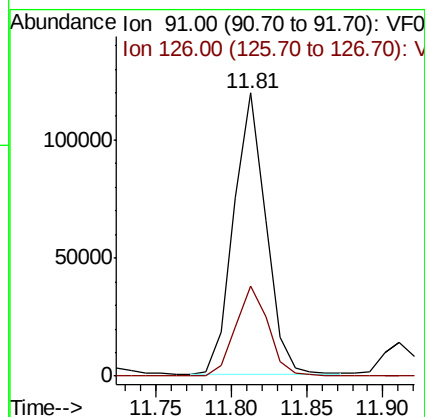
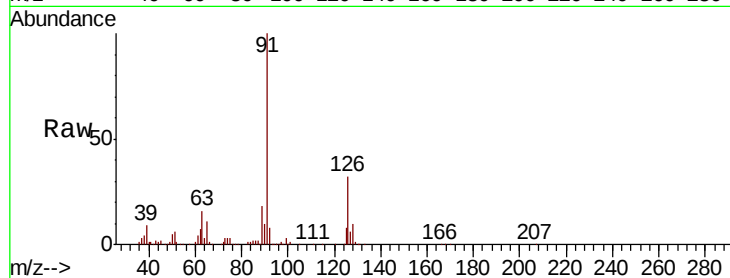
126 31.9 16.6 49.7

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#80

1,3,5-Trimethylbenzene

Concen: 23.26 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF060097.D

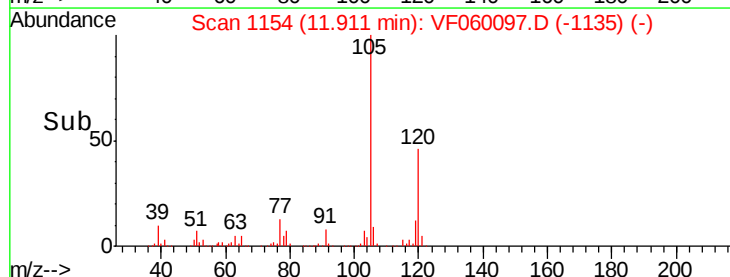
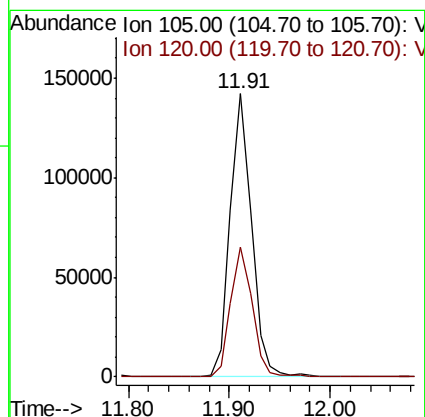
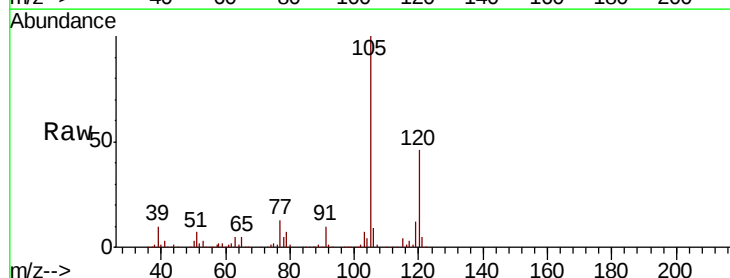
Acq: 24 Aug 2018 13:56

Tgt Ion:105 Resp: 210931

Ion Ratio Lower Upper

105 100

120 46.0 23.8 71.5





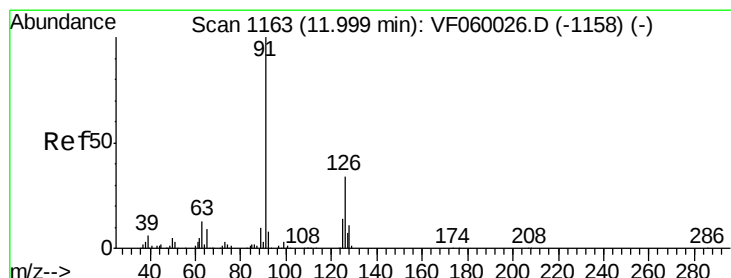
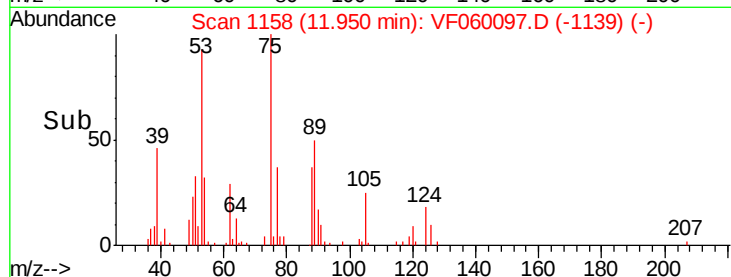
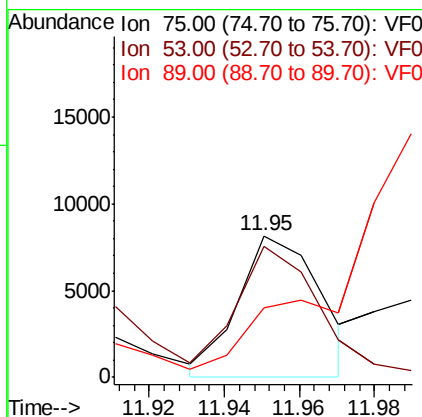
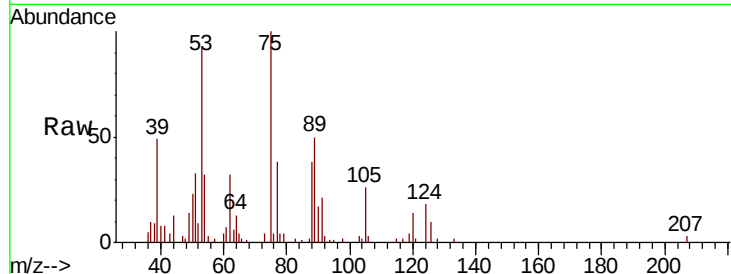
#81
trans-1,4-Dichloro-2-butene
Concen: 15.43 ug/l m
RT: 11.95 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.9	66.2	99.4
89	49.5	42.8	64.2

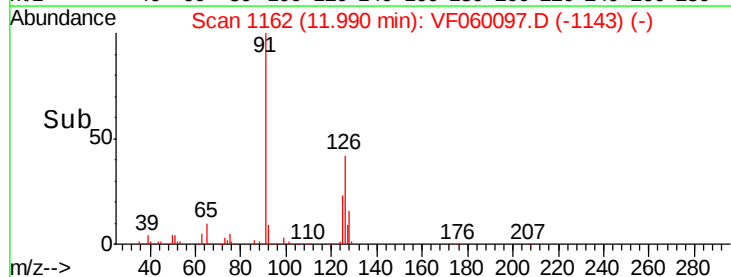
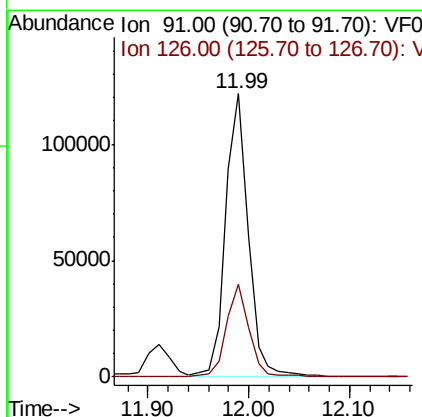
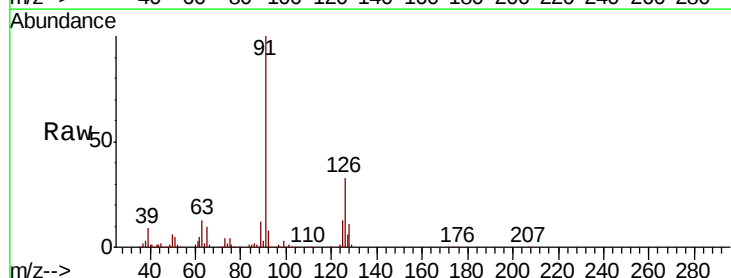
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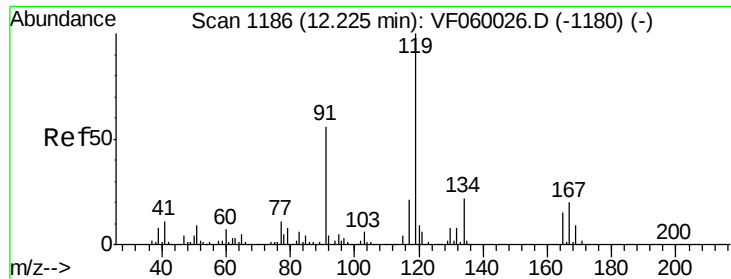
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#82
4-Chlorotoluene
Concen: 23.07 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	17.0	50.9





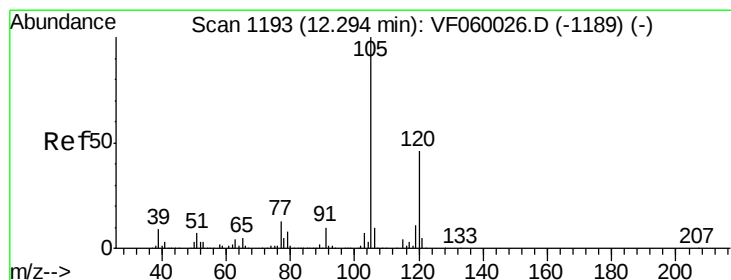
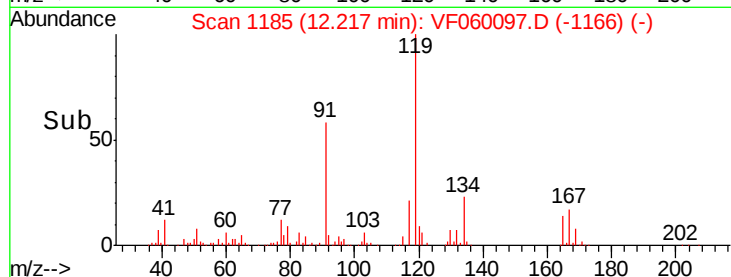
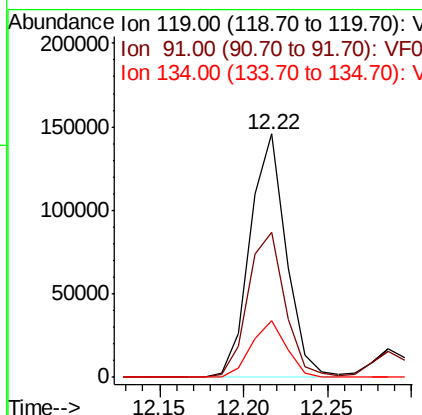
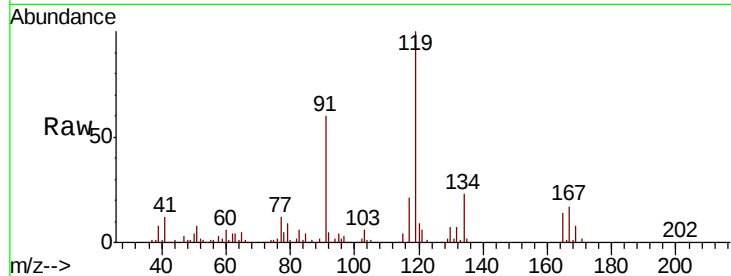
#83
 tert-Butylbenzene
 Concen: 24.63 ug/l
 RT: 12.22 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: VF060097.D
 Acq: 24 Aug 2018 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	217769		
91	59.8		28.1	84.3
134	23.2		11.1	33.3

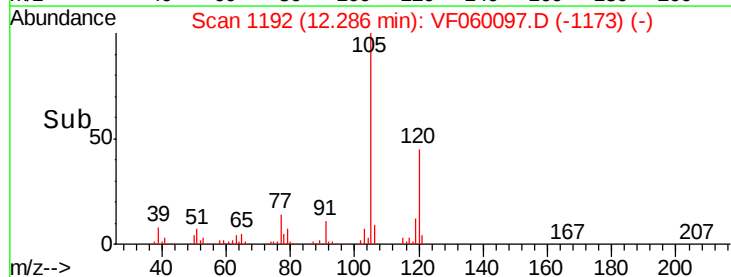
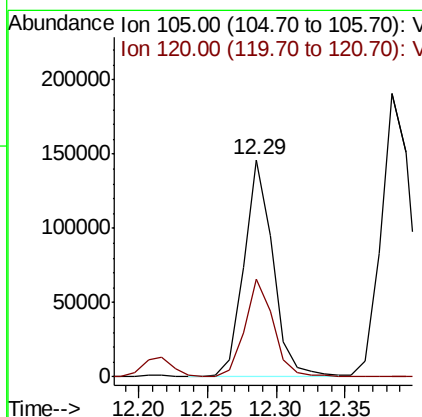
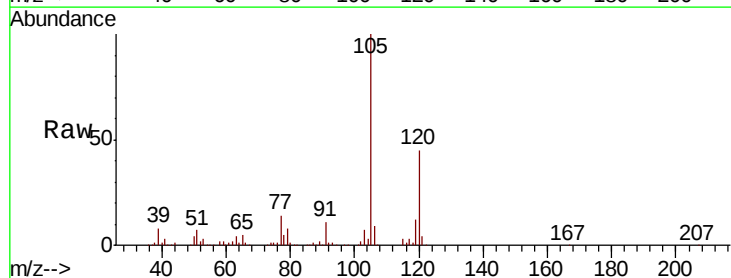
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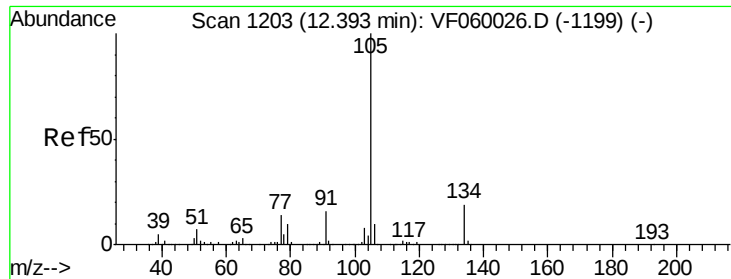
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.35 ug/l
 RT: 12.29 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060097.D
 Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	215432		
120	45.2		23.3	69.8





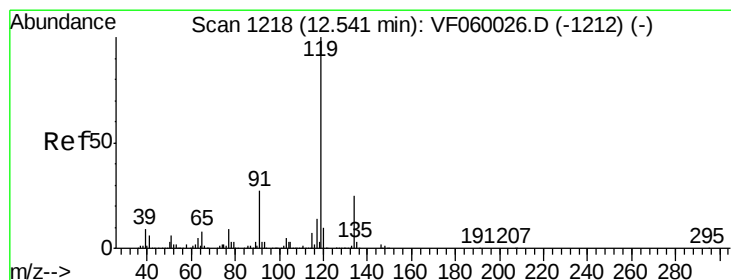
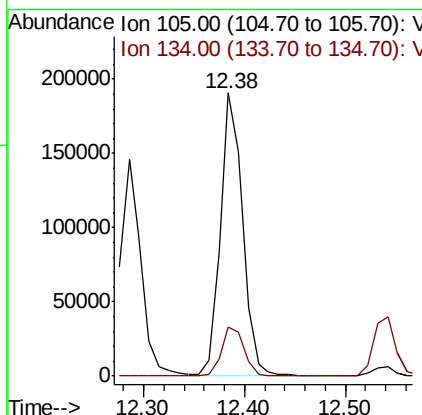
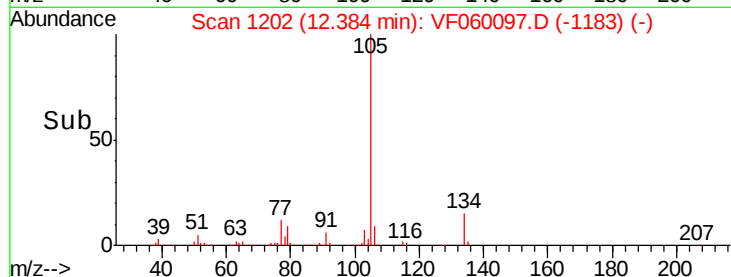
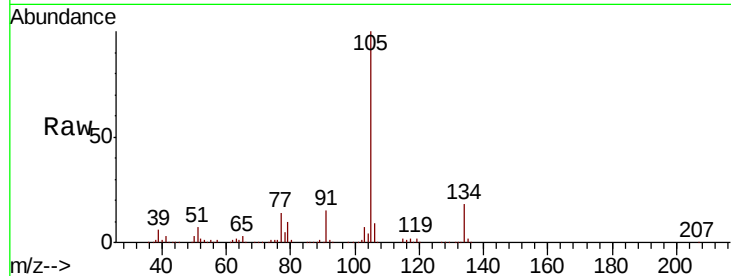
#85
 sec-Butylbenzene
 Concen: 23.73 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF060097.D
 Acq: 24 Aug 2018 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	292148		
134	17.6	9.3	27.9	

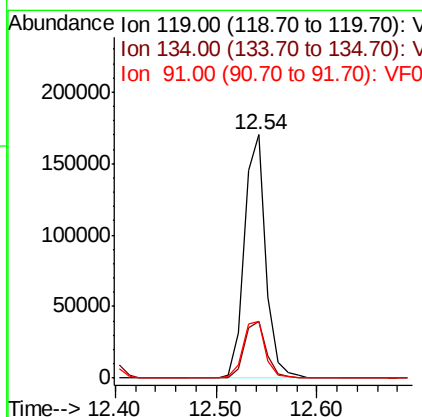
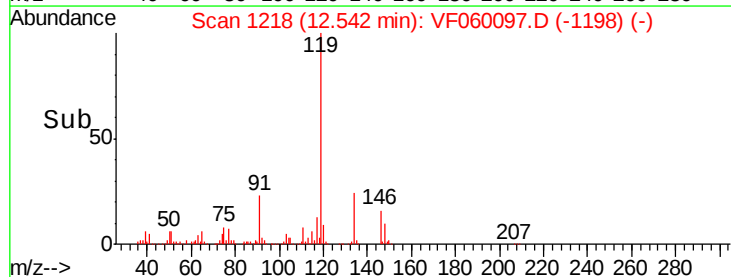
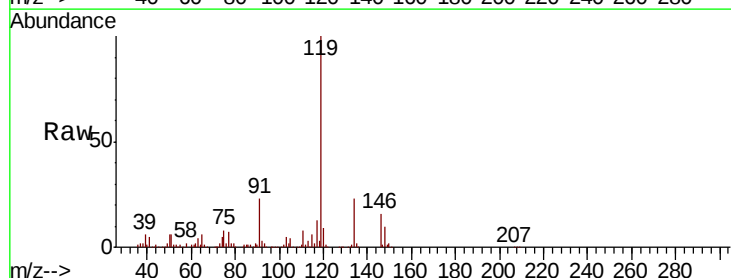
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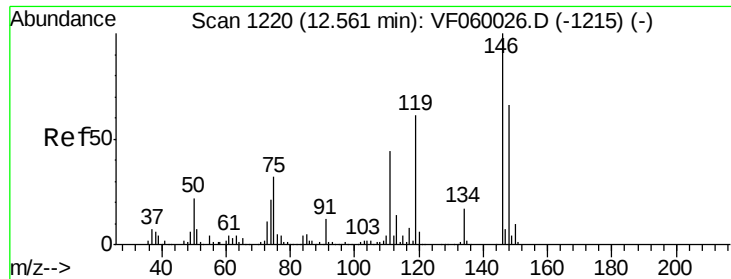
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#86
 p-Isopropyltoluene
 Concen: 24.56 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF060097.D
 Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	250812		
134	23.4	12.4	37.2	
91	23.1	13.5	40.4	





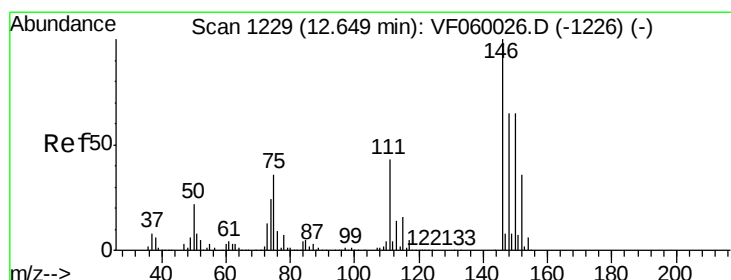
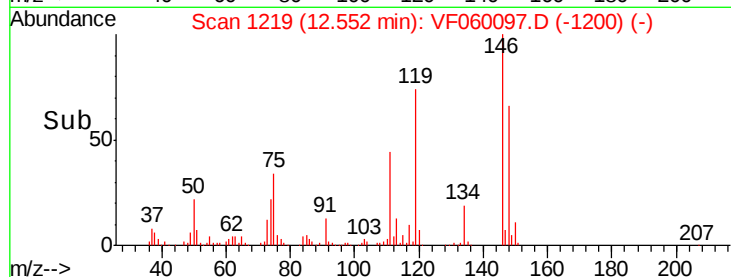
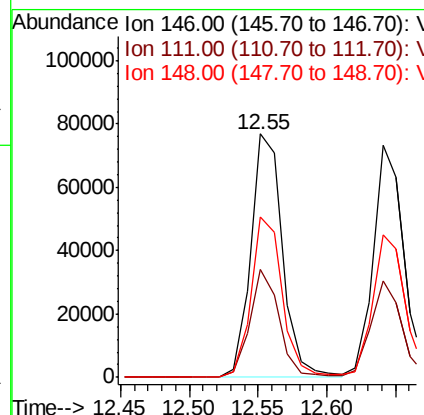
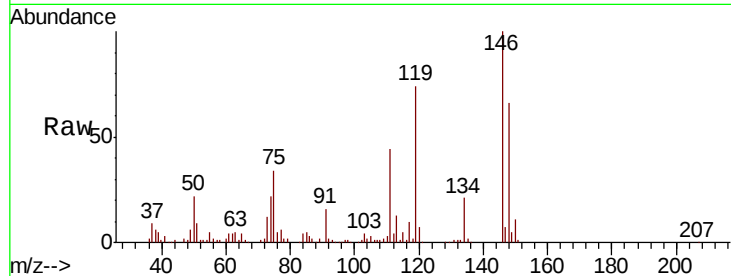
#87
 1,3-Dichlorobenzene
 Concen: 23.74 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF060097.D
 Acq: 24 Aug 2018 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	124255		
111	44.1	21.9	65.5	
148	66.1	32.9	98.7	

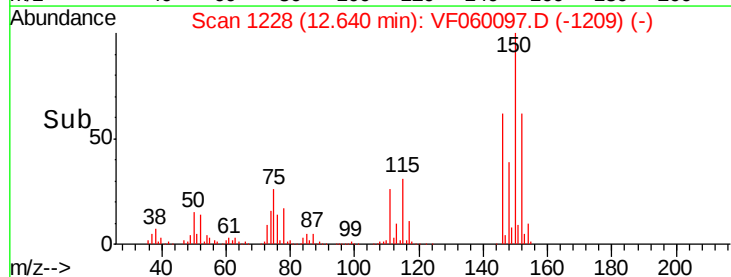
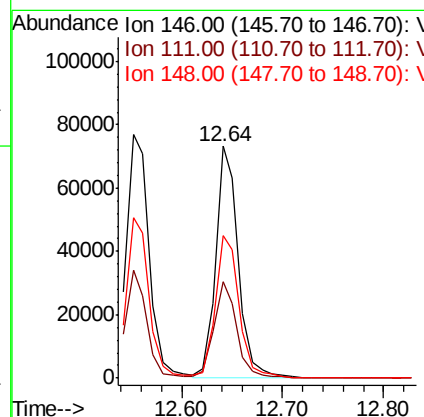
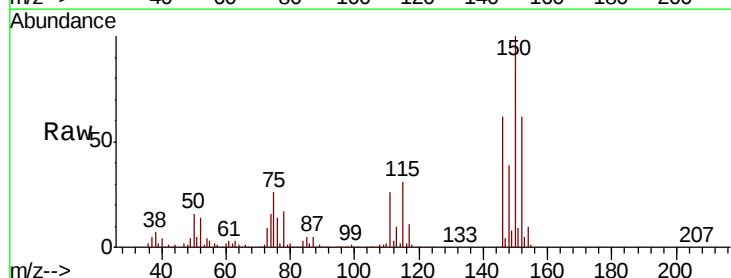
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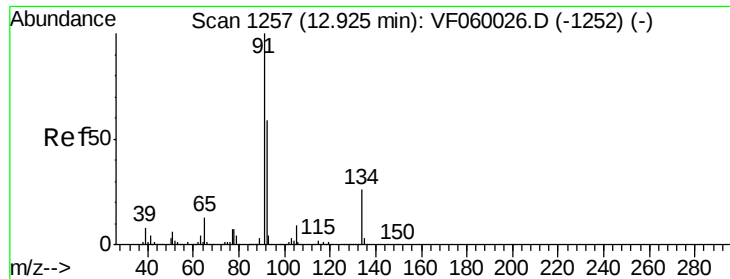
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 22.00 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF060097.D
 Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	114434		
111	41.5	21.6	64.8	
148	61.7	32.3	96.8	





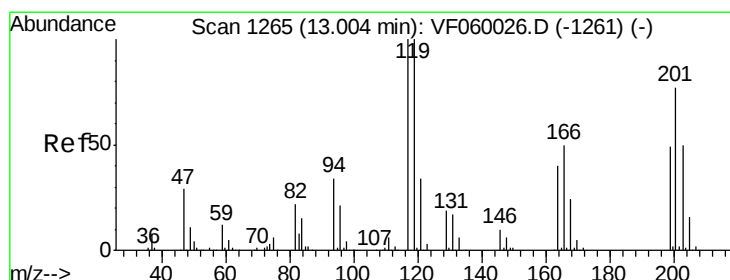
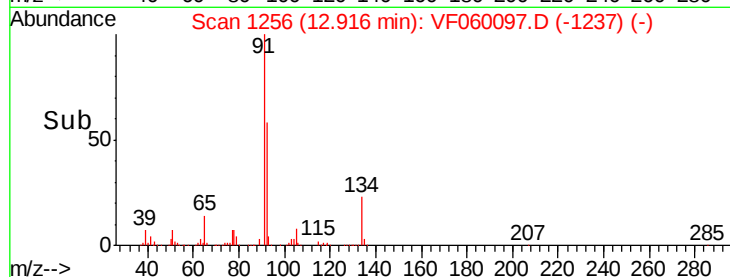
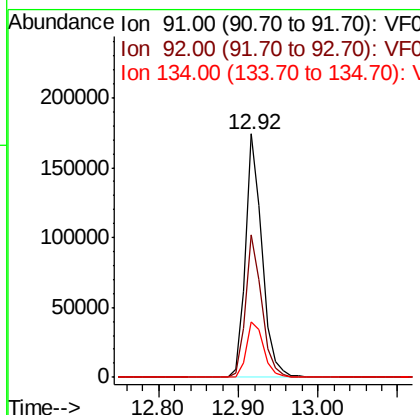
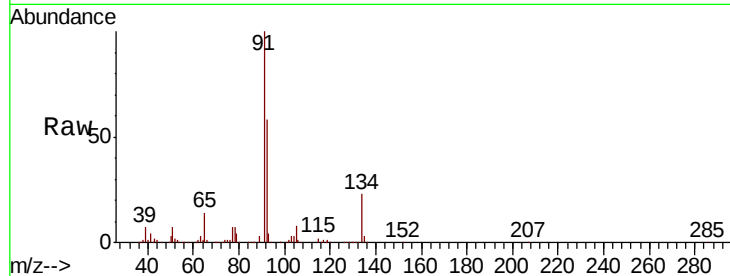
#89
n-Butylbenzene
Concen: 25.01 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	248184		
92	58.3	29.3	87.9	
134	22.6	12.8	38.3	

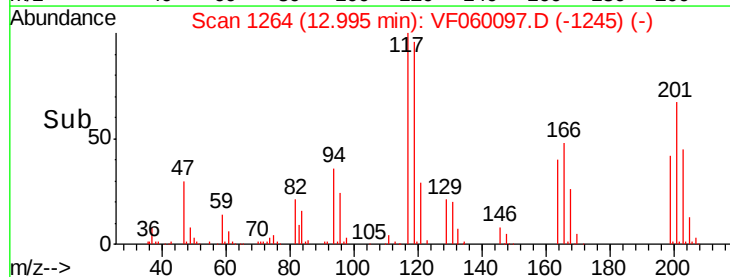
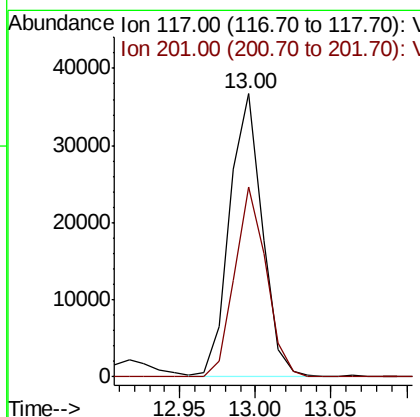
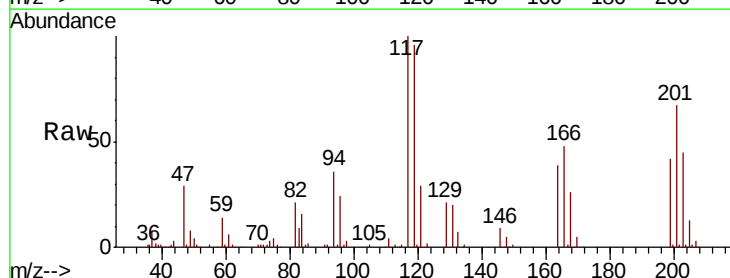
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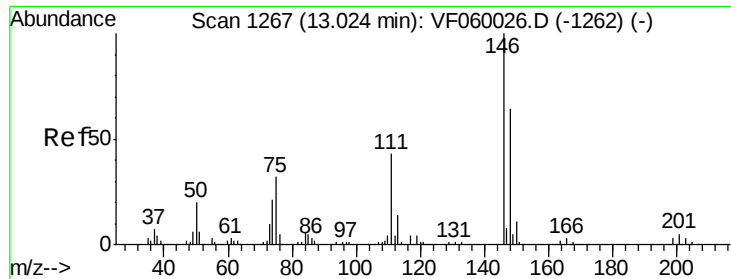
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#90
Hexachloroethane
Concen: 24.01 ug/l
RT: 13.00 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	55096		
201	67.0	38.6	115.8	





#91

1,2-Dichlorobenzene

Concen: 22.23 ug/l

RT: 13.02 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Instrument :

MSVOA_F

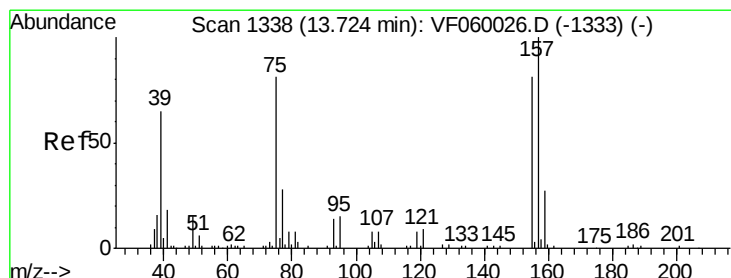
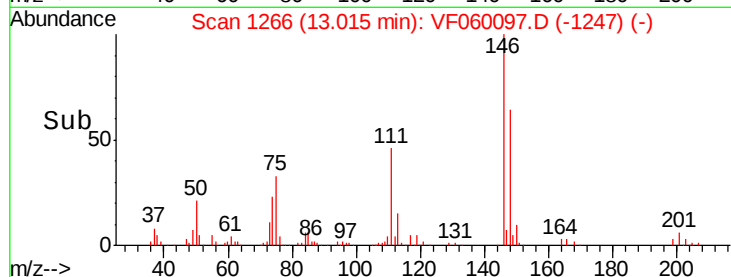
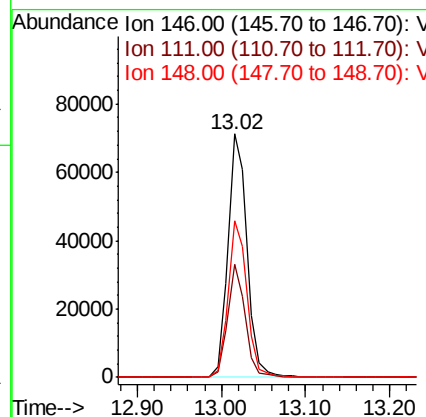
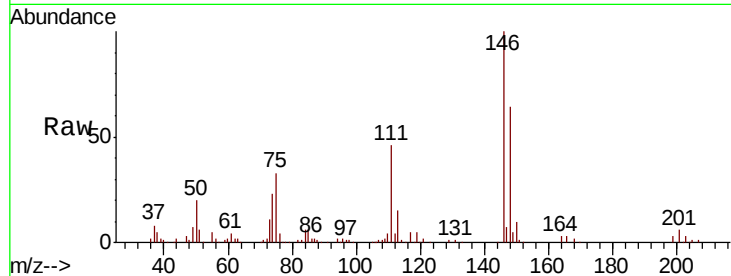
ClientSampleId :

VF0824SBS01

Tot Ion:	146	Resp:	111869
Ion Ratio	Lower	Upper	
146	100		
111	46.3	21.6	64.6
148	64.5	32.3	96.8

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#92

1,2-Dibromo-3-Chloropropane

Concen: 16.77 ug/l

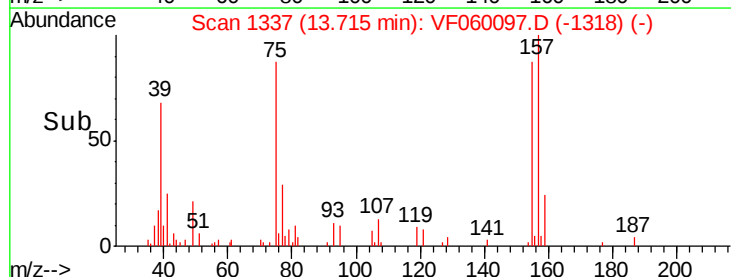
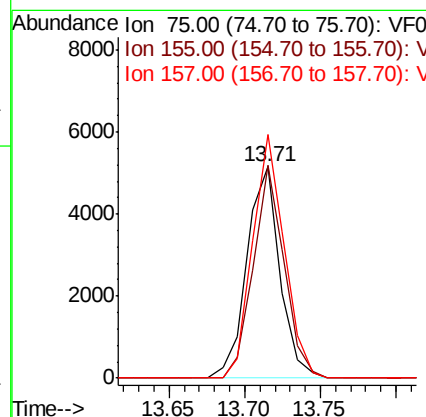
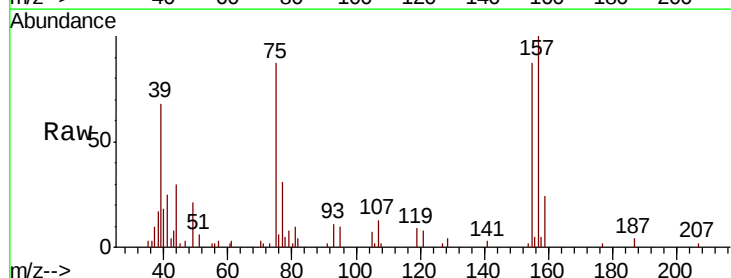
RT: 13.71 min Scan# 1337

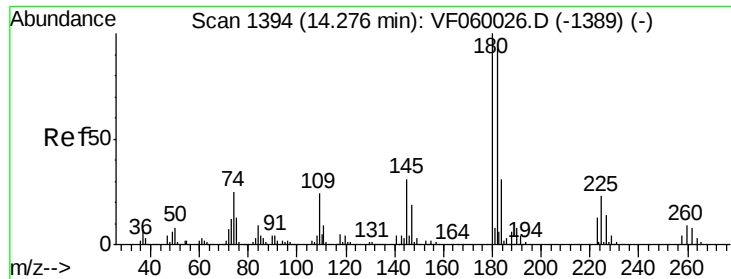
Delta R.T. -0.01 min

Lab File: VF060097.D

Acq: 24 Aug 2018 13:56

Tgt Ion:	75	Resp:	7791
Ion Ratio	Lower	Upper	
75	100		
155	106.1	49.8	149.3
157	115.1	61.6	184.7





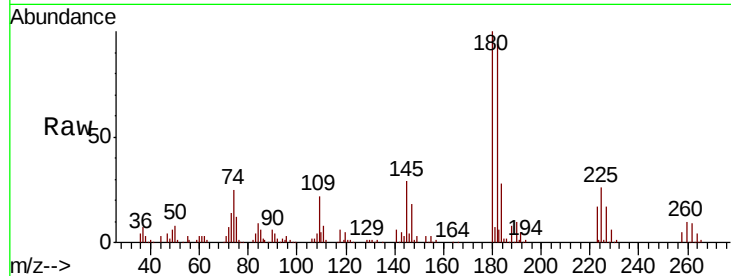
#93
 1,2,4-Trichlorobenzene
 Concen: 20.91 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF060097.D
 Acq: 24 Aug 2018 13:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0824SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	46.8	140.3
145	29.2	15.4	46.4

Manual Integrations
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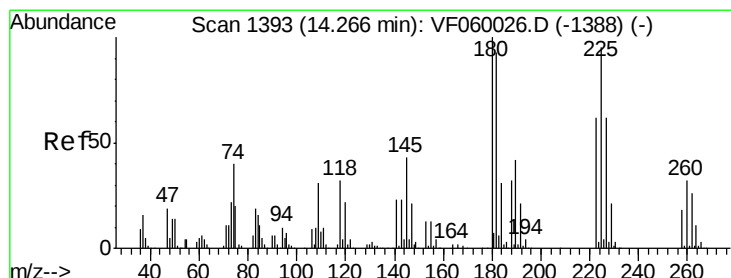
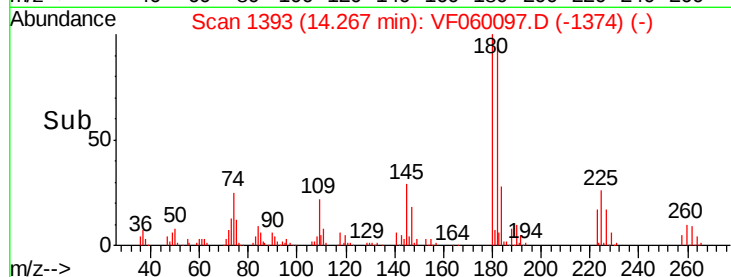
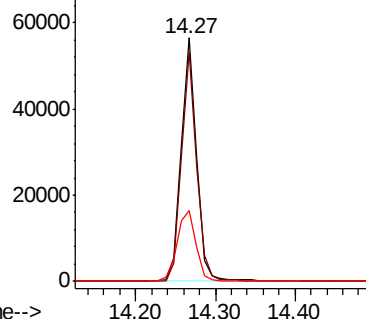


Abundance

Ion 180.00 (179.70 to 180.70): V

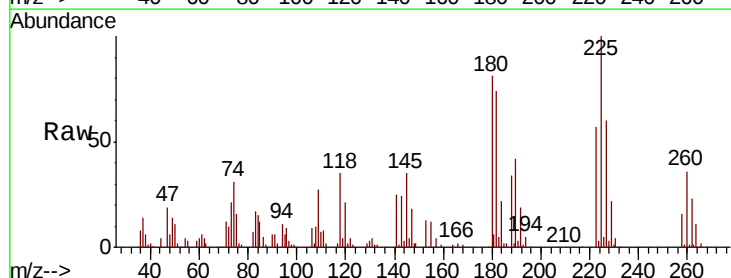
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 23.22 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF060097.D
 Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	56.9	32.6	97.8
227	62.3	33.0	98.9

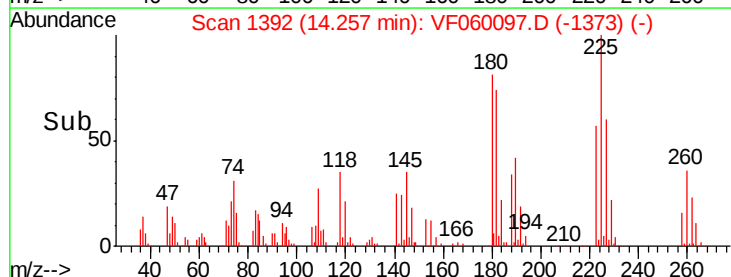
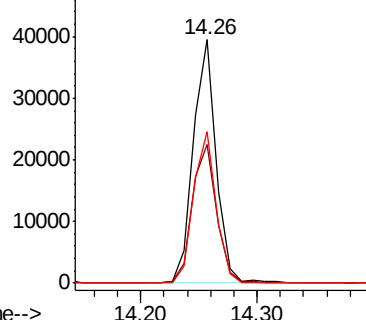


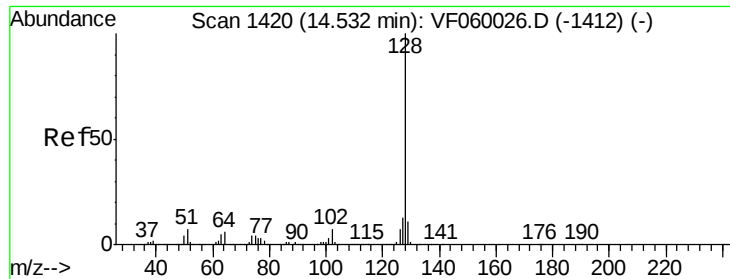
Abundance

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





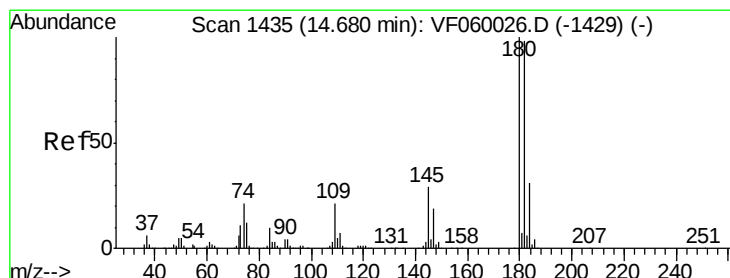
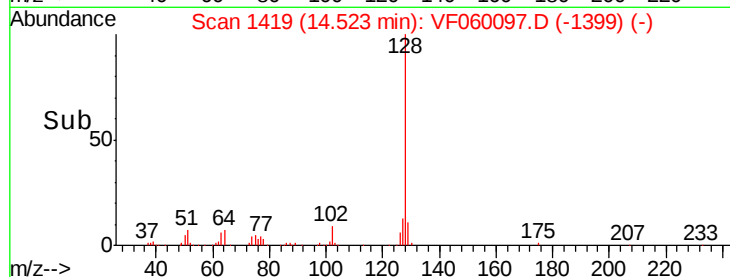
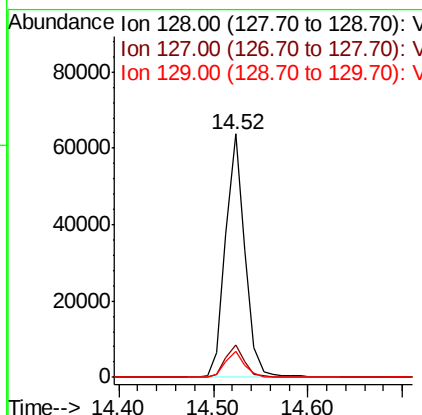
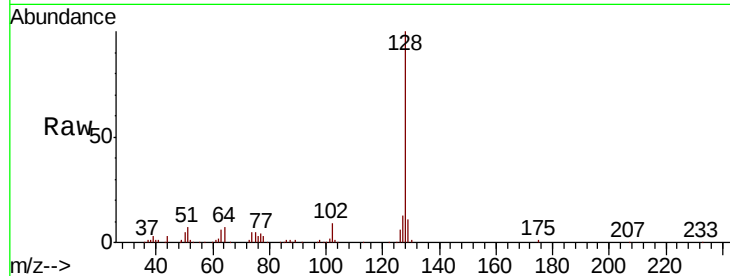
#95
Naphthalene
Concen: 15.78 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Instrument :
MSVOA_F
ClientSampleId :
VF0824SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	10.7	8.5	12.7

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#96
1,2,3-Trichlorobenzene
Concen: 19.34 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF060097.D
Acq: 24 Aug 2018 13:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.6	49.0	147.2
145	28.5	14.4	43.2

