

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102918\
 Data File : VF060532.D
 Acq On : 29 Oct 2018 16:56
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 10/30/2018 2:06:39 PM

Quant Time: Oct 30 04:48:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 04:16:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.05	168	308281	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	491589	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	405286	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	251221	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	47049	7.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	15.94%	
35) Dibromofluoromethane	4.31	113	48200	8.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.94%	
50) Toluene-d8	7.72	98	121042	10.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.42%	
62) 4-Bromofluorobenzene	11.52	95	53335	8.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.62%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.00	85	76617	9.641	ug/l	95
3) Chloromethane	1.15	50	39824	10.404	ug/l	96
4) Vinyl Chloride	1.20	62	41637	9.608	ug/l	97
5) Bromomethane	1.36	94	29691	6.989	ug/l	98
6) Chloroethane	1.44	64	20451	7.795	ug/l	91
7) Trichlorofluoromethane	1.54	101	92208	6.904	ug/l	89
8) Diethyl Ether	1.71	74	11383	8.769	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.91	101	47421	8.223	ug/l	94
10) Methyl Iodide	1.99	142	71165m	8.614	ug/l	
11) Tert butyl alcohol	2.70	59	11592	37.449	ug/l	99
12) 1,1-Dichloroethene	1.87	96	34771	8.293	ug/l	96
13) Acrolein	2.09	56	10285m	40.134	ug/l	
14) Allyl chloride	2.19	41	52657	7.826	ug/l	93
15) Acrylonitrile	3.08	53	24774	50.177	ug/l	96
16) Acetone	2.34	43	57516	41.601	ug/l	93
17) Carbon Disulfide	1.89	76	99869m	8.516	ug/l	
18) Methyl Acetate	2.46	43	12318	6.338	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	75167	7.208	ug/l	96
20) Methylene Chloride	2.28	84	39455m	9.323	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	37294	9.162	ug/l	97
22) Diisopropyl ether	2.93	45	98526	8.203	ug/l	98
23) Vinyl Acetate	3.35	43	180072	45.808	ug/l	98
24) 1,1-Dichloroethane	3.01	63	77262	8.557	ug/l	99
25) 2-Butanone	4.52	43	75890	68.404	ug/l	94
26) 2,2-Dichloropropane	3.77	77	49290	8.206	ug/l	99
27) cis-1,2-Dichloroethene	3.64	96	42987	10.626	ug/l	90
28) Bromochloromethane	3.90	49	26842	9.574	ug/l	99
29) Tetrahydrofuran	4.26	42	17961	41.346	ug/l #	86
30) Chloroform	4.05	83	96095	9.000	ug/l	96
31) Cyclohexane	3.87	56	57765	12.026	ug/l	87
32) 1,1,1-Trichloroethane	4.29	97	78332	8.079	ug/l #	92
36) 1,1-Dichloropropene	4.47	75	66785	9.365	ug/l	96
37) Ethyl Acetate	4.29	43	18527	7.876	ug/l #	75
38) Carbon Tetrachloride	4.19	117	79160m	7.625	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	70227	11.699	ug/l	97
40) Benzene	4.82	78	126551	10.435	ug/l	100
41) Methacrylonitrile	4.93	41	12434	10.269	ug/l #	83
42) 1,2-Dichloroethane	5.13	62	55883	7.552	ug/l	96
43) Isopropyl Acetate	7.13	43	19137	7.545	ug/l #	91
44) Trichloroethene	5.68	130	41761	10.047	ug/l	100
45) 1,2-Dichloropropane	6.42	63	32808	10.796	ug/l	98
46) Dibromomethane	6.26	93	23274	8.334	ug/l #	81
47) Bromodichloromethane	6.56	83	58421	7.573	ug/l #	97
48) Methyl methacrylate	6.89	41	15609	8.312	ug/l	91
49) 1,4-Dioxane	6.87	88	2971	179.616	ug/l #	63
51) 4-Methyl-2-Pentanone	8.41	43	89104	46.154	ug/l	90
52) Toluene	7.79	92	80343	10.062	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	44204	7.660	ug/l	98
54) cis-1,3-Dichloropropene	7.47	75	55242	9.143	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	22658	9.131	ug/l	90
56) Ethyl methacrylate	8.77	69	24797	9.147	ug/l	93
57) 1,3-Dichloropropane	9.01	76	38501	8.766	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.79	63	13955	39.886	ug/l	100
59) 2-Hexanone	9.63	43	56450	39.258	ug/l	88
60) Dibromochloromethane	8.88	129	34966	7.587	ug/l	99
61) 1,2-Dibromoethane	9.14	107	25742	8.774	ug/l	95
64) Tetrachloroethene	8.31	164	37840	10.839	ug/l	89
65) Chlorobenzene	9.95	112	84066	9.776	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.08	131	39196	9.126	ug/l	96
67) Ethyl Benzene	10.05	91	166388	9.619	ug/l	93
68) m/p-Xylenes	10.28	106	117383	21.434	ug/l	96
69) o-Xylene	10.84	106	65055	10.484	ug/l	90
70) Styrene	10.91	104	83767	9.654	ug/l	90
71) Bromoform	10.91	173	19403	8.387	ug/l #	83
73) Isopropylbenzene	11.23	105	208236	10.438	ug/l	94
74) N-amyl acetate	11.47	43	37353	10.312	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	32961	11.135	ug/l	91
76) 1,2,3-Trichloropropane	11.89	75	22985	9.139	ug/l	91
77) Bromobenzene	11.61	156	42699	10.175	ug/l	78
78) n-propylbenzene	11.69	91	243672	10.474	ug/l	94
79) 2-Chlorotoluene	11.82	91	144395	10.245	ug/l	92
80) 1,3,5-Trimethylbenzene	11.92	105	182578	10.456	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	9668m	9.152	ug/l	
82) 4-Chlorotoluene	12.00	91	151143	10.129	ug/l	95
83) tert-Butylbenzene	12.23	119	183717	10.557	ug/l	94
84) 1,2,4-Trimethylbenzene	12.30	105	185222	10.715	ug/l	97
85) sec-Butylbenzene	12.39	105	258774	10.959	ug/l	96
86) p-Isopropyltoluene	12.54	119	212534	10.643	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	90159	10.615	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	84537	10.337	ug/l	93
89) n-Butylbenzene	12.93	91	229953	10.809	ug/l	94
90) Hexachloroethane	13.01	117	52749	10.097	ug/l	91
91) 1,2-Dichlorobenzene	13.03	146	85549	10.507	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.73	75	6298	8.759	ug/l	83

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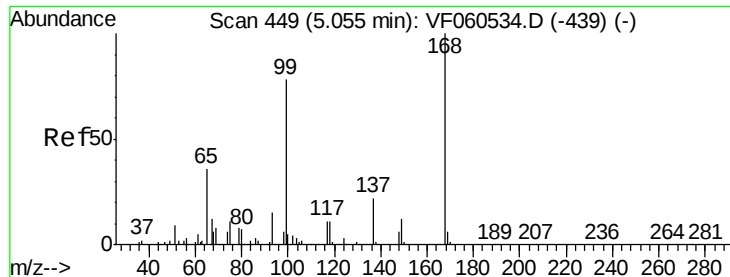
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	66484	10.202	ug/l	96
94) Hexachlorobutadiene	14.26	225	46621	9.708	ug/l	97
95) Naphthalene	14.53	128	106591	10.174	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	62878	10.475	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 448

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 308281

Ion Ratio Lower Upper

168 100

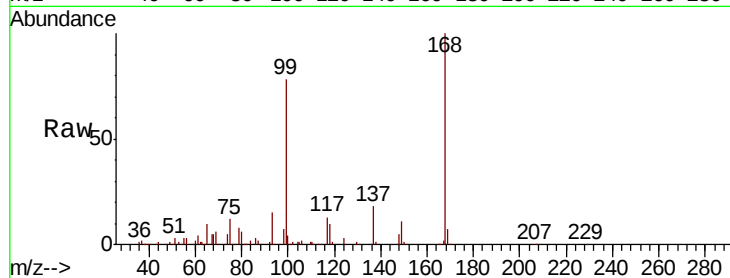
99 77.5 62.6 93.8

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

120000

100000

80000

60000

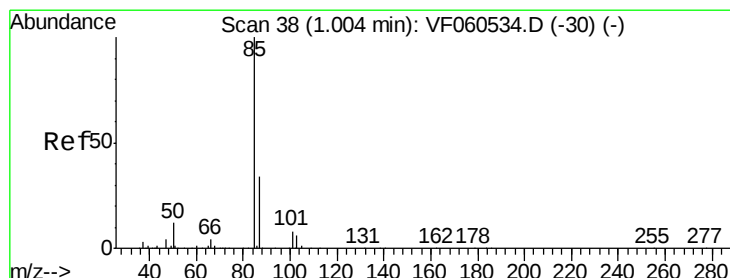
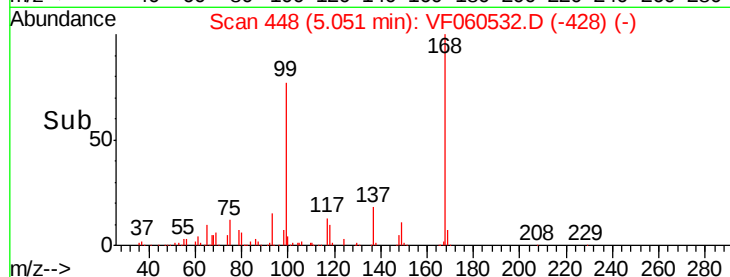
40000

20000

0

Time-->

4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 9.641 ug/l

RT: 1.00 min Scan# 37

Delta R.T. -0.00 min

Lab File: VF060532.D

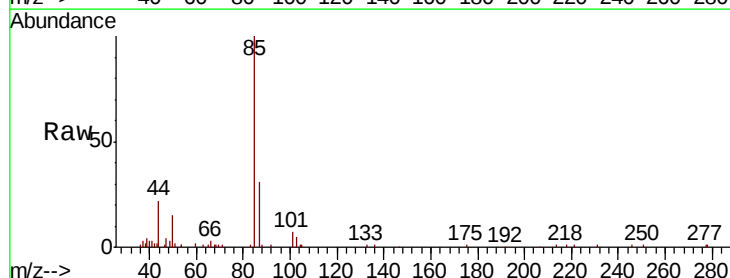
Acq: 29 Oct 2018 16:56

Tgt Ion: 85 Resp: 76617

Ion Ratio Lower Upper

85 100

87 30.7 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

25000

20000

15000

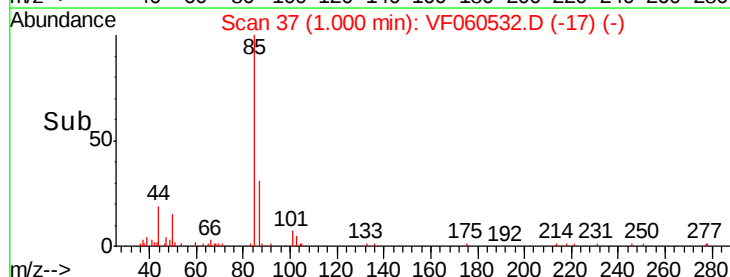
10000

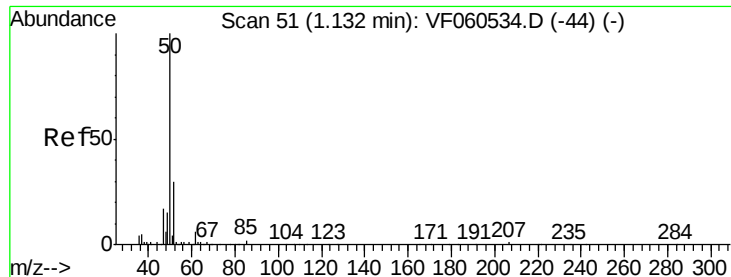
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 10.404 ug/l

RT: 1.15 min Scan# 52

Delta R.T. 0.02 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

ClientSampled :

VSTDIC010

Tot Ion: 50 Resp: 39824

Ion Ratio Lower Upper

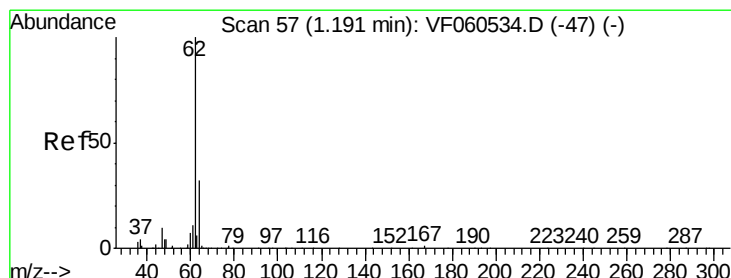
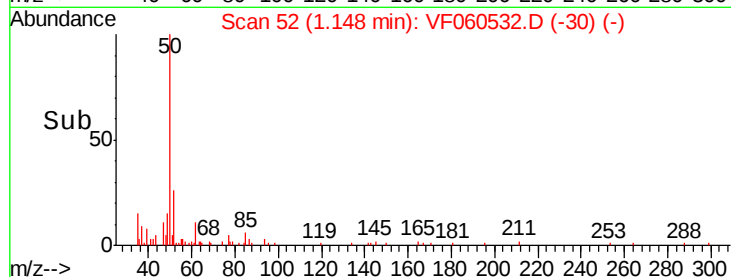
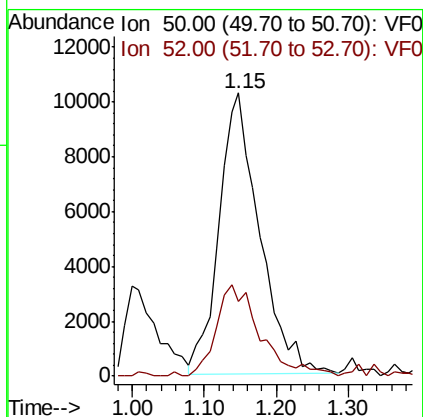
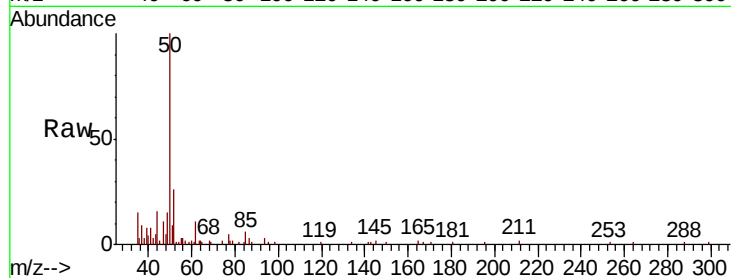
50 100

52 26.5 22.8 34.2

Manual Integrations
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#4

Vinyl Chloride

Concen: 9.608 ug/l

RT: 1.20 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF060532.D

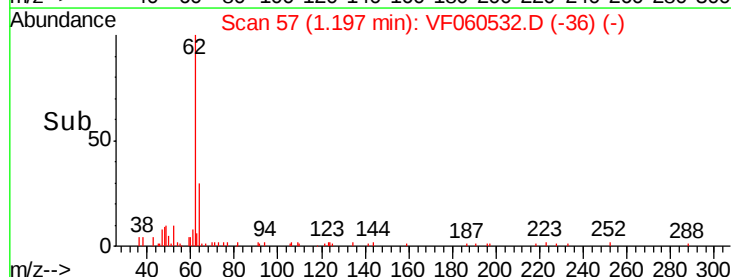
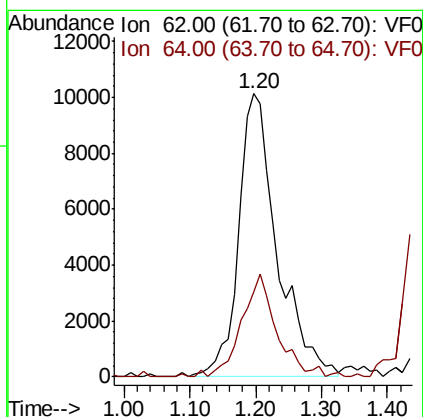
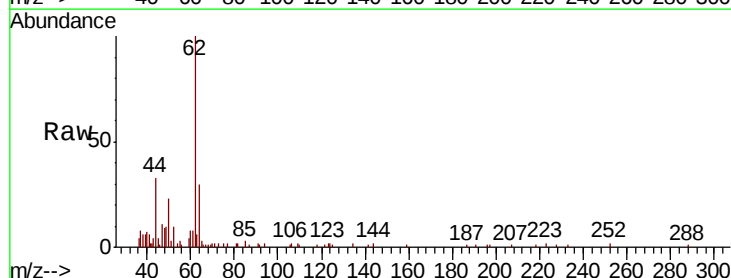
Acq: 29 Oct 2018 16:56

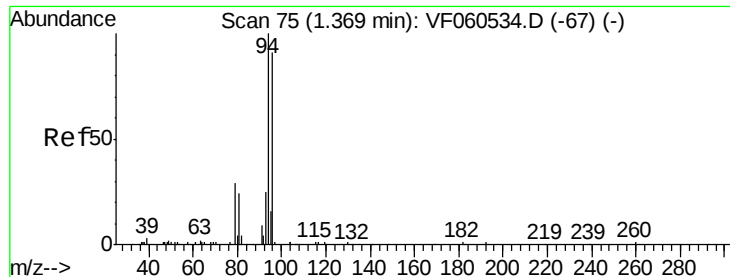
Tgt Ion: 62 Resp: 41637

Ion Ratio Lower Upper

62 100

64 30.1 25.3 37.9





#5

Bromomethane

Concen: 6.989 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 29691

Ion Ratio Lower Upper

94 100

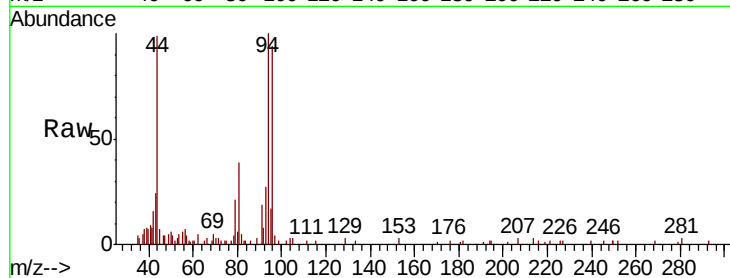
96 93.8 73.2 109.8

Manual Integrations

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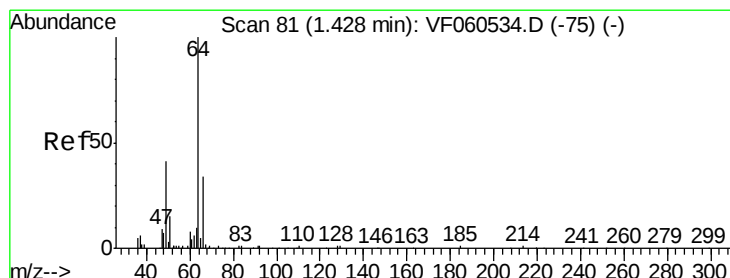
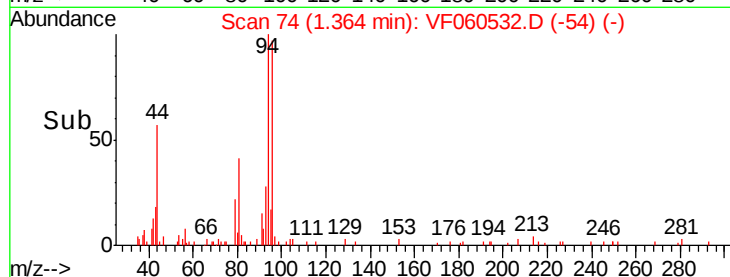
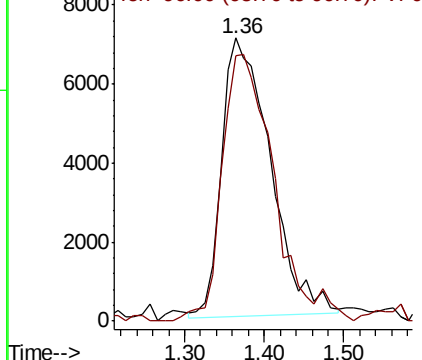
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 7.795 ug/l

RT: 1.44 min Scan# 82

Delta R.T. 0.02 min

Lab File: VF060532.D

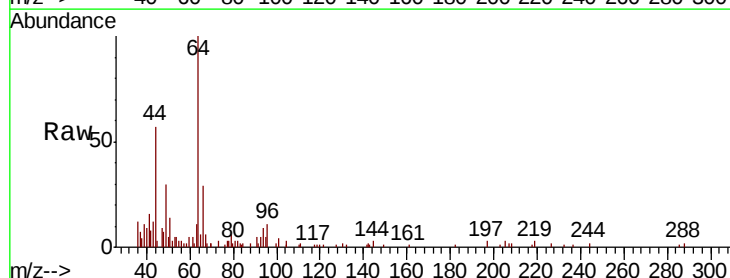
Acq: 29 Oct 2018 16:56

Tgt Ion: 64 Resp: 20451

Ion Ratio Lower Upper

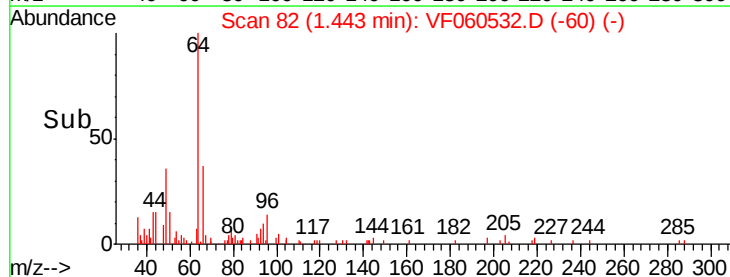
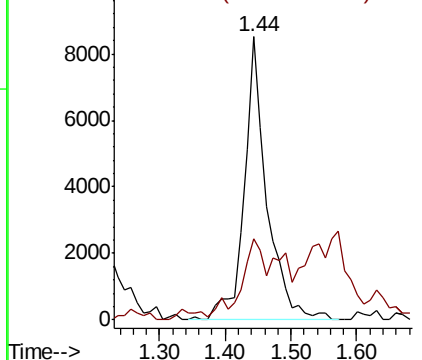
64 100

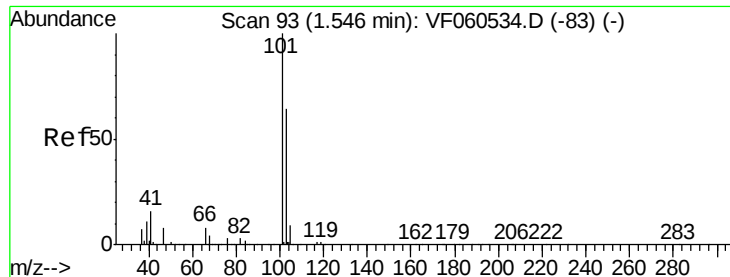
66 28.5 27.1 40.7



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 6.904 ug/l

RT: 1.54 min Scan# 92

Delta R.T. -0.00 min

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ClientSampleId :

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Tot Ion:101 Resp: 92208

Ion Ratio Lower Upper

101 100

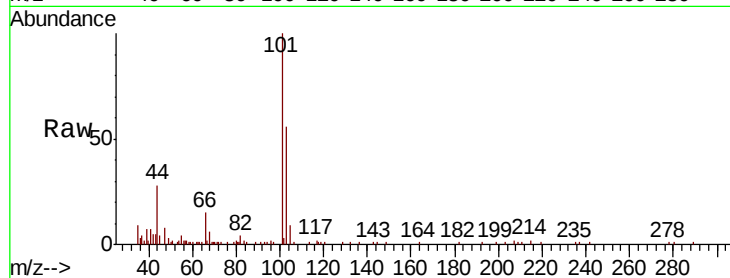
103 56.2 51.6 77.4

Manual Integrations

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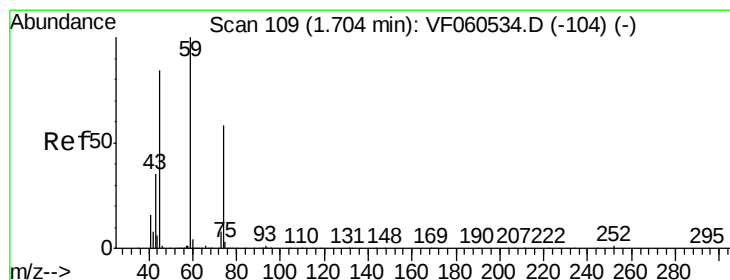
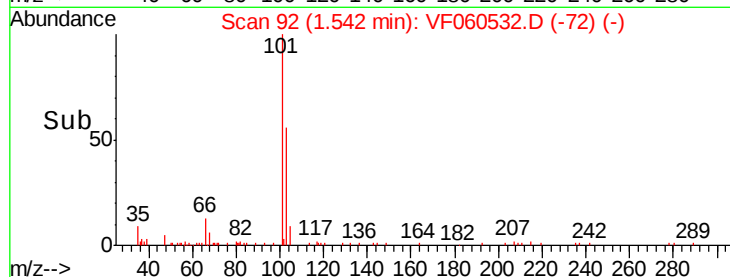
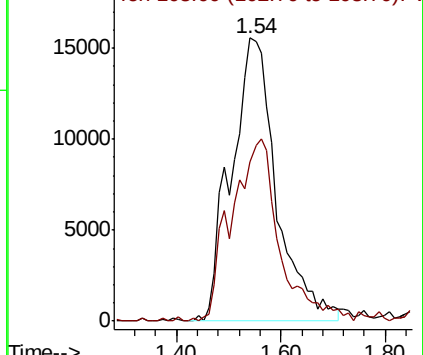
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 8.769 ug/l

RT: 1.71 min Scan# 109

Delta R.T. 0.01 min

Lab File: VF060532.D

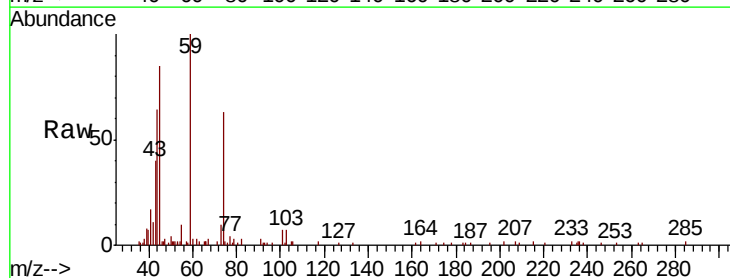
Acq: 29 Oct 2018 16:56

Tgt Ion: 74 Resp: 11383

Ion Ratio Lower Upper

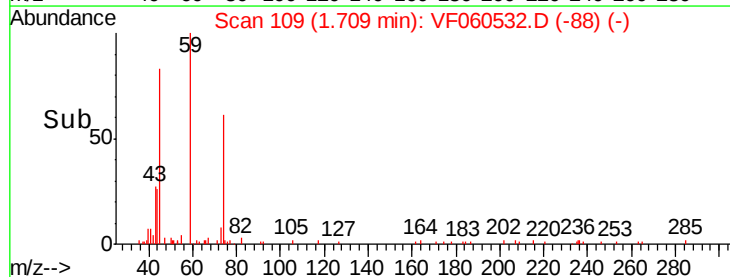
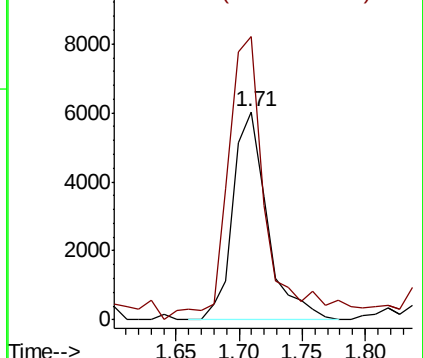
74 100

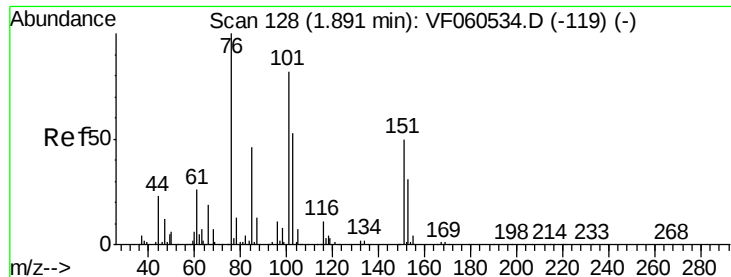
45 136.2 72.9 218.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 8.223 ug/l

RT: 1.91 min Scan# 129

Delta R.T. 0.02 min

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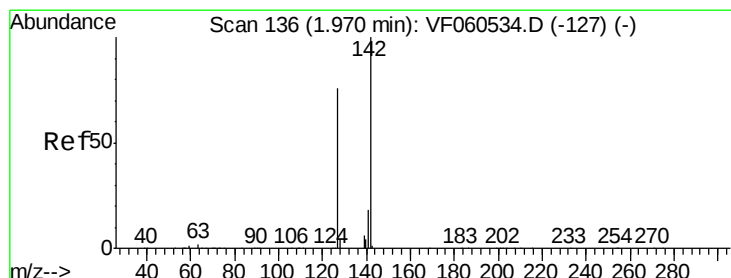
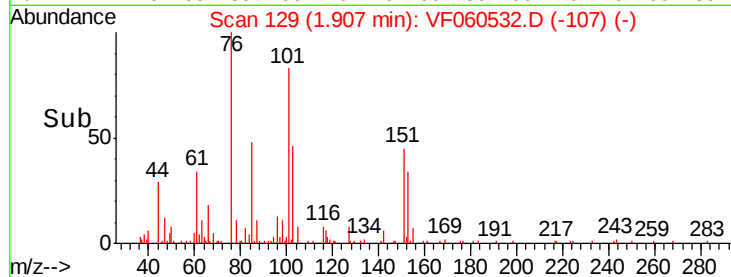
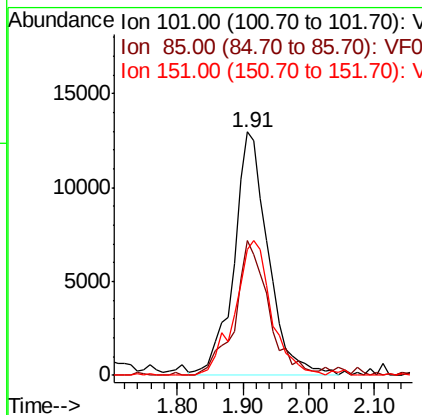
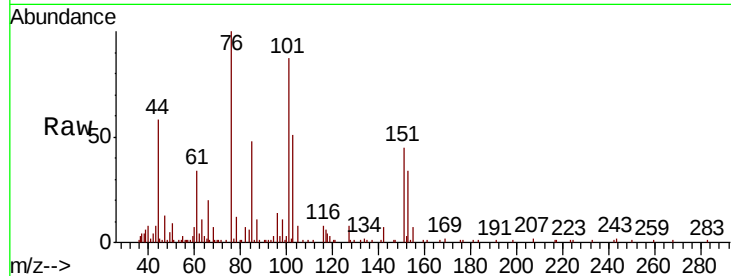
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	47421
Ion Ratio	Lower	Upper	
101	100		
85	55.1	44.6	67.0
151	51.8	48.4	72.6

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#10

Methyl Iodide

Concen: 8.614 ug/l m

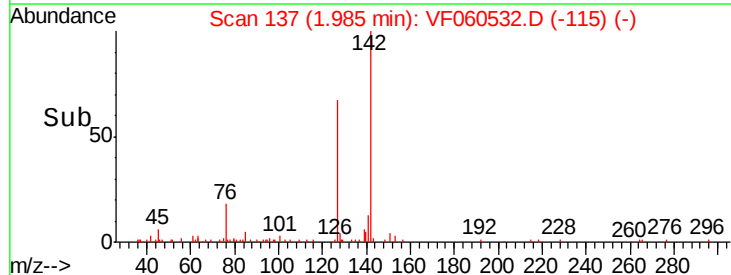
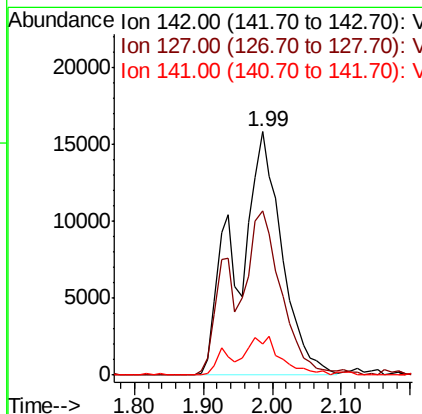
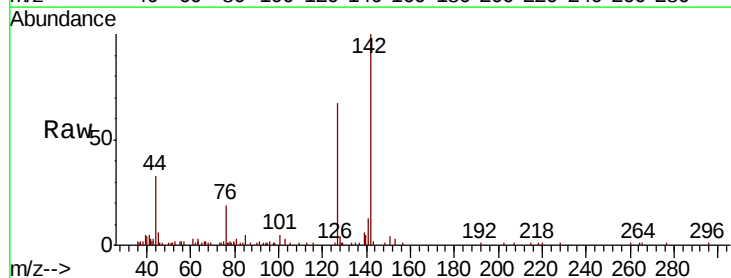
RT: 1.99 min Scan# 137

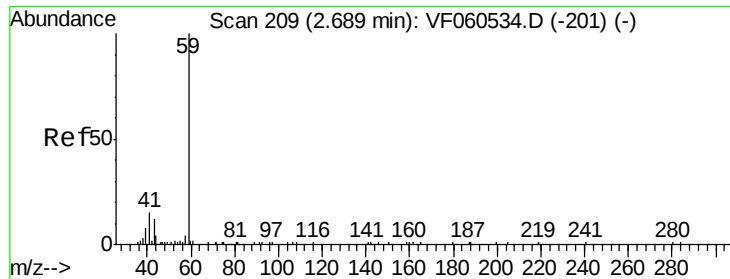
Delta R.T. 0.02 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Tgt Ion:	142	Resp:	71165
Ion Ratio	Lower	Upper	
142	100		
127	67.5	61.2	91.8
141	12.9	14.0	21.0#





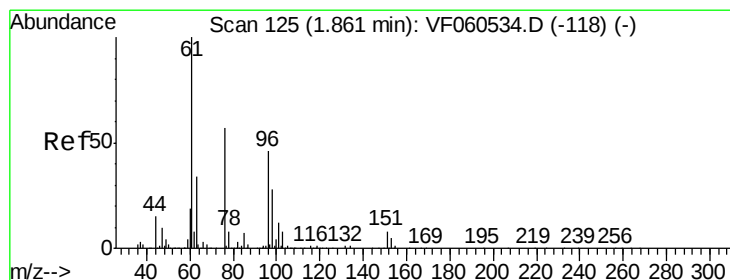
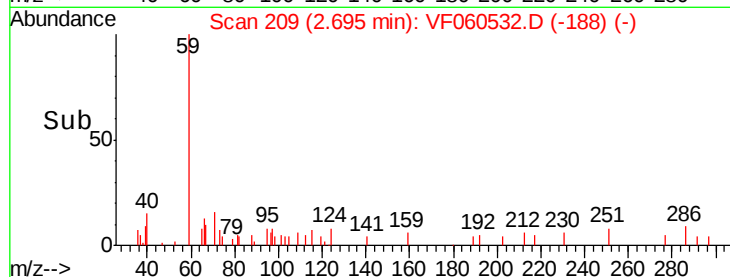
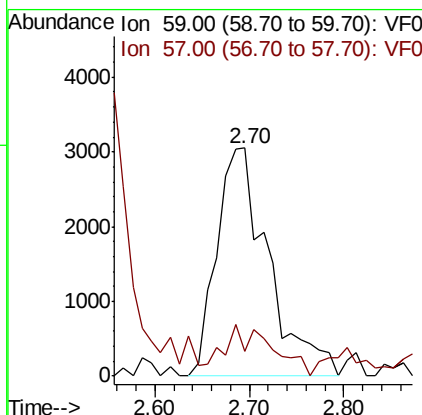
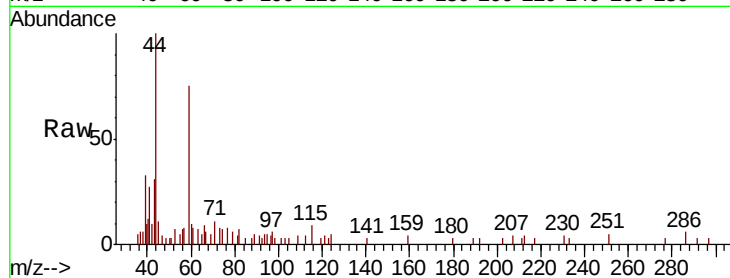
#11
Tert butyl alcohol
Concen: 37.449 ug/l
RT: 2.70 min Scan# 209
Delta R.T. 0.01 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.9	13.3

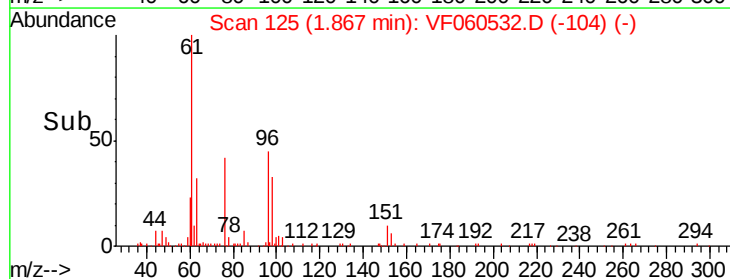
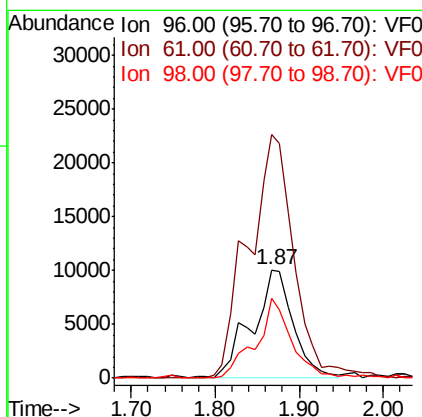
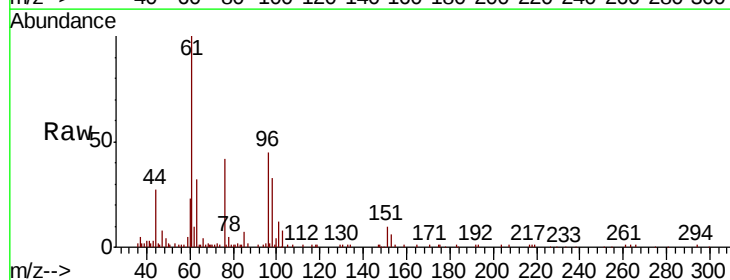
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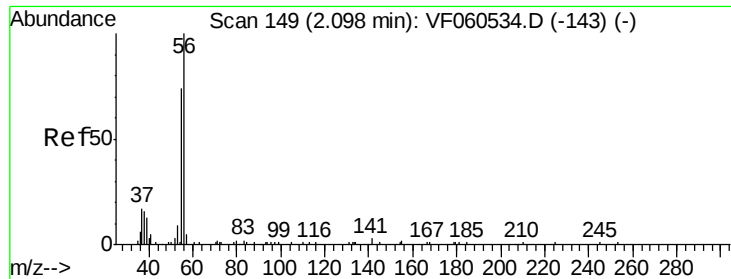
apatel
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#12
1,1-Dichloroethene
Concen: 8.293 ug/l
RT: 1.87 min Scan# 125
Delta R.T. 0.01 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	216.3	175.4	263.2
98	70.6	48.9	73.3





#13

Acrolein

Concen: 40.134 ug/l m

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 10285

Ion Ratio Lower Upper

56 100

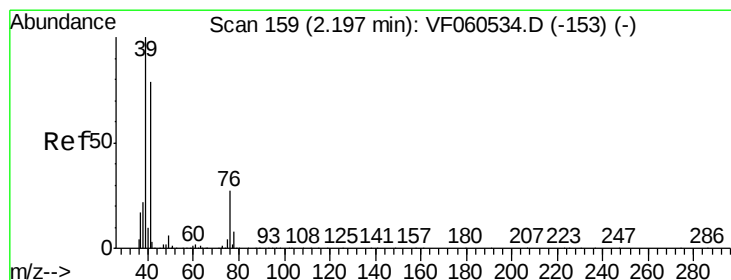
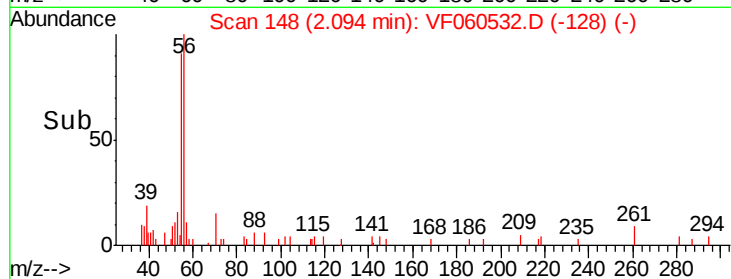
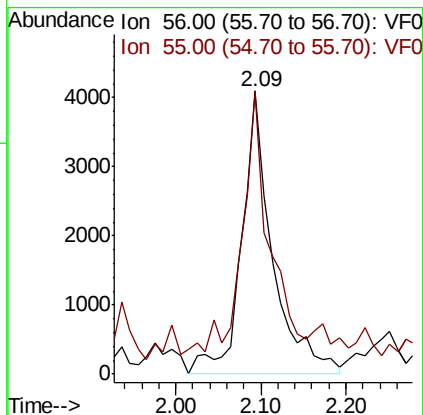
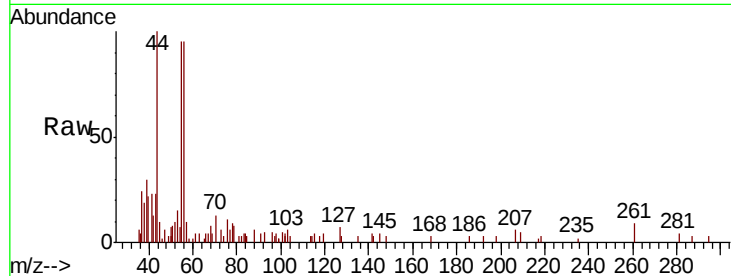
55 99.7 60.4 90.6#

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#14

Allyl chloride

Concen: 7.826 ug/l

RT: 2.19 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

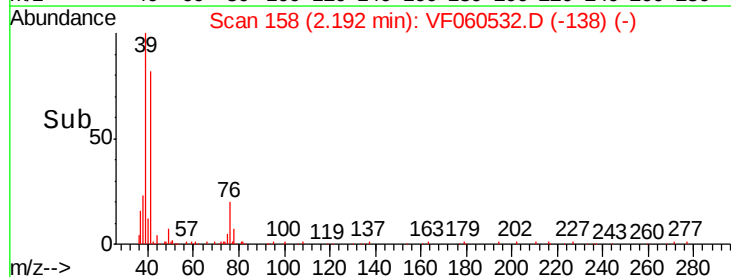
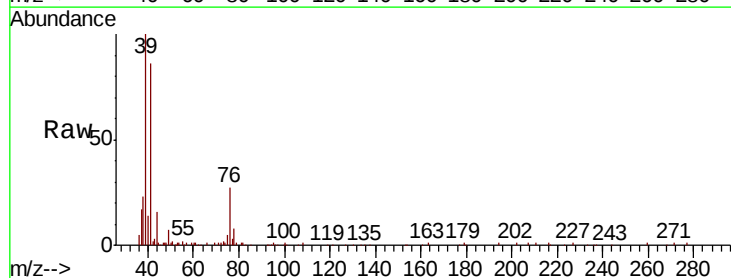
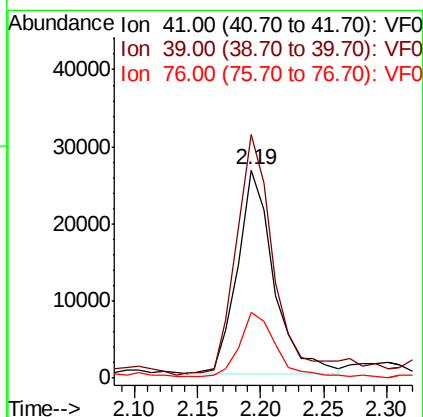
Tgt Ion: 41 Resp: 52657

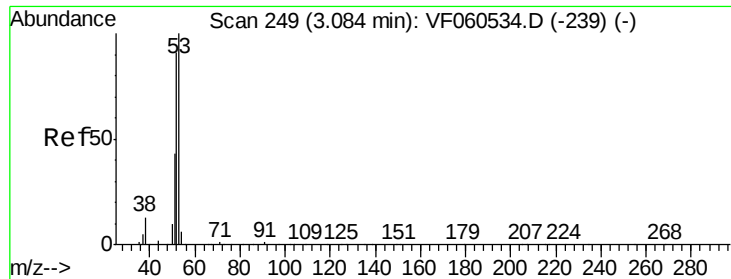
Ion Ratio Lower Upper

41 100

39 116.9 100.6 151.0

76 31.4 27.6 41.4





#15

Acrylonitrile

Concen: 50.177 ug/l

RT: 3.08 min Scan# 248

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

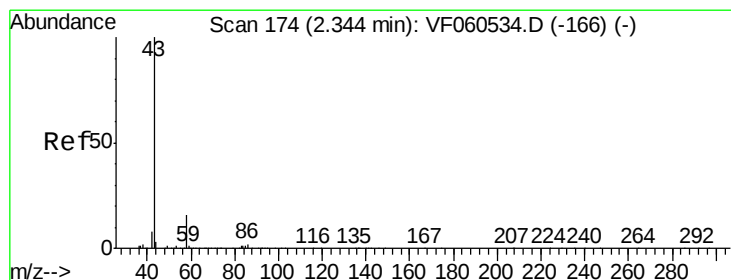
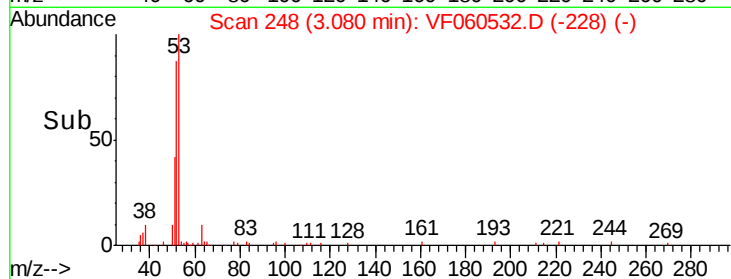
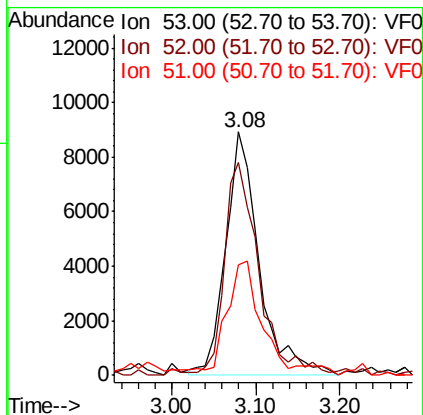
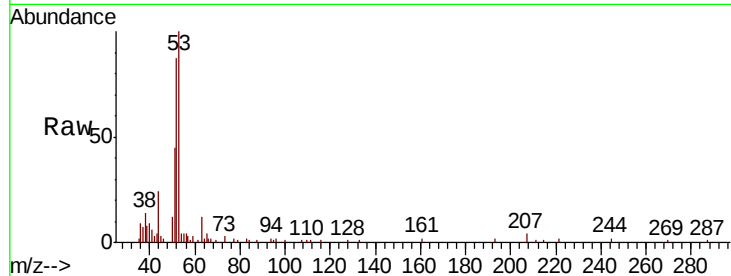
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	24774
Ion	Ratio	Lower	Upper
53	100		
52	87.4	73.2	109.8
51	45.3	35.0	52.4

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#16

Acetone

Concen: 41.601 ug/l

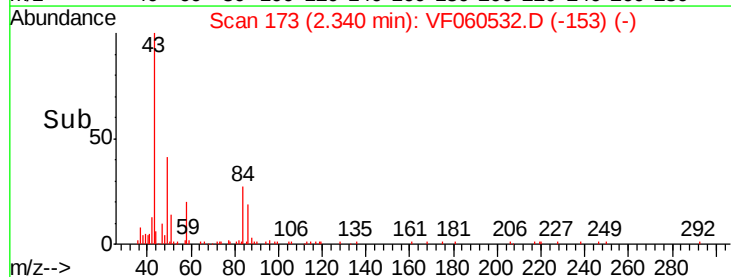
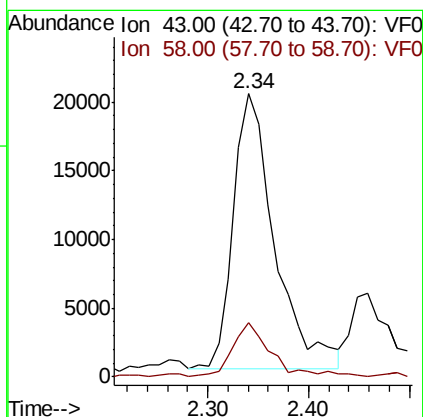
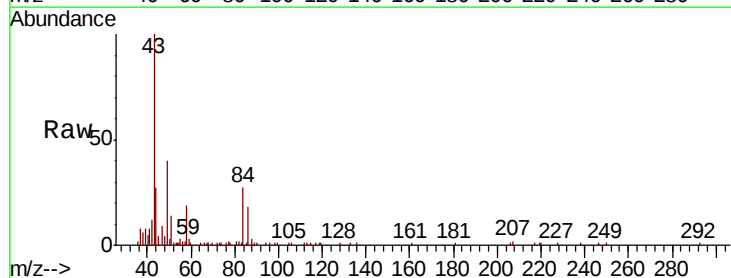
RT: 2.34 min Scan# 173

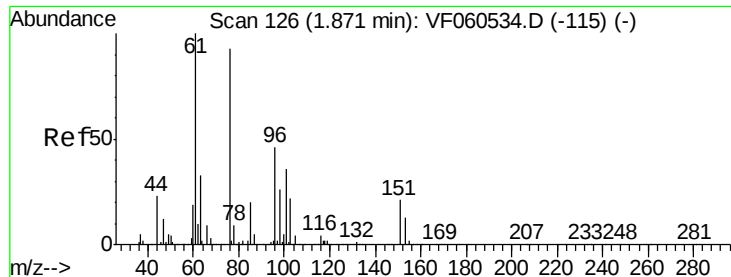
Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Tgt Ion:	43	Resp:	57516
Ion	Ratio	Lower	Upper
43	100		
58	19.1	12.8	19.2





#17

Carbon Disulfide

Concen: 8.516 ug/l m

RT: 1.89 min Scan# 127

Delta R.T. 0.02 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 99869

Ion Ratio Lower Upper

76 100

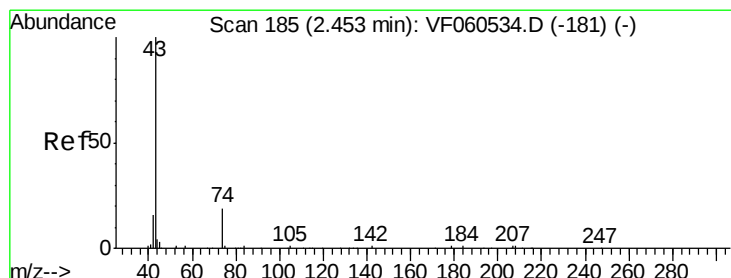
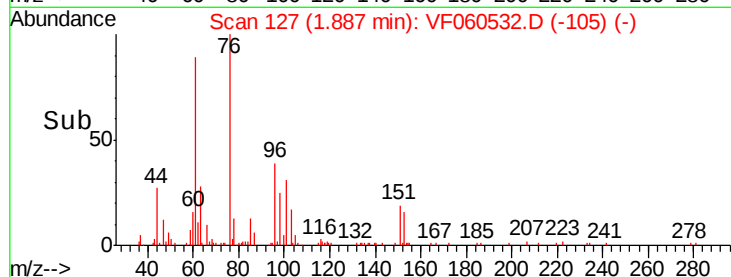
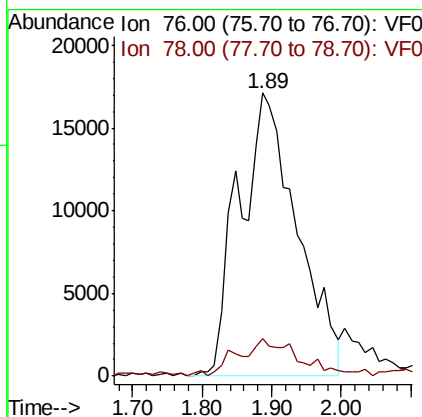
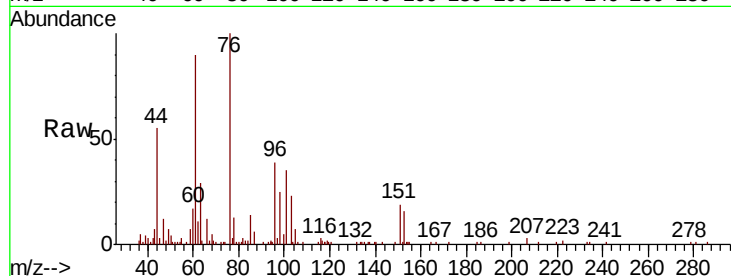
78 13.4 8.0 12.0#

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#18

Methyl Acetate

Concen: 6.338 ug/l

RT: 2.46 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF060532.D

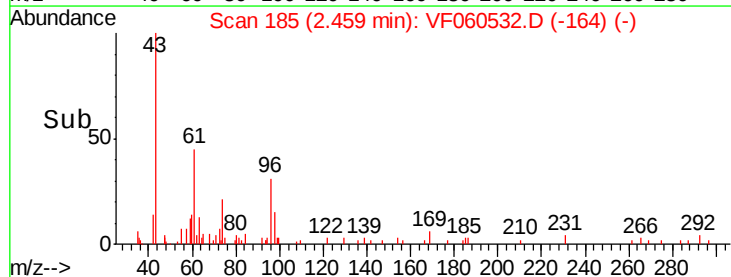
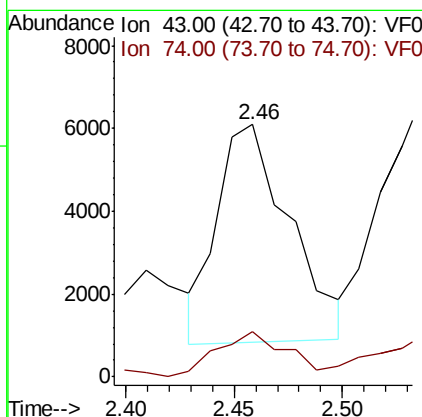
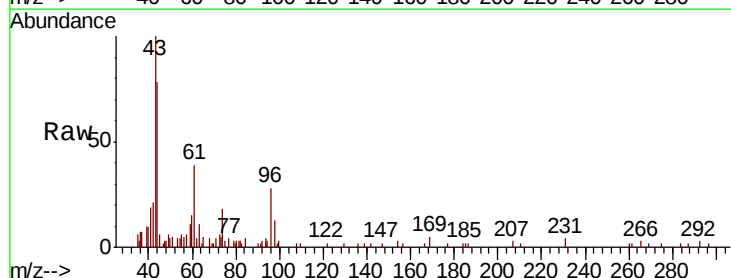
Acq: 29 Oct 2018 16:56

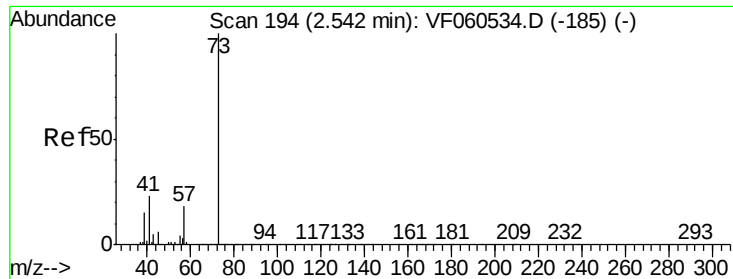
Tgt Ion: 43 Resp: 12318

Ion Ratio Lower Upper

43 100

74 18.2 13.5 20.3





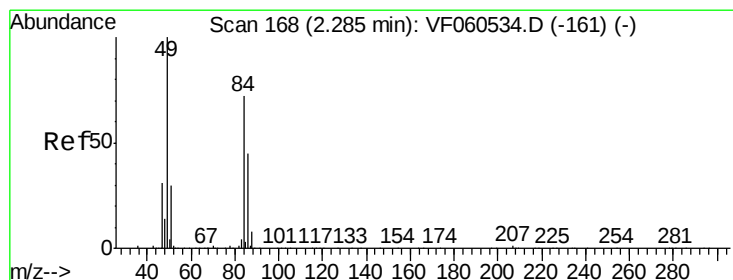
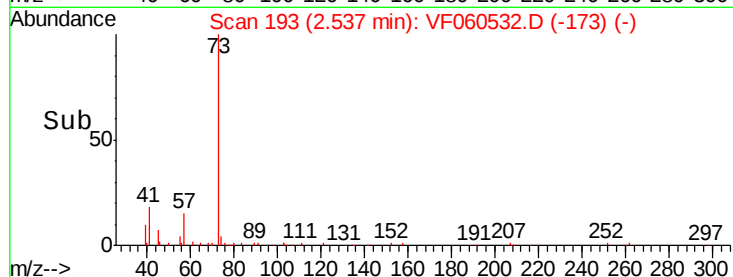
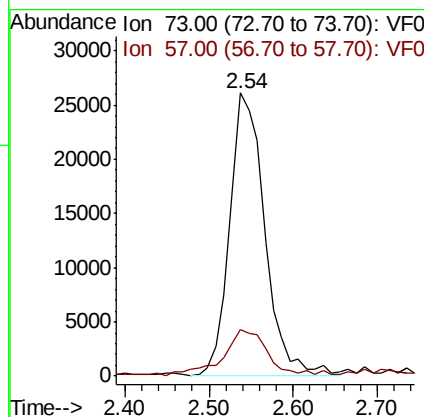
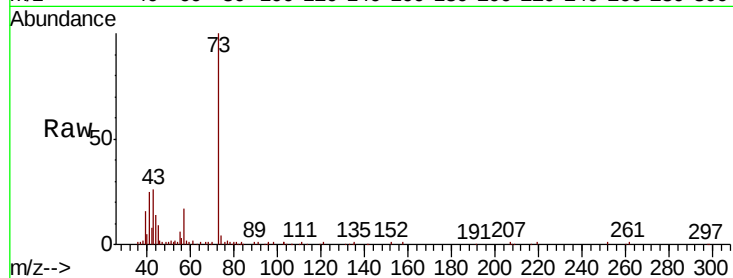
#19
Methyl tert-butyl Ether
Concen: 7.208 ug/l
RT: 2.54 min Scan# 193
Delta R.T. -0.00 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 75167
Ion Ratio Lower Upper
73 100
57 16.6 14.7 22.1

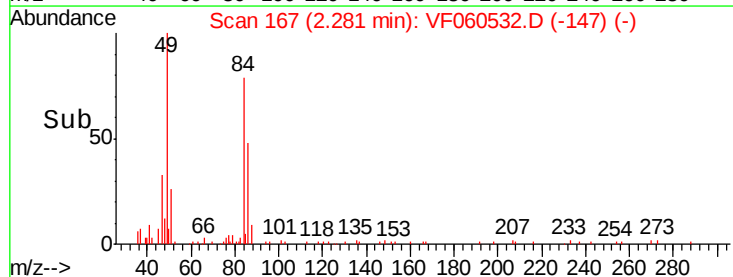
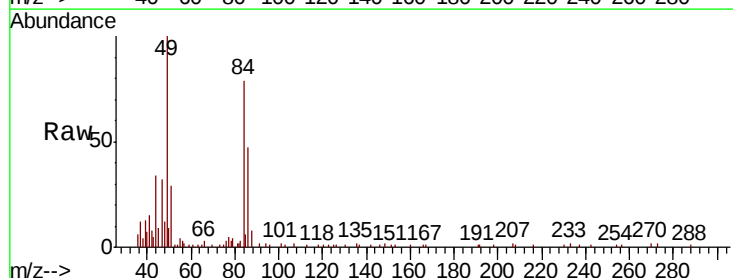
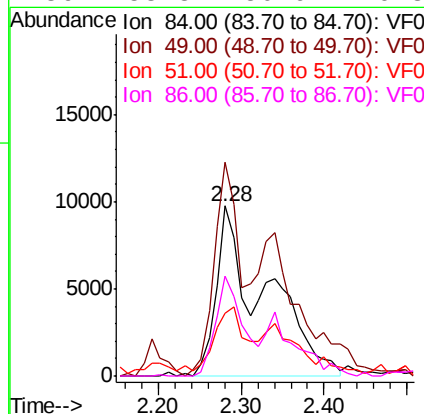
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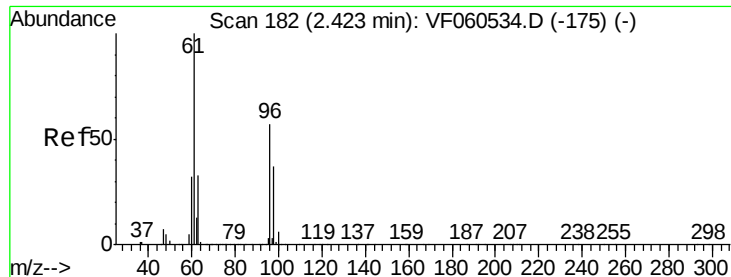
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#20
Methylene Chloride
Concen: 9.323 ug/l m
RT: 2.28 min Scan# 167
Delta R.T. -0.00 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Tgt Ion: 84 Resp: 39455
Ion Ratio Lower Upper
84 100
49 125.9 115.4 173.0
51 36.7 35.4 53.2
86 58.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 9.162 ug/l

RT: 2.42 min Scan# 181

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

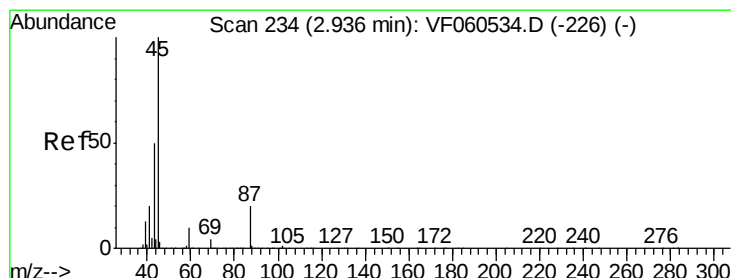
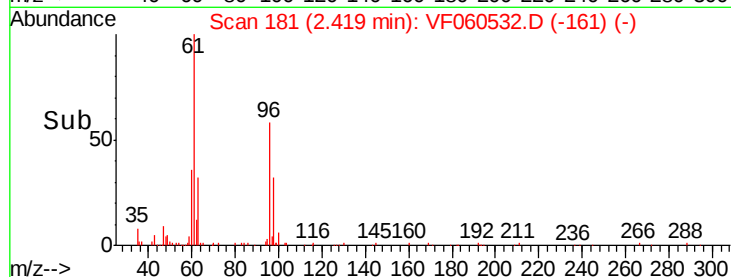
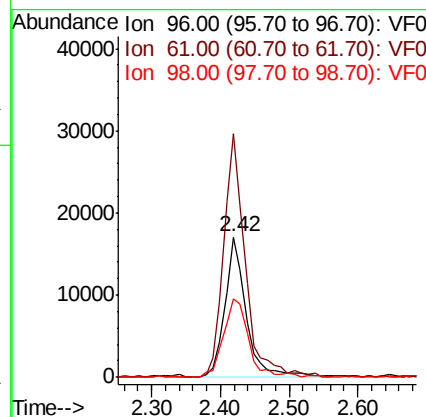
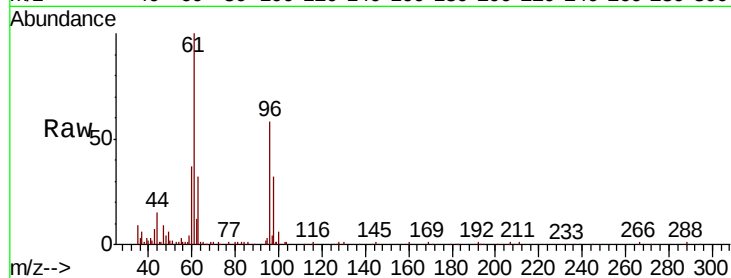
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	37294
Ion	Ratio	Lower	Upper
96	100		
61	173.6	139.8	209.6
98	57.0	52.2	78.4

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#22

Diisopropyl ether

Concen: 8.203 ug/l

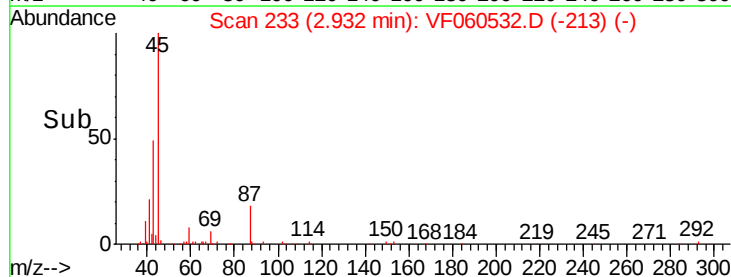
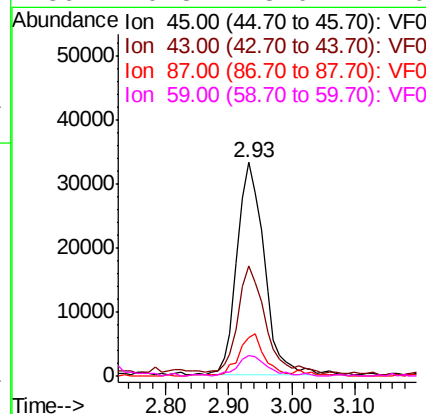
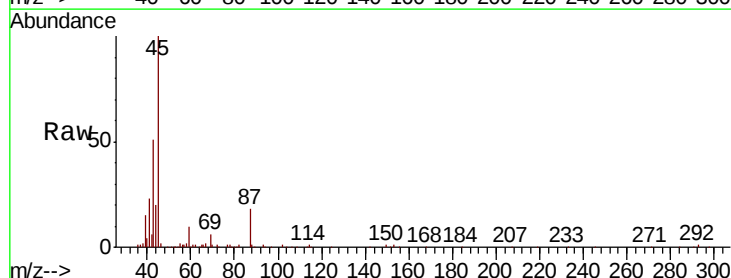
RT: 2.93 min Scan# 233

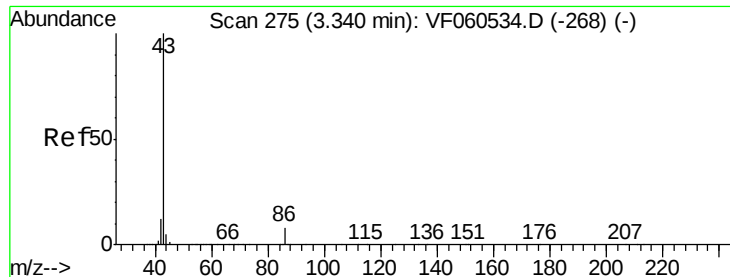
Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Tgt Ion:	45	Resp:	98526
Ion	Ratio	Lower	Upper
45	100		
43	51.4	40.6	60.8
87	18.1	15.9	23.9
59	9.8	8.0	12.0





#23

Vinyl Acetate

Concen: 45.808 ug/l

RT: 3.35 min Scan# 275

Delta R.T. 0.01 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 180072

Ion Ratio Lower Upper

43 100

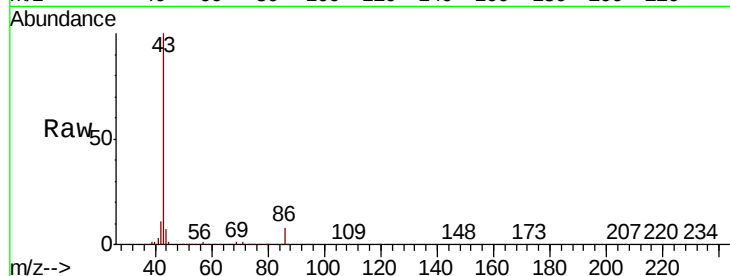
86 8.3 6.2 9.2

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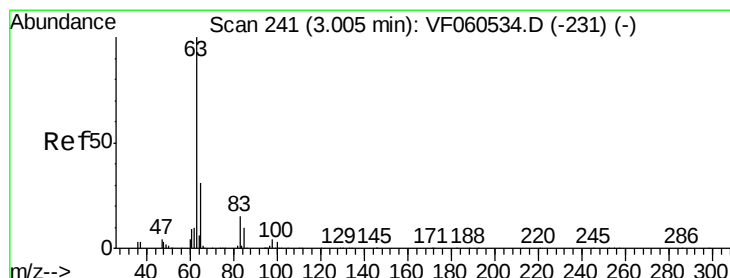
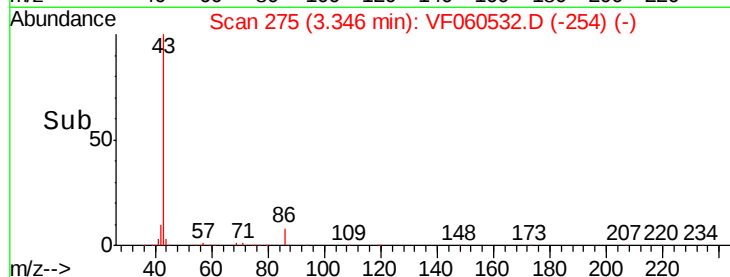
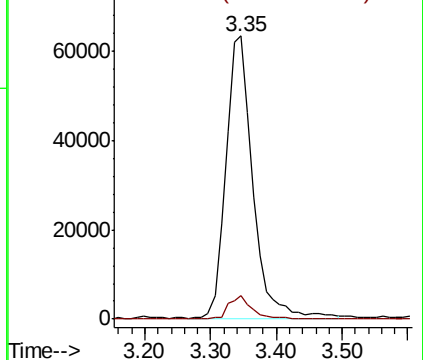
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 8.557 ug/l

RT: 3.01 min Scan# 241

Delta R.T. 0.01 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

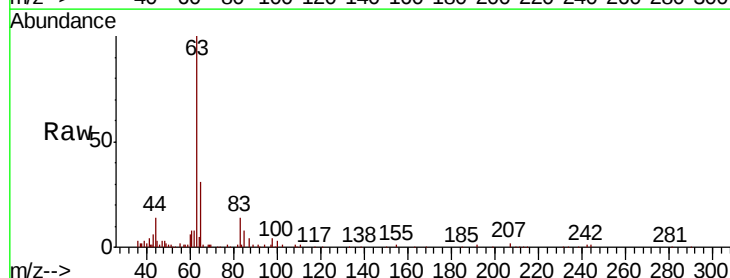
Tgt Ion: 63 Resp: 77262

Ion Ratio Lower Upper

63 100

98 4.3 2.0 6.0

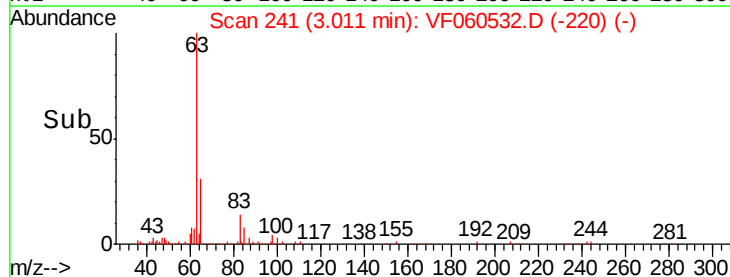
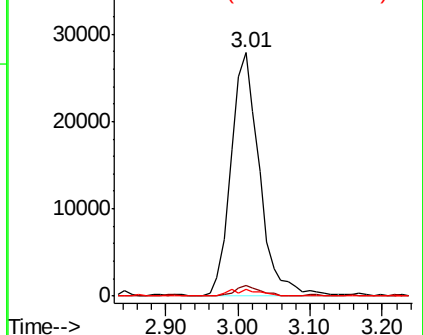
100 2.5 1.4 4.0

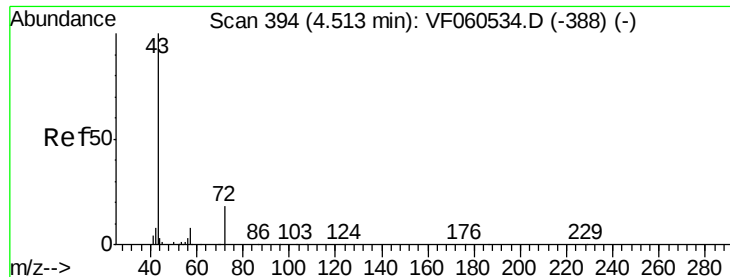


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 68.404 ug/l

RT: 4.52 min Scan# 394

Delta R.T. 0.01 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 75890

Ion Ratio Lower Upper

43 100

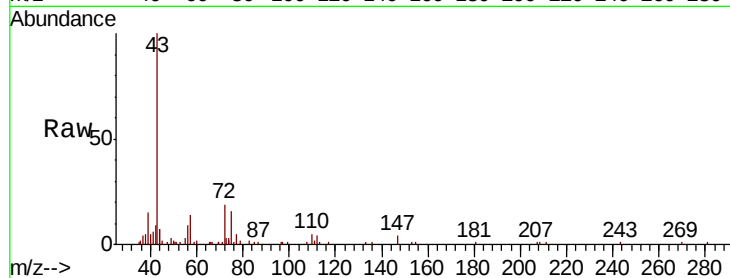
72 19.1 17.4 26.0

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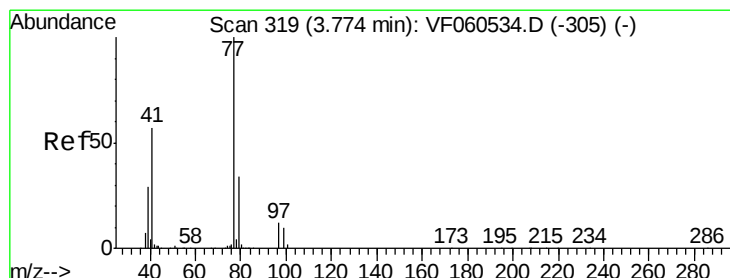
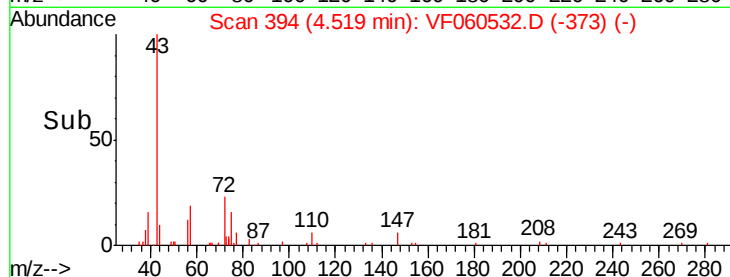
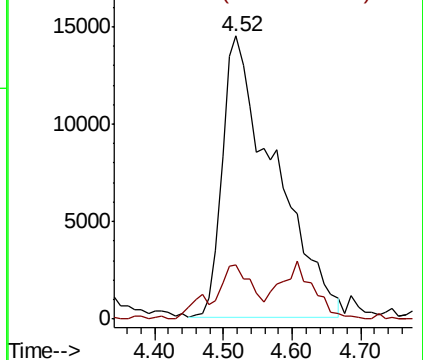
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 8.206 ug/l

RT: 3.77 min Scan# 318

Delta R.T. -0.00 min

Lab File: VF060532.D

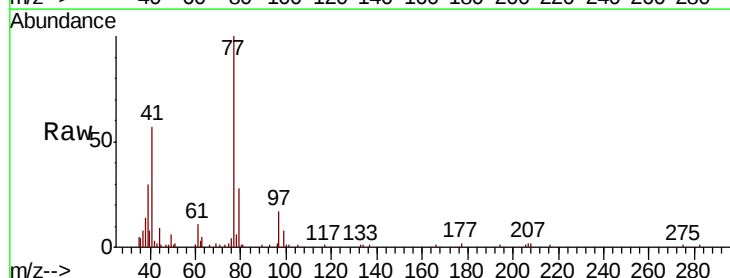
Acq: 29 Oct 2018 16:56

Tgt Ion: 77 Resp: 49290

Ion Ratio Lower Upper

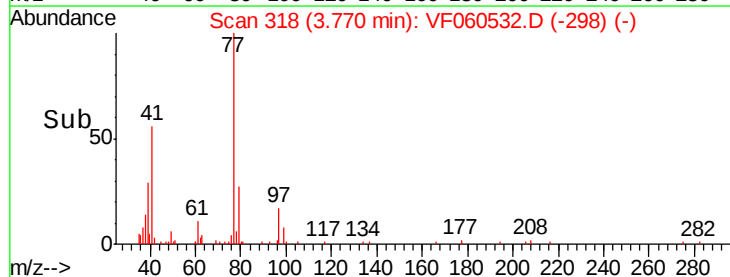
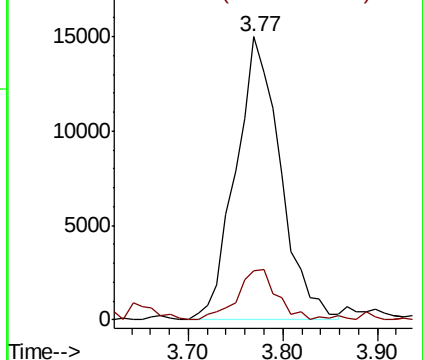
77 100

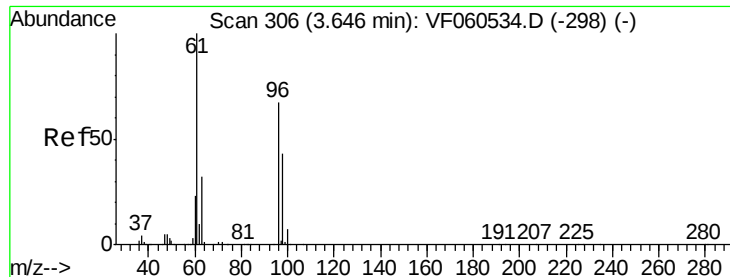
97 17.4 8.5 25.5



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

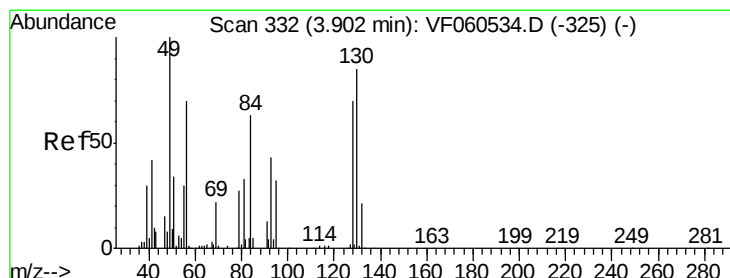
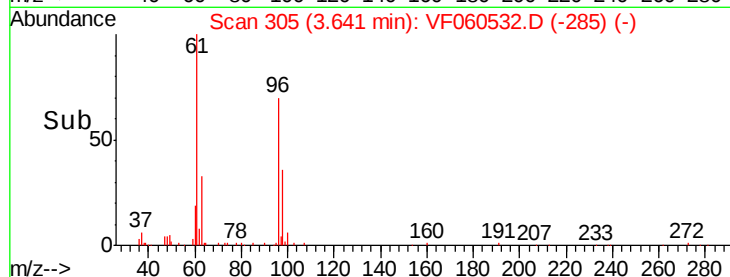
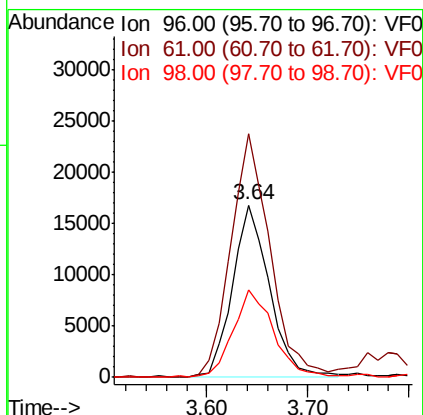
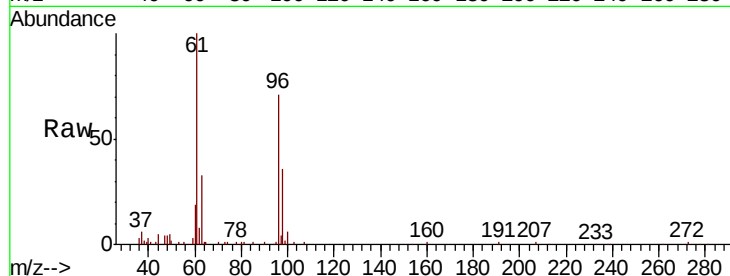
cis-1,2-Dichloroethene
Concen: 10.626 ug/l
RT: 3.64 min Scan# 305
Delta R.T. -0.00 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	300.8
98	51.1	0.0	128.4

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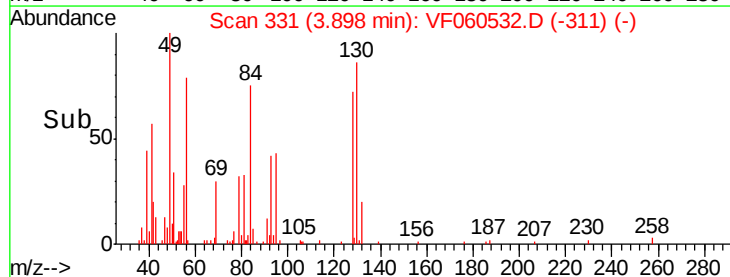
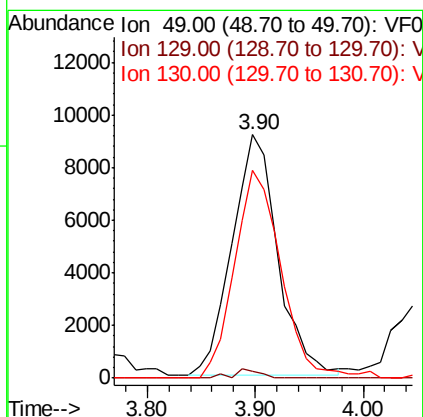
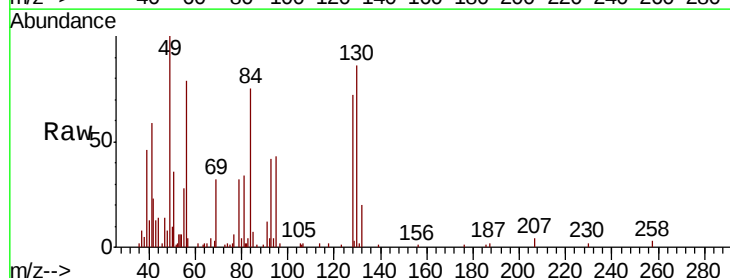
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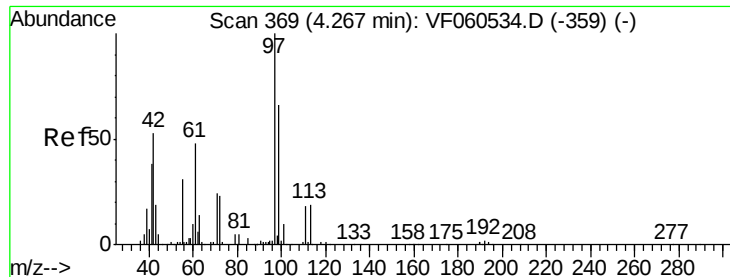


#28

Bromochloromethane
Concen: 9.574 ug/l
RT: 3.90 min Scan# 331
Delta R.T. -0.00 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.8
130	85.6	67.5	101.3





#29

Tetrahydrofuran

Concen: 41.346 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

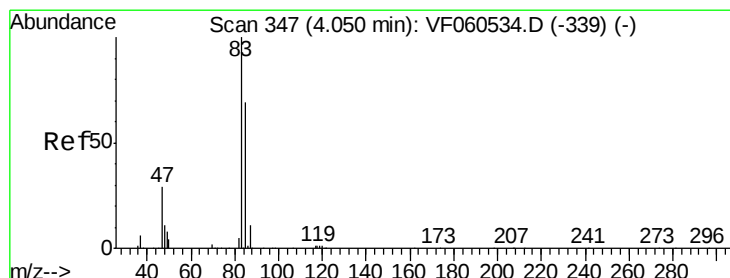
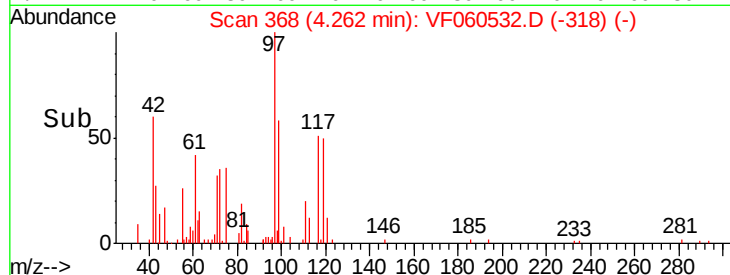
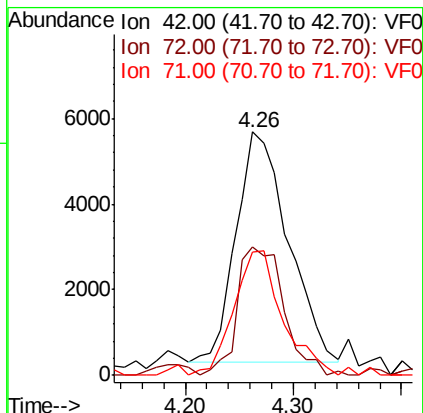
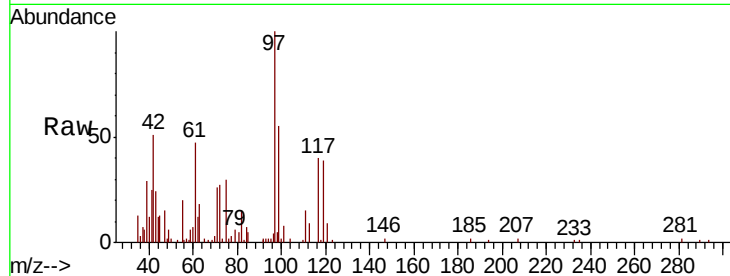
ClientSampleId :

VSTDIC010

Tot Ion:	42	Resp:	17961
Ion Ratio	Lower	Upper	
42	100		
72	50.4	32.5	48.7#
71	50.7	34.5	51.7

Manual Integrations
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#30

Chloroform

Concen: 9.000 ug/l

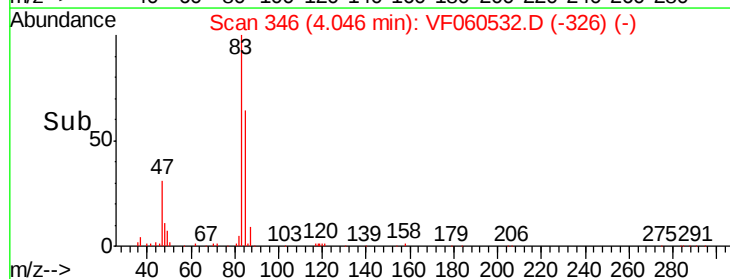
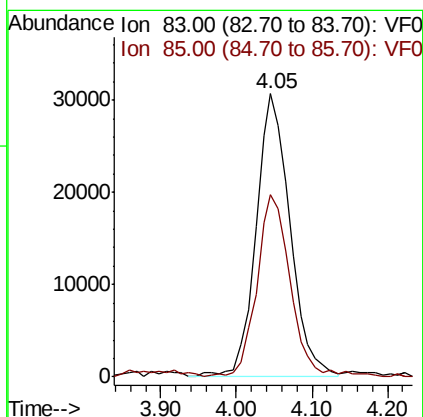
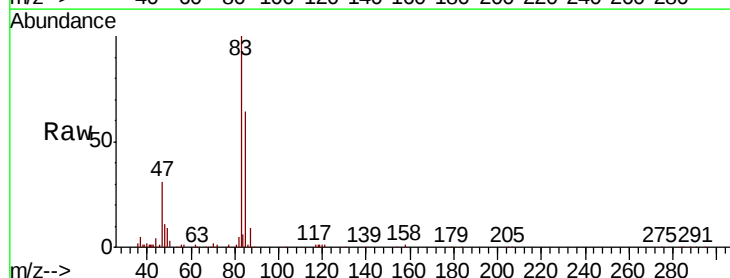
RT: 4.05 min Scan# 346

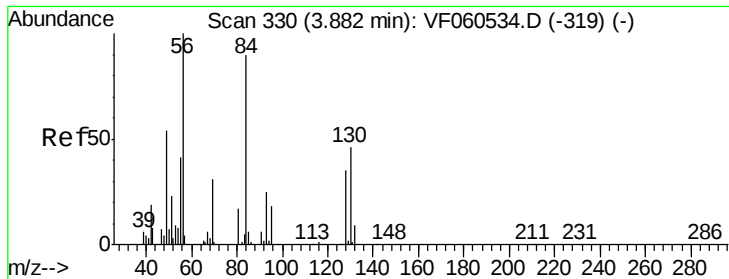
Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Tgt Ion:	83	Resp:	96095
Ion Ratio	Lower	Upper	
83	100		
85	65.6	55.0	82.4





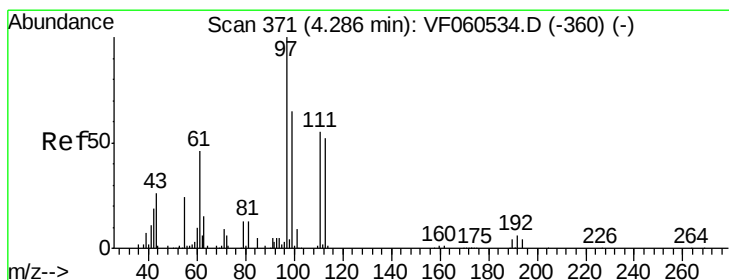
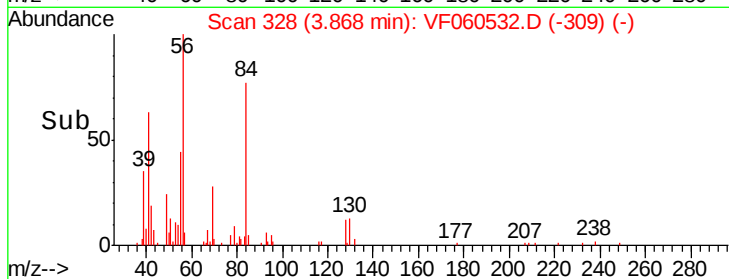
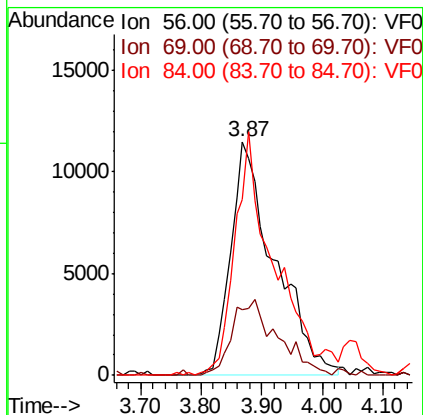
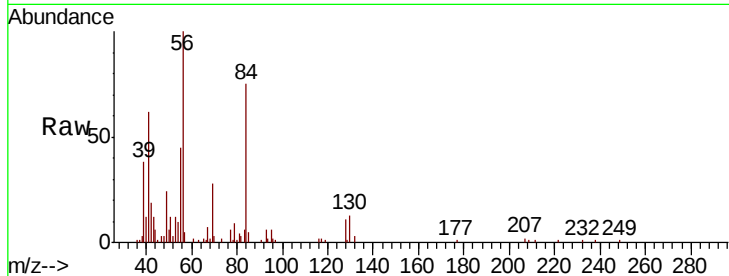
#31
Cyclohexane
Concen: 12.026 ug/l
RT: 3.87 min Scan# 328
Delta R.T. -0.01 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.0	25.0	37.6
84	75.4	72.1	108.1

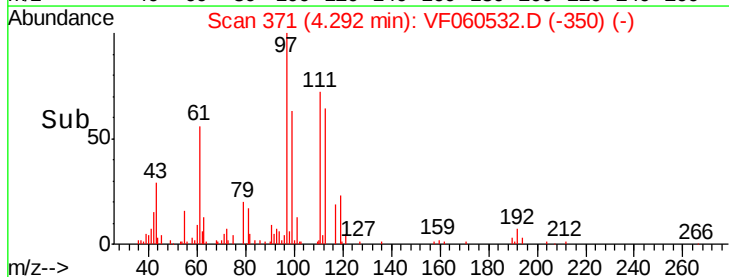
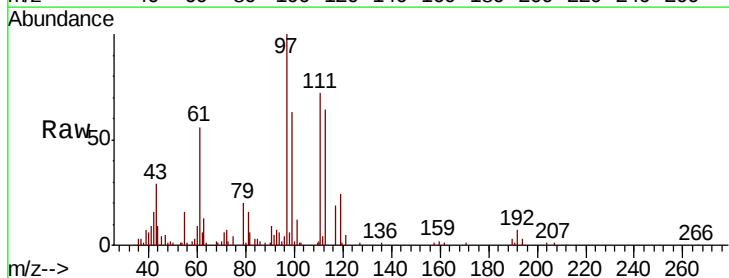
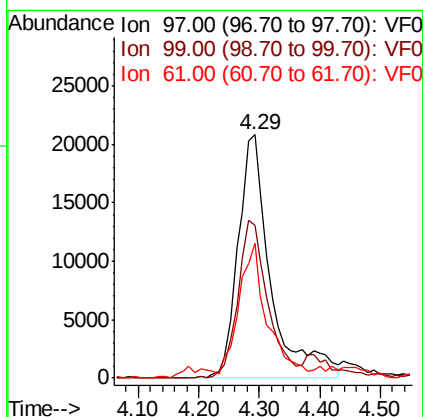
Manual Integrations
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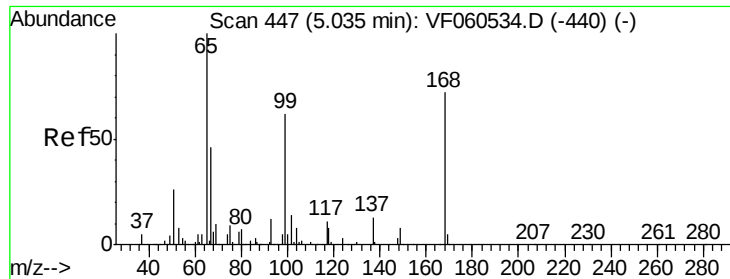
apatel
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#32
1,1,1-Trichloroethane
Concen: 8.079 ug/l
RT: 4.29 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	51.7	77.5
61	55.6	36.8	55.2#





#33

1,2-Dichloroethane-d4

Concen: 7.970 ug/l

RT: 5.03 min Scan# 446

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 47049

Ion Ratio Lower Upper

65 100

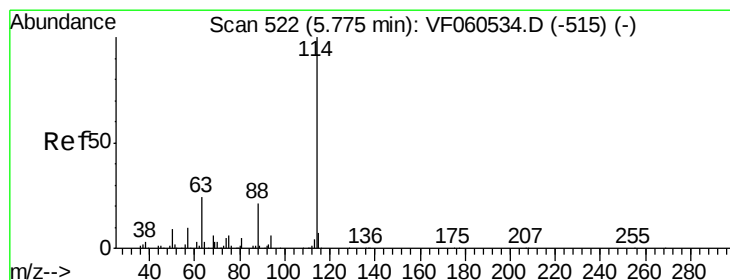
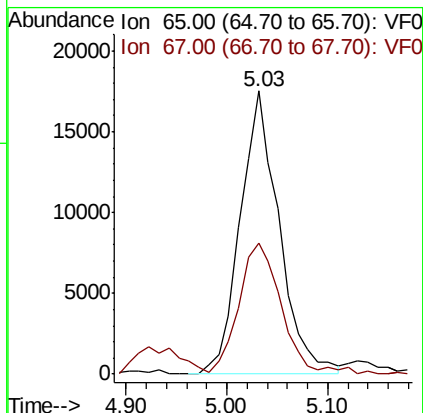
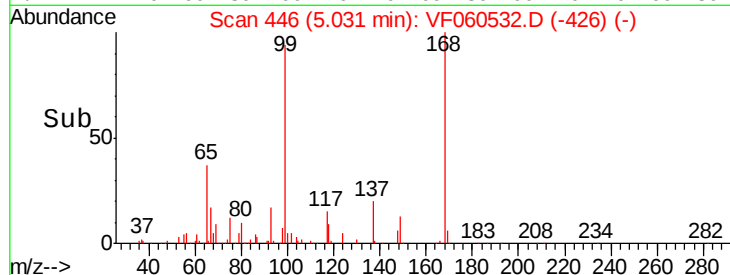
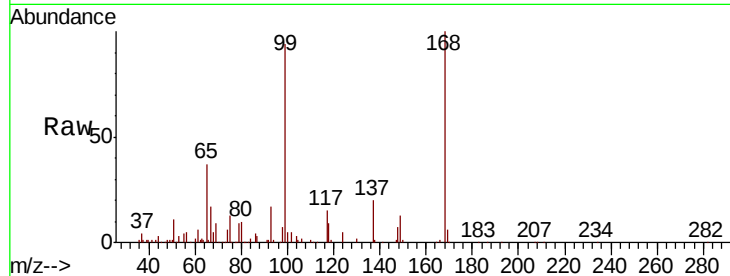
67 46.4 0.0 94.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 522

Delta R.T. 0.01 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

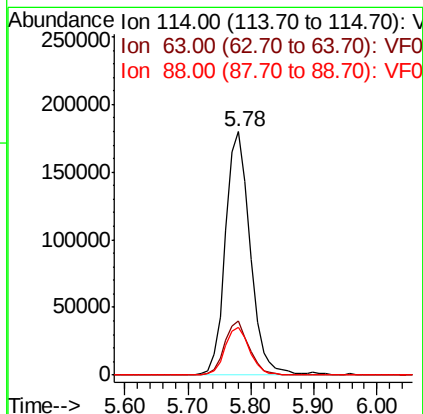
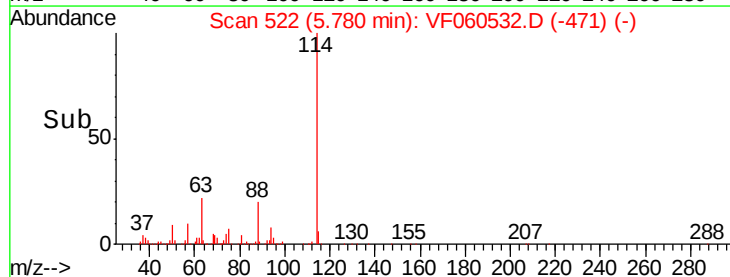
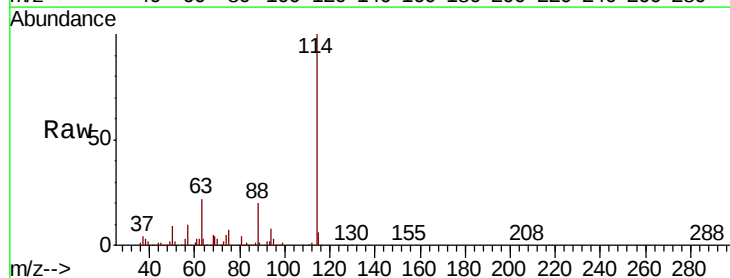
Tgt Ion: 114 Resp: 491589

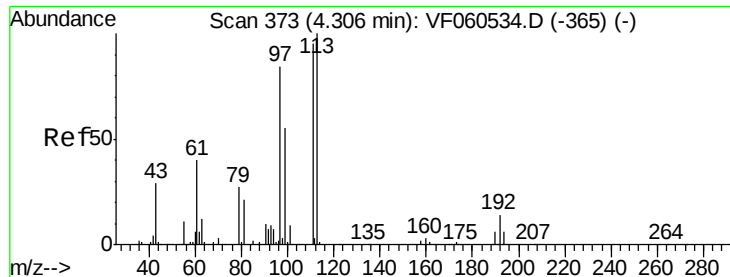
Ion Ratio Lower Upper

114 100

63 22.3 0.0 48.0

88 19.8 0.0 42.0





#35

Dibromofluoromethane

Concen: 8.470 ug/l

RT: 4.31 min Scan# 373

Delta R.T. 0.01 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

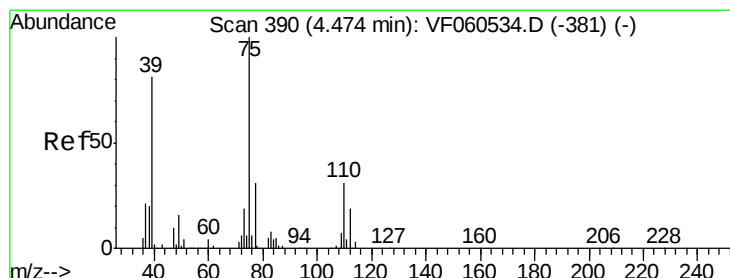
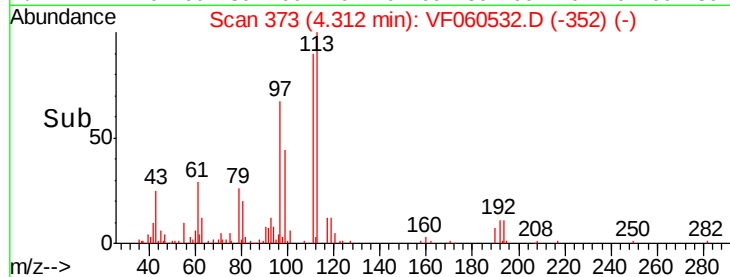
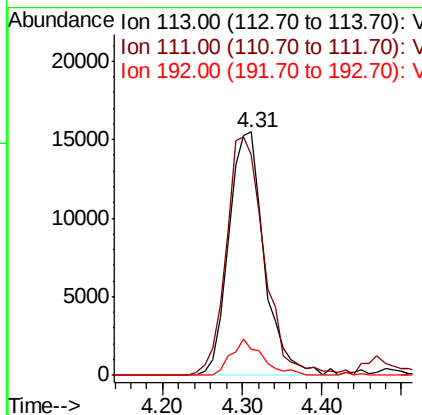
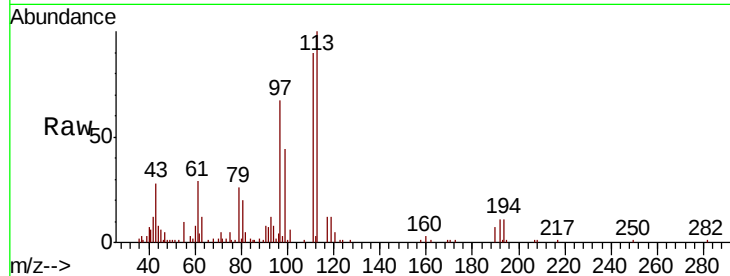
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	48200
Ion Ratio	Lower	Upper	
113	100		
111	90.4	75.9	113.9
192	10.6	11.2	16.8#

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#36

1,1-Dichloropropene

Concen: 9.365 ug/l

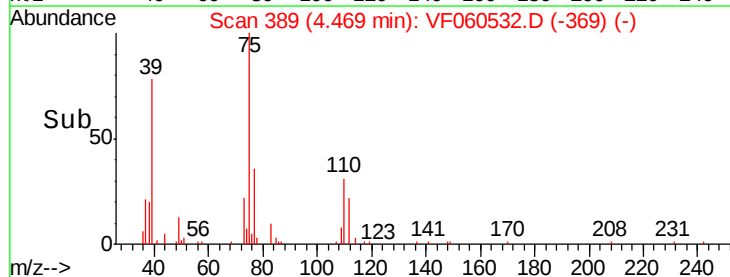
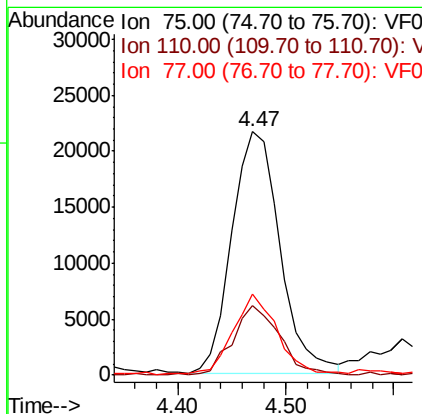
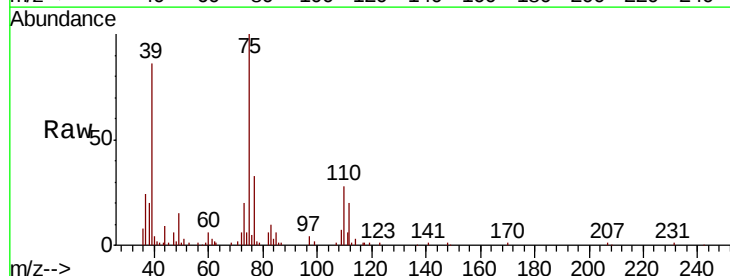
RT: 4.47 min Scan# 389

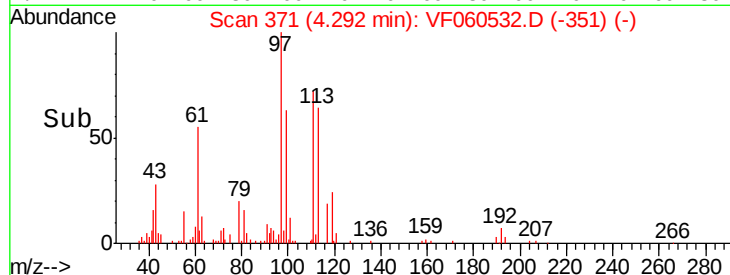
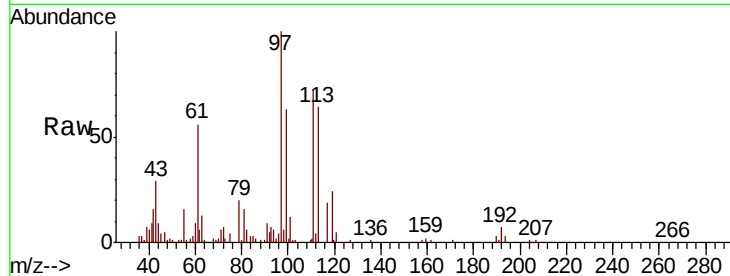
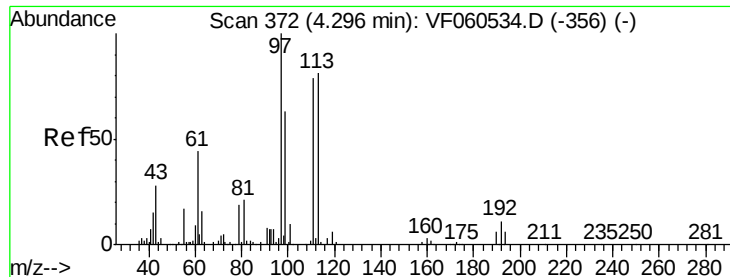
Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Tgt Ion:	75	Resp:	66785
Ion Ratio	Lower	Upper	
75	100		
110	28.5	15.3	45.8
77	33.5	24.8	37.2





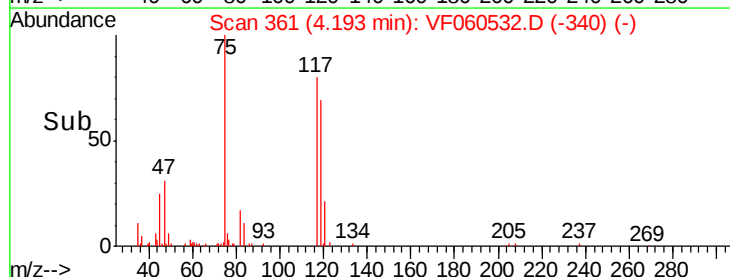
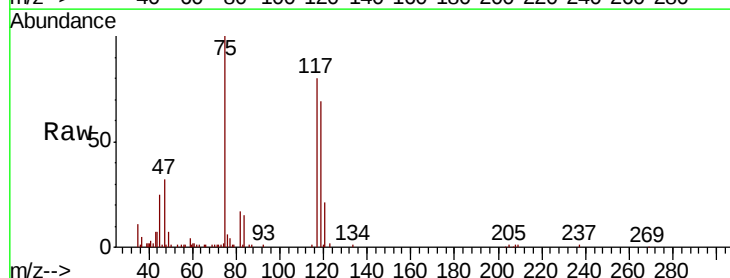
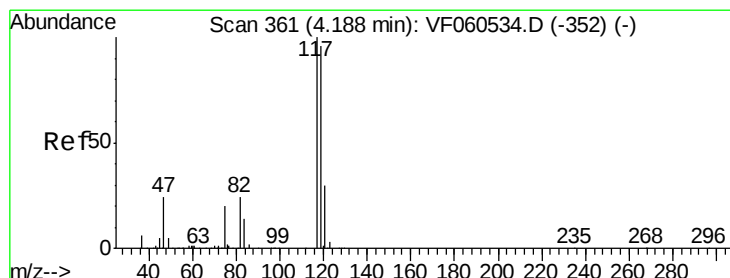
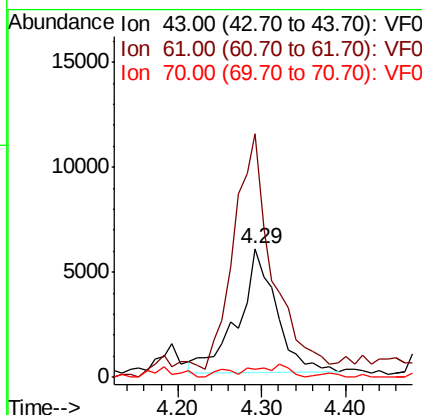
#37
Ethyl Acetate
Concen: 7.876 ug/l
RT: 4.29 min Scan# 371
Delta R.T. -0.00 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Tot Ion	43	61	70
Ratio	100	188.9	6.6
Lower		123.9	7.3
Upper		185.9#	10.9#

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

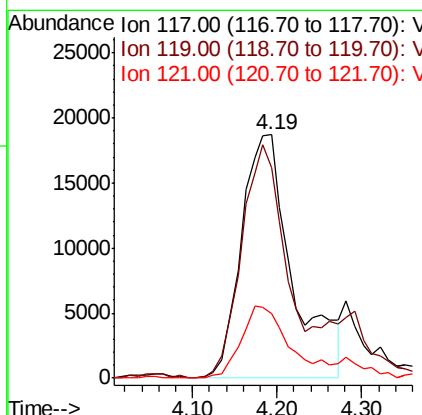
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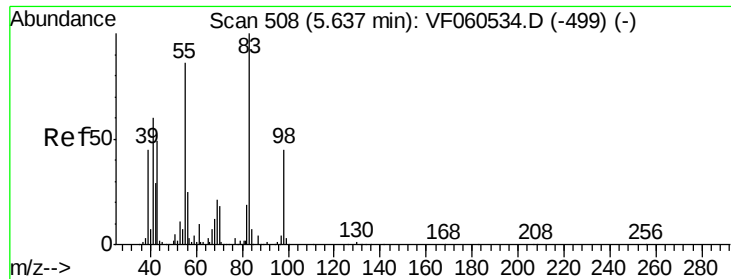
apatel
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#38
Carbon Tetrachloride
Concen: 7.625 ug/l m
RT: 4.19 min Scan# 361
Delta R.T. 0.01 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Tgt Ion	117	119	121
Ratio	100	86.1	26.5
Lower		76.5	24.3
Upper		114.7	36.5





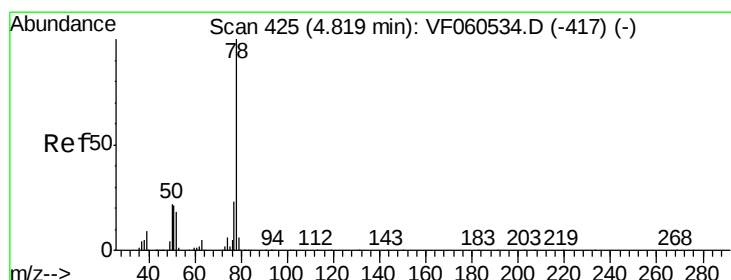
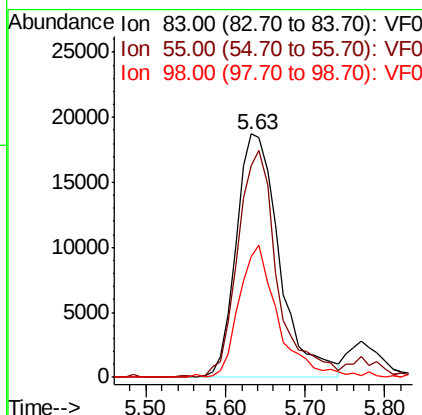
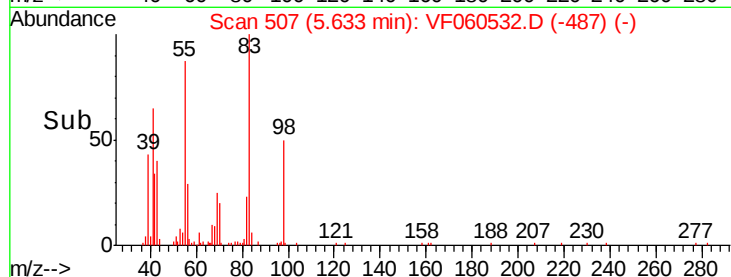
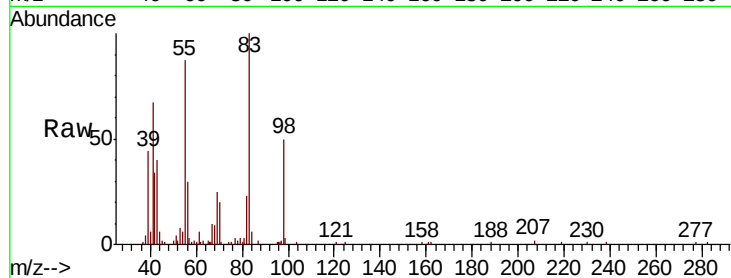
#39
Methylvlcvclohexane
Concen: 11.699 ug/l
RT: 5.63 min Scan# 507
Delta R.T. -0.00 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.7	69.0	103.4
98	49.8	36.1	54.1

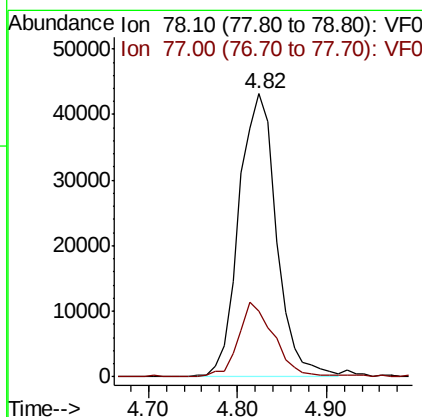
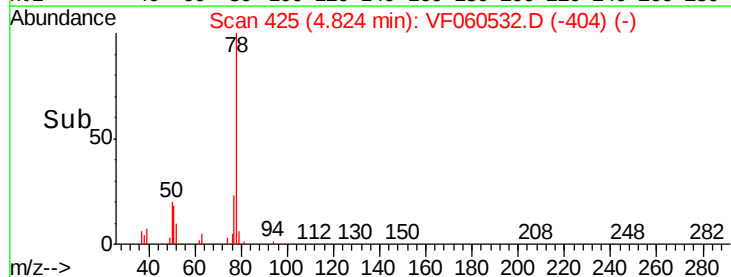
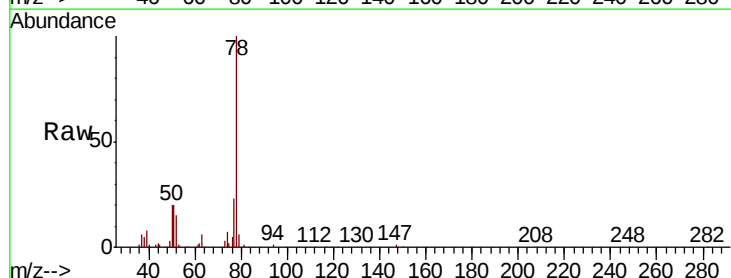
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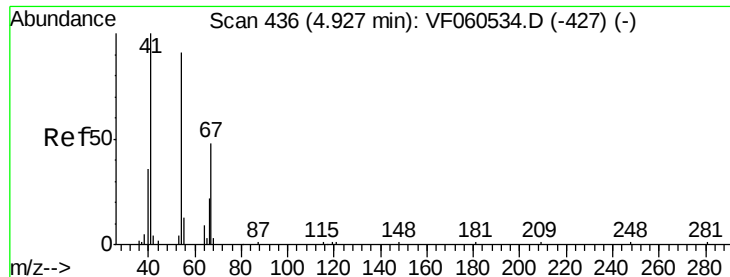
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#40
Benzene
Concen: 10.435 ug/l
RT: 4.82 min Scan# 425
Delta R.T. 0.01 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.5	27.7





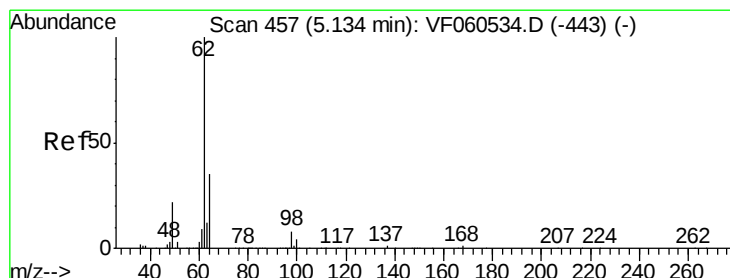
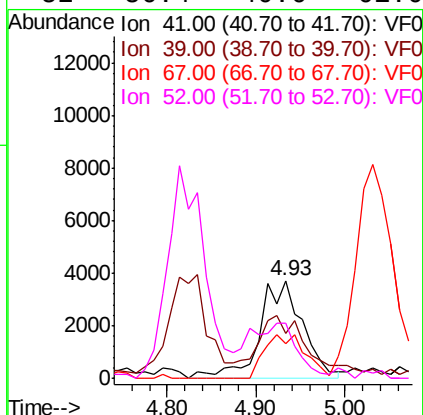
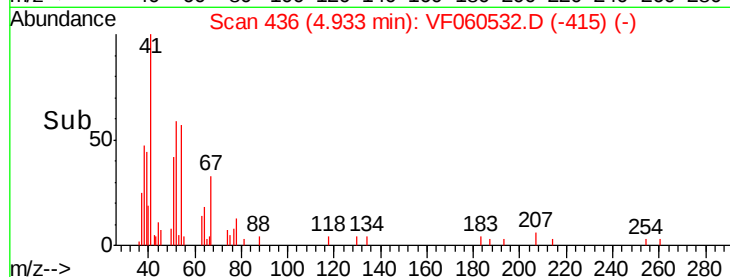
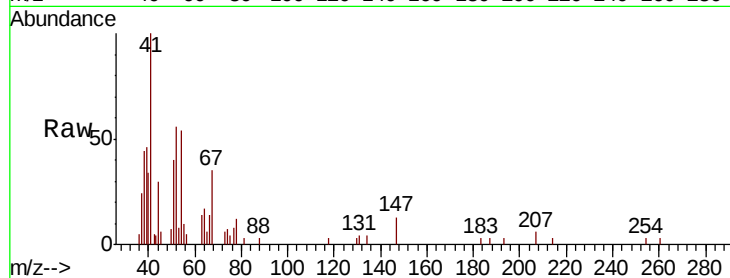
#41
Methacrylonitrile
Concen: 10.269 ug/l
RT: 4.93 min Scan# 436
Delta R.T. 0.01 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:	41	Resp:	12434
Ion	Ratio	Lower	Upper
41	100		
39	46.4	51.0	76.6#
67	35.2	38.0	57.0#
52	56.4	40.6	61.0

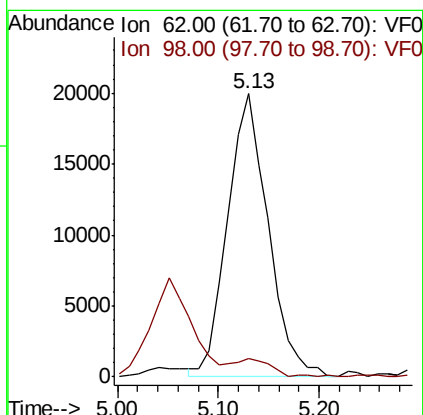
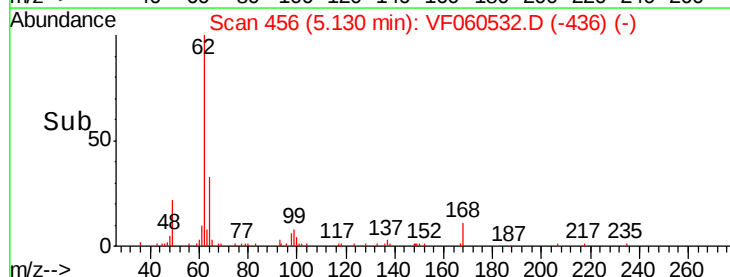
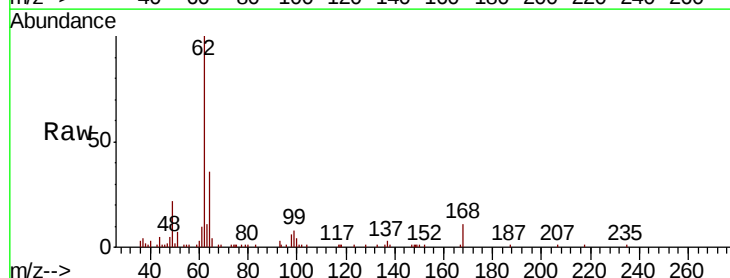
Manual Integrations
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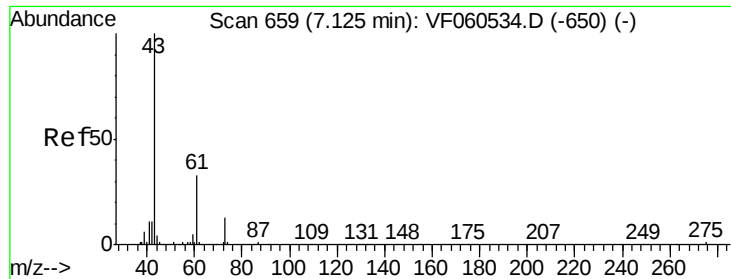
apatel
10/30/2018 2:06:39 PM



#42
1,2-Dichloroethane
Concen: 7.552 ug/l
RT: 5.13 min Scan# 456
Delta R.T. -0.00 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Tgt Ion:	62	Resp:	55883
Ion	Ratio	Lower	Upper
62	100		
98	6.4	0.0	15.8





#43

Isopropyl Acetate

Concen: 7.545 ug/l

RT: 7.13 min Scan# 659

Delta R.T. 0.01 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

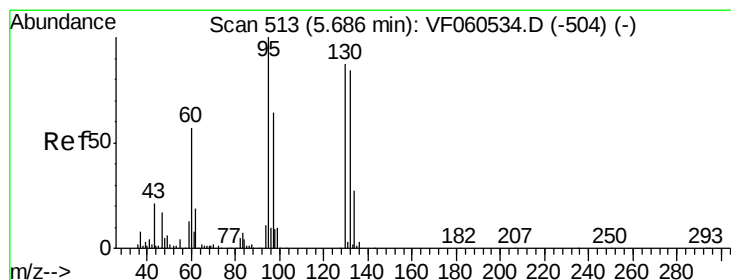
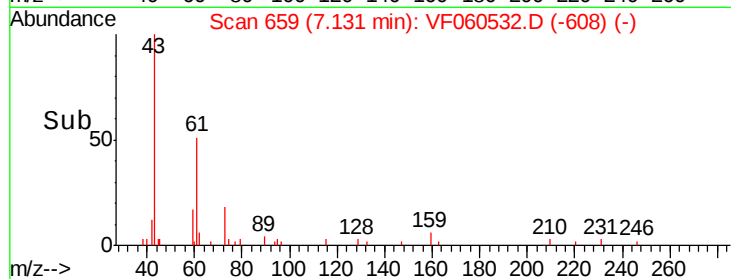
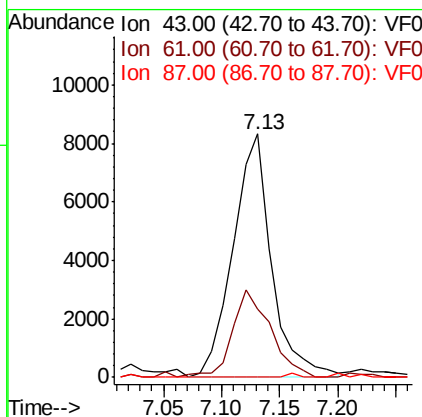
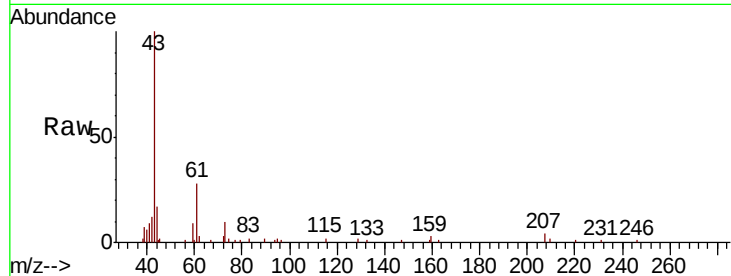
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	19137
Ion	Ratio	Lower	Upper
43	100		
61	28.1	26.6	40.0
87	0.0	0.6	1.0#

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#44

Trichloroethene

Concen: 10.047 ug/l

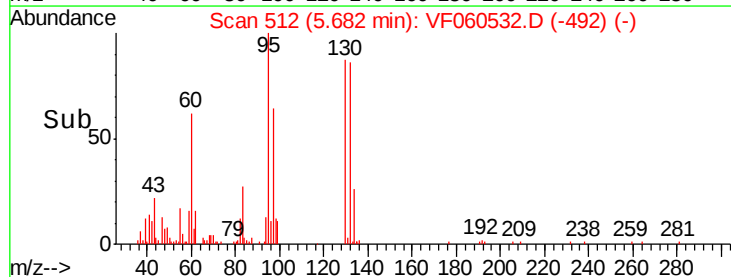
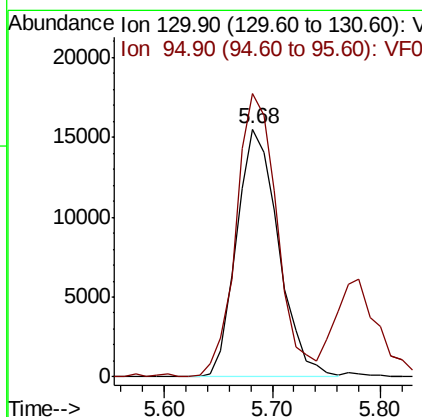
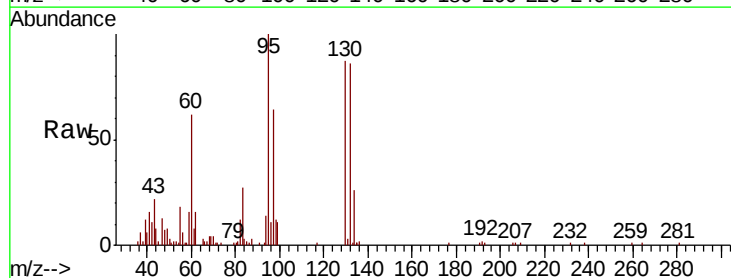
RT: 5.68 min Scan# 512

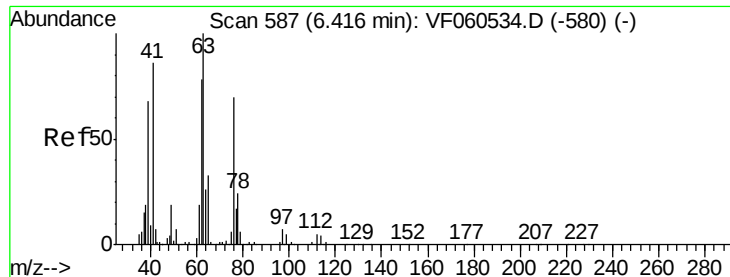
Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Tgt Ion:	130	Resp:	41761
Ion	Ratio	Lower	Upper
130	100		
95	114.3	0.0	229.4





#45

1,2-Dichloropropane

Concen: 10.796 ug/l

RT: 6.42 min Scan# 587

Delta R.T. 0.01 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 32808

Ion Ratio Lower Upper

63 100

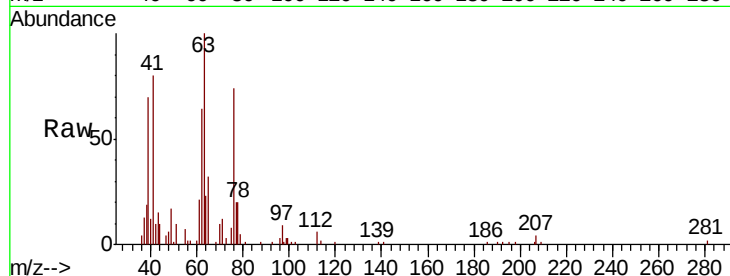
65 31.8 26.5 39.7

Manual Integrations

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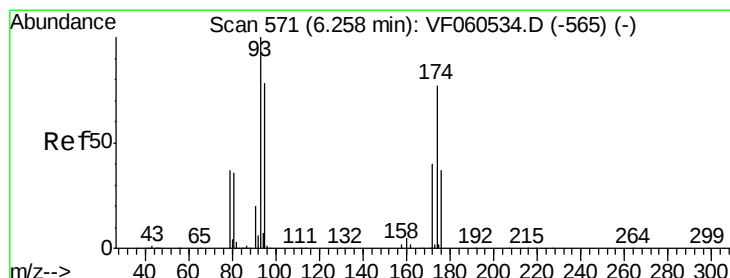
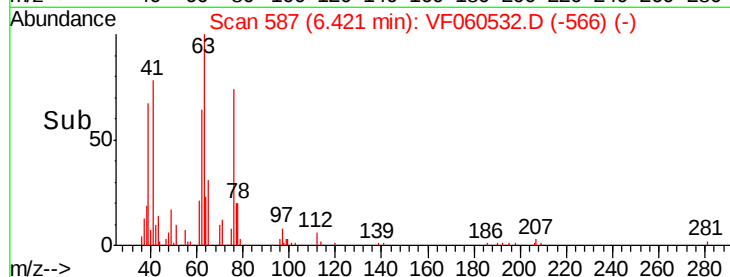
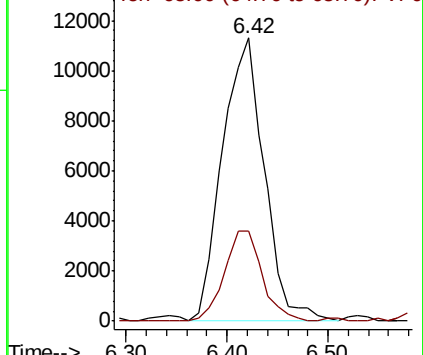
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 8.334 ug/l

RT: 6.26 min Scan# 571

Delta R.T. 0.01 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

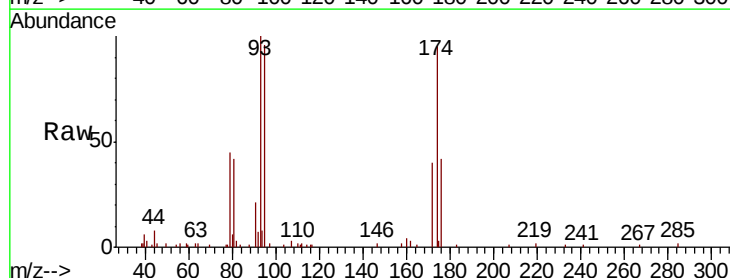
Tgt Ion: 93 Resp: 23274

Ion Ratio Lower Upper

93 100

95 95.5 64.3 96.5

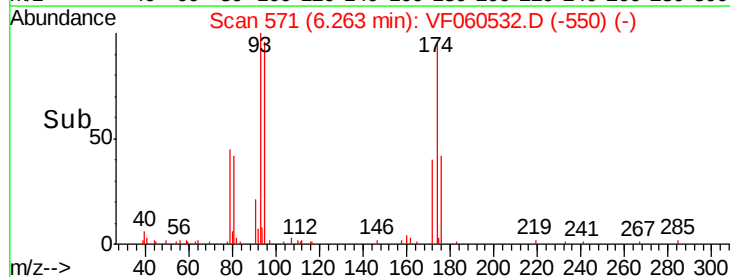
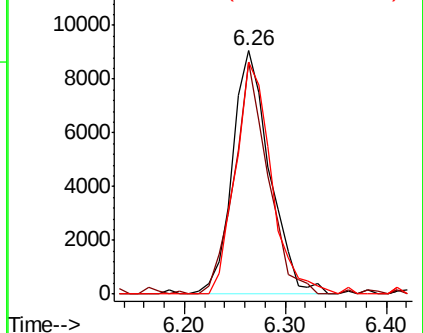
174 97.6 63.3 94.9#

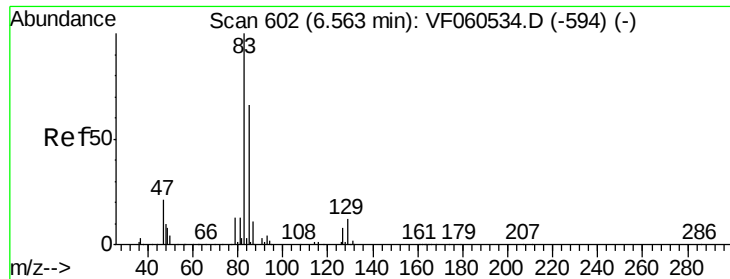


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 7.573 ug/l

RT: 6.56 min Scan# 601

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

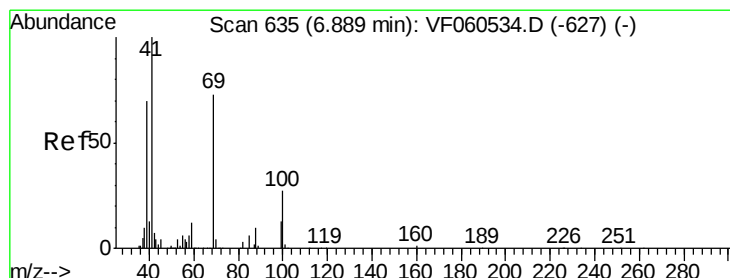
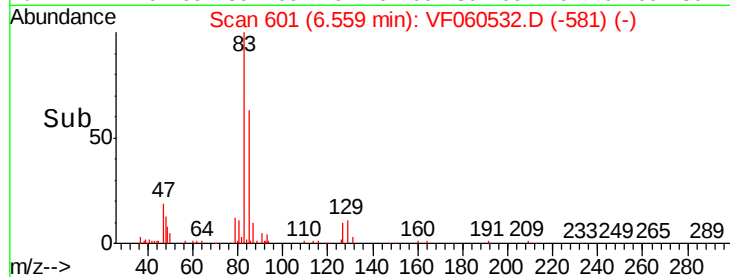
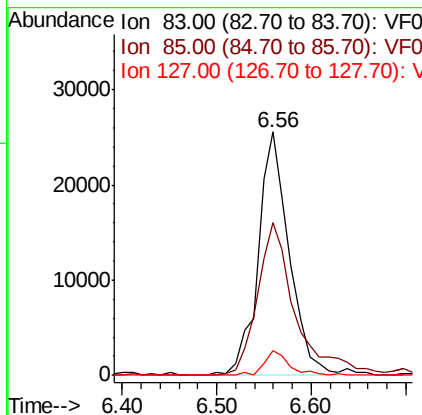
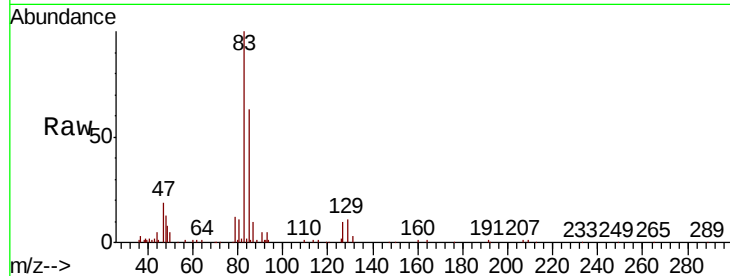
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	58421
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.7	79.1
127	10.1	6.4	9.6#

Manual Integrations
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#48

Methyl methacrylate

Concen: 8.312 ug/l

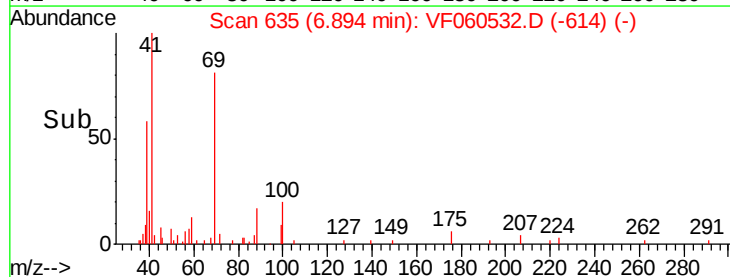
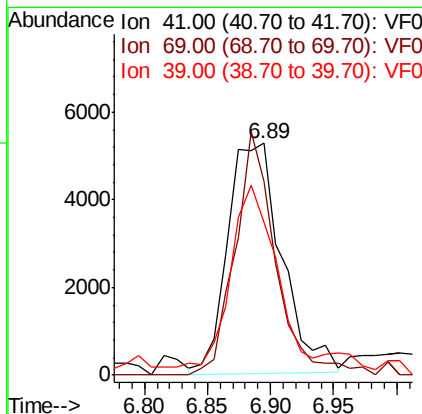
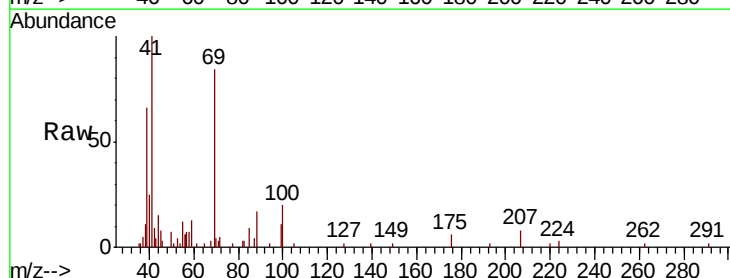
RT: 6.89 min Scan# 635

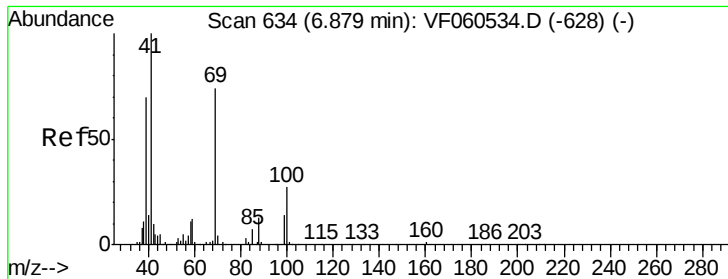
Delta R.T. 0.01 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Tgt Ion:	41	Resp:	15609
Ion	Ratio	Lower	Upper
41	100		
69	83.7	58.4	87.6
39	65.6	56.4	84.6





#49

1,4-Dioxane

Concen: 179.616 ug/l

RT: 6.87 min Scan# 633

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

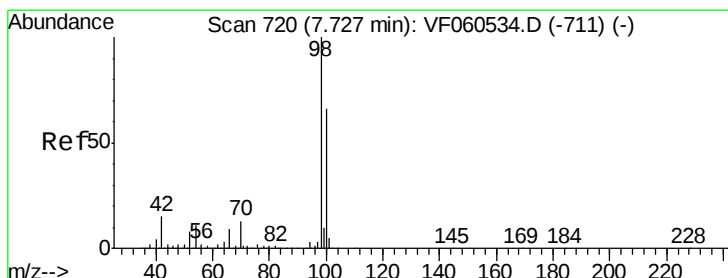
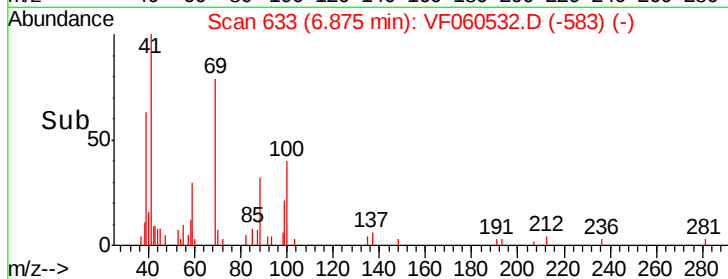
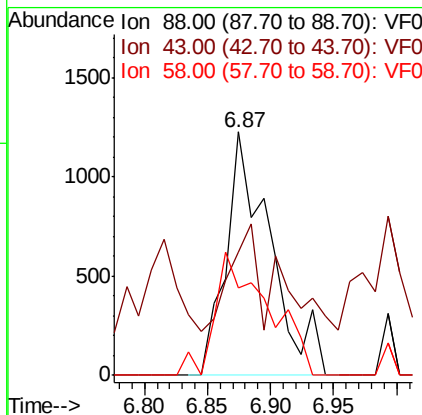
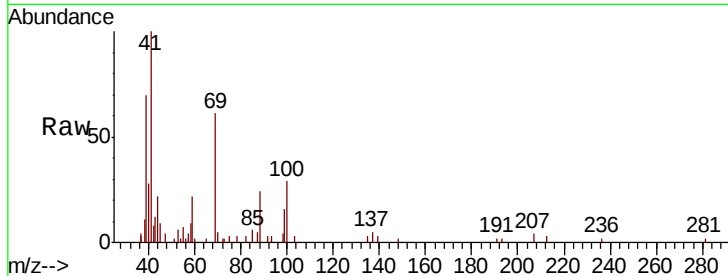
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	50.7	49.7	74.5
58	35.7	67.7	101.5

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#50

Toluene-d8

Concen: 10.210 ug/l

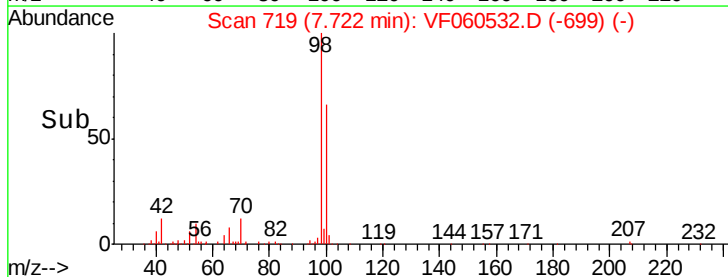
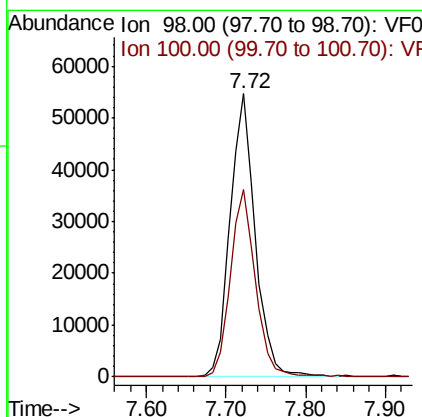
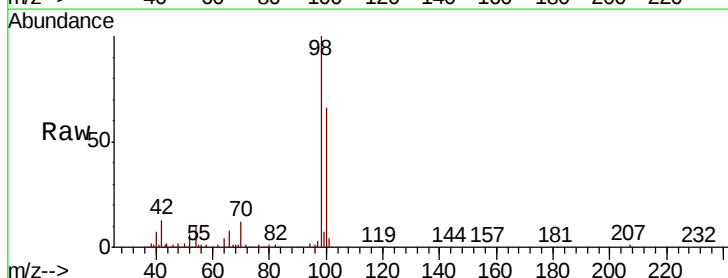
RT: 7.72 min Scan# 719

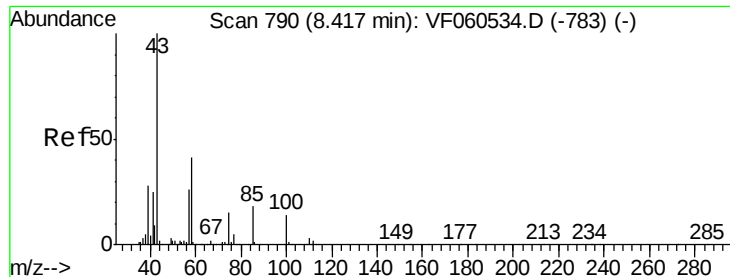
Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 46.154 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 89104

Ion Ratio Lower Upper

43 100

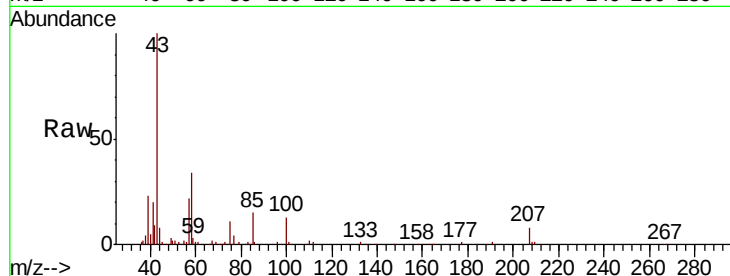
58 34.4 32.6 49.0

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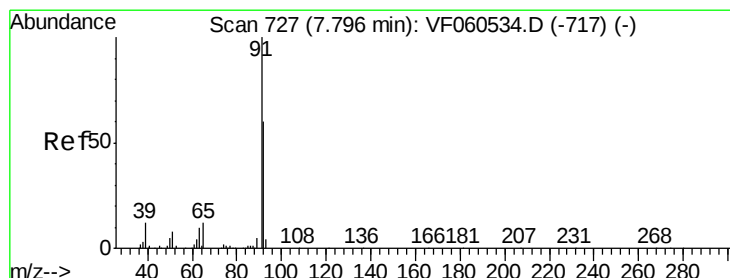
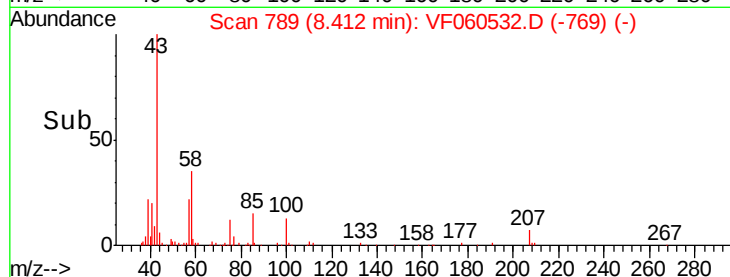
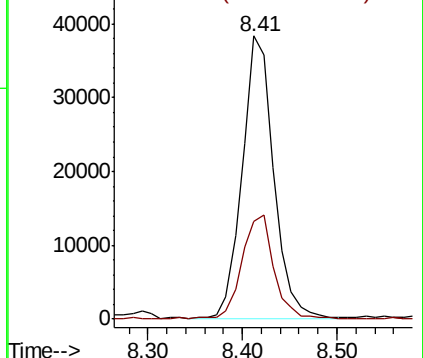
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 10.062 ug/l

RT: 7.79 min Scan# 726

Delta R.T. -0.00 min

Lab File: VF060532.D

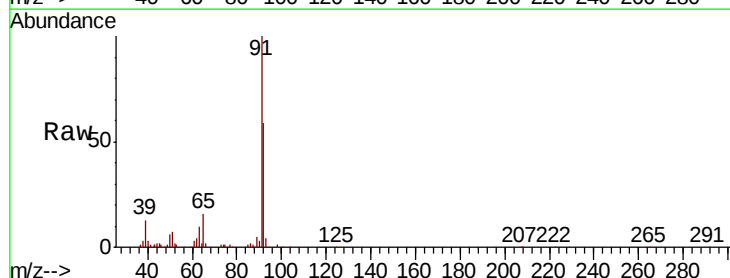
Acq: 29 Oct 2018 16:56

Tgt Ion: 92 Resp: 80343

Ion Ratio Lower Upper

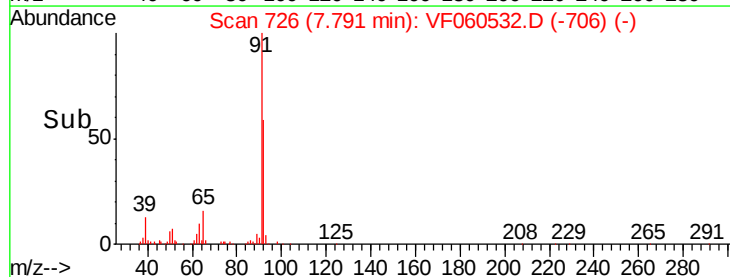
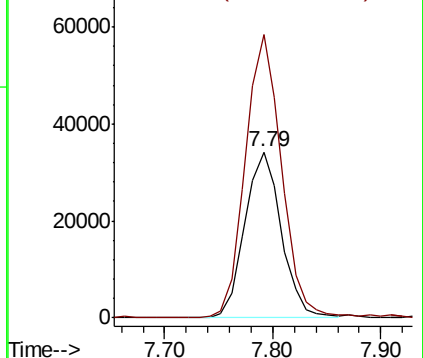
92 100

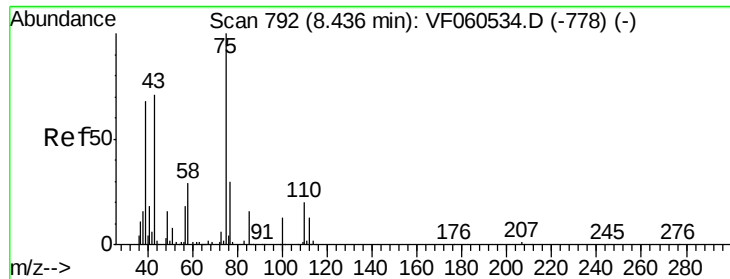
91 170.6 134.1 201.1



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 7.660 ug/l

RT: 8.44 min Scan# 792

Delta R.T. 0.01 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 44204

Ion Ratio Lower Upper

75 100

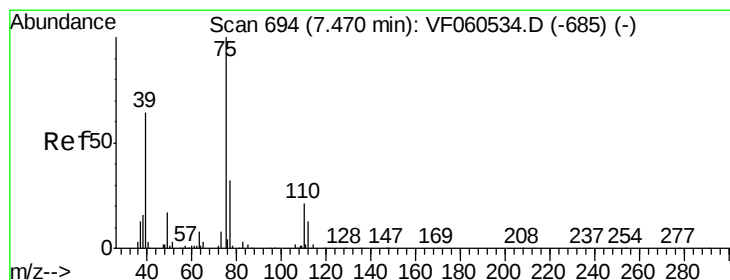
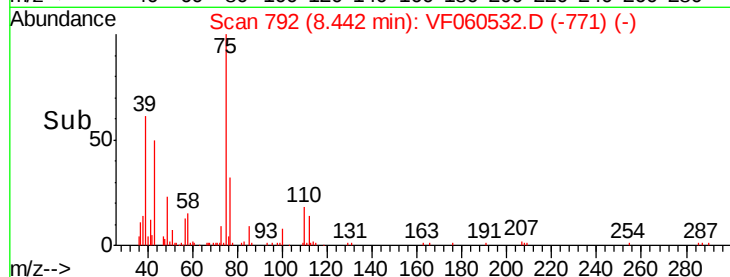
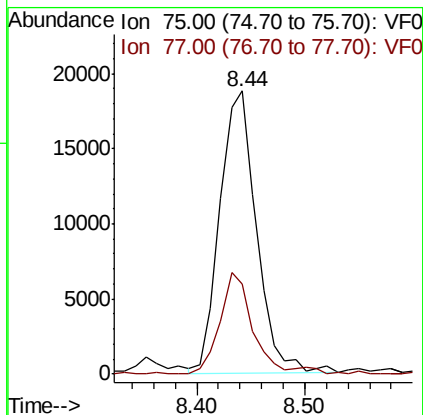
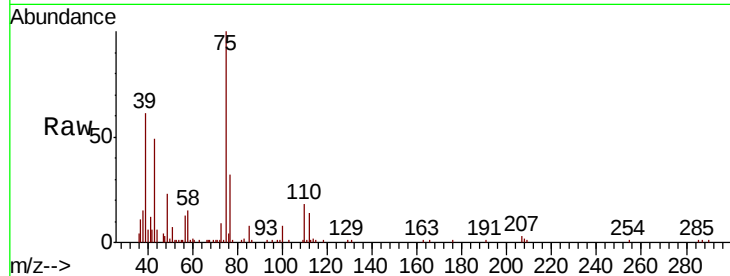
77 31.6 24.2 36.4

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#54

cis-1,3-Dichloropropene

Concen: 9.143 ug/l

RT: 7.47 min Scan# 693

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

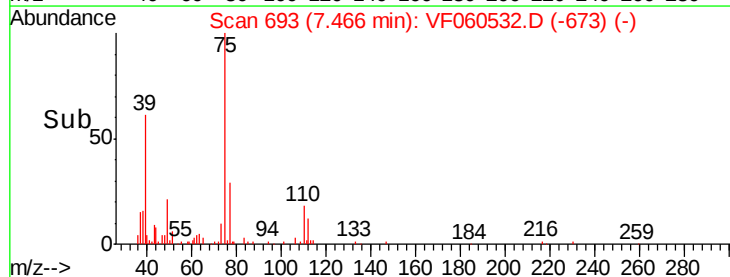
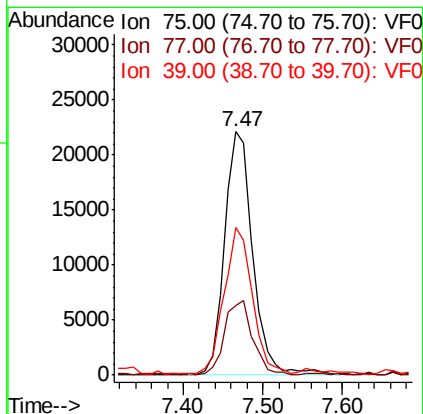
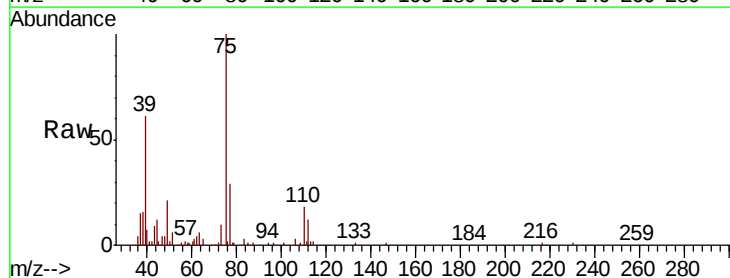
Tgt Ion: 75 Resp: 55242

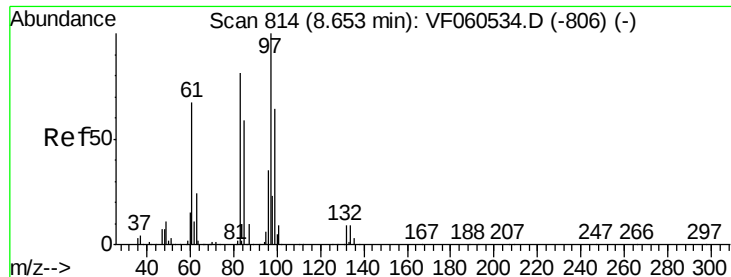
Ion Ratio Lower Upper

75 100

77 28.7 25.7 38.5

39 60.8 51.5 77.3





#55

1,1,2-Trichloroethane

Concen: 9.131 ug/l

RT: 8.64 min Scan# 812

Delta R.T. -0.01 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

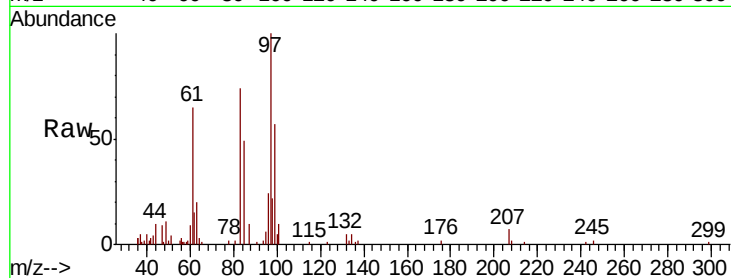
ClientSampleId :

VSTDIC010

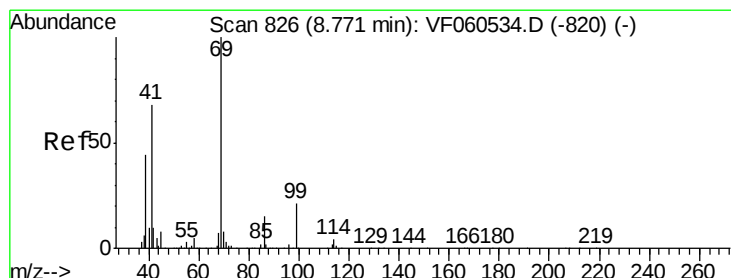
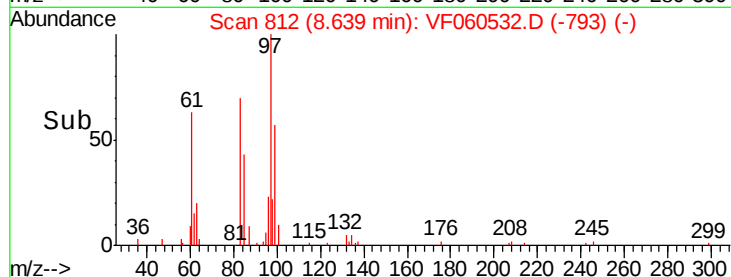
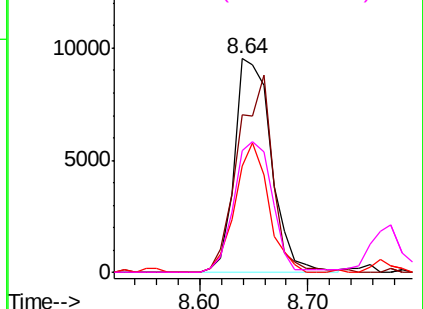
Tot Ion:	97	Resp:	22658
Ion	Ratio	Lower	Upper
97	100		
83	73.7	65.3	97.9
85	49.5	47.6	71.4
99	56.8	51.5	77.3

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Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 82.95 (82.65 to 83.65): VF0
Ion 84.95 (84.65 to 85.65): VF0
Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 9.147 ug/l

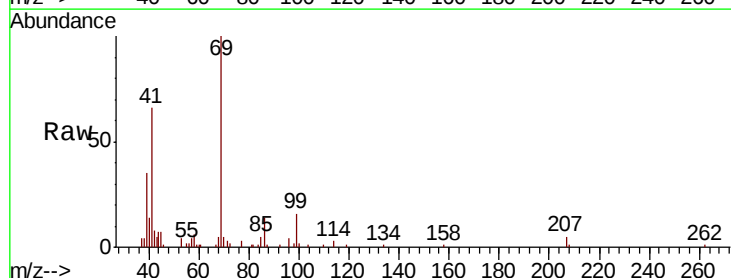
RT: 8.77 min Scan# 825

Delta R.T. -0.00 min

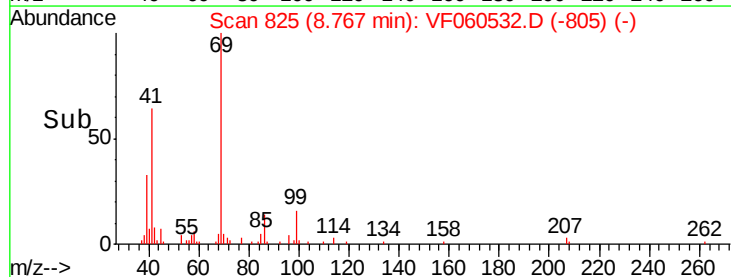
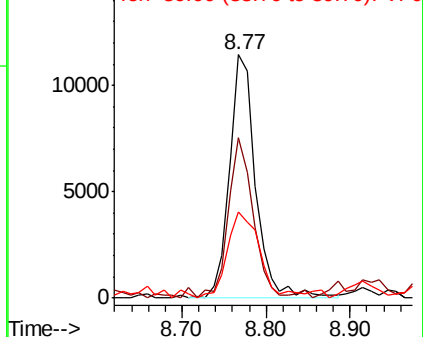
Lab File: VF060532.D

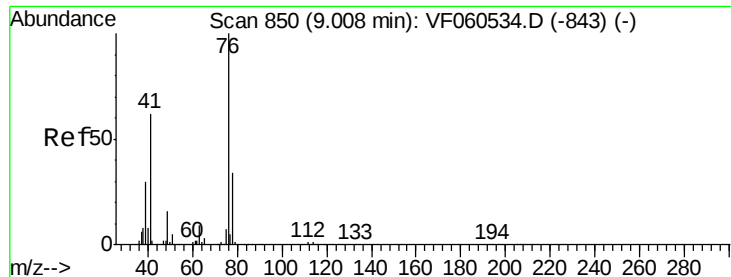
Acq: 29 Oct 2018 16:56

Tgt Ion:	69	Resp:	24797
Ion	Ratio	Lower	Upper
69	100		
41	65.6	55.0	82.6
39	35.4	35.1	52.7



Abundance Ion 69.00 (68.70 to 69.70): VF0
Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 8.766 ug/l

RT: 9.01 min Scan# 850

Delta R.T. 0.01 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 38501

Ion Ratio Lower Upper

76 100

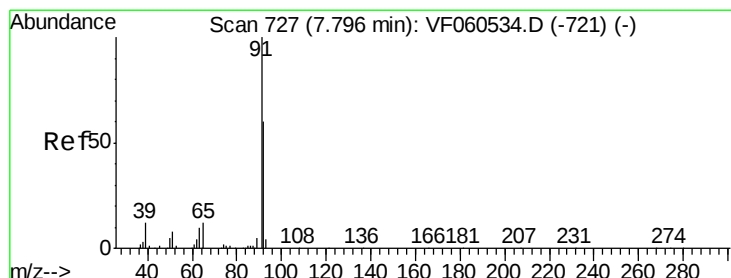
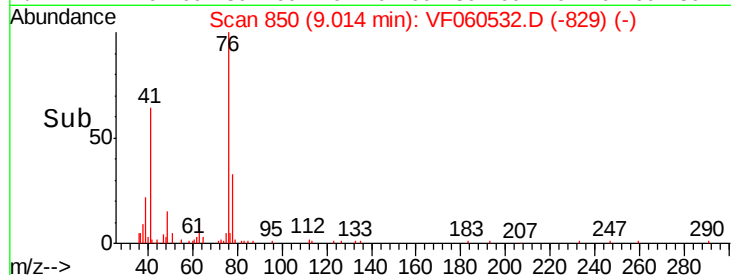
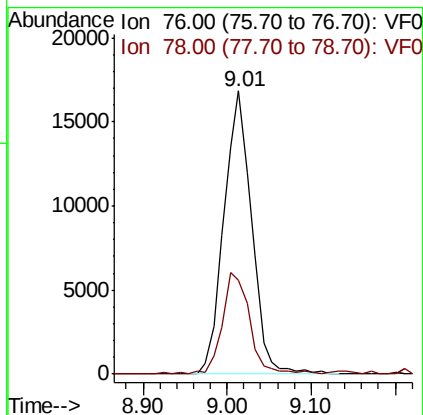
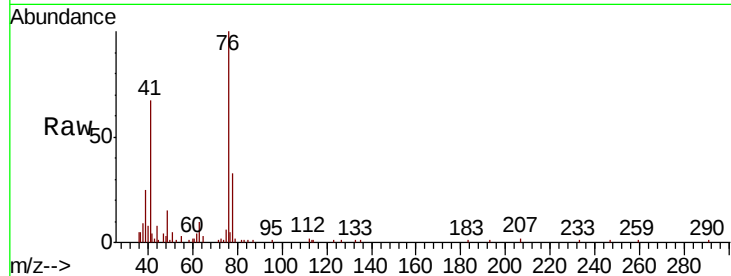
78 33.1 27.3 40.9

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#58

2-Chloroethyl Vinyl ether

Concen: 39.886 ug/l

RT: 7.79 min Scan# 726

Delta R.T. -0.00 min

Lab File: VF060532.D

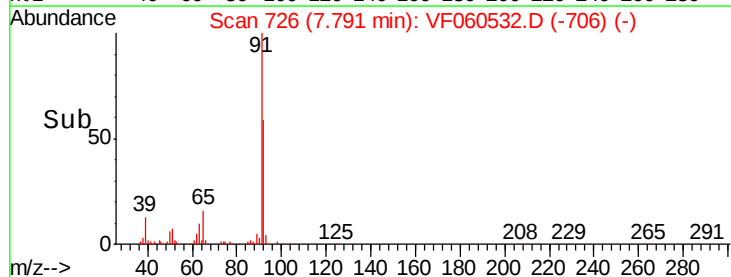
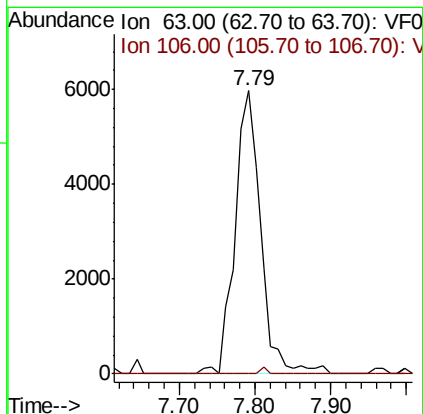
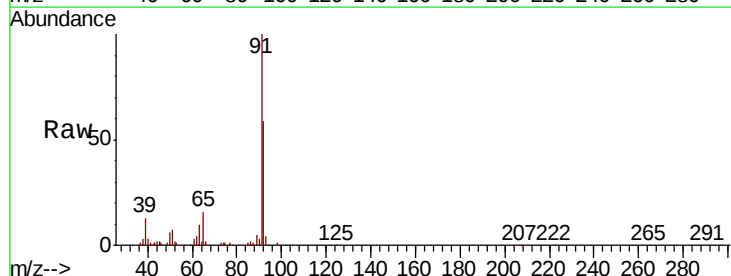
Acq: 29 Oct 2018 16:56

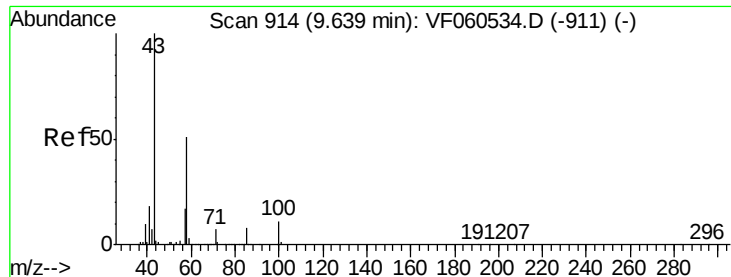
Tgt Ion: 63 Resp: 13955

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





#59

2-Hexanone

Concen: 39.258 ug/l

RT: 9.63 min Scan# 913

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 56450

Ion Ratio Lower Upper

43 100

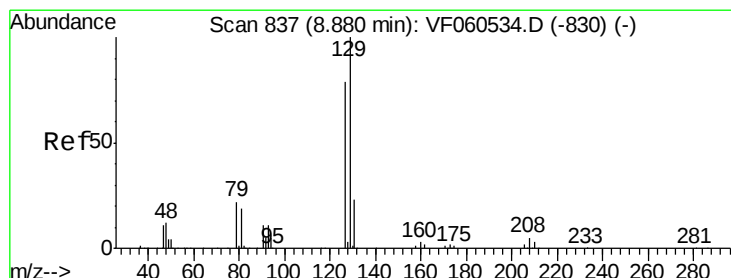
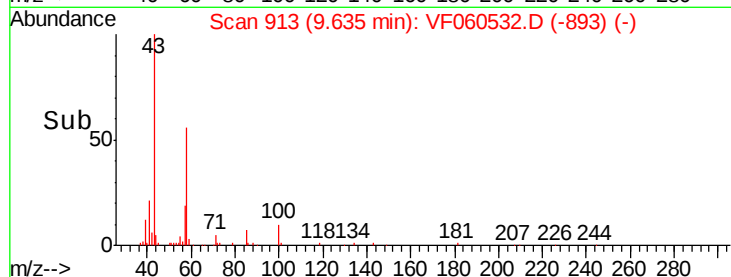
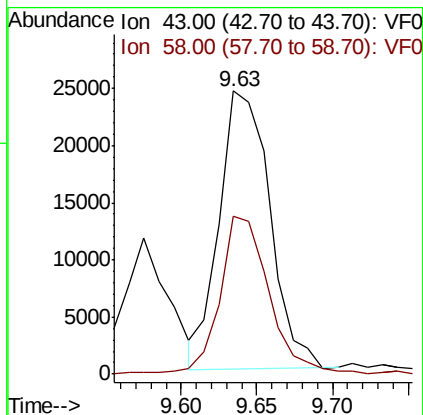
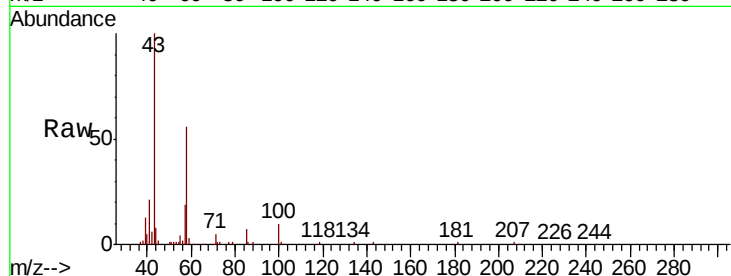
58 56.0 24.1 72.3

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#60

Dibromochloromethane

Concen: 7.587 ug/l

RT: 8.88 min Scan# 836

Delta R.T. -0.00 min

Lab File: VF060532.D

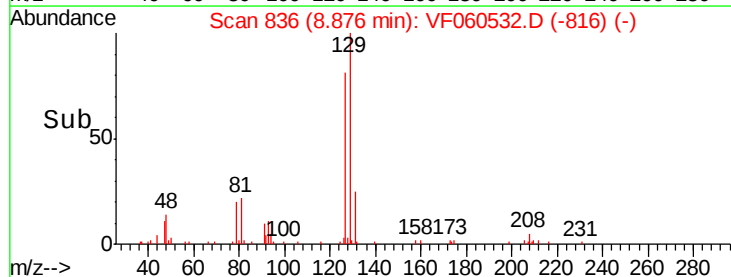
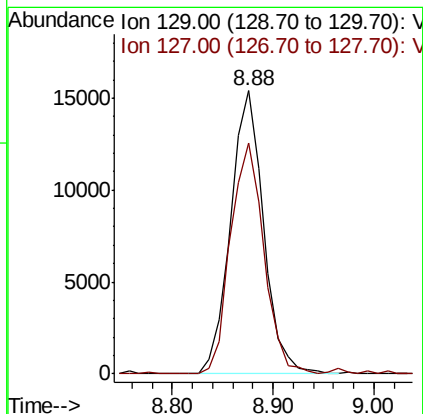
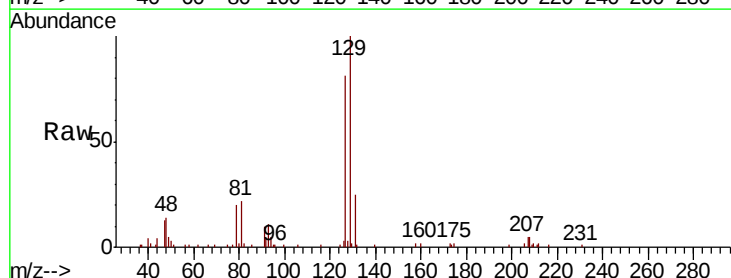
Acq: 29 Oct 2018 16:56

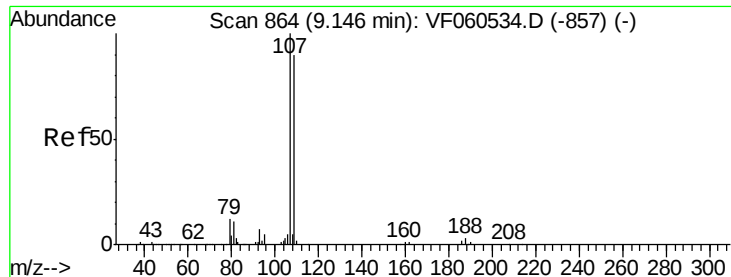
Tgt Ion: 129 Resp: 34966

Ion Ratio Lower Upper

129 100

127 80.2 39.6 119.0





#61

1,2-Dibromoethane

Concen: 8.774 ug/l

RT: 9.14 min Scan# 863

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 107 Resp: 25742

Ion Ratio Lower Upper

107 100

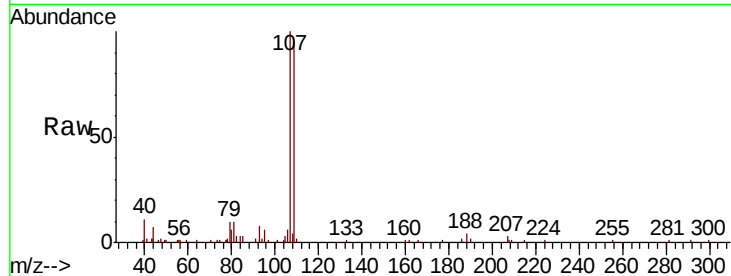
109 95.4 72.2 108.2

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.14

10000

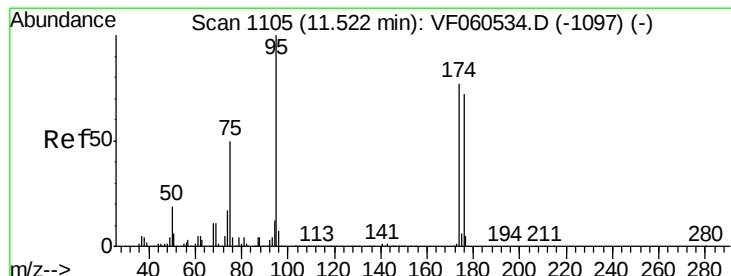
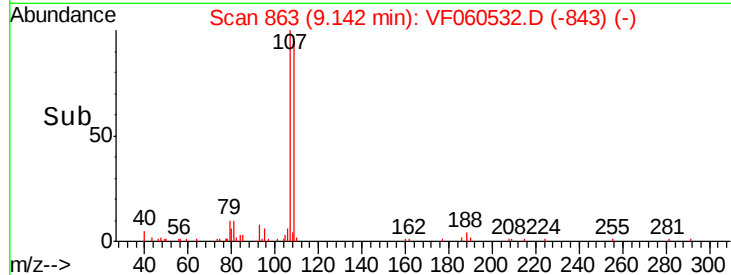
5000

0

Time-->

9.10

9.20



#62

4-Bromofluorobenzene

Concen: 8.313 ug/l

RT: 11.52 min Scan# 1104

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

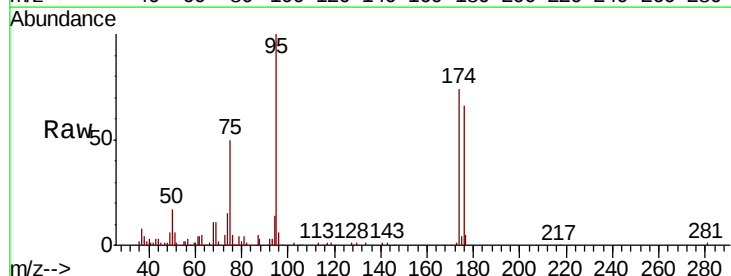
Tgt Ion: 95 Resp: 53335

Ion Ratio Lower Upper

95 100

174 73.6 0.0 153.8

176 66.4 0.0 143.6



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

11.52

40000

30000

20000

10000

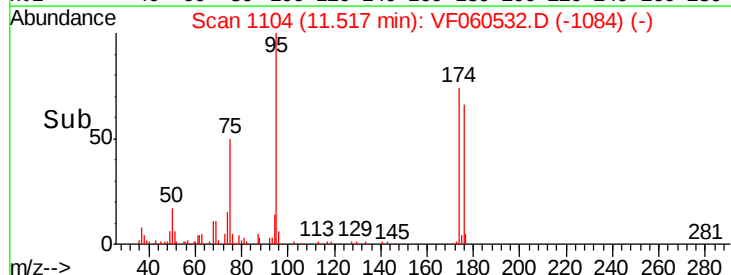
0

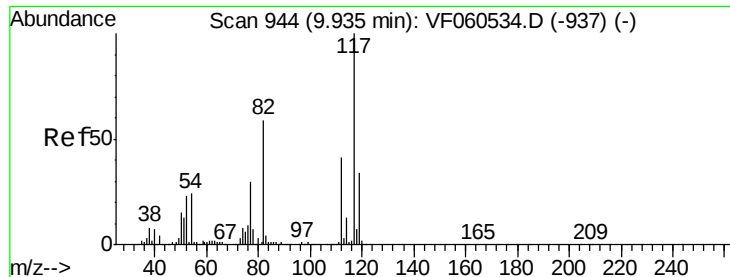
Time-->

11.40

11.50

11.60





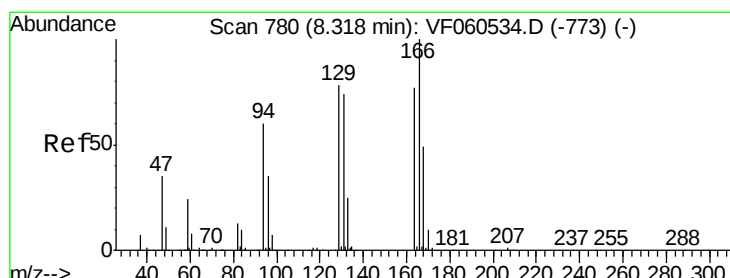
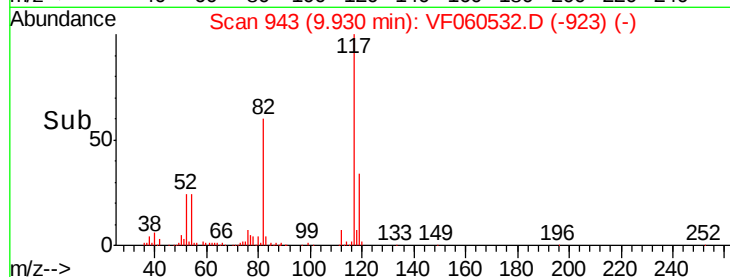
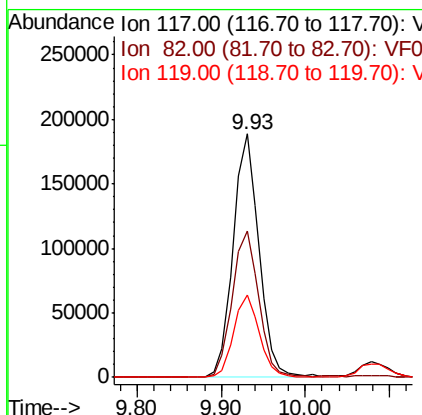
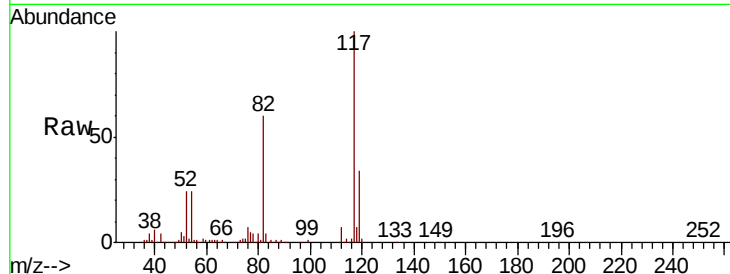
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.3	47.6	71.4
119	34.1	27.3	40.9

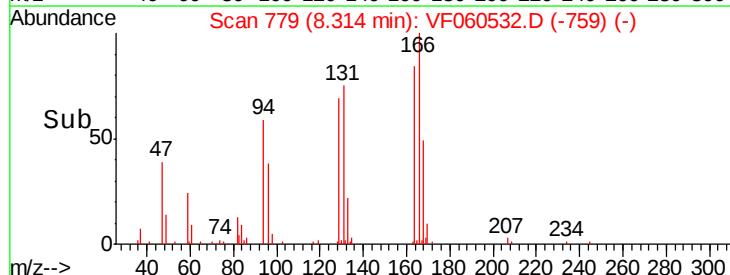
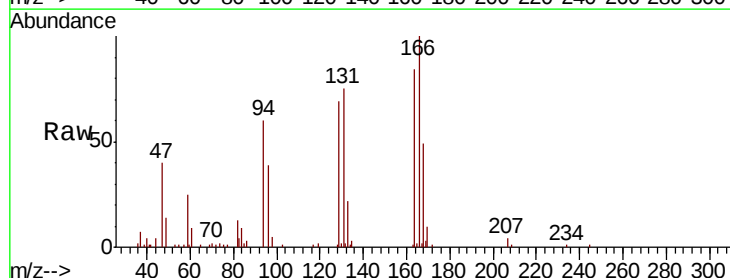
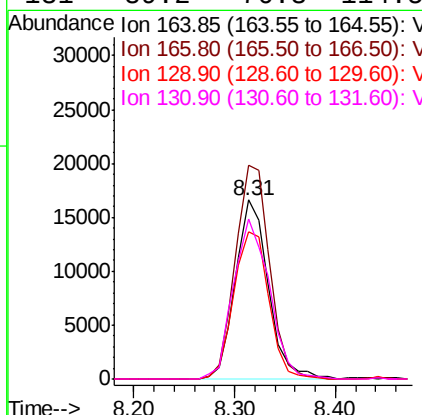
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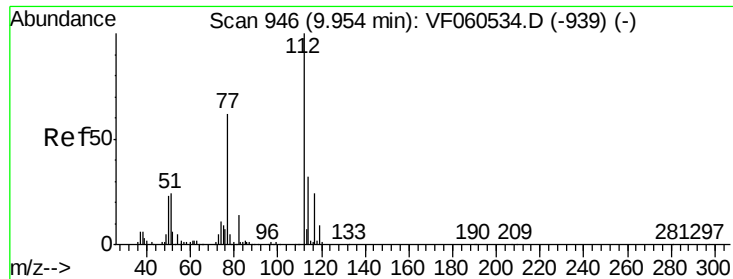
apatel
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#64
Tetrachloroethene
Concen: 10.839 ug/l
RT: 8.31 min Scan# 779
Delta R.T. -0.00 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.4	103.4	155.2
129	82.2	80.7	121.1
131	89.2	76.3	114.5





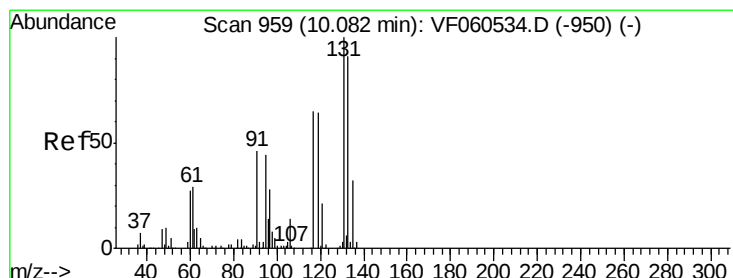
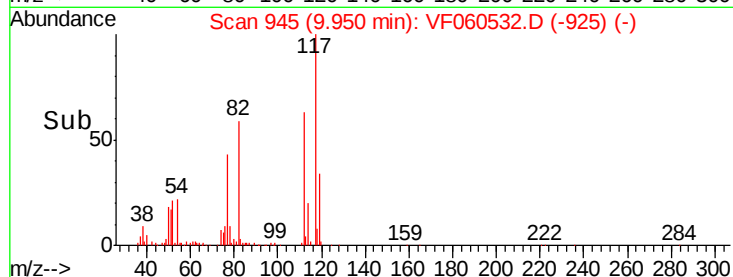
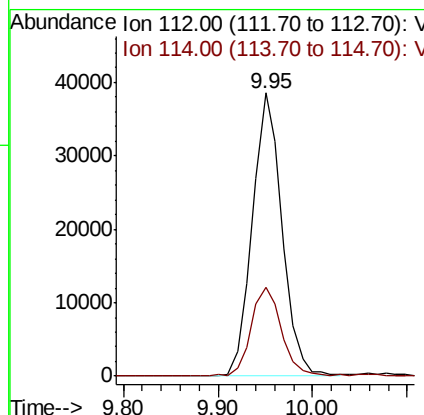
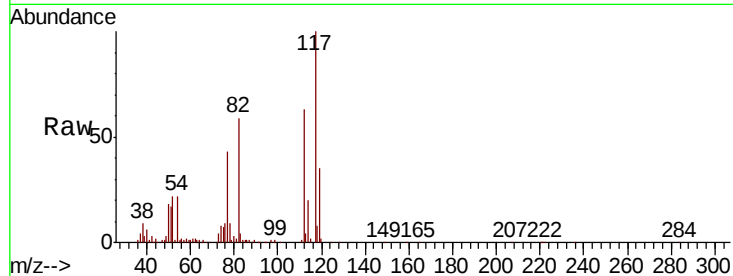
#65
Chlorobenzene
Concen: 9.776 ug/l
RT: 9.95 min Scan# 945
Delta R.T. -0.00 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 84066
Ion Ratio Lower Upper
112 100
114 31.4 25.5 38.3

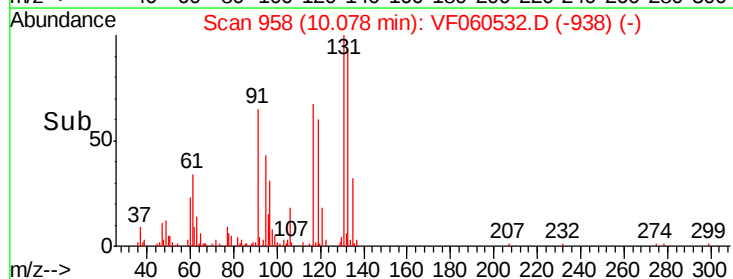
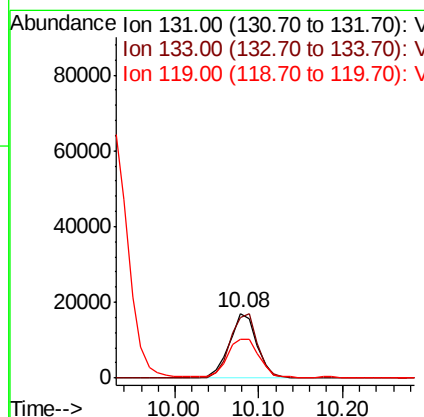
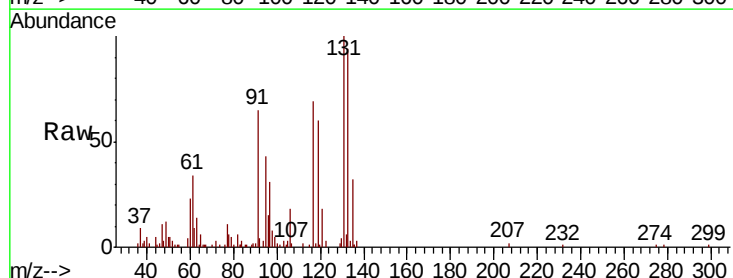
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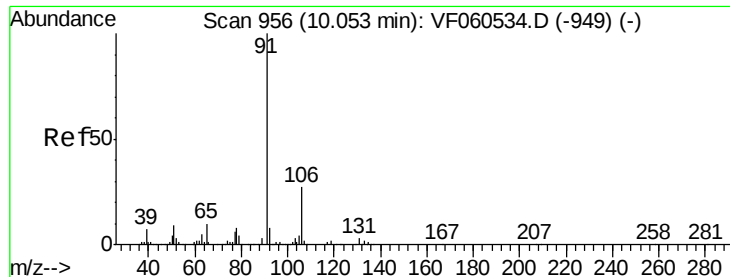
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 9.126 ug/l
RT: 10.08 min Scan# 958
Delta R.T. -0.00 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Tgt Ion:131 Resp: 39196
Ion Ratio Lower Upper
131 100
133 93.7 45.8 137.3
119 60.2 32.4 97.0





#67

Ethyl Benzene

Concen: 9.619 ug/l

RT: 10.05 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 166388

Ion Ratio Lower Upper

91 100

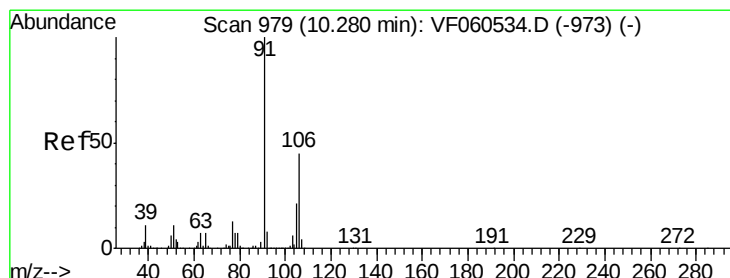
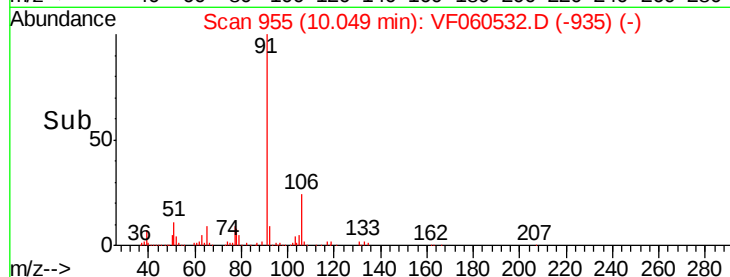
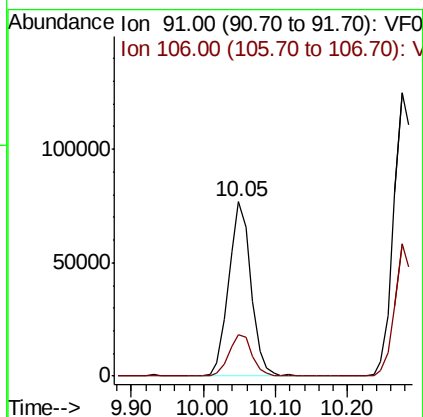
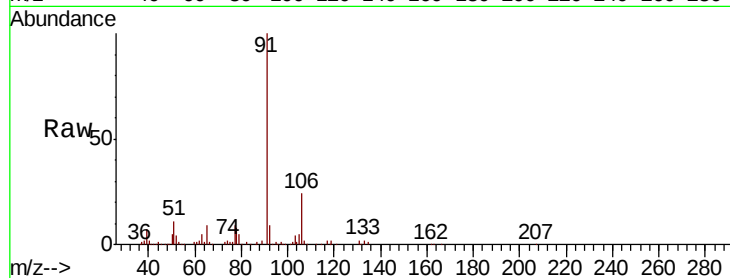
106 23.8 21.9 32.9

Manual Integrations

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#68

m/p-Xylenes

Concen: 21.434 ug/l

RT: 10.28 min Scan# 978

Delta R.T. -0.00 min

Lab File: VF060532.D

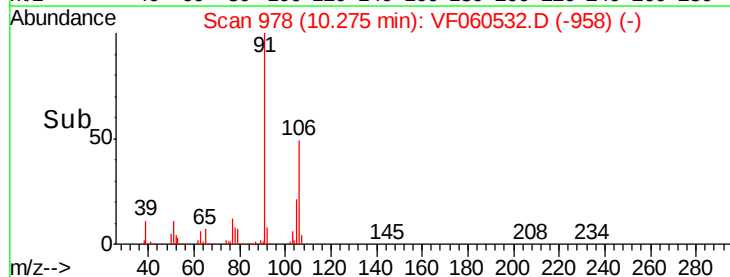
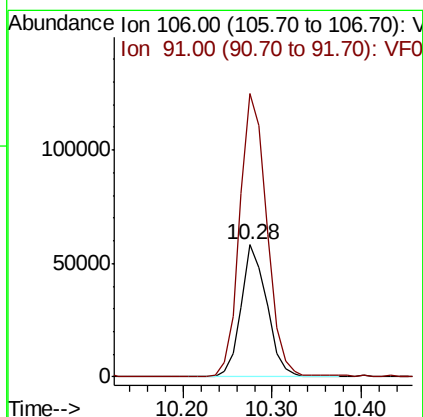
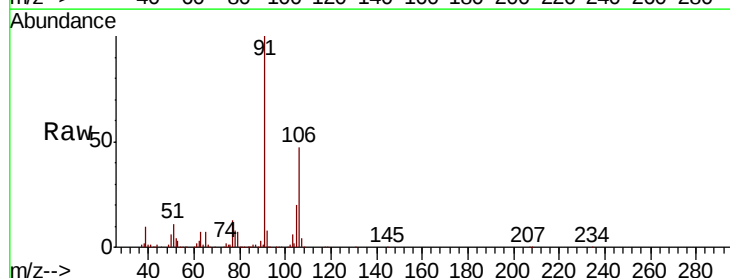
Acq: 29 Oct 2018 16:56

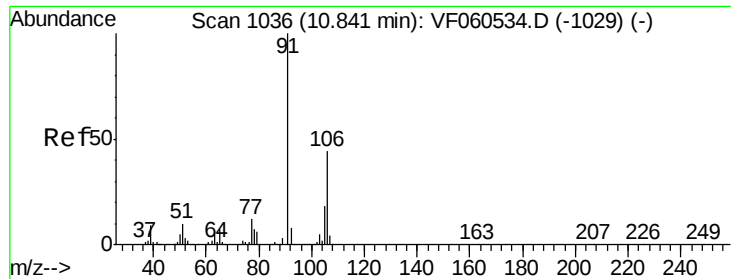
Tgt Ion: 106 Resp: 117383

Ion Ratio Lower Upper

106 100

91 214.1 176.2 264.2





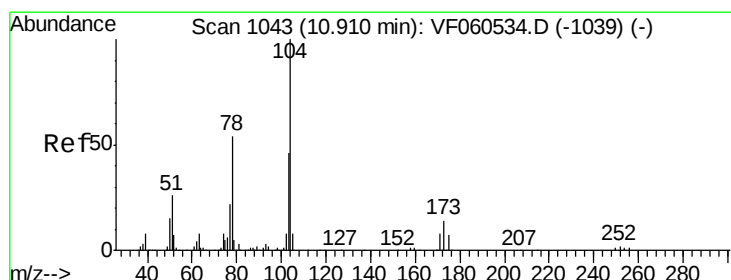
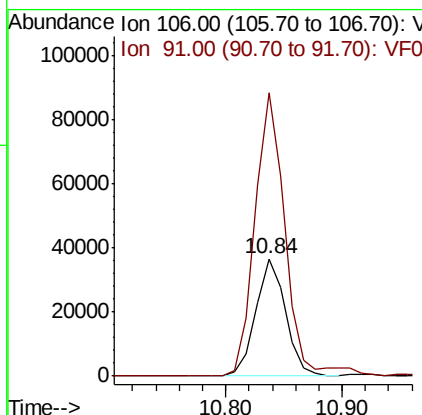
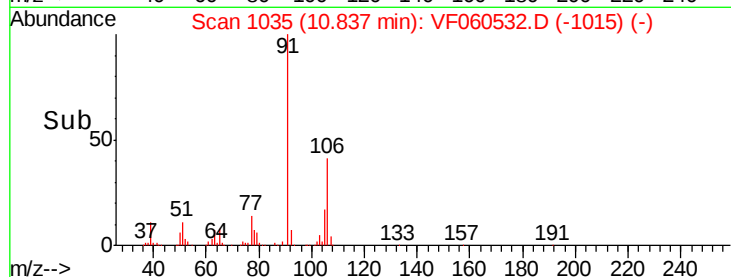
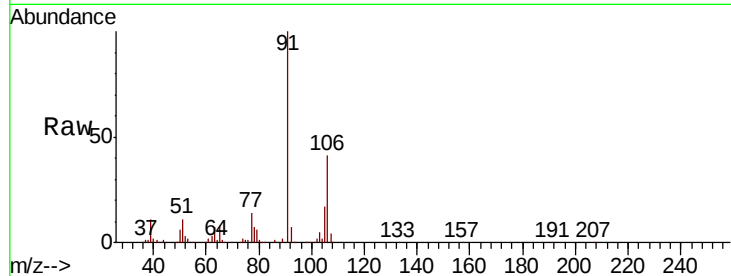
#69
o-Xylene
Concen: 10.484 ug/l
RT: 10.84 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 65055
Ion Ratio Lower Upper
106 100
91 241.8 112.9 338.8

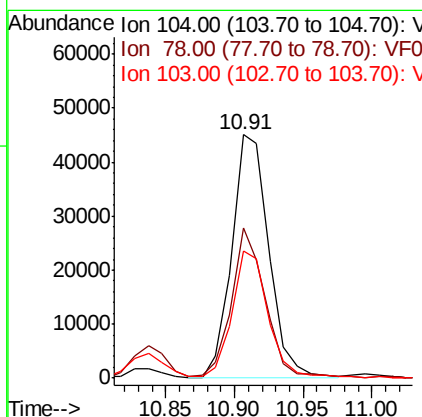
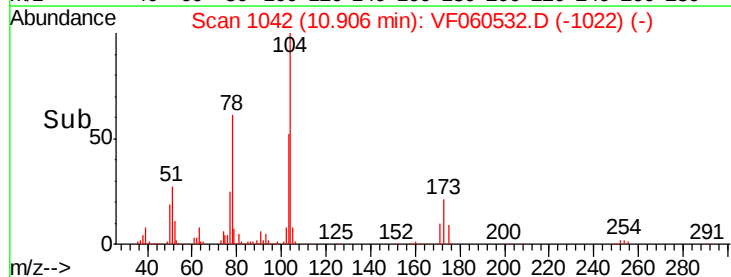
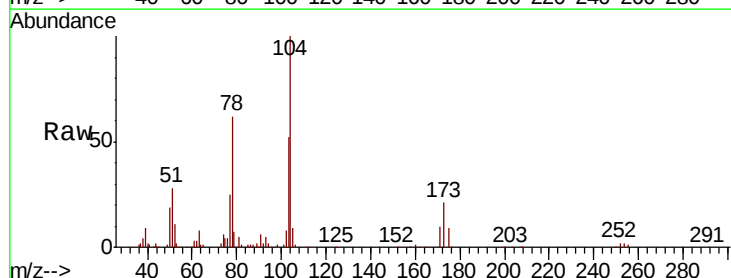
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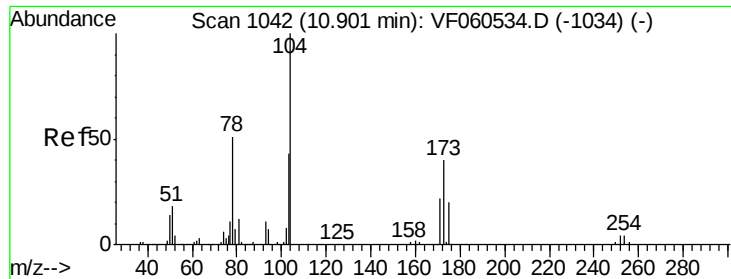
apatel
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#70
Styrene
Concen: 9.654 ug/l
RT: 10.91 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Tgt Ion:104 Resp: 83767
Ion Ratio Lower Upper
104 100
78 61.5 43.4 65.2
103 52.2 36.9 55.3





#71

Bromoform

Concen: 8.387 ug/l

RT: 10.91 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

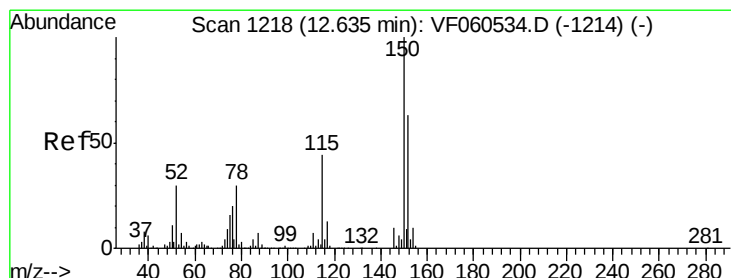
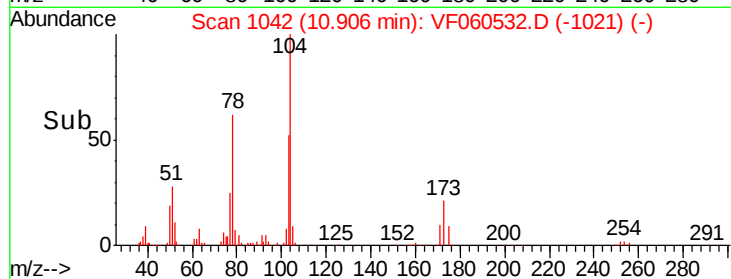
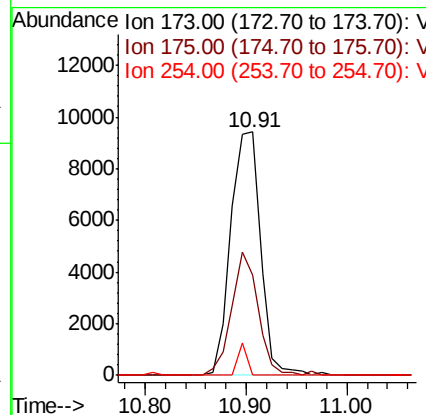
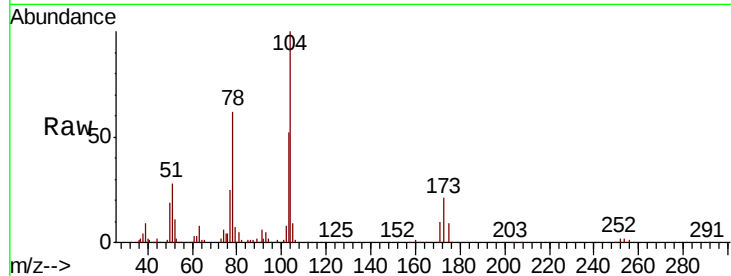
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	41.0	25.7	77.0
254	0.0	7.8	11.6

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

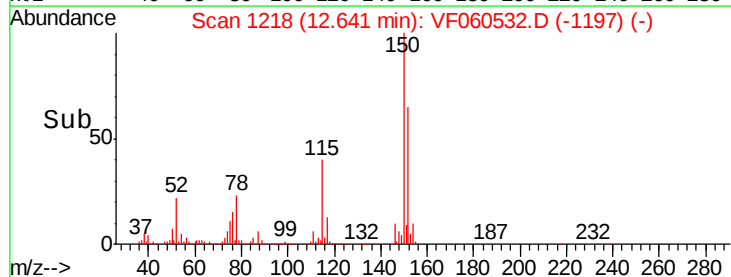
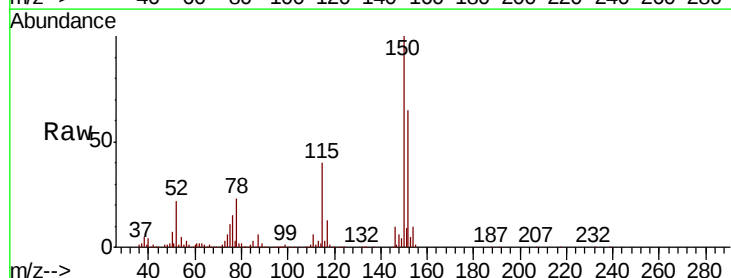
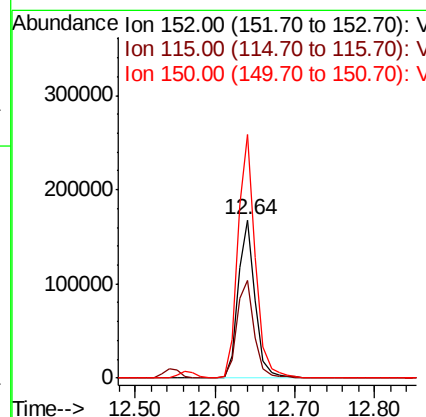
RT: 12.64 min Scan# 1218

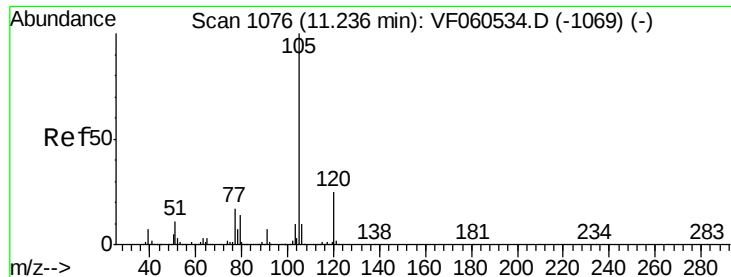
Delta R.T. 0.01 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	34.7	104.1
150	153.9	0.0	318.4





#73

Isopropylbenzene

Concen: 10.438 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

ClientSampled :

VSTDIC010

Tot Ion:105 Resp: 208236

Ion Ratio Lower Upper

105 100

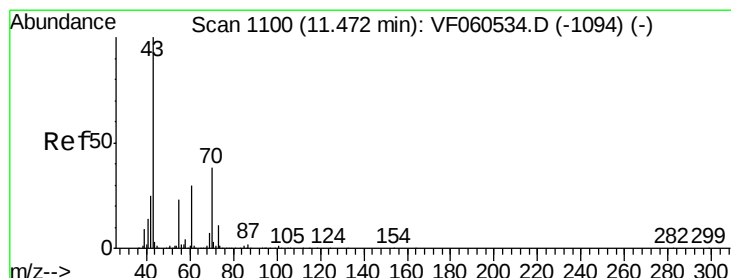
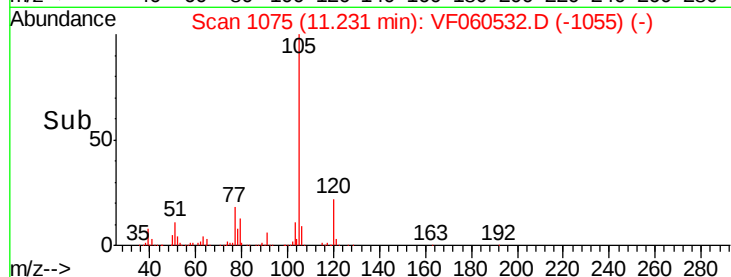
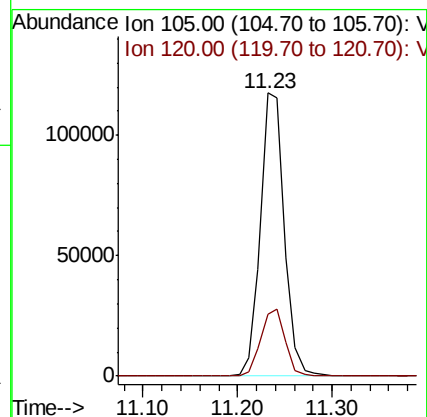
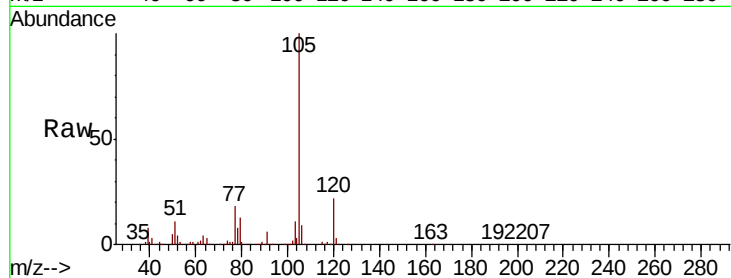
120 21.7 12.3 36.8

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#74

N-ethyl acetate

Concen: 10.312 ug/l

RT: 11.47 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Tgt Ion: 43 Resp: 37353

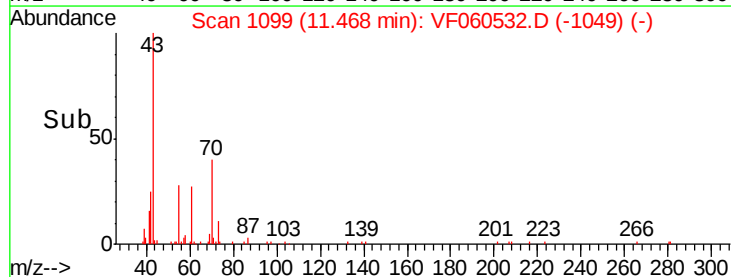
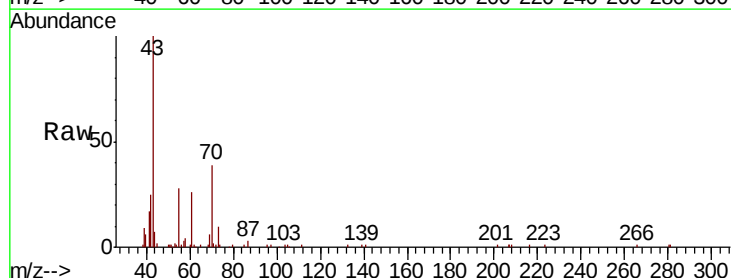
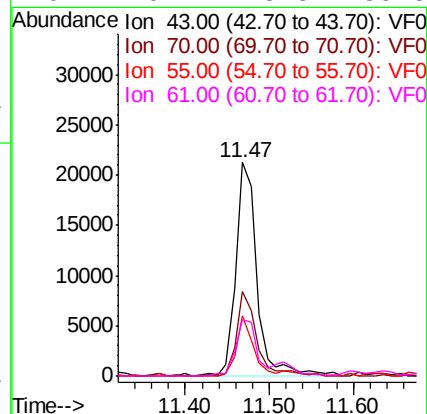
Ion Ratio Lower Upper

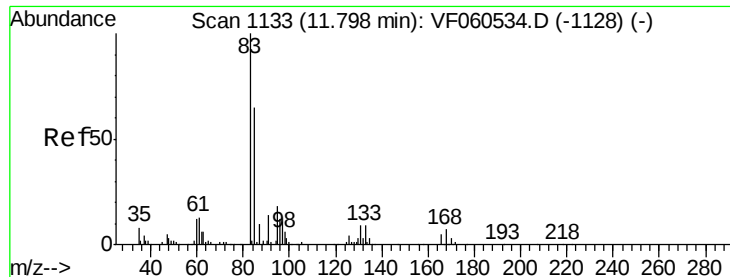
43 100

70 39.4 30.8 46.2

55 28.0 18.2 27.4#

61 26.2 23.8 35.8





#75

1,1,2,2-Tetrachloroethane

Concen: 11.135 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

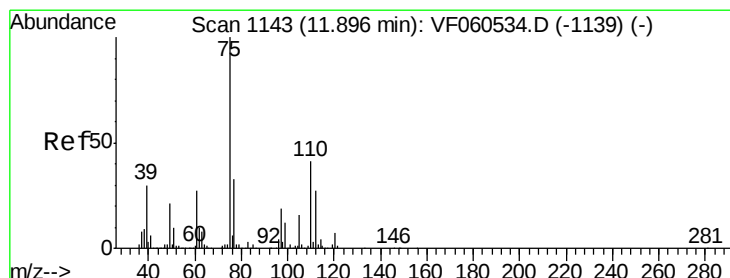
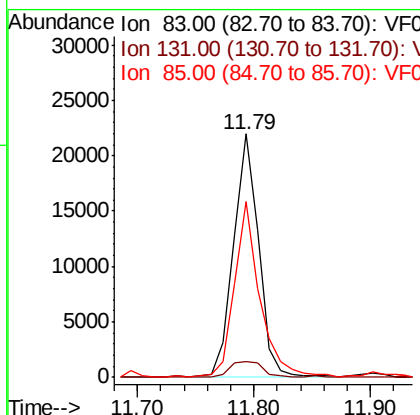
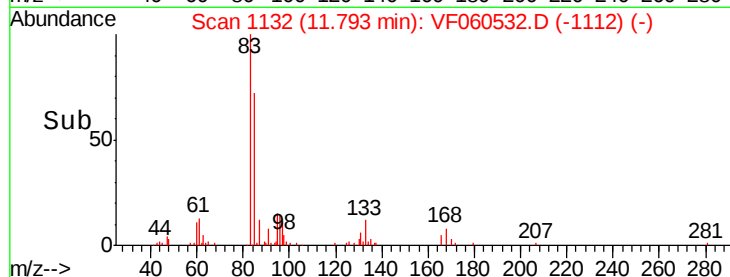
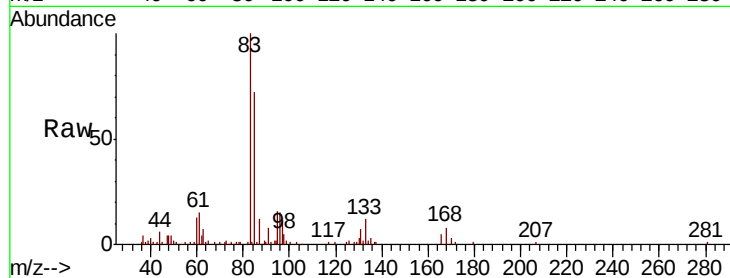
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	32961
Ion Ratio	Lower	Upper	
83	100		
131	6.7	4.7	14.0
85	72.0	32.4	97.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 9.139 ug/l

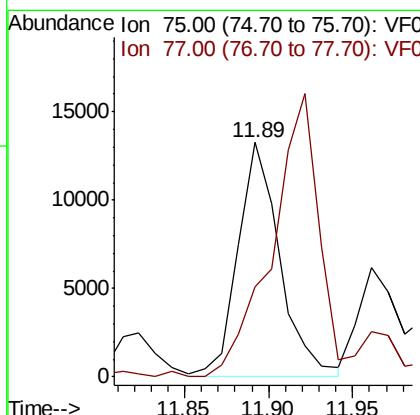
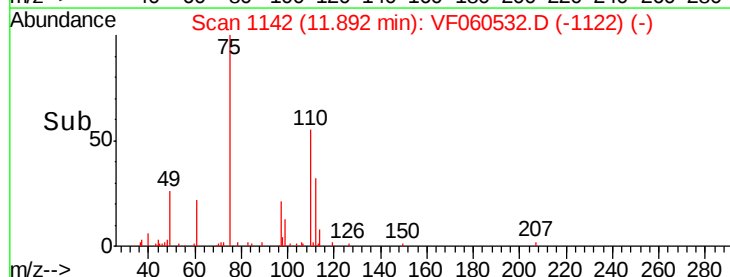
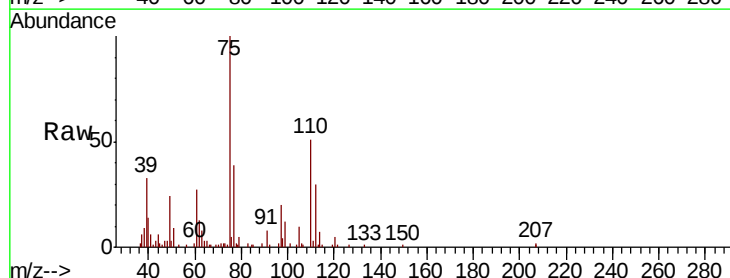
RT: 11.89 min Scan# 1142

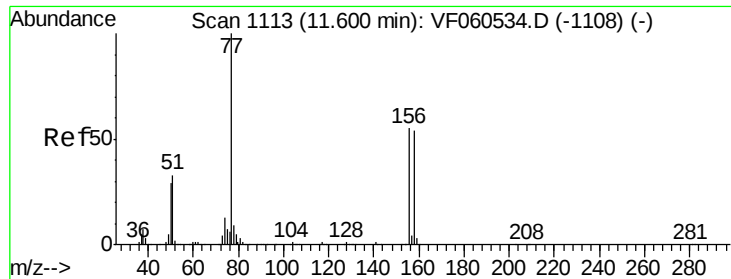
Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Tgt Ion:	75	Resp:	22985
Ion Ratio	Lower	Upper	
75	100		
77	38.6	16.7	50.1





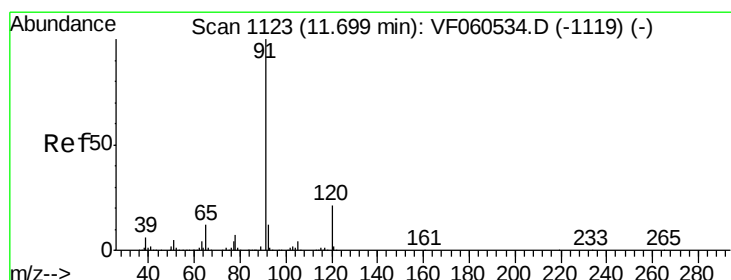
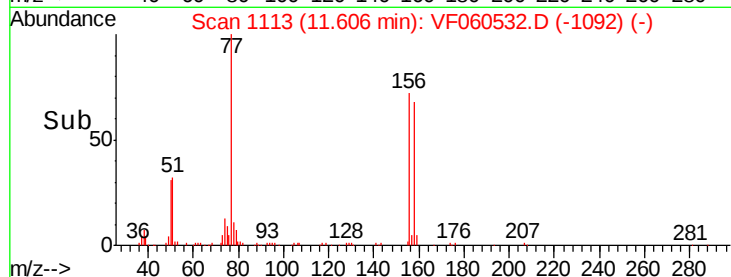
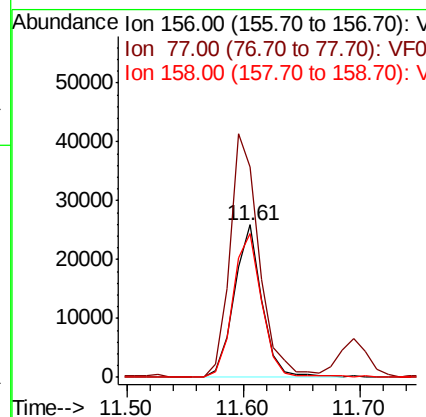
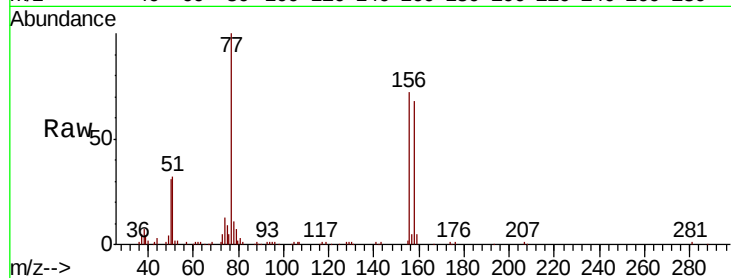
#77
Bromobenzene
Concen: 10.175 ug/l
RT: 11.61 min Scan# 1113
Delta R.T. 0.01 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	138.3	91.3	274.1	
158	94.7	49.3	147.9	

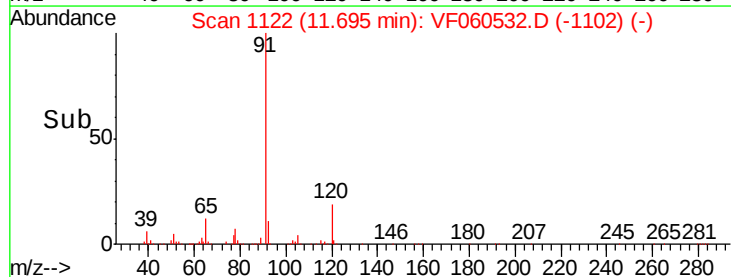
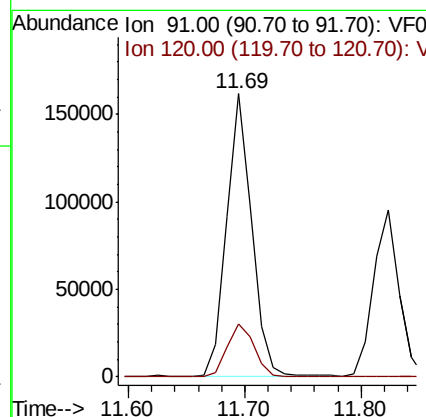
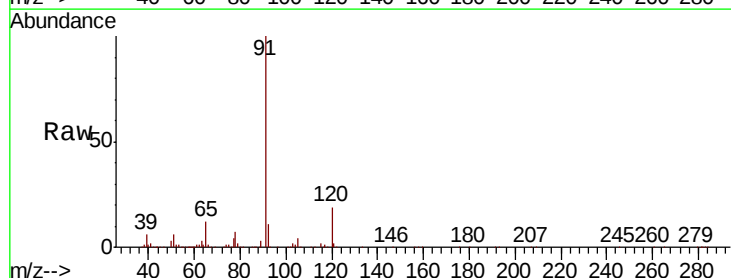
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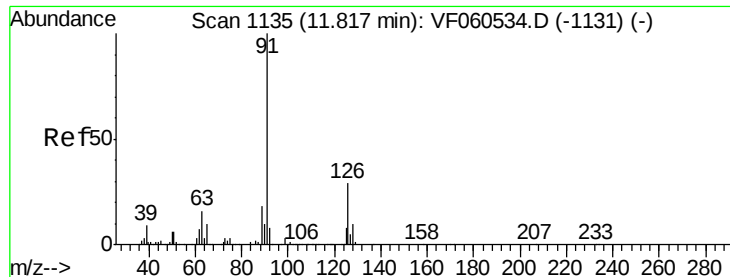
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#78
n-propylbenzene
Concen: 10.474 ug/l
RT: 11.69 min Scan# 1122
Delta R.T. -0.00 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	18.7	10.7	32.1	





#79

2-Chlorotoluene

Concen: 10.245 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

ClientSampled :

VSTDIC010

Tot Ion: 91 Resp: 144395

Ion Ratio Lower Upper

91 100

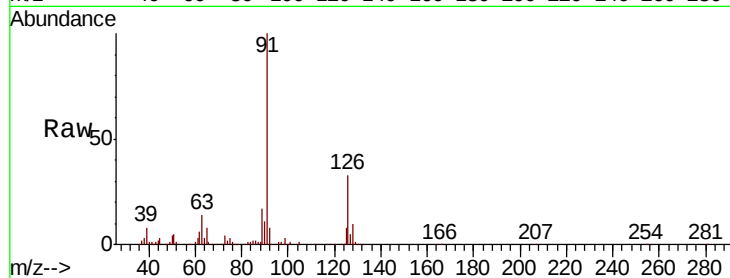
126 32.8 14.2 42.8

Manual Integrations

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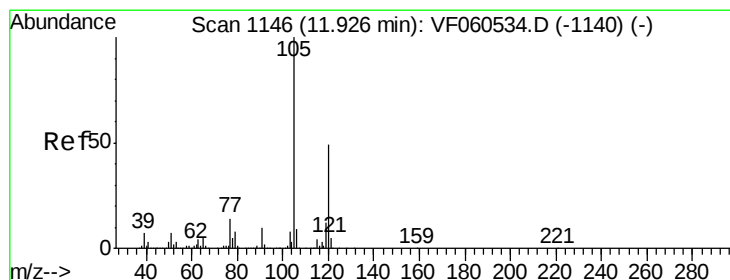
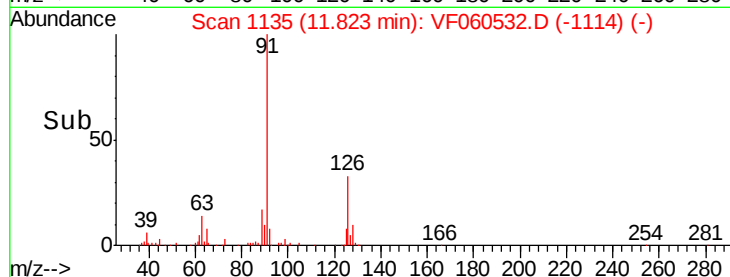
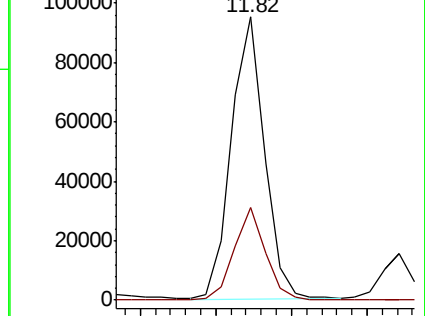
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 10.456 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VF060532.D

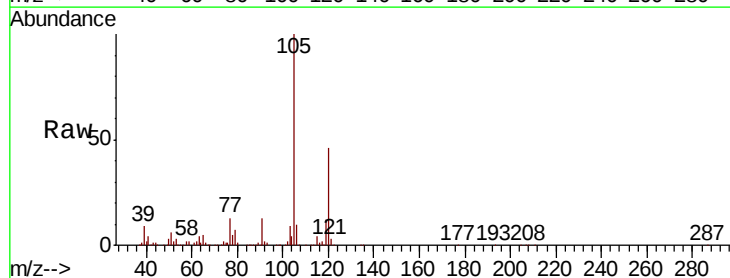
Acq: 29 Oct 2018 16:56

Tgt Ion:105 Resp: 182578

Ion Ratio Lower Upper

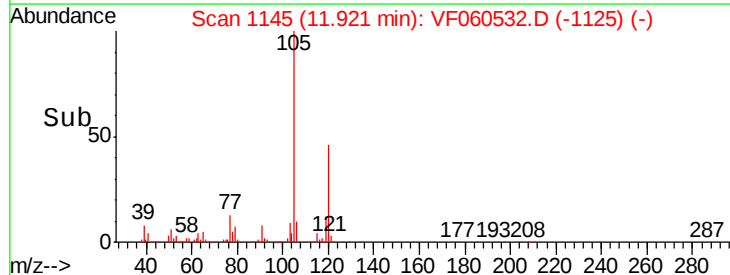
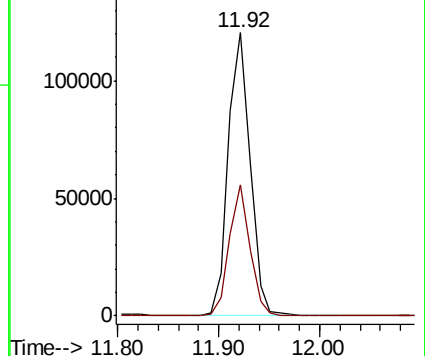
105 100

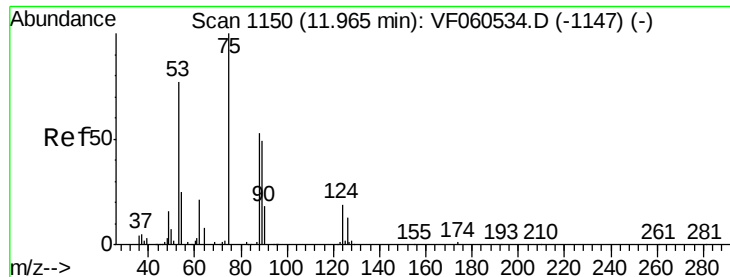
120 46.5 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 9.152 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

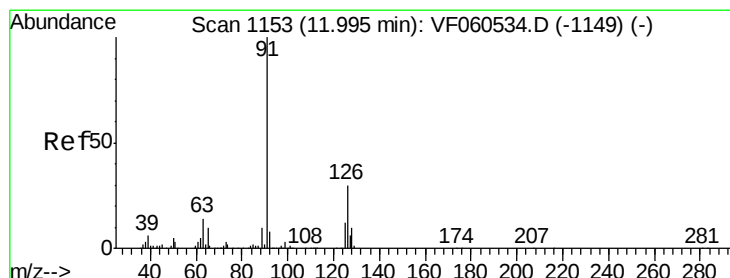
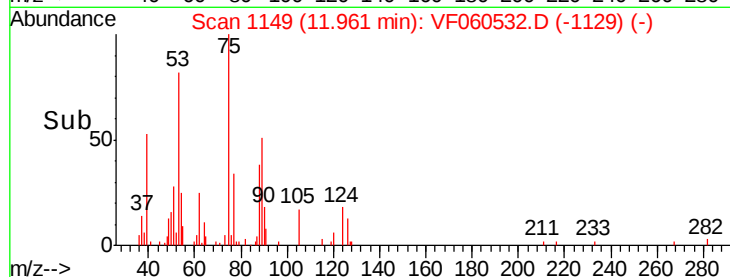
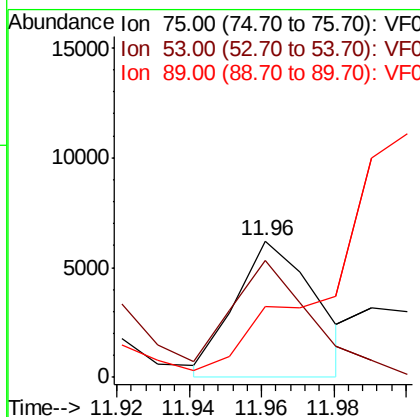
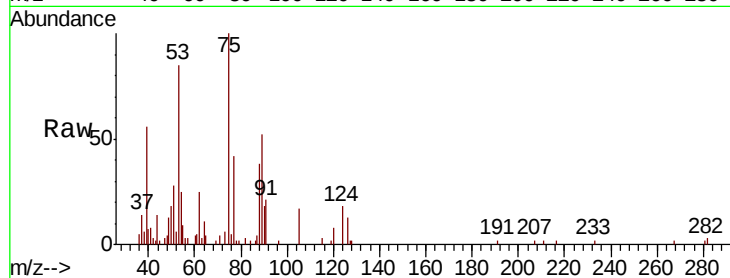
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	9668
Ion	Ratio	Lower	Upper
75	100		
53	85.4	65.8	98.6
89	52.3	44.0	66.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 10.129 ug/l

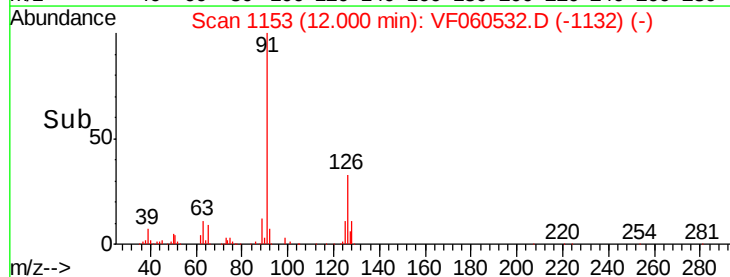
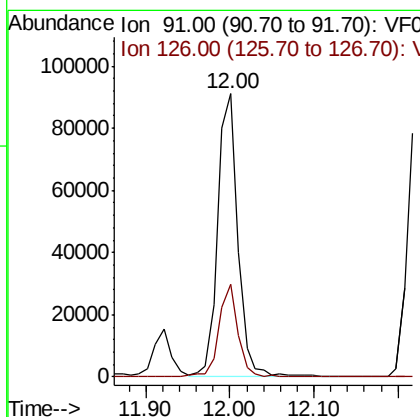
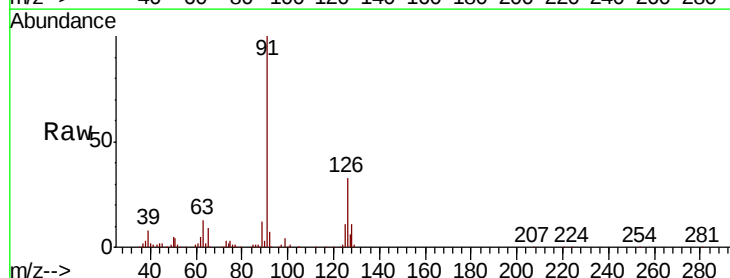
RT: 12.00 min Scan# 1153

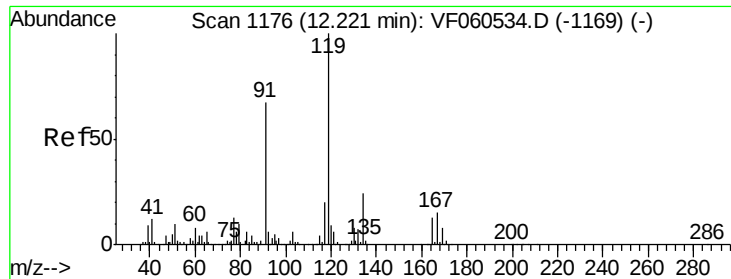
Delta R.T. 0.01 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Tgt Ion:	91	Resp:	151143
Ion	Ratio	Lower	Upper
91	100		
126	32.9	15.1	45.3





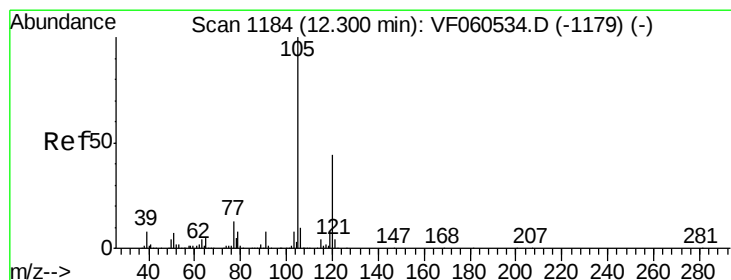
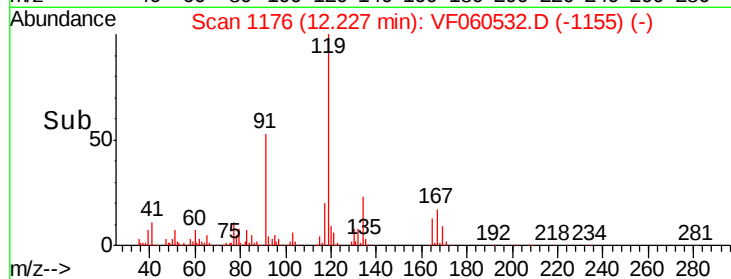
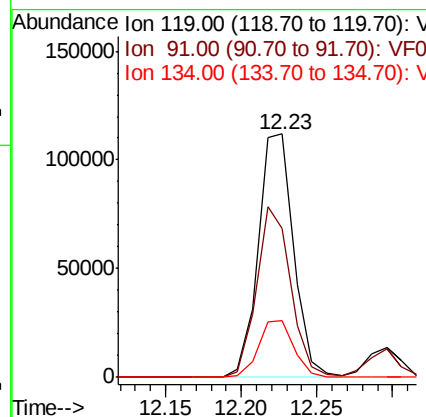
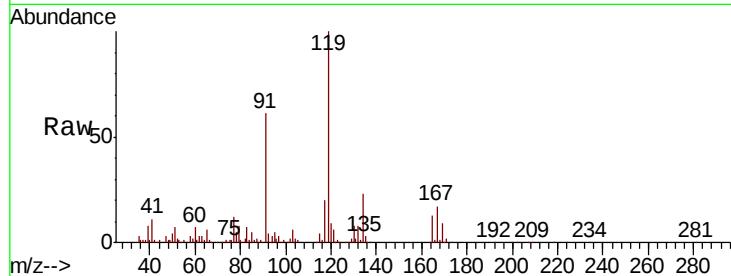
#83
tert-Butylbenzene
Concen: 10.557 ug/l
RT: 12.23 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	183717		
91	61.0	33.6	100.8	
134	23.3	12.0	36.0	

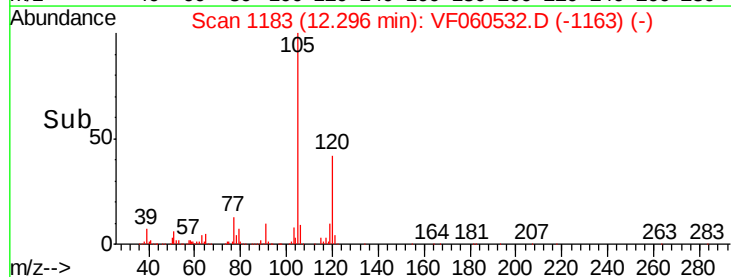
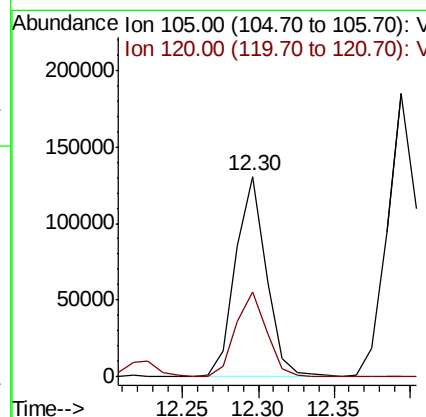
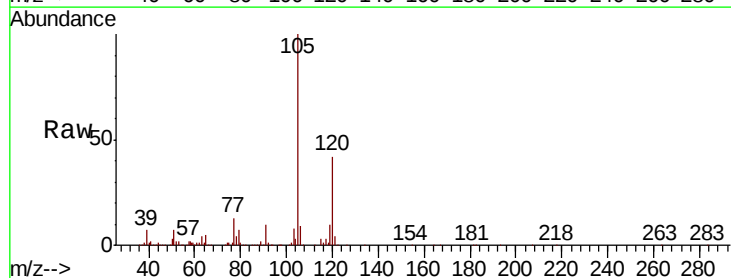
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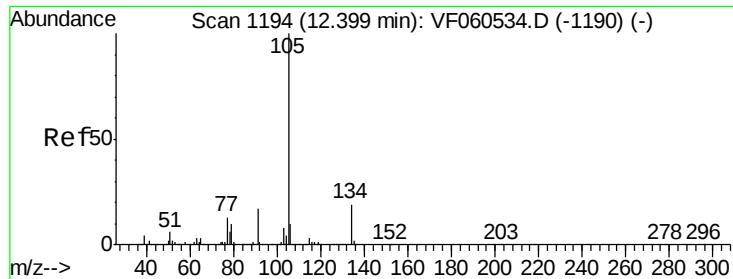
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#84
1,2,4-Trimethylbenzene
Concen: 10.715 ug/l
RT: 12.30 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	185222		
120	42.2	22.0	66.0	





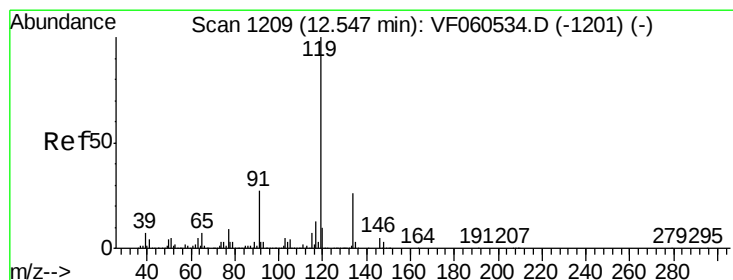
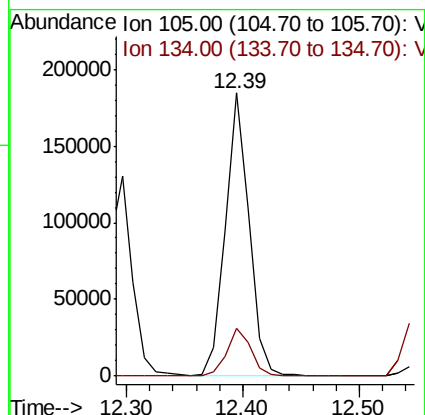
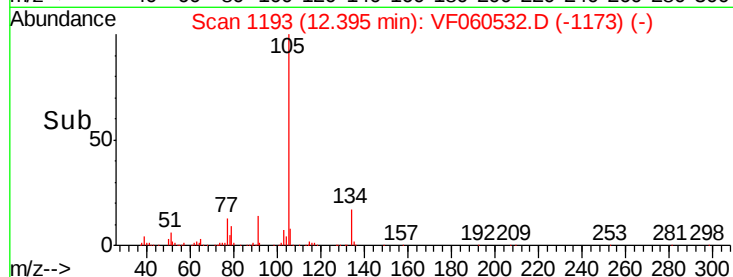
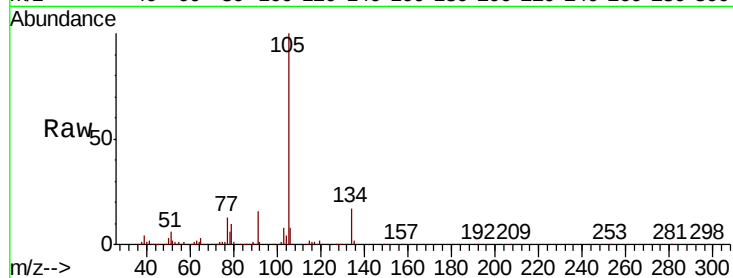
#85
 sec-Butylbenzene
 Concen: 10.959 ug/l
 RT: 12.39 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VF060532.D
 Acq: 29 Oct 2018 16:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.1	9.6	28.6

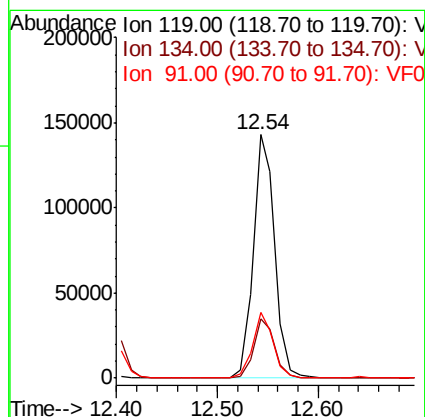
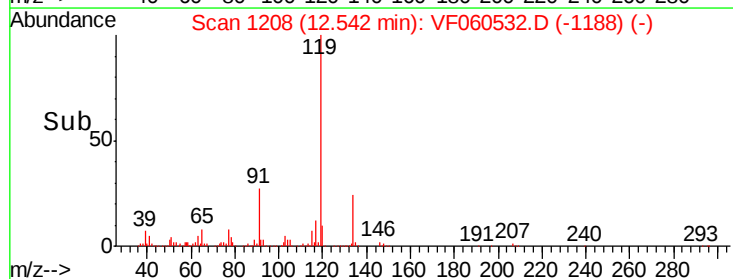
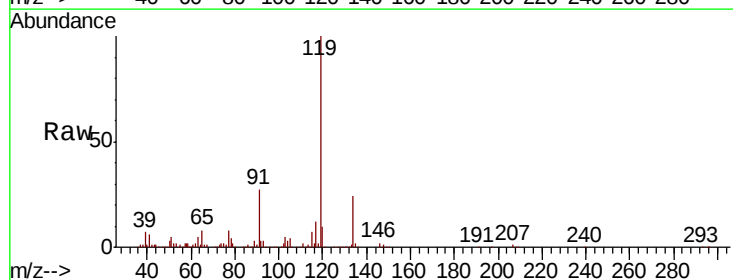
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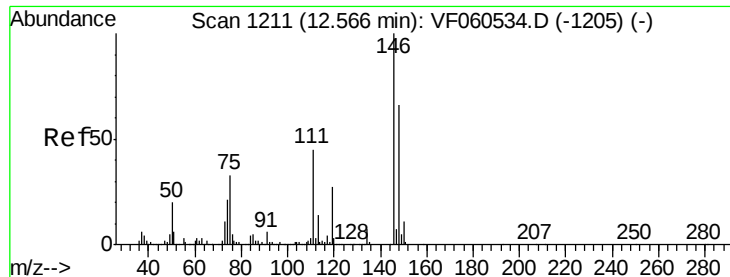
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#86
 p-Isopropyltoluene
 Concen: 10.643 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VF060532.D
 Acq: 29 Oct 2018 16:56

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.1	13.1	39.1
91	27.2	13.5	40.4





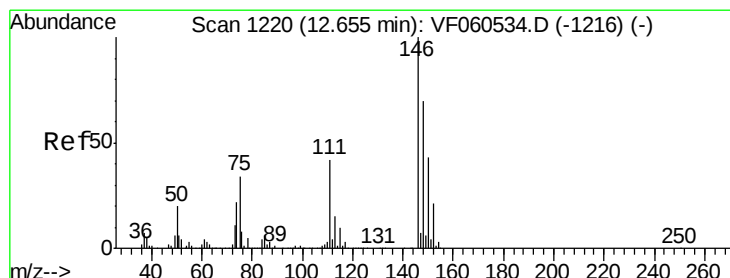
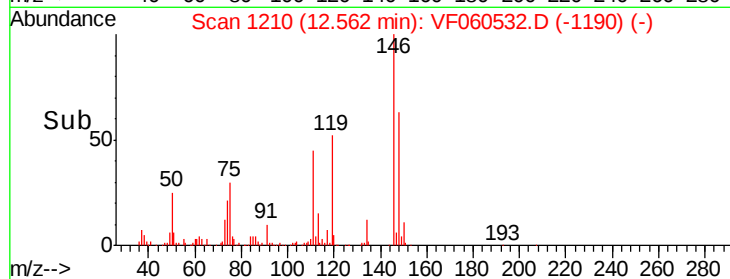
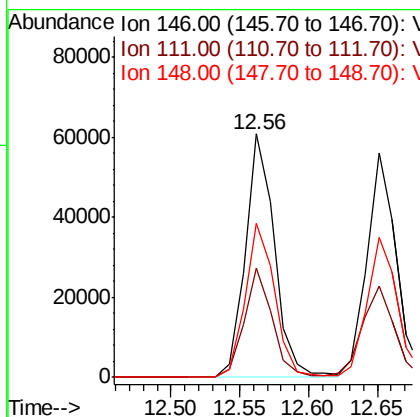
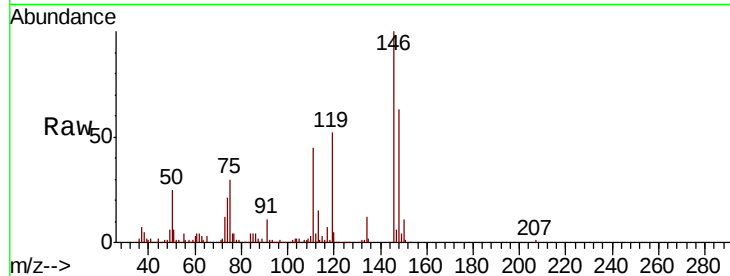
#87
 1,3-Dichlorobenzene
 Concen: 10.615 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060532.D
 Acq: 29 Oct 2018 16:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	22.6	67.7
148	63.0	33.1	99.3

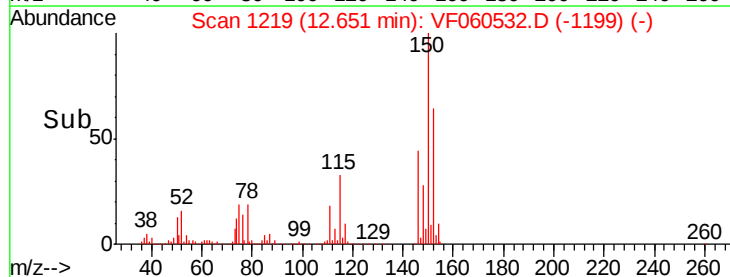
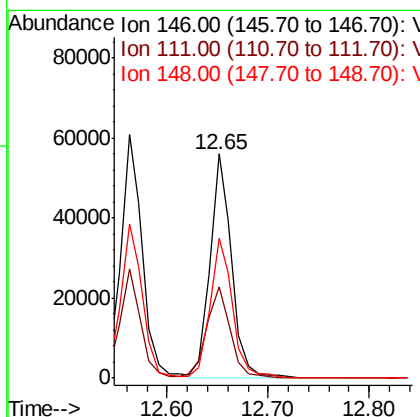
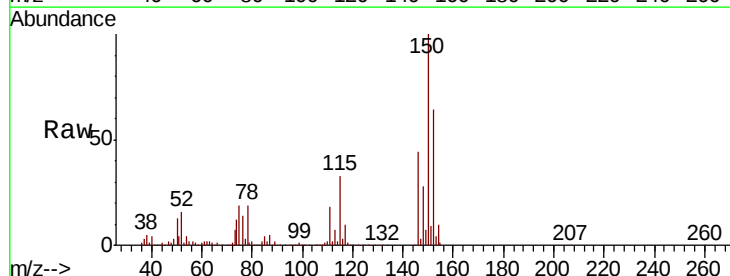
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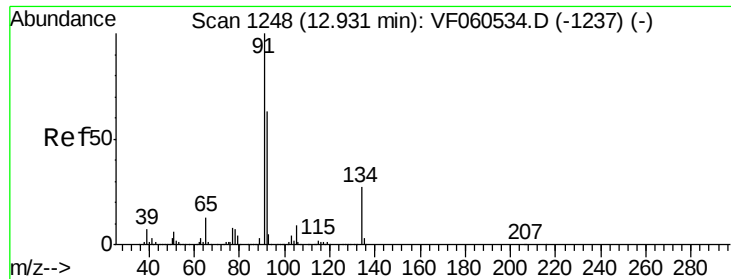
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#88
 1,4-Dichlorobenzene
 Concen: 10.337 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF060532.D
 Acq: 29 Oct 2018 16:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.2	63.6
148	62.6	35.1	105.5





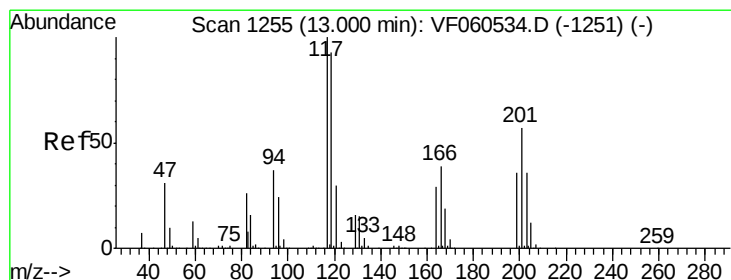
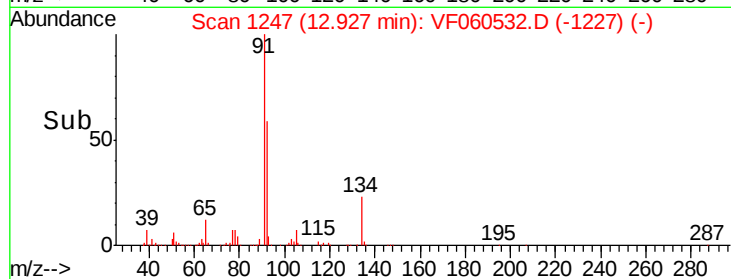
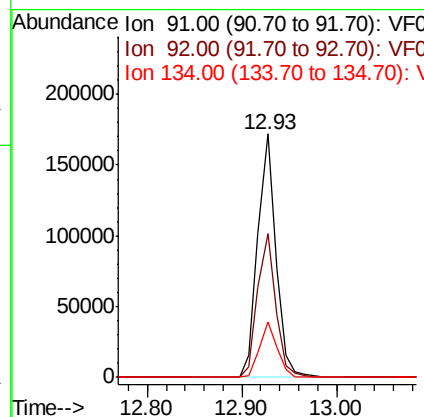
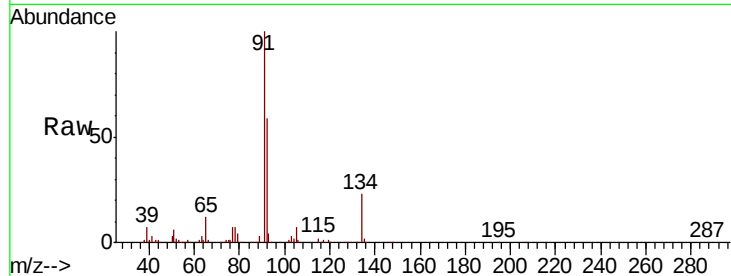
#89
n-Butylbenzene
Concen: 10.809 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.0	31.3	93.9
134	22.5	13.3	39.8

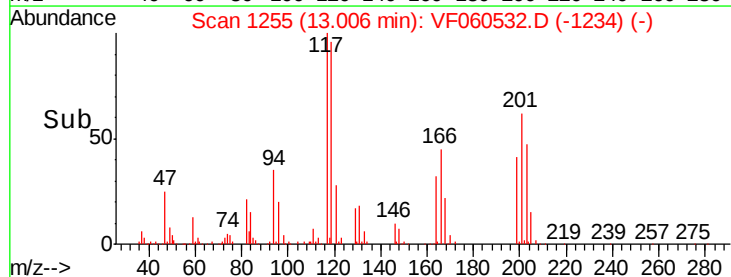
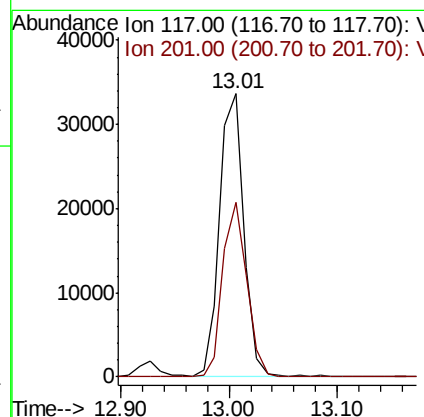
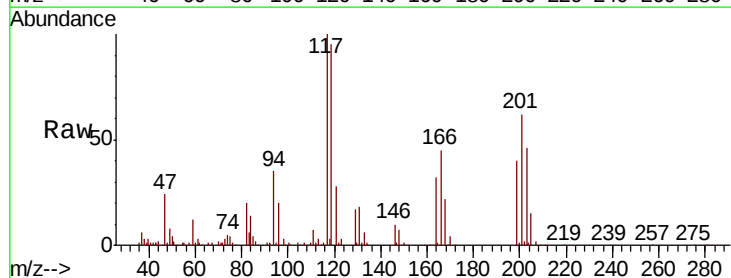
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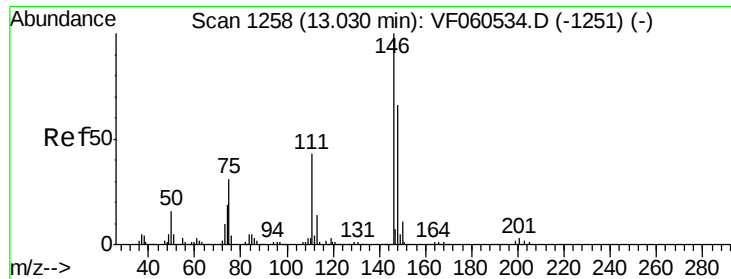
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#90
Hexachloroethane
Concen: 10.097 ug/l
RT: 13.01 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.4	28.2	84.7





#91

1,2-Dichlorobenzene

Concen: 10.507 ug/l

RT: 13.03 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Instrument :

MSVOA_F

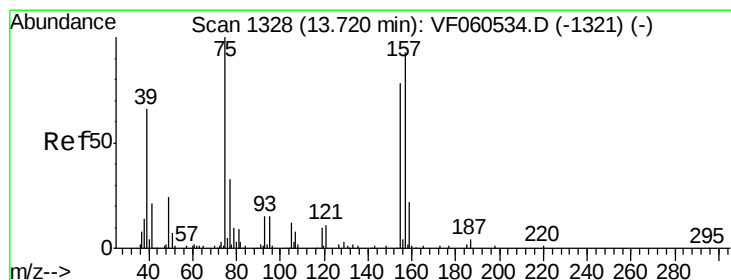
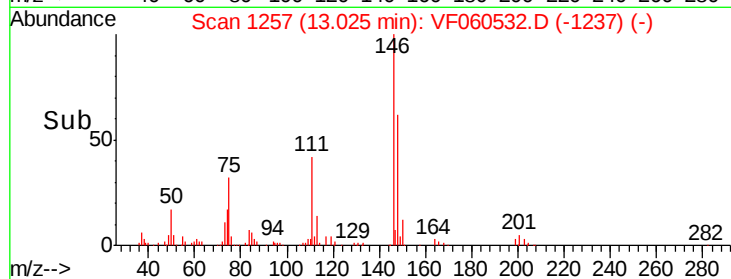
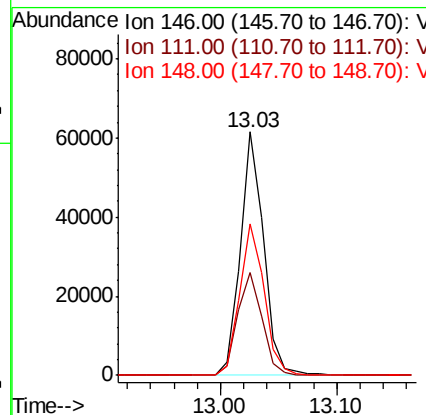
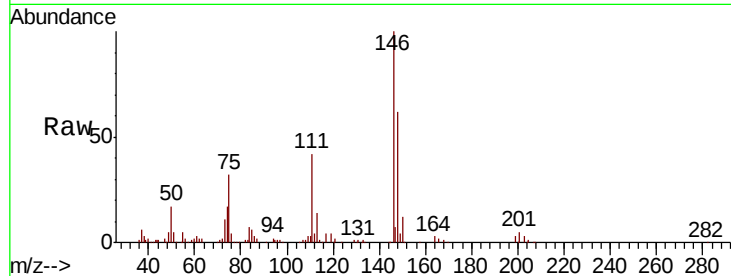
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	85549
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.5	64.5
148	62.3	33.1	99.5

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#92

1,2-Dibromo-3-Chloropropane

Concen: 8.759 ug/l

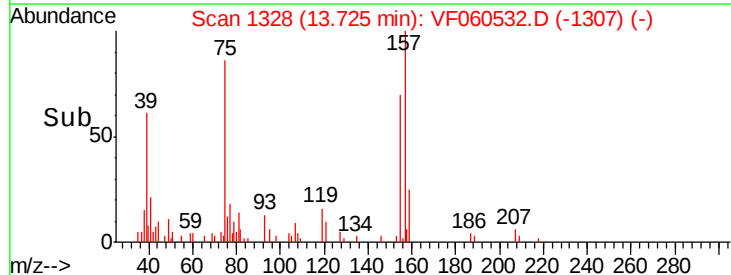
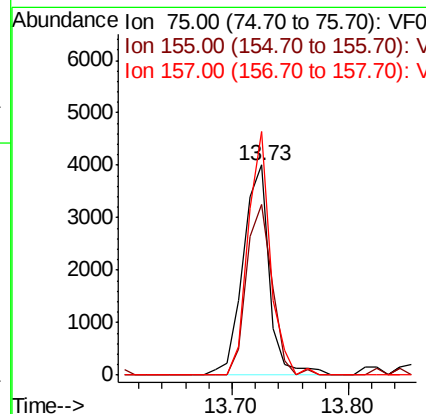
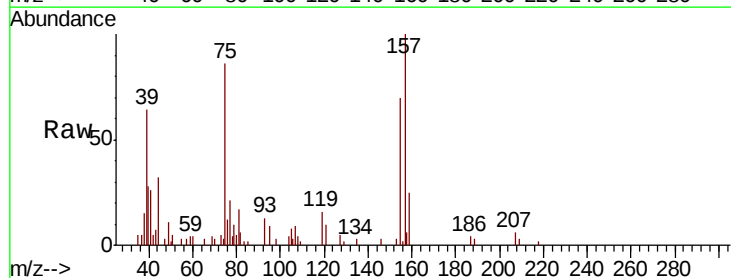
RT: 13.73 min Scan# 1328

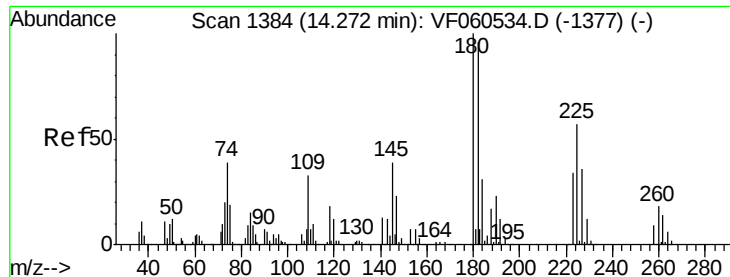
Delta R.T. 0.01 min

Lab File: VF060532.D

Acq: 29 Oct 2018 16:56

Tgt Ion:	75	Resp:	6298
Ion	Ratio	Lower	Upper
75	100		
155	80.9	40.8	122.5
157	122.6	46.5	139.5





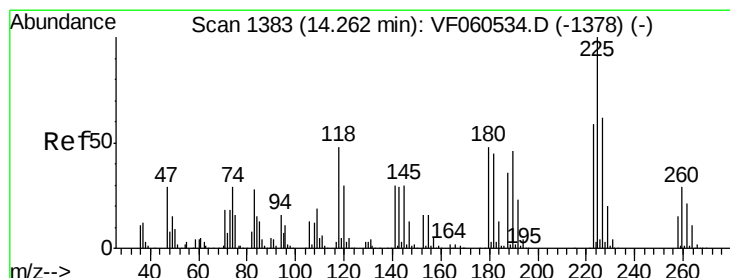
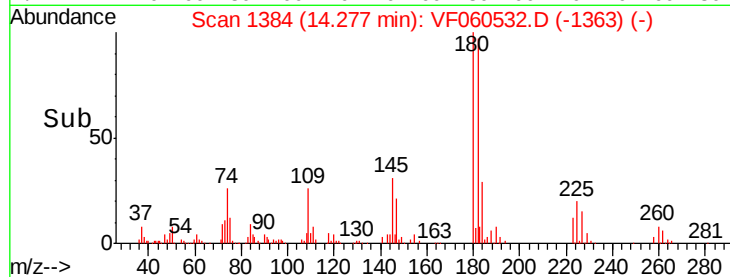
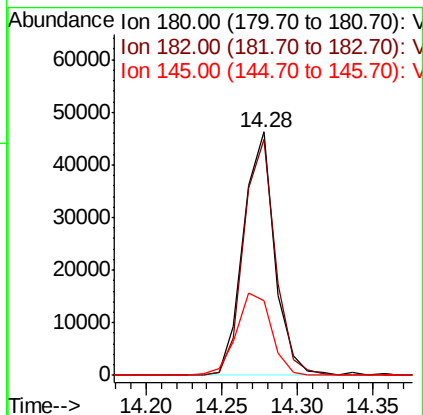
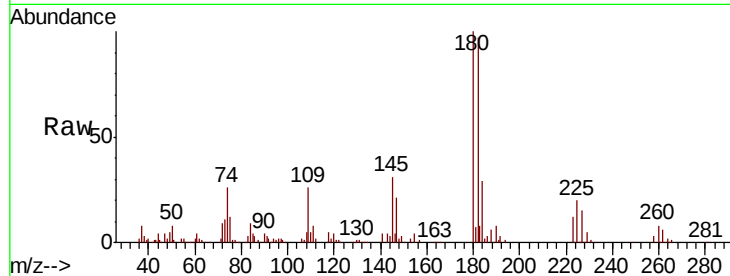
#93
 1,2,4-Trichlorobenzene
 Concen: 10.202 ug/l
 RT: 14.28 min Scan# 1384
 Delta R.T. 0.01 min
 Lab File: VF060532.D
 Acq: 29 Oct 2018 16:56

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.1	144.3
145	30.6	19.5	58.5

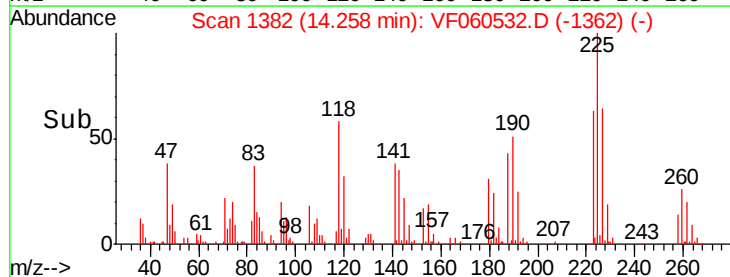
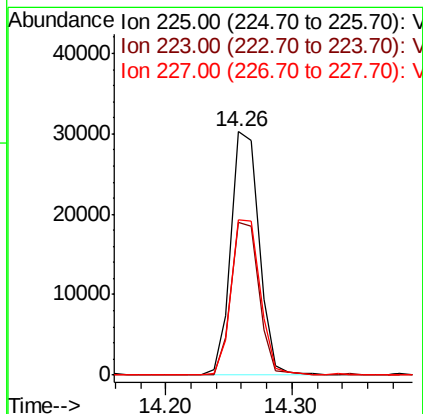
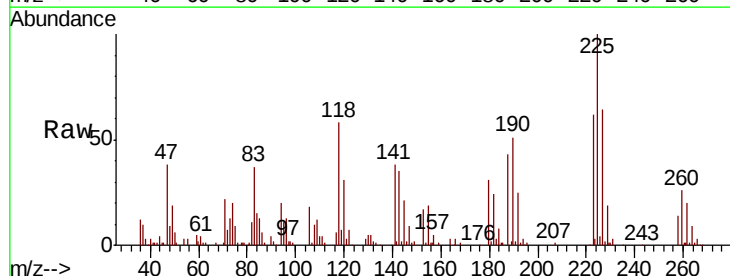
Manual Integrations
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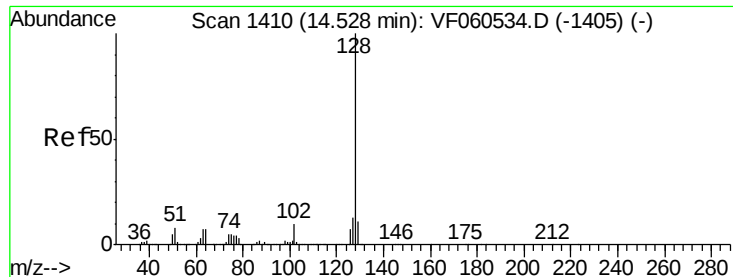
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#94
 Hexachlorobutadiene
 Concen: 9.708 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060532.D
 Acq: 29 Oct 2018 16:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	29.5	88.5
227	63.7	31.3	93.8





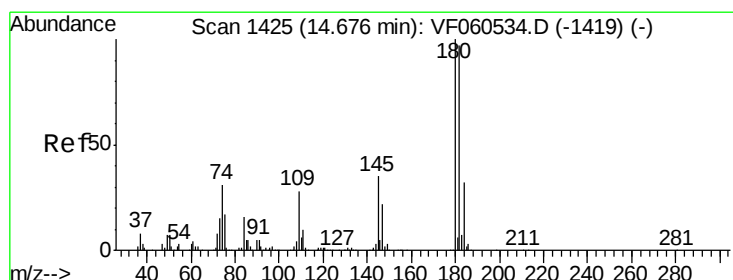
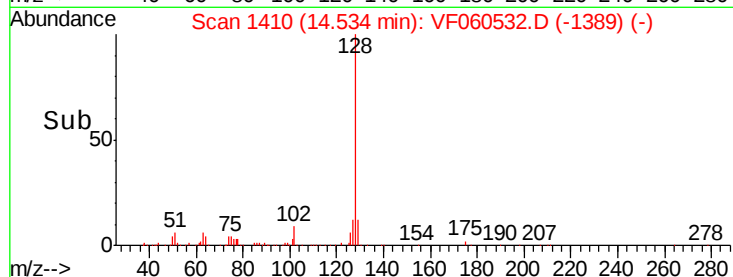
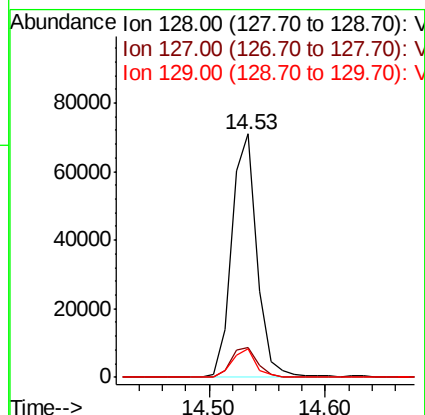
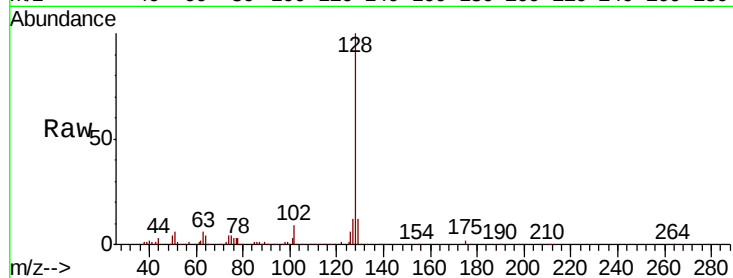
#95
Naphthalene
Concen: 10.174 ug/l
RT: 14.53 min Scan# 1410
Delta R.T. 0.01 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	11.6	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 10.475 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. -0.00 min
Lab File: VF060532.D
Acq: 29 Oct 2018 16:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.0	48.7	146.1
145	33.4	17.3	52.0

