

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102518\
 Data File : VF060509.D
 Acq On : 25 Oct 2018 16:02
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Manual Integrations
 APPROVED

apatel
 10/26/2018 10:27:45 AM

Quant Time: Oct 26 00:51:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102518S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 26 00:30:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	159387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	245250	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	227894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	154199	50.00	ug/l	0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	225246	93.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.38%	
35) Dibromofluoromethane	4.29	113	203005	89.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	179.84%	
50) Toluene-d8	7.71	98	426668	78.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	157.26%	
62) 4-Bromofluorobenzene	11.51	95	226056	94.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	282967	90.350	ug/l	92
3) Chloromethane	1.13	50	142977	73.790	ug/l	95
4) Vinyl Chloride	1.18	62	163322	77.708	ug/l	96
5) Bromomethane	1.36	94	155189	93.891	ug/l	93
6) Chloroethane	1.42	64	98803	88.931	ug/l	92
7) Trichlorofluoromethane	1.55	101	511270	108.530	ug/l	99
8) Diethyl Ether	1.70	74	48596	72.094	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.89	101	212108	90.009	ug/l	99
10) Methyl Iodide	1.97	142	314021m	84.048	ug/l	
11) Tert butyl alcohol	2.68	59	54032	426.603	ug/l	95
12) 1,1-Dichloroethene	1.85	96	163234	82.926	ug/l	84
13) Acrolein	2.08	56	50165	639.198	ug/l	100
14) Allyl chloride	2.18	41	250888	86.467	ug/l	98
15) Acrylonitrile	3.07	53	88800	333.028	ug/l	87
16) Acetone	2.33	43	220974	417.196	ug/l	99
17) Carbon Disulfide	1.83	76	420447m	76.807	ug/l	
18) Methyl Acetate	2.44	43	72691	72.410	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	388390	87.653	ug/l	95
20) Methylene Chloride	2.27	84	136560m	74.270	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	148066	80.591	ug/l	92
22) Diisopropyl ether	2.92	45	452367	75.845	ug/l	99
23) Vinyl Acetate	3.32	43	709317	339.727	ug/l	100
24) 1,1-Dichloroethane	3.00	63	333810	83.398	ug/l	98
25) 2-Butanone	4.49	43	178982	310.427	ug/l #	88
26) 2,2-Dichloropropane	3.76	77	220811	105.805	ug/l	100
27) cis-1,2-Dichloroethene	3.63	96	149711	69.808	ug/l	93
28) Bromochloromethane	3.87	49	95330	68.570	ug/l	95
29) Tetrahydrofuran	4.24	42	69038	284.049	ug/l	97
30) Chloroform	4.02	83	389249	84.036	ug/l	92
31) Cyclohexane	3.85	56	157889	61.661	ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	360975	98.924	ug/l	95
36) 1,1-Dichloropropene	4.45	75	237748	83.342	ug/l	95
37) Ethyl Acetate	4.28	43	70030	69.499	ug/l	76
38) Carbon Tetrachloride	4.16	117	358112m	124.972	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	199829	74.398	ug/l	89
40) Benzene	4.80	78	391691	66.874	ug/l	94
41) Methacrylonitrile	4.91	41	39803	69.522	ug/l #	85
42) 1,2-Dichloroethane	5.11	62	258119	97.141	ug/l	97
43) Isopropyl Acetate	7.11	43	77930	62.053	ug/l #	94
44) Trichloroethene	5.67	130	135474	74.248	ug/l	93
45) 1,2-Dichloropropane	6.40	63	100443	70.054	ug/l	93
46) Dibromomethane	6.25	93	97840	85.070	ug/l	99
47) Bromodichloromethane	6.55	83	271049	93.315	ug/l	98
48) Methyl methacrylate	6.87	41	63518	74.663	ug/l	95
49) 1,4-Dioxane	6.85	88	10289	1406.819	ug/l	95
51) 4-Methyl-2-Pentanone	8.40	43	318289	363.314	ug/l	95
52) Toluene	7.78	92	256722	69.595	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	186382	82.618	ug/l	92
54) cis-1,3-Dichloropropene	7.45	75	203260	77.360	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	83299	73.476	ug/l	89
56) Ethyl methacrylate	8.75	69	91234	69.554	ug/l	87
57) 1,3-Dichloropropane	9.00	76	146891	75.248	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	61195	459.103	ug/l	100
59) 2-Hexanone	9.63	43	223000	351.904	ug/l	96
60) Dibromochloromethane	8.86	129	165172	92.816	ug/l	92
61) 1,2-Dibromoethane	9.14	107	100542	78.491	ug/l	99
64) Tetrachloroethene	8.30	164	129623	71.763	ug/l	95
65) Chlorobenzene	9.94	112	339647	76.742	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	175607	88.086	ug/l	98
67) Ethyl Benzene	10.03	91	654504	78.383	ug/l	99
68) m/p-Xylenes	10.27	106	416039	145.956	ug/l	95
69) o-Xylene	10.82	106	231951	74.826	ug/l	99
70) Styrene	10.90	104	326114	73.086	ug/l	100
71) Bromoform	10.89	173	92798	91.813	ug/l	93
73) Isopropylbenzene	11.23	105	838939	73.193	ug/l	99
74) N-amyl acetate	11.46	43	144705	58.002	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	121969	63.310	ug/l	99
76) 1,2,3-Trichloropropane	11.89	75	97503	65.468	ug/l	93
77) Bromobenzene	11.59	156	175465	68.886	ug/l	99
78) n-propylbenzene	11.69	91	921834	67.527	ug/l	99
79) 2-Chlorotoluene	11.81	91	562531	70.388	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	711048	73.946	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	45165m	69.555	ug/l	
82) 4-Chlorotoluene	11.99	91	595354	72.205	ug/l	97
83) tert-Butylbenzene	12.21	119	725676	75.071	ug/l	97
84) 1,2,4-Trimethylbenzene	12.29	105	706351	72.353	ug/l	92
85) sec-Butylbenzene	12.39	105	983514	75.019	ug/l	97
86) p-Isopropyltoluene	12.54	119	824904	76.646	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	333515	68.740	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	345227	73.370	ug/l	98
89) n-Butylbenzene	12.91	91	856669	76.067	ug/l	99
90) Hexachloroethane	12.99	117	221292	85.987	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	319531	68.413	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	34970	85.520	ug/l	97

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	266831	73.978	ug/l	97
94) Hexachlorobutadiene	14.25	225	207571	84.647	ug/l	96
95) Naphthalene	14.52	128	486832	78.517	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	265342	78.962	ug/l	94

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

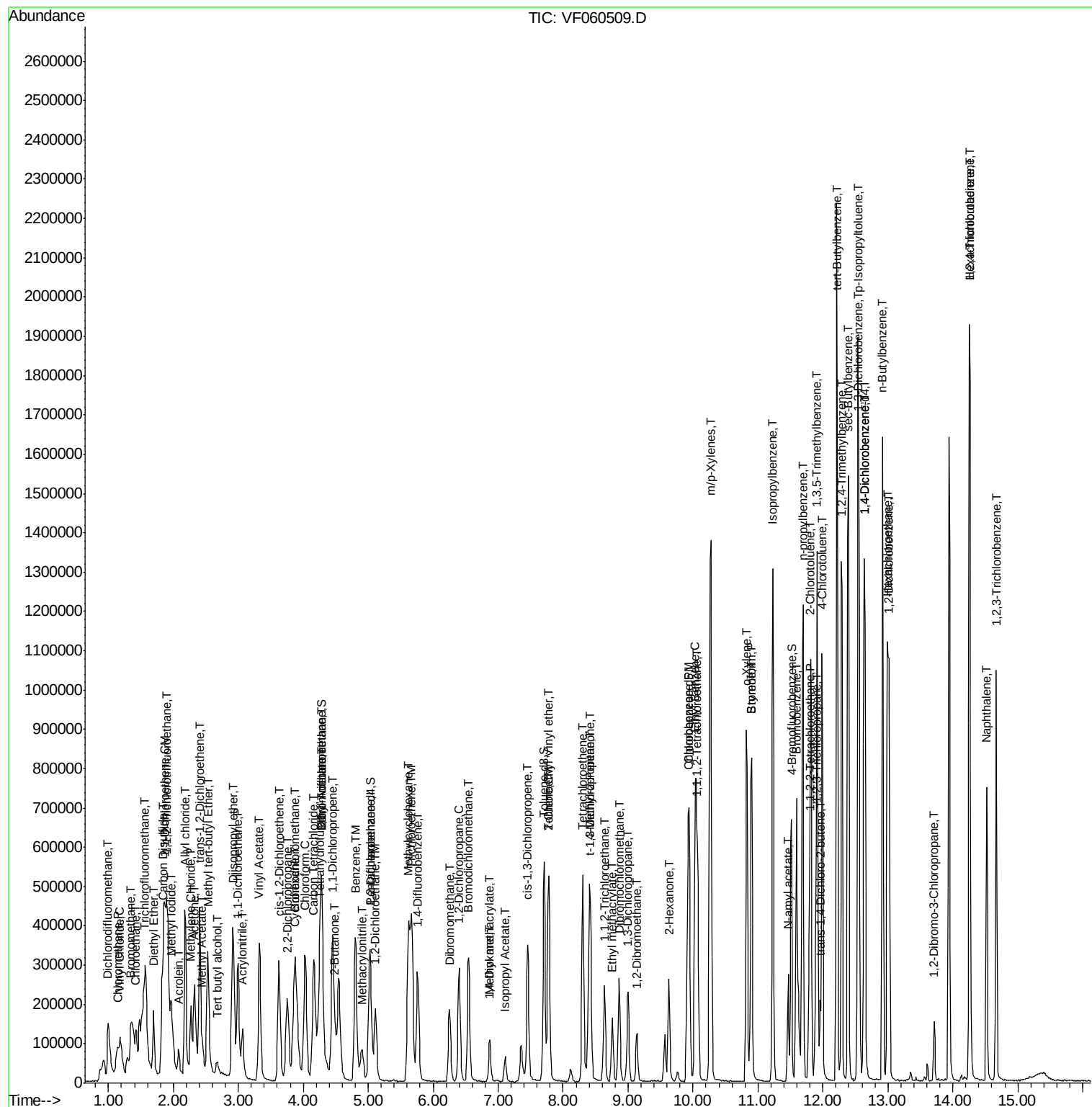
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF102518\
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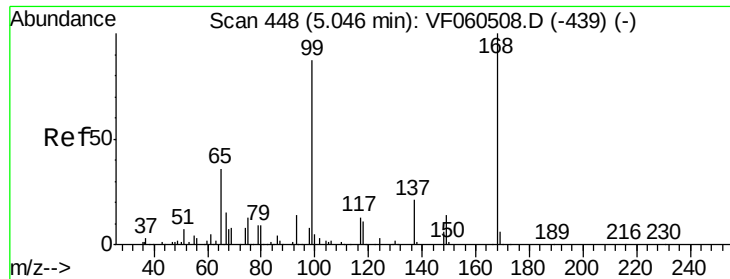
Instrument :
MSVOA_F
ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.01 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:168 Resp: 159387

Ion Ratio Lower Upper

168 100

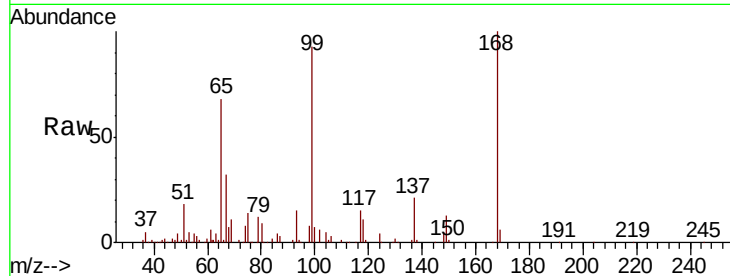
99 93.1 69.9 104.9

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF060508.D (-439) (-)

Ion 99.00 (98.70 to 99.70): VF060508.D (-439) (-)

5.04

60000

50000

40000

30000

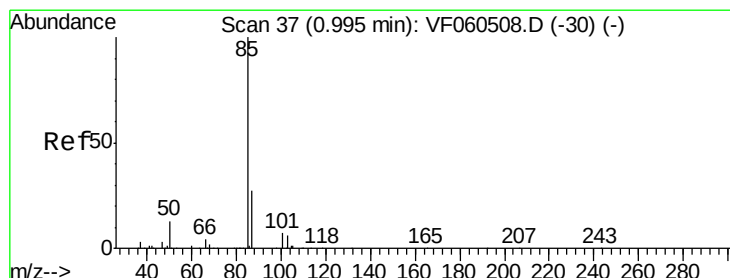
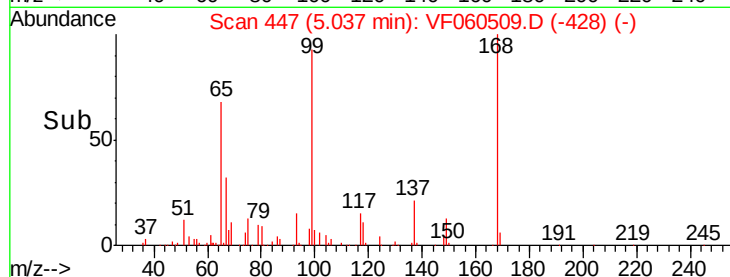
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 90.350 ug/l

RT: 1.00 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060509.D

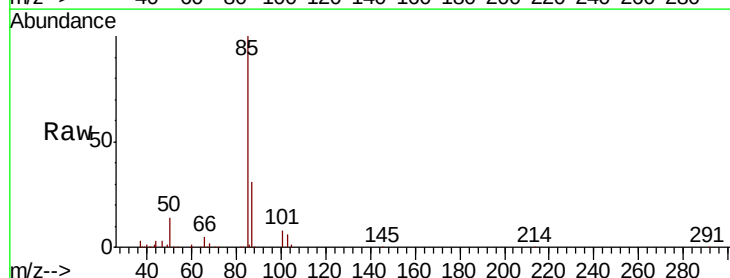
Acq: 25 Oct 2018 16:02

Tgt Ion: 85 Resp: 282967

Ion Ratio Lower Upper

85 100

87 30.9 13.5 40.4



Abundance Ion 85.00 (84.70 to 85.70): VF060508.D (-30) (-)

Ion 87.00 (86.70 to 87.70): VF060508.D (-30) (-)

1.00

80000

60000

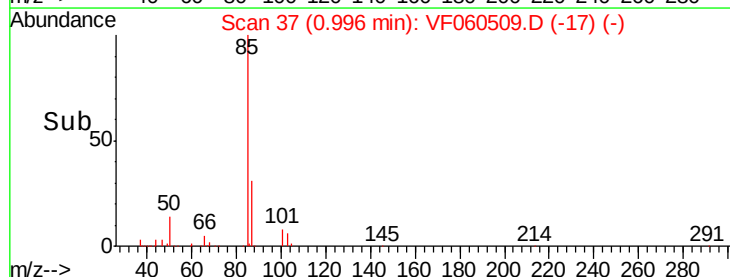
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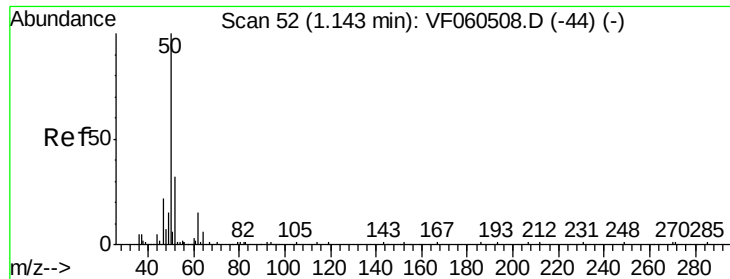
20000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 73.790 ug/l

RT: 1.13 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 50 Resp: 142977

Ion Ratio Lower Upper

50 100

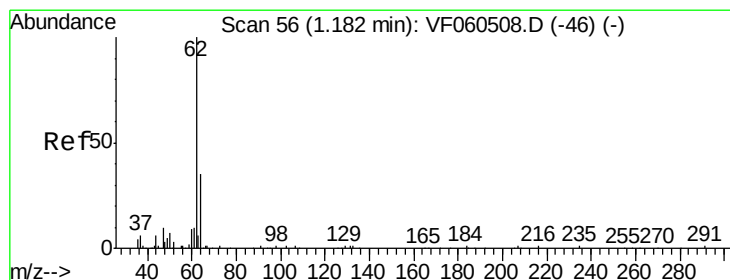
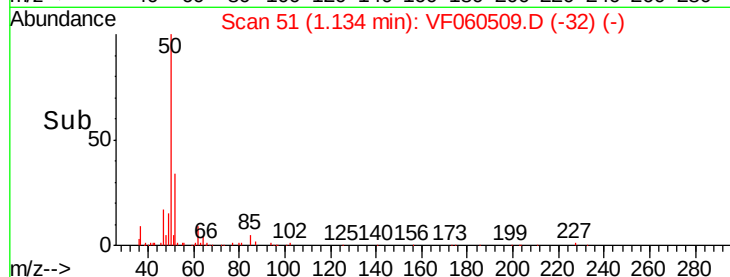
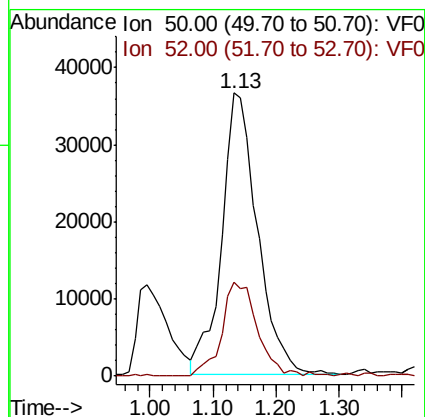
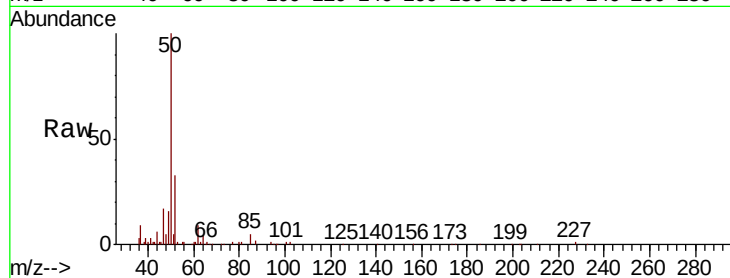
52 33.4 24.5 36.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 77.708 ug/l

RT: 1.18 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF060509.D

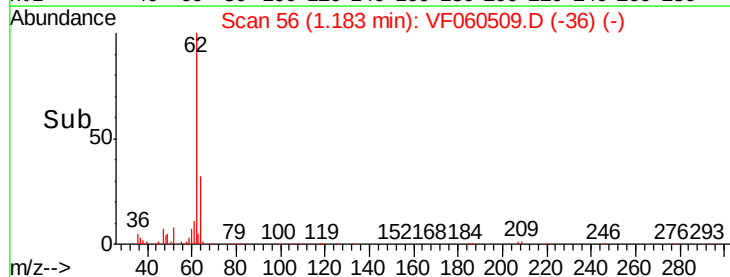
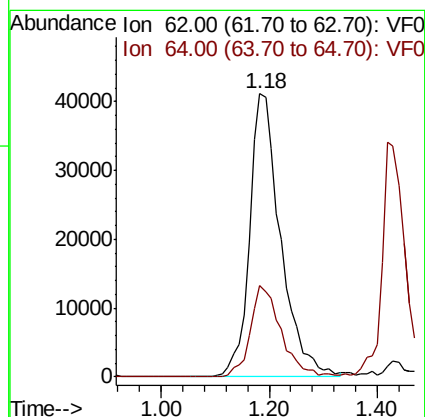
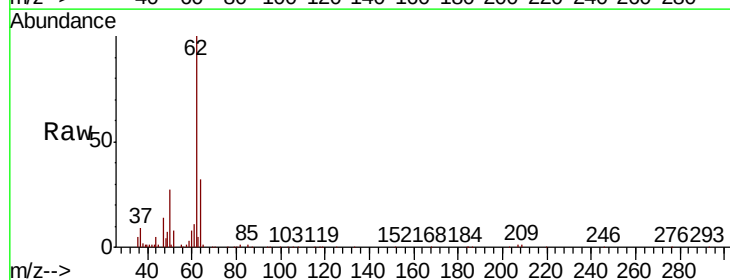
Acq: 25 Oct 2018 16:02

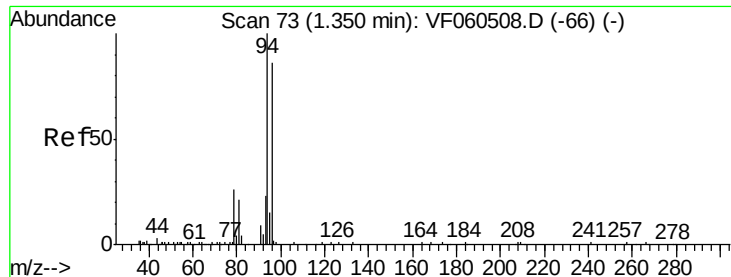
Tgt Ion: 62 Resp: 163322

Ion Ratio Lower Upper

62 100

64 32.3 27.8 41.8





#5

Bromomethane

Concen: 93.891 ug/l

RT: 1.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

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Tot Ion: 94 Resp: 155189

Ion Ratio Lower Upper

94 100

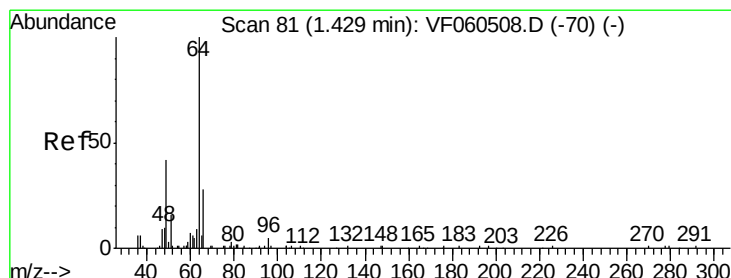
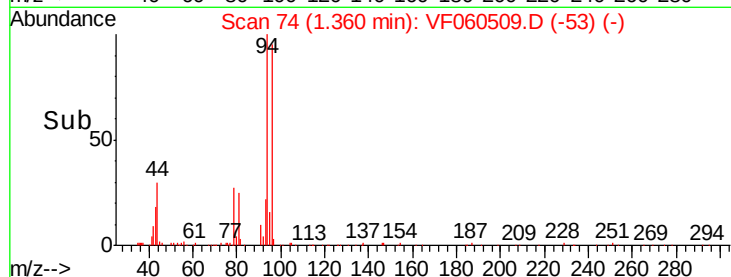
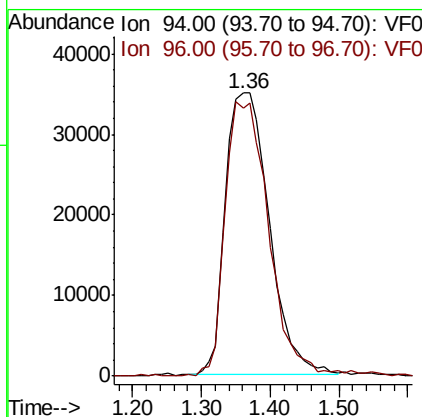
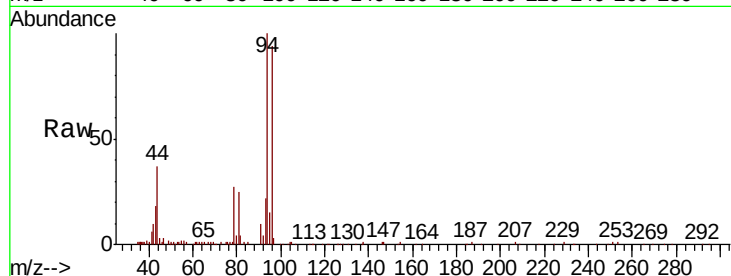
96 94.5 70.6 105.8

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#6

Chloroethane

Concen: 88.931 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060509.D

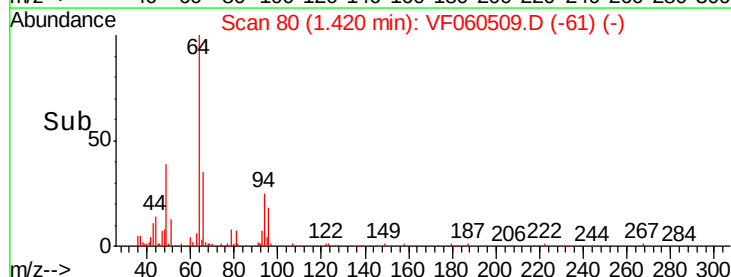
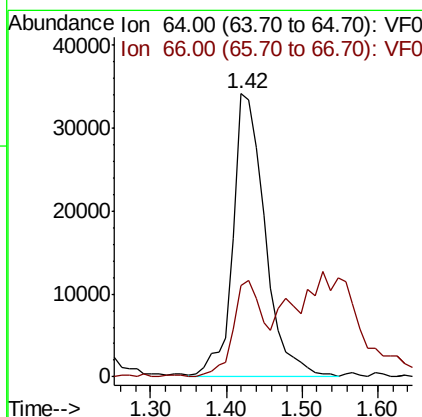
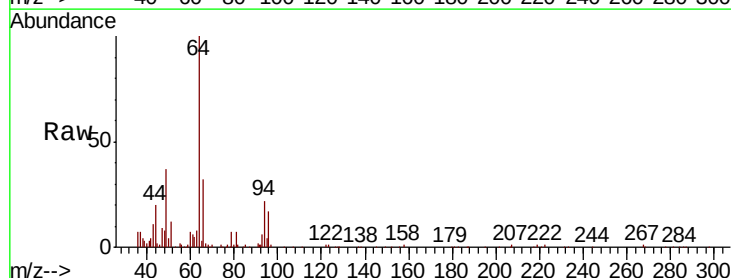
Acq: 25 Oct 2018 16:02

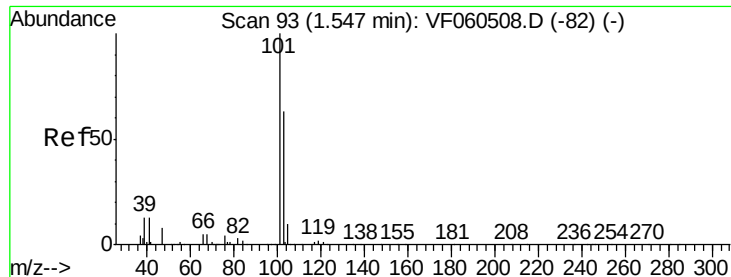
Tgt Ion: 64 Resp: 98803

Ion Ratio Lower Upper

64 100

66 32.2 22.4 33.6





#7

Trichlorofluoromethane

Concen: 108.530 ug/l

RT: 1.55 min Scan# 93

Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:101 Resp: 511270

Ion Ratio Lower Upper

101 100

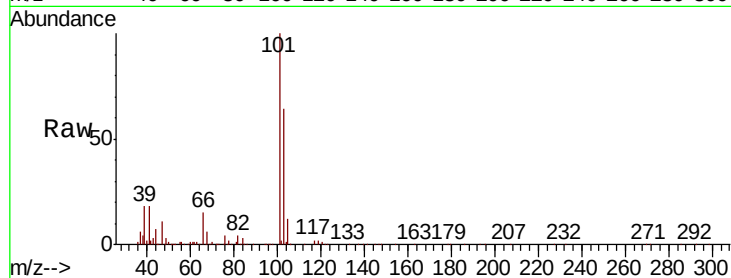
103 63.9 50.4 75.6

Manual Integrations

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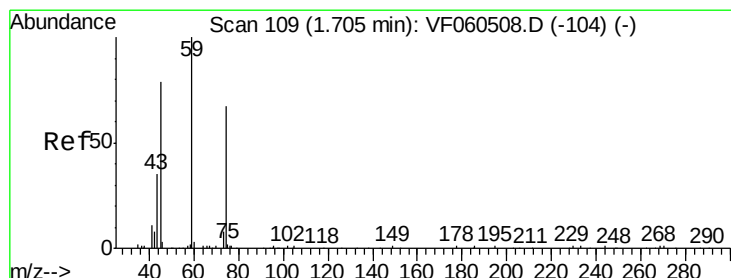
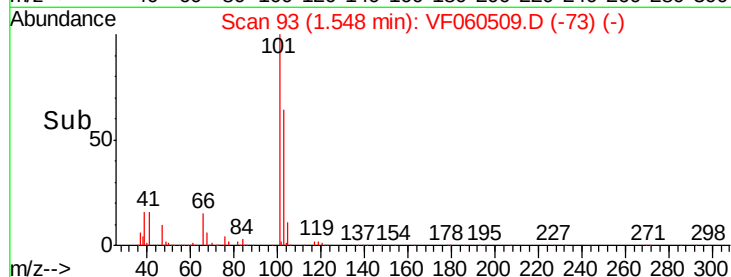
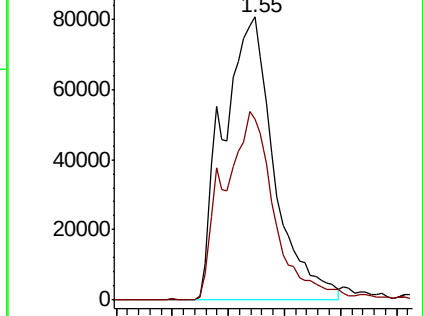
apatel

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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: 72.094 ug/l

RT: 1.70 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060509.D

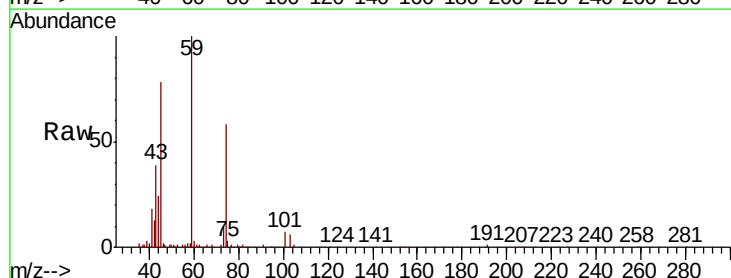
Acq: 25 Oct 2018 16:02

Tgt Ion: 74 Resp: 48596

Ion Ratio Lower Upper

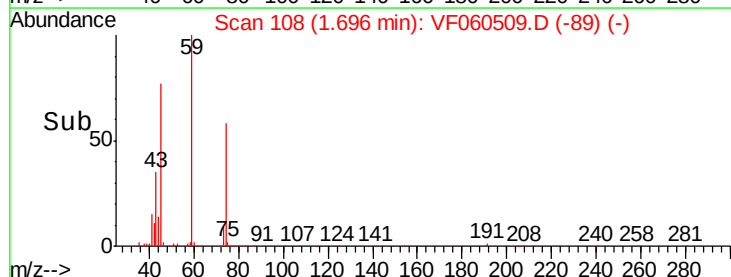
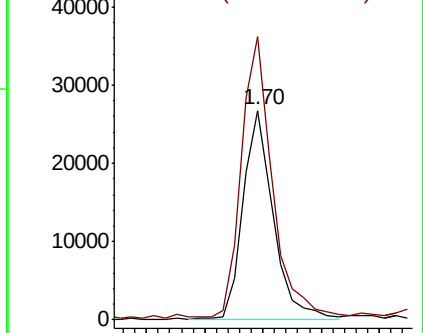
74 100

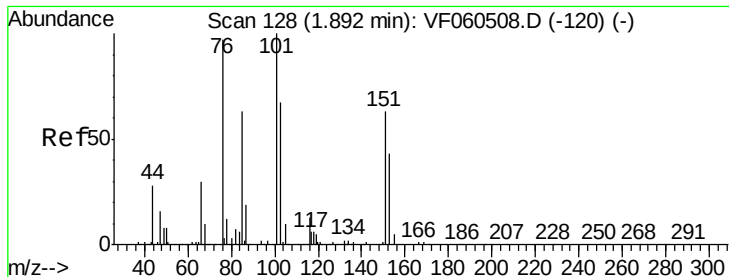
45 135.1 62.1 186.3



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: 90.009 ug/l

RT: 1.89 min Scan# 128

Delta R.T. 0.00 min

Lab File: VF060509.D

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MSVOA_F

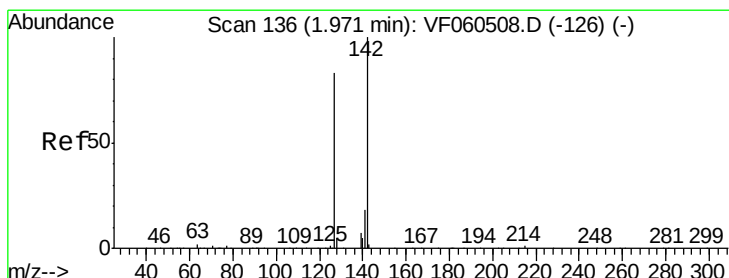
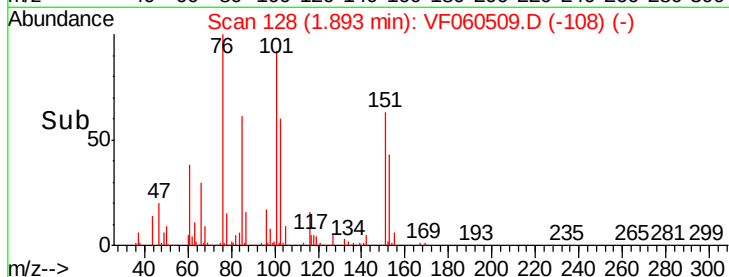
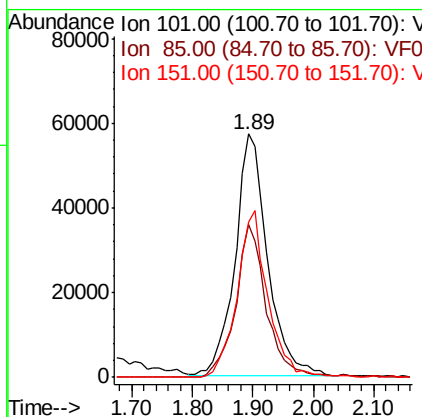
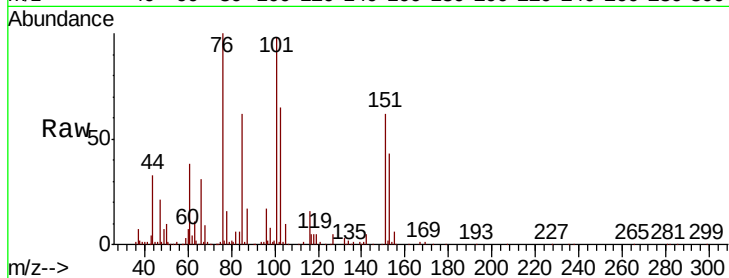
ClientSampleId :

VSTDIC075

Tot Ion:	101	Resp:	212108
Ion Ratio	Lower	Upper	
101	100		
85	63.0	49.9	74.9
151	63.9	50.6	76.0

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#10

Methyl Iodide

Concen: 84.048 ug/l m

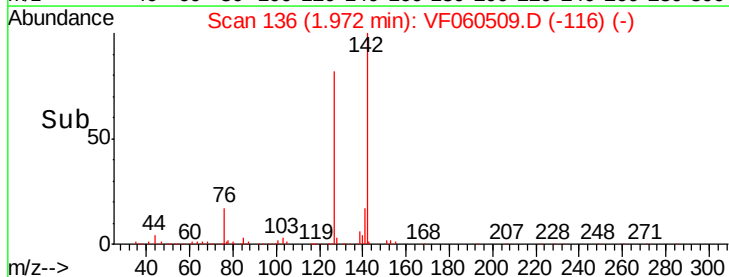
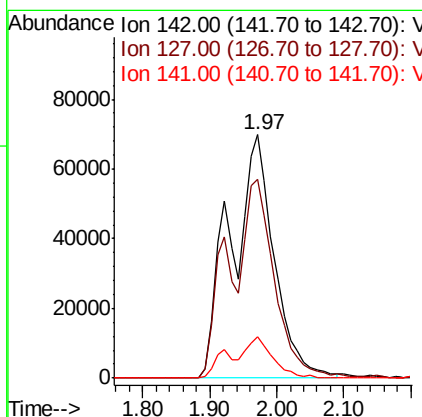
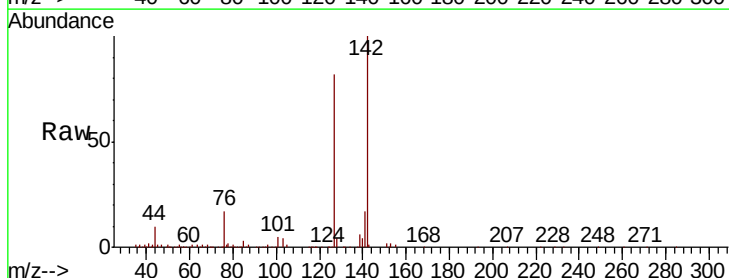
RT: 1.97 min Scan# 136

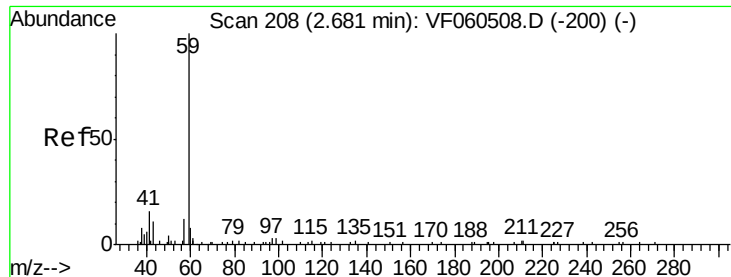
Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Tgt Ion:	142	Resp:	314021
Ion Ratio	Lower	Upper	
142	100		
127	81.7	66.5	99.7
141	16.8	14.2	21.4





#11

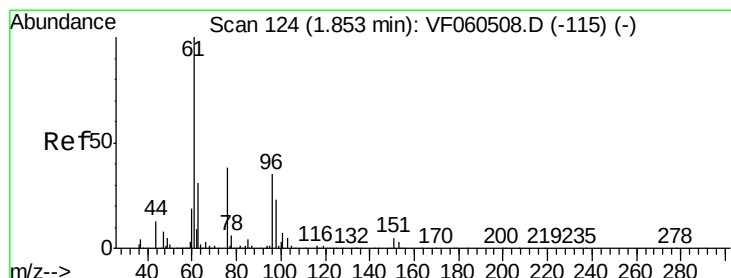
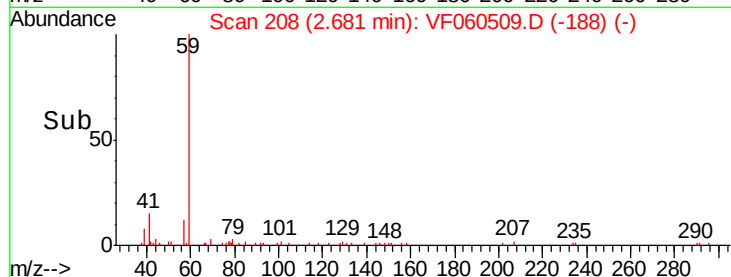
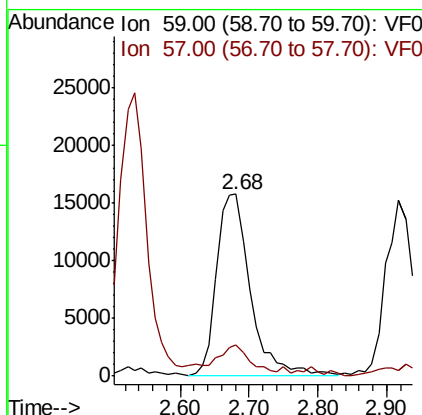
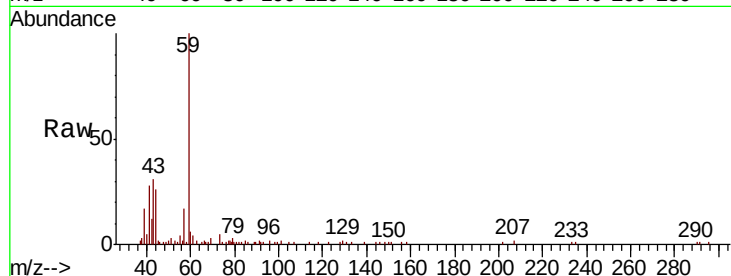
Tert butyl alcohol
Concen: 426.603 ug/l
RT: 2.68 min Scan# 208
Delta R.T. 0.00 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
59	100		
57	17.5	15.8	23.8

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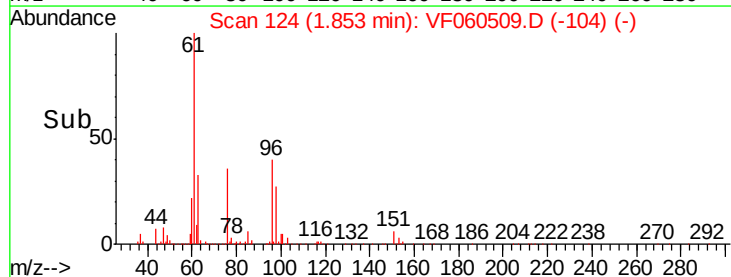
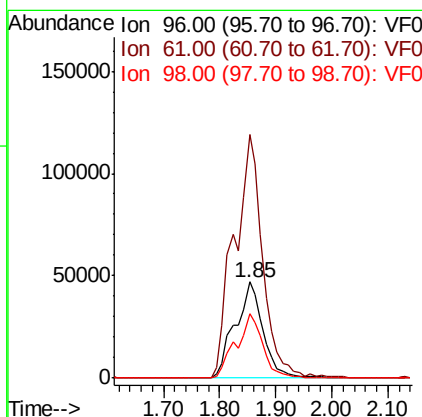
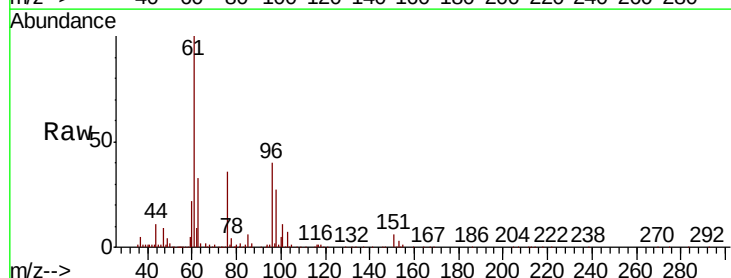
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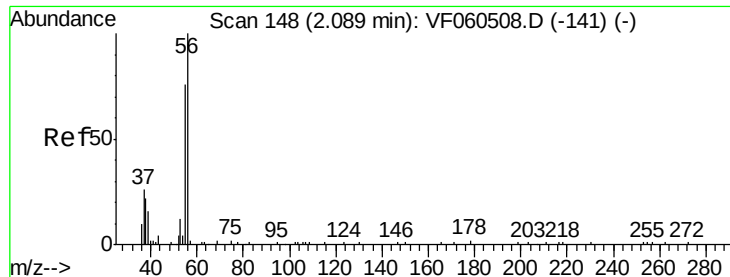


#12

1,1-Dichloroethene
Concen: 82.926 ug/l
RT: 1.85 min Scan# 124
Delta R.T. 0.00 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	253.2	231.4	347.0
98	67.5	53.3	79.9





#13

Acrolein

Concen: 639.198 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 56 Resp: 50165

Ion Ratio Lower Upper

56 100

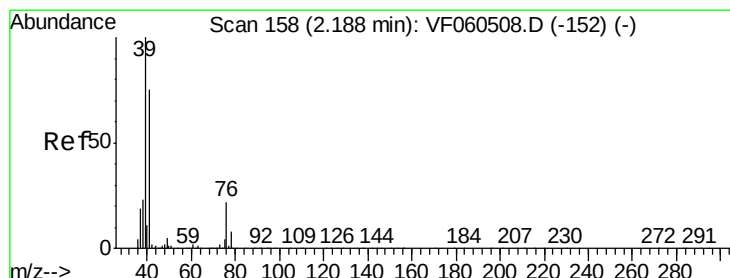
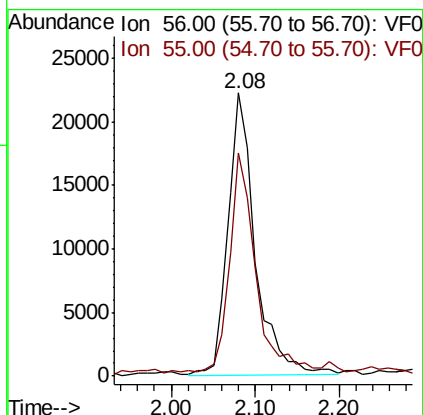
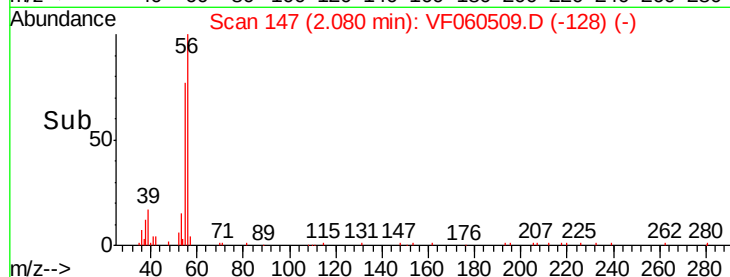
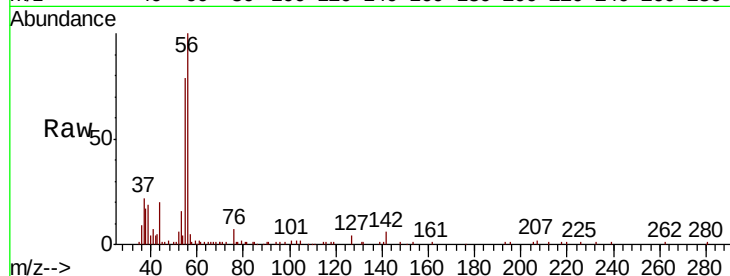
55 78.9 63.0 94.4

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#14

Allyl chloride

Concen: 86.467 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

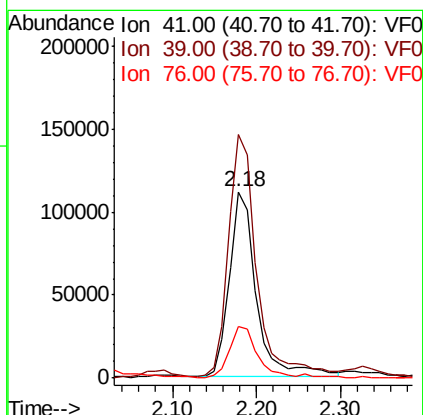
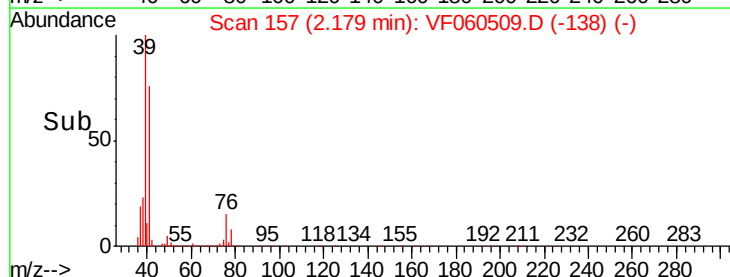
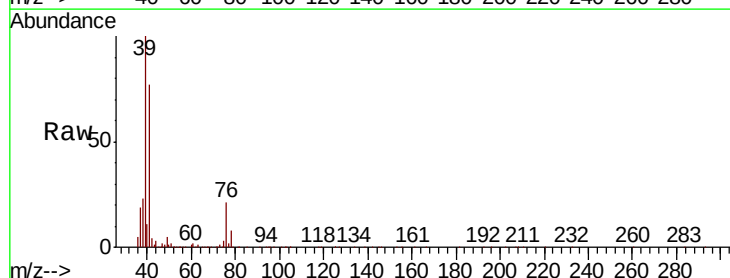
Tgt Ion: 41 Resp: 250888

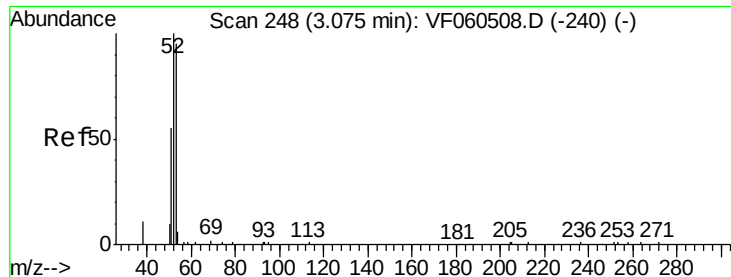
Ion Ratio Lower Upper

41 100

39 130.7 106.0 159.0

76 27.9 24.1 36.1





#15

Acrylonitrile

Concen: 333.028 ug/l

RT: 3.07 min Scan# 247

Delta R.T. -0.01 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

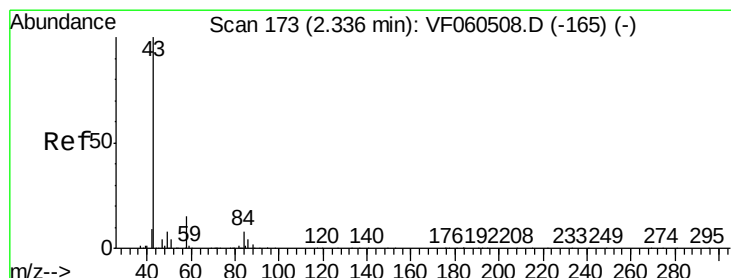
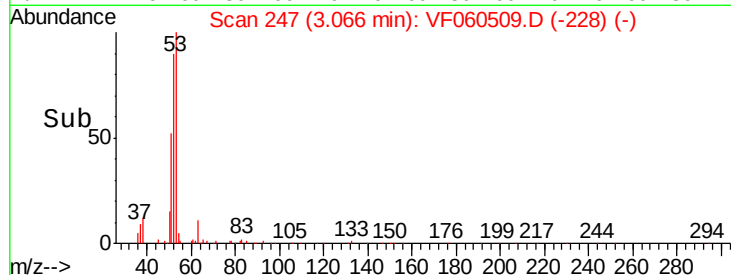
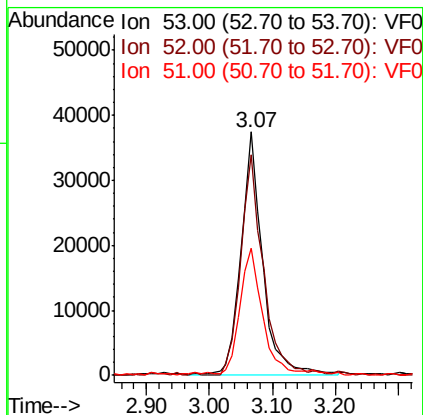
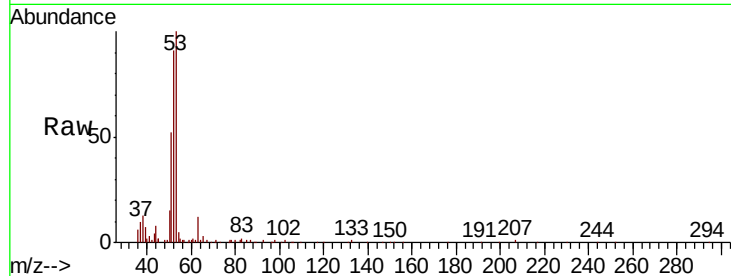
ClientSampleId :

VSTDIC075

Tot Ion:	53	Resp:	88800
Ion	Ratio	Lower	Upper
53	100		
52	90.5	84.0	126.0
51	52.0	48.6	73.0

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#16

Acetone

Concen: 417.196 ug/l

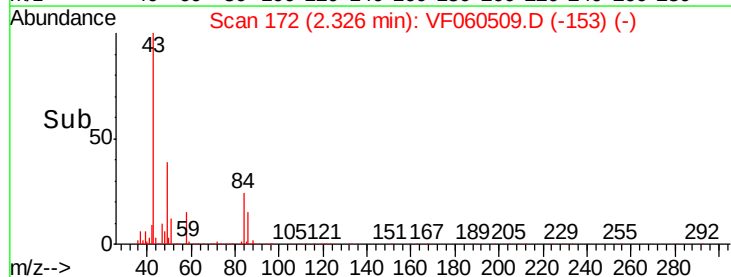
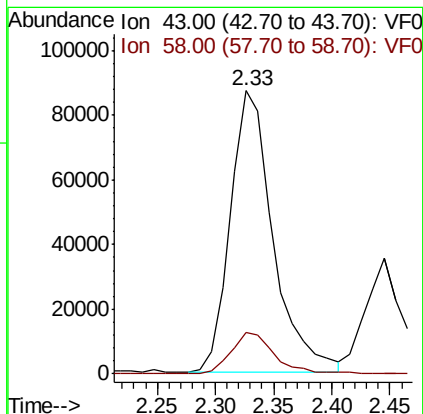
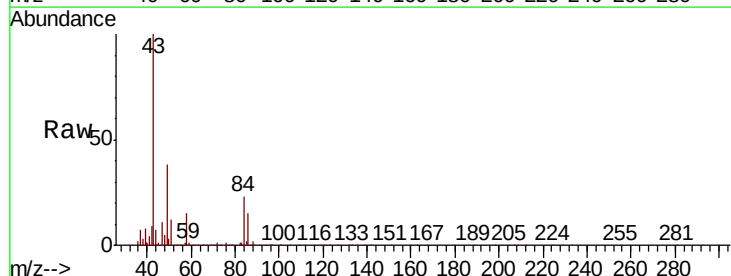
RT: 2.33 min Scan# 172

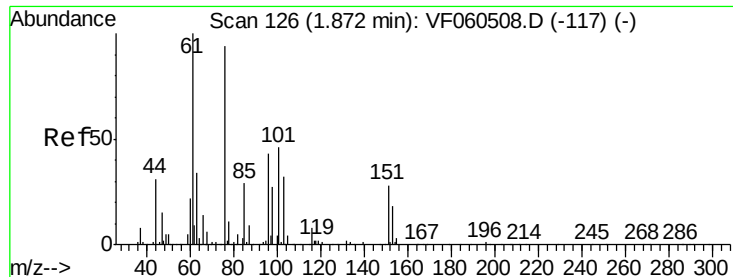
Delta R.T. -0.01 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Tgt Ion:	43	Resp:	220974
Ion	Ratio	Lower	Upper
43	100		
58	14.8	11.7	17.5





#17

Carbon Disulfide

Concen: 76.807 ug/l m

RT: 1.83 min Scan# 122

Delta R.T. -0.04 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 420447

Ion Ratio Lower Upper

76 100

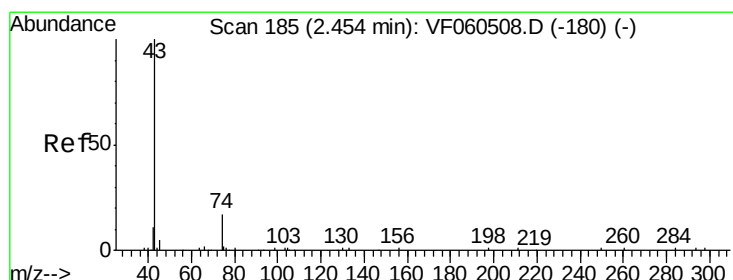
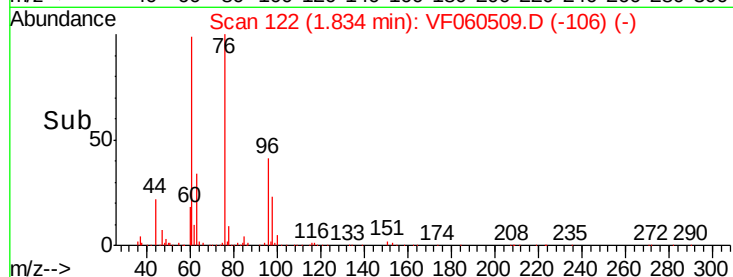
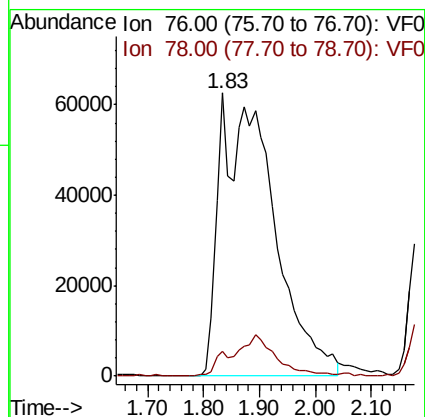
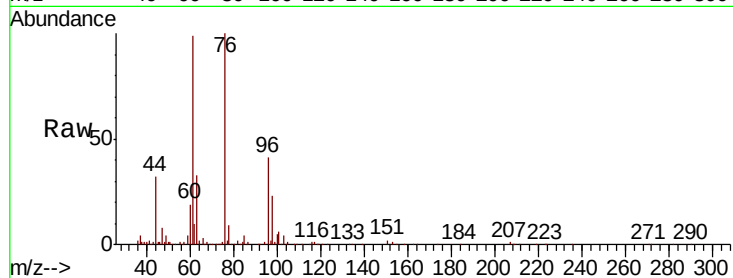
78 8.9 9.2 13.8#

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#18

Methyl Acetate

Concen: 72.410 ug/l

RT: 2.44 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF060509.D

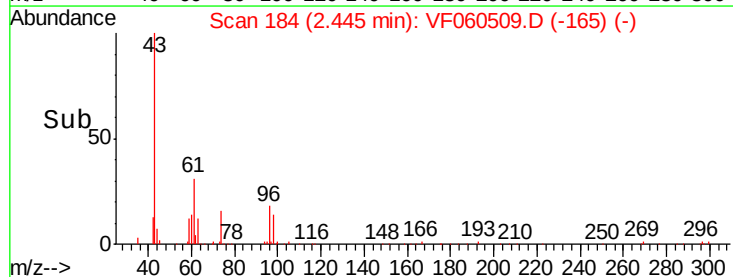
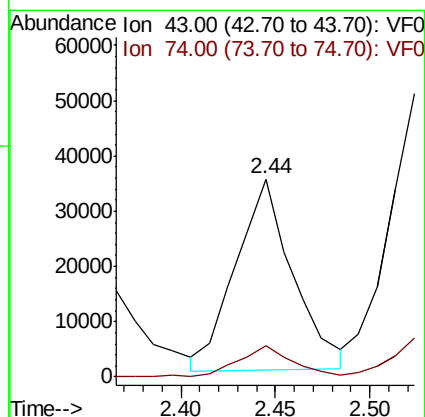
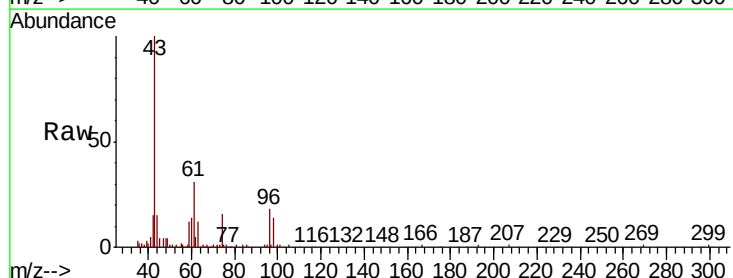
Acq: 25 Oct 2018 16:02

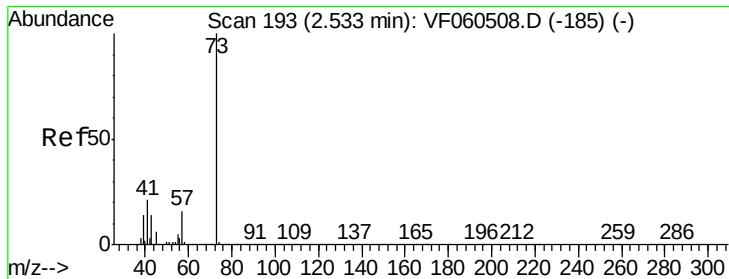
Tgt Ion: 43 Resp: 72691

Ion Ratio Lower Upper

43 100

74 16.1 12.1 18.1





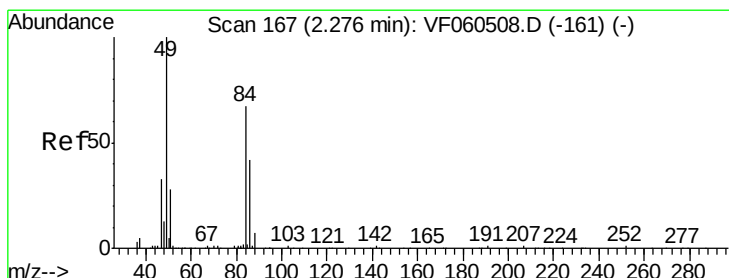
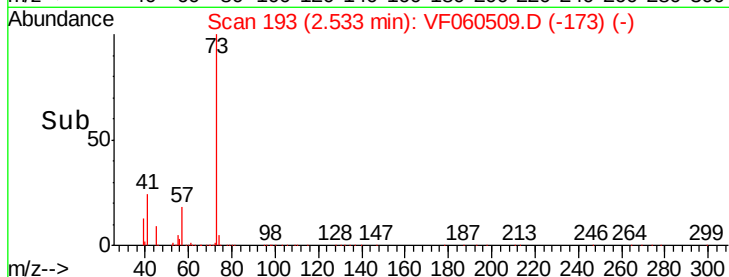
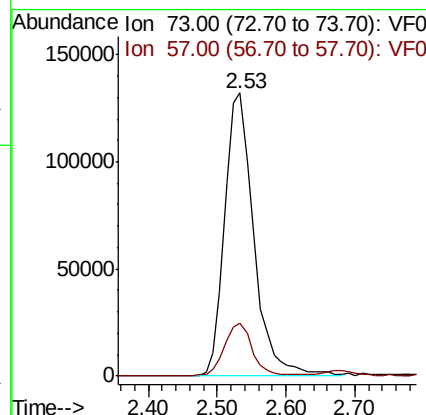
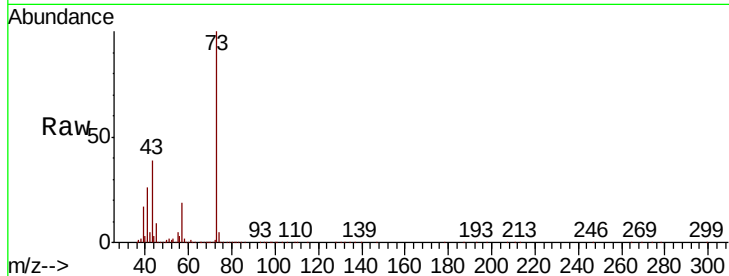
#19
Methyl tert-butyl Ether
Concen: 87.653 ug/l
RT: 2.53 min Scan# 193
Delta R.T. 0.00 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.6	13.3	19.9

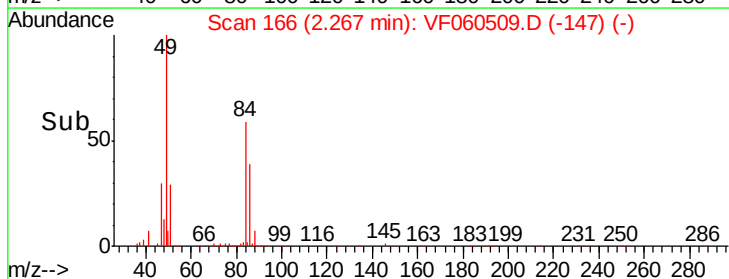
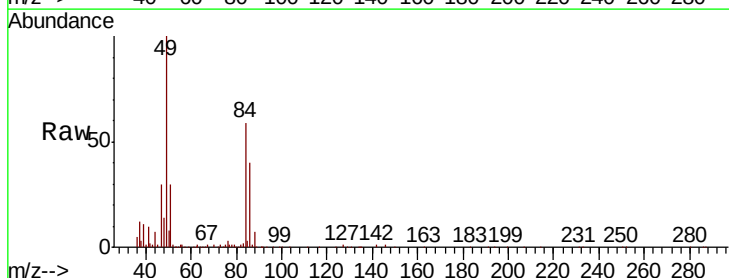
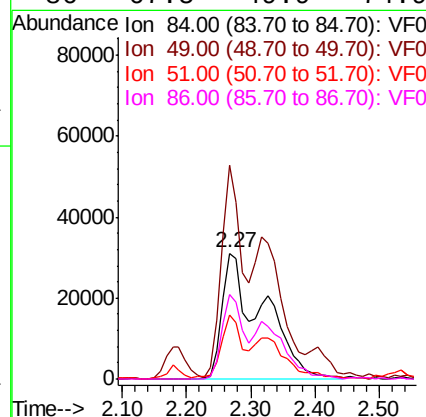
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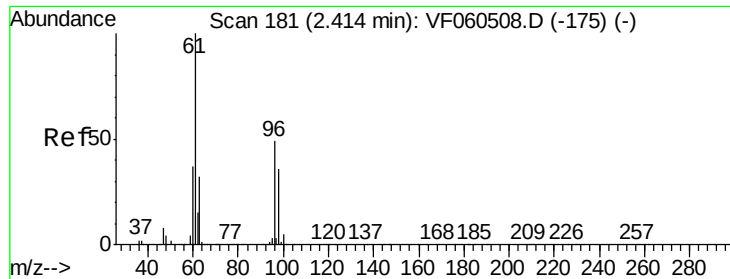
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#20
Methylene Chloride
Concen: 74.270 ug/l m
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Tgt Ion	Ratio	Lower	Upper
84	100		
49	170.0	123.1	184.7
51	50.5	35.3	52.9
86	67.5	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 80.591 ug/l

RT: 2.41 min Scan# 180

Delta R.T. -0.01 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

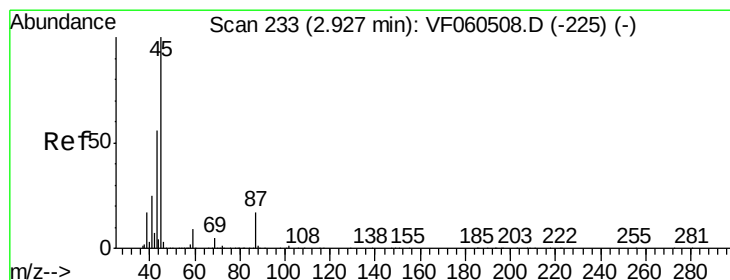
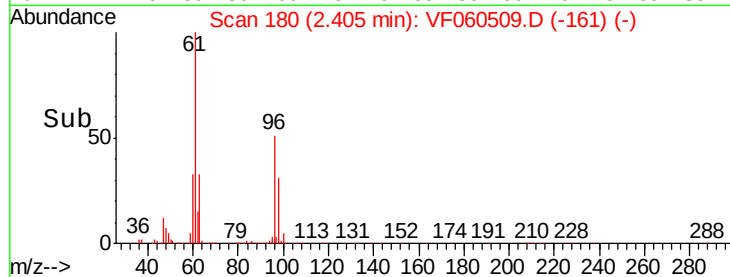
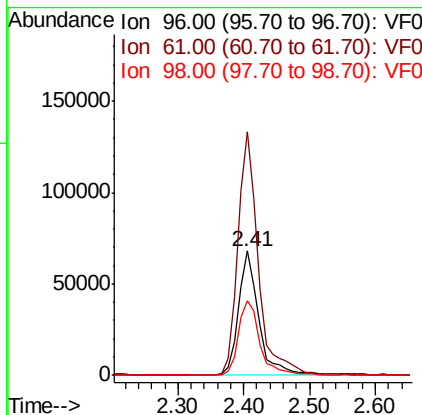
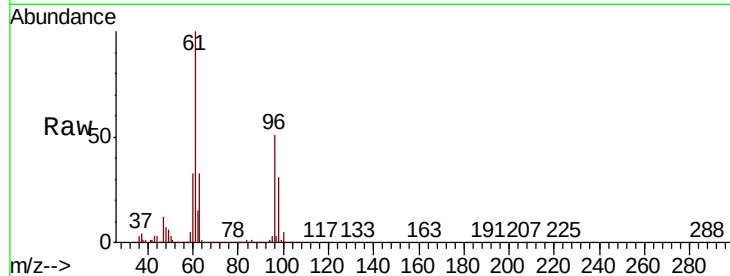
ClientSampleId :

VSTDIC075

Tot Ion:	96	Resp:	148066
Ion Ratio	Lower	Upper	
96	100		
61	195.7	162.5	243.7
98	59.8	58.5	87.7

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#22

Diisopropyl ether

Concen: 75.845 ug/l

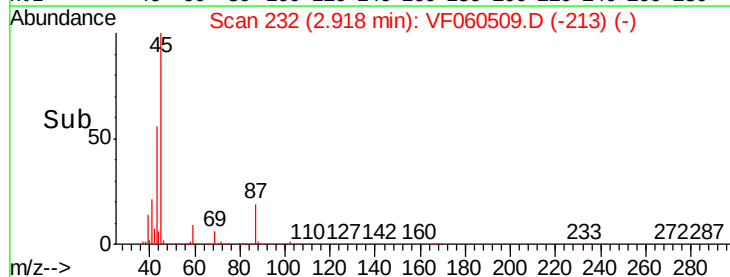
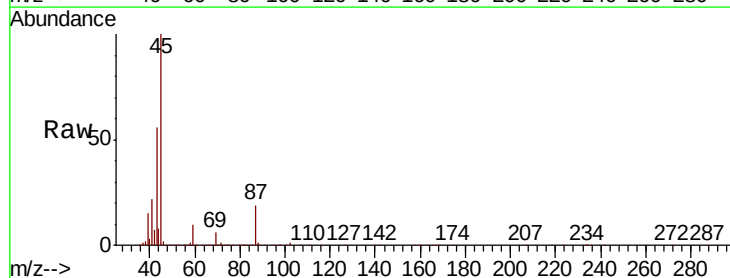
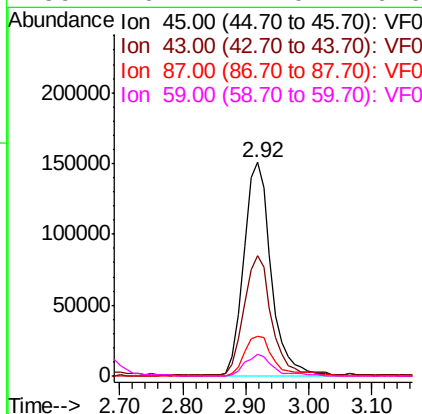
RT: 2.92 min Scan# 232

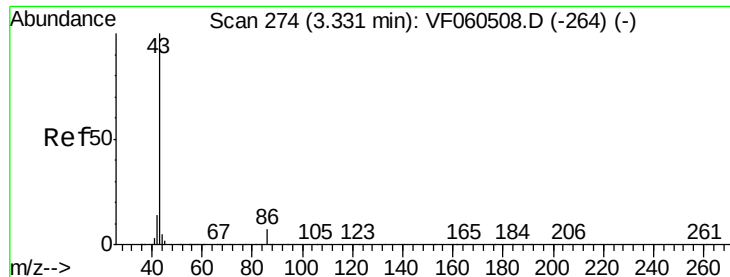
Delta R.T. -0.01 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Tgt Ion:	45	Resp:	452367
Ion Ratio	Lower	Upper	
45	100		
43	56.5	45.2	67.8
87	18.7	13.4	20.2
59	10.1	7.0	10.6





#23

Vinyl Acetate

Concen: 339.727 ug/l

RT: 3.32 min Scan# 273

Delta R.T. -0.01 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 709317

Ion Ratio Lower Upper

43 100

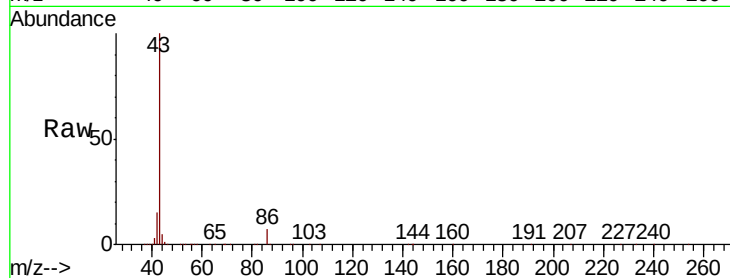
86 6.6 5.3 7.9

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

300000

250000

200000

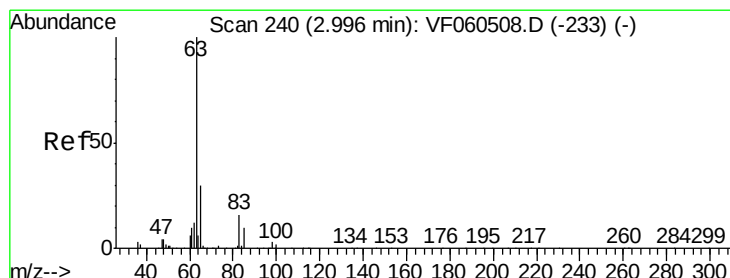
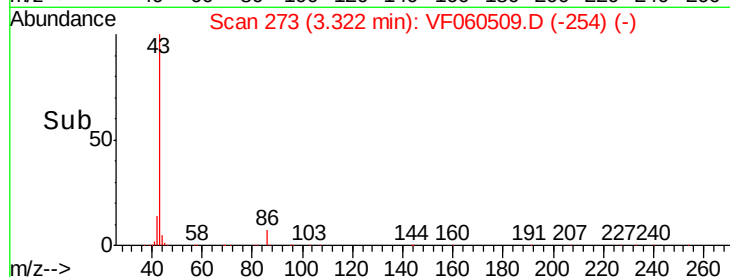
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 83.398 ug/l

RT: 3.00 min Scan# 240

Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

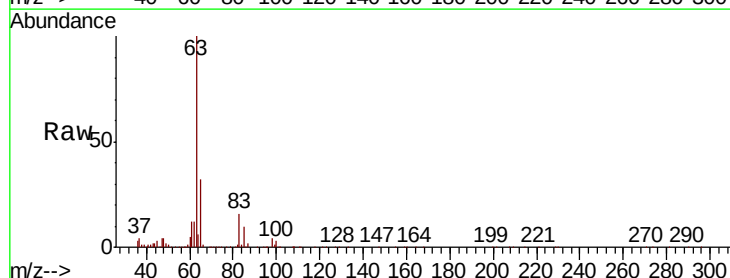
Tgt Ion: 63 Resp: 333810

Ion Ratio Lower Upper

63 100

98 4.0 1.7 5.0

100 3.2 1.1 3.3



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

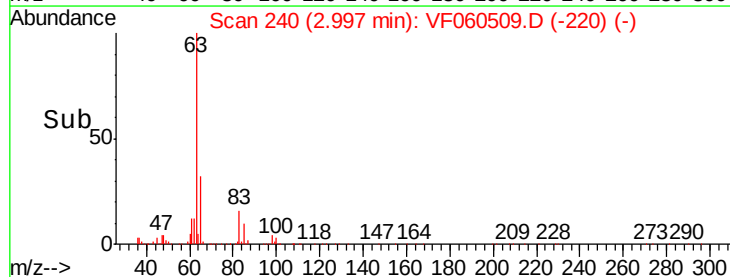
150000

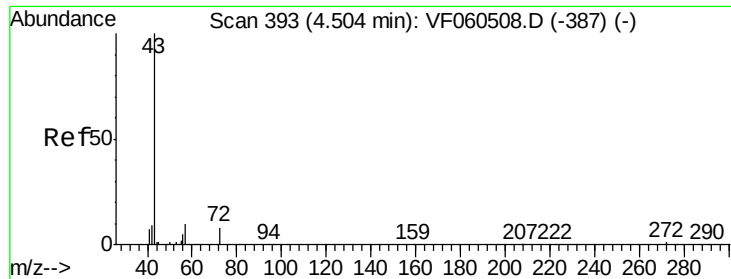
100000

50000

0

Time-->





#25

2-Butanone

Concen: 310.427 ug/l

RT: 4.49 min Scan# 392

Delta R.T. -0.01 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 178982

Ion Ratio Lower Upper

43 100

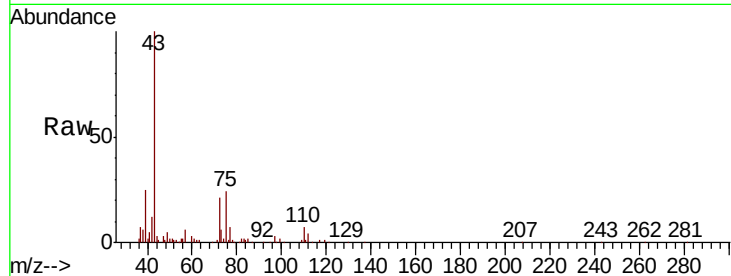
72 21.4 13.0 19.6#

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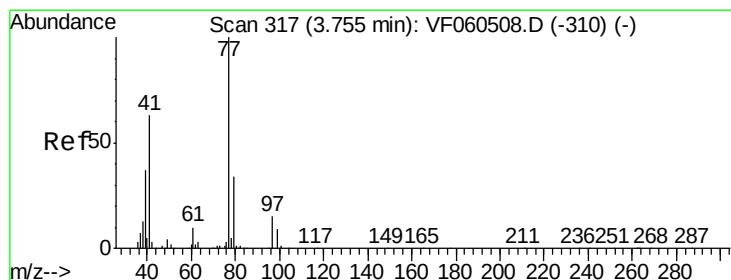
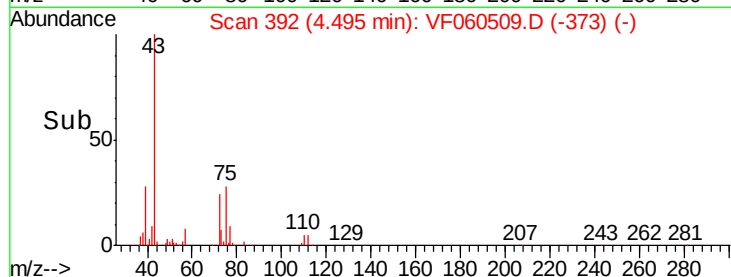
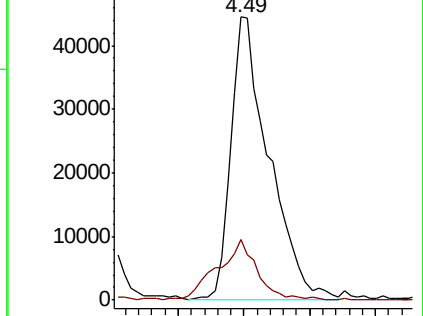
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 105.805 ug/l

RT: 3.76 min Scan# 317

Delta R.T. 0.00 min

Lab File: VF060509.D

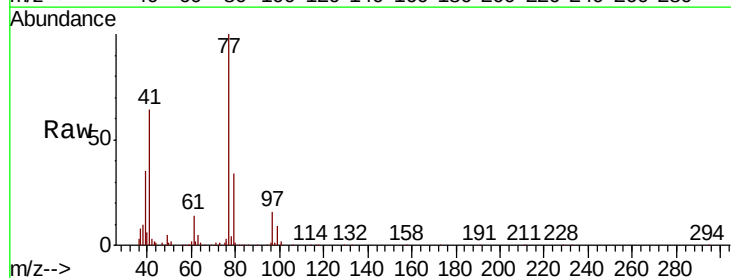
Acq: 25 Oct 2018 16:02

Tgt Ion: 77 Resp: 220811

Ion Ratio Lower Upper

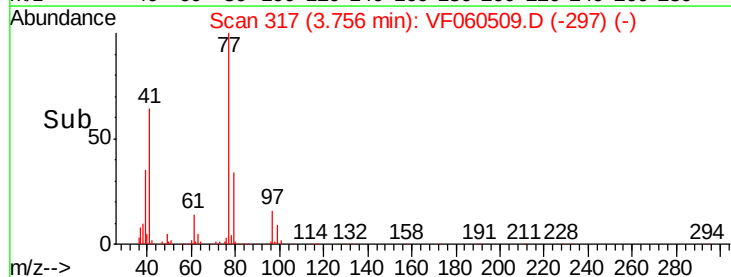
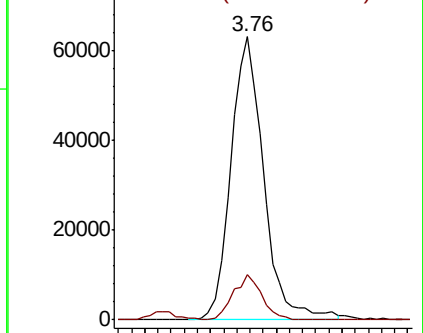
77 100

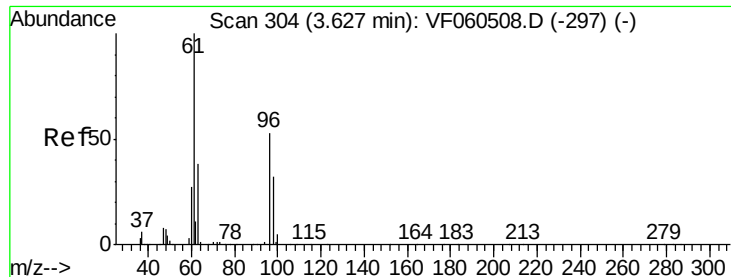
97 15.9 7.9 23.7



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

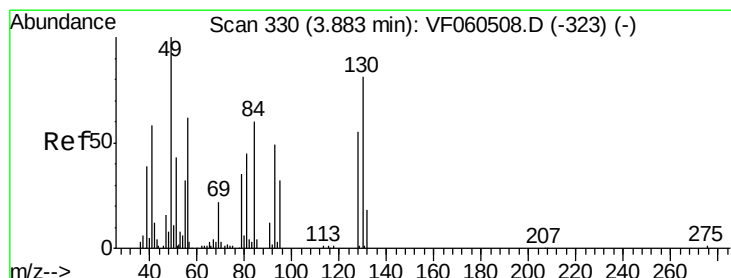
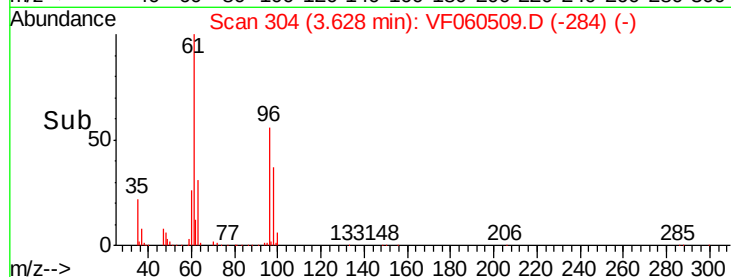
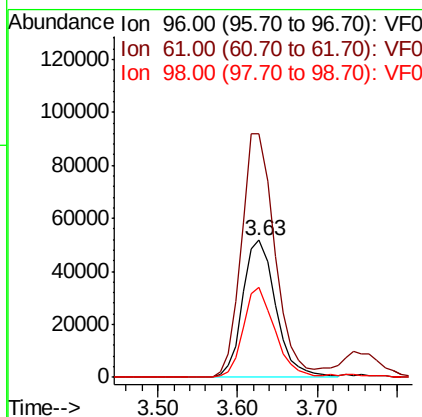
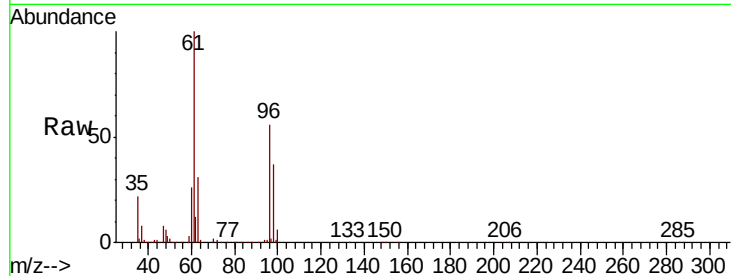
cis-1,2-Dichloroethene
Concen: 69.808 ug/l
RT: 3.63 min Scan# 304
Delta R.T. 0.00 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
96	100	149711		
61	177.5	0.0	377.0	
98	65.4	0.0	122.4	

Manual Integrations
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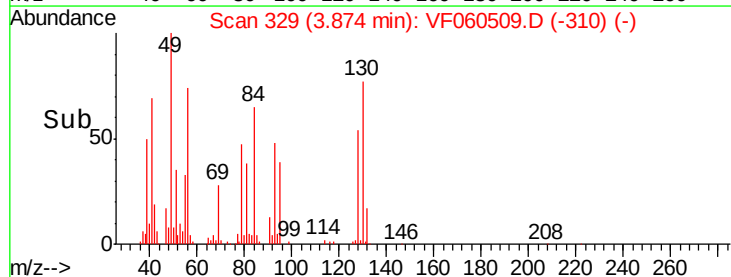
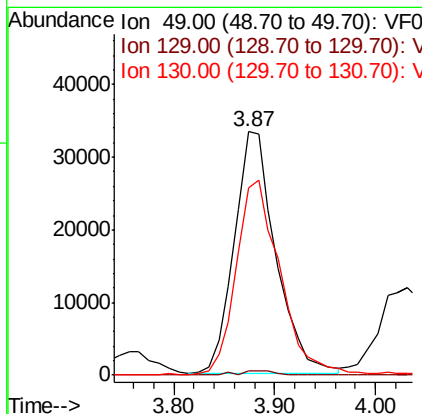
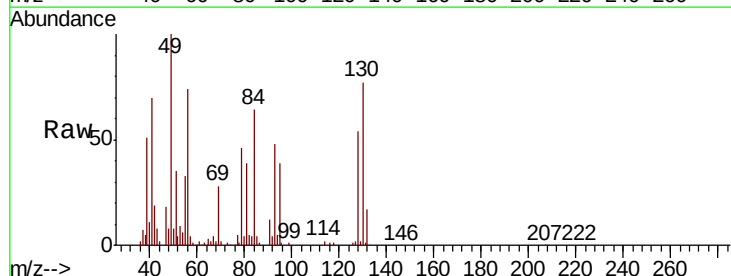
apatel
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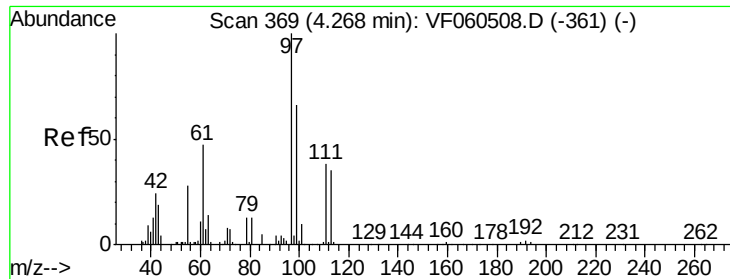


#28

Bromochloromethane
Concen: 68.570 ug/l
RT: 3.87 min Scan# 329
Delta R.T. -0.01 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	95330		
129	1.6	0.0	2.0	
130	76.8	65.0	97.4	





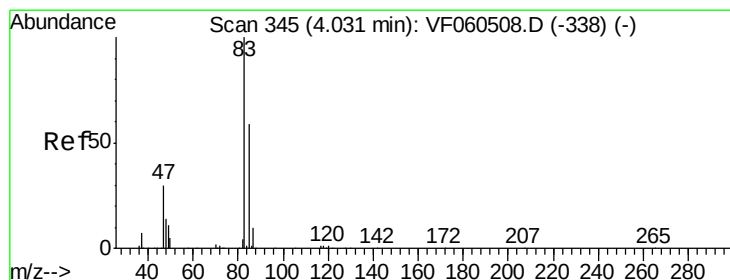
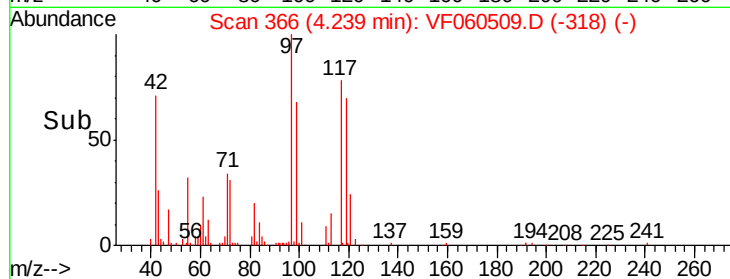
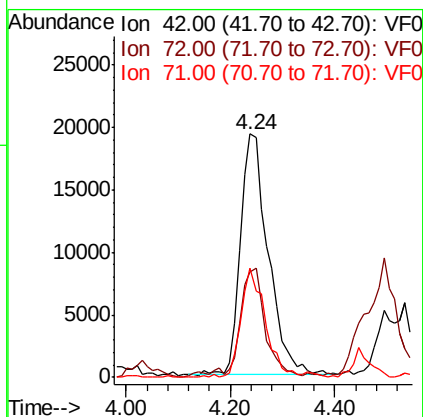
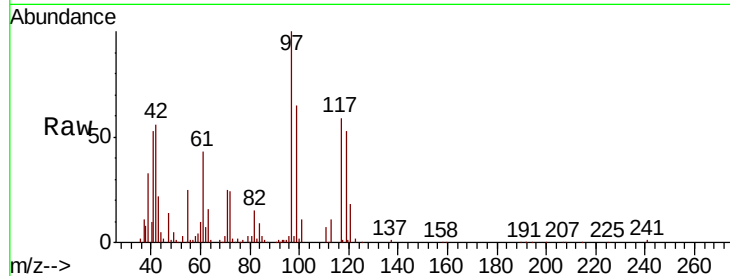
#29
Tetrahydrofuran
Concen: 284.049 ug/l
RT: 4.24 min Scan# 366
Delta R.T. -0.03 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.1	48.1
71	39.7	29.7	44.5

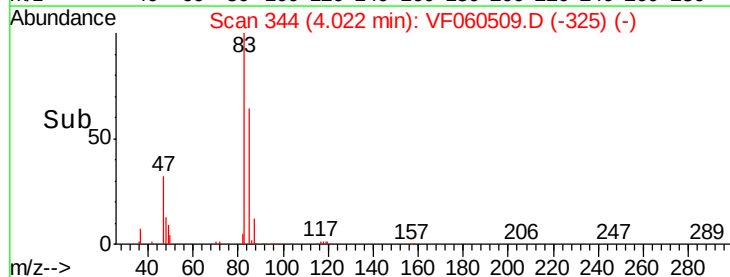
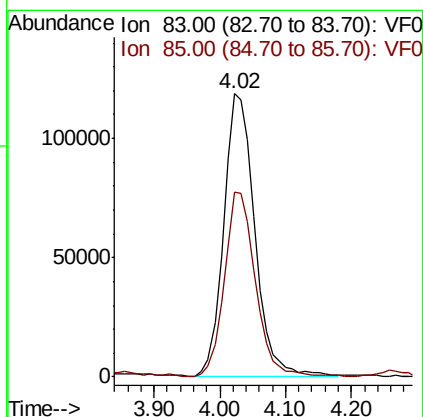
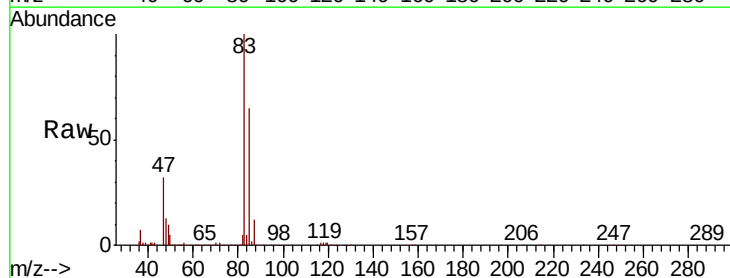
Manual Integrations
APPROVED

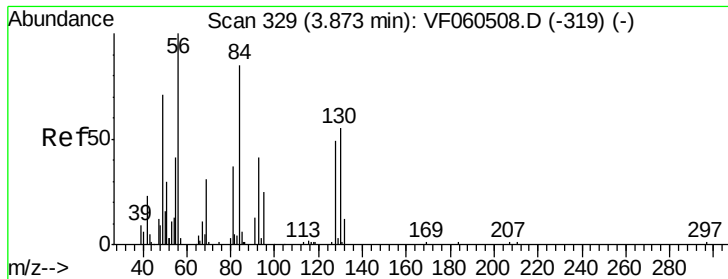
apatel
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#30
Chloroform
Concen: 84.036 ug/l
RT: 4.02 min Scan# 344
Delta R.T. -0.01 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	47.4	71.2





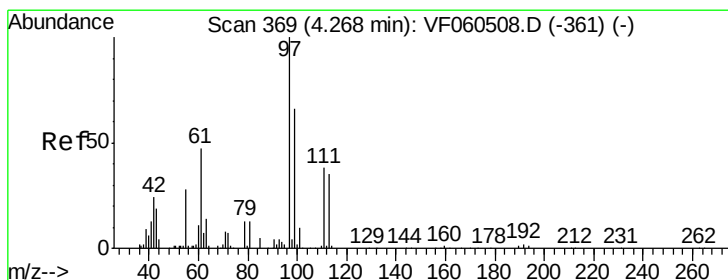
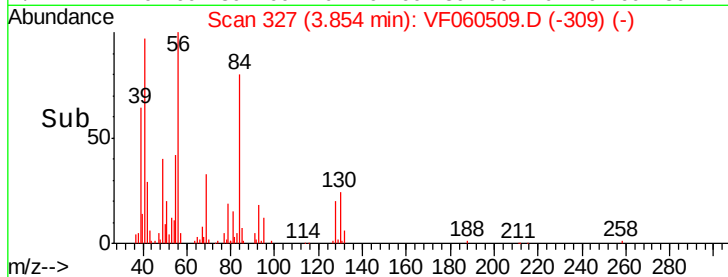
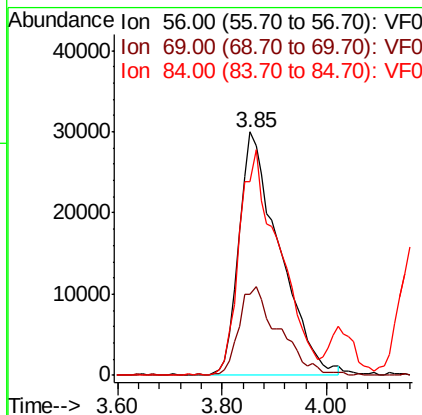
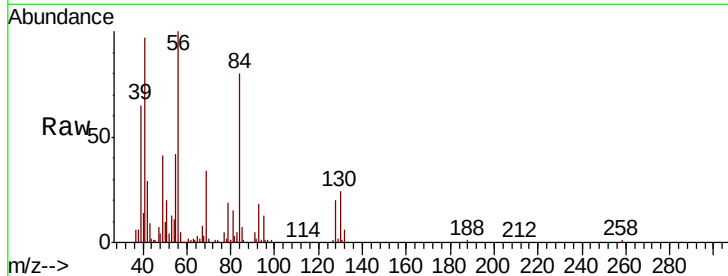
#31
Cyclohexane
Concen: 61.661 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.02 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.5	24.6	37.0
84	79.6	68.2	102.2

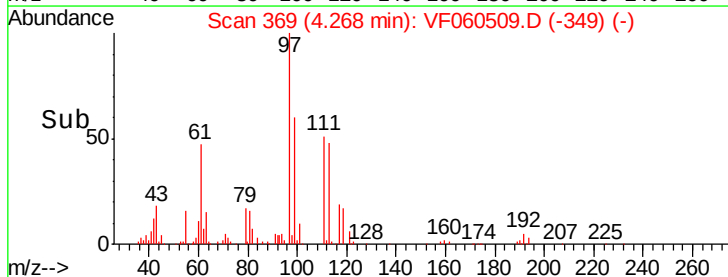
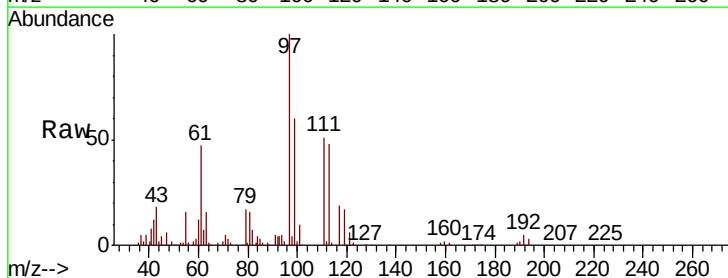
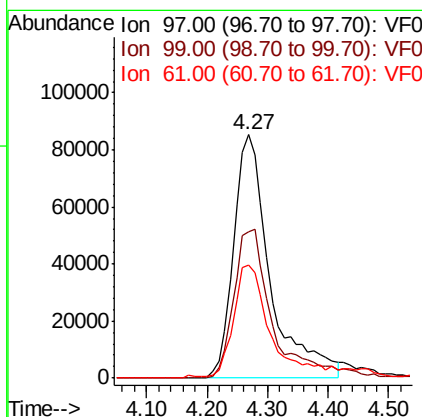
Manual Integrations
APPROVED

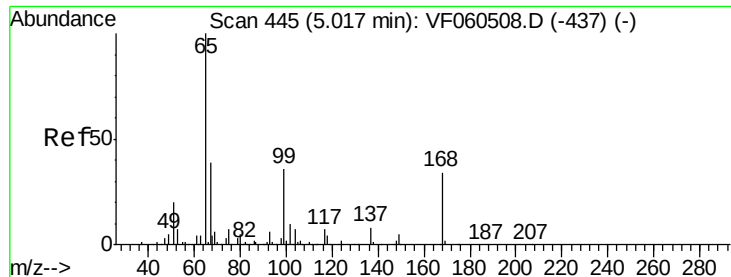
apatel
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#32
1,1,1-Trichloroethane
Concen: 98.924 ug/l
RT: 4.27 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	59.9	53.0	79.6
61	46.7	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 93.185 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 65 Resp: 225246

Ion Ratio Lower Upper

65 100

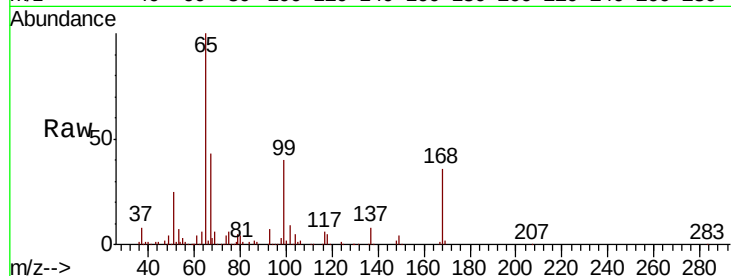
67 43.2 0.0 85.8

Manual Integrations

APPROVED

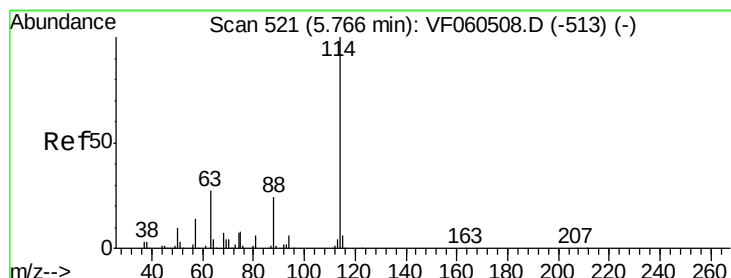
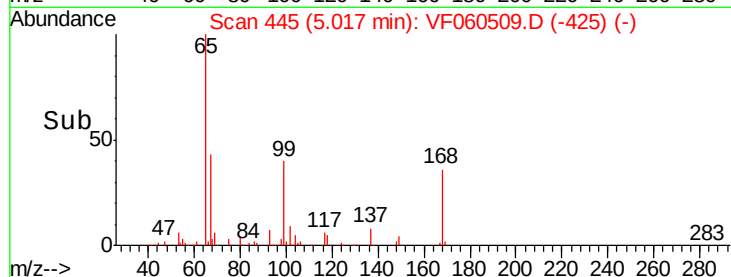
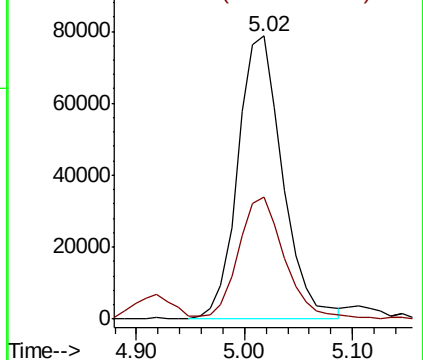
apatel

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 520

Delta R.T. -0.01 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

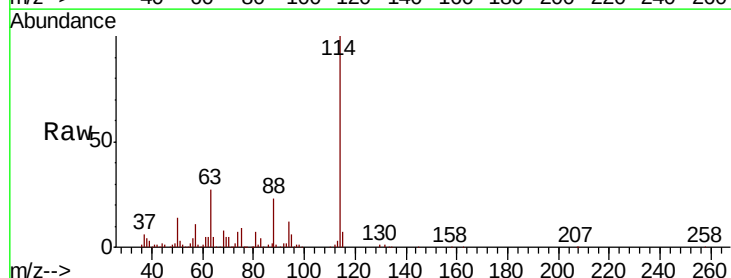
Tgt Ion: 114 Resp: 245250

Ion Ratio Lower Upper

114 100

63 27.4 0.0 54.4

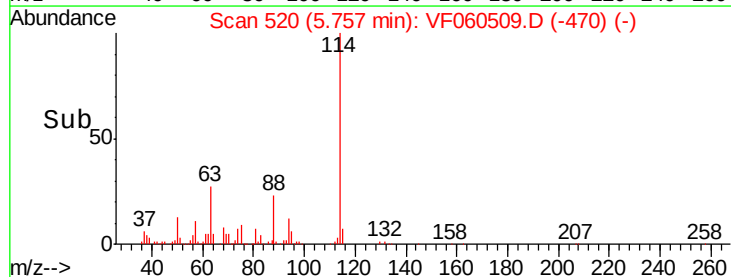
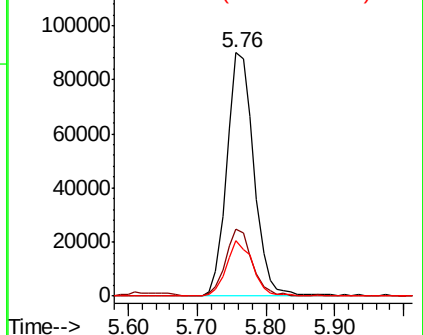
88 22.7 0.0 47.2

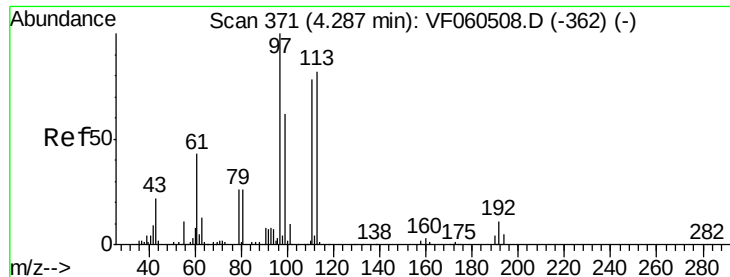


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 89.925 ug/l

RT: 4.29 min Scan# 371

Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

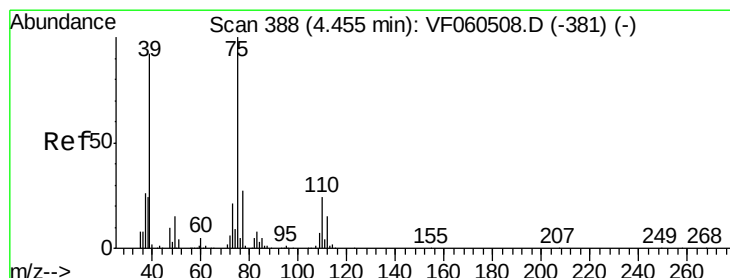
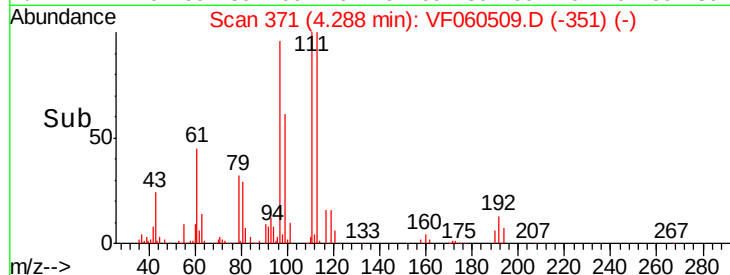
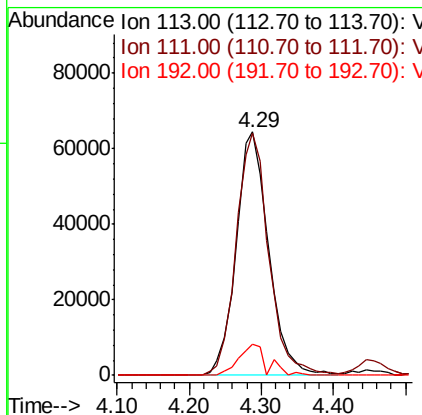
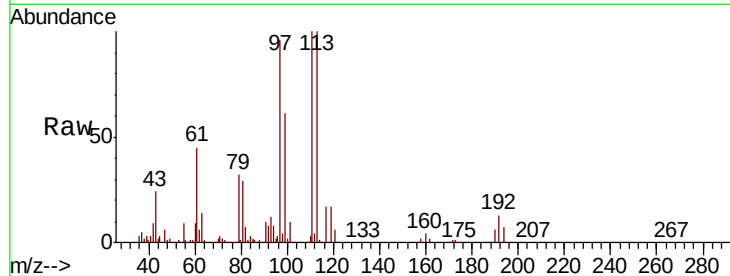
ClientSampleId :

VSTDIC075

Tot Ion:	113	Resp:	203005
Ion Ratio	Lower	Upper	
113	100		
111	99.8	75.9	113.9
192	12.6	10.6	15.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 83.342 ug/l

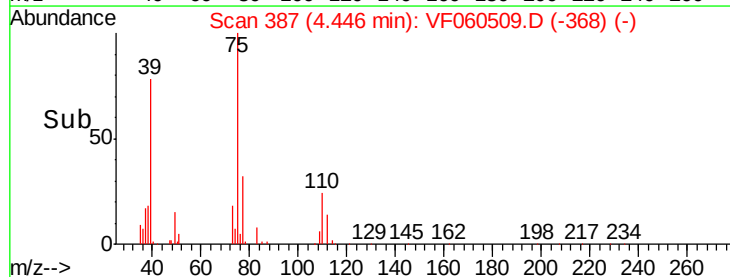
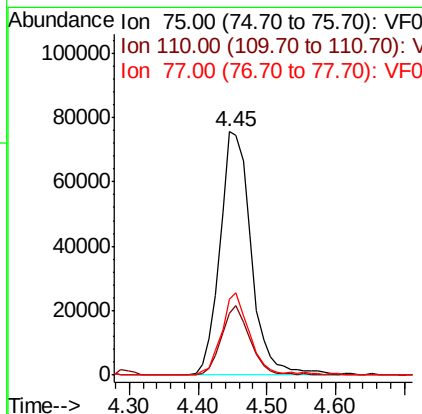
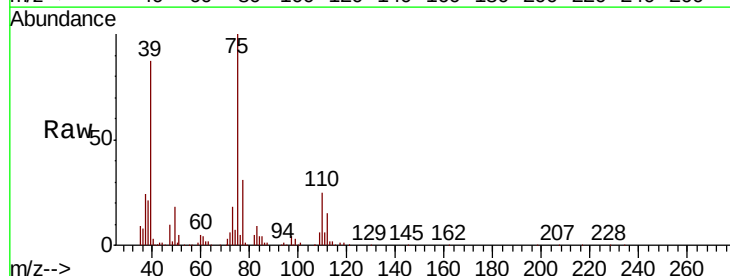
RT: 4.45 min Scan# 387

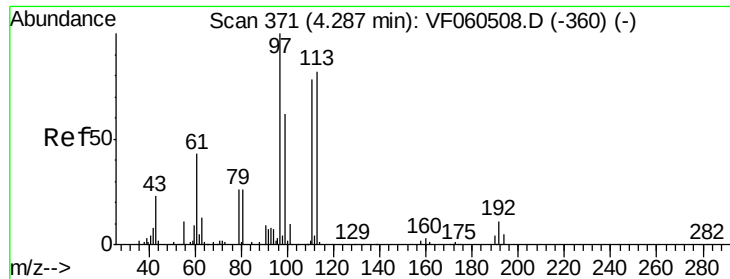
Delta R.T. -0.01 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Tgt Ion:	75	Resp:	237748
Ion Ratio	Lower	Upper	
75	100		
110	25.3	12.1	36.3
77	31.4	21.8	32.6





#37

Ethyl Acetate

Concen: 69.499 ug/l

RT: 4.28 min Scan# 370

Delta R.T. -0.01 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

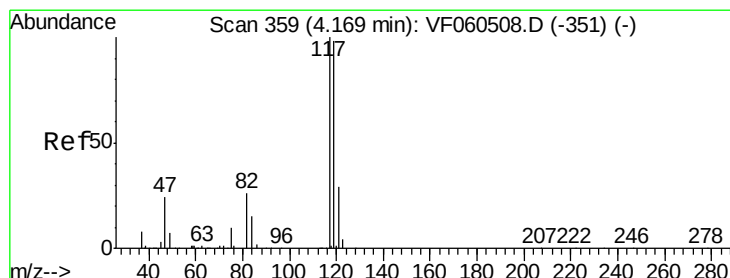
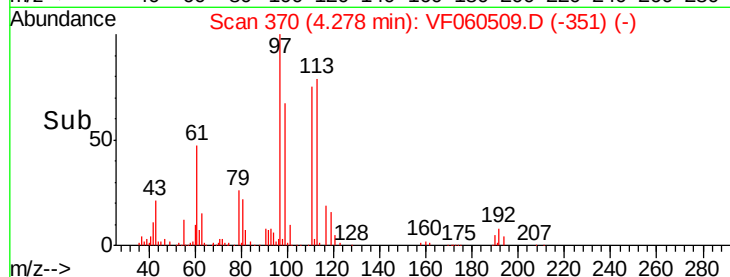
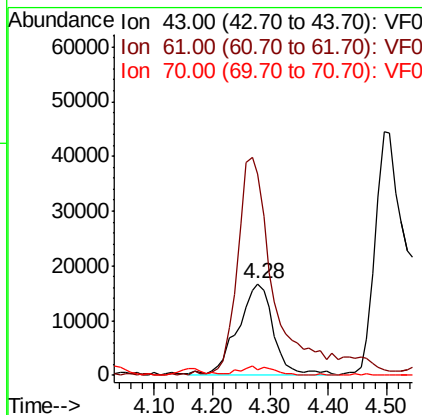
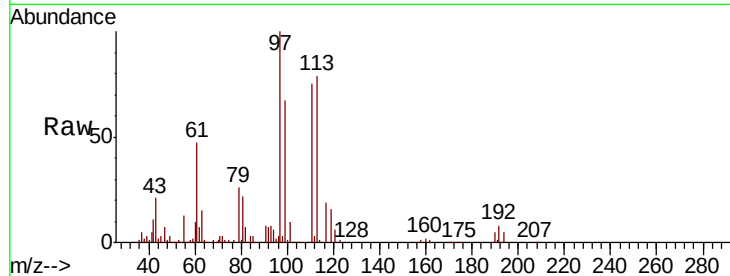
ClientSampleId :

VSTDIC075

Tot Ion:	43	Resp:	70030
Ion	Ratio	Lower	Upper
43	100		
61	221.0	148.5	222.7
70	6.7	4.7	7.1

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#38

Carbon Tetrachloride

Concen: 124.972 ug/l m

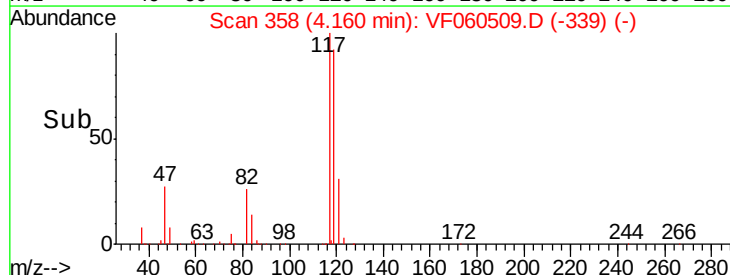
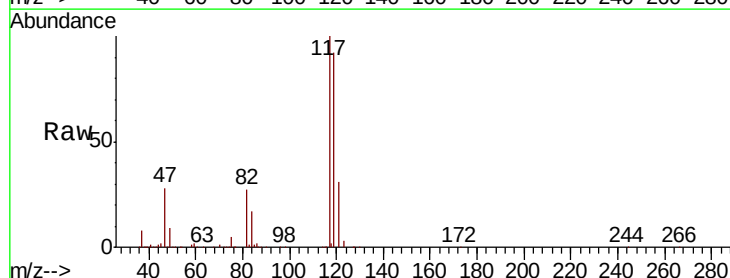
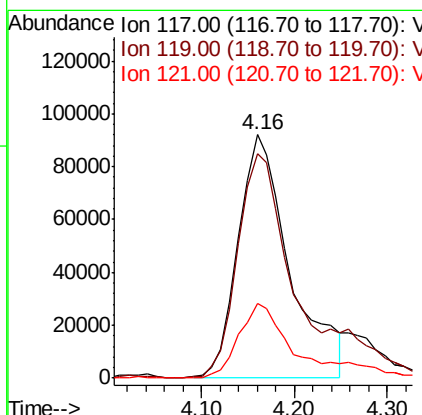
RT: 4.16 min Scan# 358

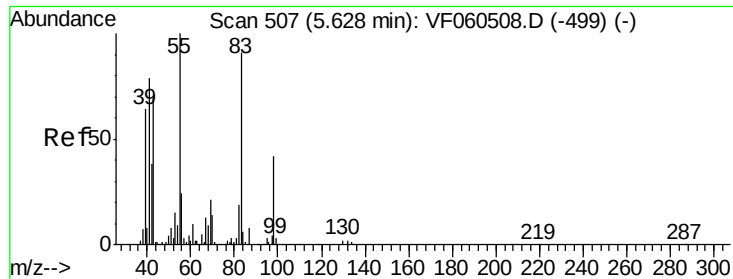
Delta R.T. -0.01 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Tgt Ion:	117	Resp:	358112
Ion	Ratio	Lower	Upper
117	100		
119	92.1	78.3	117.5
121	30.8	23.3	34.9





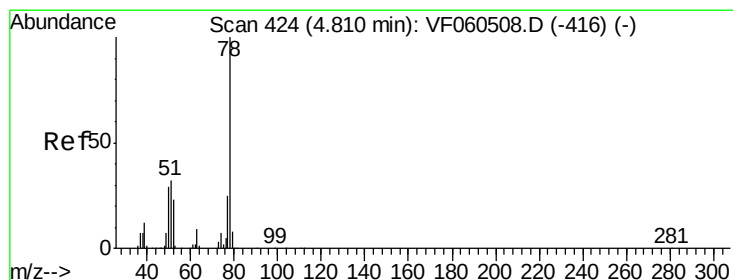
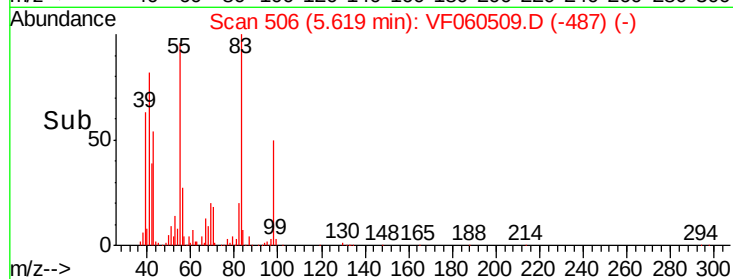
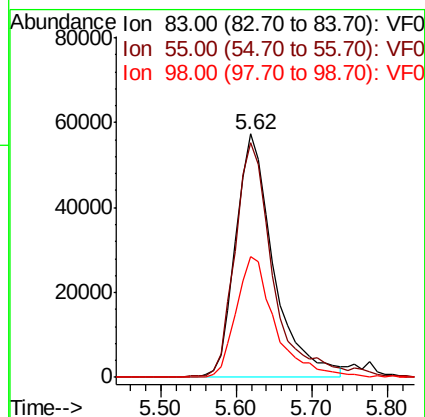
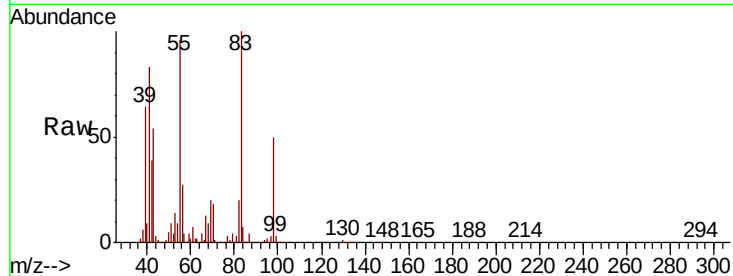
#39
Methylvlcyclohexane
Concen: 74.398 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.01 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
83	100		
55	96.4	87.9	131.9
98	49.8	37.0	55.6

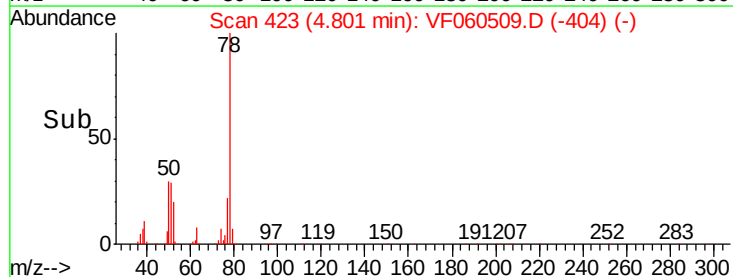
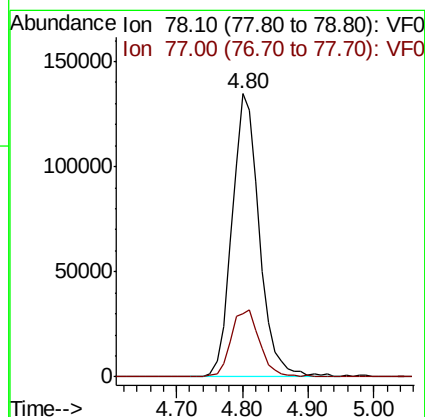
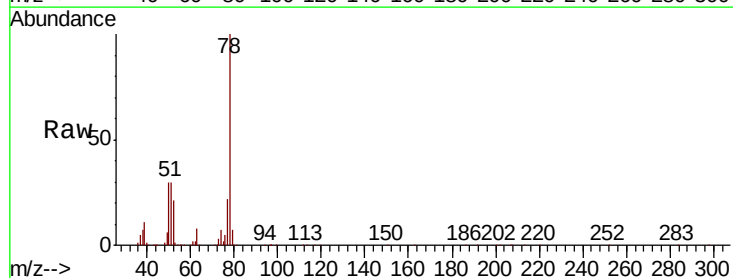
Manual Integrations
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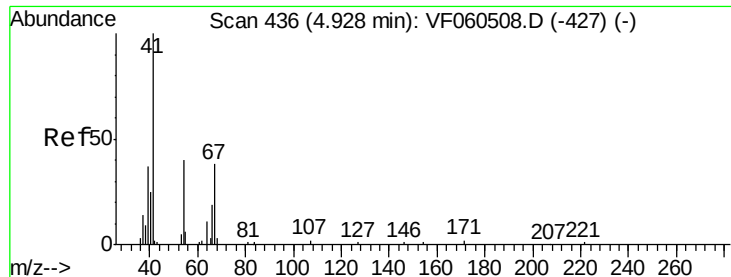
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#40
Benzene
Concen: 66.874 ug/l
RT: 4.80 min Scan# 423
Delta R.T. -0.01 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	20.2	30.4





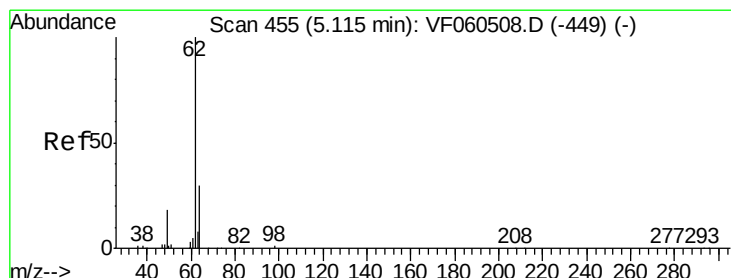
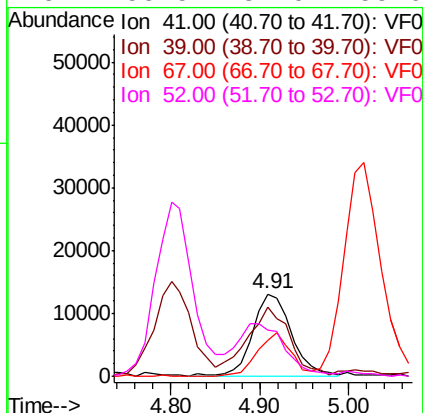
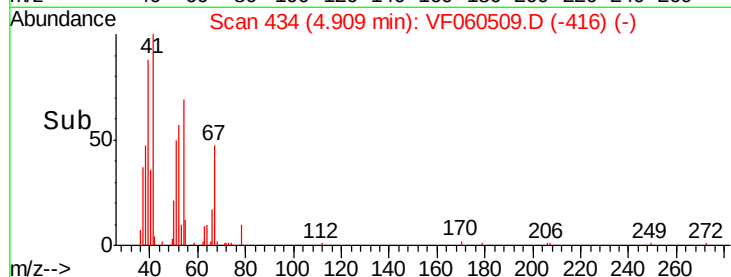
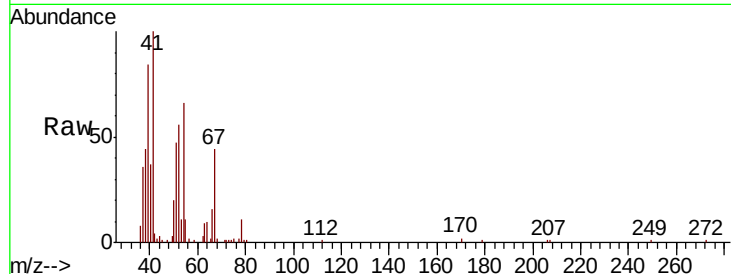
#41
Methacrylonitrile
Concen: 69.522 ug/l
RT: 4.91 min Scan# 434
Delta R.T. -0.02 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	83.7	55.2	82.8#	
67	44.2	29.8	44.8	
52	55.5	37.0	55.6	

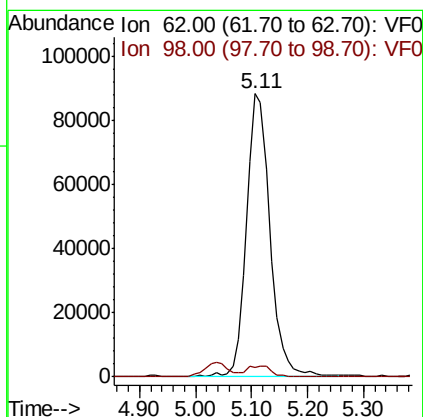
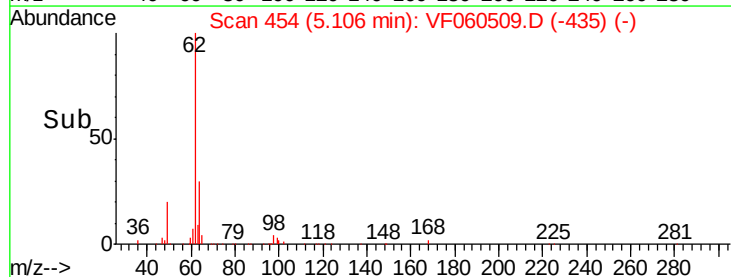
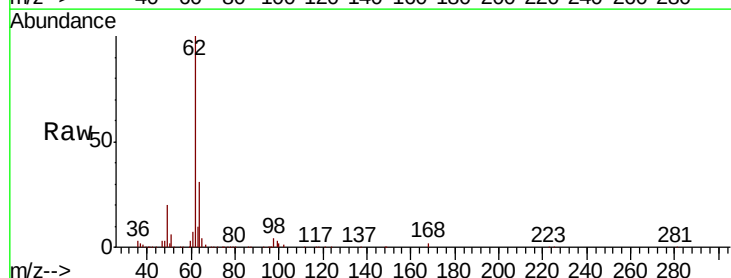
Manual Integrations
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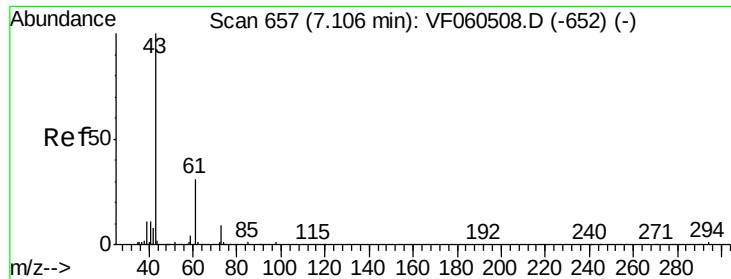
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#42
1,2-Dichloroethane
Concen: 97.141 ug/l
RT: 5.11 min Scan# 454
Delta R.T. -0.01 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	3.6	0.0	9.4	





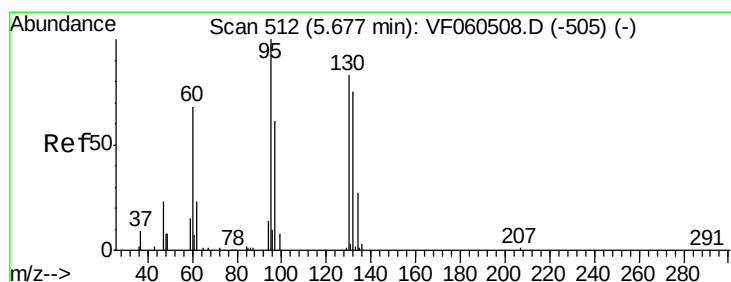
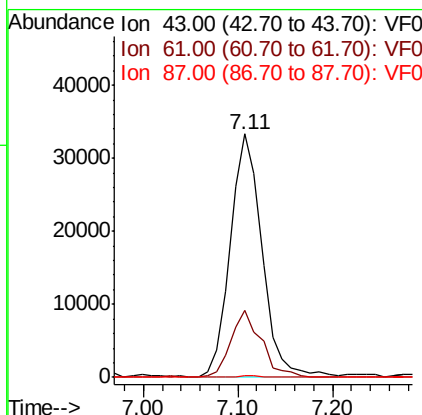
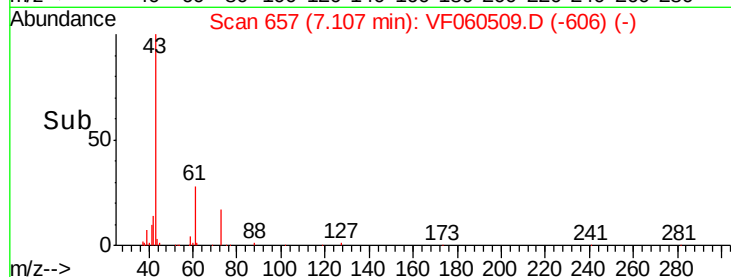
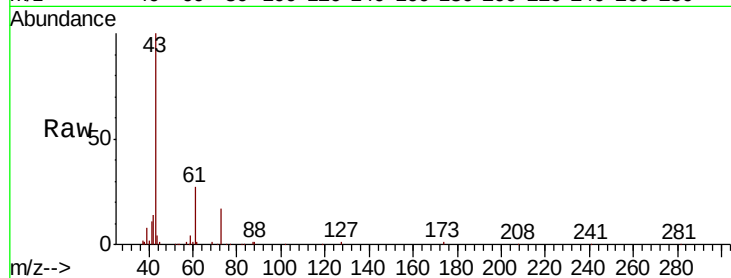
#43
Isopropyl Acetate
Concen: 62.053 ug/l
RT: 7.11 min Scan# 657
Delta R.T. 0.00 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.3	24.4	36.6
87	0.7	0.0	0.0#

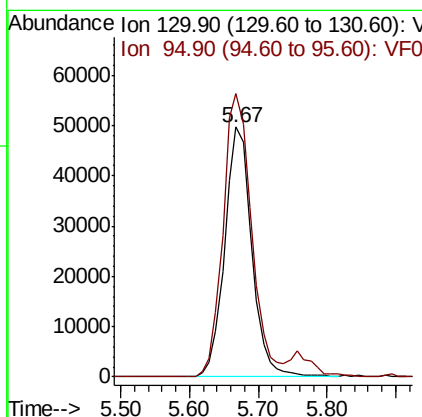
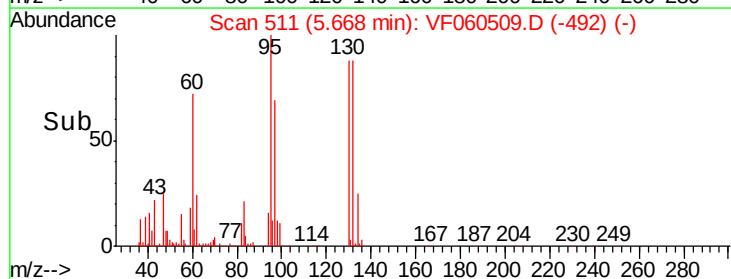
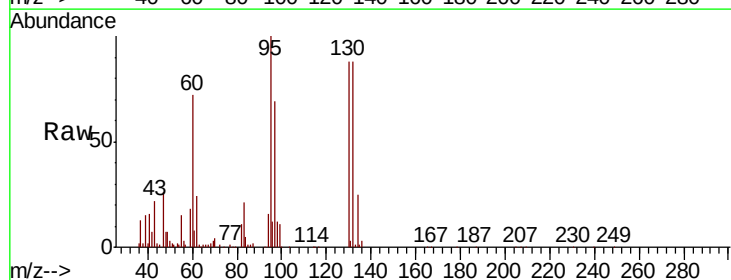
Manual Integrations
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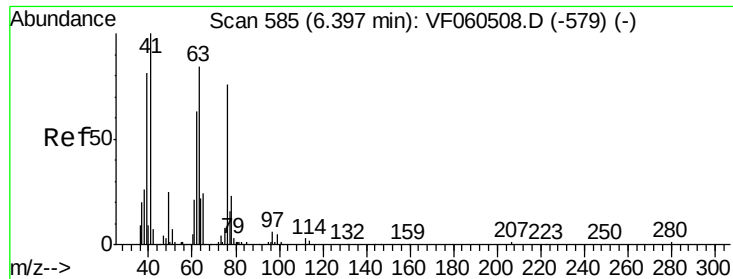
apatel
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#44
Trichloroethene
Concen: 74.248 ug/l
RT: 5.67 min Scan# 511
Delta R.T. -0.01 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Tgt Ion	Ratio	Lower	Upper
130	100		
95	113.4	0.0	242.8





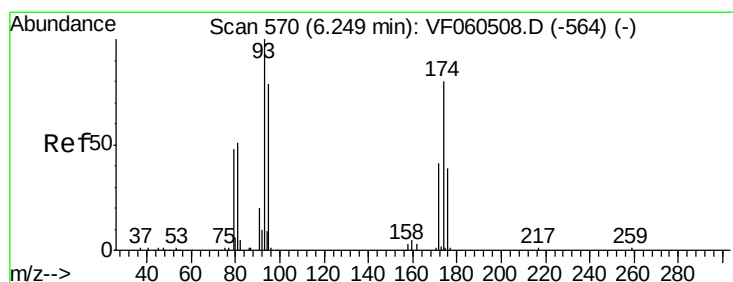
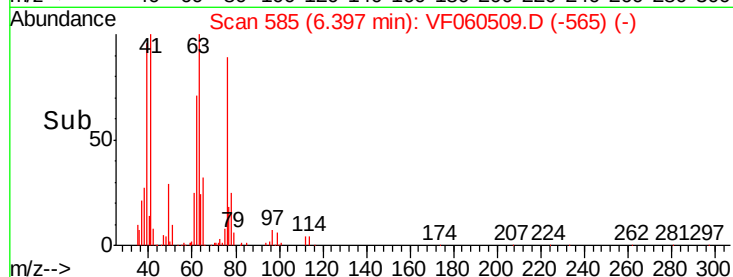
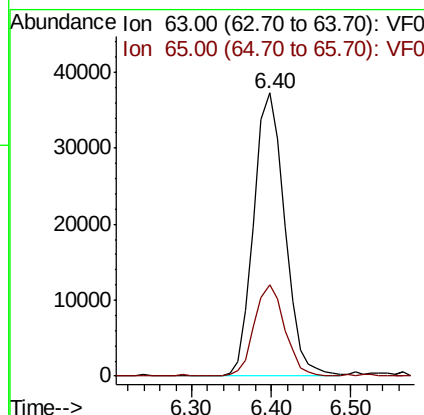
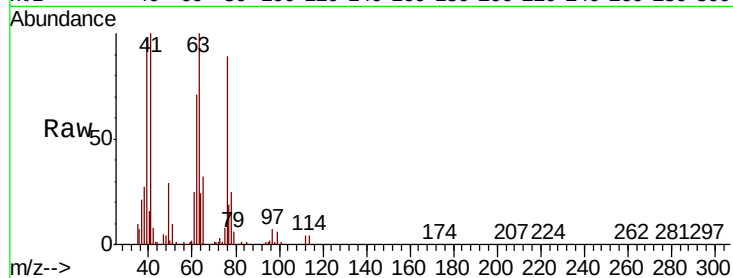
#45
 1,2-Dichloropropane
 Concen: 70.054 ug/l
 RT: 6.40 min Scan# 585
 Delta R.T. 0.00 min
 Lab File: VF060509.D
 Acq: 25 Oct 2018 16:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	63	Resp	100443
Ion	Ratio	Lower	Upper
63	100		
65	32.3	22.7	34.1

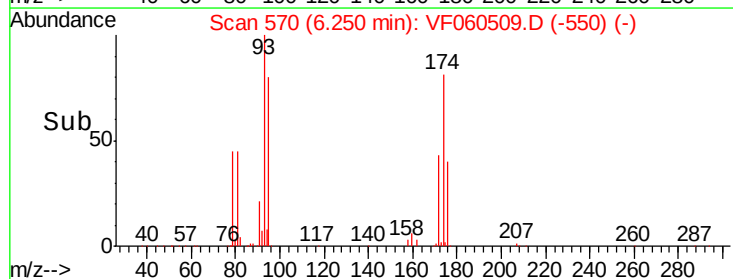
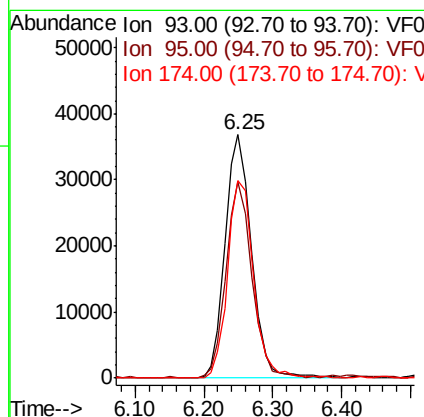
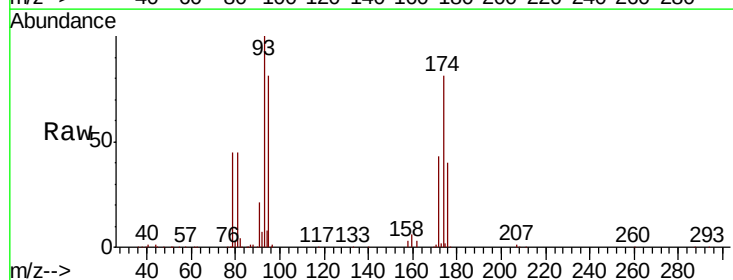
Manual Integrations
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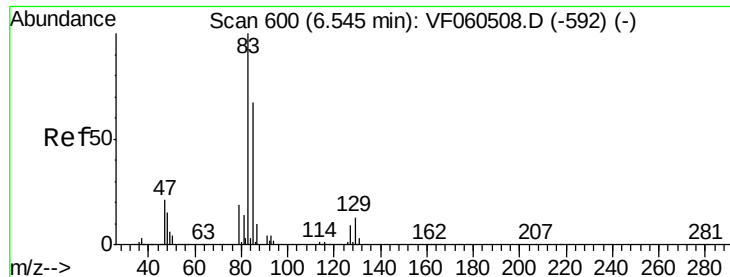
apatel
 10/26/2018 10:27:45 AM



#46
 Dibromomethane
 Concen: 85.070 ug/l
 RT: 6.25 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VF060509.D
 Acq: 25 Oct 2018 16:02

Tgt Ion	93	Resp	97840
Ion	Ratio	Lower	Upper
93	100		
95	81.1	63.8	95.8
174	81.0	64.9	97.3





#47

Bromodichloromethane

Concen: 93.315 ug/l

RT: 6.55 min Scan# 600

Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

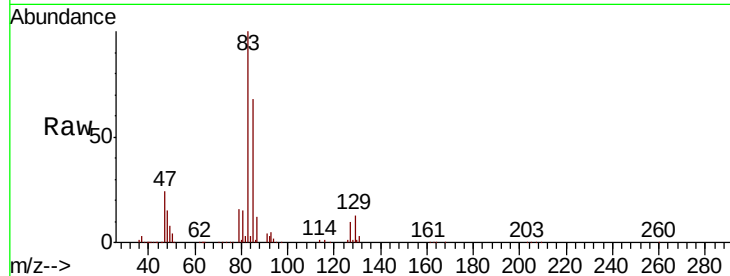
ClientSampleId :

VSTDIC075

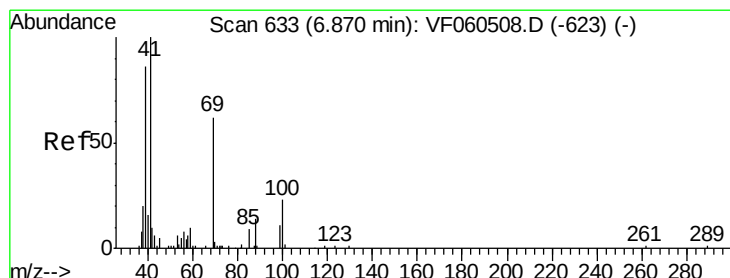
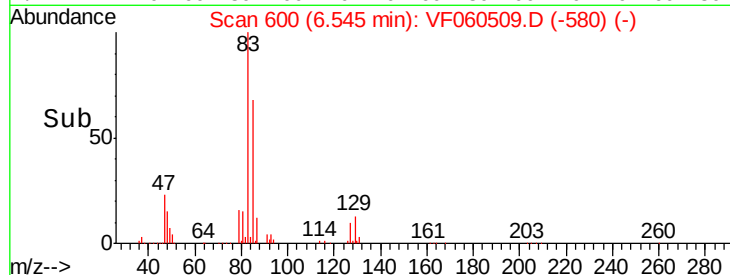
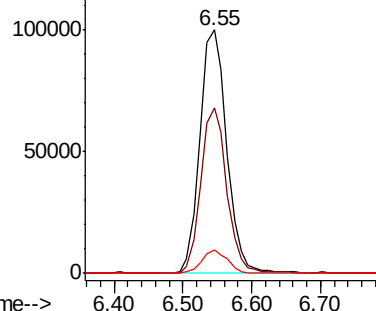
Tot Ion:	83	Resp:	271049
Ion	Ratio	Lower	Upper
83	100		
85	67.8	53.4	80.0
127	9.6	6.9	10.3

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Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 74.663 ug/l

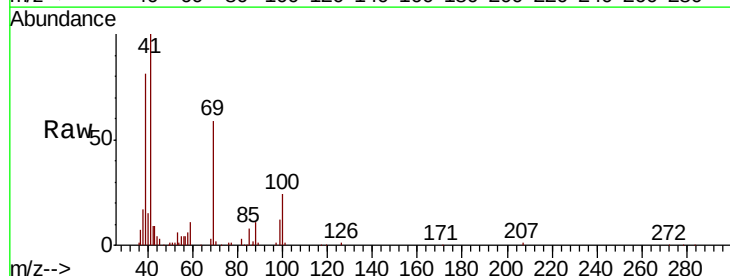
RT: 6.87 min Scan# 633

Delta R.T. 0.00 min

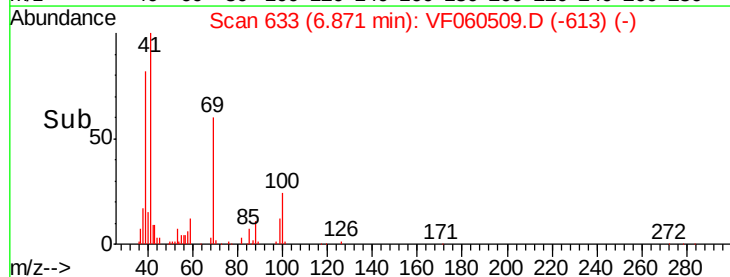
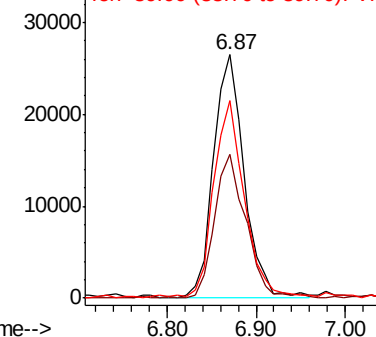
Lab File: VF060509.D

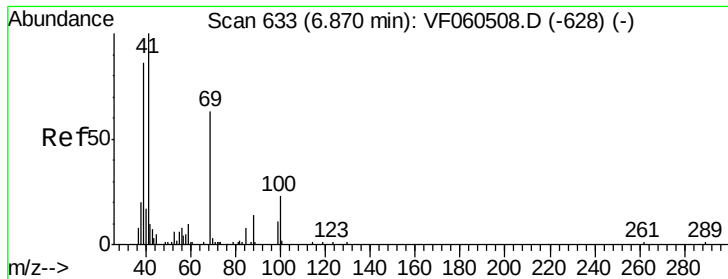
Acq: 25 Oct 2018 16:02

Tgt Ion:	41	Resp:	63518
Ion	Ratio	Lower	Upper
41	100		
69	59.2	49.6	74.4
39	81.3	69.4	104.2



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





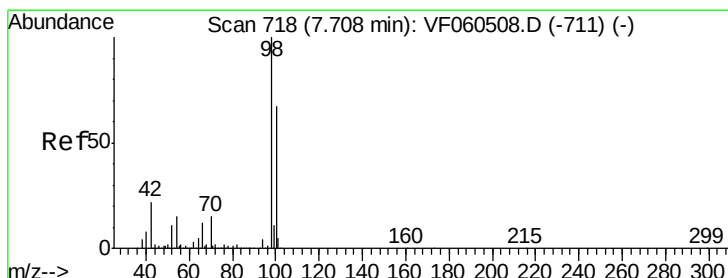
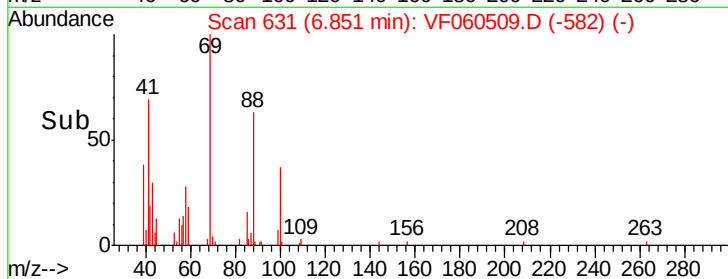
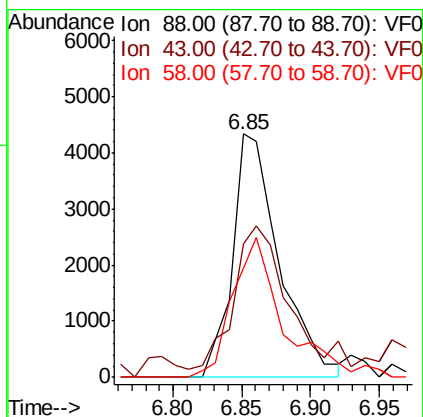
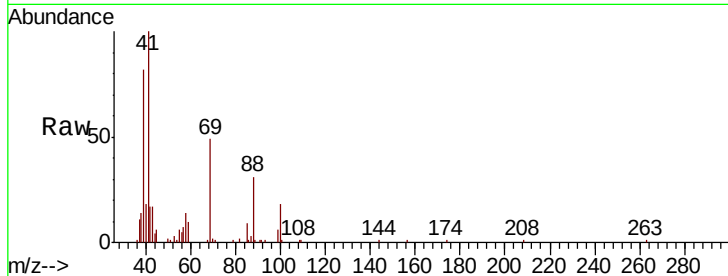
#49
1,4-Dioxane
Concen: 1406.819 ug/l
RT: 6.85 min Scan# 631
Delta R.T. -0.02 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
88	100		
43	54.7	39.3	58.9
58	45.1	35.0	52.6

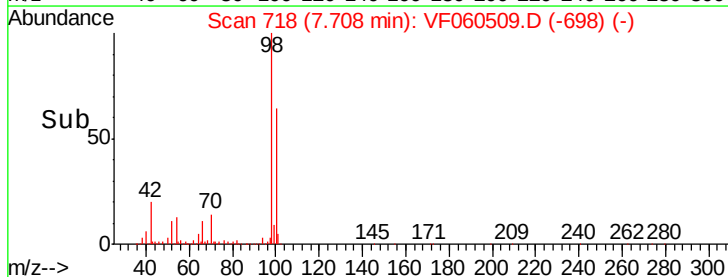
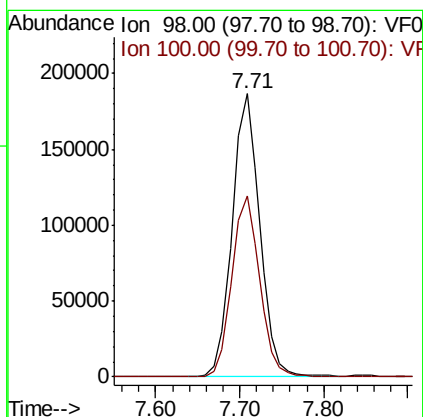
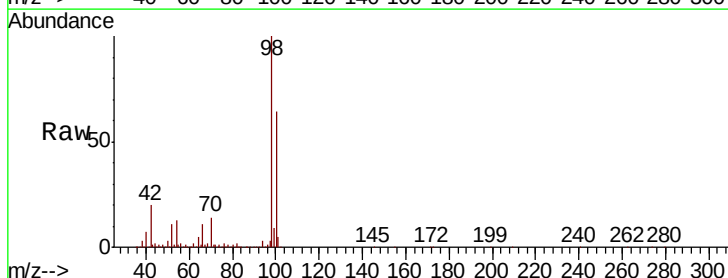
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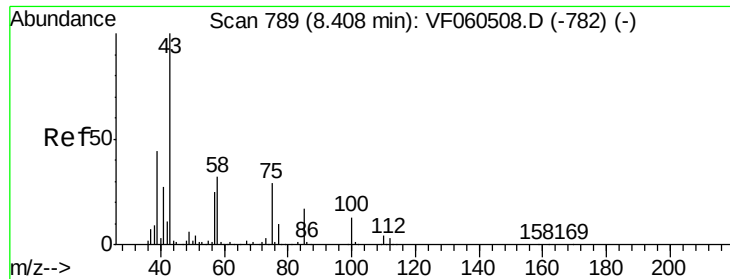
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#50
Toluene-d8
Concen: 78.633 ug/l
RT: 7.71 min Scan# 718
Delta R.T. 0.00 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 363.314 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.01 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 43 Resp: 318289

Ion Ratio Lower Upper

43 100

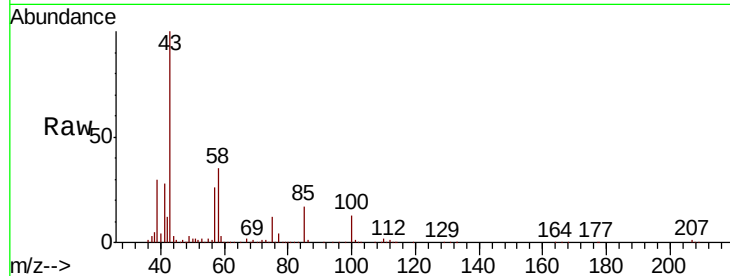
58 34.8 25.4 38.2

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

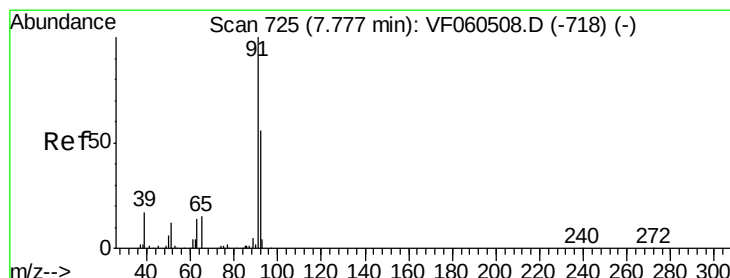
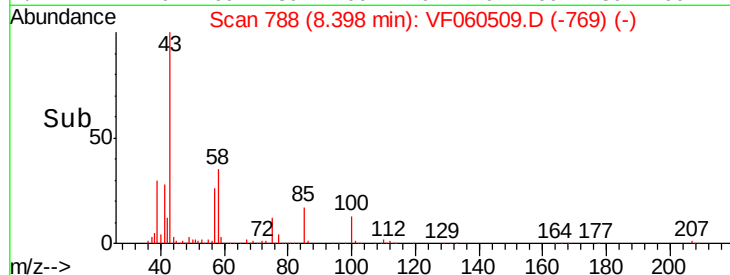
100000

50000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 69.595 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.00 min

Lab File: VF060509.D

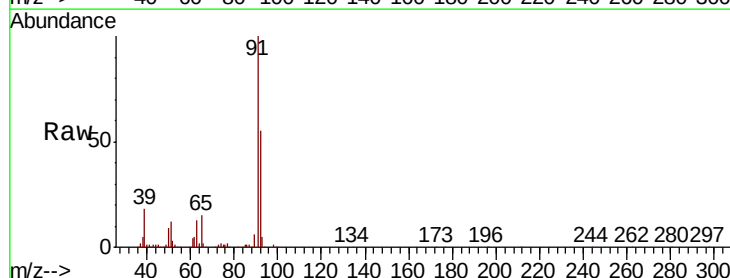
Acq: 25 Oct 2018 16:02

Tgt Ion: 92 Resp: 256722

Ion Ratio Lower Upper

92 100

91 181.0 143.8 215.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

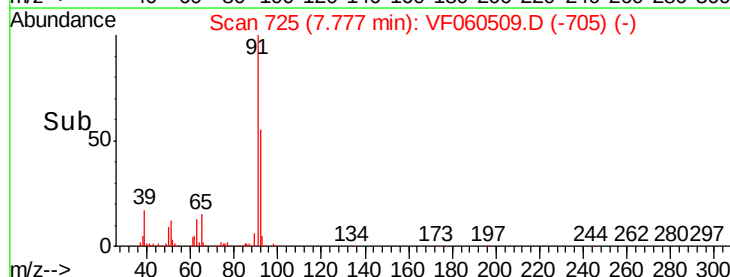
100000

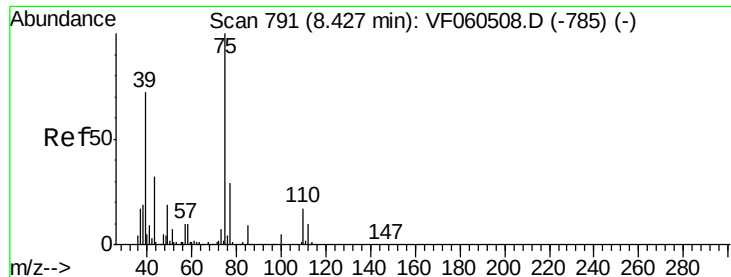
50000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 82.618 ug/l

RT: 8.43 min Scan# 791

Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 75 Resp: 186382

Ion Ratio Lower Upper

75 100

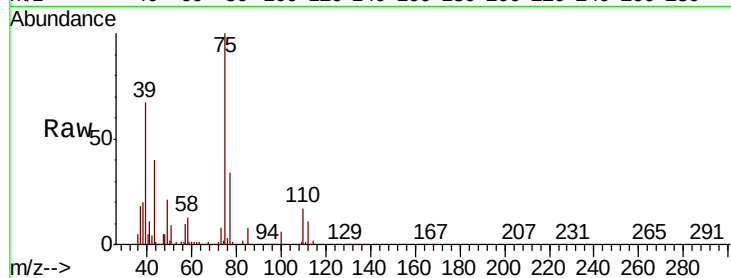
77 33.7 23.7 35.5

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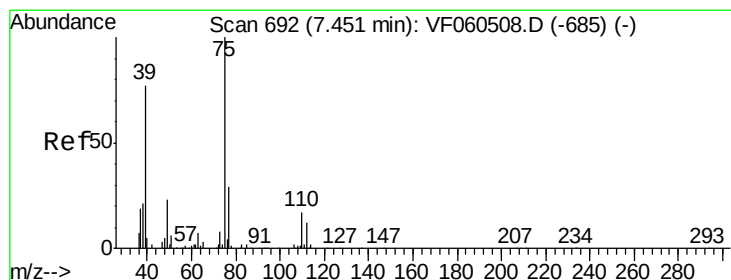
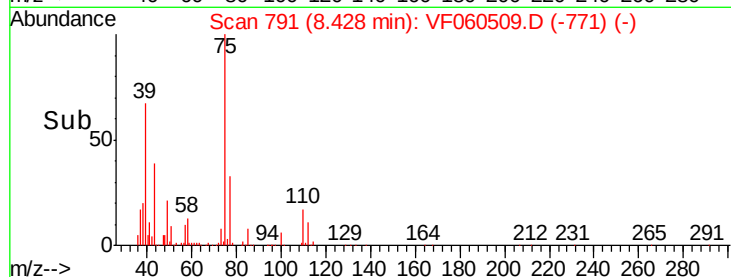
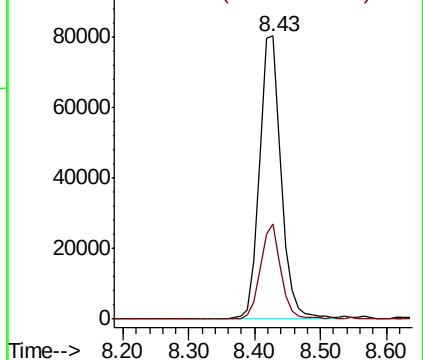
apatel

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 77.360 ug/l

RT: 7.45 min Scan# 692

Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

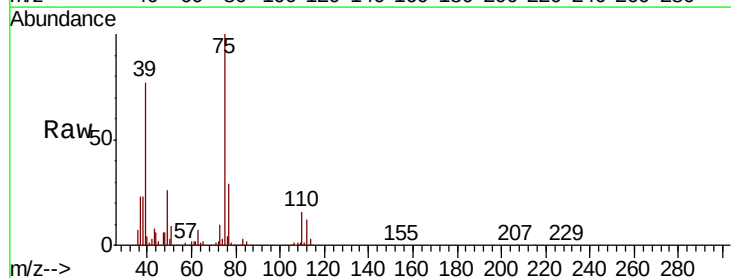
Tgt Ion: 75 Resp: 203260

Ion Ratio Lower Upper

75 100

77 29.1 23.6 35.4

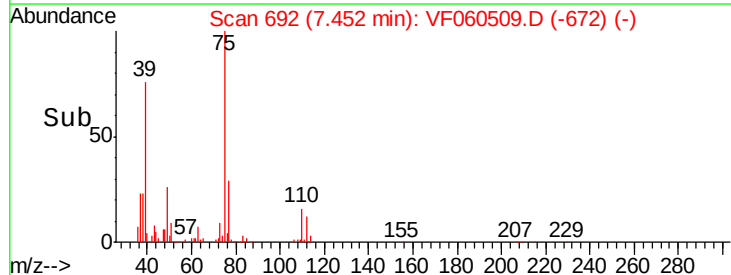
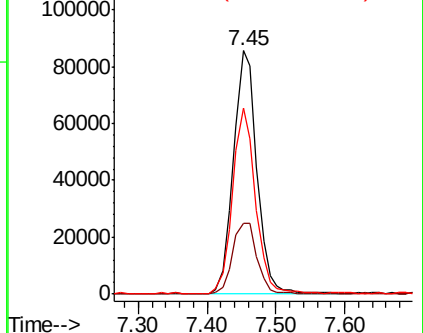
39 76.5 61.6 92.4

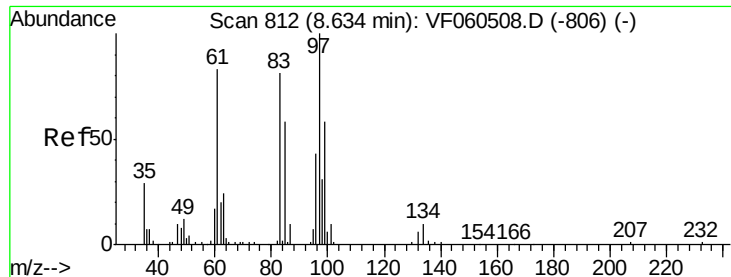


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





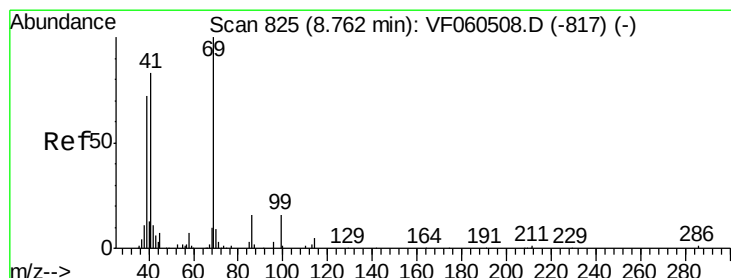
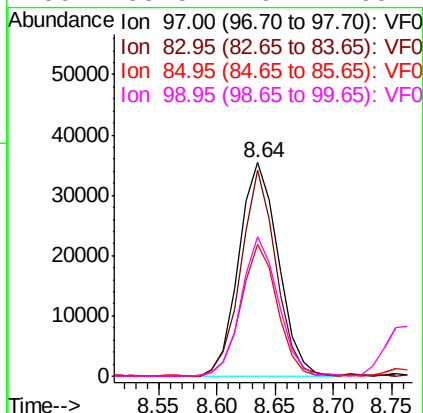
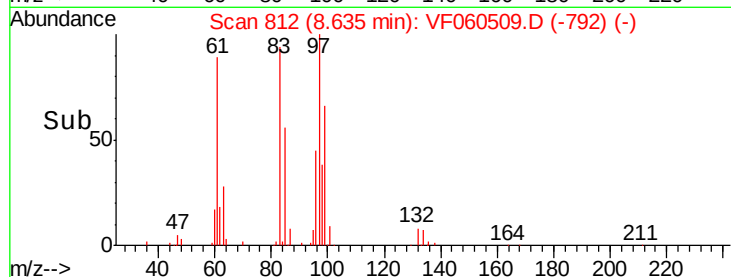
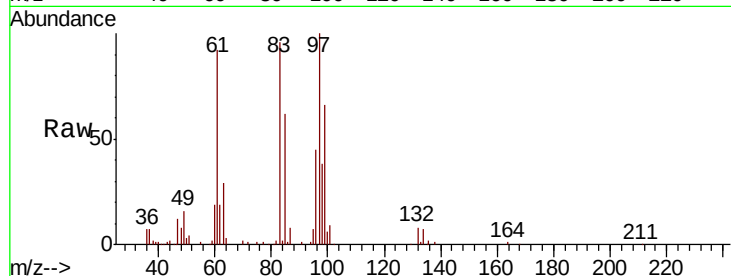
#55
 1,1,2-Trichloroethane
 Concen: 73.476 ug/l
 RT: 8.64 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: VF060509.D
 Acq: 25 Oct 2018 16:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion:	97	Resp:	83299
Ion	Ratio	Lower	Upper
97	100		
83	96.3	65.0	97.4
85	62.0	47.0	70.6
99	65.5	46.2	69.4

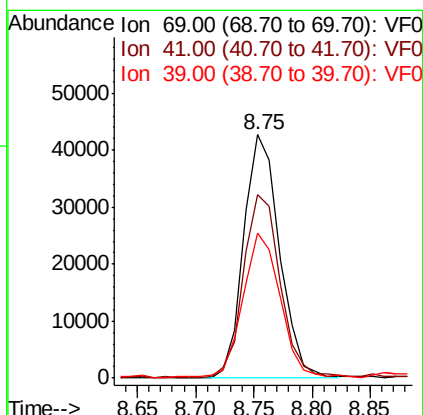
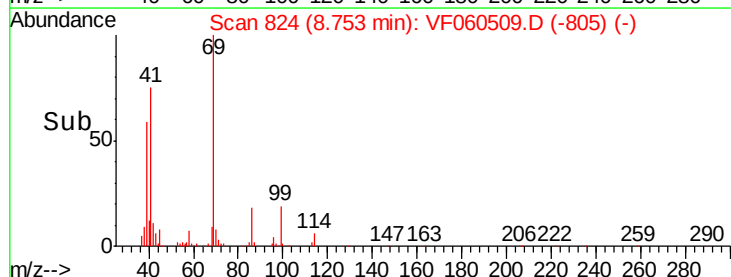
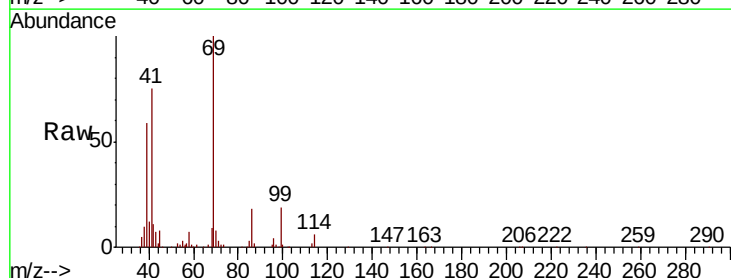
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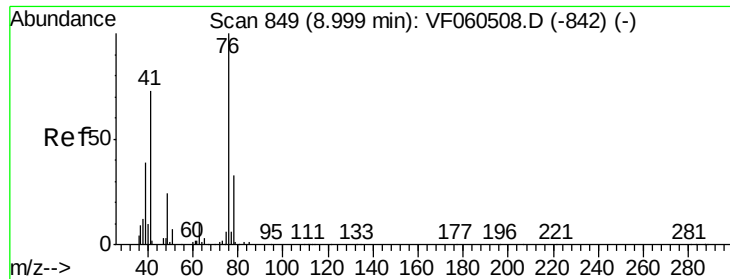
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#56
 Ethyl methacrylate
 Concen: 69.554 ug/l
 RT: 8.75 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: VF060509.D
 Acq: 25 Oct 2018 16:02

Tgt Ion:	69	Resp:	91234
Ion	Ratio	Lower	Upper
69	100		
41	75.4	67.2	100.8
39	59.4	58.4	87.6





#57

1,3-Dichloropropane

Concen: 75.248 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 76 Resp: 146891

Ion Ratio Lower Upper

76 100

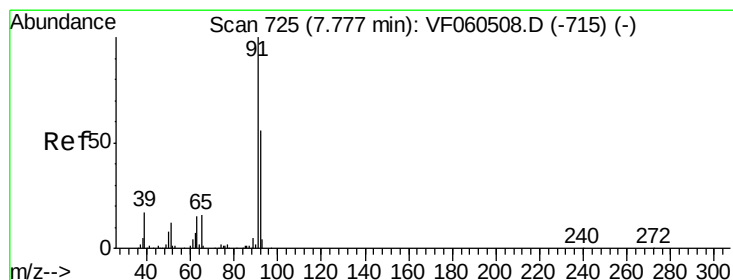
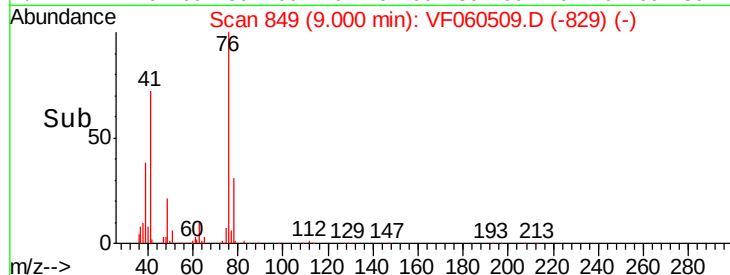
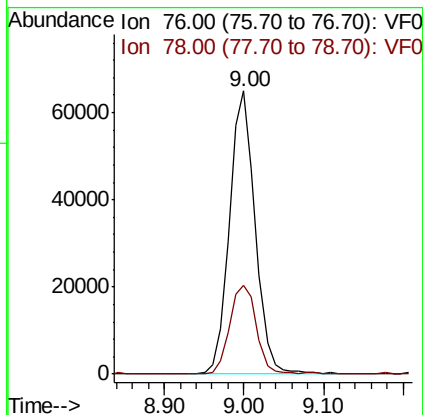
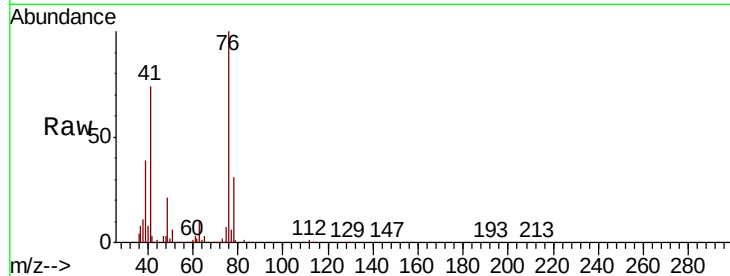
78 31.4 26.6 40.0

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#58

2-Chloroethyl Vinyl ether

Concen: 459.103 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.00 min

Lab File: VF060509.D

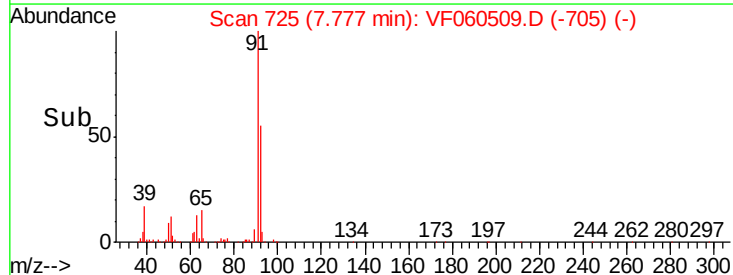
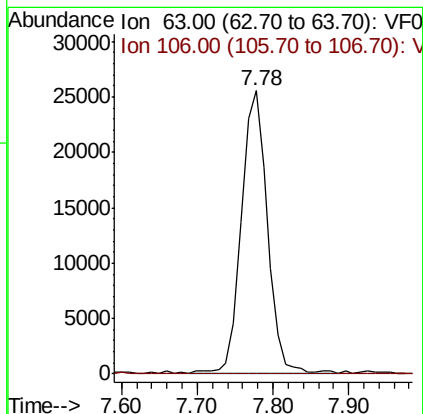
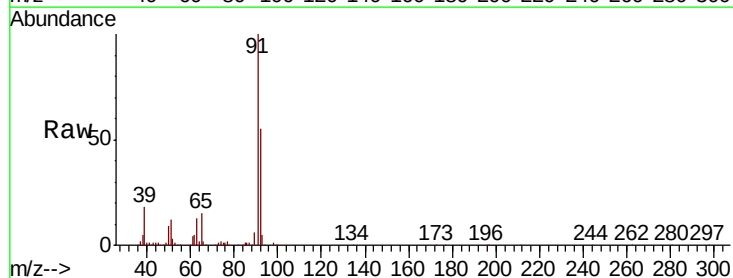
Acq: 25 Oct 2018 16:02

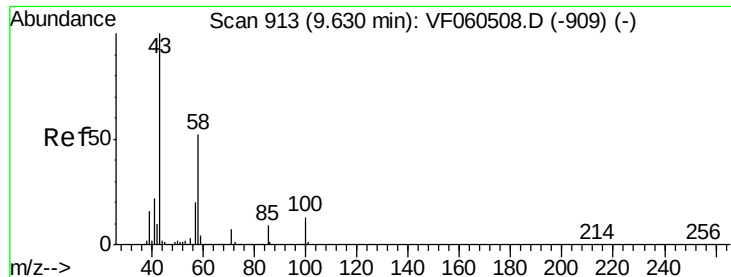
Tgt Ion: 63 Resp: 61195

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





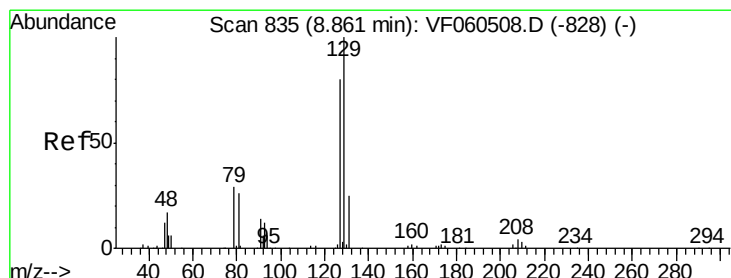
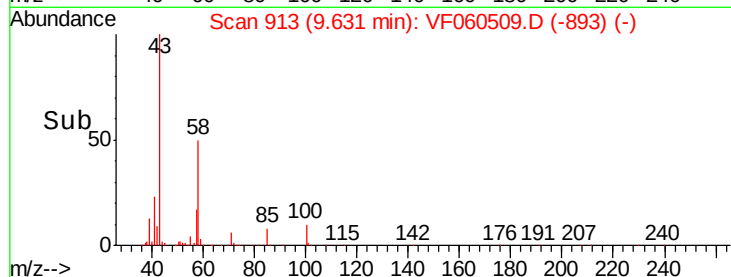
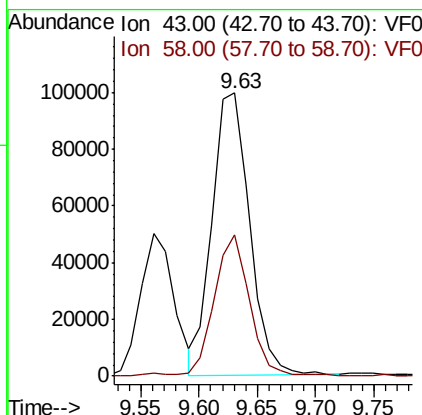
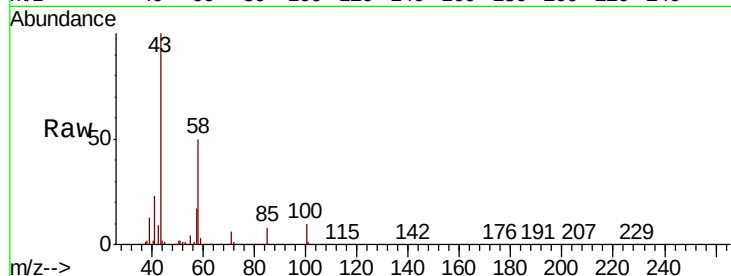
#59
2-Hexanone
Concen: 351.904 ug/l
RT: 9.63 min Scan# 913
Delta R.T. 0.00 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.9	23.5	70.5

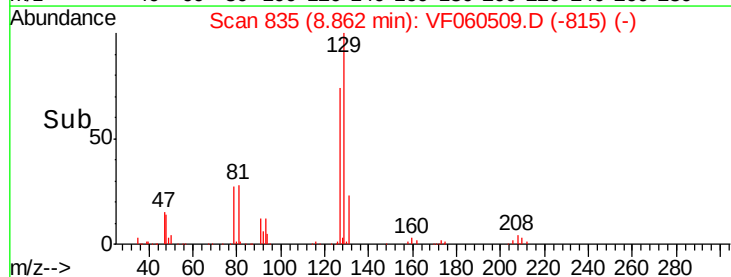
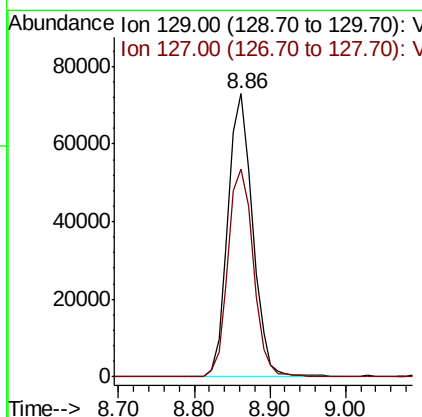
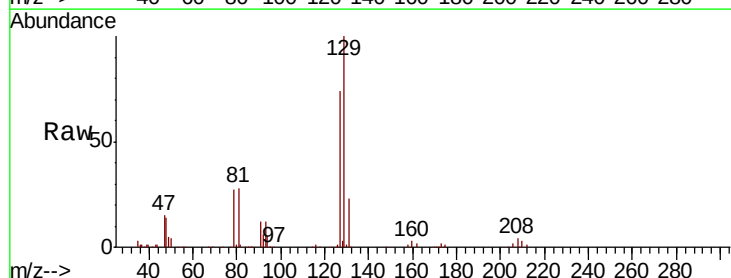
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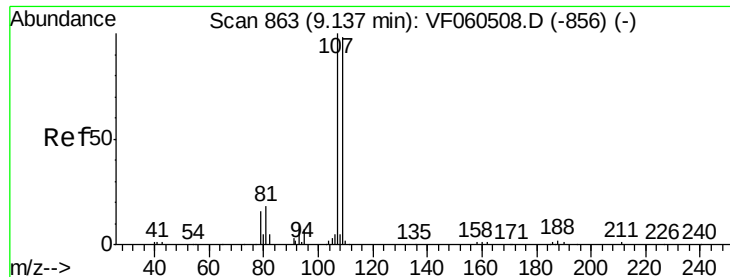
apatel
10/26/2018 10:27:45 AM



#60
Dibromochloromethane
Concen: 92.816 ug/l
RT: 8.86 min Scan# 835
Delta R.T. 0.00 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.5	40.2	120.5





#61

1,2-Dibromoethane

Concen: 78.491 ug/l

RT: 9.14 min Scan# 863

Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 107 Resp: 100542

Ion Ratio Lower Upper

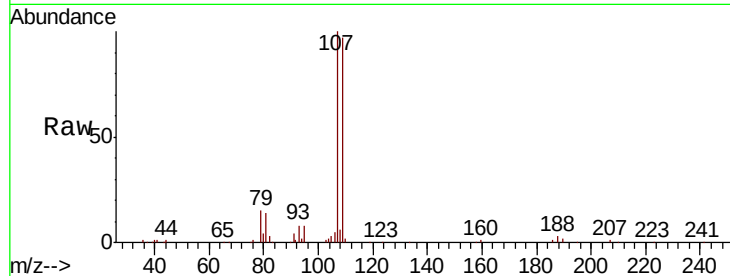
107 100

109 97.1 78.6 118.0

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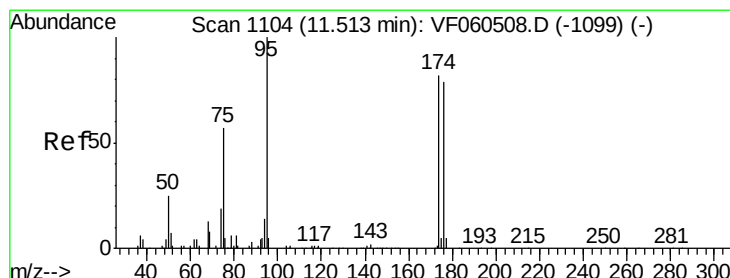
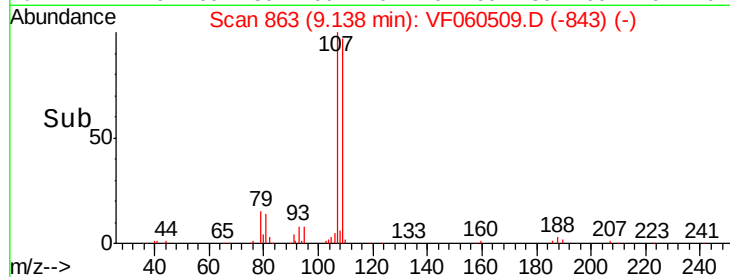
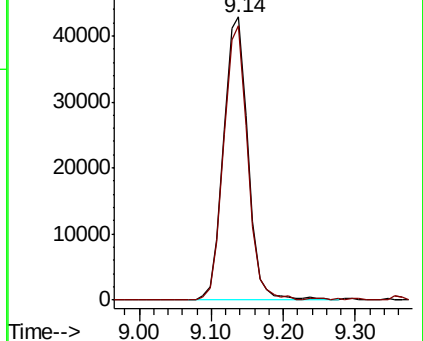
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 94.954 ug/l

RT: 11.51 min Scan# 1104

Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

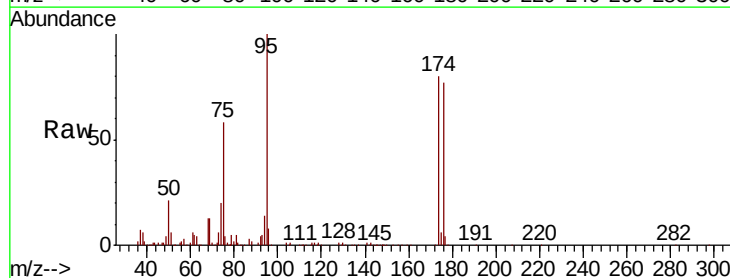
Tgt Ion: 95 Resp: 226056

Ion Ratio Lower Upper

95 100

174 79.6 0.0 164.2

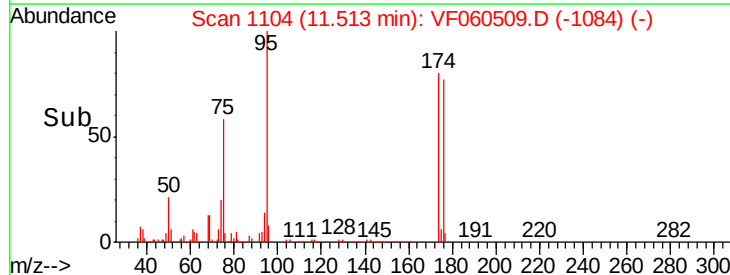
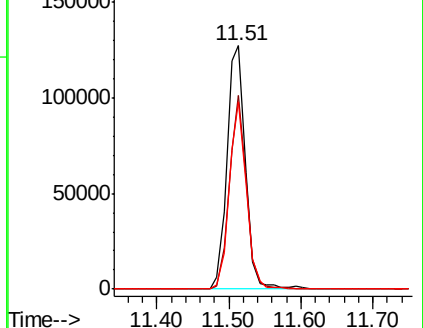
176 77.0 0.0 158.4

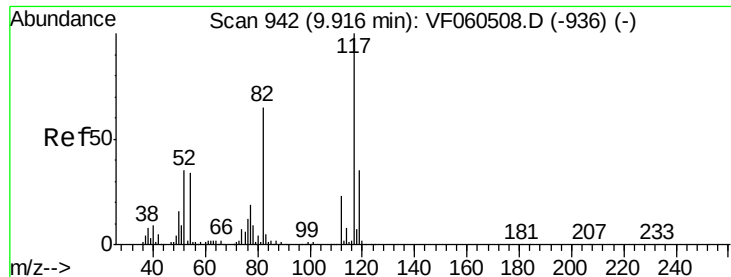


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





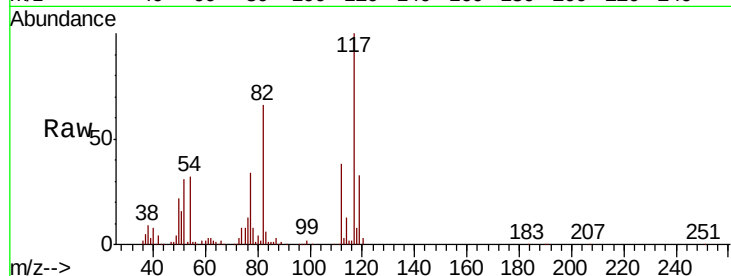
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.4	51.7	77.5
119	32.5	28.3	42.5

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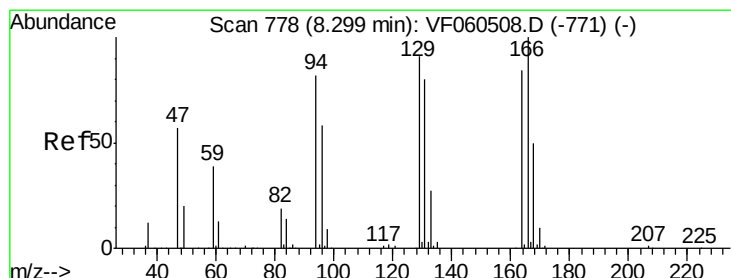
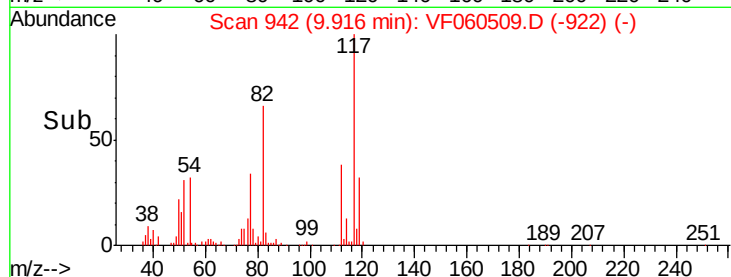
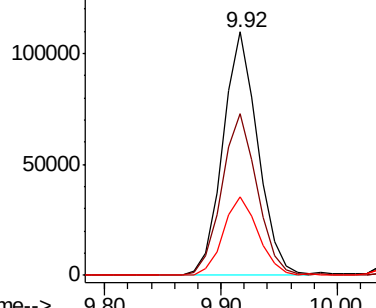


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 71.763 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	95.1	142.7
129	107.3	86.3	129.5
131	105.3	76.5	114.7

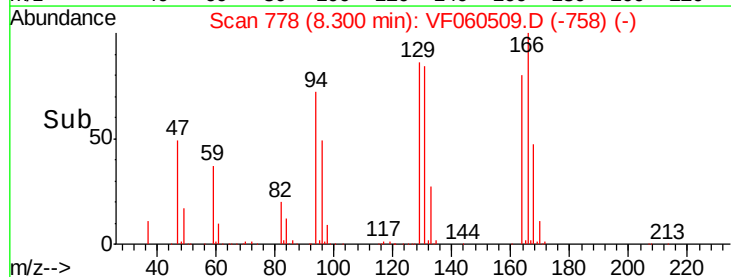
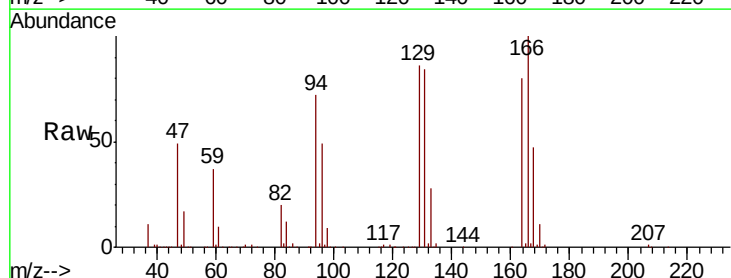
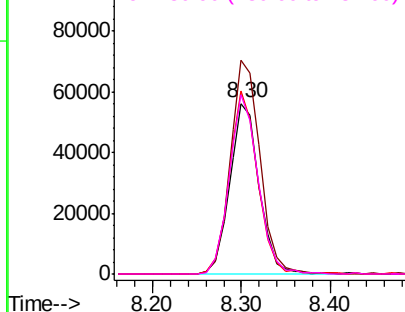
Abundance

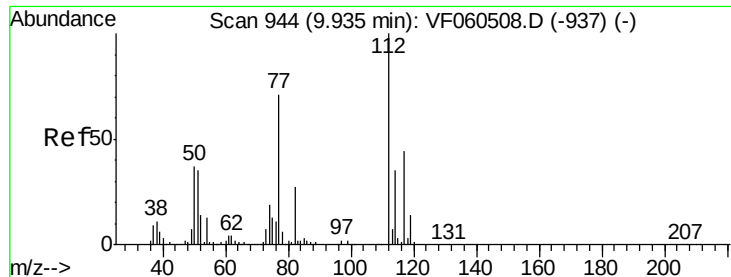
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 76.742 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:112 Resp: 339647

Ion Ratio Lower Upper

112 100

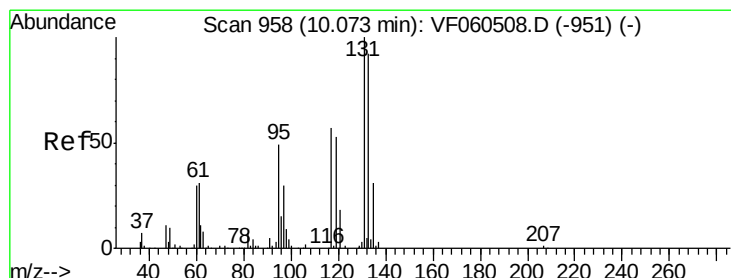
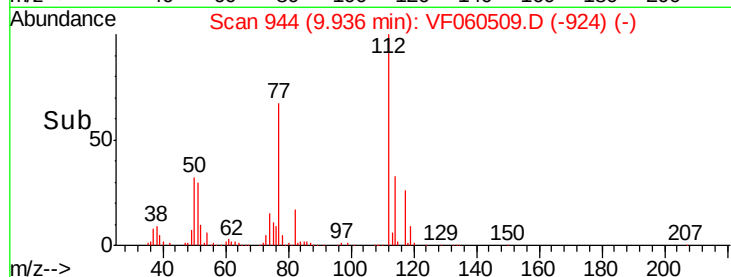
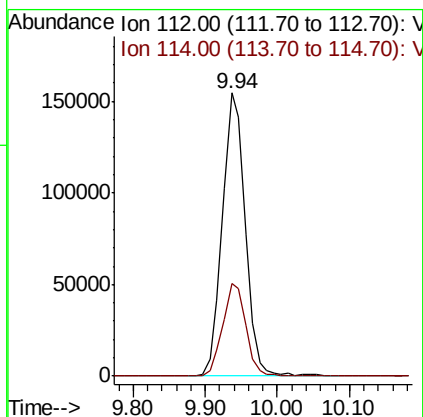
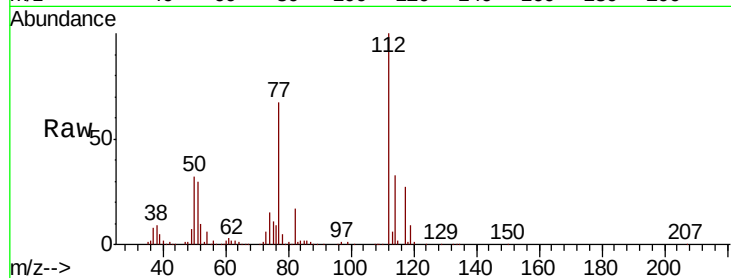
114 32.9 27.7 41.5

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#66

1,1,1,2-Tetrachloroethane

Concen: 88.086 ug/l

RT: 10.07 min Scan# 958

Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

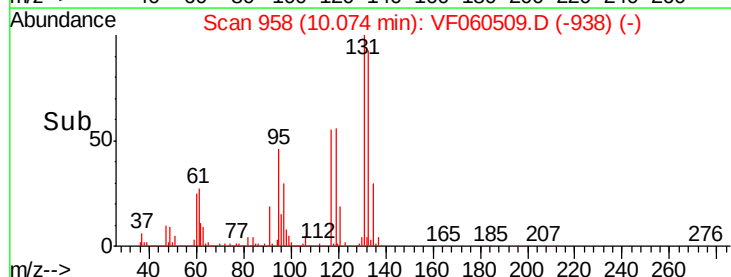
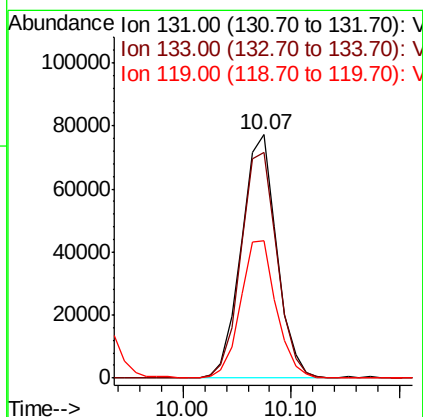
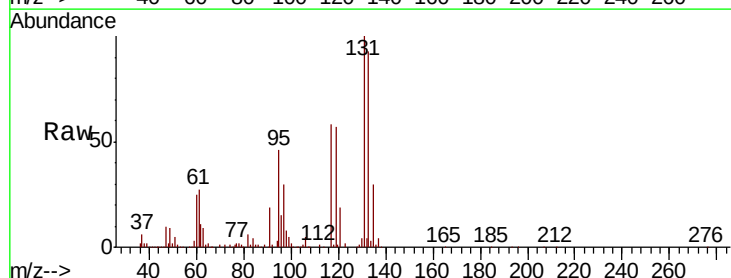
Tgt Ion:131 Resp: 175607

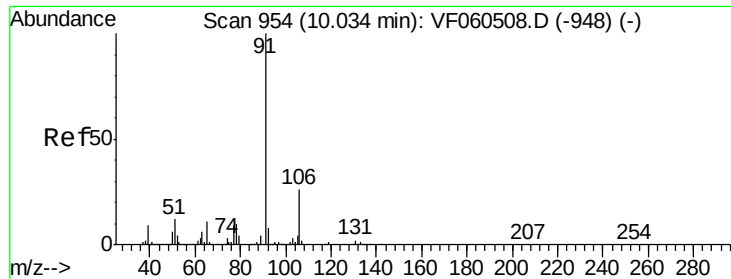
Ion Ratio Lower Upper

131 100

133 92.9 46.1 138.2

119 56.6 27.0 80.8





#67

Ethyl Benzene

Concen: 78.383 ug/l

RT: 10.03 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 654504

Ion Ratio Lower Upper

91 100

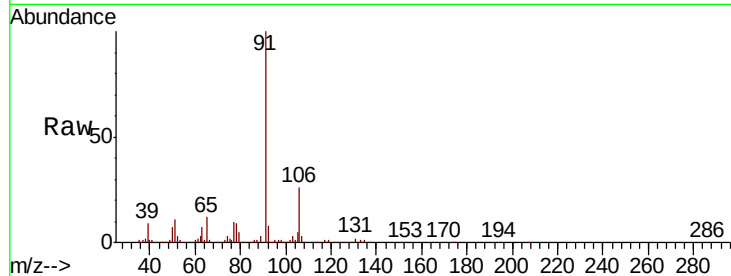
106 26.2 20.7 31.1

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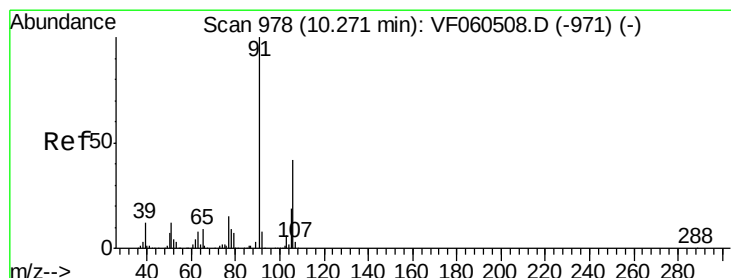
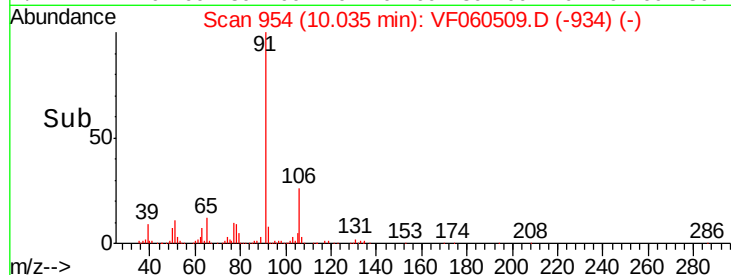
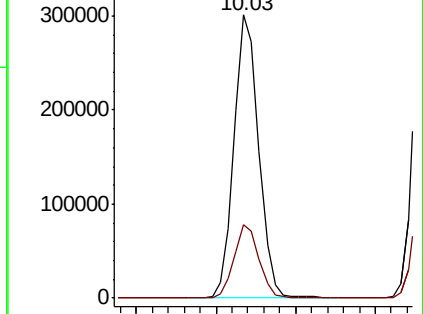
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 145.956 ug/l

RT: 10.27 min Scan# 978

Delta R.T. 0.00 min

Lab File: VF060509.D

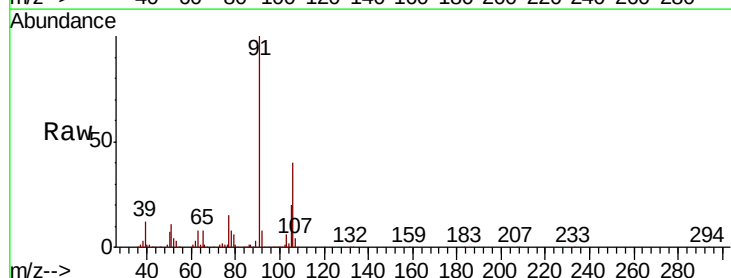
Acq: 25 Oct 2018 16:02

Tgt Ion: 106 Resp: 416039

Ion Ratio Lower Upper

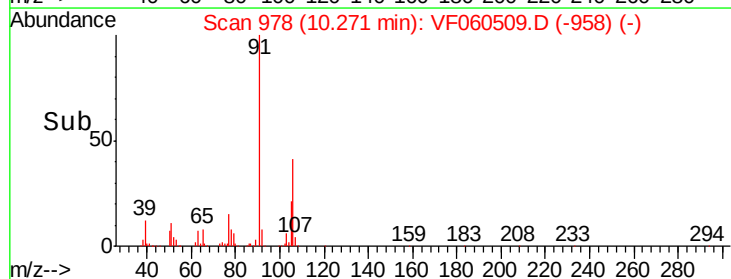
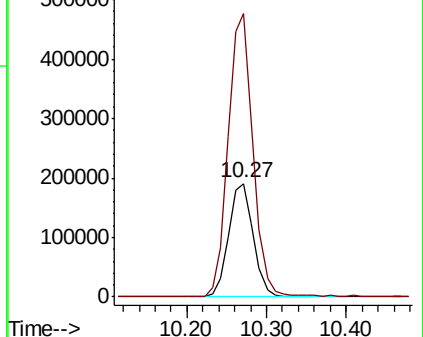
106 100

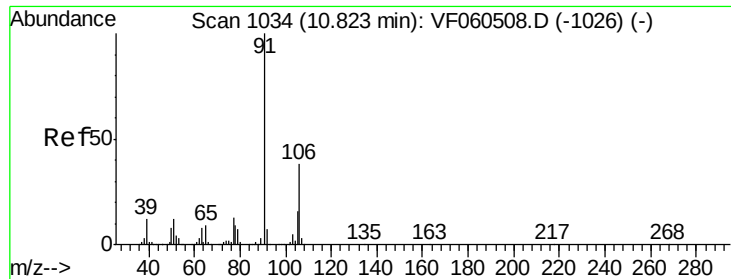
91 249.7 192.5 288.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





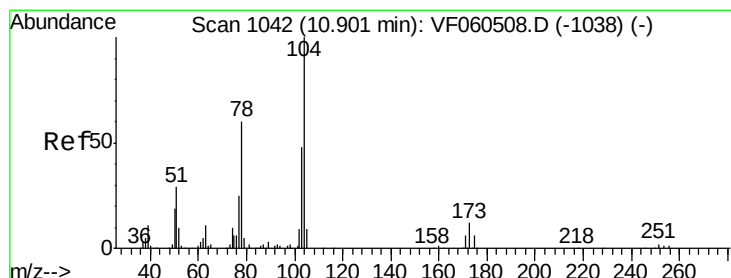
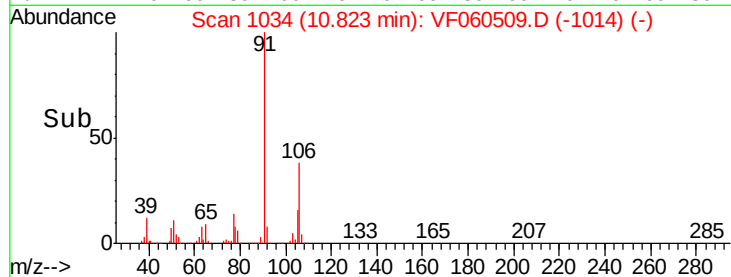
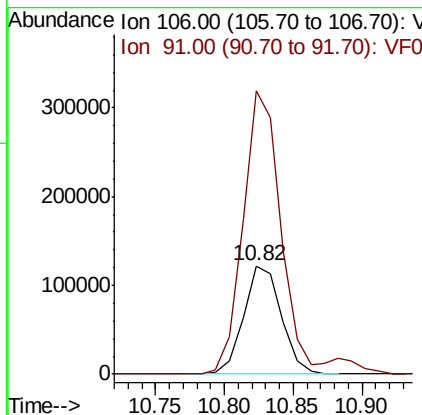
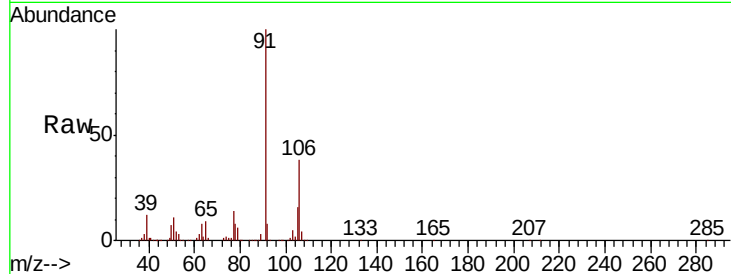
#69
o-Xylene
Concen: 74.826 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	260.9	130.9	392.7	

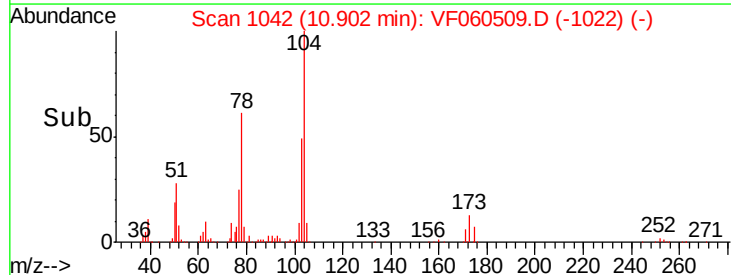
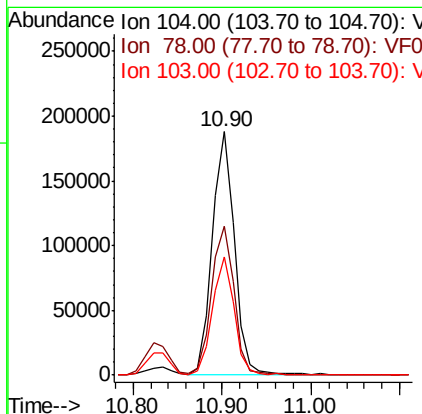
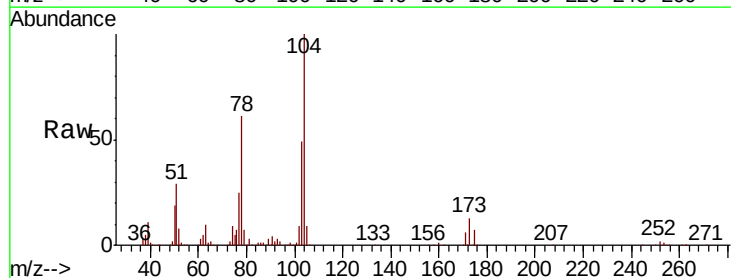
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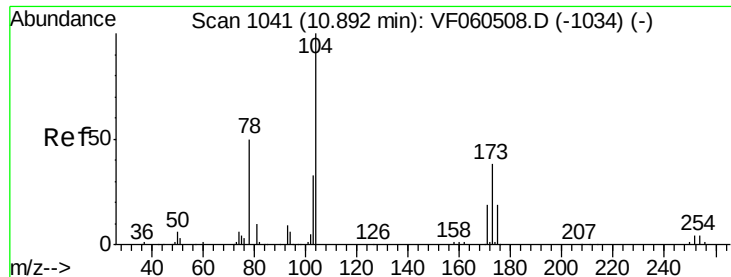
apatel
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#70
Styrene
Concen: 73.086 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	61.1	48.7	73.1	
103	48.7	38.8	58.2	





#71

Bromoform

Concen: 91.813 ug/l

RT: 10.89 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion:173 Resp: 92798

Ion Ratio Lower Upper

173 100

175 46.3 25.5 76.5

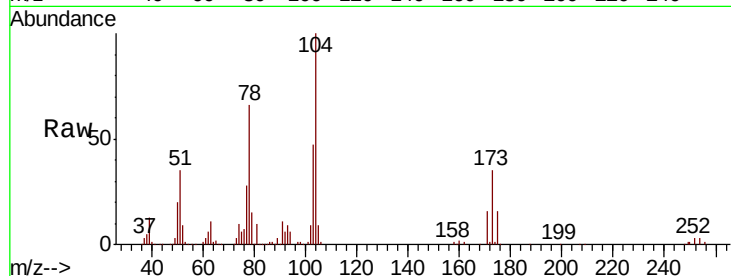
254 0.0 0.0 0.0

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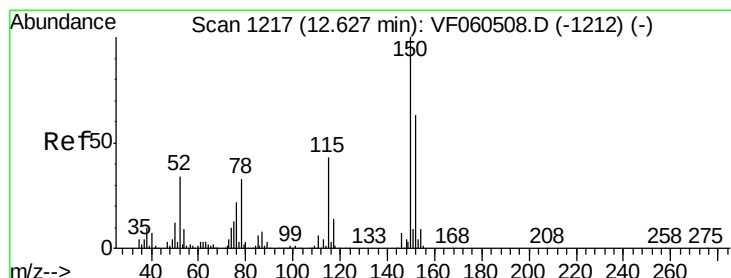
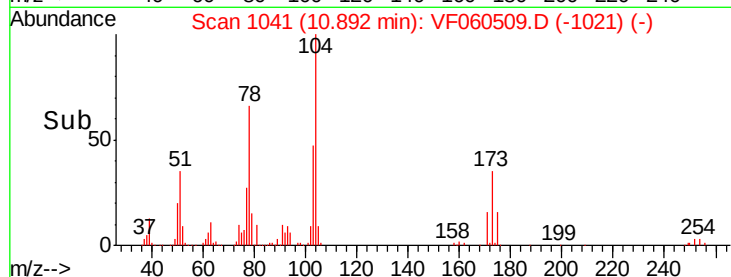
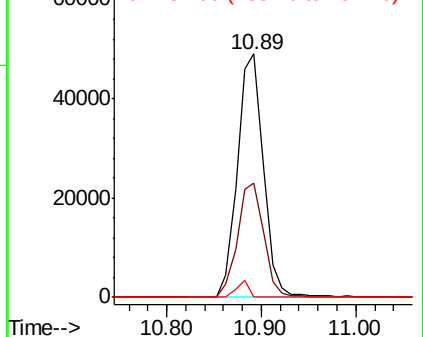


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

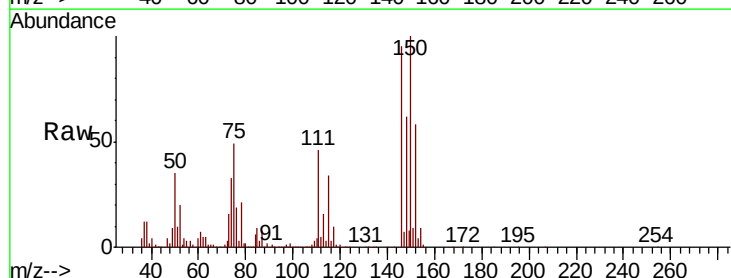
Tgt Ion:152 Resp: 154199

Ion Ratio Lower Upper

152 100

115 59.1 34.6 103.9

150 172.5 0.0 319.8

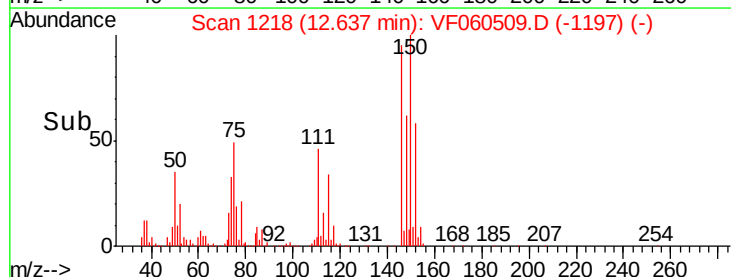
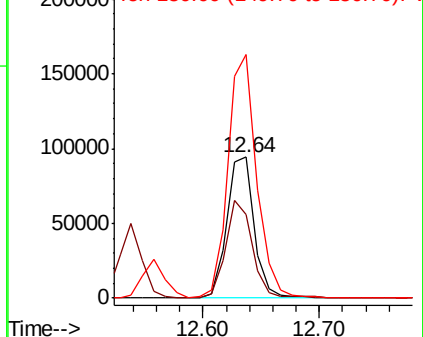


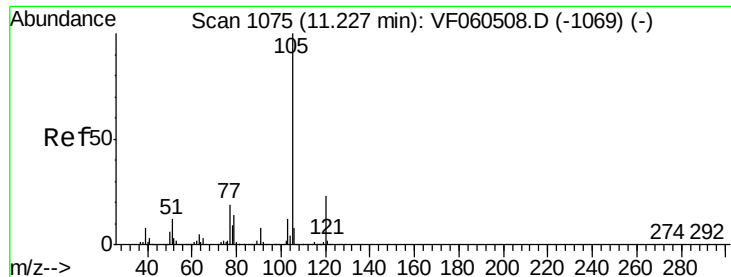
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 73.193 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 105 Resp: 838939

Ion Ratio Lower Upper

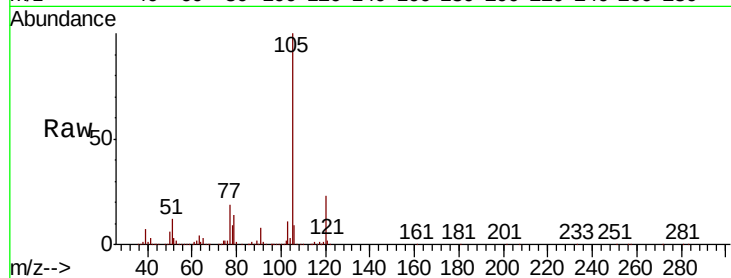
105 100

120 22.7 11.6 34.7

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

500000

400000

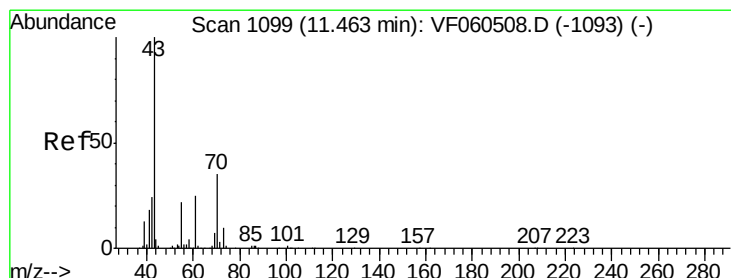
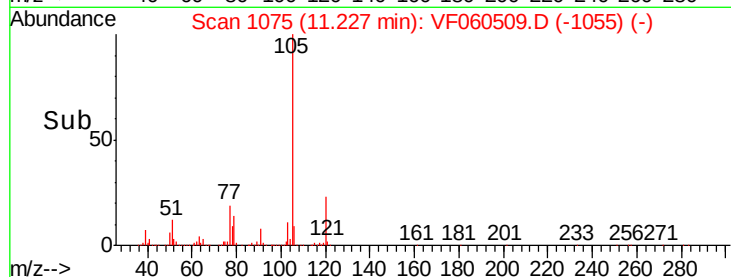
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 58.002 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Tgt Ion: 43 Resp: 144705

Ion Ratio Lower Upper

43 100

70 35.2 28.2 42.2

55 21.1 17.9 26.9

61 28.2 19.9 29.9

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

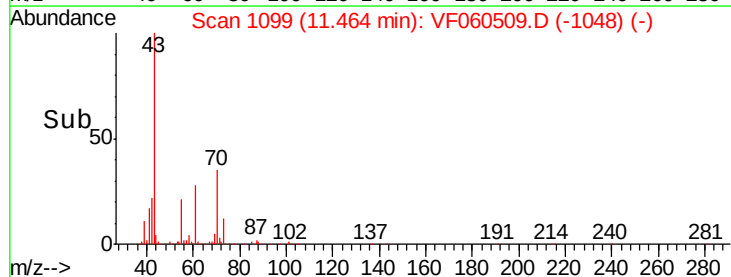
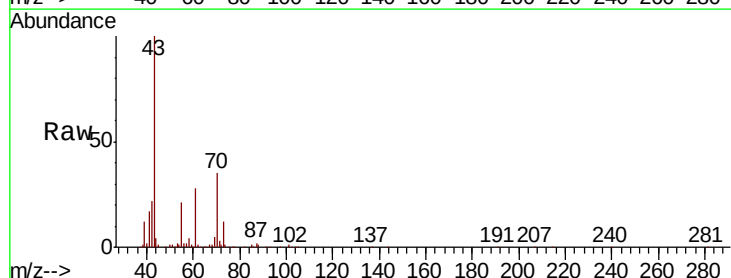
150000

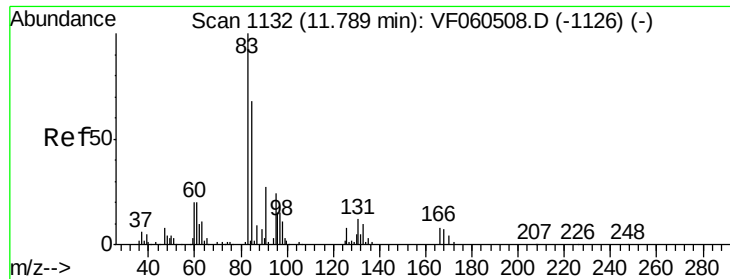
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 63.310 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

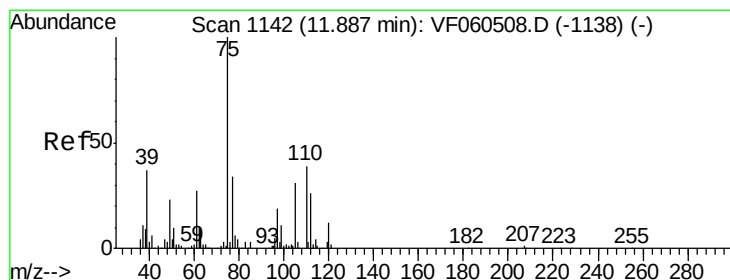
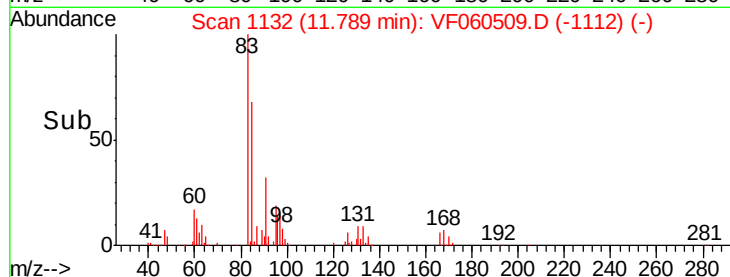
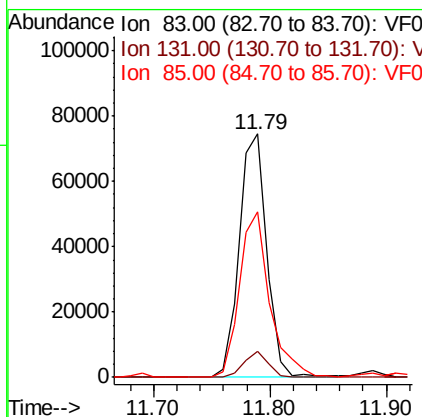
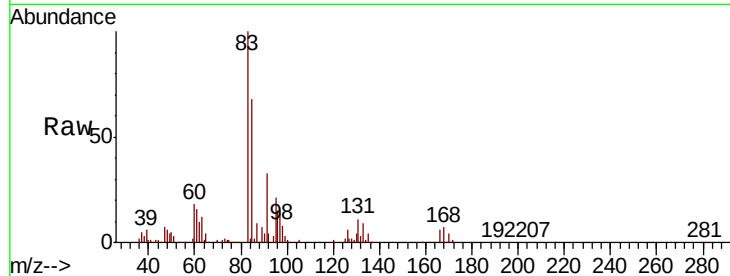
ClientSampleId :

VSTDIC075

Tot Ion	83	Resp	121969
Ion Ratio	100	Lower	Upper
83	100		
131	10.7	5.8	17.4
85	67.8	34.2	102.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 65.468 ug/l

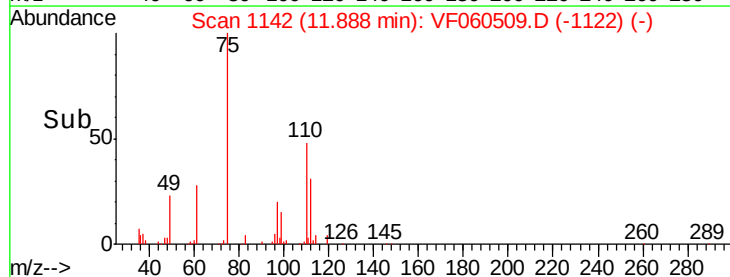
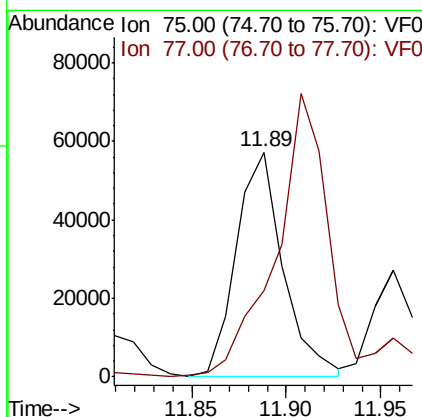
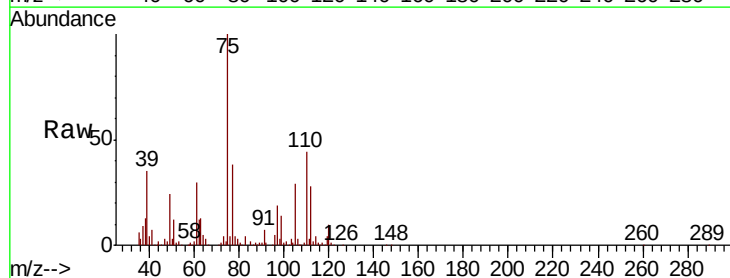
RT: 11.89 min Scan# 1142

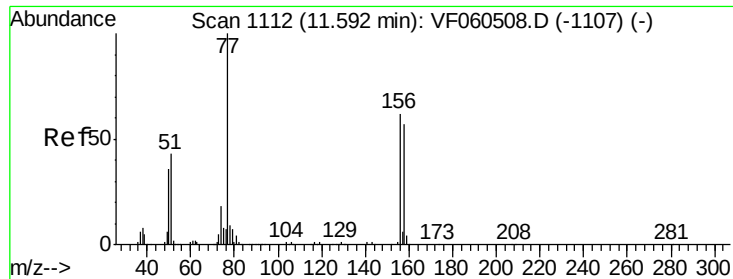
Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Tgt Ion	75	Resp	97503
Ion Ratio	100	Lower	Upper
75	100		
77	38.4	17.2	51.5





#77

Bromobenzene

Concen: 68.886 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

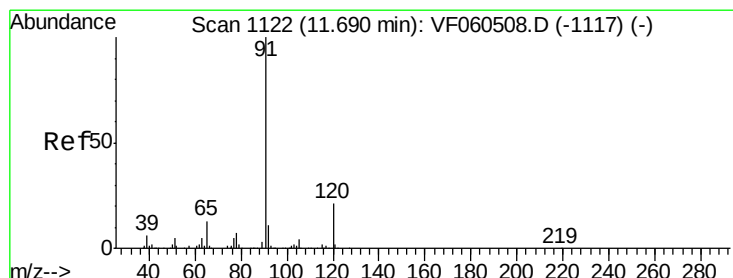
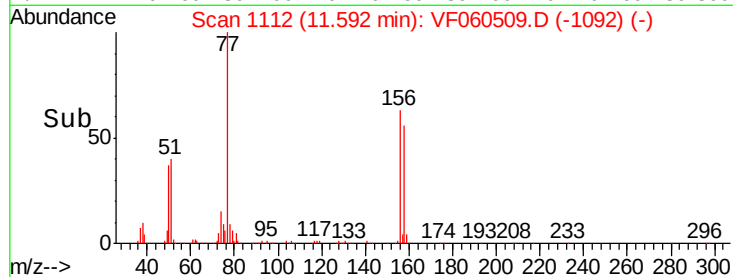
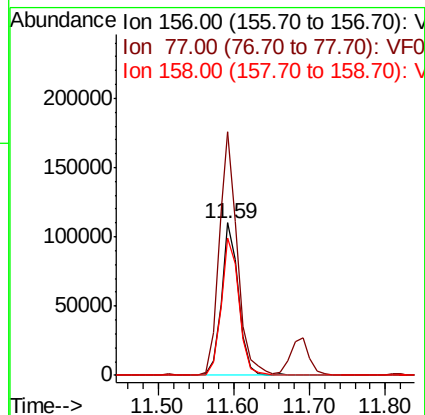
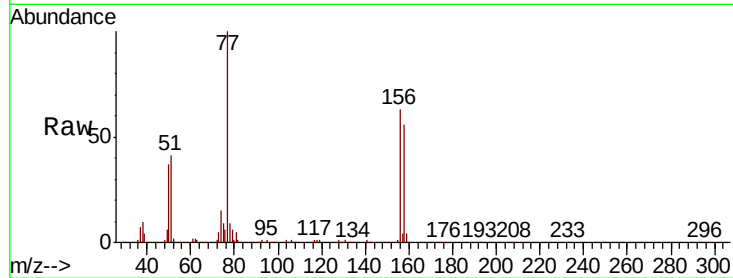
ClientSampleId :

VSTDIC075

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	159.7	80.1	240.3		
158	89.7	45.9	137.6		

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#78

n-propylbenzene

Concen: 67.527 ug/l

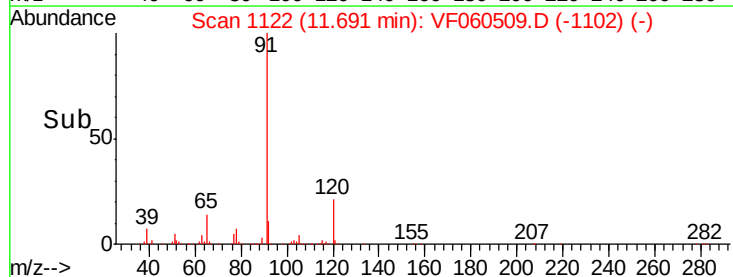
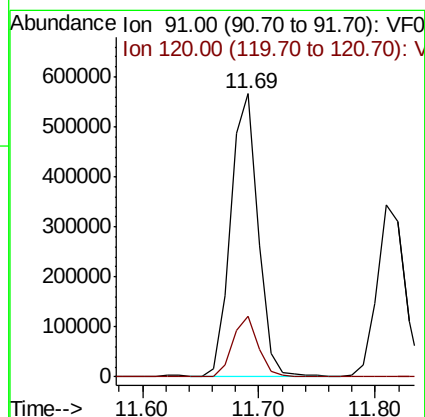
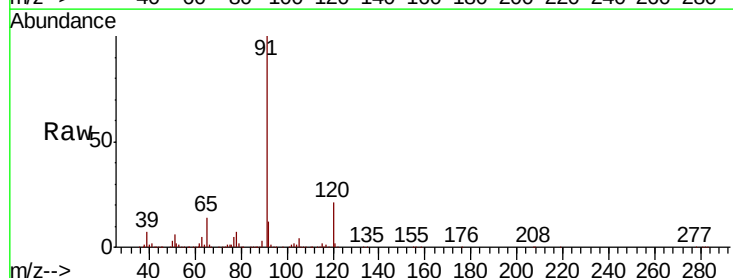
RT: 11.69 min Scan# 1122

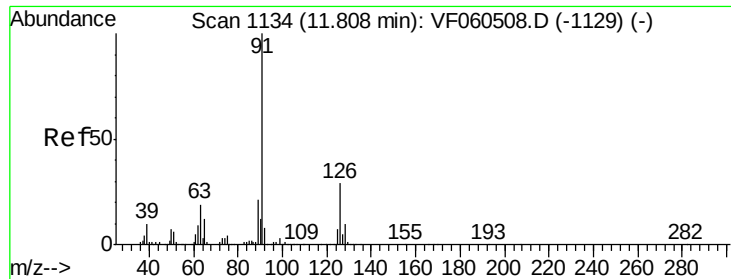
Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.2	10.3	30.9		





#79

2-Chlorotoluene

Concen: 70.388 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 91 Resp: 562531

Ion Ratio Lower Upper

91 100

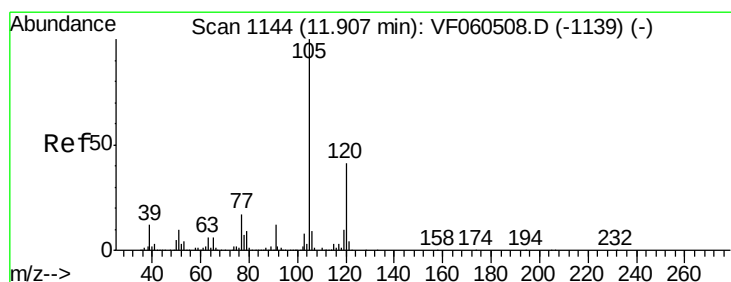
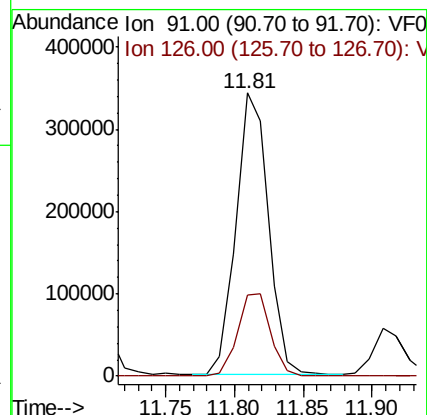
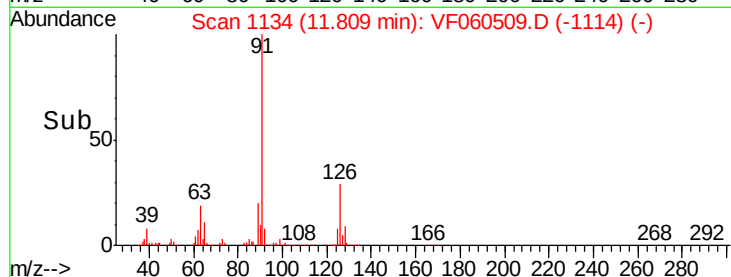
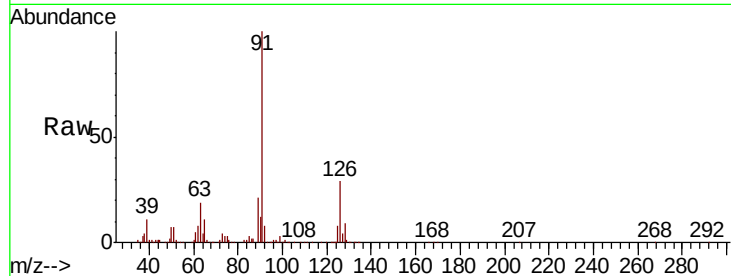
126 28.8 14.4 43.2

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#80

1,3,5-Trimethylbenzene

Concen: 73.946 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060509.D

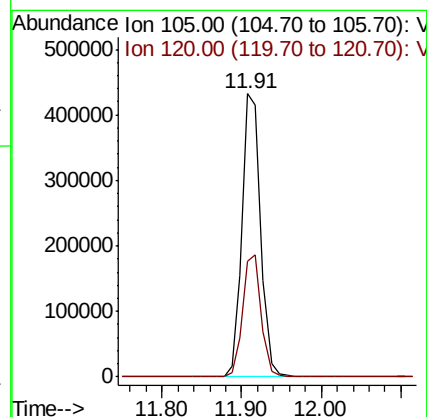
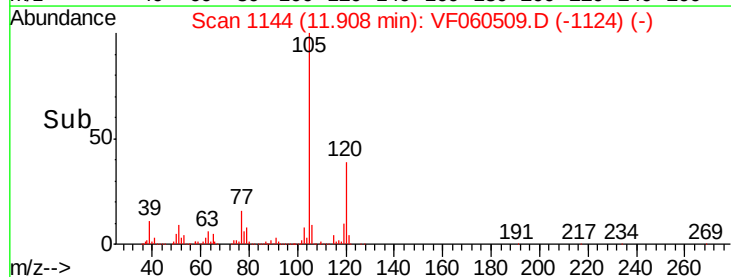
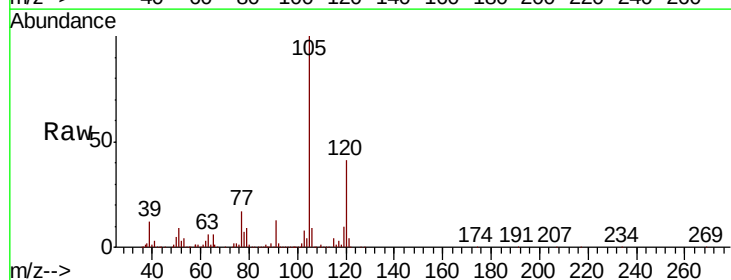
Acq: 25 Oct 2018 16:02

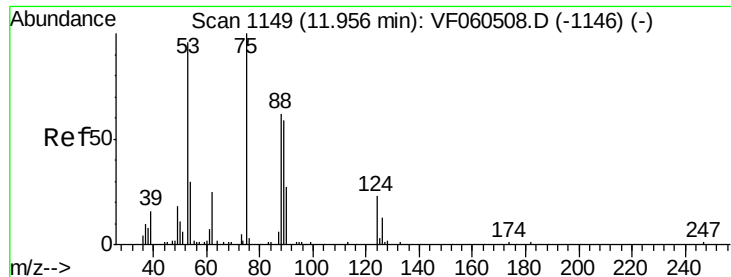
Tgt Ion: 105 Resp: 711048

Ion Ratio Lower Upper

105 100

120 41.1 20.6 61.9





#81

trans-1,4-Dichloro-2-butene

Concen: 69.555 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Instrument :

MSVOA_F

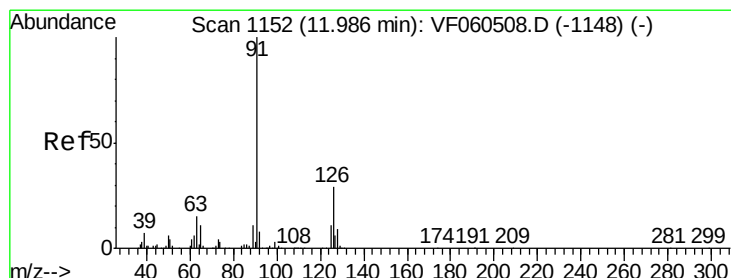
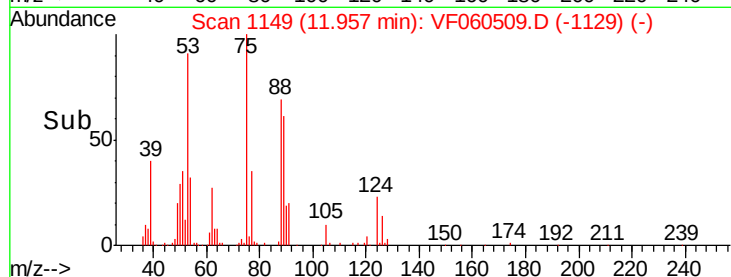
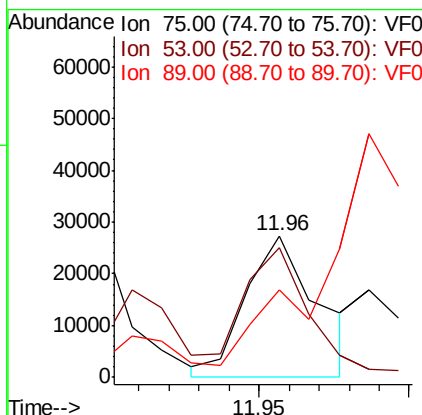
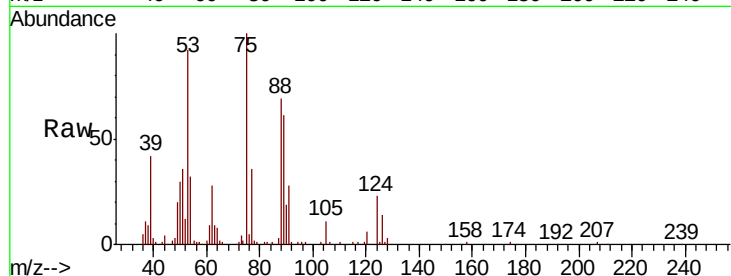
ClientSampleId :

VSTDIC075

Tot Ion:	75	Resp:	45165
Ion	Ratio	Lower	Upper
75	100		
53	91.8	85.0	127.6
89	61.4	50.2	75.4

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#82

4-Chlorotoluene

Concen: 72.205 ug/l

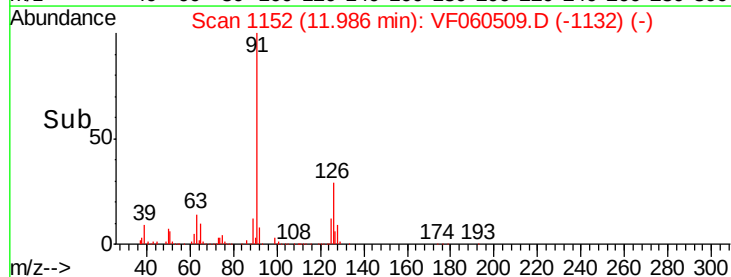
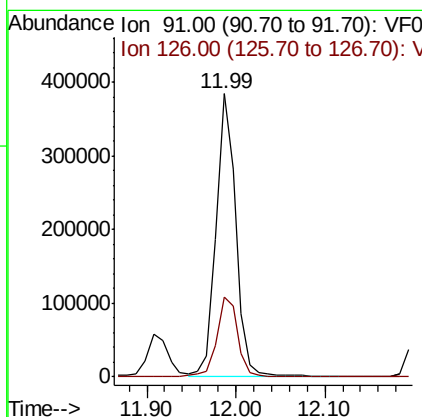
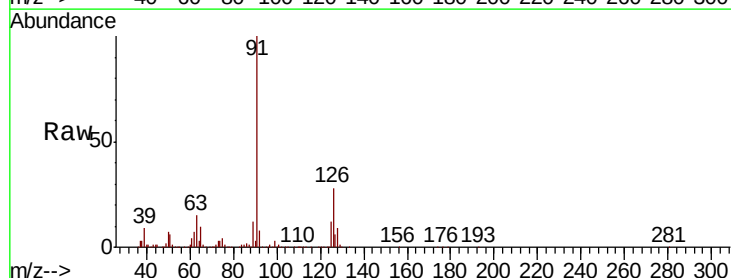
RT: 11.99 min Scan# 1152

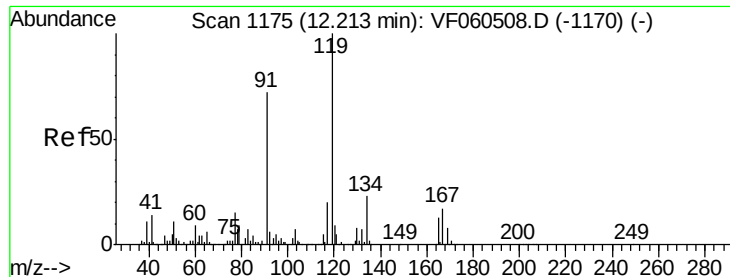
Delta R.T. 0.00 min

Lab File: VF060509.D

Acq: 25 Oct 2018 16:02

Tgt Ion:	91	Resp:	595354
Ion	Ratio	Lower	Upper
91	100		
126	28.0	14.8	44.4





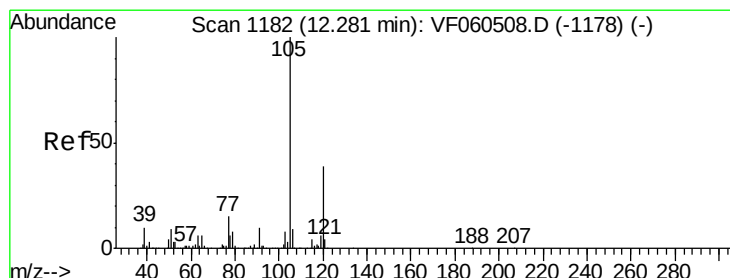
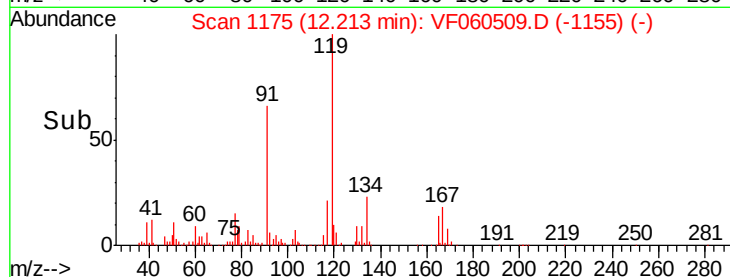
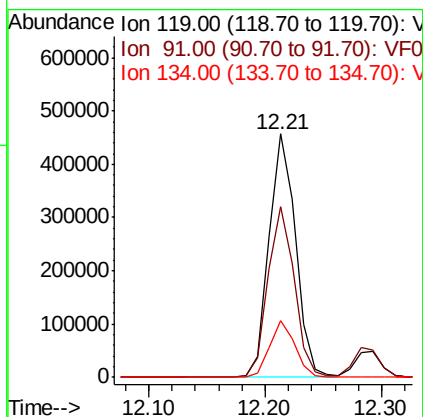
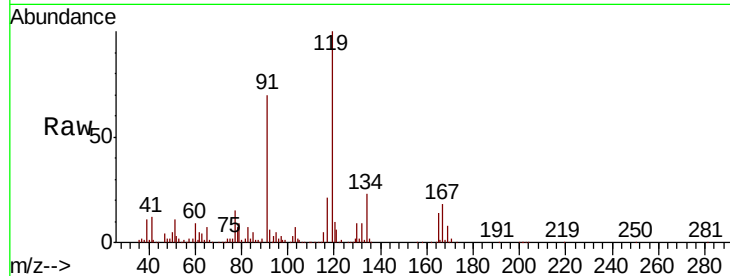
#83
 tert-Butylbenzene
 Concen: 75.071 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF060509.D
 Acq: 25 Oct 2018 16:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.0	36.3	108.9
134	23.4	11.4	34.2

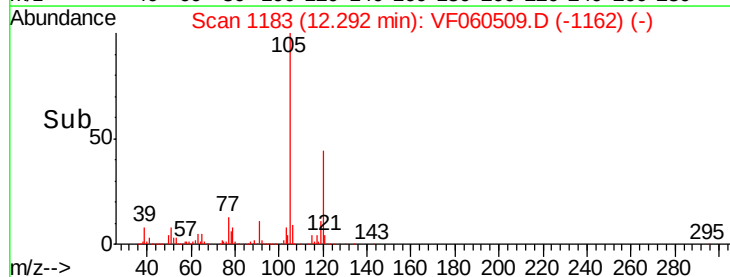
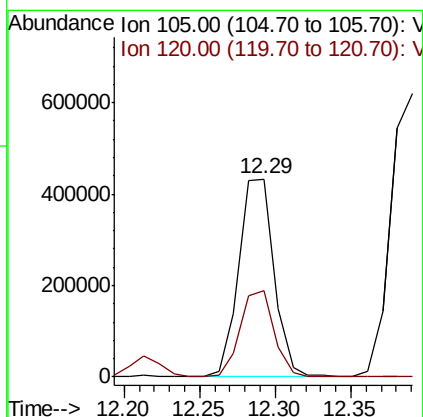
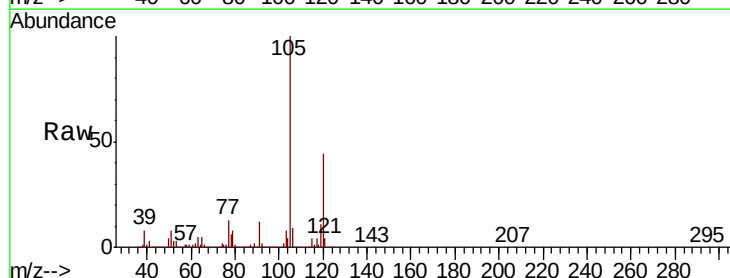
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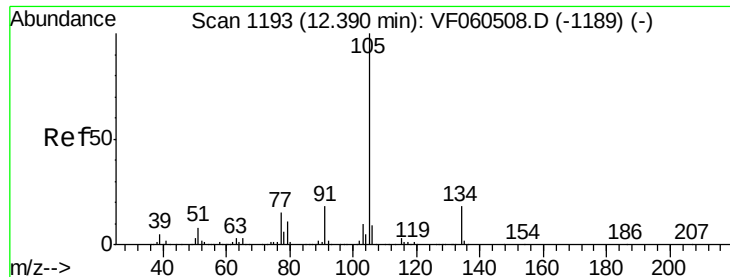
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#84
 1,2,4-Trimethylbenzene
 Concen: 72.353 ug/l
 RT: 12.29 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VF060509.D
 Acq: 25 Oct 2018 16:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	19.4	58.1





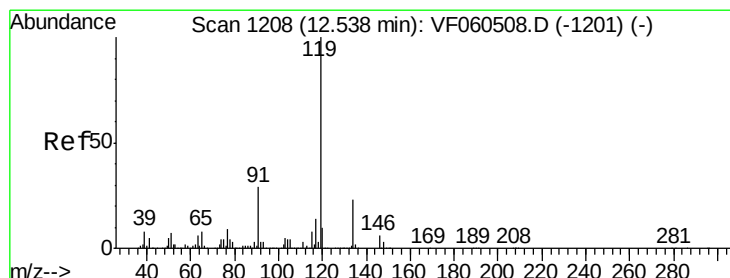
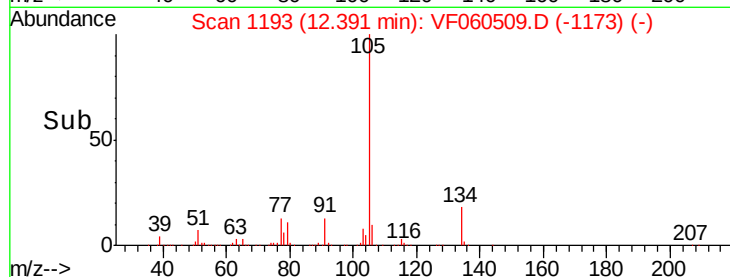
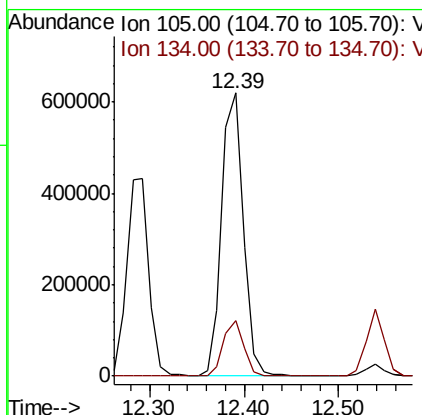
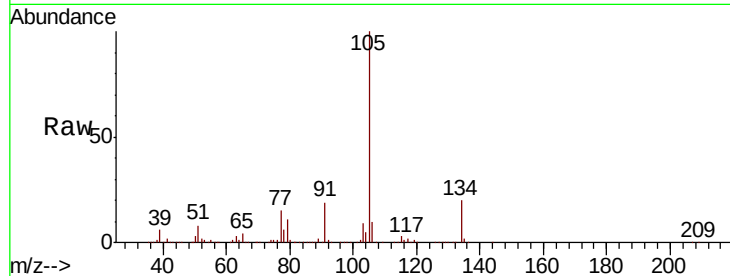
#85
 sec-Butylbenzene
 Concen: 75.019 ug/l
 RT: 12.39 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF060509.D
 Acq: 25 Oct 2018 16:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.2	27.4

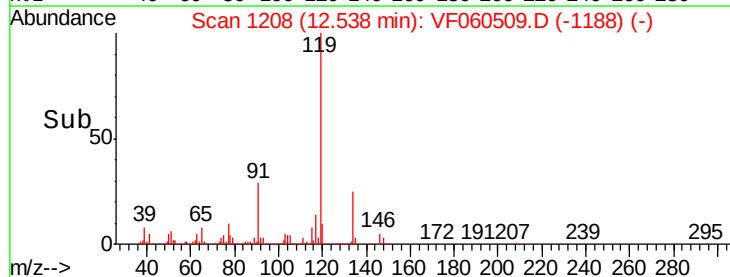
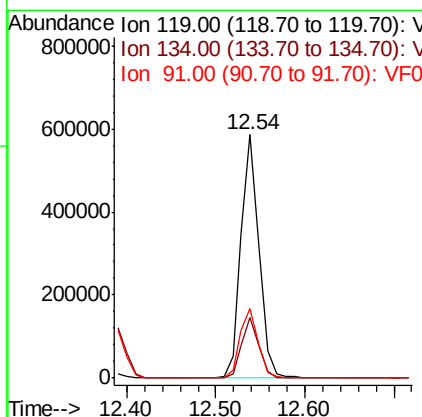
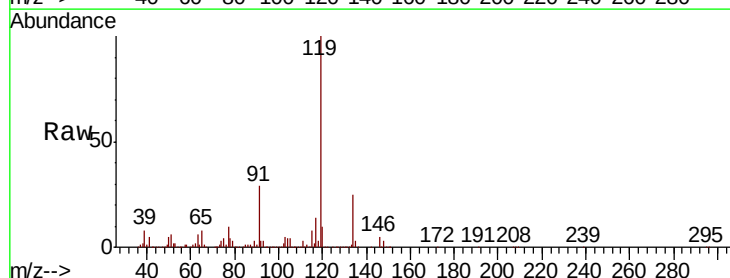
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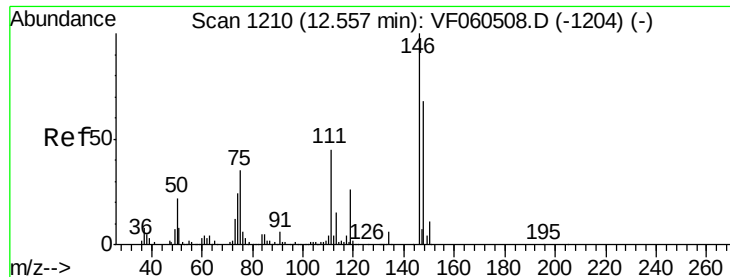
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#86
 p-Isopropyltoluene
 Concen: 76.646 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VF060509.D
 Acq: 25 Oct 2018 16:02

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.8	11.7	35.0
91	28.7	14.4	43.4





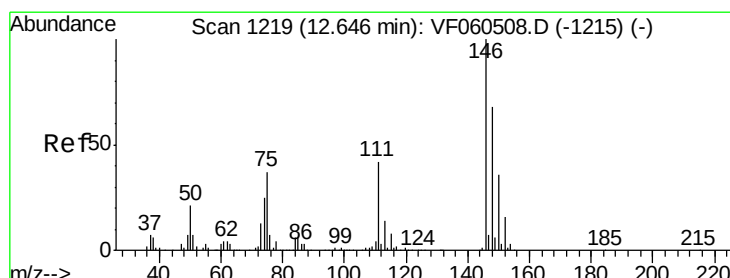
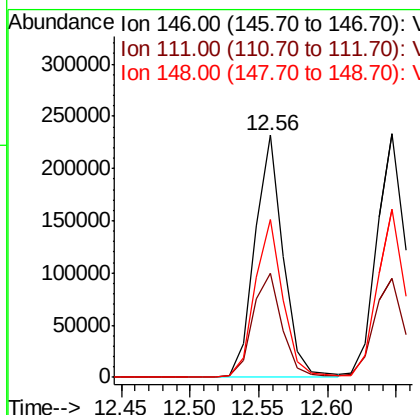
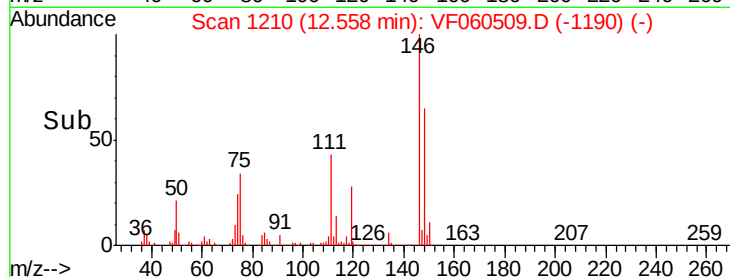
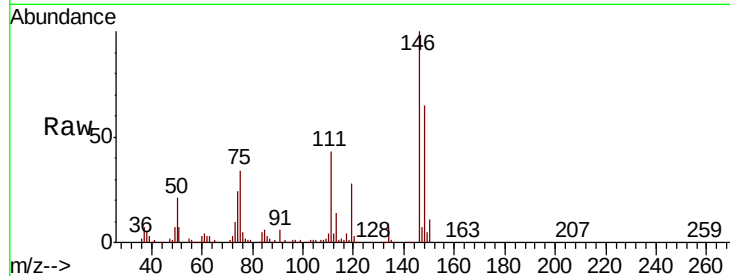
#87
 1,3-Dichlorobenzene
 Concen: 68.740 ug/l
 RT: 12.56 min Scan# 1210
 Delta R.T. 0.00 min
 Lab File: VF060509.D
 Acq: 25 Oct 2018 16:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	22.3	66.8
148	65.4	34.1	102.3

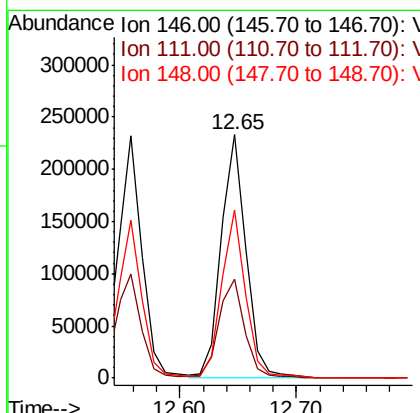
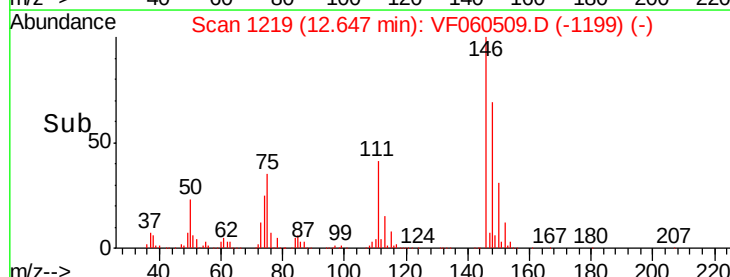
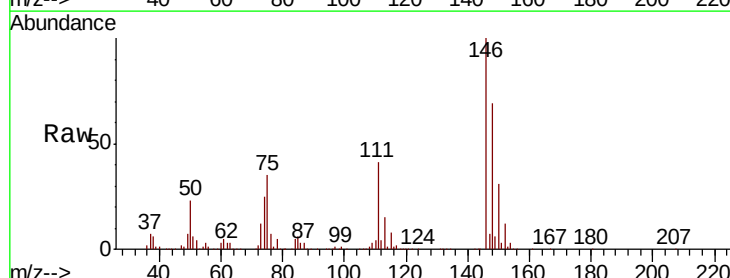
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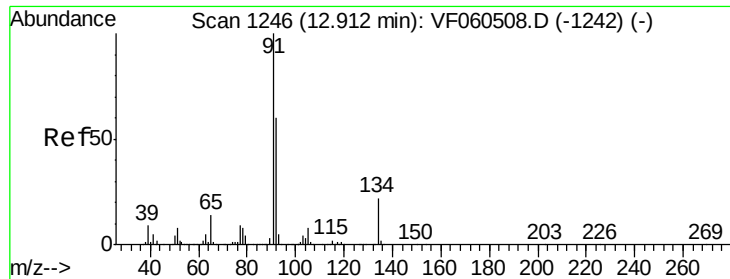
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#88
 1,4-Dichlorobenzene
 Concen: 73.370 ug/l
 RT: 12.65 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VF060509.D
 Acq: 25 Oct 2018 16:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.1	63.3
148	69.2	33.9	101.7





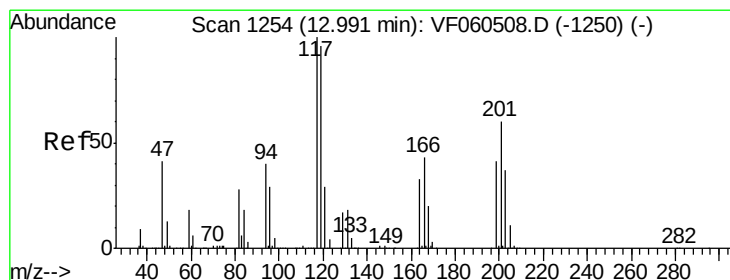
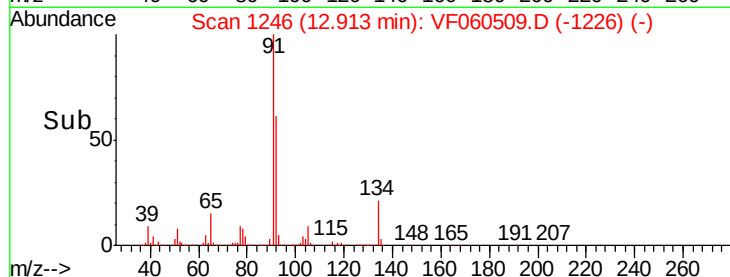
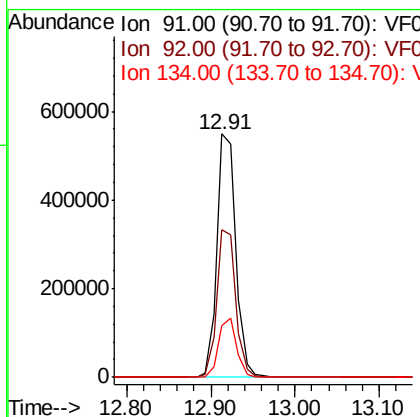
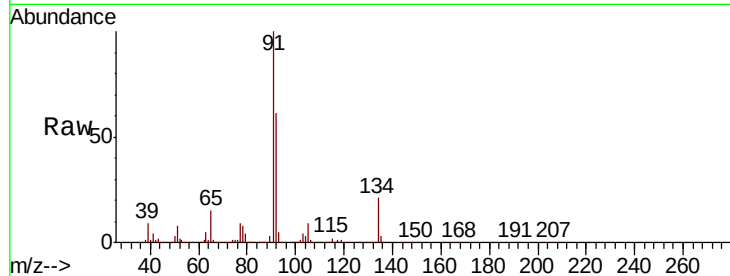
#89
n-Butylbenzene
Concen: 76.067 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.5	29.8	89.3
134	21.2	10.9	32.7

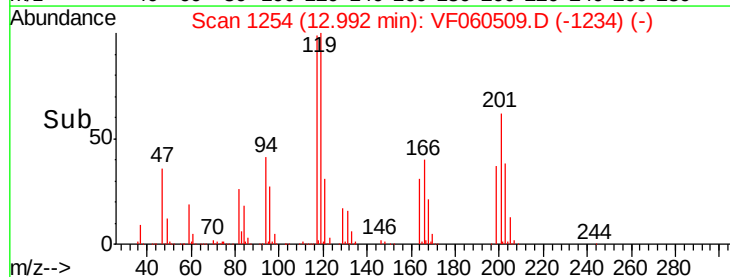
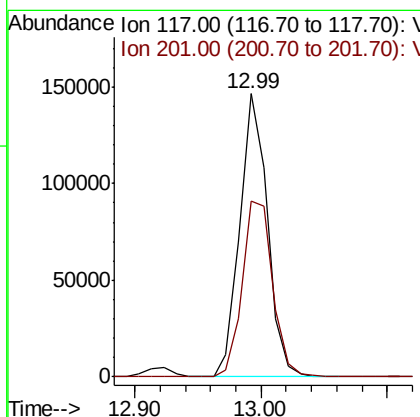
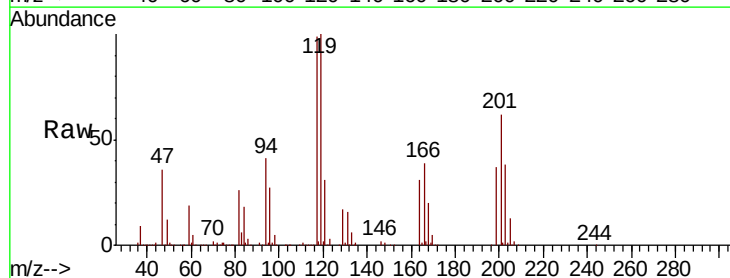
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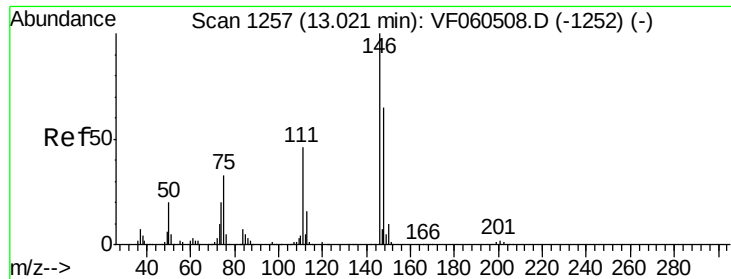
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#90
Hexachloroethane
Concen: 85.987 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.9	30.1	90.5





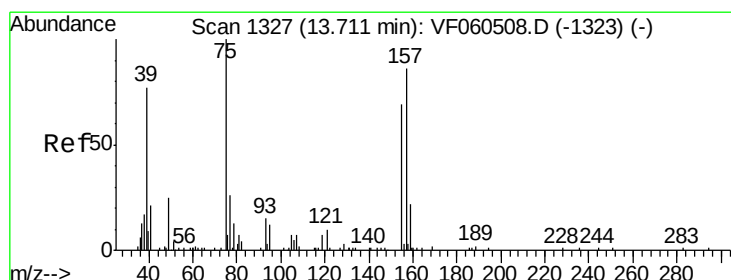
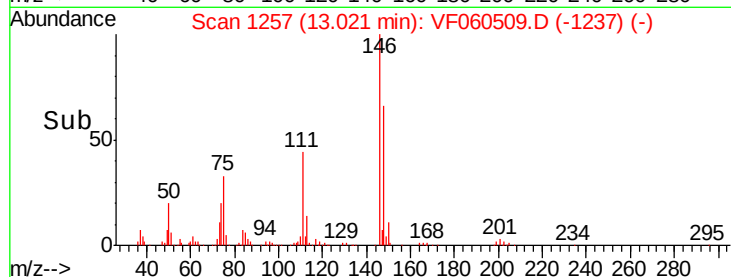
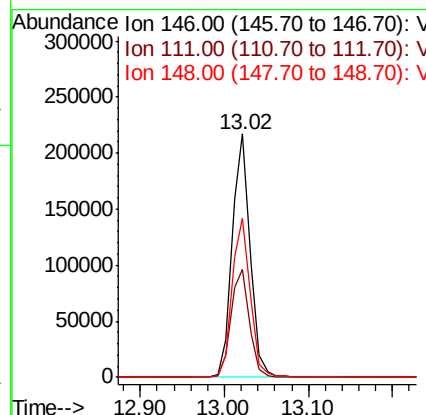
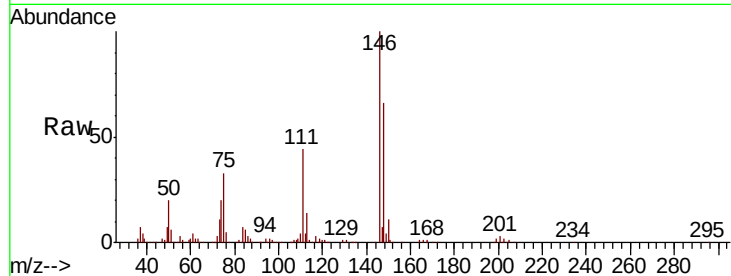
#91
 1,2-Dichlorobenzene
 Concen: 68.413 ug/l
 RT: 13.02 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VF060509.D
 Acq: 25 Oct 2018 16:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
146	100	319531		
111	44.2	22.8	68.4	
148	65.6	32.3	96.9	

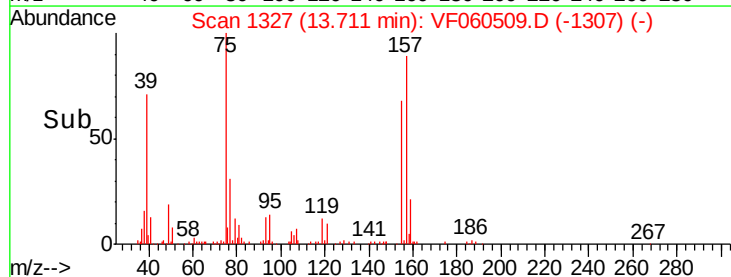
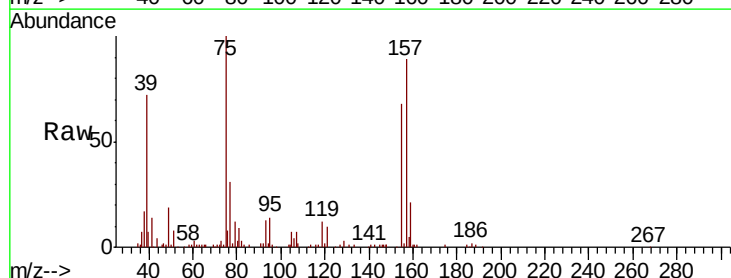
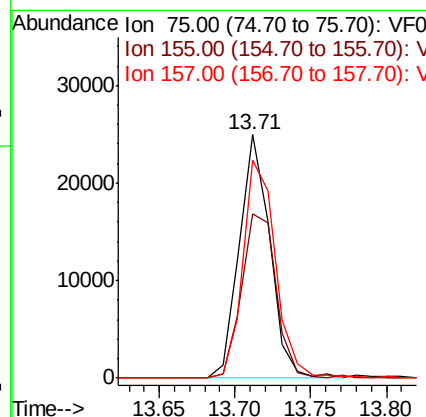
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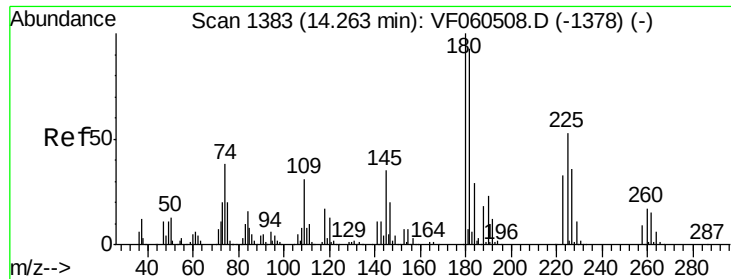
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 85.520 ug/l
 RT: 13.71 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VF060509.D
 Acq: 25 Oct 2018 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	34970		
155	67.7	34.7	104.1	
157	89.3	42.9	128.5	





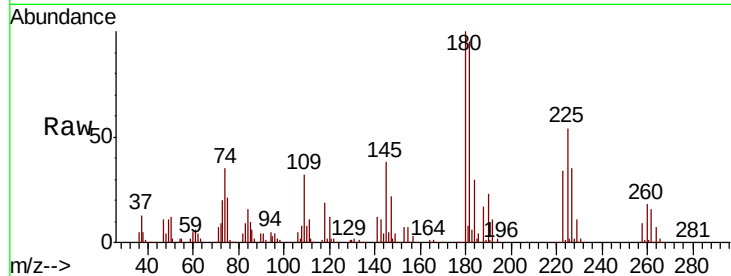
#93
 1,2,4-Trichlorobenzene
 Concen: 73.978 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060509.D
 Acq: 25 Oct 2018 16:02

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
180	100	266831		
182	95.3	46.7	140.0	
145	38.3	17.3	52.0	

Manual Integrations
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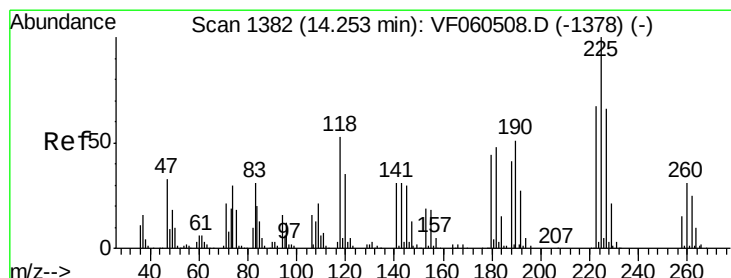
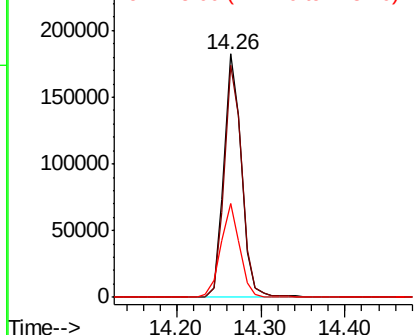
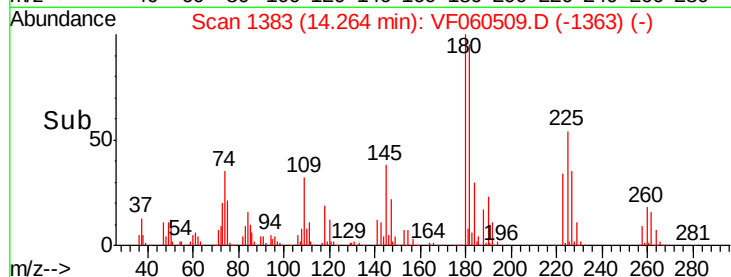


Abundance

Ion 180.00 (179.70 to 180.70): V

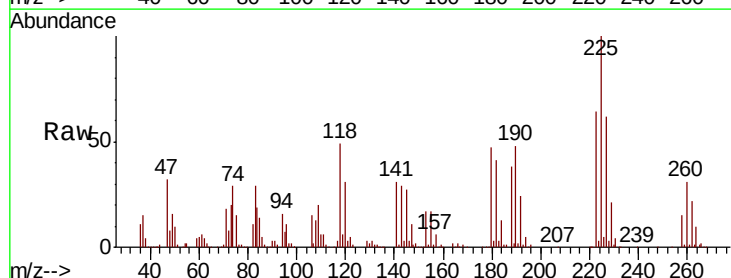
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 84.647 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060509.D
 Acq: 25 Oct 2018 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	207571		
223	63.7	33.4	100.2	
227	62.3	32.9	98.6	

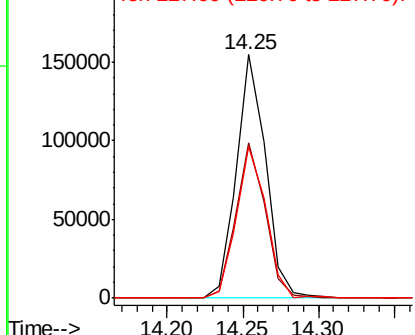
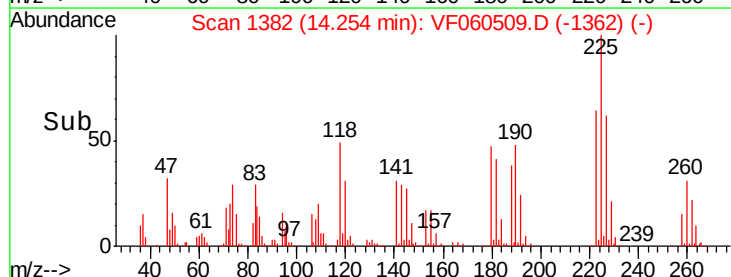


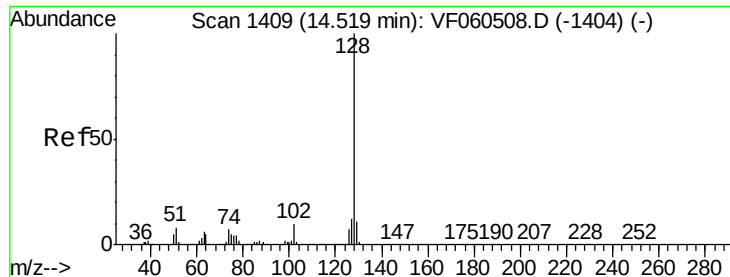
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





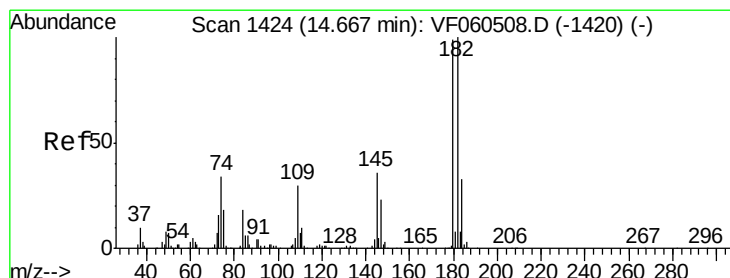
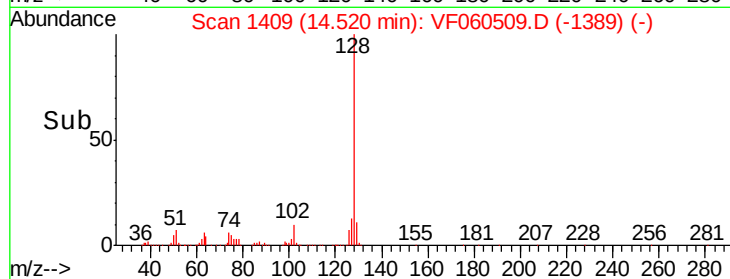
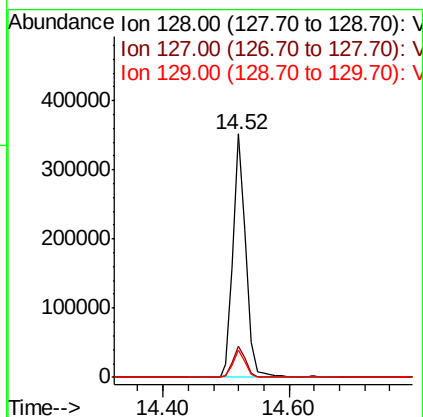
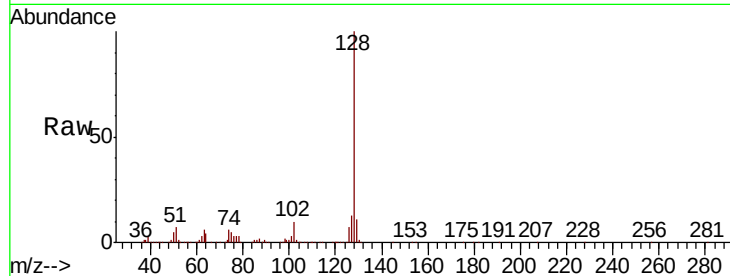
#95
Naphthalene
Concen: 78.517 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion	Ratio	Resp	Lower	Upper
128	100	486832		
127	12.8	10.0	15.0	
129	11.0	8.9	13.3	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 78.962 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. 0.00 min
Lab File: VF060509.D
Acq: 25 Oct 2018 16:02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	265342		
182	96.1	50.7	152.1	
145	32.4	18.1	54.4	

