

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102518\
 Data File : VF060507.D
 Acq On : 25 Oct 2018 15:05
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
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apatel
 10/26/2018 10:27:42 AM

Quant Time: Oct 26 00:44:59 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	173284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	255028	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	228227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	149915	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	64369	24.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.98%	
35) Dibromofluoromethane	4.29	113	61534	26.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	52.42%	
50) Toluene-d8	7.70	98	120325	21.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.66%	
62) 4-Bromofluorobenzene	11.51	95	67310	27.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	109614	32.192	ug/l	86
3) Chloromethane	1.14	50	46809	22.220	ug/l	99
4) Vinyl Chloride	1.19	62	52896	23.149	ug/l	97
5) Bromomethane	1.35	94	52589	29.265	ug/l	95
6) Chloroethane	1.42	64	33677	27.881	ug/l #	85
7) Trichlorofluoromethane	1.54	101	163323	31.889	ug/l	99
8) Diethyl Ether	1.70	74	13855	18.906	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.89	101	72341	28.236	ug/l	92
10) Methyl Iodide	1.97	142	94743	23.324	ug/l	94
11) Tert butyl alcohol	2.69	59	16325	118.555	ug/l #	84
12) 1,1-Dichloroethene	1.86	96	49599	23.176	ug/l #	68
13) Acrolein	2.08	56	16115	188.868	ug/l	95
14) Allyl chloride	2.18	41	81005	25.679	ug/l	89
15) Acrylonitrile	3.08	53	26473	91.320	ug/l	86
16) Acetone	2.33	43	90714	157.532	ug/l	95
17) Carbon Disulfide	1.88	76	140154	23.550	ug/l #	94
18) Methyl Acetate	2.45	43	22967	21.044	ug/l	93
19) Methyl tert-butyl Ether	2.54	73	124275	25.797	ug/l	98
20) Methylene Chloride	2.27	84	47834	23.929	ug/l	93
21) trans-1,2-Dichloroethene	2.41	96	49344	24.704	ug/l	97
22) Diisopropyl ether	2.92	45	138726	21.394	ug/l	98
23) Vinyl Acetate	3.33	43	242400	106.786	ug/l	100
24) 1,1-Dichloroethane	3.00	63	112263	25.798	ug/l	99
25) 2-Butanone	4.50	43	67250	107.284	ug/l	95
26) 2,2-Dichloropropane	3.76	77	72068	31.763	ug/l	90
27) cis-1,2-Dichloroethene	3.62	96	47823	20.511	ug/l	90
28) Bromochloromethane	3.89	49	30903	20.446	ug/l #	79
29) Tetrahydrofuran	4.25	42	21068	79.730	ug/l	99
30) Chloroform	4.04	83	129114	25.639	ug/l	90
31) Cyclohexane	3.86	56	55244	19.844	ug/l	99
32) 1,1,1-Trichloroethane	4.28	97	119521	30.127	ug/l	92
36) 1,1-Dichloropropene	4.45	75	77944	26.275	ug/l	96
37) Ethyl Acetate	4.29	43	26279	25.080	ug/l	77
38) Carbon Tetrachloride	4.17	117	124264m	41.702	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	61579	22.047	ug/l	85
40) Benzene	4.81	78	124988	20.521	ug/l	92
41) Methacrylonitrile	4.92	41	13270	22.290	ug/l #	79
42) 1,2-Dichloroethane	5.11	62	84456	30.566	ug/l	97
43) Isopropyl Acetate	7.11	43	27223	20.845	ug/l	98
44) Trichloroethene	5.67	130	44676	23.546	ug/l	95
45) 1,2-Dichloropropane	6.40	63	34052	22.839	ug/l	92
46) Dibromomethane	6.24	93	28956	24.211	ug/l	98
47) Bromodichloromethane	6.55	83	86734	28.715	ug/l #	93
48) Methyl methacrylate	6.87	41	20164	22.793	ug/l	85
49) 1,4-Dioxane	6.86	88	3745	492.423	ug/l #	59
51) 4-Methyl-2-Pentanone	8.40	43	101842	111.791	ug/l	99
52) Toluene	7.78	92	87231	22.741	ug/l	85
53) t-1,3-Dichloropropene	8.42	75	64480	27.487	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	65185	23.858	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	27341	23.192	ug/l	97
56) Ethyl methacrylate	8.76	69	26981	19.781	ug/l	94
57) 1,3-Dichloropropane	9.00	76	47596	23.447	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.77	63	19253	138.904	ug/l	100
59) 2-Hexanone	9.62	43	77467	117.559	ug/l	96
60) Dibromochloromethane	8.87	129	50798	27.451	ug/l	90
61) 1,2-Dibromoethane	9.13	107	29890	22.440	ug/l	97
64) Tetrachloroethene	8.30	164	41950	23.191	ug/l	88
65) Chlorobenzene	9.94	112	98440	22.210	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	50676	25.382	ug/l	93
67) Ethyl Benzene	10.04	91	209370	25.037	ug/l	94
68) m/p-Xylenes	10.27	106	131375	46.022	ug/l	86
69) o-Xylene	10.83	106	73933	23.816	ug/l	98
70) Styrene	10.91	104	103502	23.162	ug/l	99
71) Bromoform	10.89	173	27353	27.023	ug/l	97
73) Isopropylbenzene	11.22	105	266854	23.947	ug/l	95
74) N-amyl acetate	11.47	43	43925	18.109	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	34601	18.473	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	31295	21.613	ug/l	95
77) Bromobenzene	11.60	156	54894	22.167	ug/l	96
78) n-propylbenzene	11.68	91	308374	23.235	ug/l	97
79) 2-Chlorotoluene	11.81	91	185051	23.817	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	221028	23.643	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	10436	16.531	ug/l #	88
82) 4-Chlorotoluene	11.99	91	194272	24.235	ug/l	98
83) tert-Butylbenzene	12.22	119	228238	24.286	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	228309	24.054	ug/l	99
85) sec-Butylbenzene	12.38	105	314247	24.655	ug/l	98
86) p-Isopropyltoluene	12.54	119	261796	25.020	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	109319	23.175	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	98207	21.468	ug/l	92
89) n-Butylbenzene	12.92	91	283156	25.861	ug/l	97
90) Hexachloroethane	13.00	117	66495	26.576	ug/l	87
91) 1,2-Dichlorobenzene	13.02	146	102512	22.576	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.72	75	8916	22.427	ug/l	95

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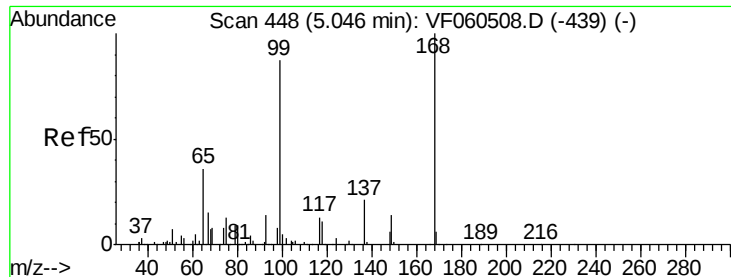
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	81258	23.172	ug/l	97
94) Hexachlorobutadiene	14.26	225	61568	25.825	ug/l	100
95) Naphthalene	14.52	128	120960	20.066	ug/l	96
96) 1,2,3-Trichlorobenzene	14.66	180	68538	20.979	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 173284

Ion Ratio Lower Upper

168 100

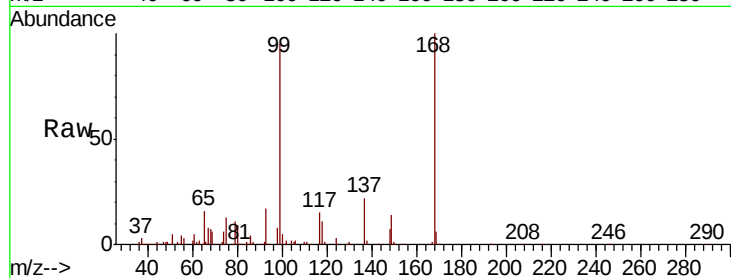
99 95.3 69.9 104.9

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

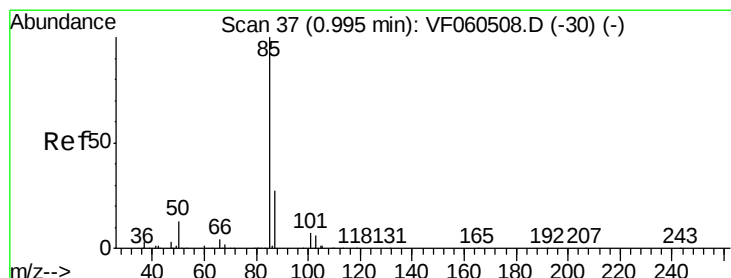
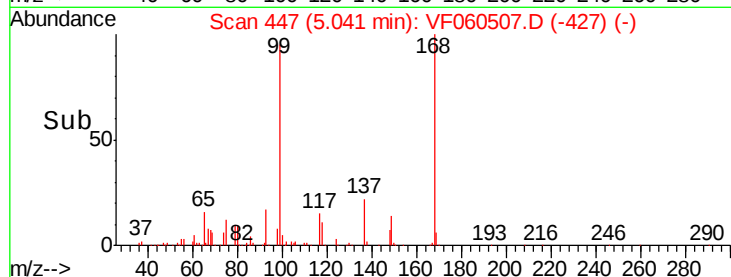
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 32.192 ug/l

RT: 1.00 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060507.D

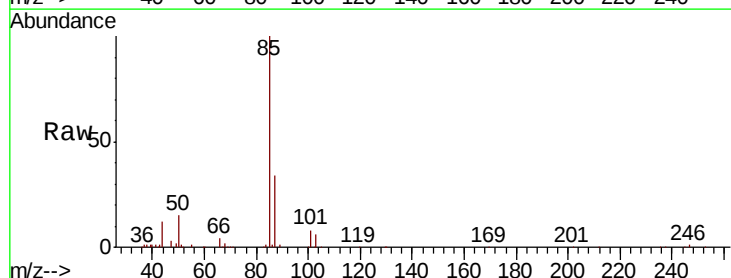
Acq: 25 Oct 2018 15:05

Tgt Ion: 85 Resp: 109614

Ion Ratio Lower Upper

85 100

87 34.2 13.5 40.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

40000

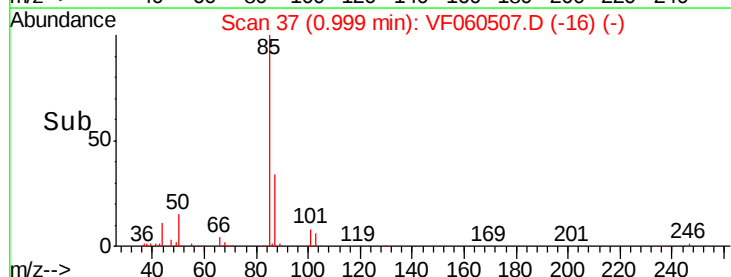
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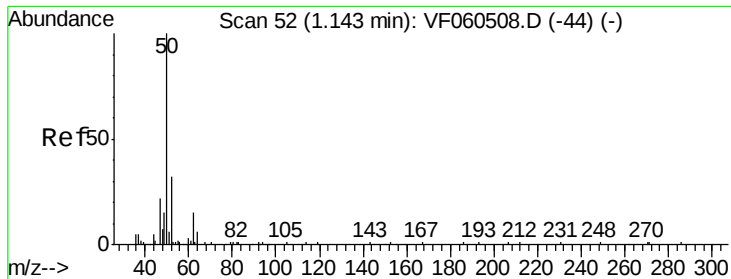
20000

10000

0

Time-->





#3

Chloromethane

Concen: 22.220 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 46809

Ion Ratio Lower Upper

50 100

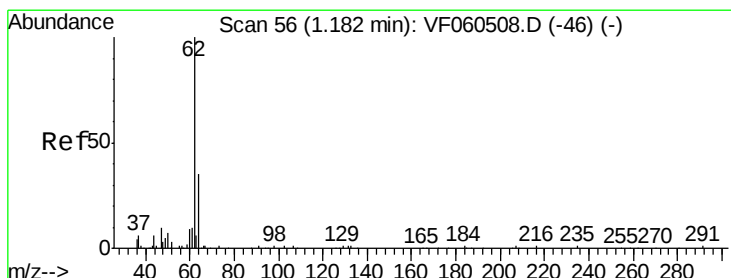
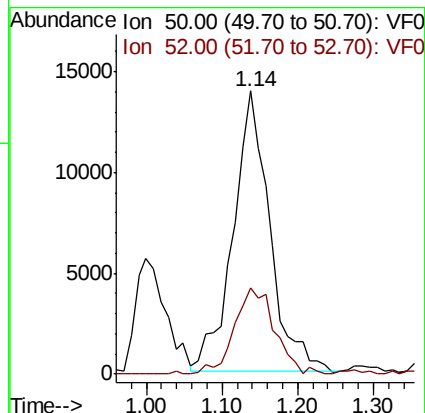
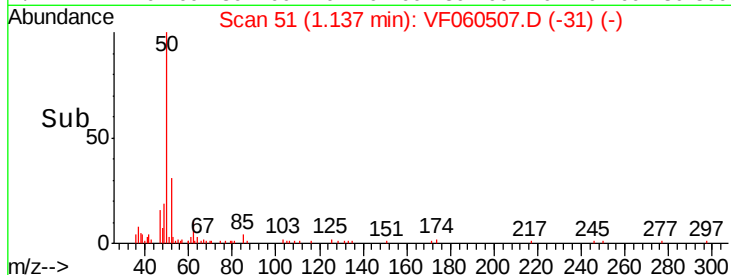
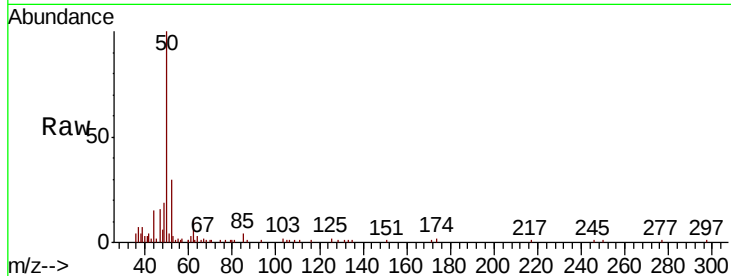
52 30.3 24.5 36.7

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#4

Vinyl Chloride

Concen: 23.149 ug/l

RT: 1.19 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF060507.D

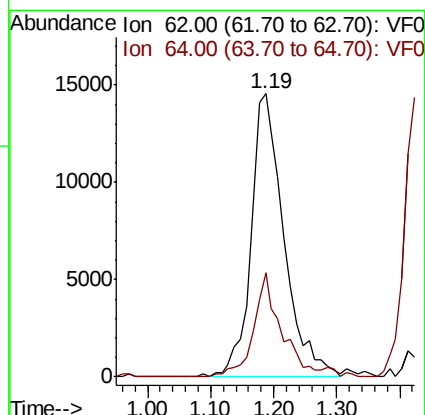
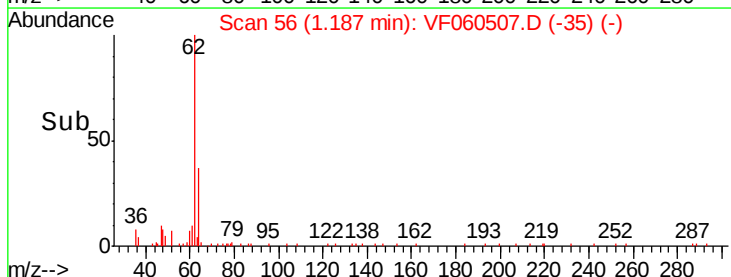
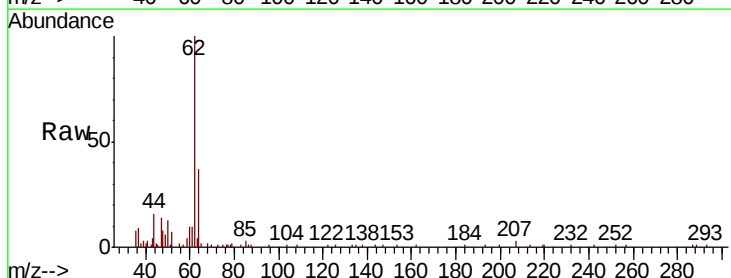
Acq: 25 Oct 2018 15:05

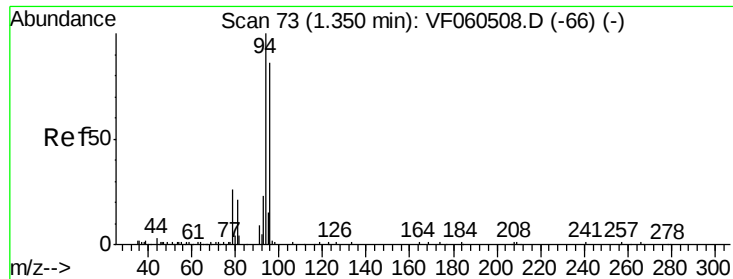
Tgt Ion: 62 Resp: 52896

Ion Ratio Lower Upper

62 100

64 36.7 27.8 41.8





#5

Bromomethane

Concen: 29.265 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 52589

Ion Ratio Lower Upper

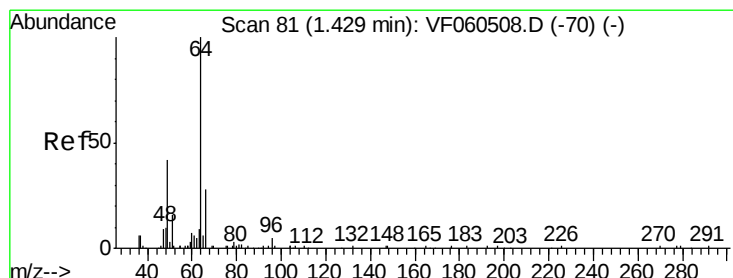
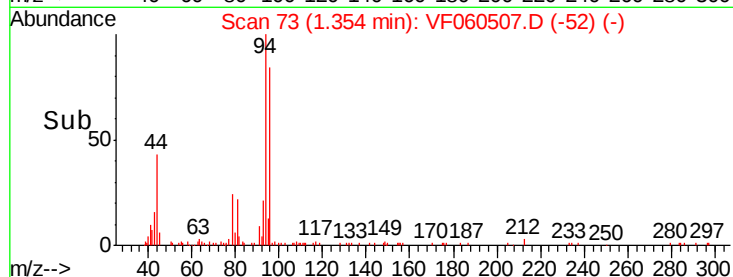
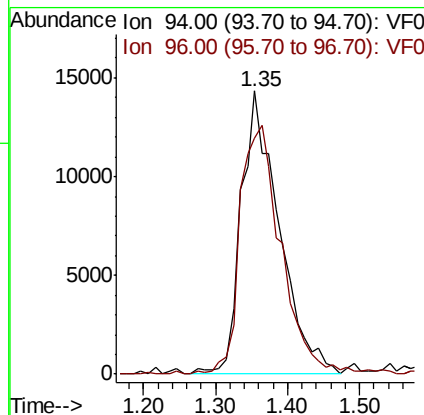
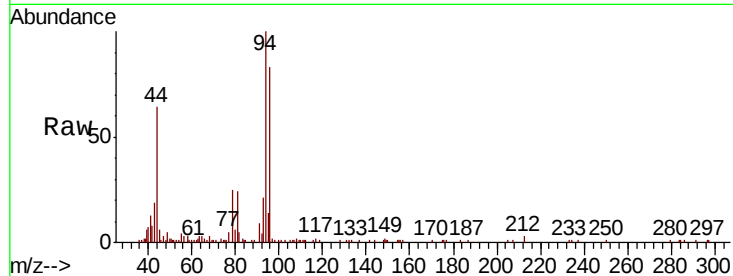
94 100

96 83.4 70.6 105.8

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#6

Chloroethane

Concen: 27.881 ug/l

RT: 1.42 min Scan# 80

Delta R.T. -0.01 min

Lab File: VF060507.D

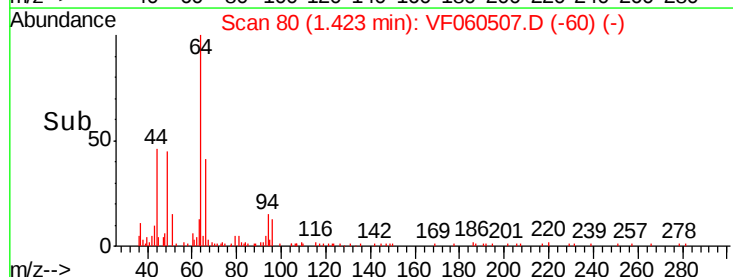
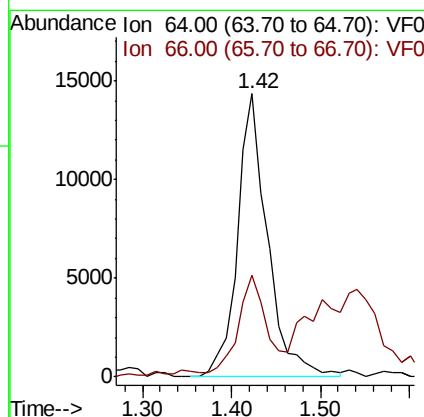
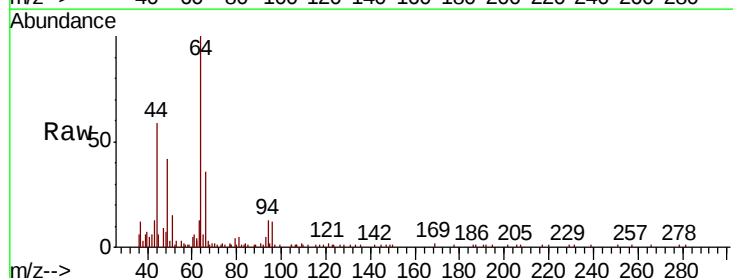
Acq: 25 Oct 2018 15:05

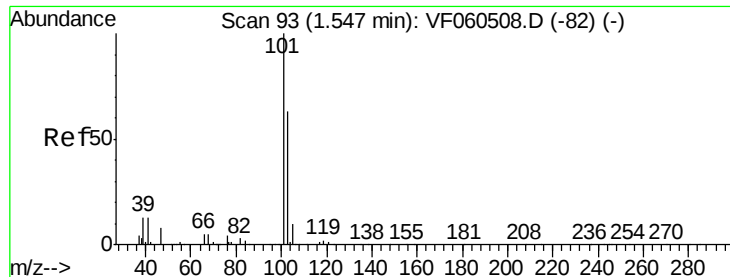
Tgt Ion: 64 Resp: 33677

Ion Ratio Lower Upper

64 100

66 35.8 22.4 33.6#





#7

Trichlorofluoromethane

Concen: 31.889 ug/l

RT: 1.54 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

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Tot Ion:101 Resp: 163323

Ion Ratio Lower Upper

101 100

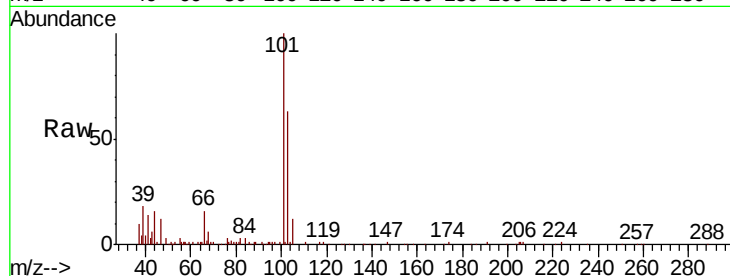
103 62.1 50.4 75.6

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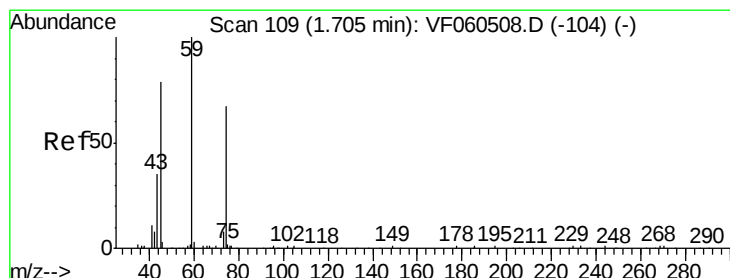
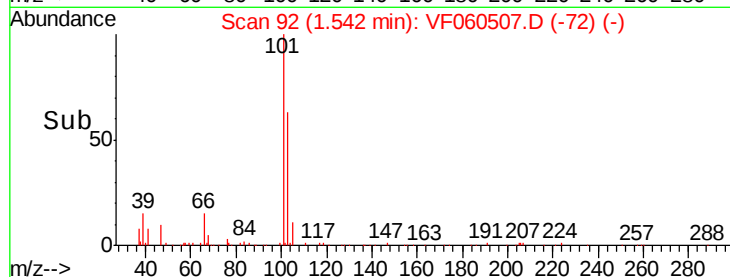
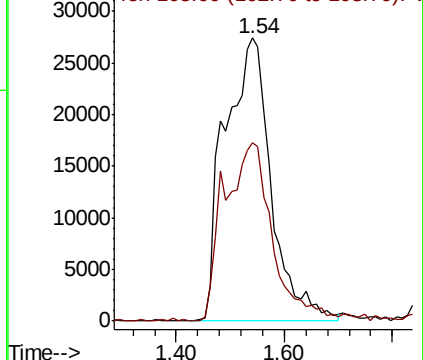
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 18.906 ug/l

RT: 1.70 min Scan# 108

Delta R.T. -0.01 min

Lab File: VF060507.D

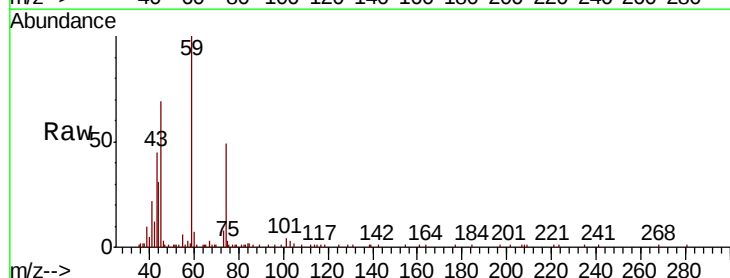
Acq: 25 Oct 2018 15:05

Tgt Ion: 74 Resp: 13855

Ion Ratio Lower Upper

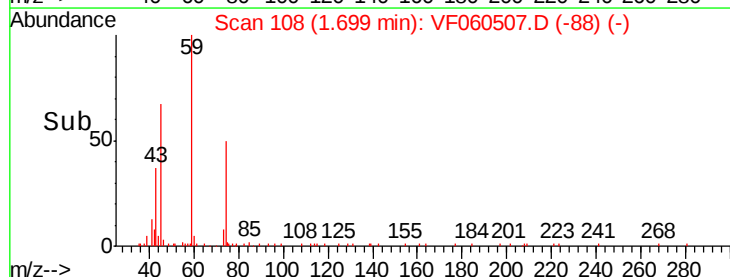
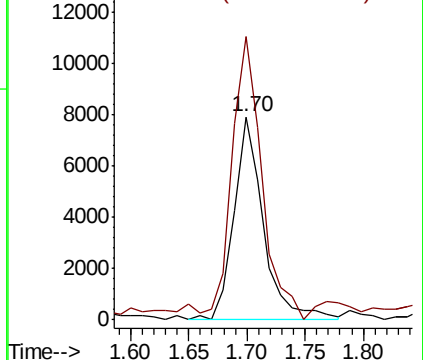
74 100

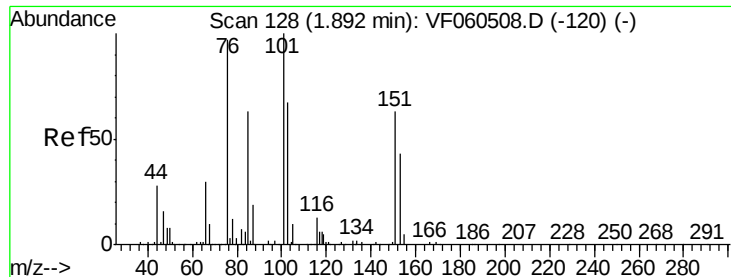
45 139.5 62.1 186.3



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: 28.236 ug/l

RT: 1.89 min Scan# 127

Delta R.T. -0.01 min

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MSVOA_F

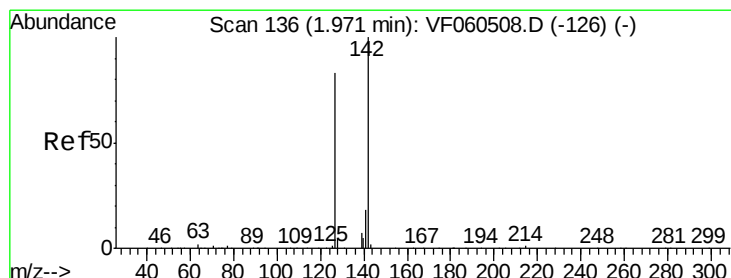
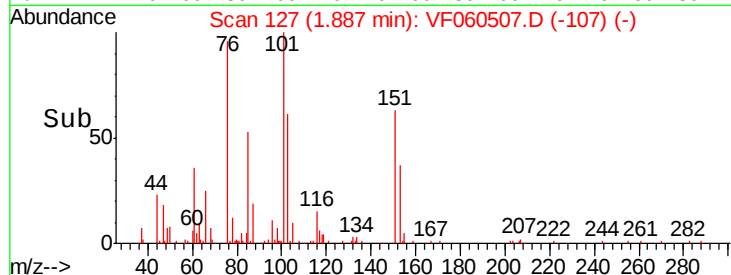
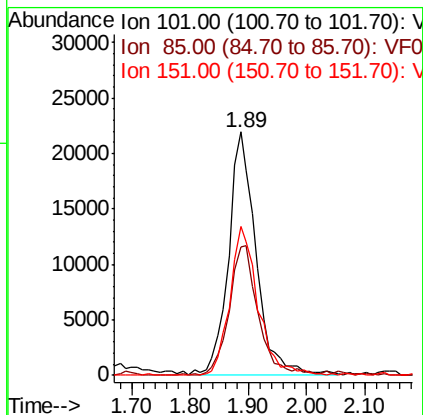
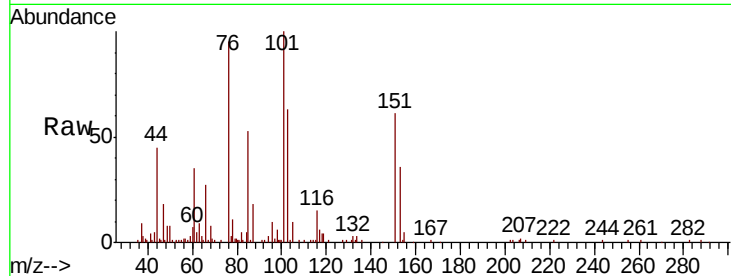
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	72341
Ion Ratio	Lower	Upper	
101	100		
85	52.5	49.9	74.9
151	61.3	50.6	76.0

Manual Integrations
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#10

Methyl Iodide

Concen: 23.324 ug/l

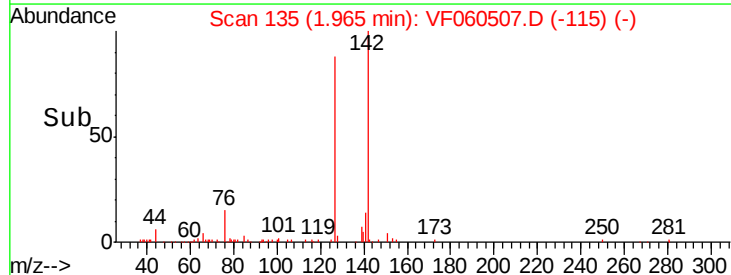
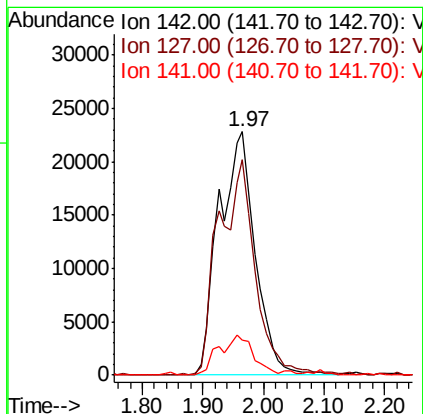
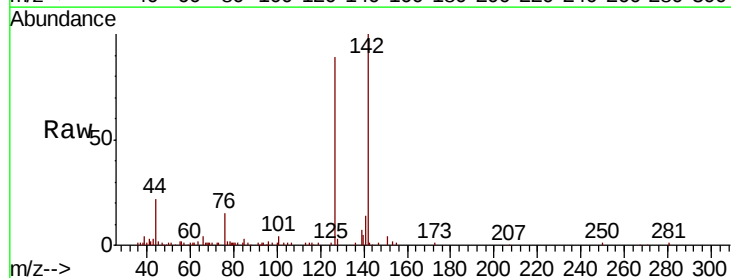
RT: 1.97 min Scan# 135

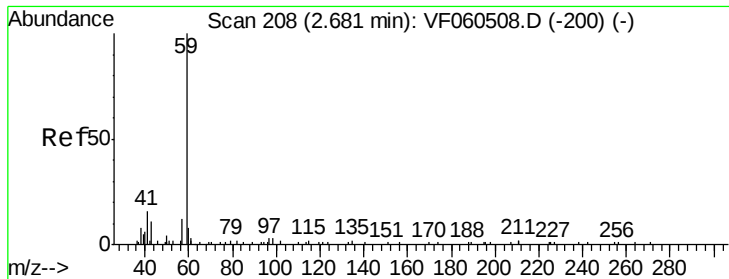
Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Tgt Ion:	142	Resp:	94743
Ion Ratio	Lower	Upper	
142	100		
127	88.5	66.5	99.7
141	14.3	14.2	21.4





#11

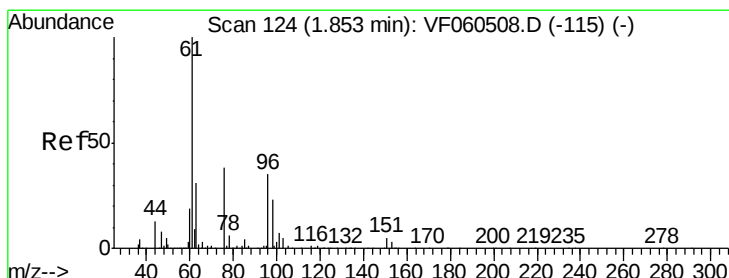
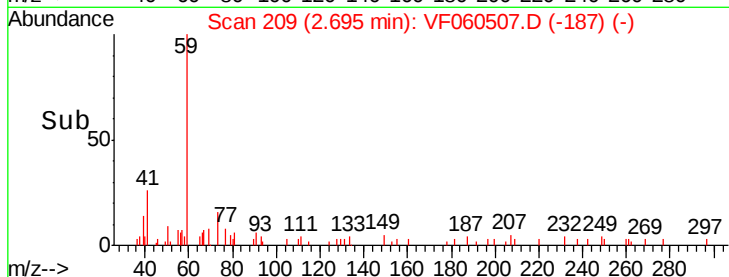
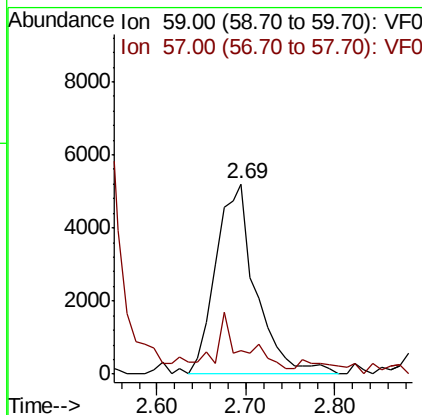
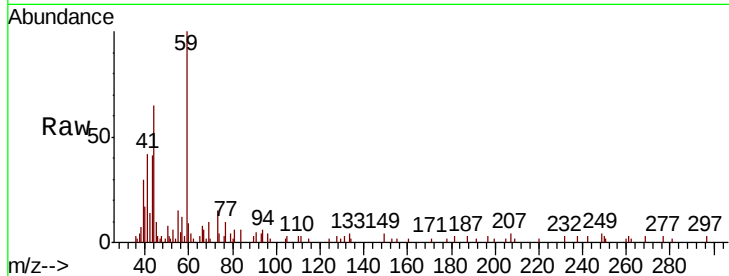
Tert butyl alcohol
Concen: 118.555 ug/l
RT: 2.69 min Scan# 209
Delta R.T. 0.01 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.4	15.8	23.8#

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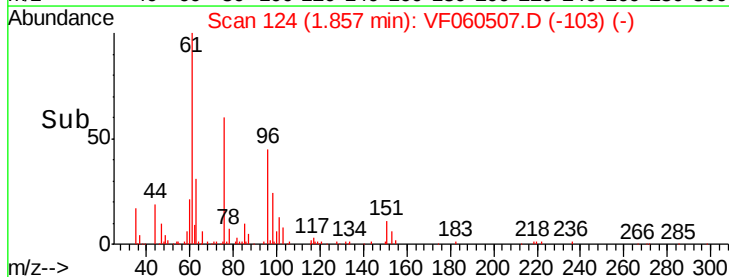
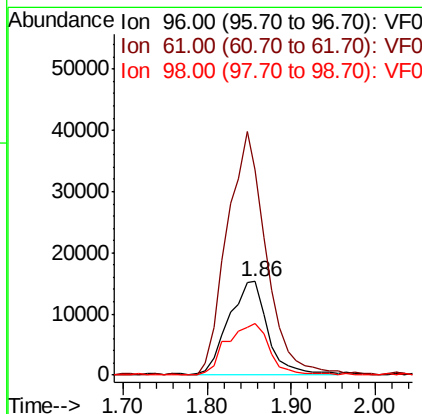
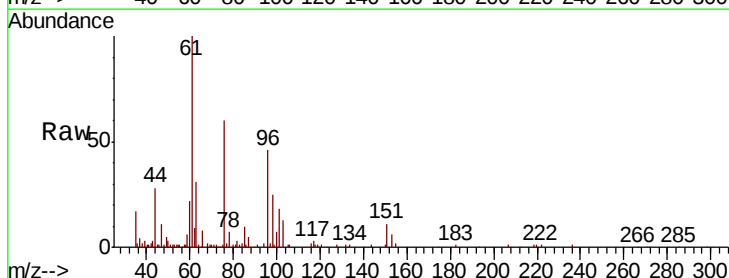
apatel
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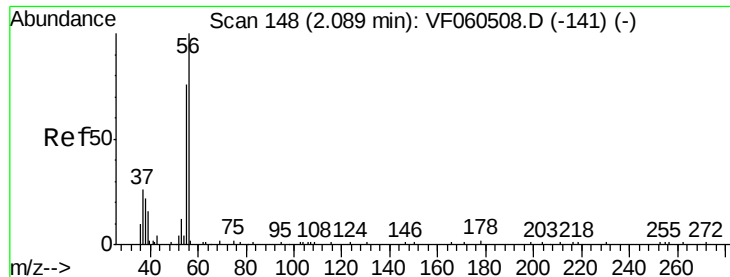


#12

1,1-Dichloroethene
Concen: 23.176 ug/l
RT: 1.86 min Scan# 124
Delta R.T. 0.00 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	219.2	231.4	347.0#
98	57.2	53.3	79.9





#13

Acrolein

Concen: 188.868 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 16115

Ion Ratio Lower Upper

56 100

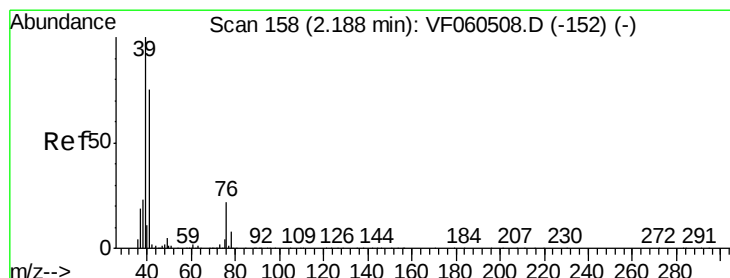
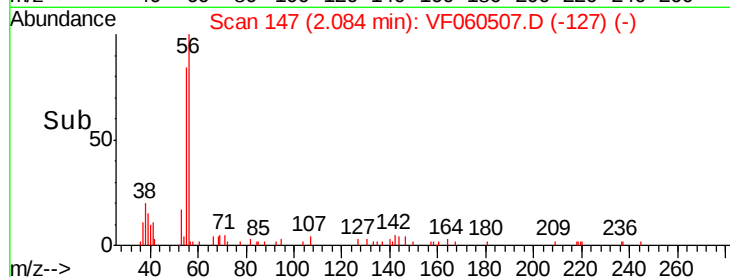
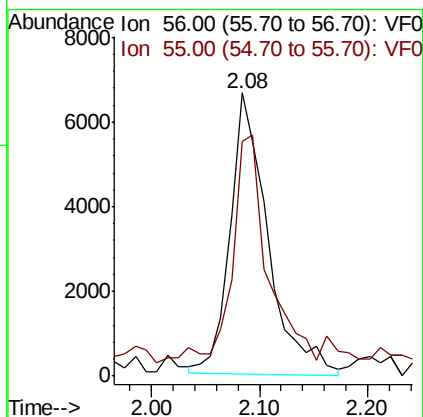
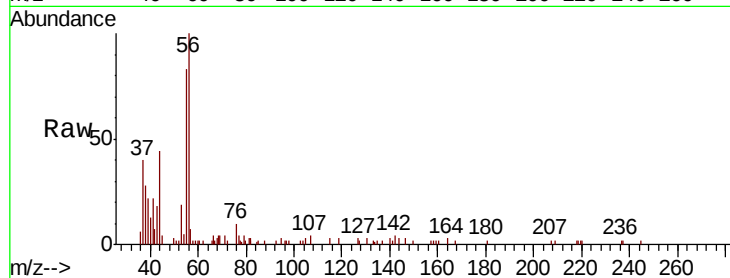
55 83.1 63.0 94.4

Manual Integrations

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#14

Allyl chloride

Concen: 25.679 ug/l

RT: 2.18 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

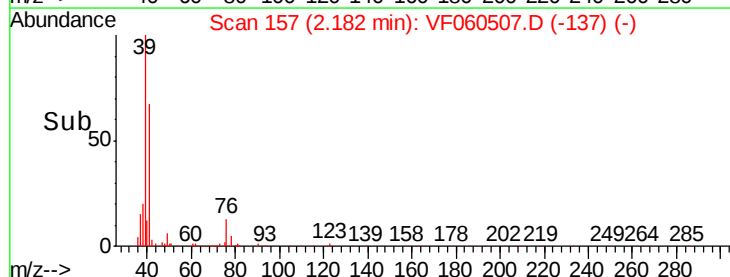
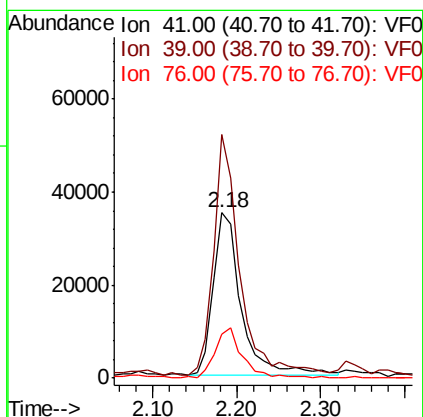
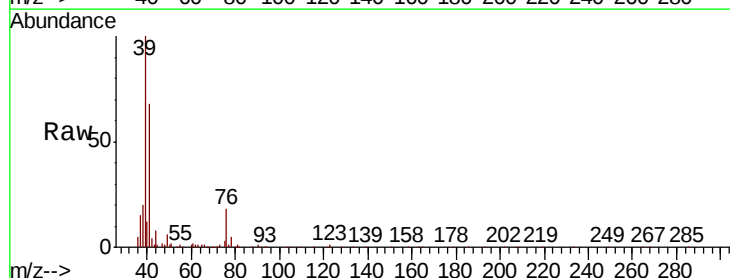
Tgt Ion: 41 Resp: 81005

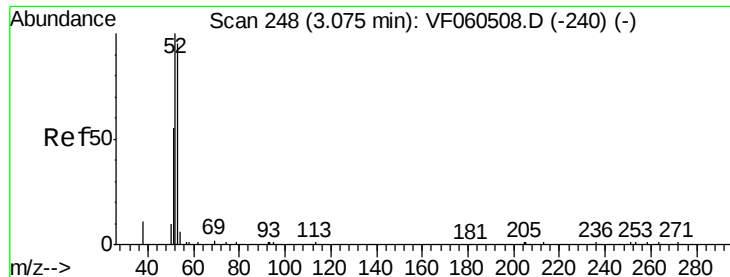
Ion Ratio Lower Upper

41 100

39 147.1 106.0 159.0

76 26.6 24.1 36.1





#15

Acrylonitrile

Concen: 91.320 ug/l

RT: 3.08 min Scan# 248

Delta R.T. 0.00 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

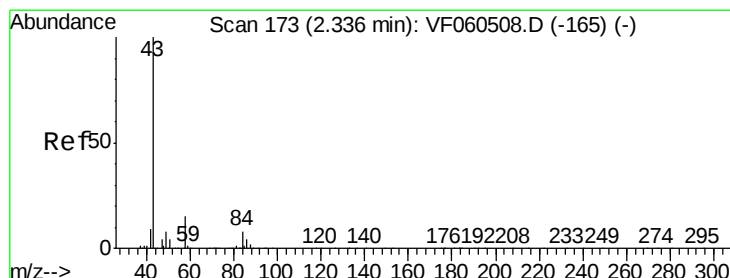
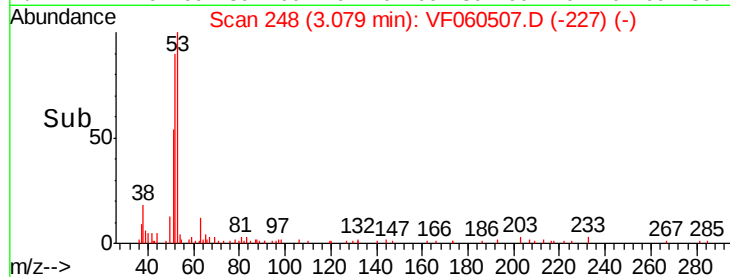
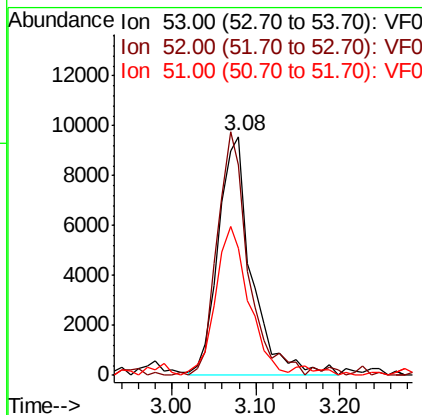
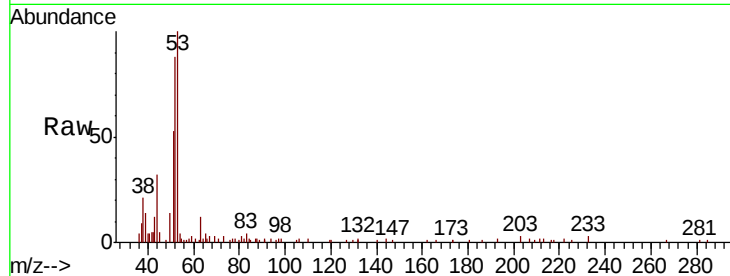
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	26473
Ion	Ratio	Lower	Upper
53	100		
52	88.1	84.0	126.0
51	53.0	48.6	73.0

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#16

Acetone

Concen: 157.532 ug/l

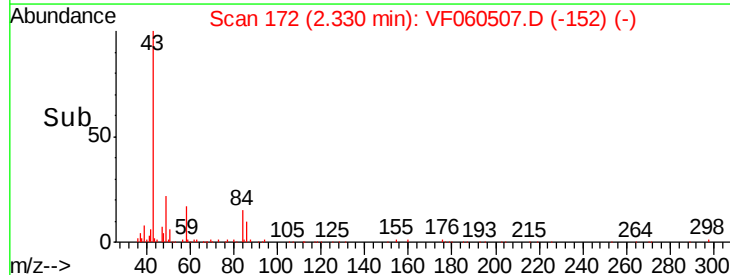
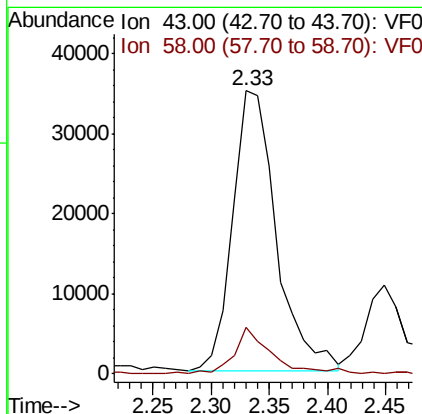
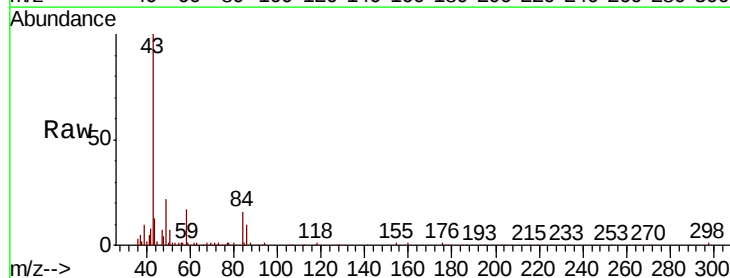
RT: 2.33 min Scan# 172

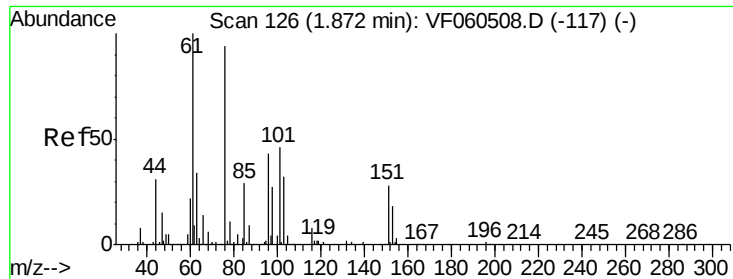
Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Tgt Ion:	43	Resp:	90714
Ion	Ratio	Lower	Upper
43	100		
58	16.5	11.7	17.5





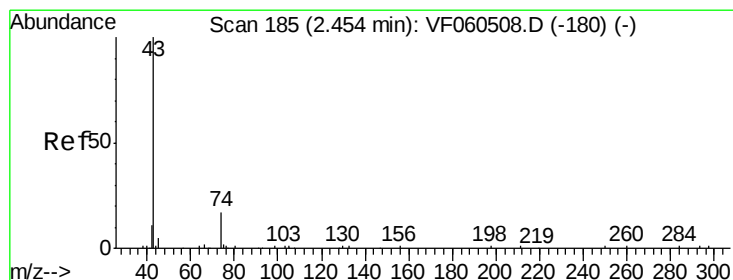
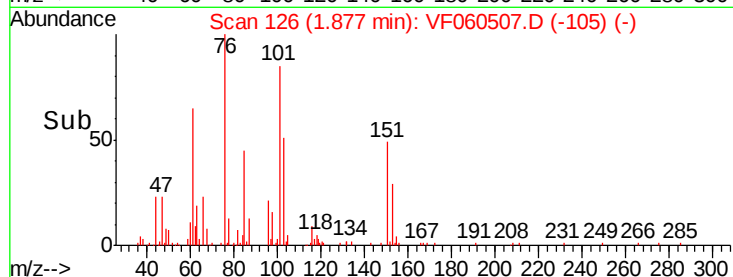
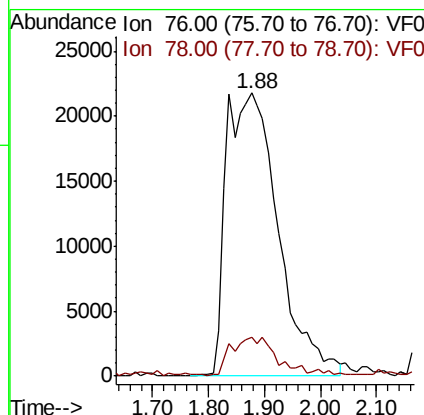
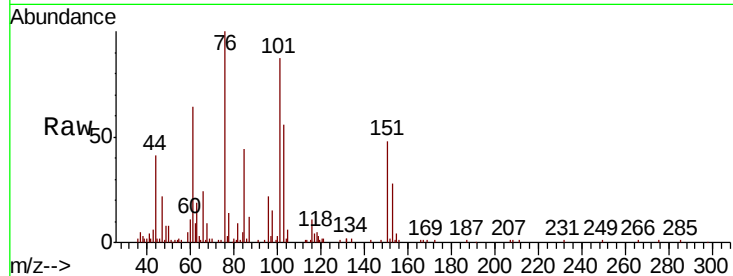
#17
Carbon Disulfide
Concen: 23.550 ug/l
RT: 1.88 min Scan# 126
Delta R.T. 0.00 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion: 76 Resp: 140154
Ion Ratio Lower Upper
76 100
78 13.8 9.2 13.8#

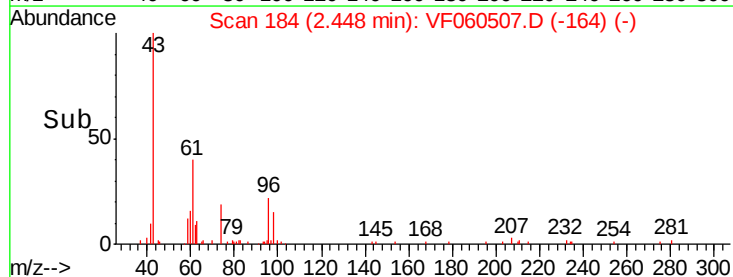
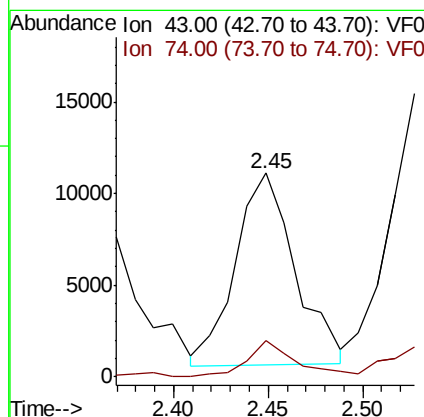
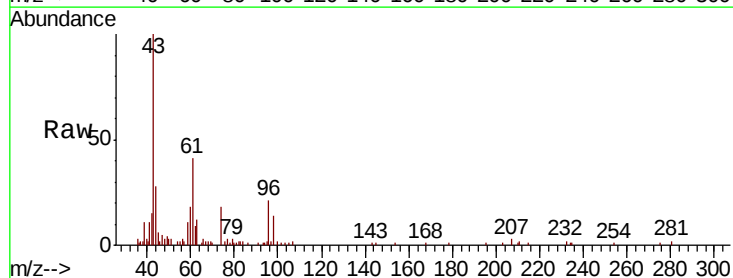
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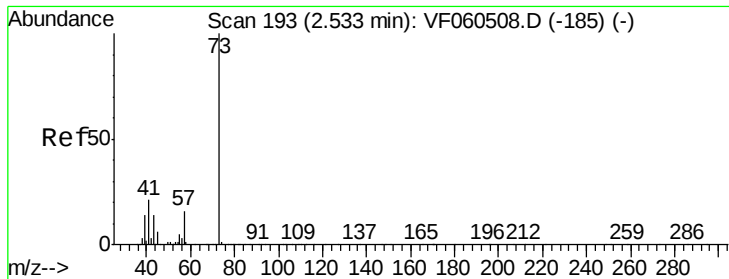
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#18
Methyl Acetate
Concen: 21.044 ug/l
RT: 2.45 min Scan# 184
Delta R.T. -0.01 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Tgt Ion: 43 Resp: 22967
Ion Ratio Lower Upper
43 100
74 17.8 12.1 18.1





#19

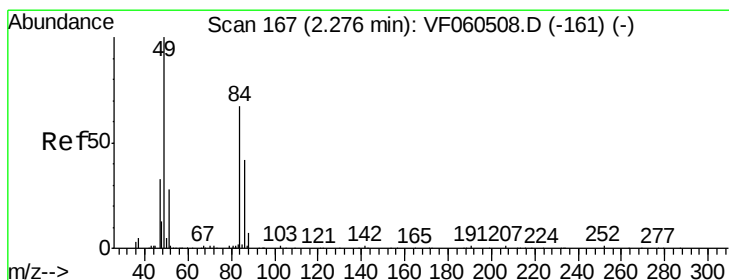
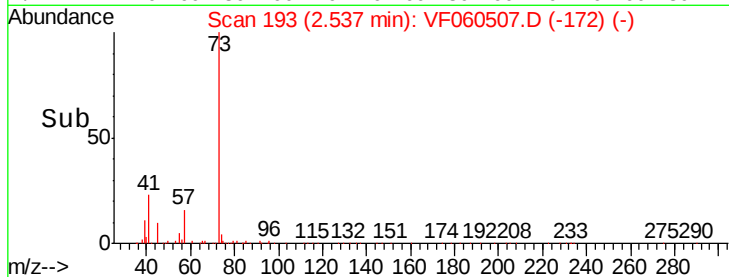
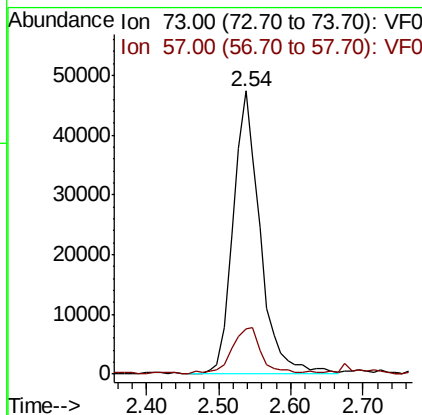
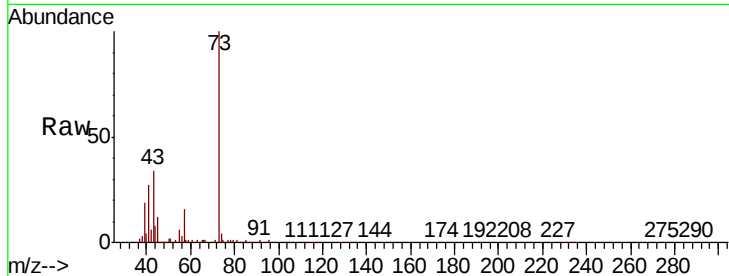
Methyl tert-butyl Ether
 Concen: 25.797 ug/l
 RT: 2.54 min Scan# 193
 Delta R.T. 0.00 min
 Lab File: VF060507.D
 Acq: 25 Oct 2018 15:05

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.9	13.3	19.9

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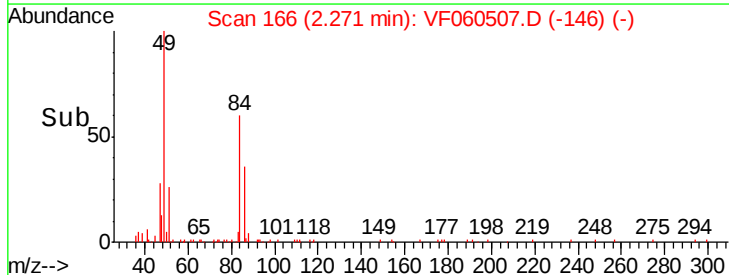
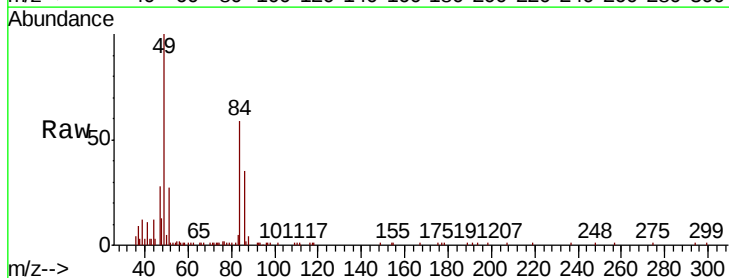
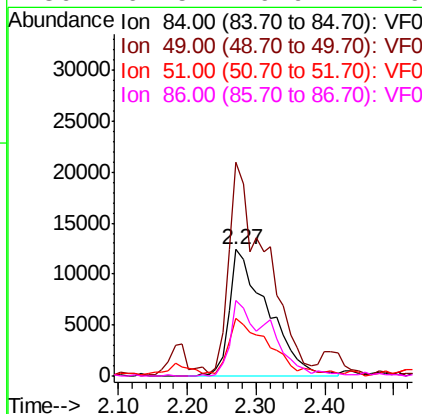
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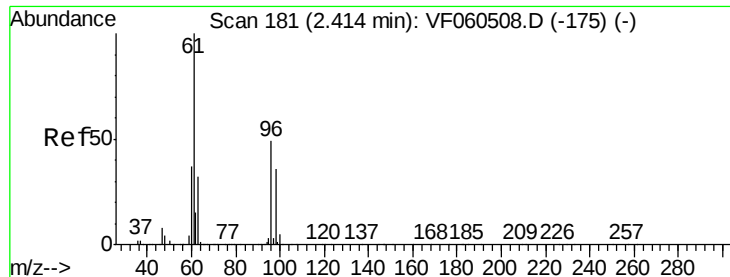


#20

Methylene Chloride
 Concen: 23.929 ug/l
 RT: 2.27 min Scan# 166
 Delta R.T. -0.01 min
 Lab File: VF060507.D
 Acq: 25 Oct 2018 15:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	169.0	123.1	184.7
51	45.4	35.3	52.9
86	62.5	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 24.704 ug/l

RT: 2.41 min Scan# 180

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

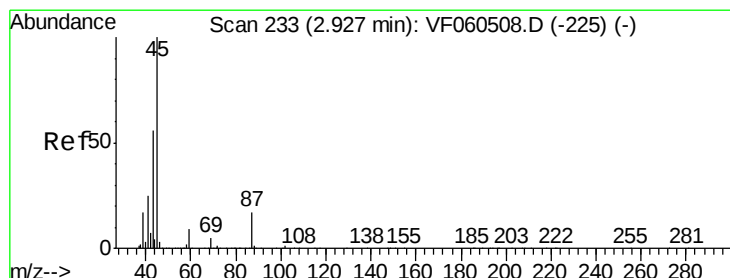
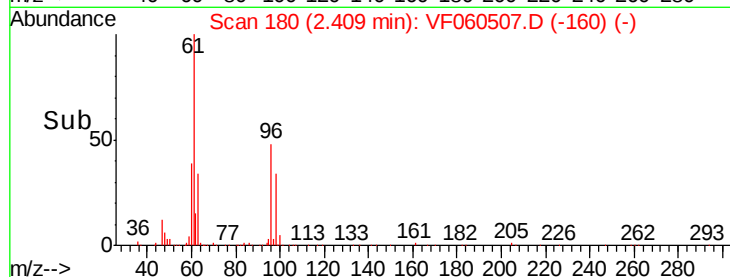
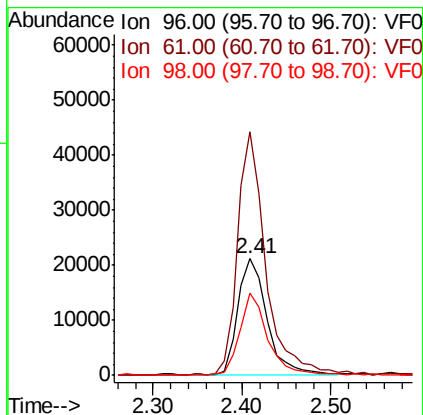
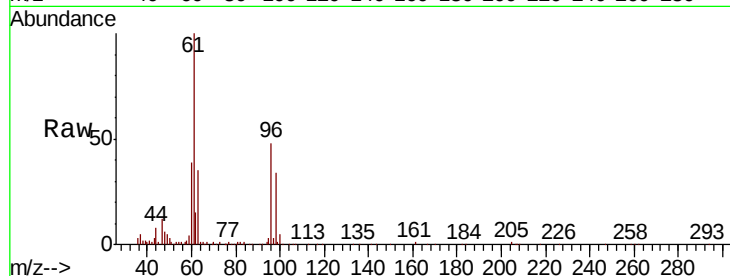
ClientSampled :

VSTDIC020

Tot Ion:	96	Resp:	49344
Ion	Ratio	Lower	Upper
96	100		
61	208.4	162.5	243.7
98	70.6	58.5	87.7

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#22

Diisopropyl ether

Concen: 21.394 ug/l

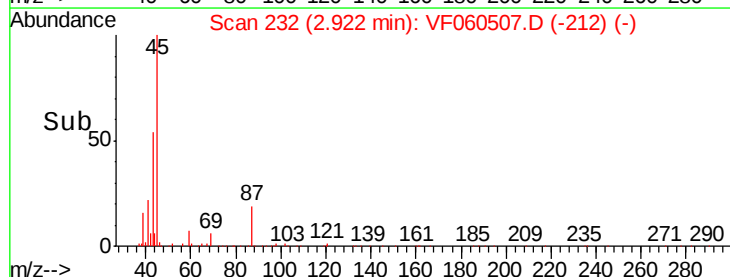
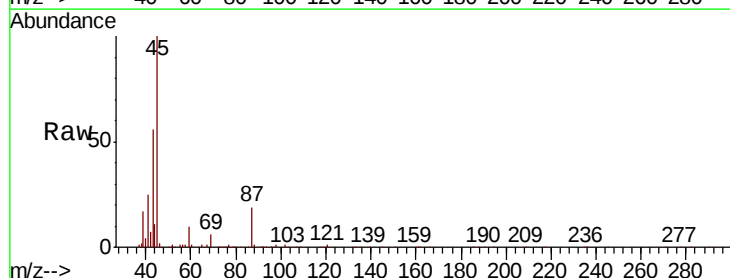
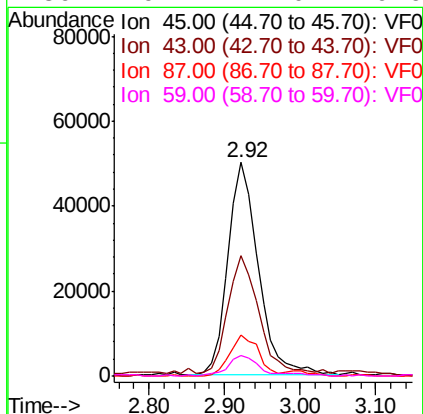
RT: 2.92 min Scan# 232

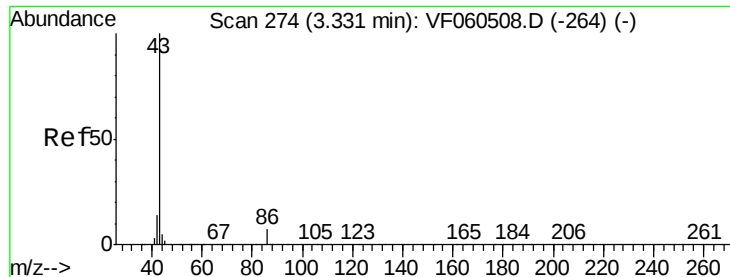
Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Tgt Ion:	45	Resp:	138726
Ion	Ratio	Lower	Upper
45	100		
43	56.1	45.2	67.8
87	19.3	13.4	20.2
59	9.7	7.0	10.6





#23

Vinyl Acetate

Concen: 106.786 ug/l

RT: 3.33 min Scan# 273

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 242400

Ion Ratio Lower Upper

43 100

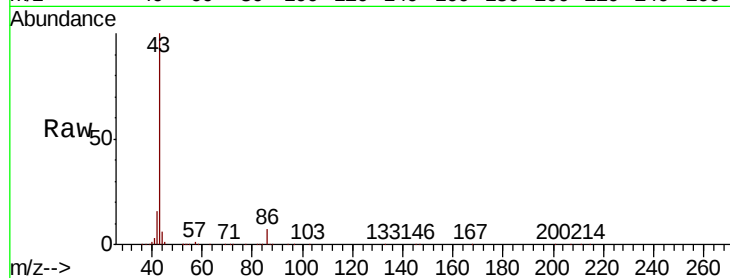
86 6.7 5.3 7.9

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.33

100000

80000

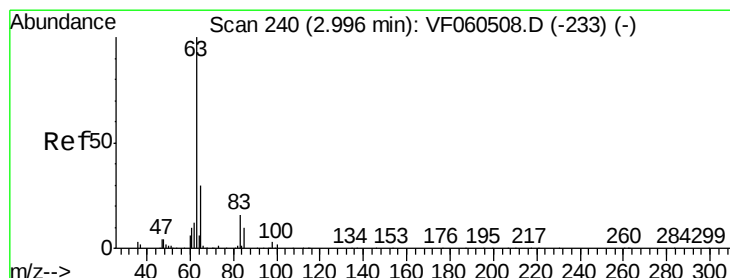
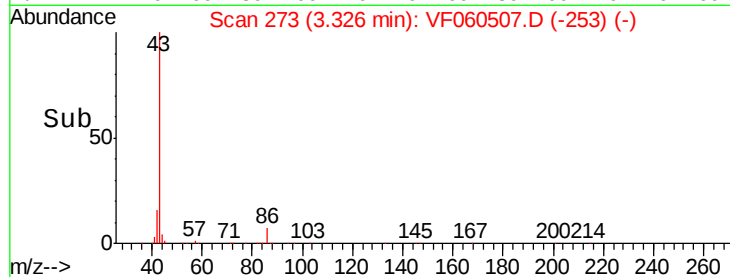
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 25.798 ug/l

RT: 3.00 min Scan# 240

Delta R.T. 0.00 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

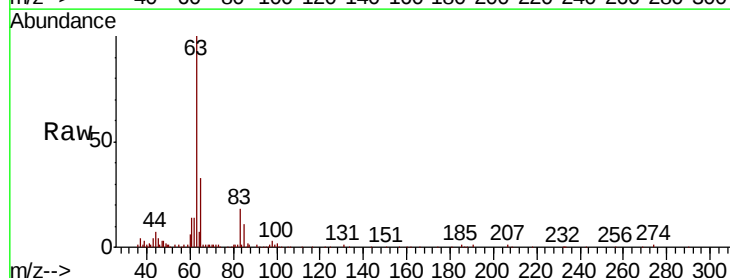
Tgt Ion: 63 Resp: 112263

Ion Ratio Lower Upper

63 100

98 3.1 1.7 5.0

100 2.0 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

3.00

50000

40000

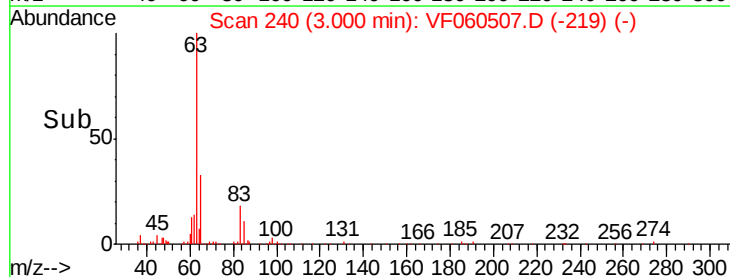
30000

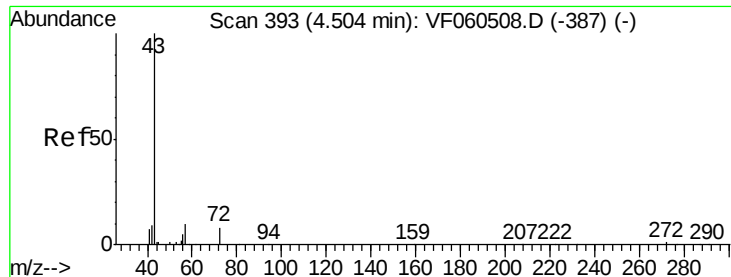
20000

10000

0

Time-->





#25

2-Butanone

Concen: 107.284 ug/l

RT: 4.50 min Scan# 392

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 67250

Ion Ratio Lower Upper

43 100

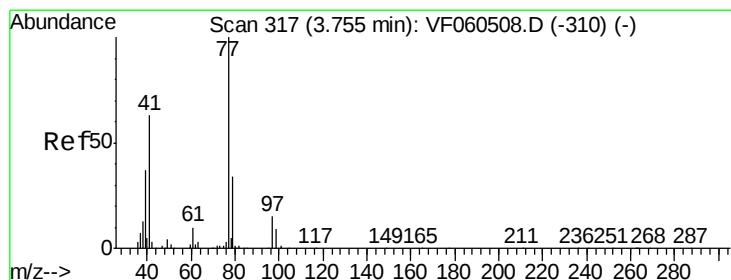
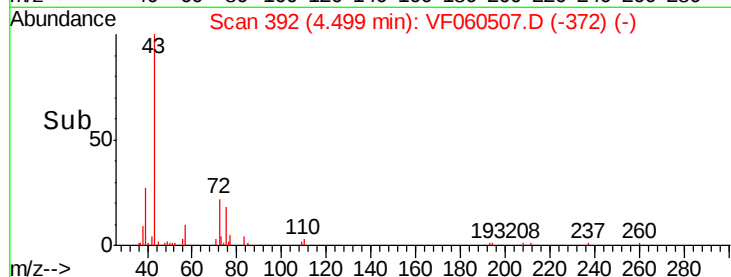
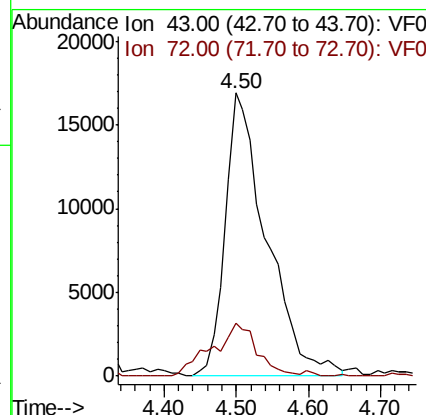
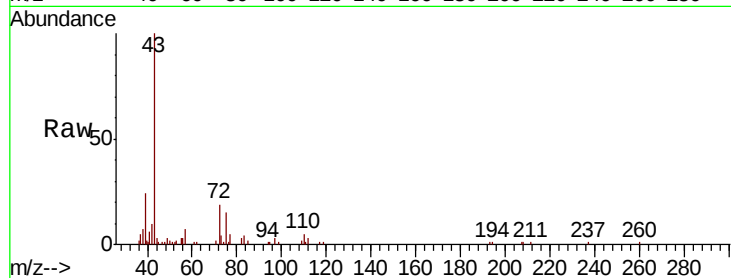
72 18.5 13.0 19.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 31.763 ug/l

RT: 3.76 min Scan# 317

Delta R.T. 0.00 min

Lab File: VF060507.D

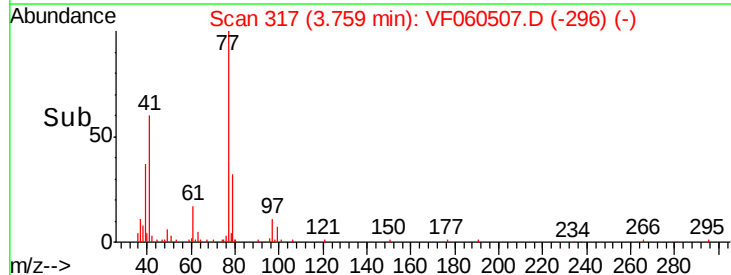
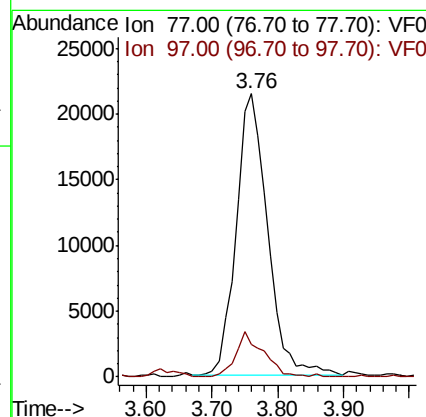
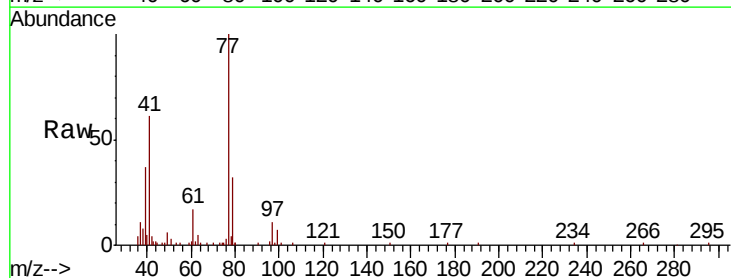
Acq: 25 Oct 2018 15:05

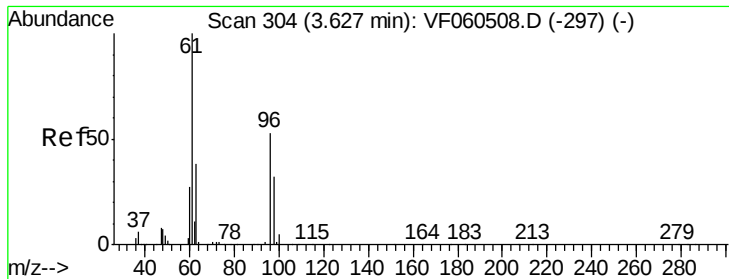
Tgt Ion: 77 Resp: 72068

Ion Ratio Lower Upper

77 100

97 11.4 7.9 23.7





#27

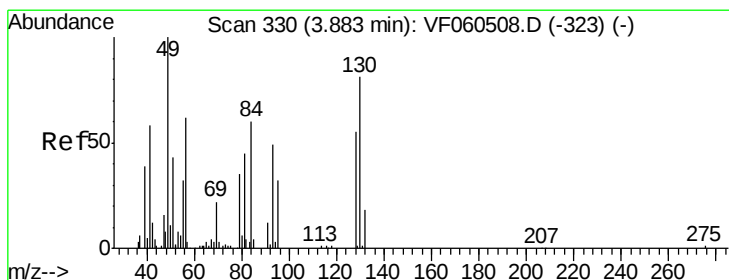
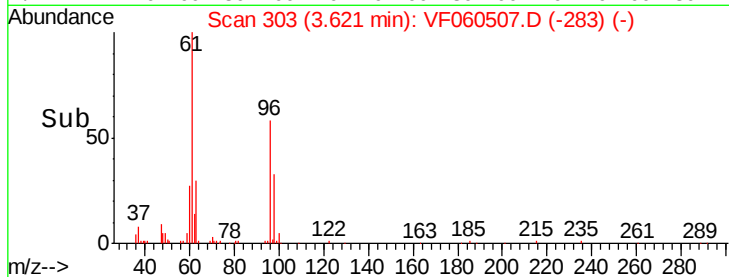
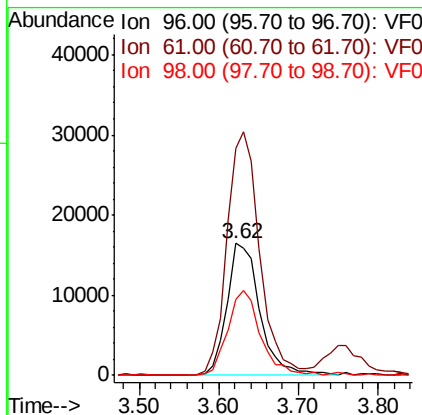
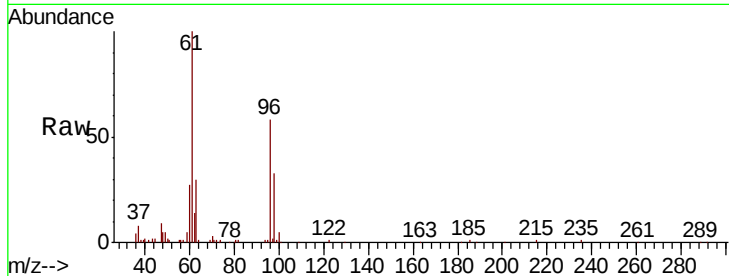
cis-1,2-Dichloroethene
Concen: 20.511 ug/l
RT: 3.62 min Scan# 303
Delta R.T. -0.01 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	47823		
61	172.1	0.0	377.0	
98	57.6	0.0	122.4	

Manual Integrations
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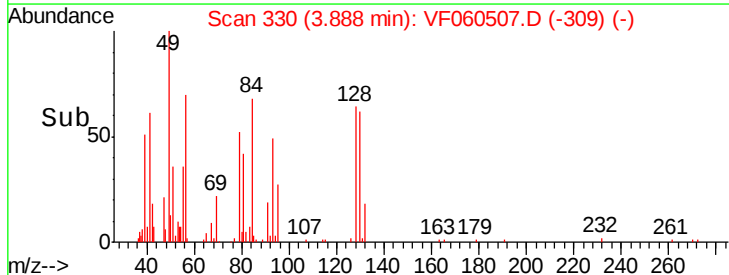
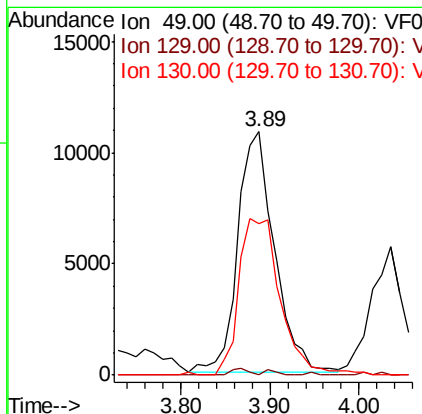
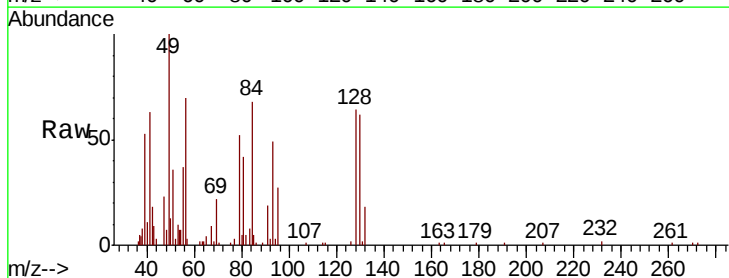
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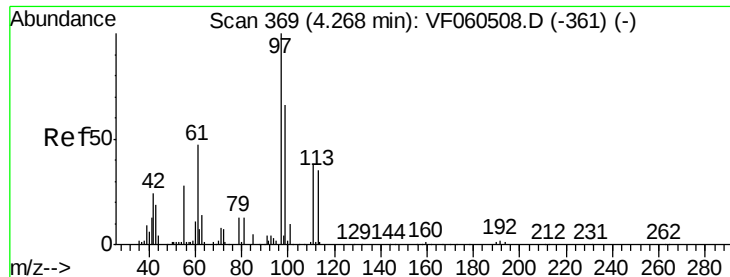


#28

Bromochloromethane
Concen: 20.446 ug/l
RT: 3.89 min Scan# 330
Delta R.T. 0.00 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	30903		
129	0.0	0.0	2.0	
130	62.4	65.0	97.4#	





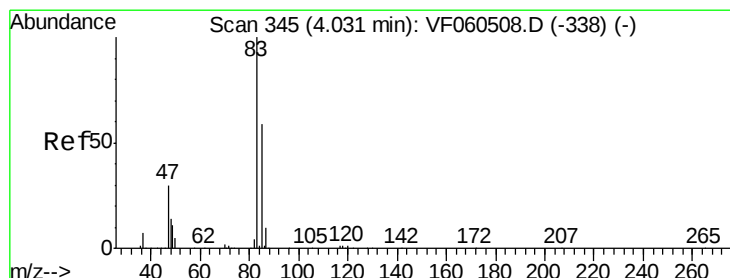
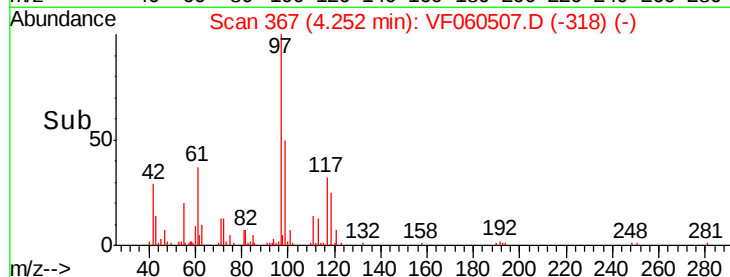
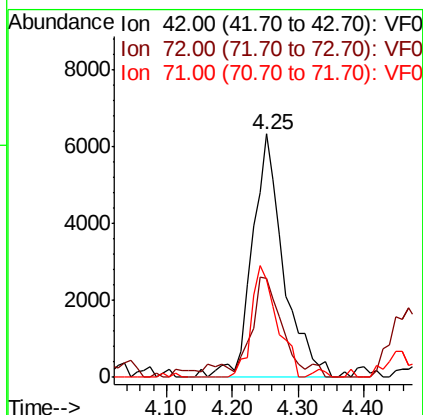
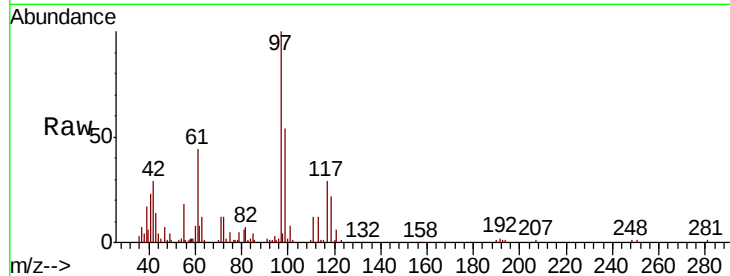
#29
Tetrahydrofuran
Concen: 79.730 ug/l
RT: 4.25 min Scan# 367
Delta R.T. -0.02 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.4	32.1	48.1
71	37.6	29.7	44.5

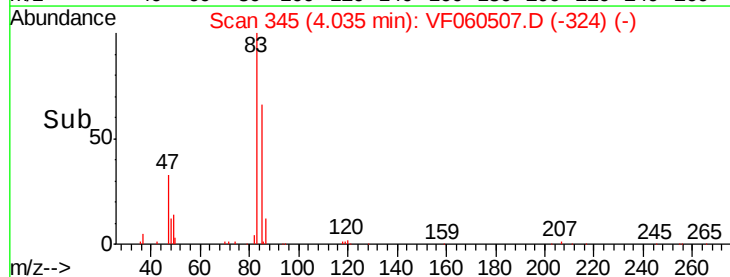
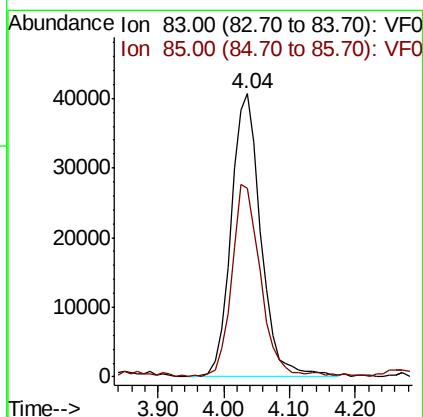
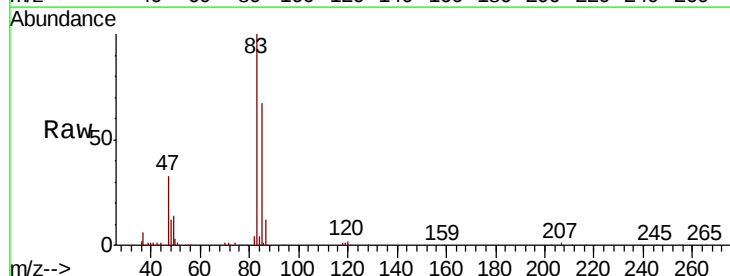
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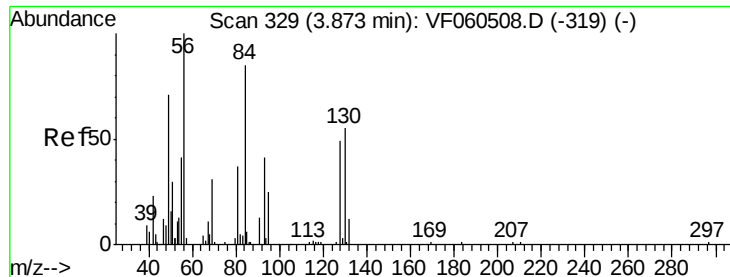
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#30
Chloroform
Concen: 25.639 ug/l
RT: 4.04 min Scan# 345
Delta R.T. 0.00 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	47.4	71.2





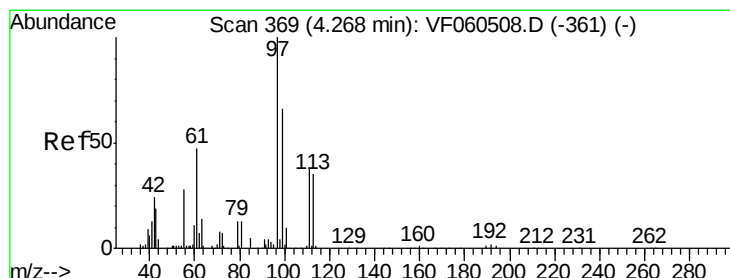
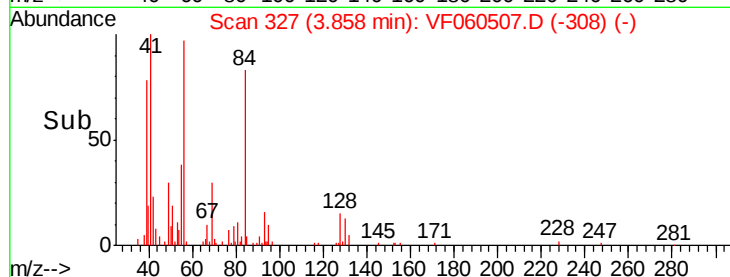
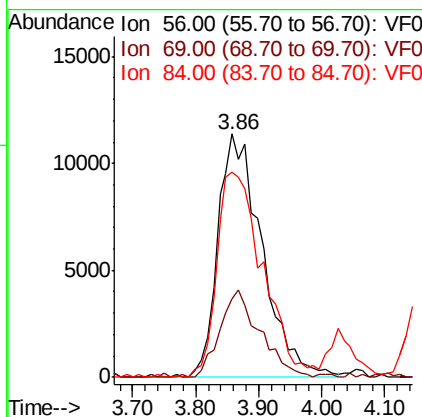
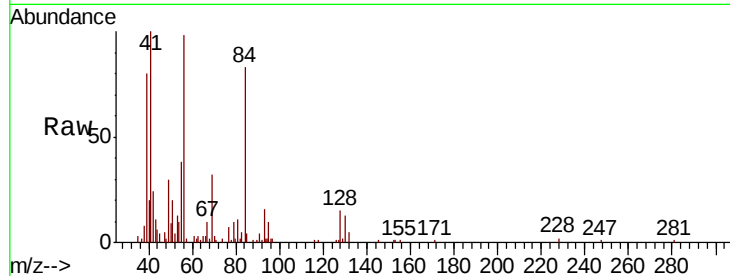
#31
Cyclohexane
Concen: 19.844 ug/l
RT: 3.86 min Scan# 327
Delta R.T. -0.02 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	24.6	37.0
84	84.3	68.2	102.2

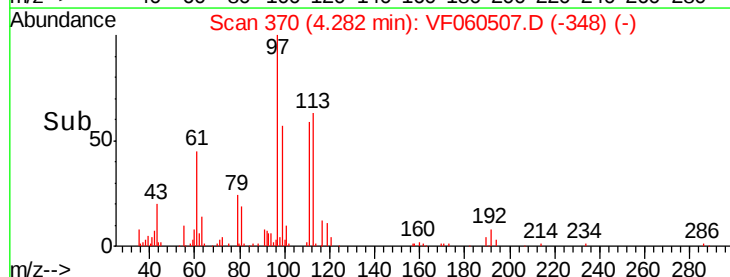
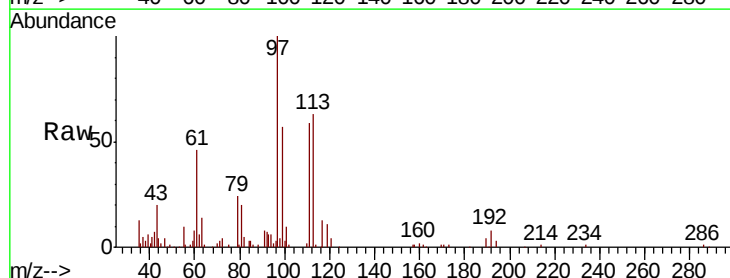
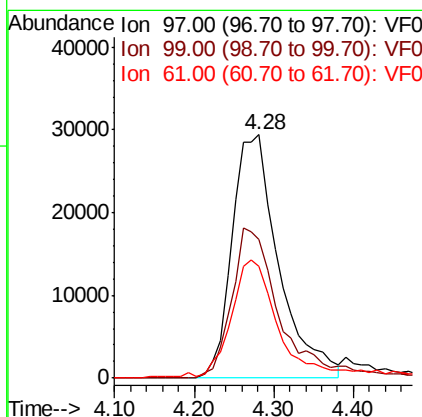
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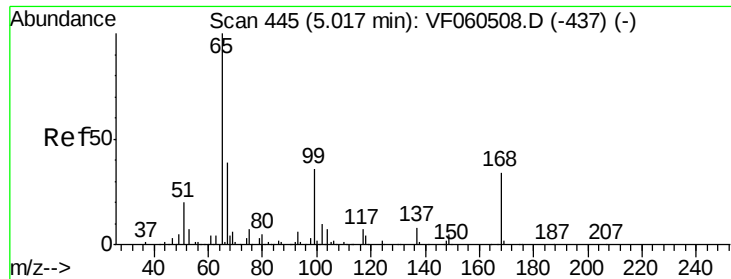
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#32
1,1,1-Trichloroethane
Concen: 30.127 ug/l
RT: 4.28 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	57.1	53.0	79.6
61	46.0	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 24.494 ug/l

RT: 5.01 min Scan# 444

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 64369

Ion Ratio Lower Upper

65 100

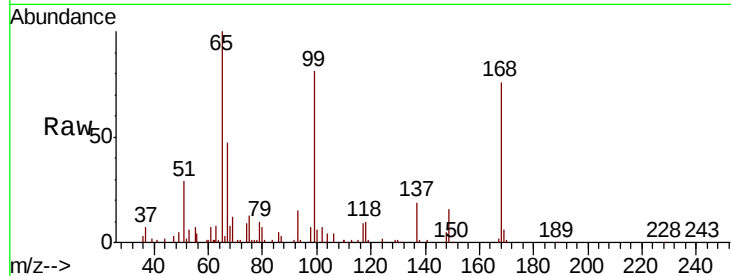
67 46.6 0.0 85.8

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

5.01

25000

20000

15000

10000

5000

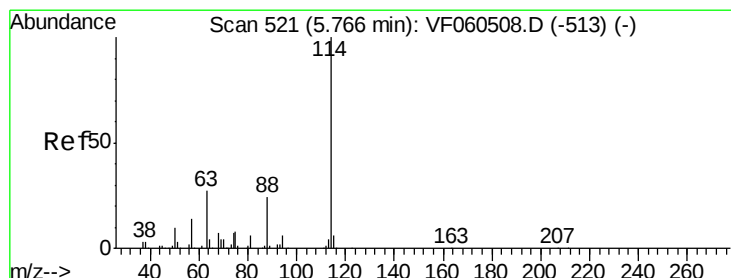
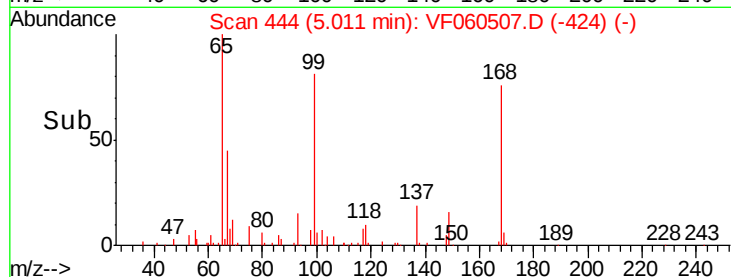
0

4.90

5.01

5.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 520

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

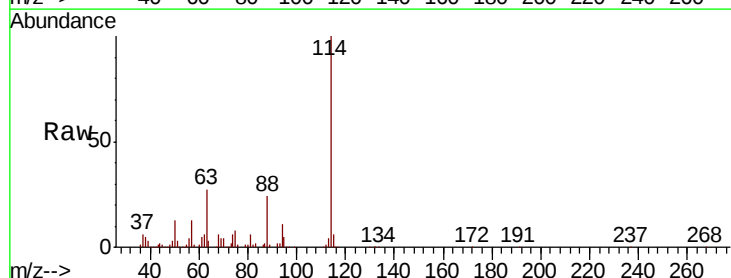
Tgt Ion: 114 Resp: 255028

Ion Ratio Lower Upper

114 100

63 26.7 0.0 54.4

88 24.2 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

5.76

120000

100000

80000

60000

40000

20000

0

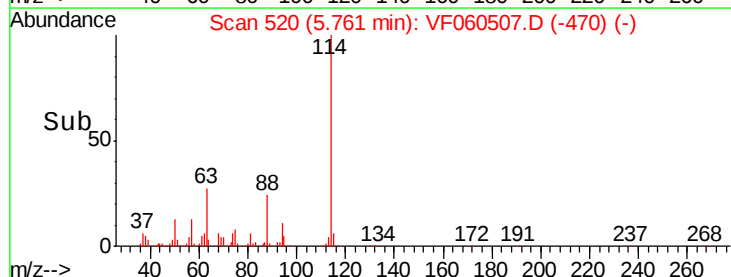
5.60

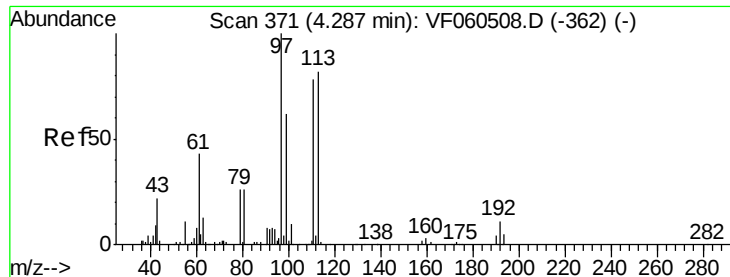
5.76

5.90

6.00

Time-->





#35

Dibromofluoromethane

Concen: 26.213 ug/l

RT: 4.29 min Scan# 371

Delta R.T. 0.00 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

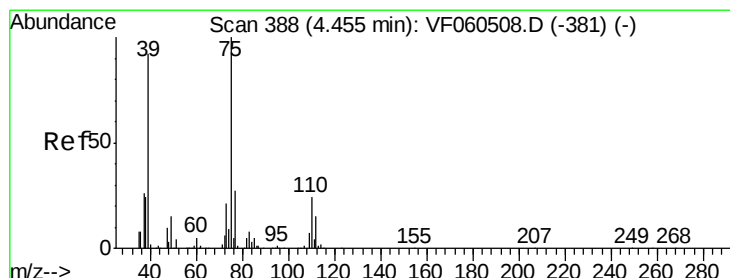
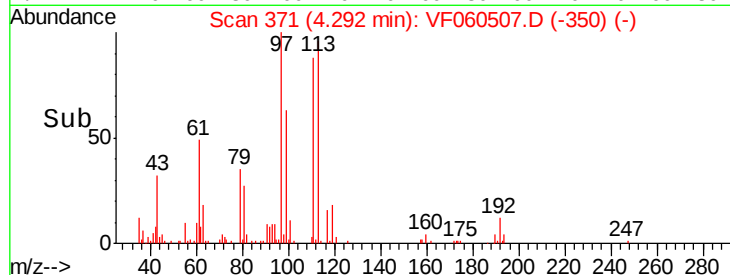
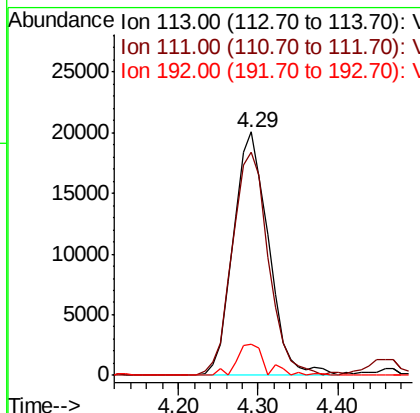
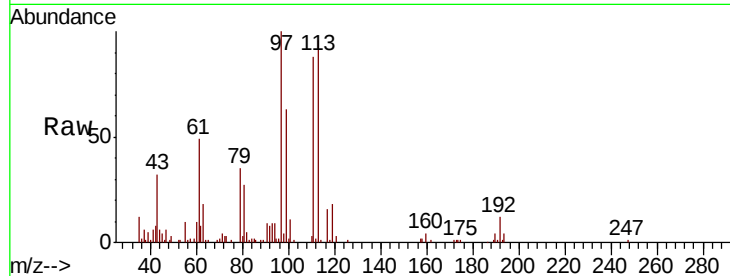
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	91.9	75.9	113.9
192	12.7	10.6	15.8

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#36

1,1-Dichloropropene

Concen: 26.275 ug/l

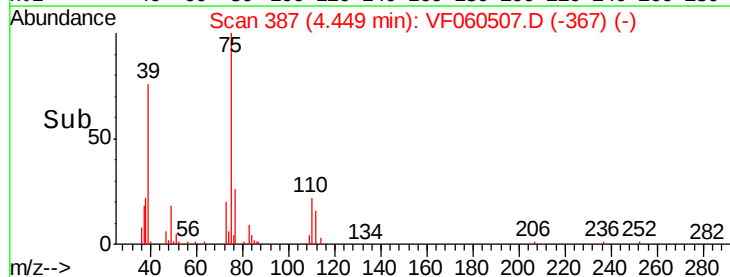
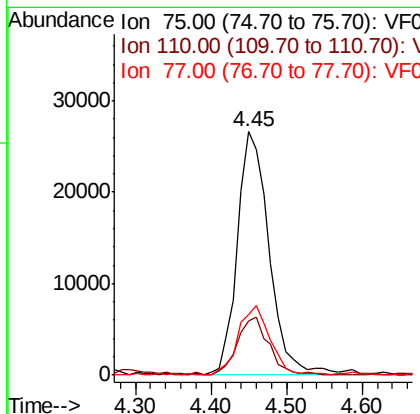
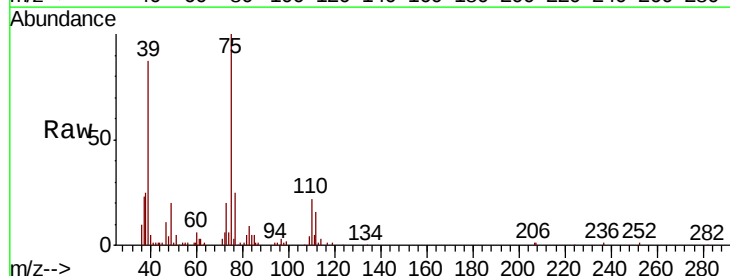
RT: 4.45 min Scan# 387

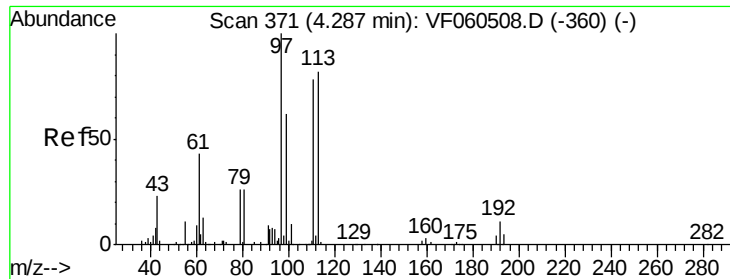
Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	22.0	12.1	36.3
77	24.9	21.8	32.6





#37

Ethyl Acetate

Concen: 25.080 ug/l

RT: 4.29 min Scan# 371

Delta R.T. 0.00 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

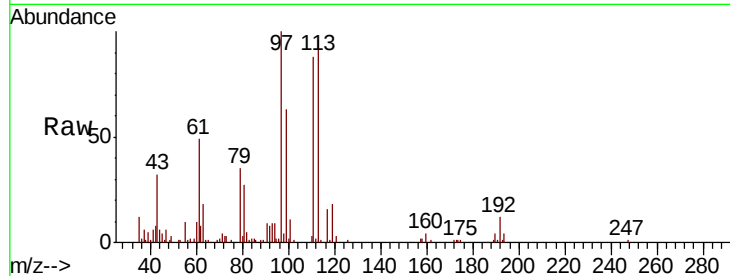
ClientSampleId :

VSTDIC020

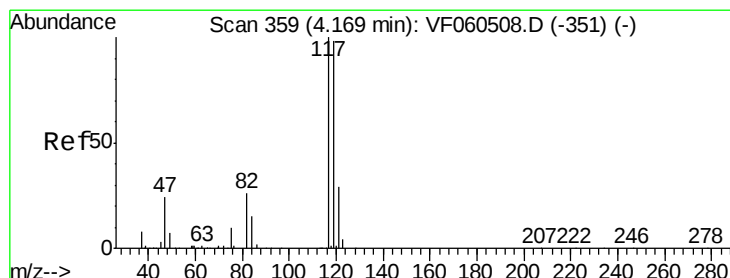
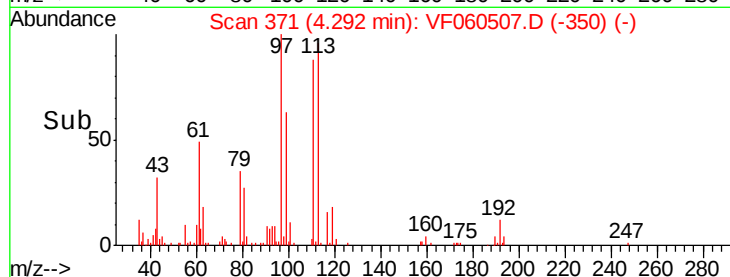
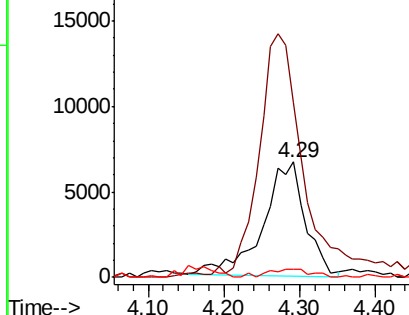
Tot Ion:	43	Resp:	26279
Ion	Ratio	Lower	Upper
43	100		
61	151.8	148.5	222.7
70	6.9	4.7	7.1

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Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 41.702 ug/l m

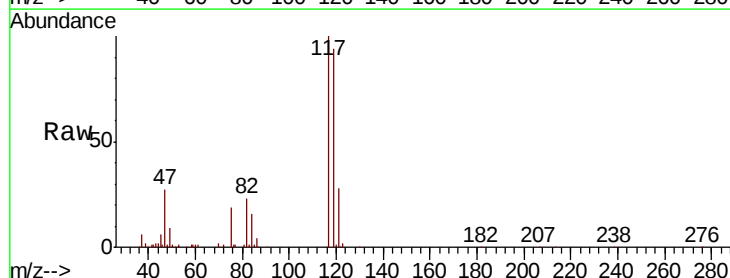
RT: 4.17 min Scan# 359

Delta R.T. 0.00 min

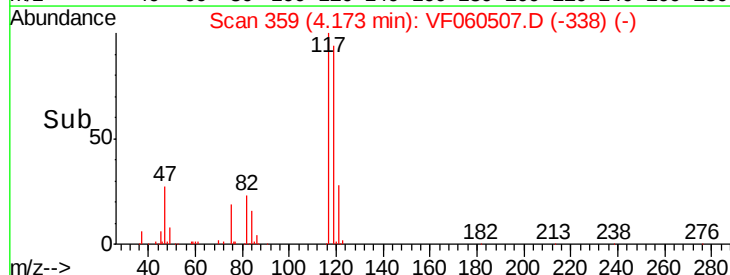
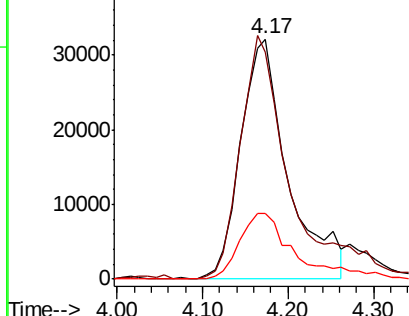
Lab File: VF060507.D

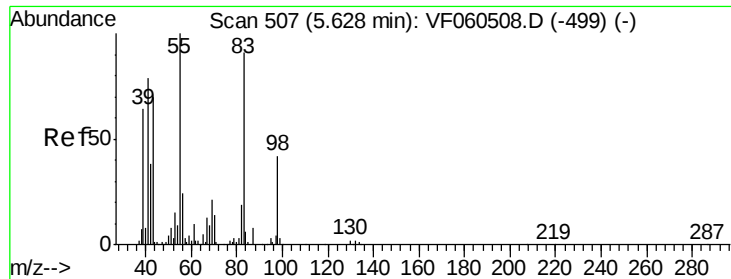
Acq: 25 Oct 2018 15:05

Tgt Ion:	117	Resp:	124264
Ion	Ratio	Lower	Upper
117	100		
119	94.5	78.3	117.5
121	27.6	23.3	34.9



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V





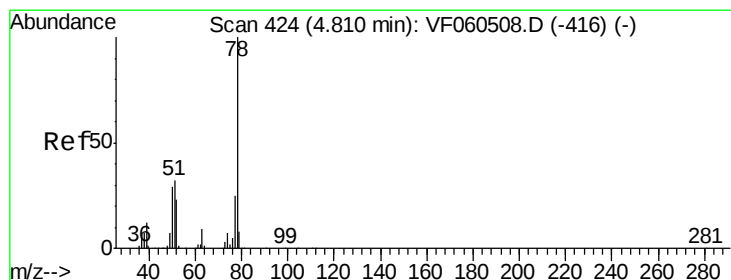
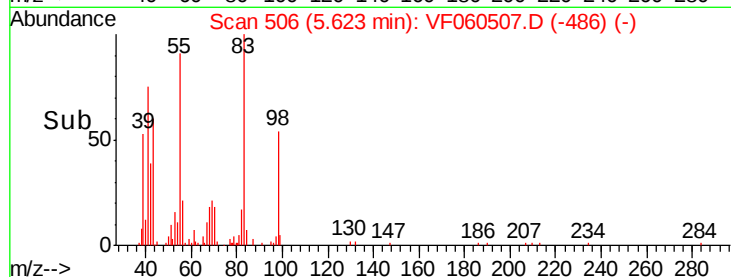
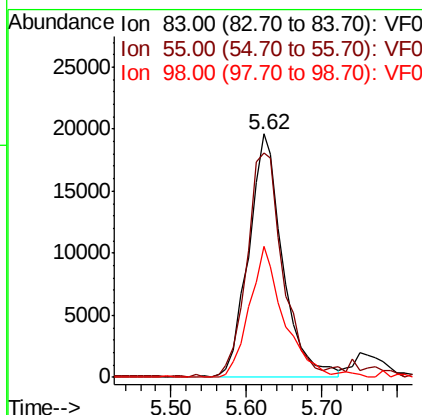
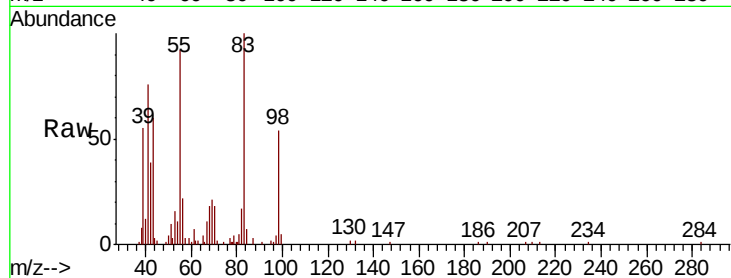
#39
Methvlcvclohexane
Concen: 22.047 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.01 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.0	87.9	131.9
98	53.7	37.0	55.6

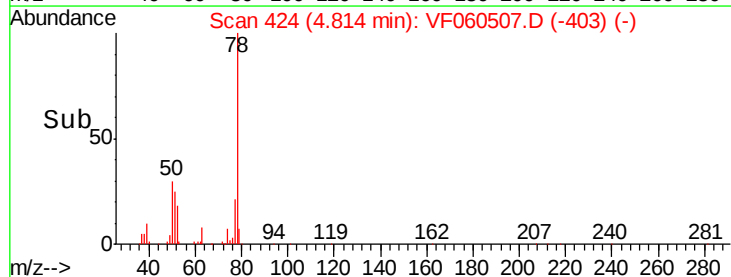
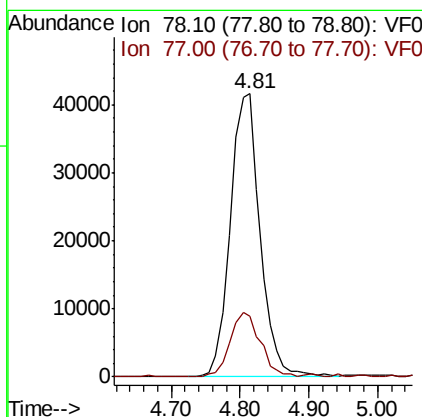
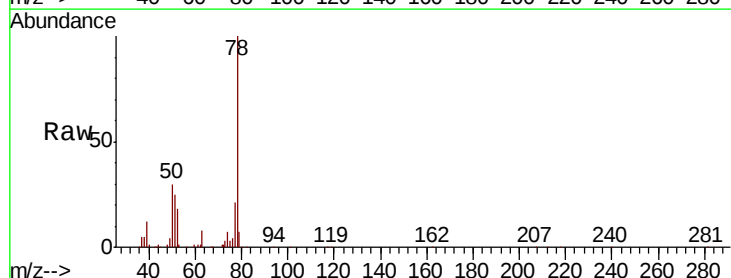
Manual Integrations
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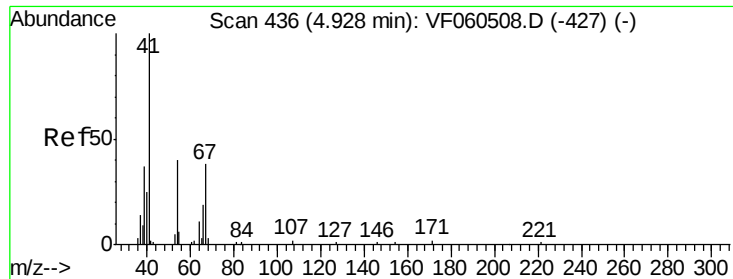
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#40
Benzene
Concen: 20.521 ug/l
RT: 4.81 min Scan# 424
Delta R.T. 0.00 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.4	20.2	30.4





#41

Methacrylonitrile

Concen: 22.290 ug/l

RT: 4.92 min Scan# 435

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

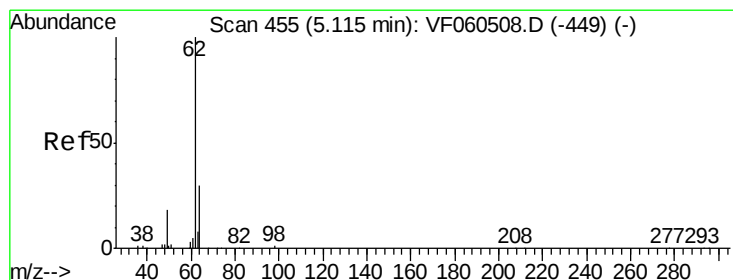
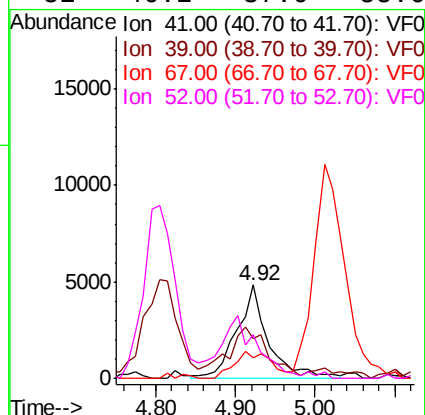
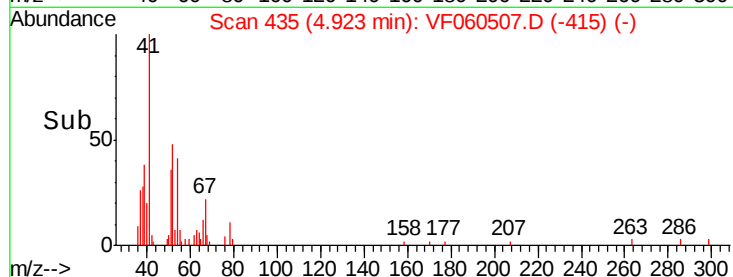
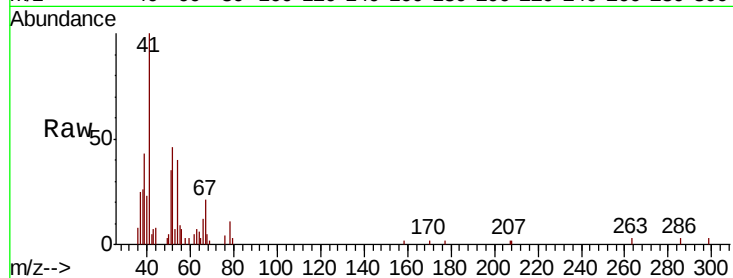
ClientSampleId :

VSTDIC020

Tot Ion:	41	Resp:	13270
Ion Ratio	Lower	Upper	
41	100		
39	43.2	55.2	82.8#
67	21.4	29.8	44.8#
52	46.2	37.0	55.6

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#42

1,2-Dichloroethane

Concen: 30.566 ug/l

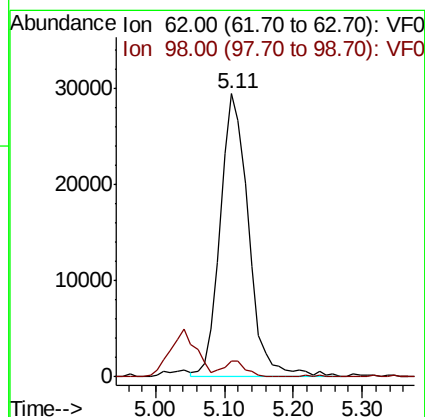
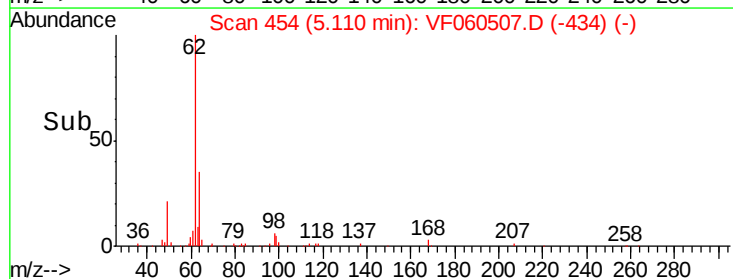
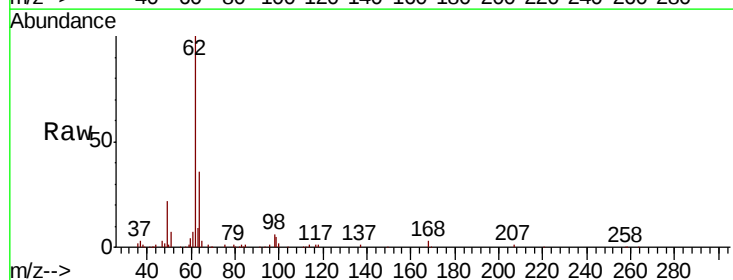
RT: 5.11 min Scan# 454

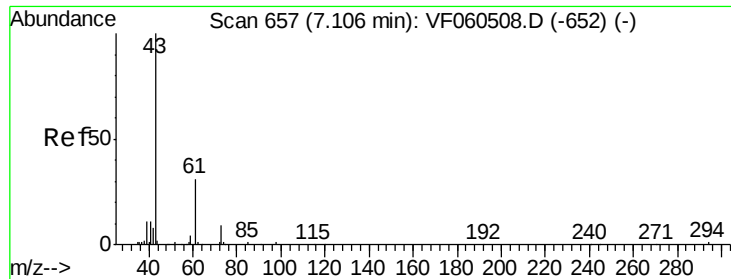
Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Tgt Ion:	62	Resp:	84456
Ion Ratio	Lower	Upper	
62	100		
98	5.7	0.0	9.4





#43

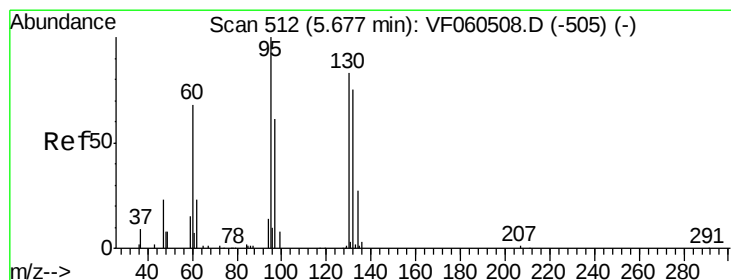
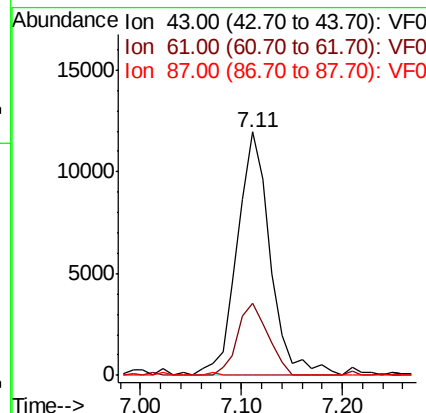
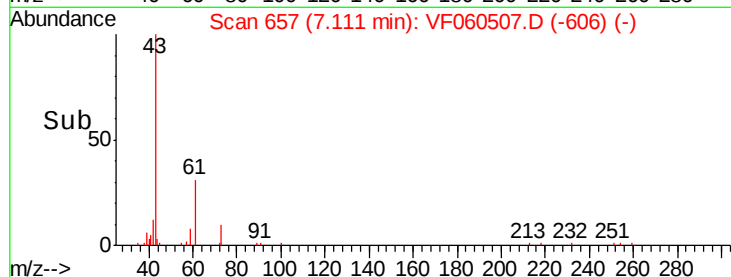
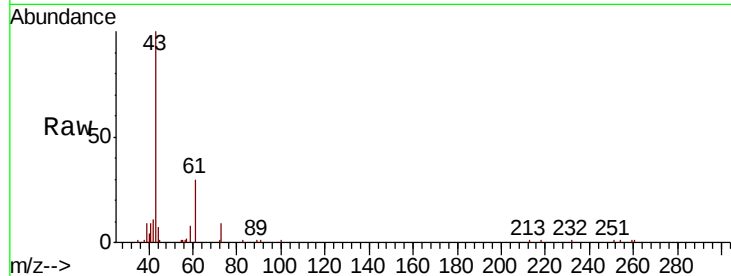
Isopropyl Acetate
 Concen: 20.845 ug/l
 RT: 7.11 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VF060507.D
 Acq: 25 Oct 2018 15:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.7	24.4	36.6
87	0.0	0.0	0.0

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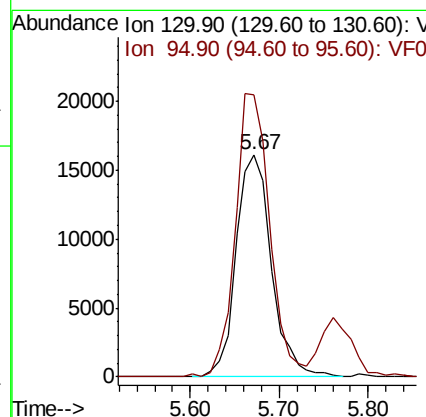
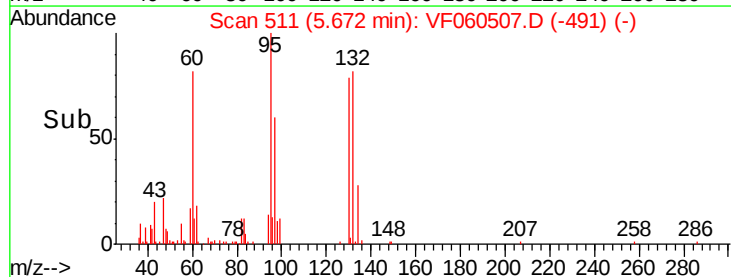
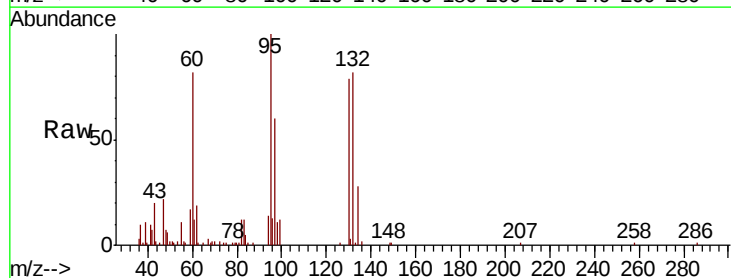
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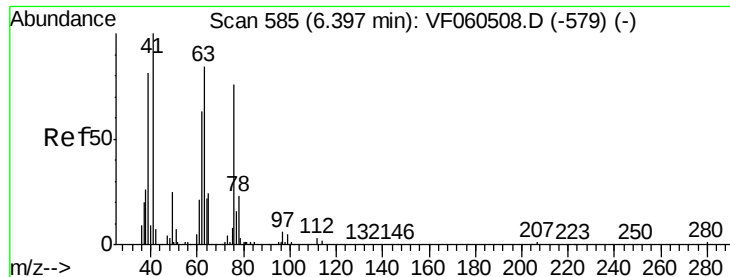


#44

Trichloroethene
 Concen: 23.546 ug/l
 RT: 5.67 min Scan# 511
 Delta R.T. -0.01 min
 Lab File: VF060507.D
 Acq: 25 Oct 2018 15:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	127.1	0.0	242.8





#45

1,2-Dichloropropane

Concen: 22.839 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 34052

Ion Ratio Lower Upper

63 100

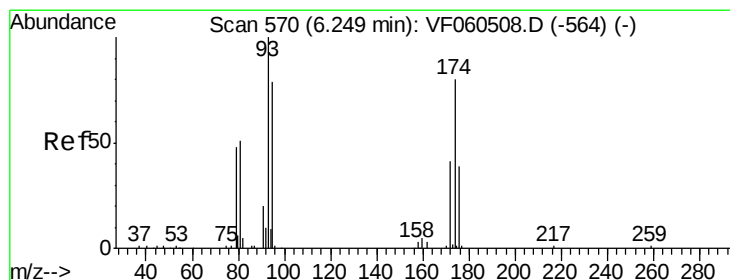
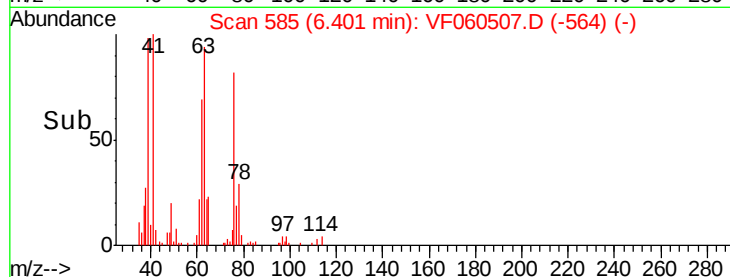
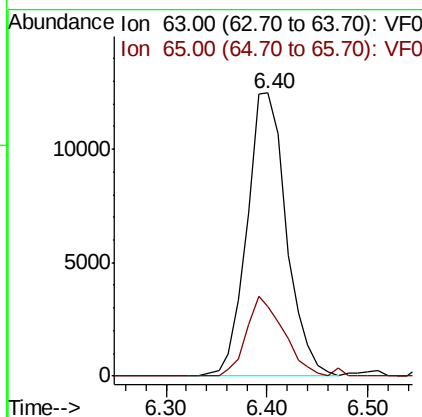
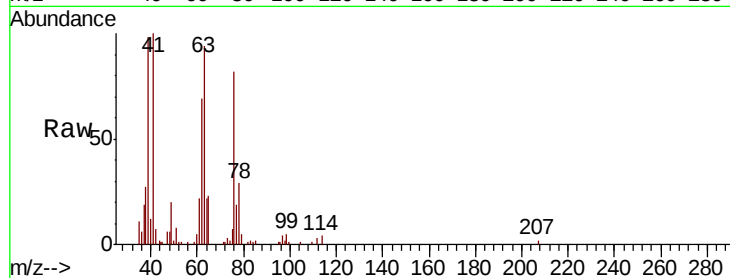
65 24.4 22.7 34.1

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#46

Dibromomethane

Concen: 24.211 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

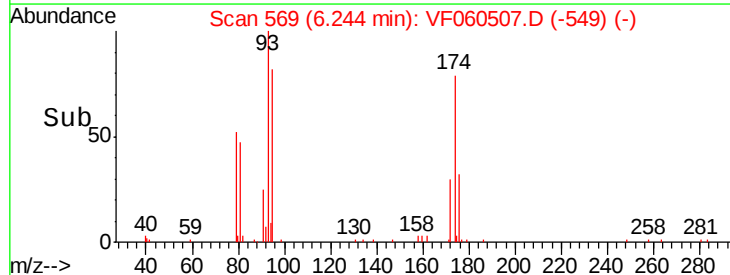
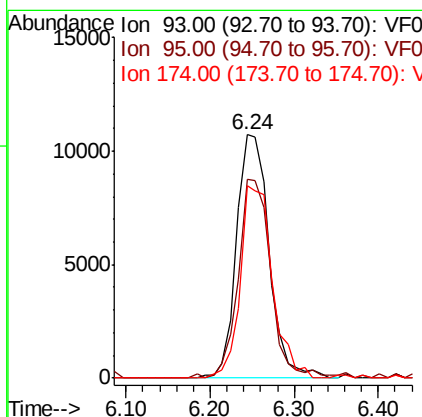
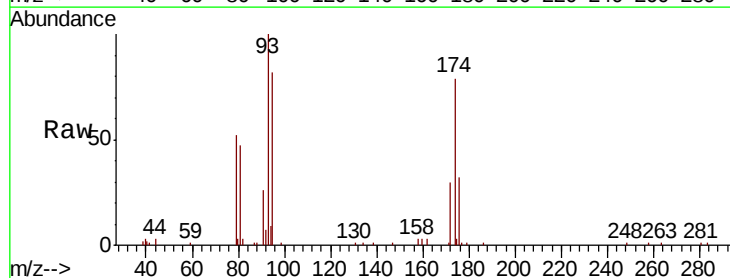
Tgt Ion: 93 Resp: 28956

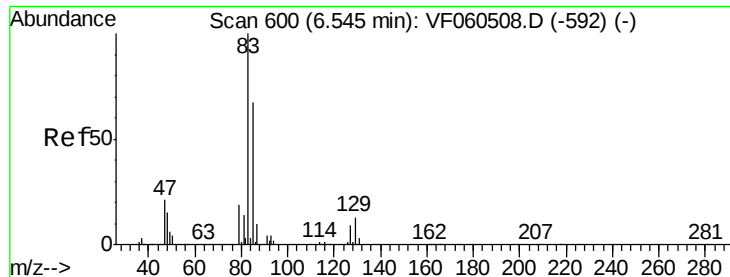
Ion Ratio Lower Upper

93 100

95 81.8 63.8 95.8

174 82.0 64.9 97.3





#47

Bromodichloromethane

Concen: 28.715 ug/l

RT: 6.55 min Scan# 600

Delta R.T. 0.00 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

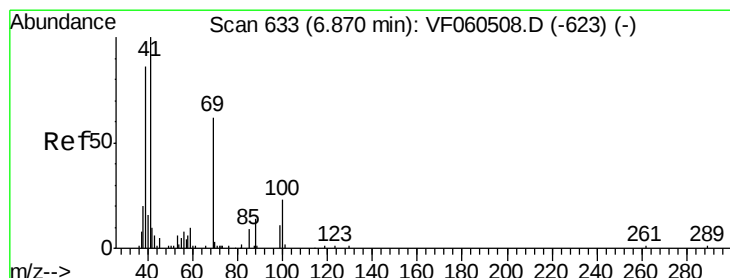
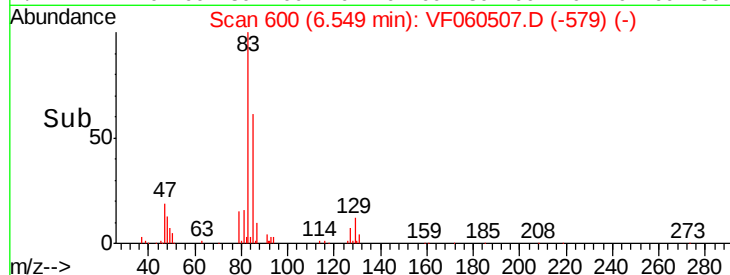
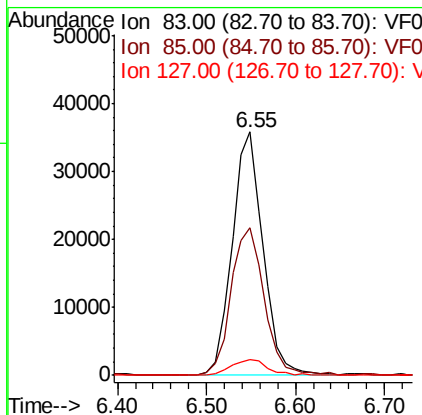
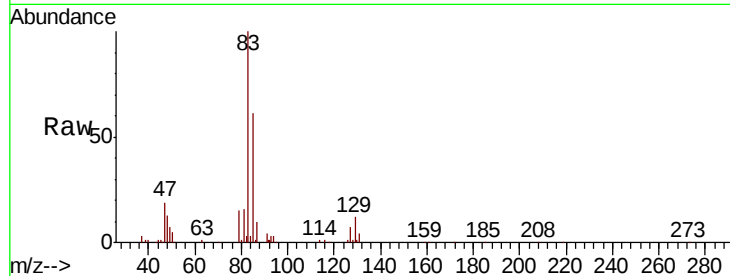
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	86734
Ion Ratio	Lower	Upper	
83	100		
85	60.6	53.4	80.0
127	6.7	6.9	10.3#

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#48

Methyl methacrylate

Concen: 22.793 ug/l

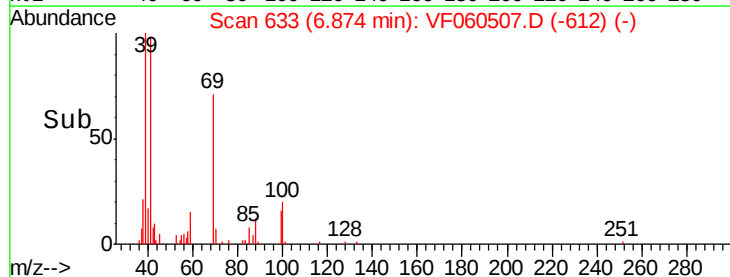
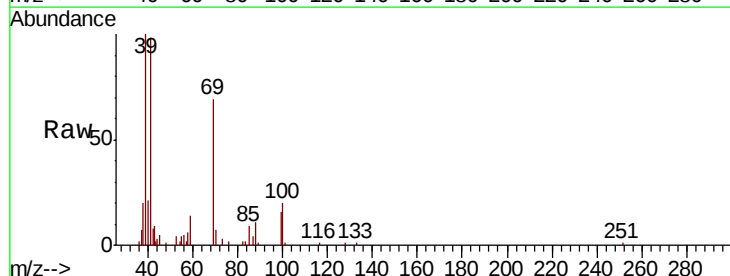
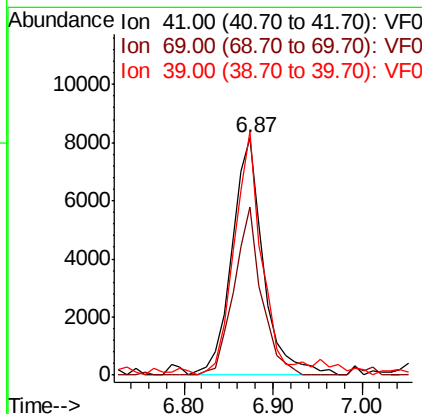
RT: 6.87 min Scan# 633

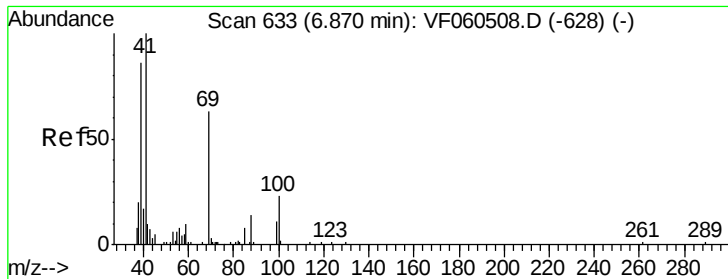
Delta R.T. 0.00 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Tgt Ion:	41	Resp:	20164
Ion Ratio	Lower	Upper	
41	100		
69	71.1	49.6	74.4
39	102.5	69.4	104.2





#49

1,4-Dioxane

Concen: 492.423 ug/l

RT: 6.86 min Scan# 632

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

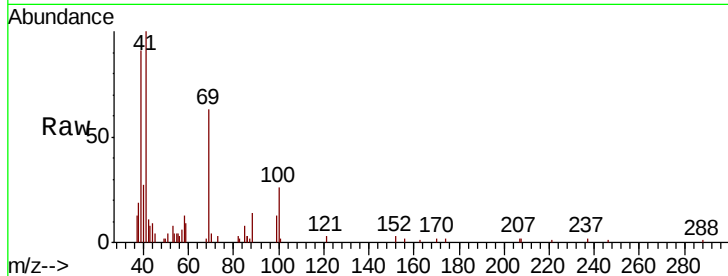
ClientSampleId :

VSTDIC020

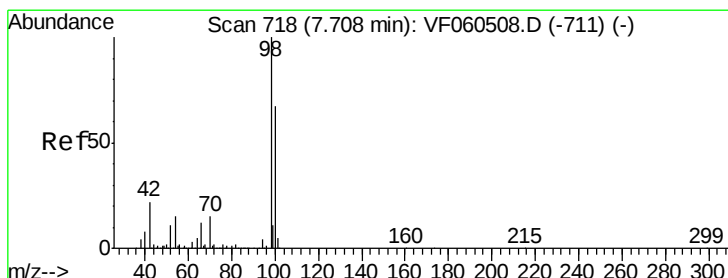
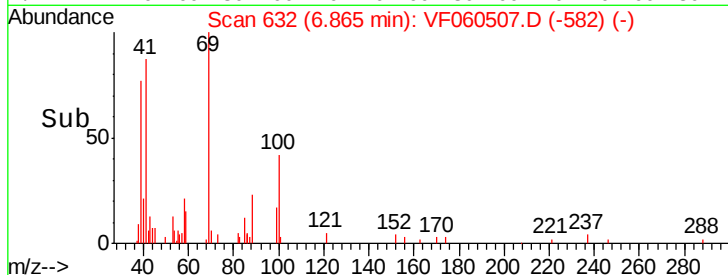
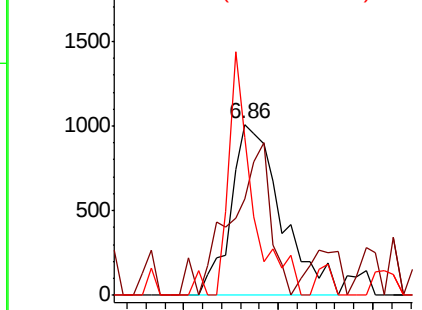
Tot Ion:	88	Resp:	3745
Ion	Ratio	Lower	Upper
88	100		
43	56.2	39.3	58.9
58	92.4	35.0	52.6#

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Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 21.325 ug/l

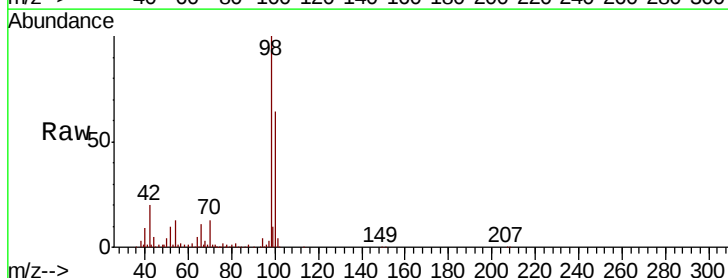
RT: 7.70 min Scan# 717

Delta R.T. -0.01 min

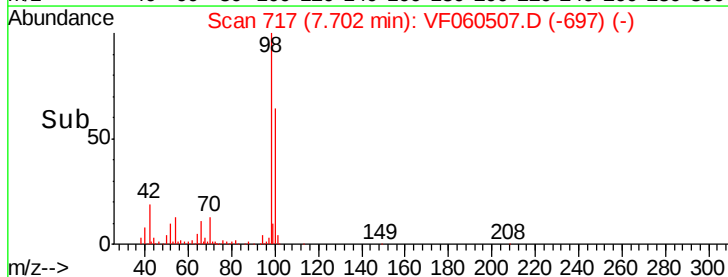
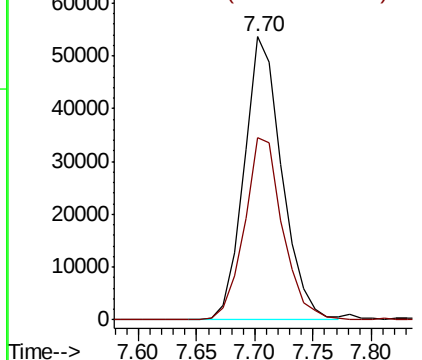
Lab File: VF060507.D

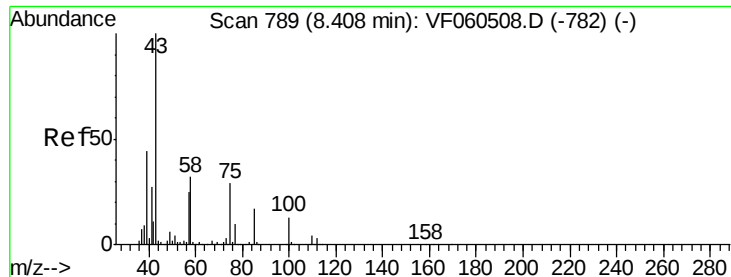
Acq: 25 Oct 2018 15:05

Tgt Ion:	98	Resp:	120325
Ion	Ratio	Lower	Upper
98	100		
100	64.2	53.4	80.0



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 111.791 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 101842

Ion Ratio Lower Upper

43 100

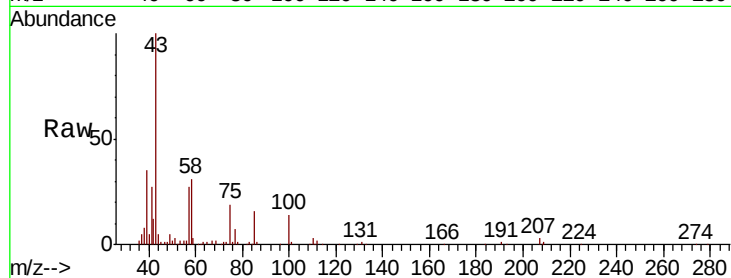
58 31.3 25.4 38.2

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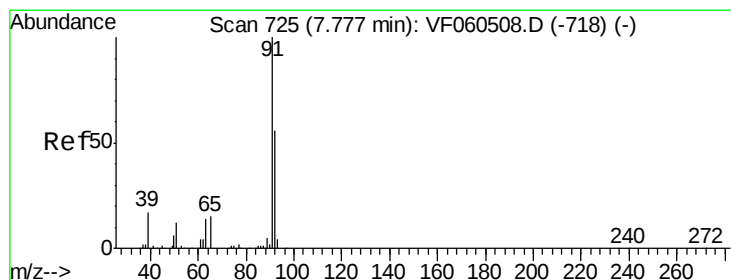
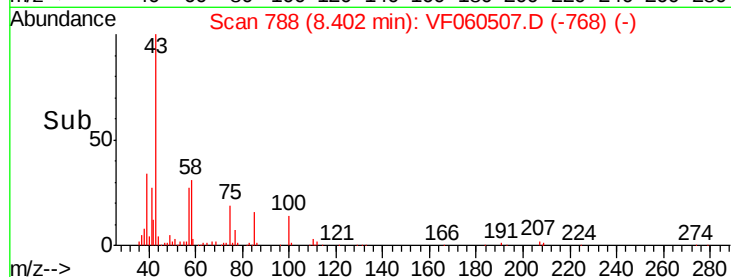
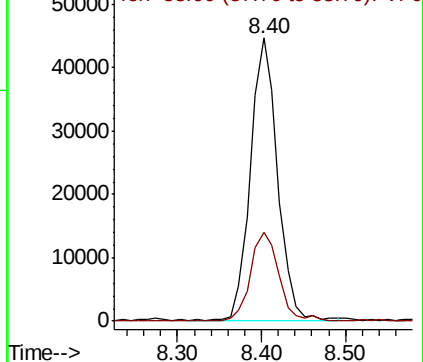
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 22.741 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.00 min

Lab File: VF060507.D

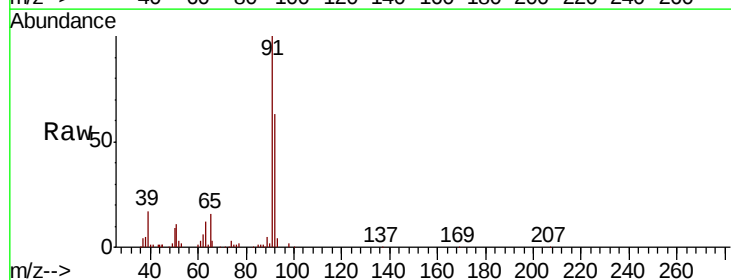
Acq: 25 Oct 2018 15:05

Tgt Ion: 92 Resp: 87231

Ion Ratio Lower Upper

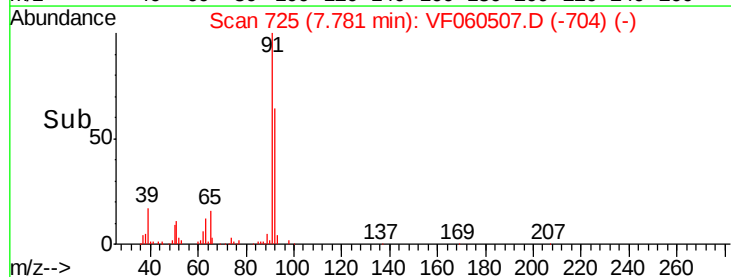
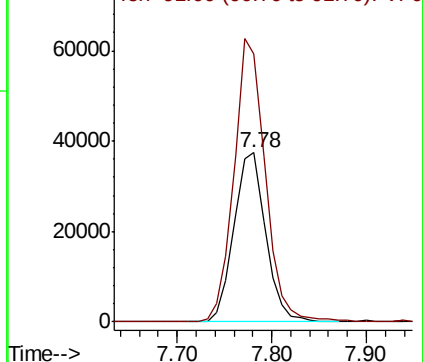
92 100

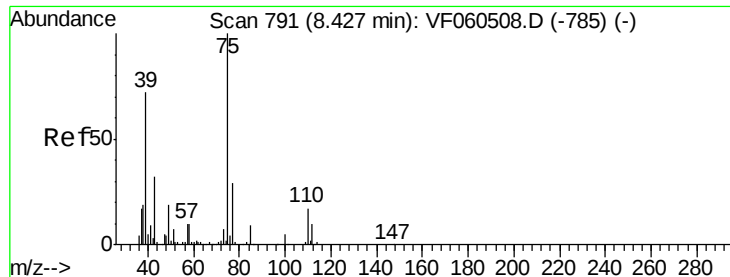
91 158.3 143.8 215.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 27.487 ug/l

RT: 8.42 min Scan# 790

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 75 Resp: 64480

Ion Ratio Lower Upper

75 100

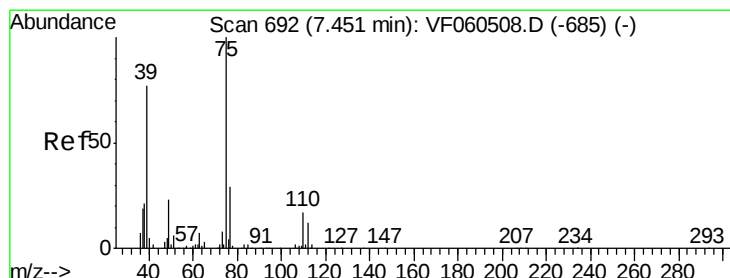
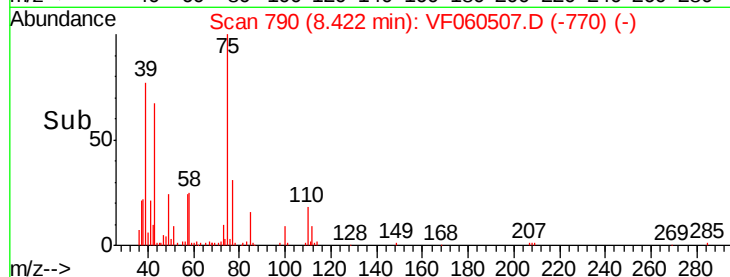
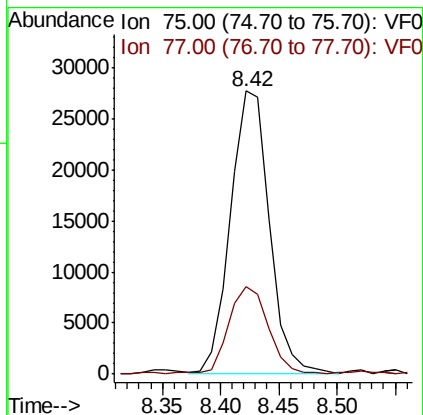
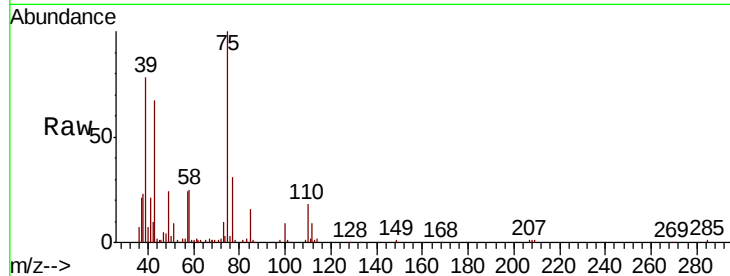
77 31.0 23.7 35.5

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#54

cis-1,3-Dichloropropene

Concen: 23.858 ug/l

RT: 7.46 min Scan# 692

Delta R.T. 0.00 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

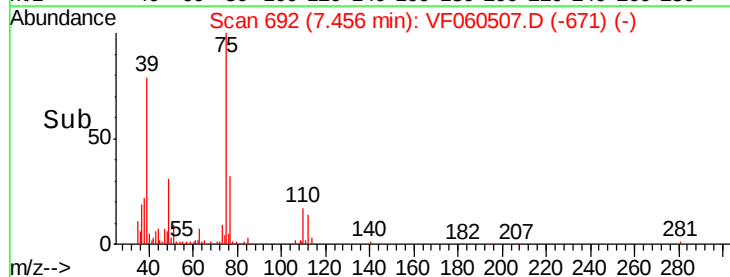
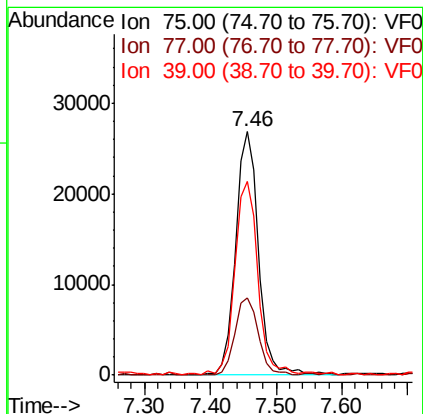
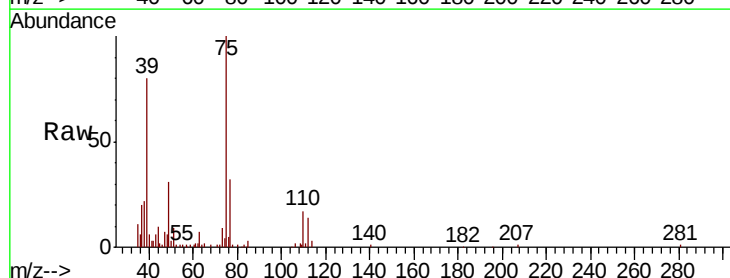
Tgt Ion: 75 Resp: 65185

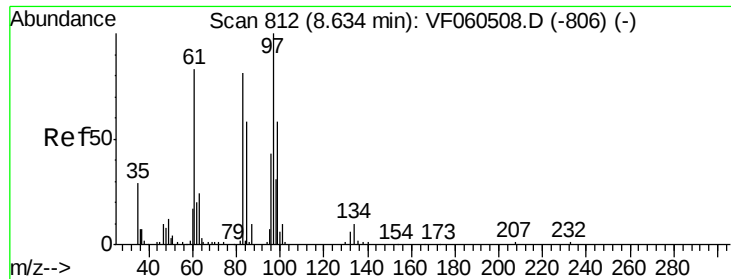
Ion Ratio Lower Upper

75 100

77 31.7 23.6 35.4

39 79.6 61.6 92.4





#55

1,1,2-Trichloroethane

Concen: 23.192 ug/l

RT: 8.64 min Scan# 812

Delta R.T. 0.00 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

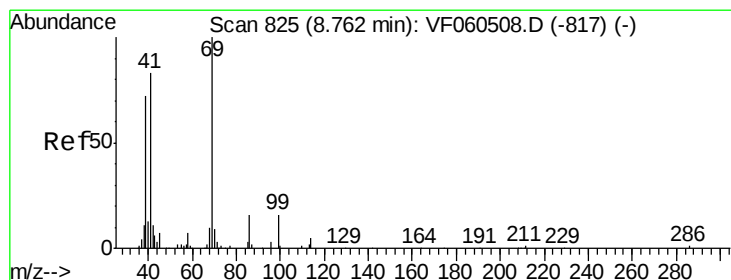
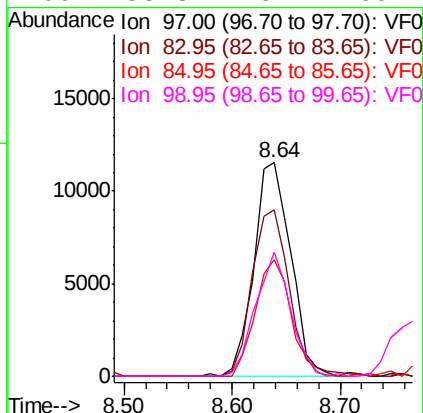
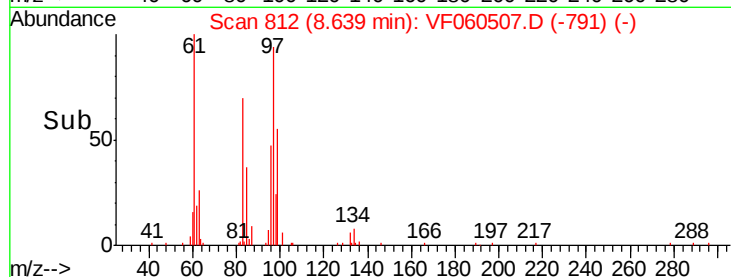
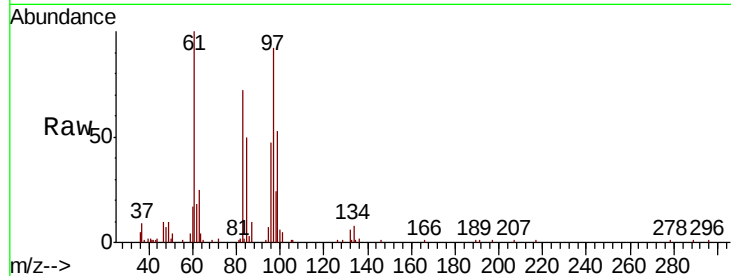
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	27341
Ion	Ratio	Lower	Upper
97	100		
83	78.0	65.0	97.4
85	54.4	47.0	70.6
99	58.3	46.2	69.4

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#56

Ethyl methacrylate

Concen: 19.781 ug/l

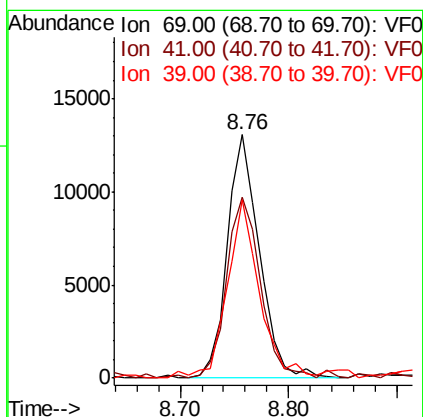
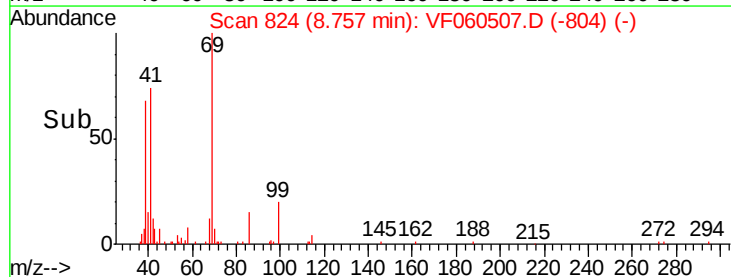
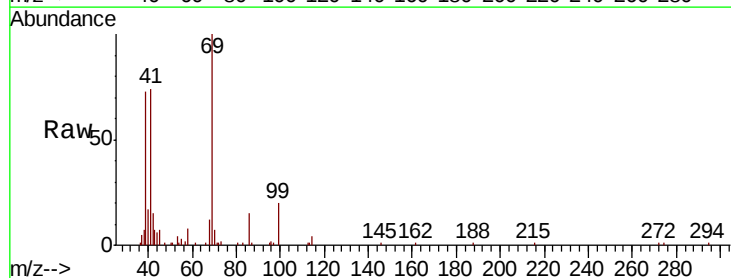
RT: 8.76 min Scan# 824

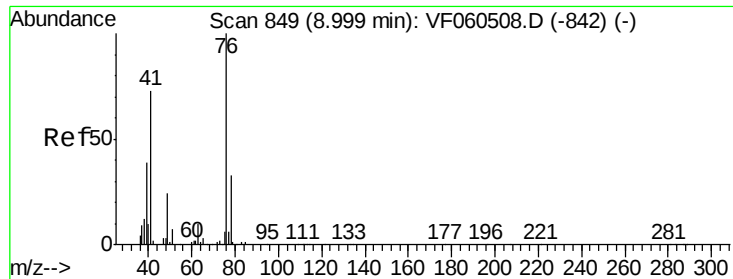
Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Tgt Ion:	69	Resp:	26981
Ion	Ratio	Lower	Upper
69	100		
41	74.5	67.2	100.8
39	73.0	58.4	87.6





#57

1,3-Dichloropropane

Concen: 23.447 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.00 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 47596

Ion Ratio Lower Upper

76 100

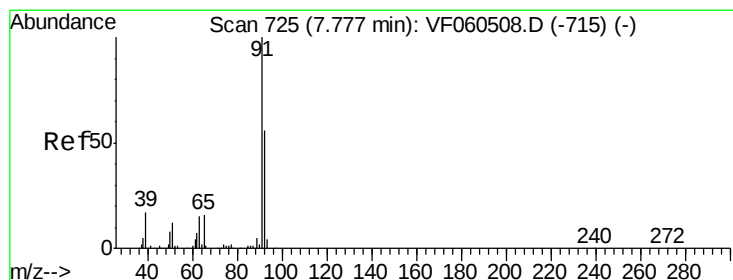
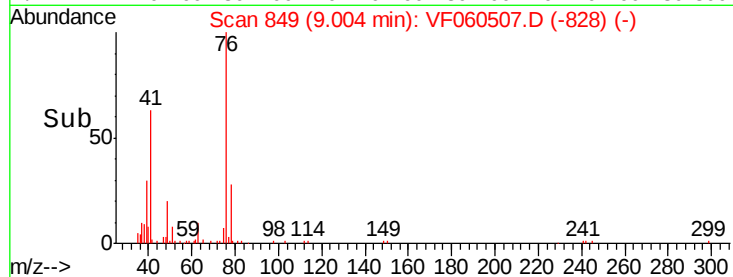
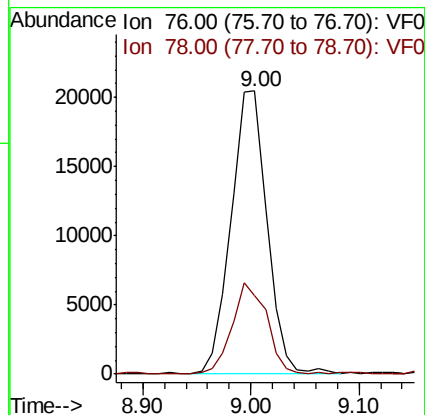
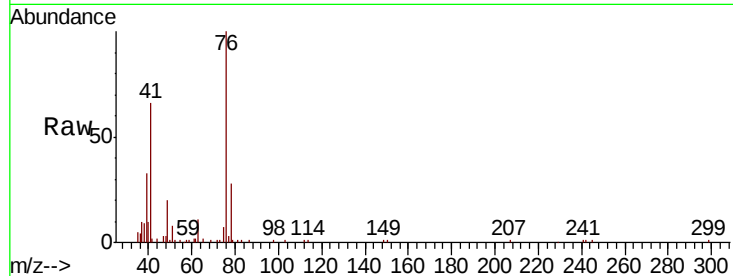
78 27.8 26.6 40.0

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#58

2-Chloroethyl Vinyl ether

Concen: 138.904 ug/l

RT: 7.77 min Scan# 724

Delta R.T. -0.01 min

Lab File: VF060507.D

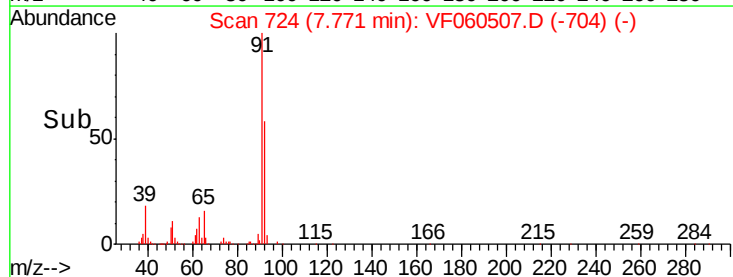
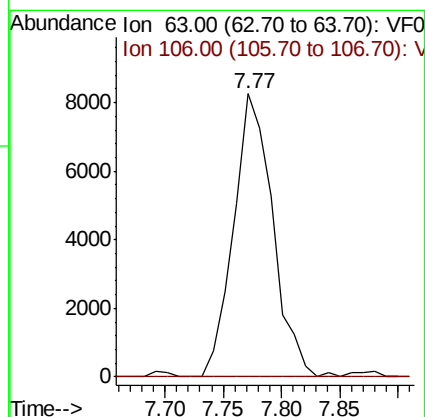
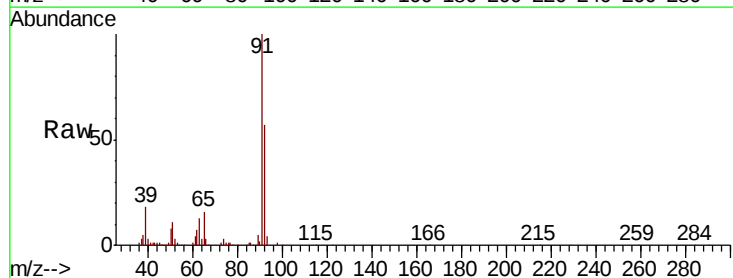
Acq: 25 Oct 2018 15:05

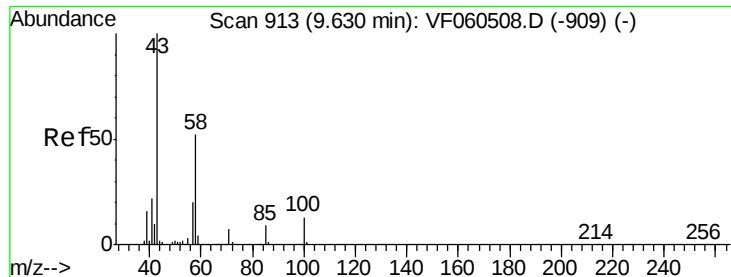
Tgt Ion: 63 Resp: 19253

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





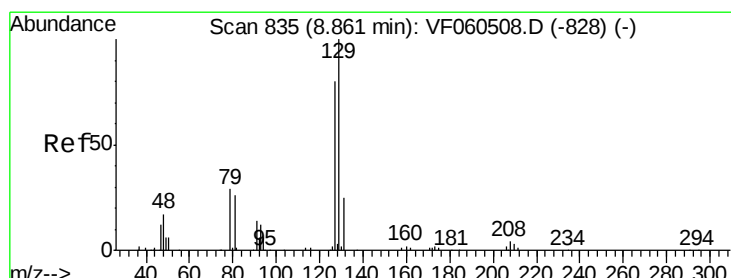
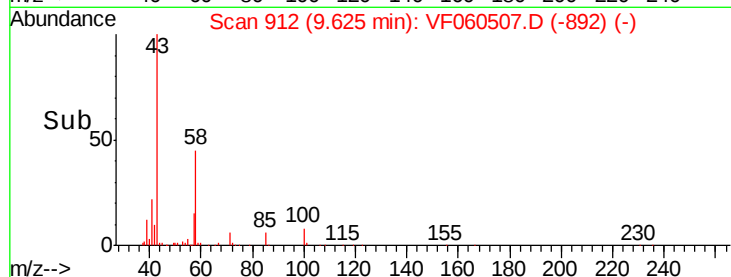
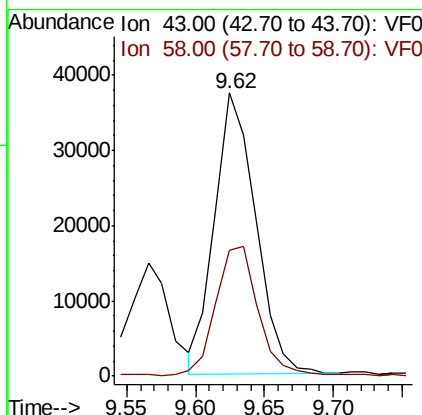
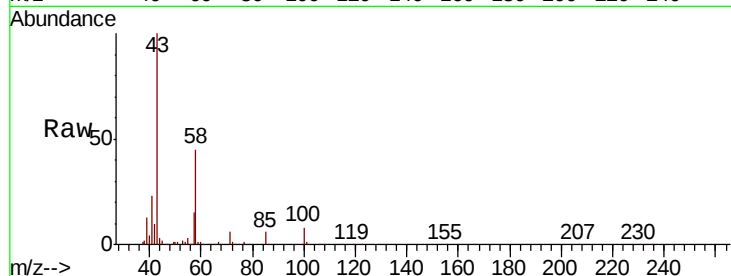
#59
2-Hexanone
Concen: 117.559 ug/l
RT: 9.62 min Scan# 912
Delta R.T. -0.01 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	43	Resp	77467
Ion Ratio	100	Lower	Upper
43	100		
58	44.5	23.5	70.5

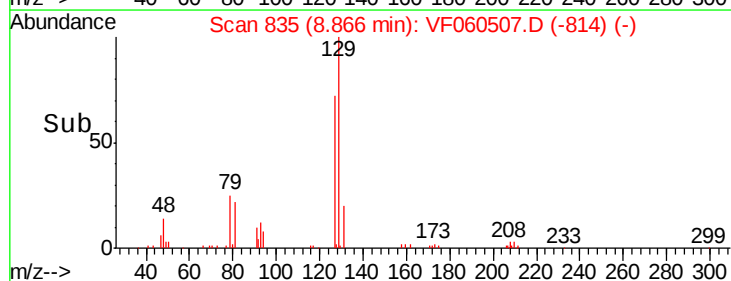
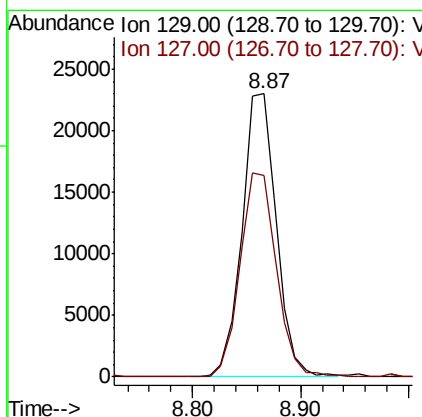
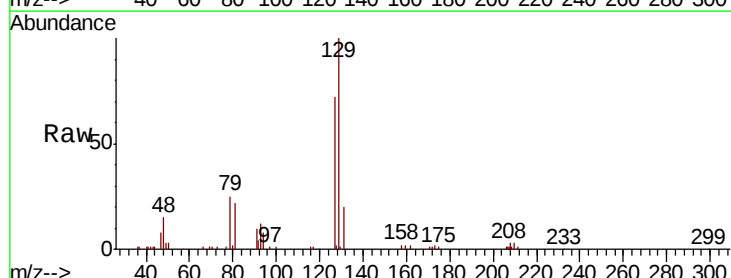
Manual Integrations
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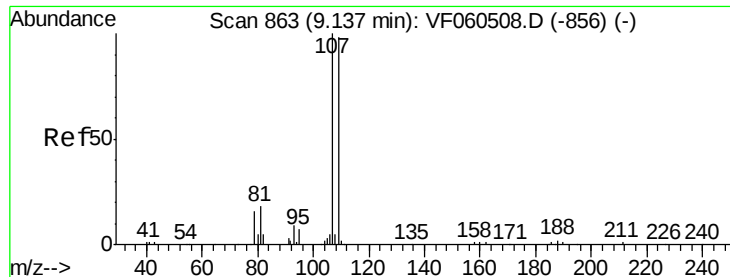
apatel
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#60
Dibromochloromethane
Concen: 27.451 ug/l
RT: 8.87 min Scan# 835
Delta R.T. 0.00 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Tgt Ion	129	Resp	50798
Ion Ratio	100	Lower	Upper
129	100		
127	71.1	40.2	120.5





#61

1,2-Dibromoethane

Concen: 22.440 ug/l

RT: 9.13 min Scan# 862

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 29890

Ion Ratio Lower Upper

107 100

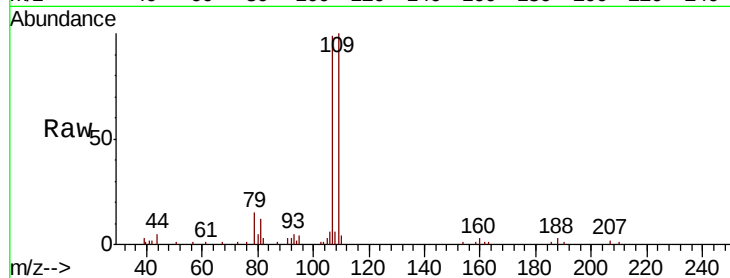
109 101.1 78.6 118.0

Manual Integrations

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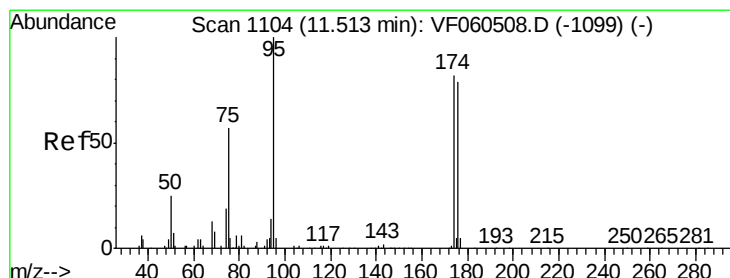
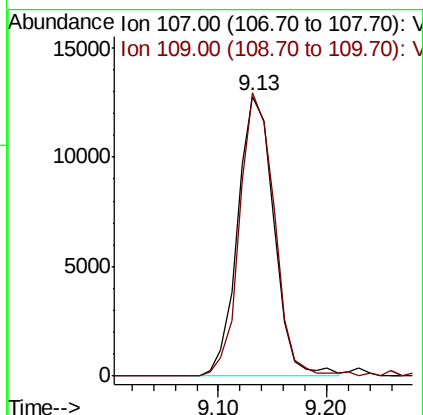
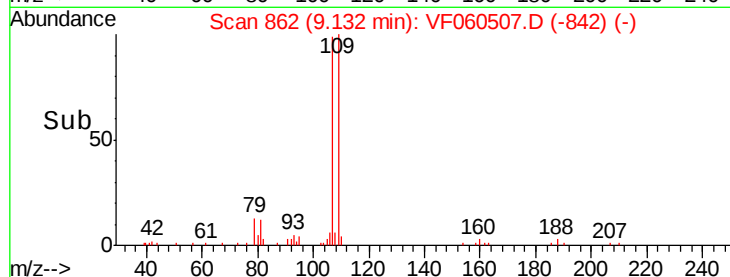
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 27.189 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

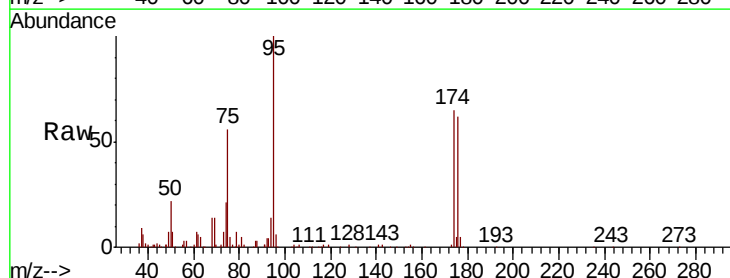
Tgt Ion: 95 Resp: 67310

Ion Ratio Lower Upper

95 100

174 64.6 0.0 164.2

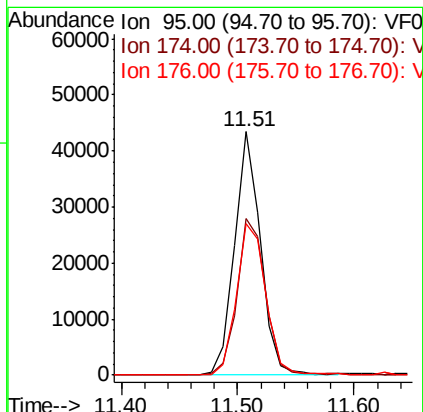
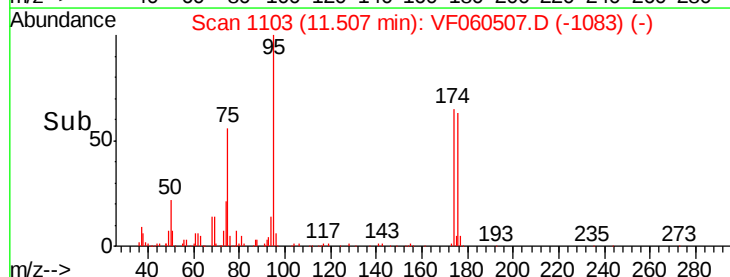
176 62.4 0.0 158.4

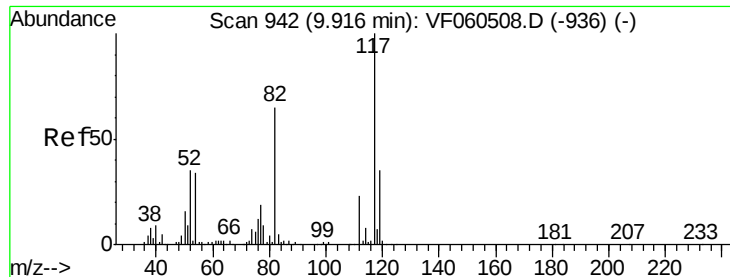


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





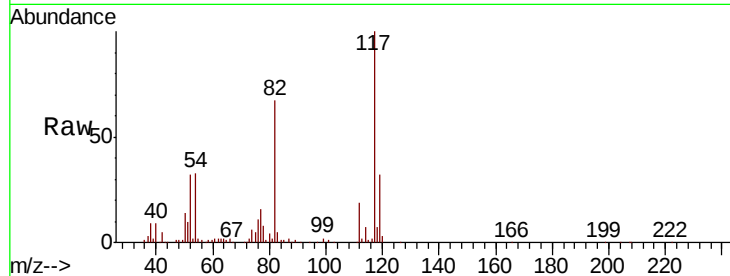
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.3	51.7	77.5
119	32.1	28.3	42.5

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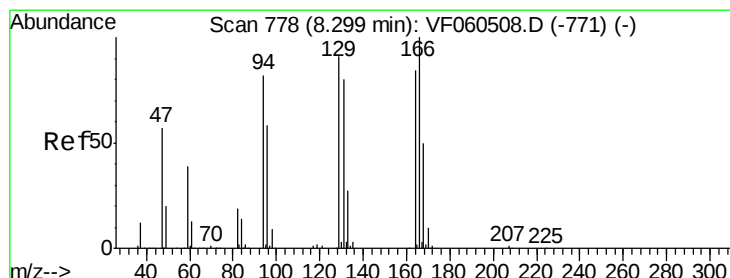
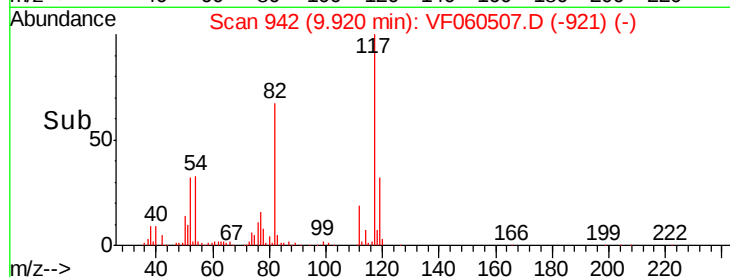
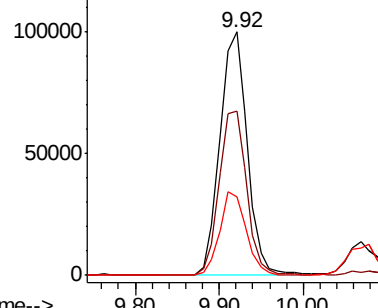


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 23.191 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	140.1	95.1	142.7
129	110.5	86.3	129.5
131	108.7	76.5	114.7

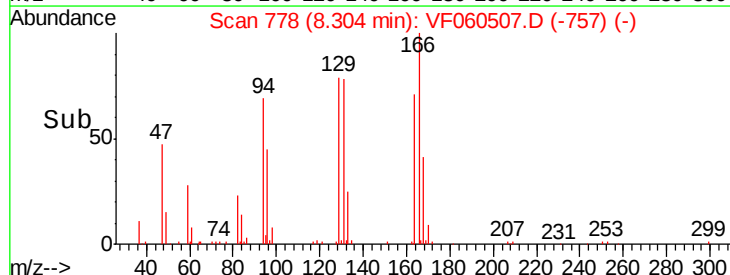
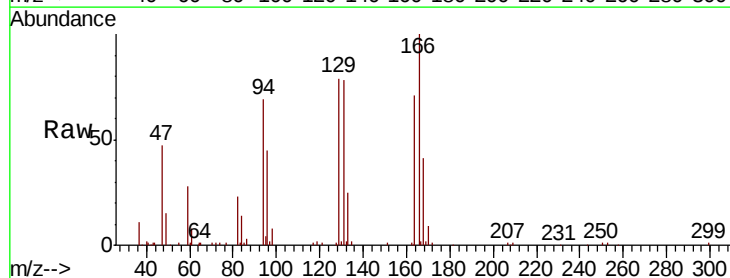
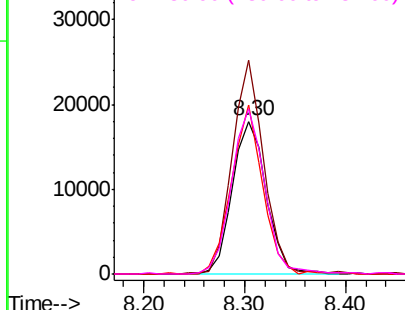
Abundance

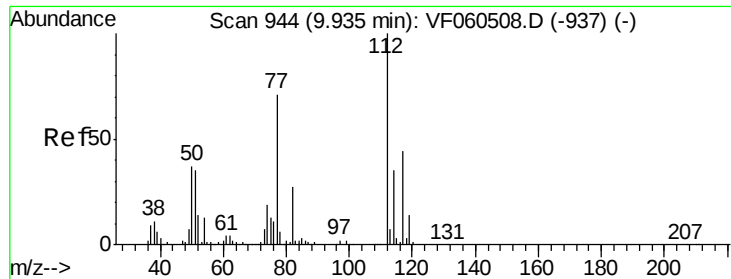
Ion 163.85 (163.55 to 164.55): V

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





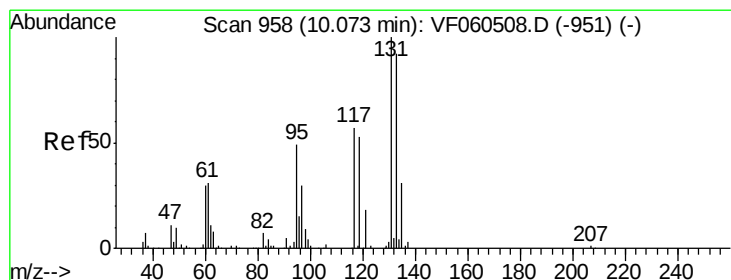
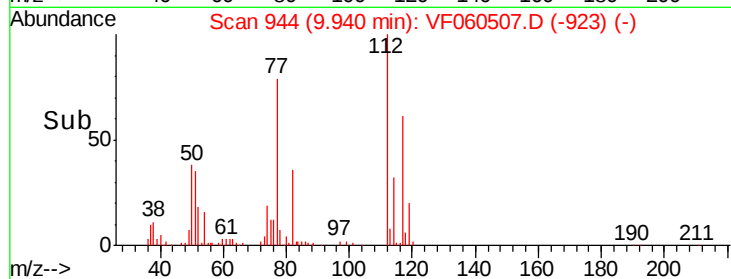
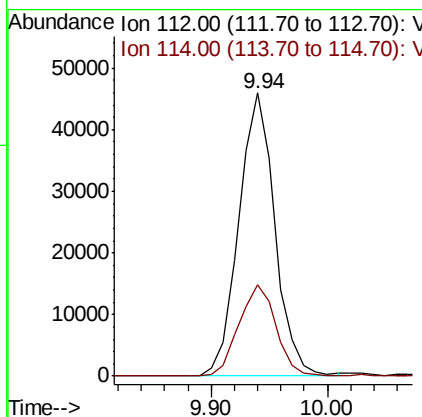
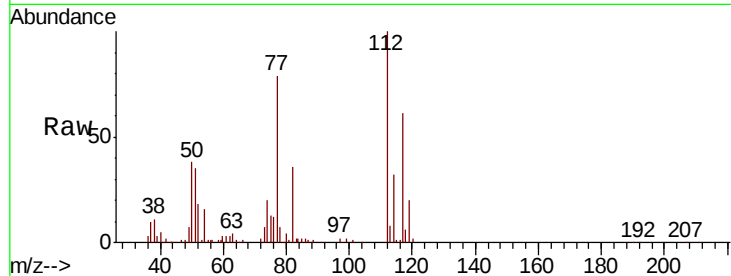
#65
Chlorobenzene
Concen: 22.210 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.00 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 98440
Ion Ratio Lower Upper
112 100
114 32.3 27.7 41.5

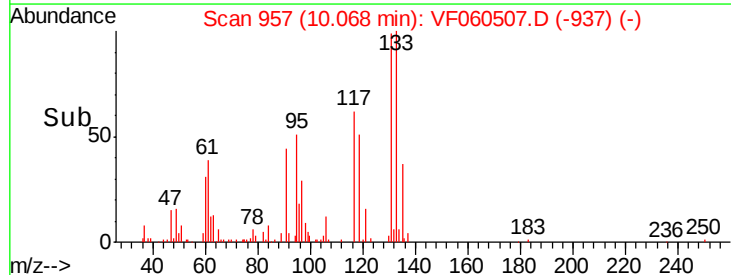
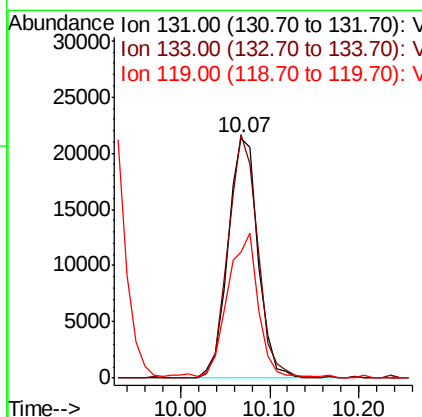
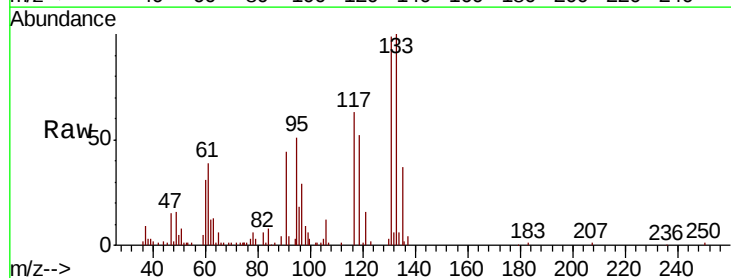
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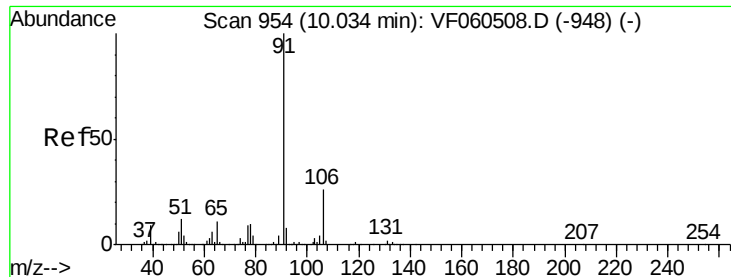
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 25.382 ug/l
RT: 10.07 min Scan# 957
Delta R.T. -0.01 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Tgt Ion:131 Resp: 50676
Ion Ratio Lower Upper
131 100
133 101.4 46.1 138.2
119 52.5 27.0 80.8





#67

Ethyl Benzene

Concen: 25.037 ug/l

RT: 10.04 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 209370

Ion Ratio Lower Upper

91 100

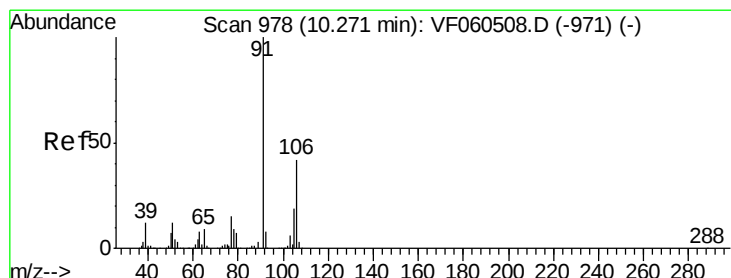
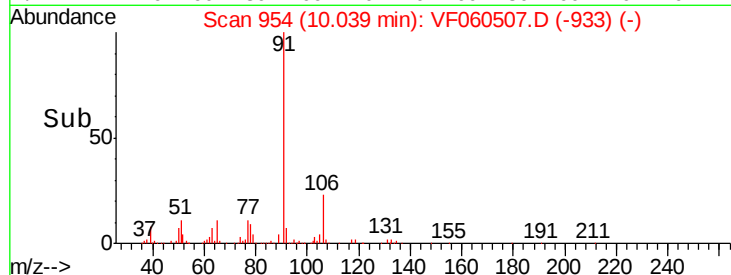
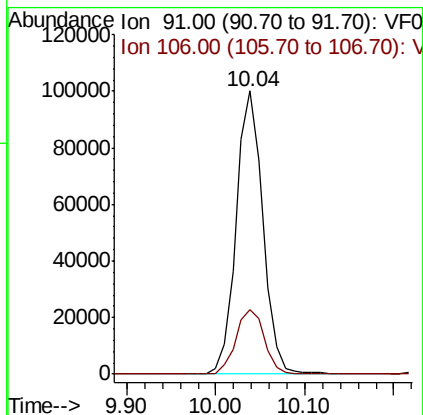
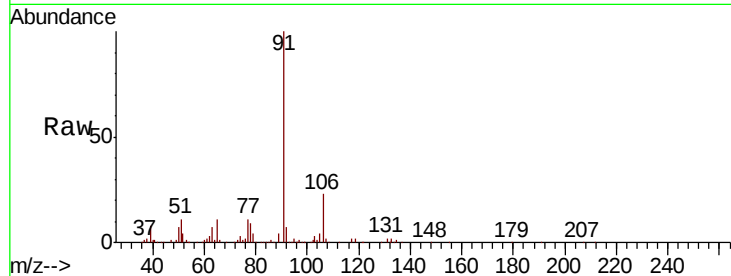
106 22.8 20.7 31.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 46.022 ug/l

RT: 10.27 min Scan# 977

Delta R.T. -0.01 min

Lab File: VF060507.D

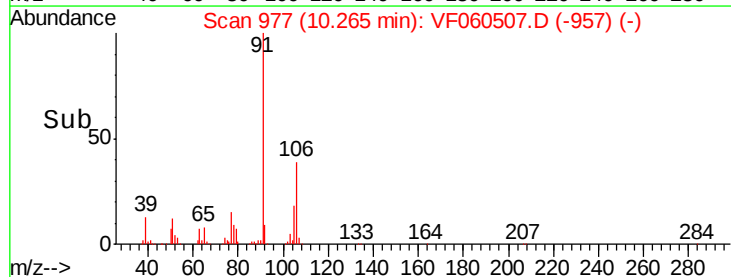
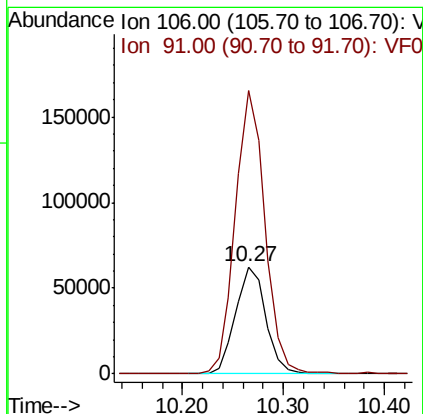
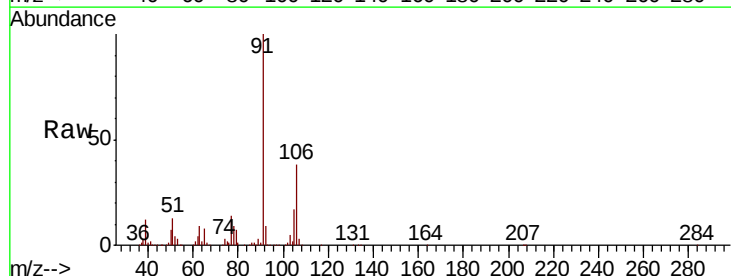
Acq: 25 Oct 2018 15:05

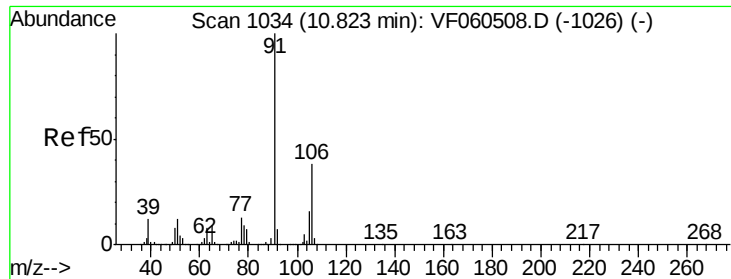
Tgt Ion: 106 Resp: 131375

Ion Ratio Lower Upper

106 100

91 263.7 192.5 288.7





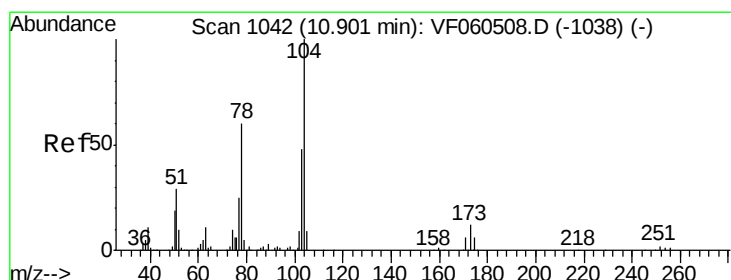
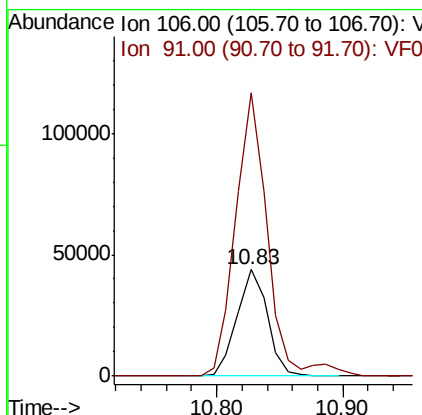
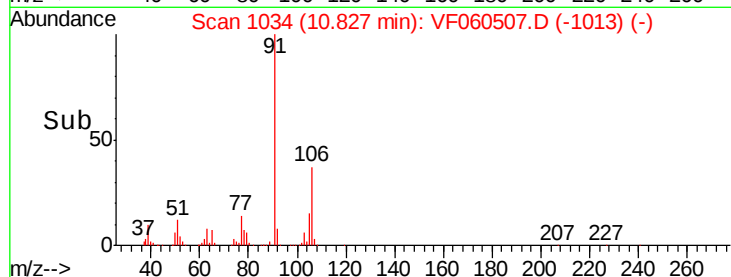
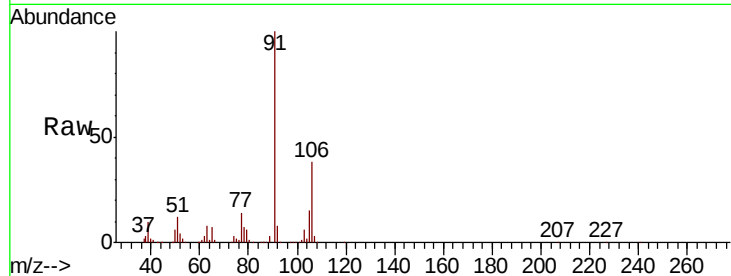
#69
o-Xylene
Concen: 23.816 ug/l
RT: 10.83 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Instrument :
MSVOA_F
ClientSampled :
VSTDIC020

Tot Ion:106 Resp: 73933
Ion Ratio Lower Upper
106 100
91 266.3 130.9 392.7

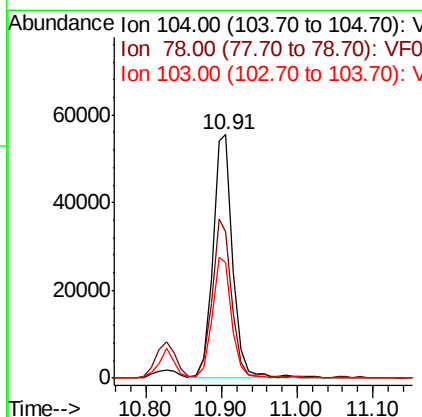
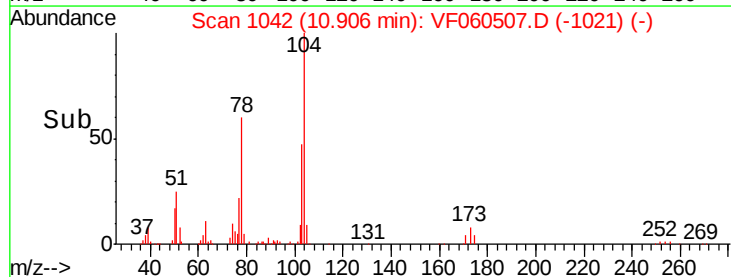
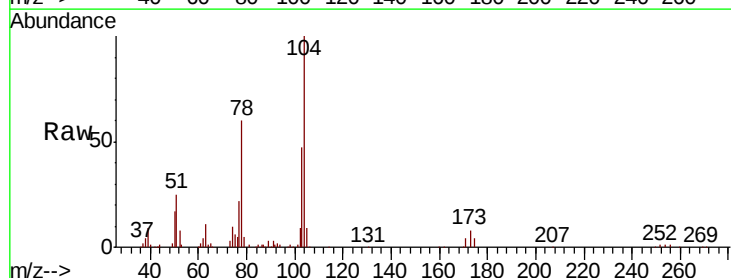
Manual Integrations
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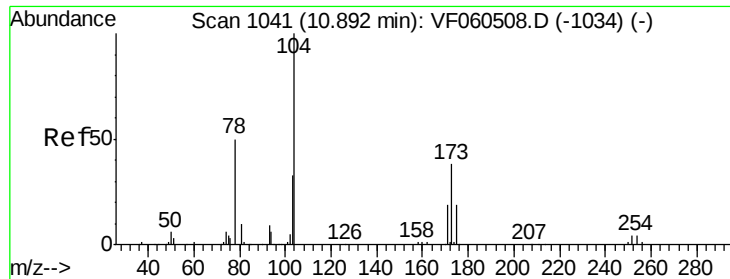
apatel
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#70
Styrene
Concen: 23.162 ug/l
RT: 10.91 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Tgt Ion:104 Resp: 103502
Ion Ratio Lower Upper
104 100
78 60.3 48.7 73.1
103 47.3 38.8 58.2





#71

Bromoform

Concen: 27.023 ug/l

RT: 10.89 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 27353

Ion Ratio Lower Upper

173 100

175 52.9 25.5 76.5

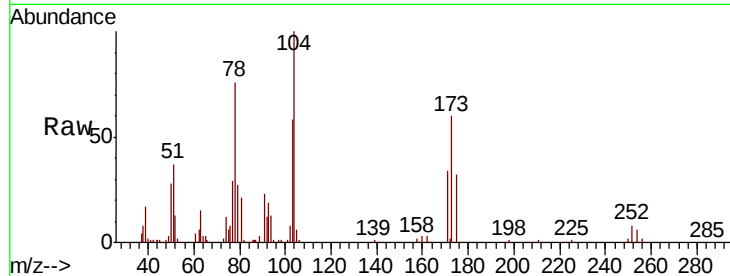
254 0.0 0.0 0.0

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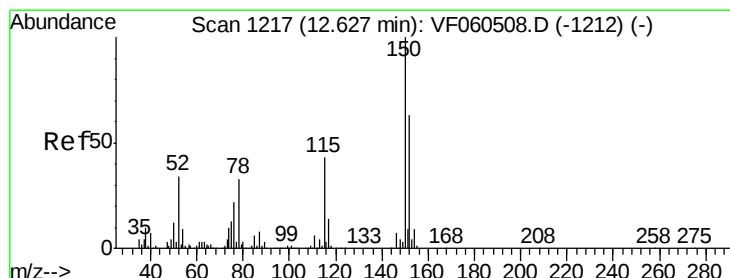
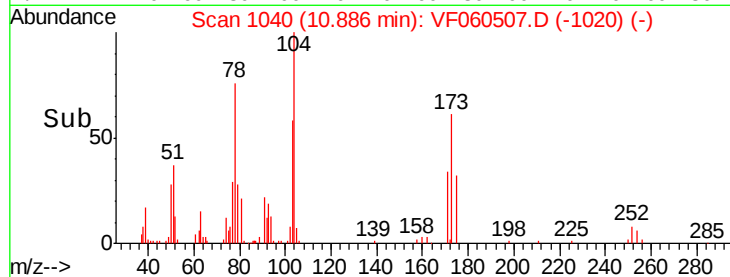
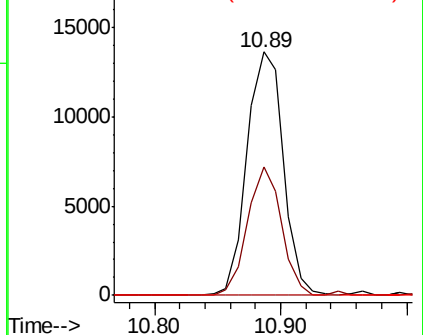
10/26/2018 10:27:42 AM



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: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

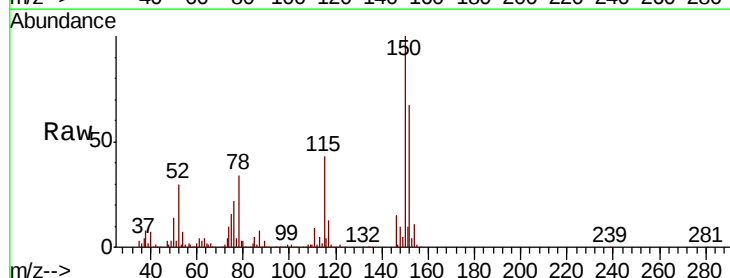
Tgt Ion:152 Resp: 149915

Ion Ratio Lower Upper

152 100

115 64.8 34.6 103.9

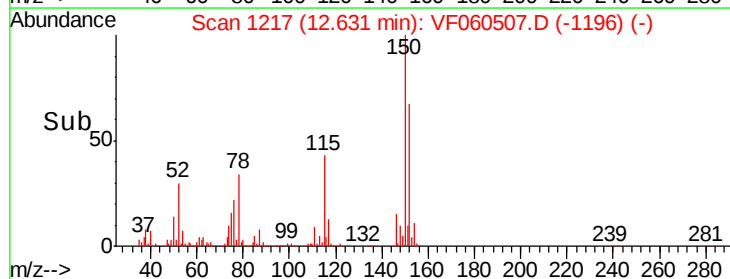
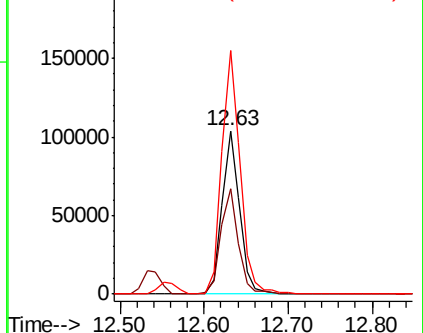
150 148.9 0.0 319.8

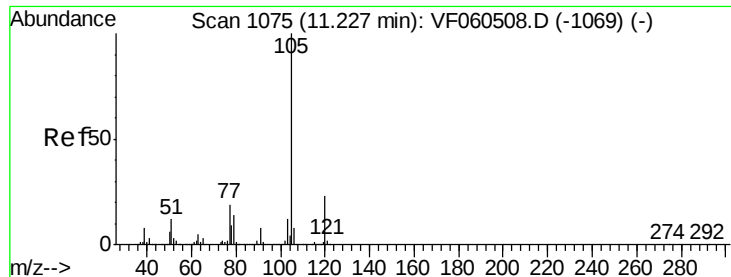


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 23.947 ug/l

RT: 11.22 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 266854

Ion Ratio Lower Upper

105 100

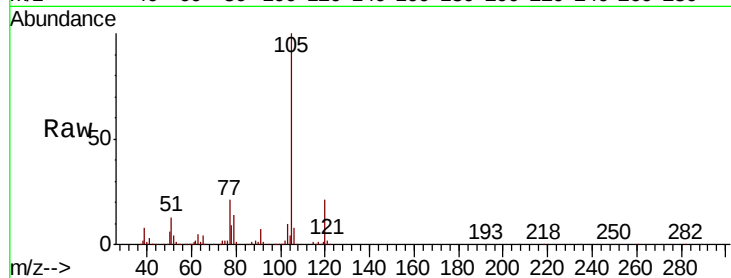
120 20.8 11.6 34.7

Manual Integrations

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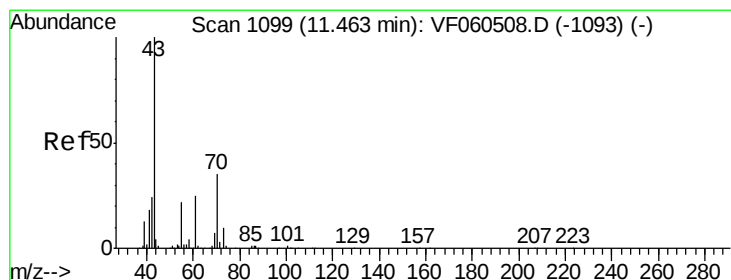
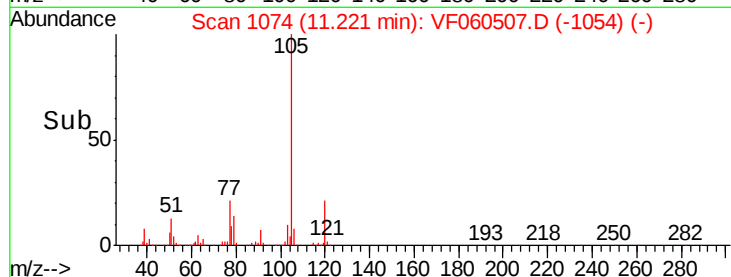
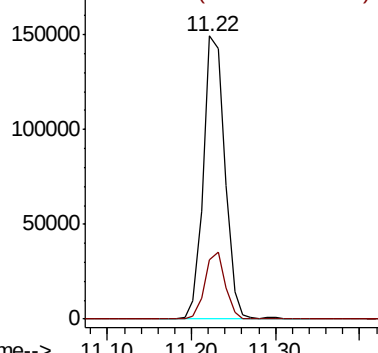
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.109 ug/l

RT: 11.47 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Tgt Ion: 43 Resp: 43925

Ion Ratio Lower Upper

43 100

70 39.8 28.2 42.2

55 20.6 17.9 26.9

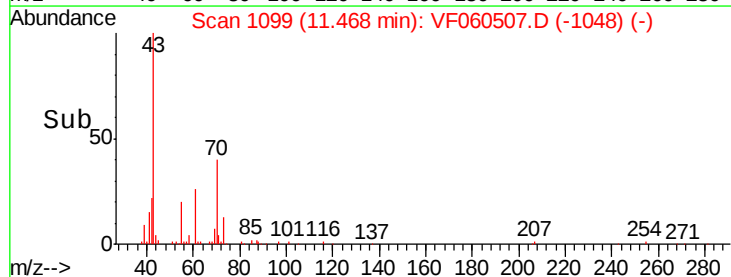
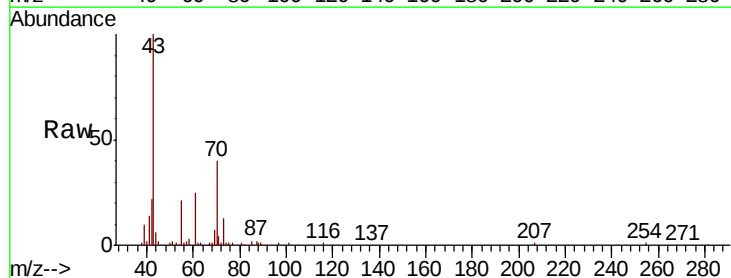
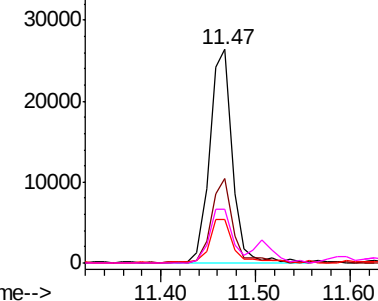
61 25.5 19.9 29.9

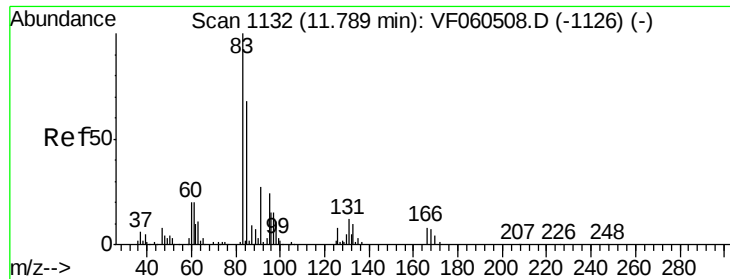
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 18.473 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

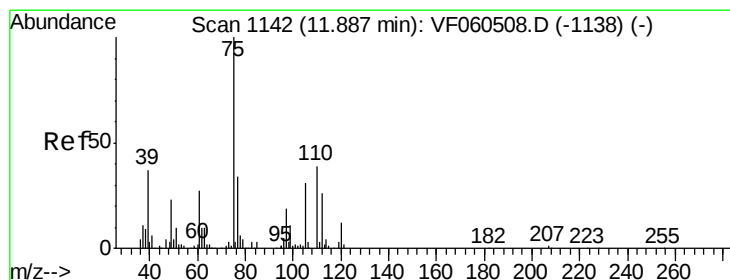
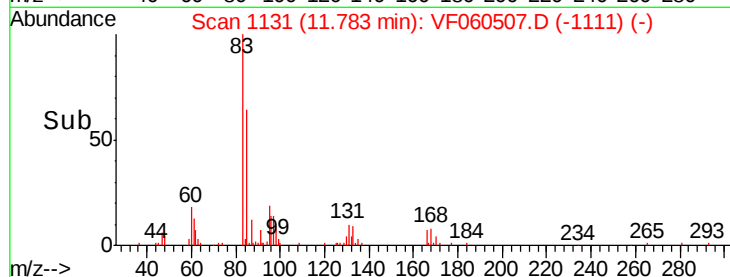
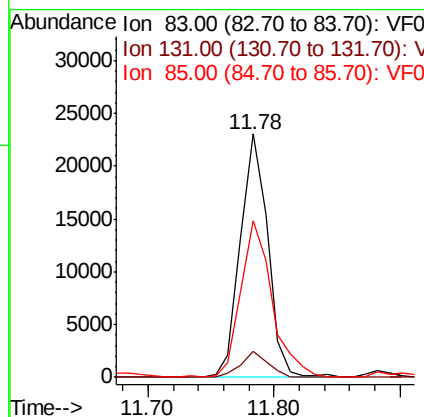
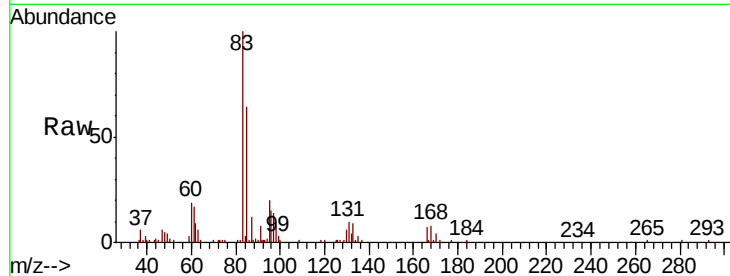
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	34601
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.8	17.4
85	64.1	34.2	102.6

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#76

1,2,3-Trichloropropane

Concen: 21.613 ug/l

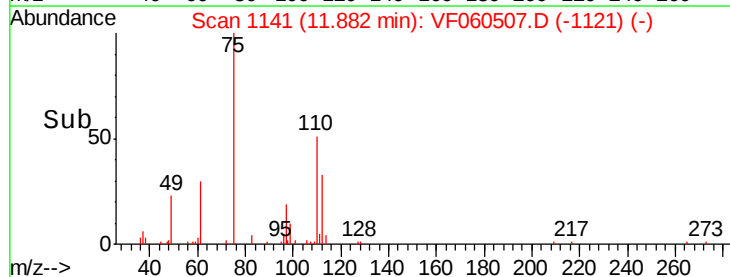
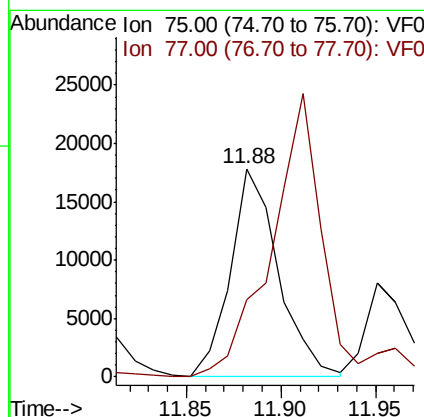
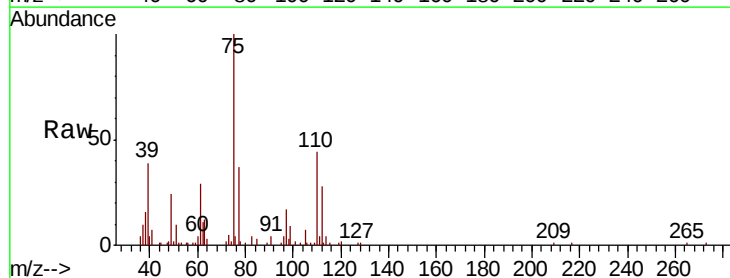
RT: 11.88 min Scan# 1141

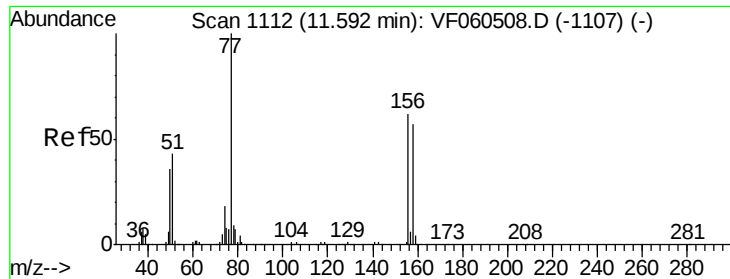
Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Tgt Ion:	75	Resp:	31295
Ion Ratio	Lower	Upper	
75	100		
77	37.3	17.2	51.5





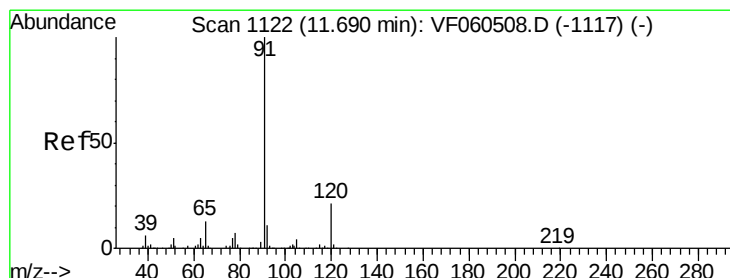
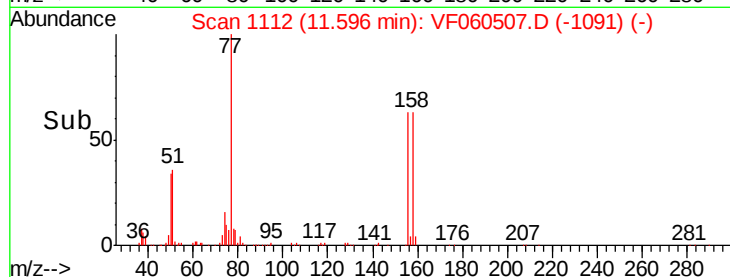
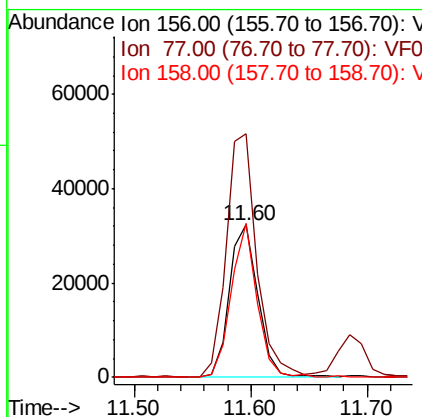
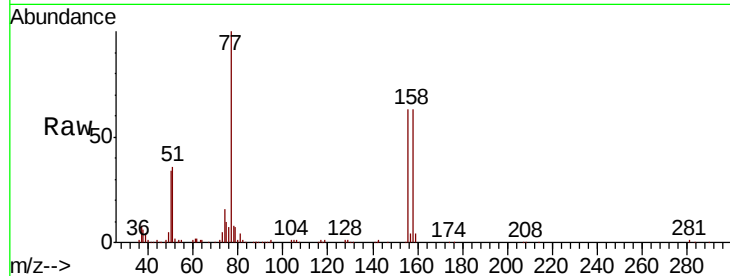
#77
Bromobenzene
Concen: 22.167 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
156	100		
77	159.5	80.1	240.3
158	101.0	45.9	137.6

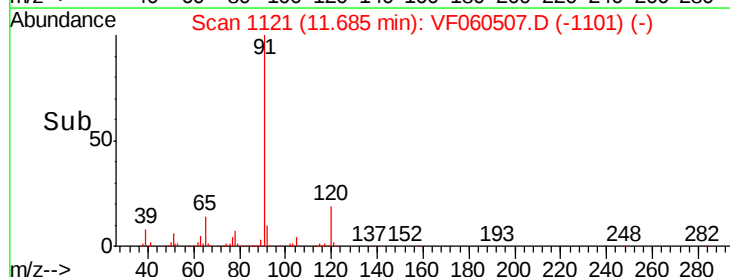
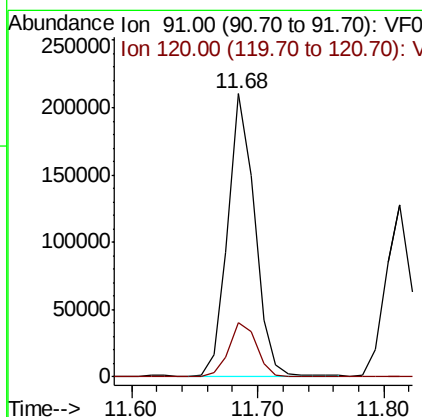
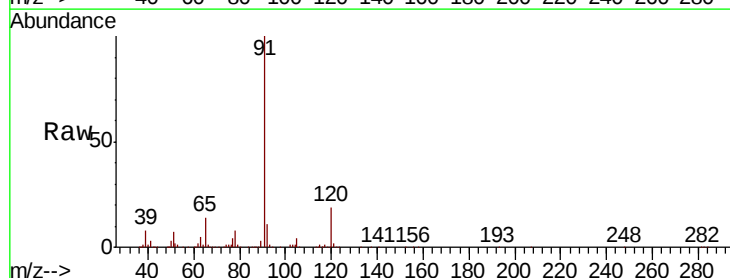
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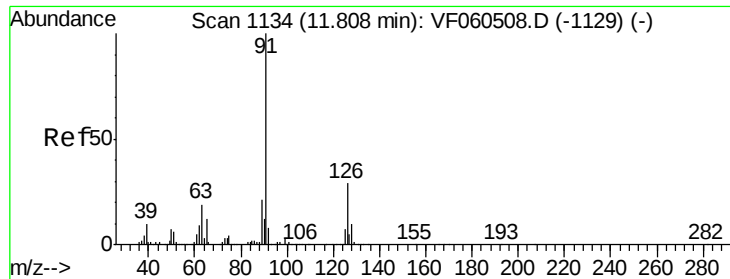
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#78
n-propylbenzene
Concen: 23.235 ug/l
RT: 11.68 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.2	10.3	30.9





#79

2-Chlorotoluene

Concen: 23.817 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. 0.00 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 185051

Ion Ratio Lower Upper

91 100

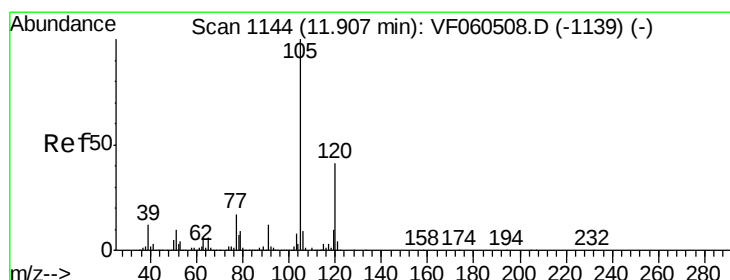
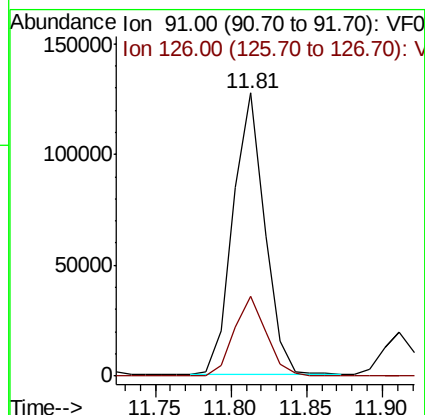
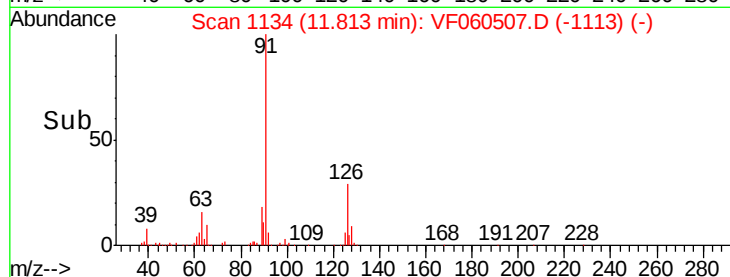
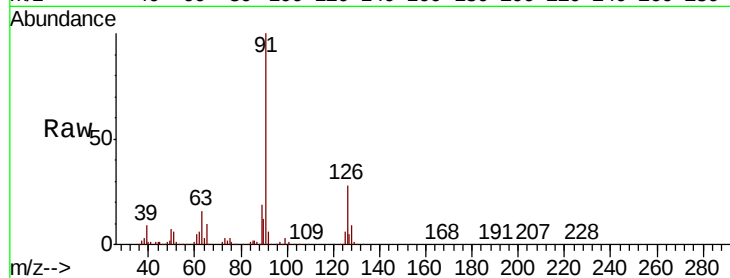
126 28.4 14.4 43.2

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#80

1,3,5-Trimethylbenzene

Concen: 23.643 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF060507.D

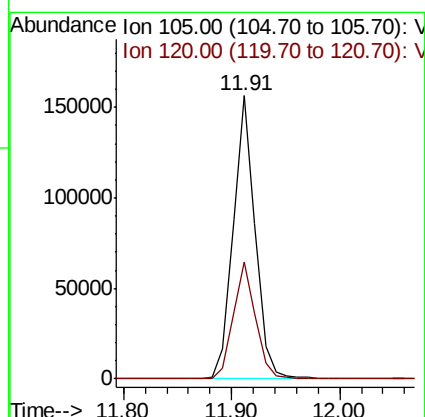
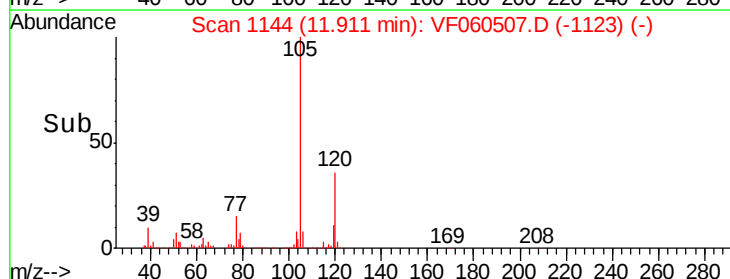
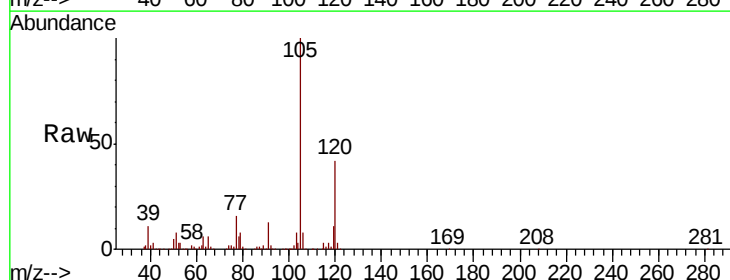
Acq: 25 Oct 2018 15:05

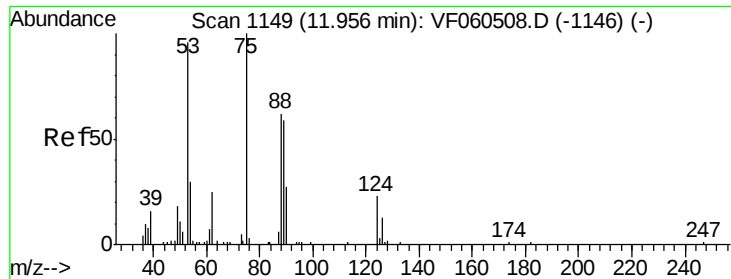
Tgt Ion: 105 Resp: 221028

Ion Ratio Lower Upper

105 100

120 41.5 20.6 61.9





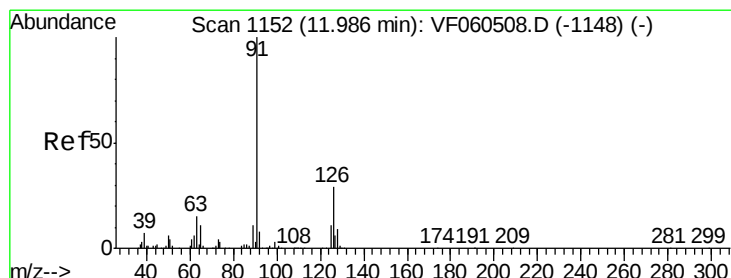
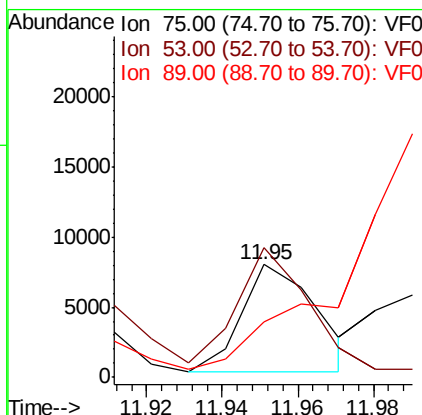
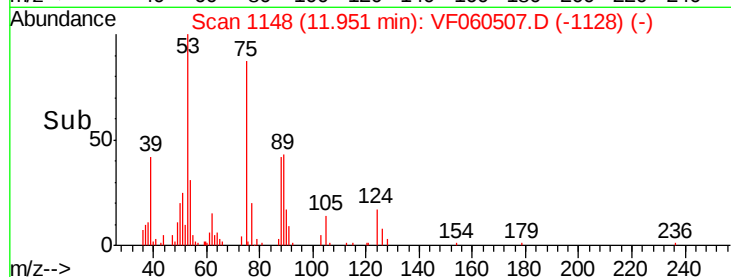
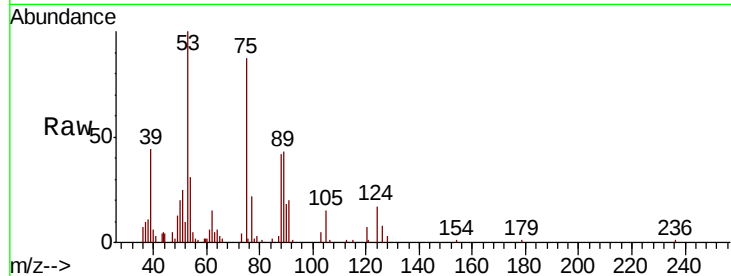
#81
trans-1,4-Dichloro-2-butene
Concen: 16.531 ug/l
RT: 11.95 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	115.2	85.0	127.6
89	49.5	50.2	75.4#

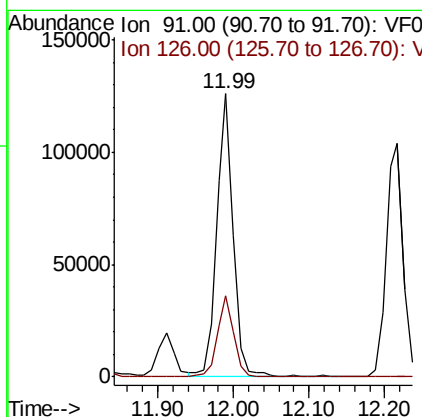
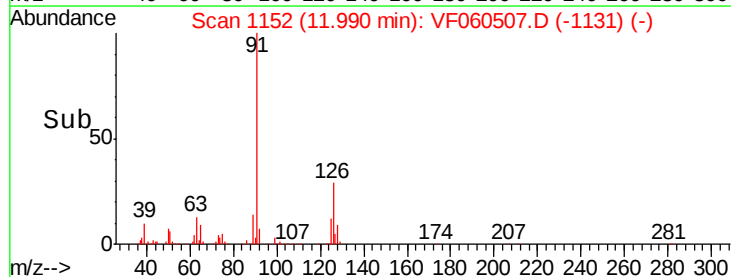
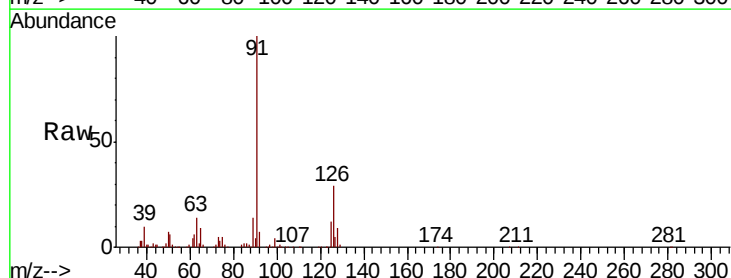
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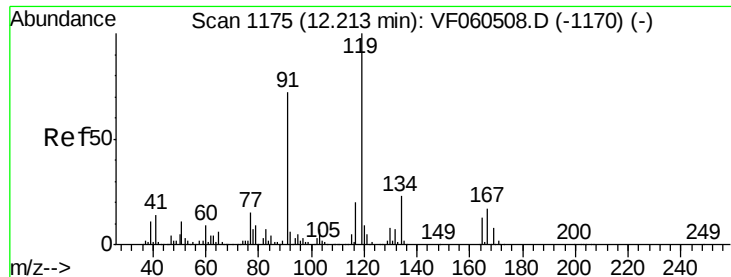
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#82
4-Chlorotoluene
Concen: 24.235 ug/l
RT: 11.99 min Scan# 1152
Delta R.T. 0.00 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.6	14.8	44.4





#83

tert-Butylbenzene

Concen: 24.286 ug/l

RT: 12.22 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

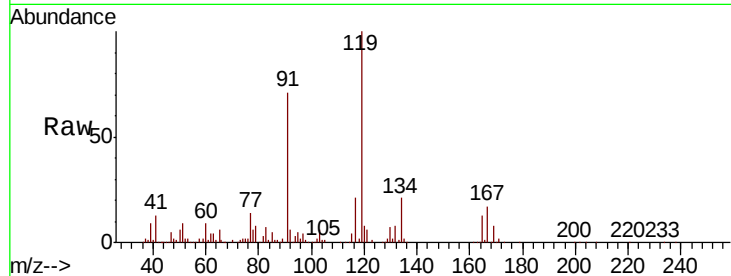
ClientSampleId :

VSTDIC020

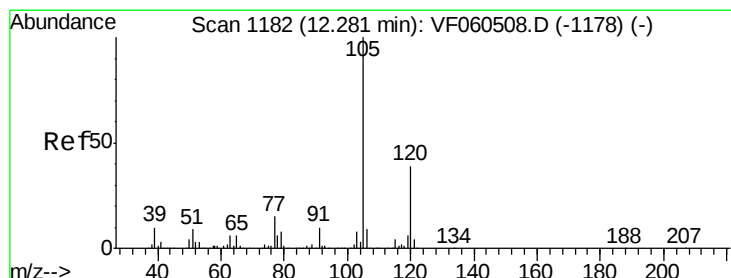
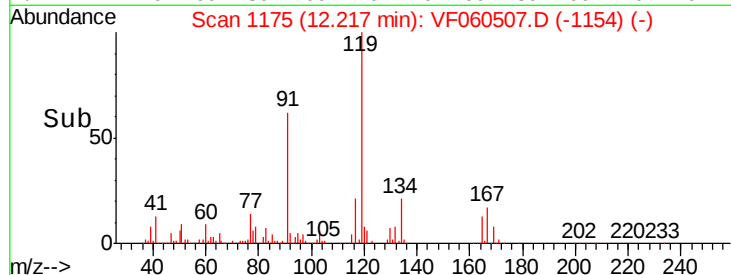
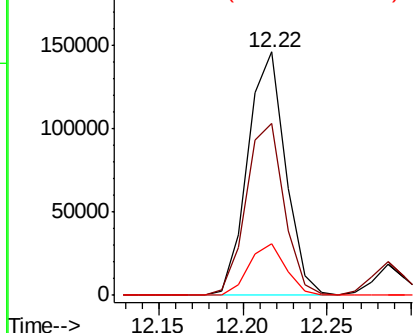
Tot Ion:	119	Resp:	228238
Ion Ratio	Lower	Upper	
119	100		
91	70.8	36.3	108.9
134	21.2	11.4	34.2

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 24.054 ug/l

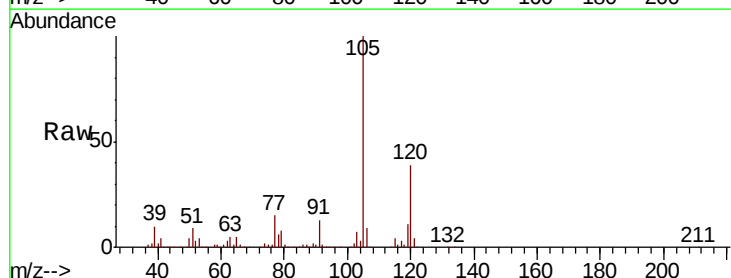
RT: 12.29 min Scan# 1182

Delta R.T. 0.00 min

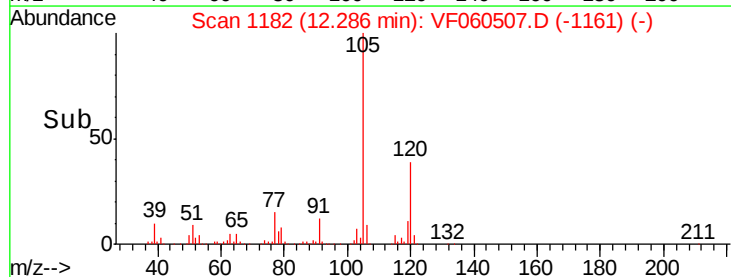
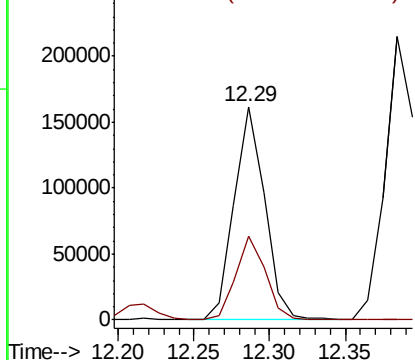
Lab File: VF060507.D

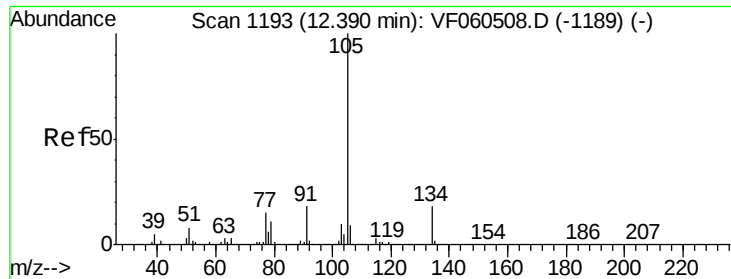
Acq: 25 Oct 2018 15:05

Tgt Ion:	105	Resp:	228309
Ion Ratio	Lower	Upper	
105	100		
120	39.4	19.4	58.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





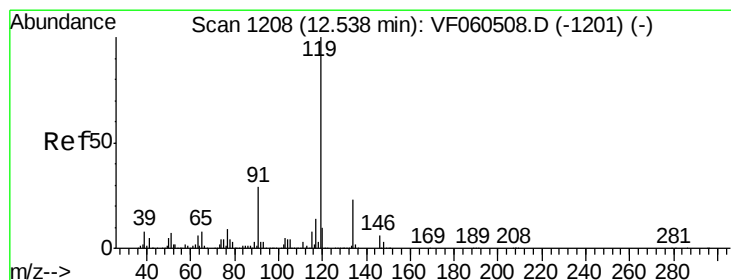
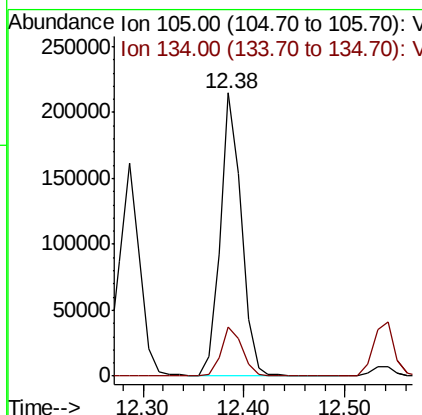
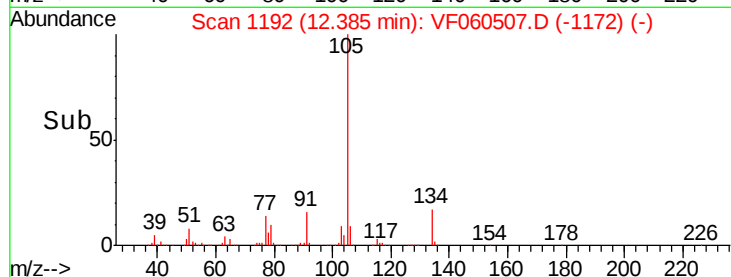
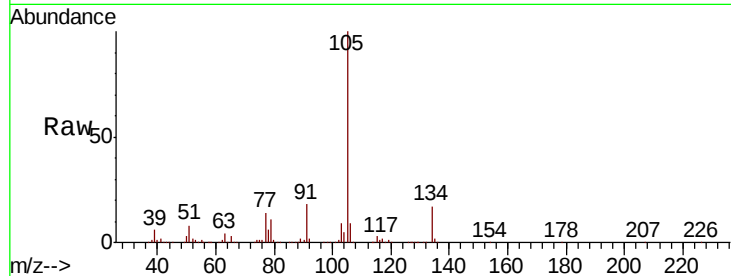
#85
 sec-Butylbenzene
 Concen: 24.655 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF060507.D
 Acq: 25 Oct 2018 15:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.2	9.2	27.4

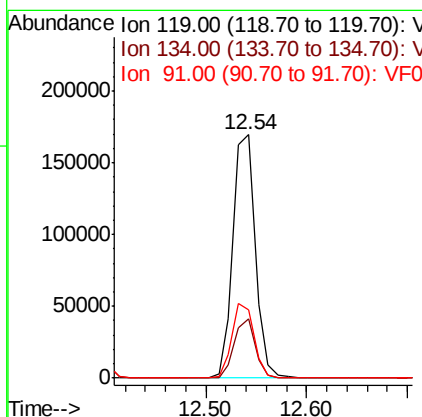
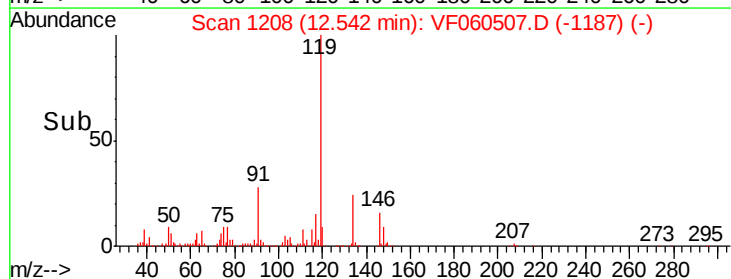
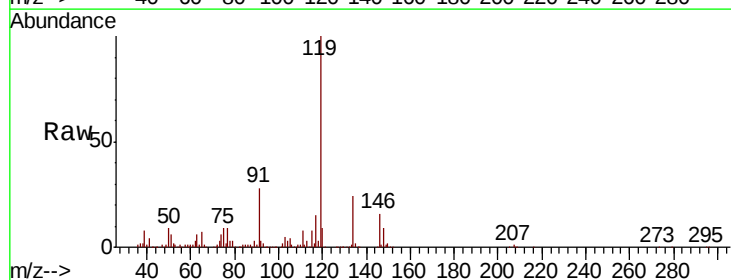
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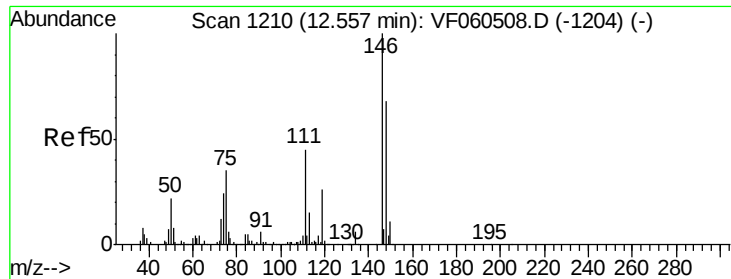
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#86
 p-Isopropyltoluene
 Concen: 25.020 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. 0.00 min
 Lab File: VF060507.D
 Acq: 25 Oct 2018 15:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.2	11.7	35.0
91	28.2	14.4	43.4





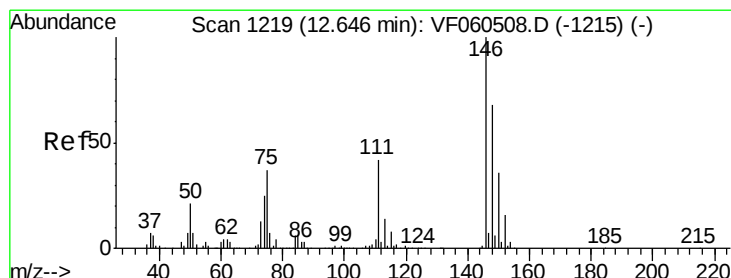
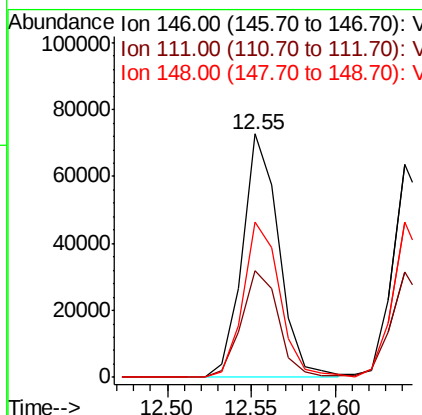
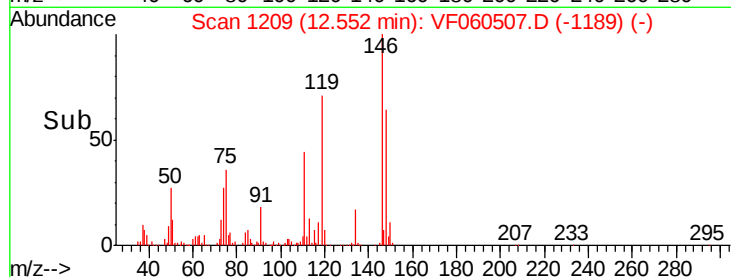
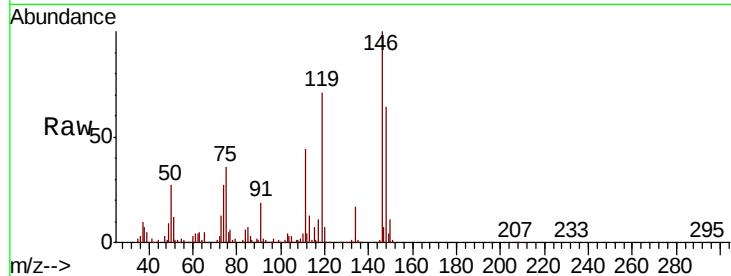
#87
 1,3-Dichlorobenzene
 Concen: 23.175 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF060507.D
 Acq: 25 Oct 2018 15:05

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	22.3	66.8
148	63.9	34.1	102.3

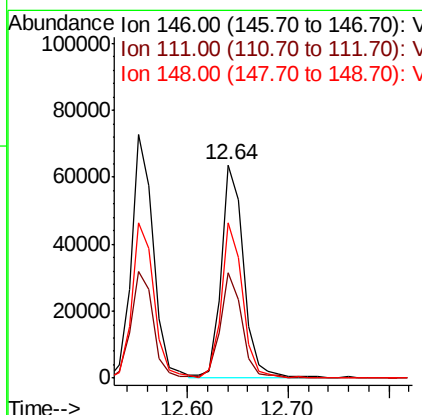
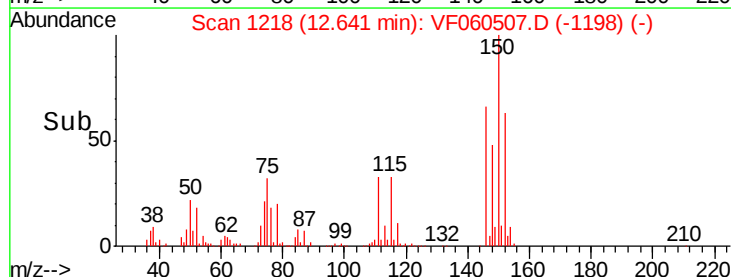
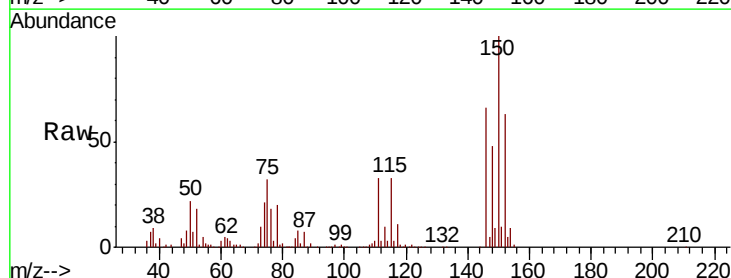
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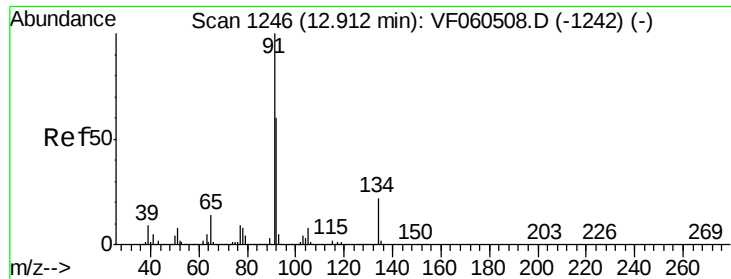
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#88
 1,4-Dichlorobenzene
 Concen: 21.468 ug/l
 RT: 12.64 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: VF060507.D
 Acq: 25 Oct 2018 15:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.4	21.1	63.3
148	72.8	33.9	101.7





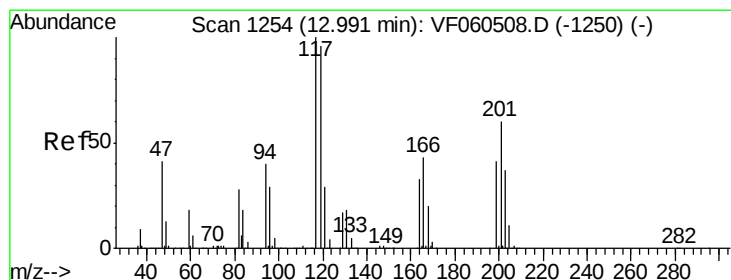
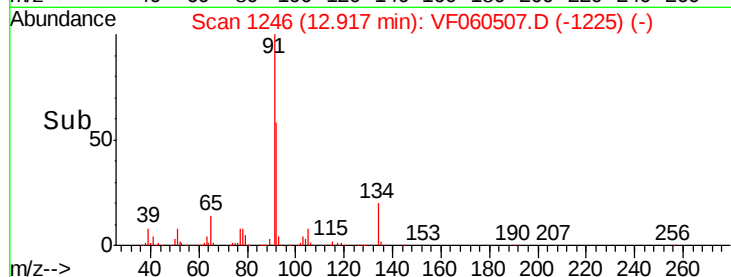
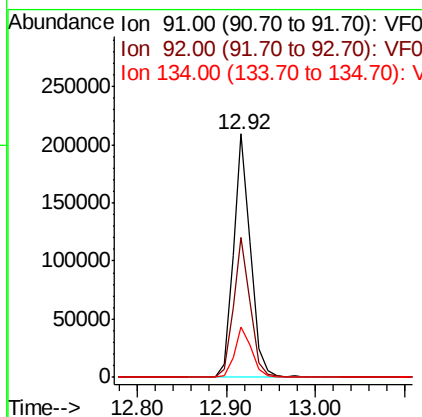
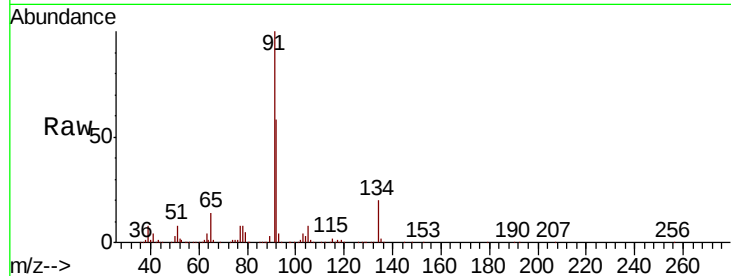
#89
n-Butylbenzene
Concen: 25.861 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.6	29.8	89.3
134	20.5	10.9	32.7

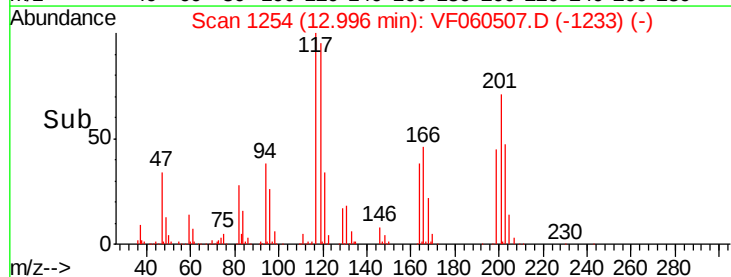
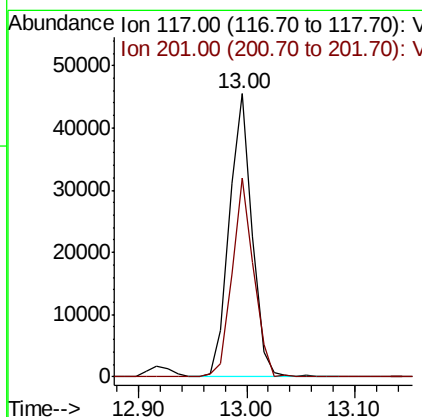
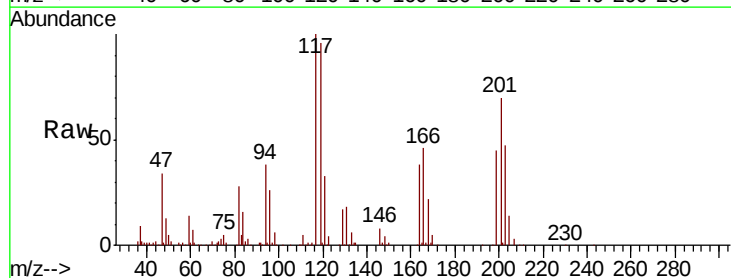
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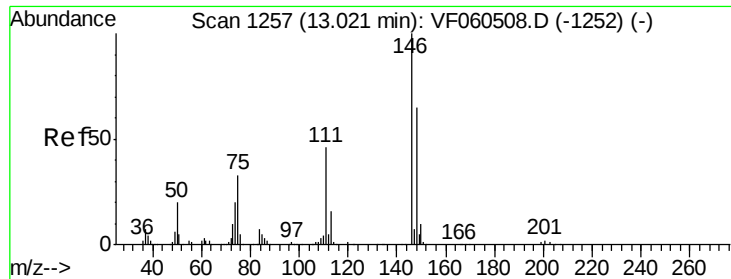
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#90
Hexachloroethane
Concen: 26.576 ug/l
RT: 13.00 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.5	30.1	90.5





#91

1,2-Dichlorobenzene

Concen: 22.576 ug/l

RT: 13.02 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Instrument :

MSVOA_F

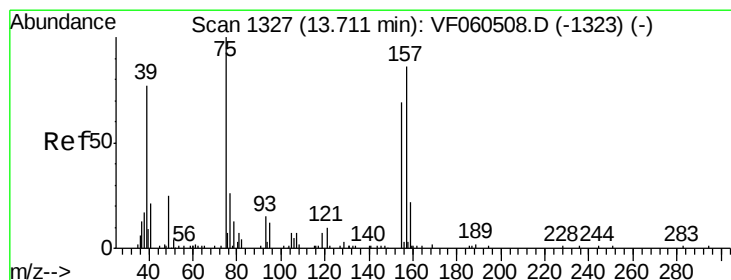
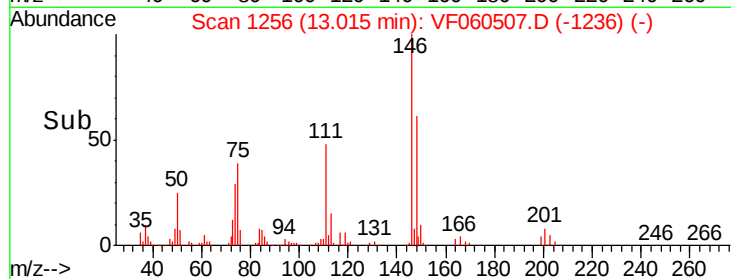
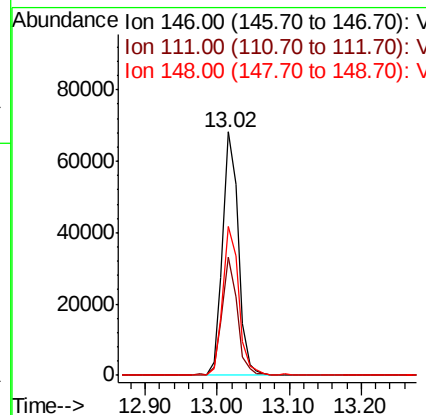
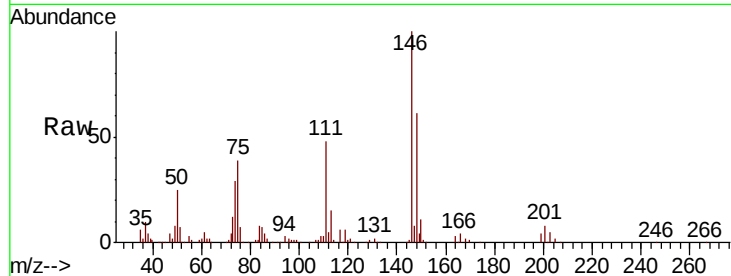
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	102512
Ion Ratio	Lower	Upper	
146	100		
111	48.5	22.8	68.4
148	60.9	32.3	96.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.427 ug/l

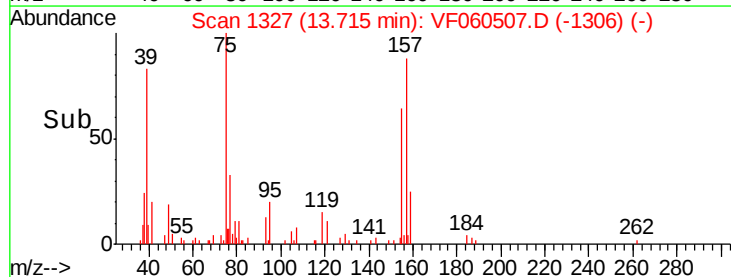
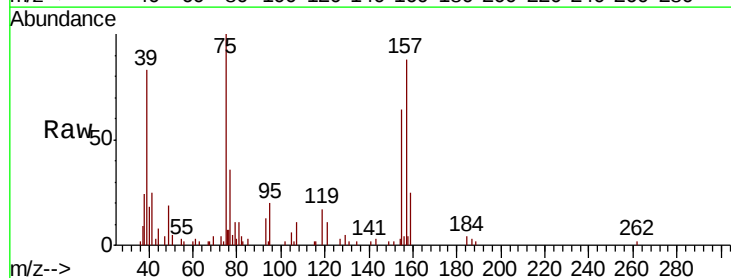
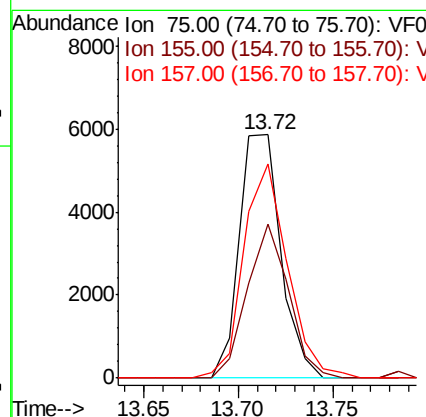
RT: 13.72 min Scan# 1327

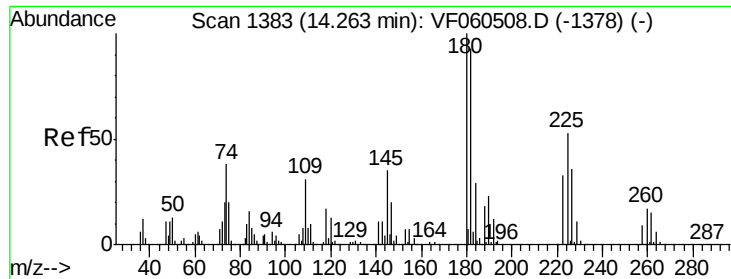
Delta R.T. 0.00 min

Lab File: VF060507.D

Acq: 25 Oct 2018 15:05

Tgt Ion:	75	Resp:	8916
Ion Ratio	Lower	Upper	
75	100		
155	67.7	34.7	104.1
157	91.8	42.9	128.5





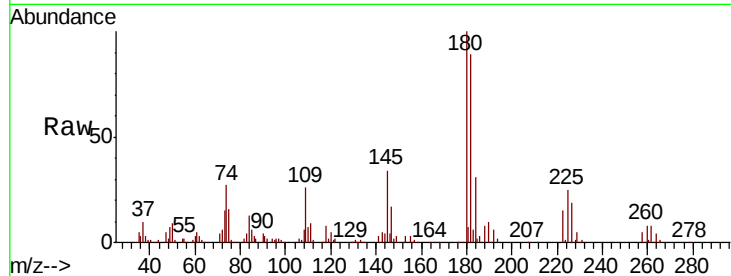
#93
 1,2,4-Trichlorobenzene
 Concen: 23.172 ug/l
 RT: 14.27 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060507.D
 Acq: 25 Oct 2018 15:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.4	46.7	140.0
145	33.9	17.3	52.0

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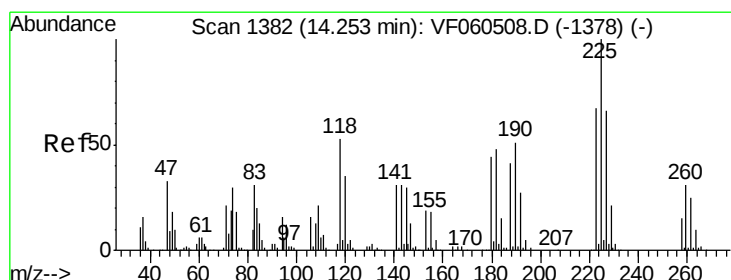
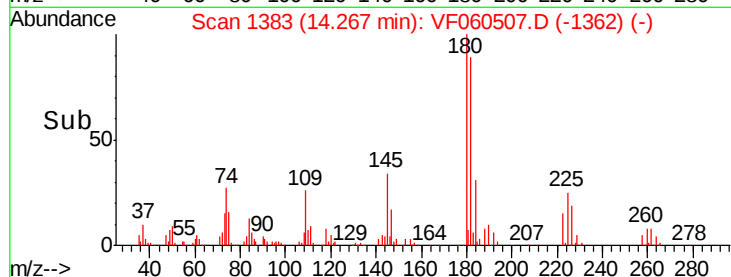
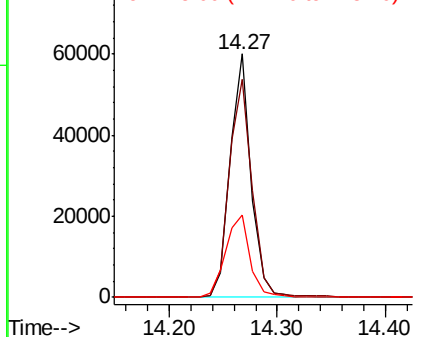


Abundance

Ion 180.00 (179.70 to 180.70): V

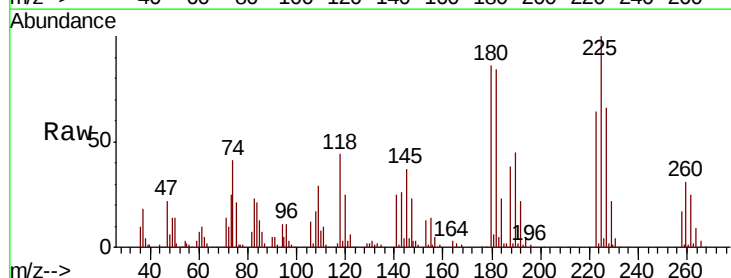
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 25.825 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060507.D
 Acq: 25 Oct 2018 15:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.9	33.4	100.2
227	65.9	32.9	98.6

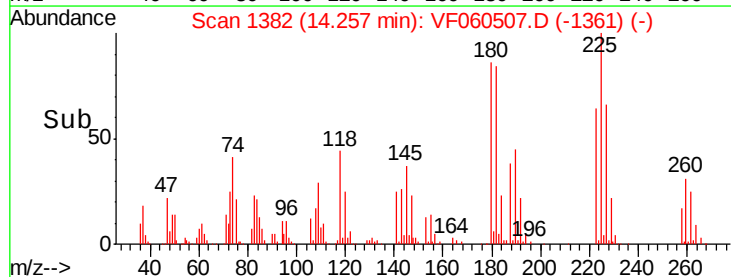
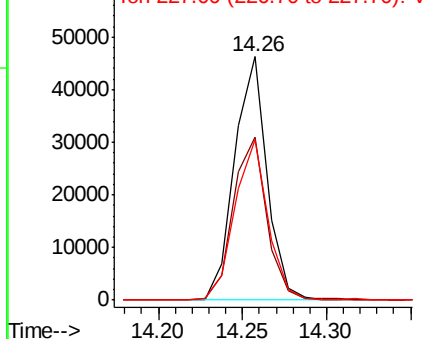


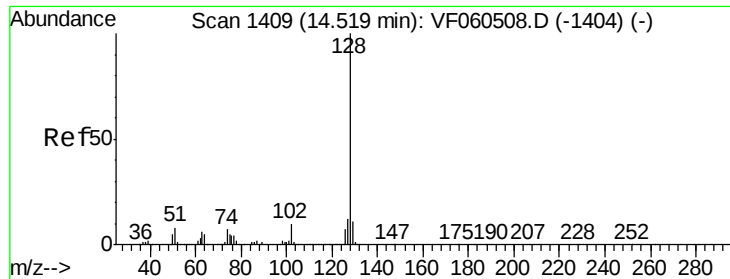
Abundance

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





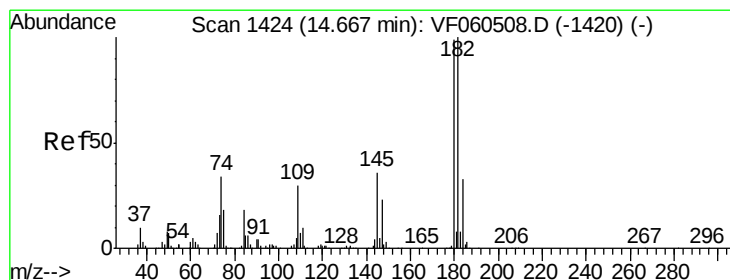
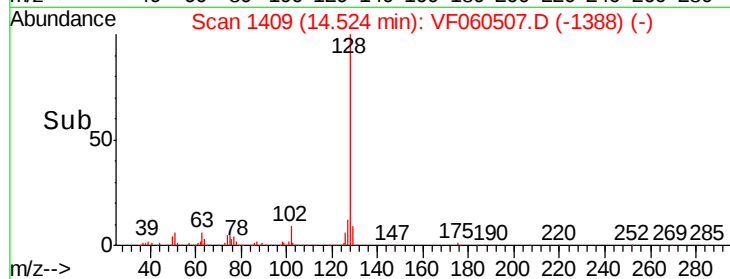
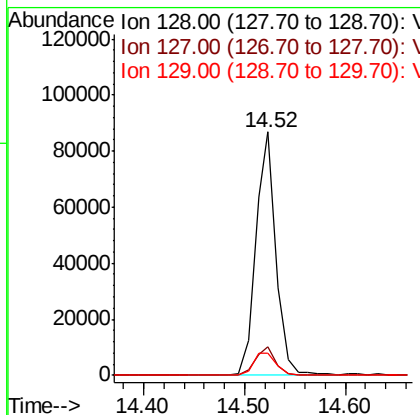
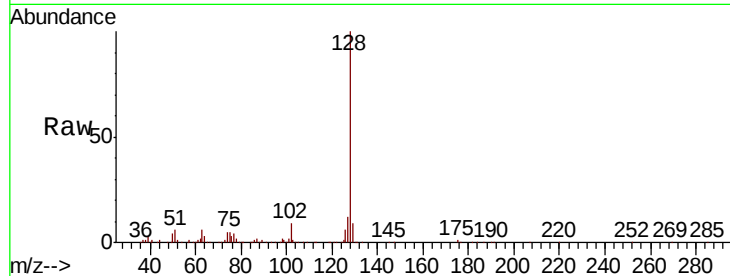
#95
Naphthalene
Concen: 20.066 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	120960		
127	11.6	10.0	15.0	
129	9.1	8.9	13.3	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.979 ug/l
RT: 14.66 min Scan# 1423
Delta R.T. -0.01 min
Lab File: VF060507.D
Acq: 25 Oct 2018 15:05

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	68538		
182	97.1	50.7	152.1	
145	41.1	18.1	54.4	

