

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102518\
 Data File : VF060511.D
 Acq On : 25 Oct 2018 16:59
 Operator : VA/AP
 Sample : VSTDICC150
 Misc : 5.00/5mL/MSVOA F/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

apatel
 10/26/2018 10:27:58 AM

Quant Time: Oct 26 00:54:32 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	222888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	353402	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	322534	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	194388	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	585817	173.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	346.62%	
35) Dibromofluoromethane	4.29	113	523487	160.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	321.84%	
50) Toluene-d8	7.71	98	1082813	138.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.98%	
62) 4-Bromofluorobenzene	11.51	95	562631	164.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	328.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	581806	132.842	ug/l	89
3) Chloromethane	1.14	50	304593	112.413	ug/l	91
4) Vinyl Chloride	1.18	62	357967	121.796	ug/l	98
5) Bromomethane	1.35	94	315867	136.658	ug/l	90
6) Chloroethane	1.41	64	209574	134.892	ug/l	93
7) Trichlorofluoromethane	1.54	101	1056353	160.352	ug/l	99
8) Diethyl Ether	1.70	74	125452	133.089	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	1.89	101	475003	144.142	ug/l	93
10) Methyl Iodide	1.96	142	730939	139.900	ug/l	94
11) Tert butyl alcohol	2.69	59	145012	818.735	ug/l #	82
12) 1,1-Dichloroethene	1.85	96	347965	126.410	ug/l	79
13) Acrolein	2.08	56	140495	1280.152	ug/l	97
14) Allyl chloride	2.18	41	596273	146.954	ug/l	93
15) Acrylonitrile	3.07	53	259359	695.561	ug/l	87
16) Acetone	2.34	43	578394	780.889	ug/l	96
17) Carbon Disulfide	1.84	76	935607m	122.222	ug/l	
18) Methyl Acetate	2.45	43	200613	142.904	ug/l	97
19) Methyl tert-butyl Ether	2.54	73	977719	157.789	ug/l	100
20) Methylene Chloride	2.27	84	332691	129.390	ug/l	96
21) trans-1,2-Dichloroethene	2.41	96	369667	143.883	ug/l	87
22) Diisopropyl ether	2.92	45	1120041	134.288	ug/l #	95
23) Vinyl Acetate	3.34	43	1980713	678.386	ug/l	97
24) 1,1-Dichloroethane	3.00	63	788299	140.835	ug/l	98
25) 2-Butanone	4.51	43	564199	699.759	ug/l #	91
26) 2,2-Dichloropropane	3.76	77	520327	178.290	ug/l	98
27) cis-1,2-Dichloroethene	3.63	96	389595	129.907	ug/l	91
28) Bromochloromethane	3.89	49	249619	128.396	ug/l #	97
29) Tetrahydrofuran	4.24	42	218847	643.891	ug/l	96
30) Chloroform	4.04	83	977708	150.943	ug/l	87
31) Cyclohexane	3.87	56	439565	122.757	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	898017	175.984	ug/l	98
36) 1,1-Dichloropropene	4.46	75	648803	157.833	ug/l	93
37) Ethyl Acetate	4.28	43	218376	150.396	ug/l #	94
38) Carbon Tetrachloride	4.17	117	933489m	226.070	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	498847	128.887	ug/l	88
40) Benzene	4.80	78	1143191	135.449	ug/l	96
41) Methacrylonitrile	4.92	41	131494	159.388	ug/l #	93
42) 1,2-Dichloroethane	5.12	62	698314	182.378	ug/l	100
43) Isopropyl Acetate	7.11	43	265235	146.564	ug/l #	98
44) Trichloroethene	5.67	130	354605	134.870	ug/l	91
45) 1,2-Dichloropropane	6.40	63	281904	136.444	ug/l	91
46) Dibromomethane	6.25	93	258566	156.017	ug/l	96
47) Bromodichloromethane	6.55	83	688122	164.403	ug/l	96
48) Methyl methacrylate	6.87	41	192115	156.716	ug/l #	92
49) 1,4-Dioxane	6.85	88	29147	2765.662	ug/l #	79
51) 4-Methyl-2-Pentanone	8.40	43	931664	738.005	ug/l	90
52) Toluene	7.78	92	716337	134.764	ug/l	86
53) t-1,3-Dichloropropene	8.43	75	521667	160.475	ug/l	93
54) cis-1,3-Dichloropropene	7.46	75	566813	149.709	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	246668	150.994	ug/l	96
56) Ethyl methacrylate	8.76	69	285130	150.851	ug/l	88
57) 1,3-Dichloropropane	9.00	76	435261	154.735	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	155682	810.536	ug/l	100
59) 2-Hexanone	9.62	43	690340	756.000	ug/l	98
60) Dibromochloromethane	8.87	129	457789	178.523	ug/l	95
61) 1,2-Dibromoethane	9.13	107	313588	169.891	ug/l	94
64) Tetrachloroethene	8.30	164	333482	130.452	ug/l	92
65) Chlorobenzene	9.94	112	885432	141.357	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	416330	147.557	ug/l	91
67) Ethyl Benzene	10.04	91	1598768	135.286	ug/l	98
68) m/p-Xylenes	10.28	106	1062597	263.398	ug/l	84
69) o-Xylene	10.83	106	616682	140.565	ug/l	85
70) Styrene	10.91	104	849547	134.527	ug/l	96
71) Bromoform	10.89	173	251142	175.567	ug/l	98
73) Isopropylbenzene	11.23	105	1866298	129.161	ug/l	93
74) N-amyl acetate	11.47	43	443908	141.144	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	346520	142.679	ug/l	96
76) 1,2,3-Trichloropropane	11.88	75	276692	147.373	ug/l	98
77) Bromobenzene	11.60	156	437699	136.309	ug/l	94
78) n-propylbenzene	11.68	91	2122812	123.353	ug/l	97
79) 2-Chlorotoluene	11.81	91	1350186	134.017	ug/l	95
80) 1,3,5-Trimethylbenzene	11.91	105	1542775	127.272	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.96	75	134182m	163.919	ug/l	
82) 4-Chlorotoluene	11.99	91	1408081	135.467	ug/l	94
83) tert-Butylbenzene	12.22	119	1532872	125.790	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	1543787	125.439	ug/l	90
85) sec-Butylbenzene	12.38	105	2078848	125.784	ug/l	97
86) p-Isopropyltoluene	12.54	119	1715417	126.435	ug/l	95
87) 1,3-Dichlorobenzene	12.56	146	778699	127.315	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	824036	138.923	ug/l	98
89) n-Butylbenzene	12.92	91	1772254	124.831	ug/l	89
90) Hexachloroethane	13.00	117	502512	154.891	ug/l	85
91) 1,2-Dichlorobenzene	13.03	146	777768	132.096	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.72	75	94118	182.582	ug/l	79

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	600547	132.077	ug/l	94
94) Hexachlorobutadiene	14.26	225	465583	150.610	ug/l	95
95) Naphthalene	14.52	128	1242763	158.996	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	600241	141.694	ug/l	98

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

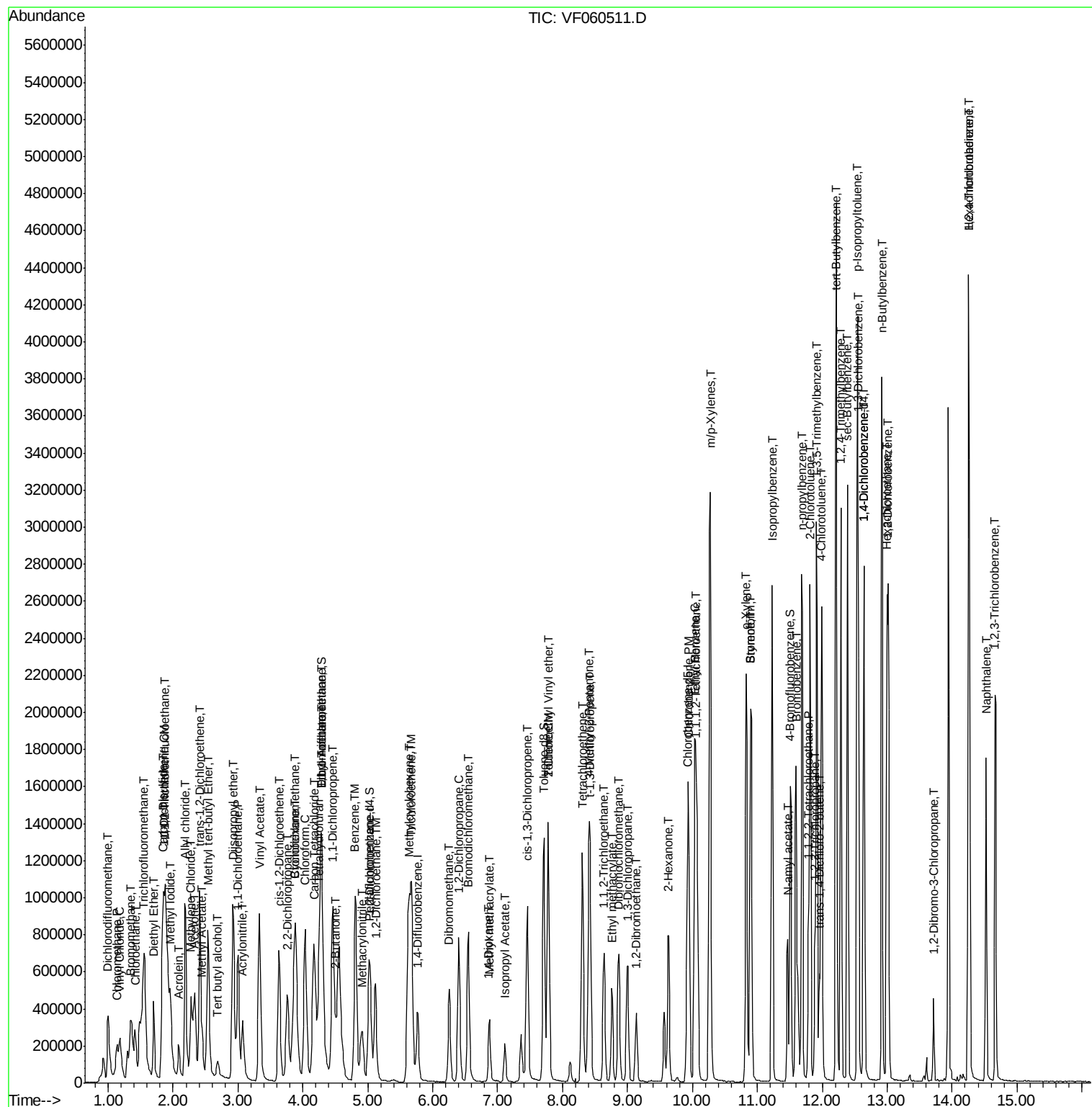
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF102518\
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Operator : VA/AP
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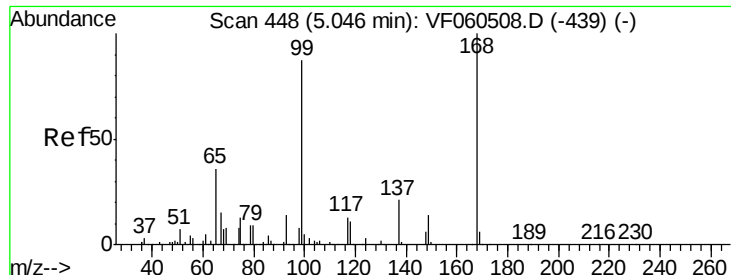
Instrument :
MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.01 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 222888

Ion Ratio Lower Upper

168 100

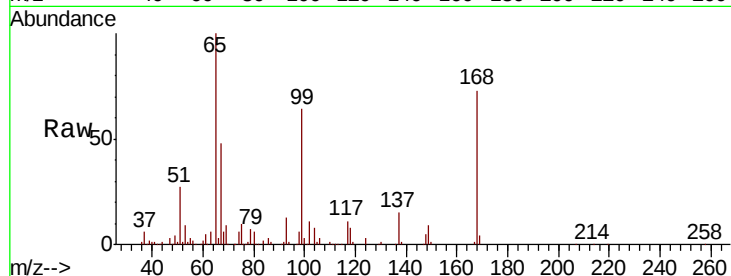
99 87.3 69.9 104.9

Manual Integrations

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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

80000

60000

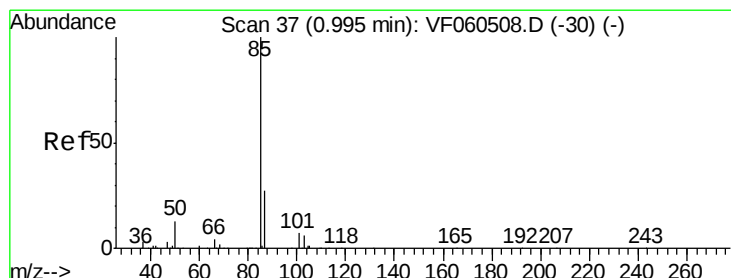
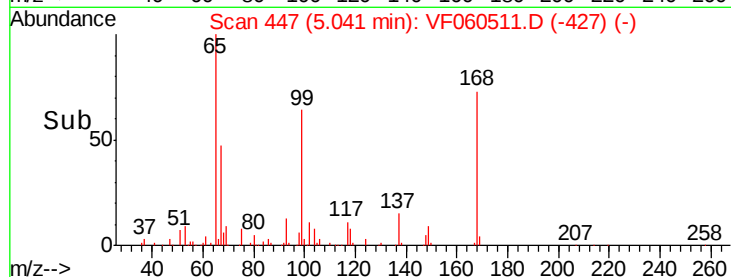
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 132.842 ug/l

RT: 1.00 min Scan# 37

Delta R.T. 0.00 min

Lab File: VF060511.D

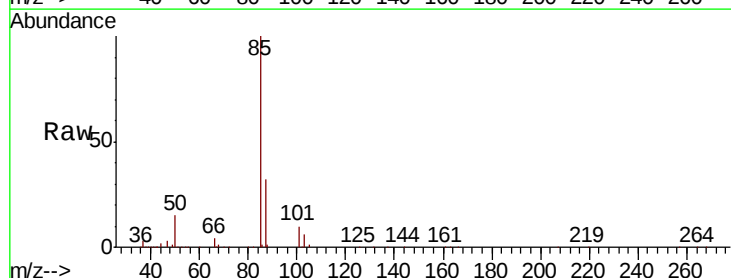
Acq: 25 Oct 2018 16:59

Tgt Ion: 85 Resp: 581806

Ion Ratio Lower Upper

85 100

87 32.4 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

200000

150000

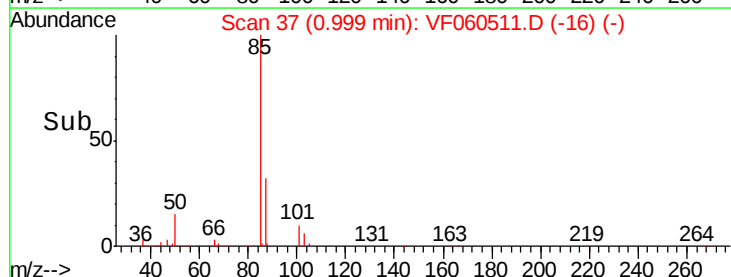
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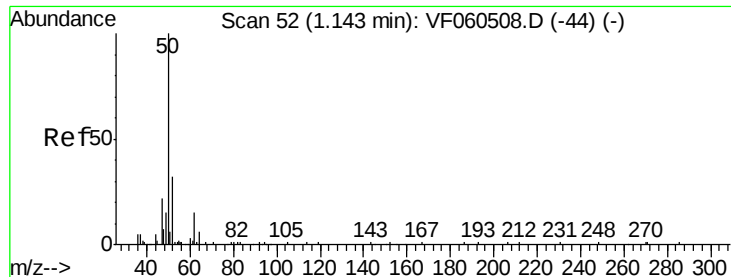
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0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 112.413 ug/l

RT: 1.14 min Scan# 51

Delta R.T. -0.01 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 304593

Ion Ratio Lower Upper

50 100

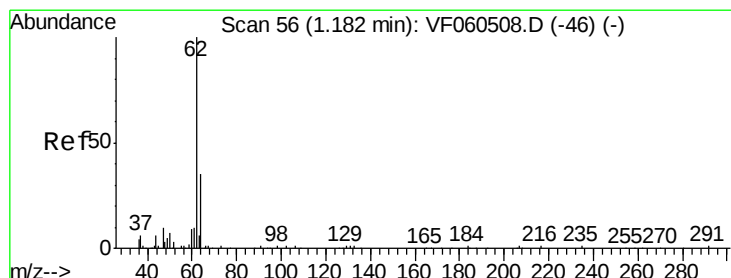
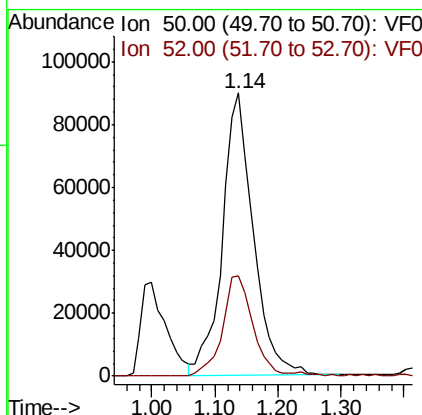
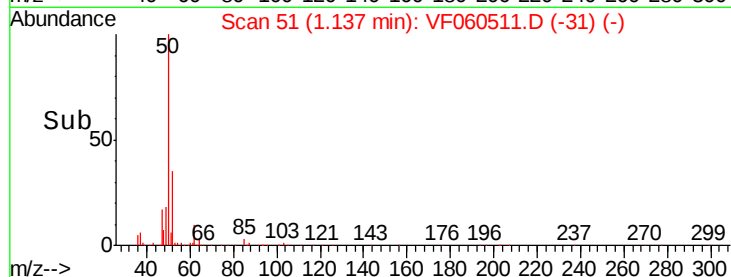
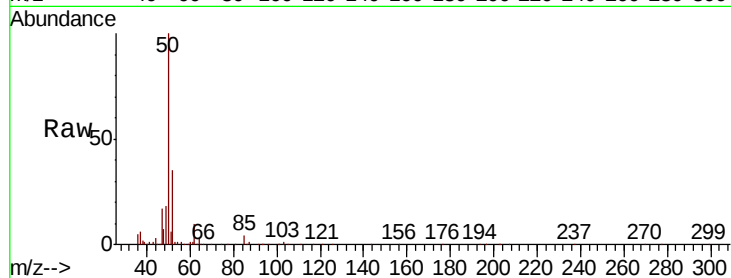
52 35.3 24.5 36.7

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#4

Vinyl Chloride

Concen: 121.796 ug/l

RT: 1.18 min Scan# 55

Delta R.T. -0.01 min

Lab File: VF060511.D

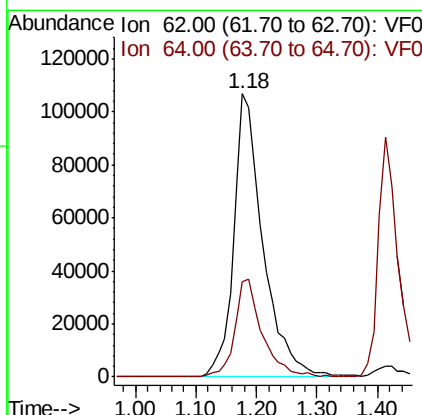
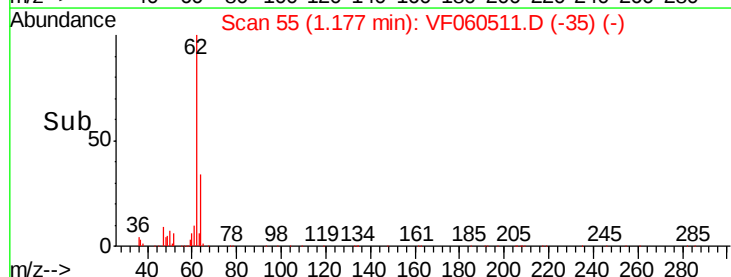
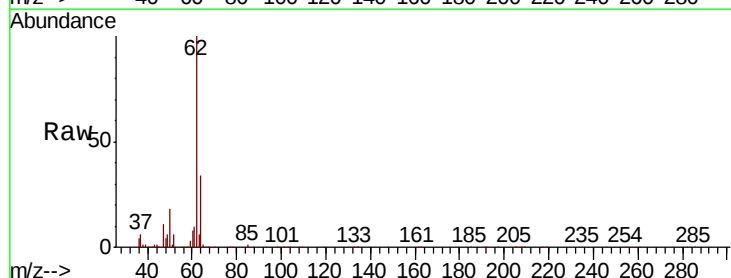
Acq: 25 Oct 2018 16:59

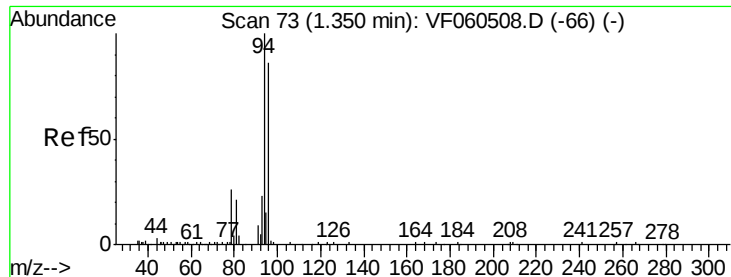
Tgt Ion: 62 Resp: 357967

Ion Ratio Lower Upper

62 100

64 33.6 27.8 41.8





#5

Bromomethane

Concen: 136.658 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

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ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 315867

Ion Ratio Lower Upper

94 100

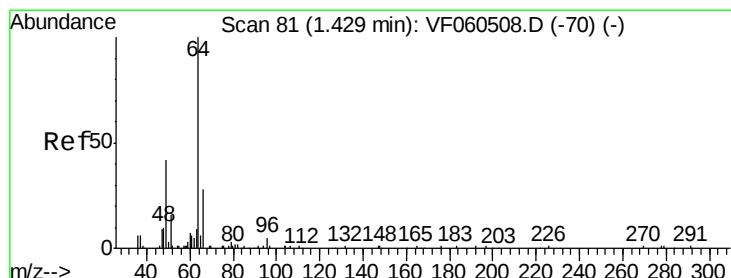
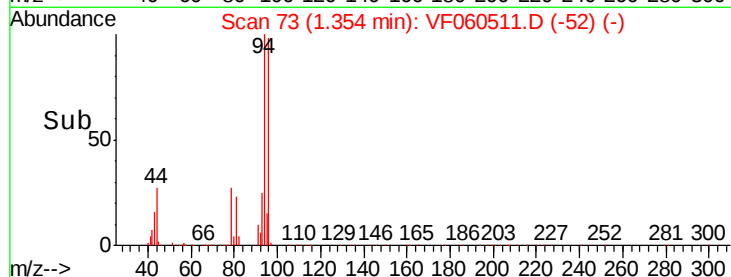
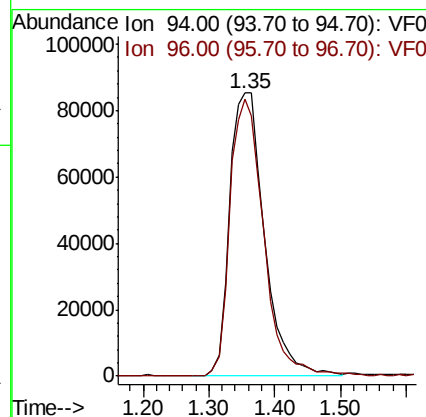
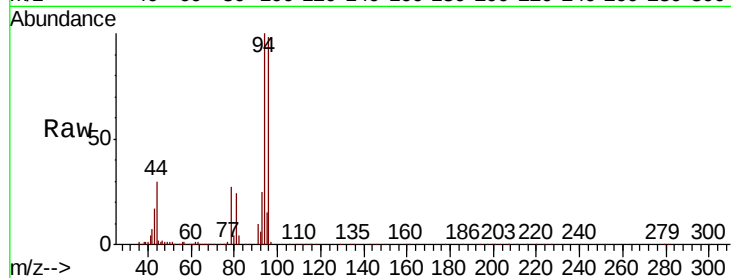
96 97.7 70.6 105.8

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#6

Chloroethane

Concen: 134.892 ug/l

RT: 1.41 min Scan# 79

Delta R.T. -0.02 min

Lab File: VF060511.D

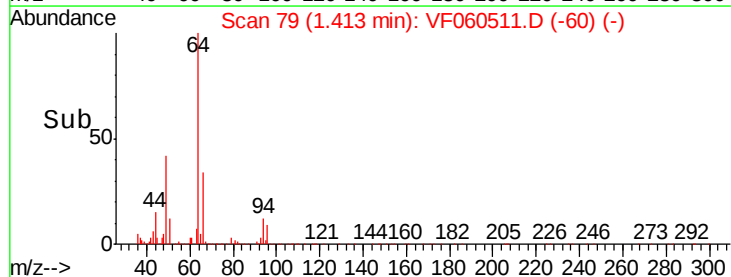
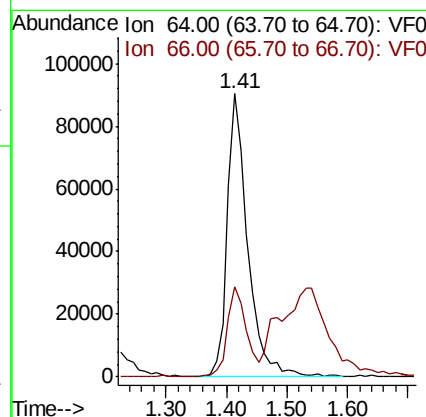
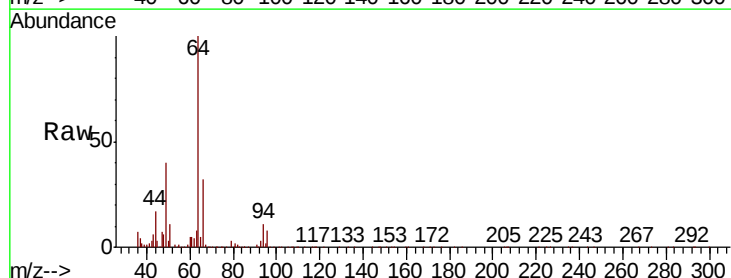
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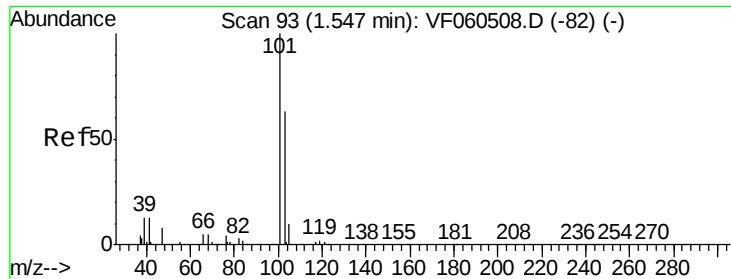
Tgt Ion: 64 Resp: 209574

Ion Ratio Lower Upper

64 100

66 31.6 22.4 33.6





#7

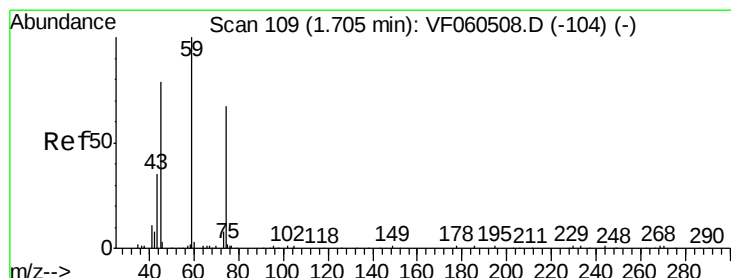
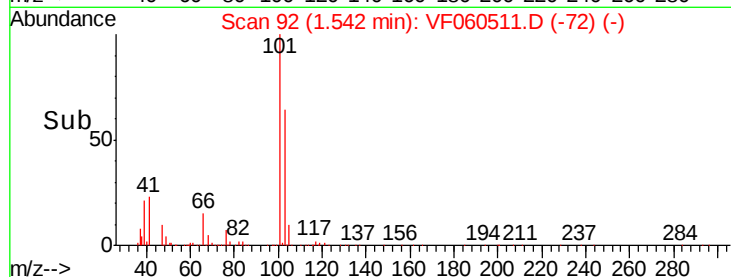
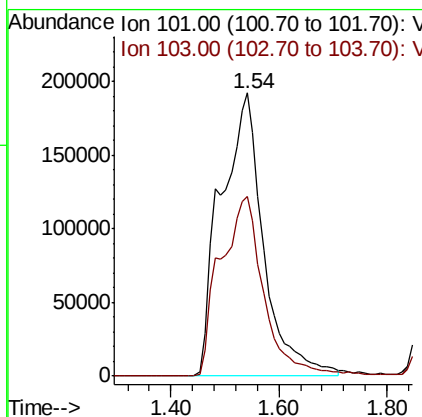
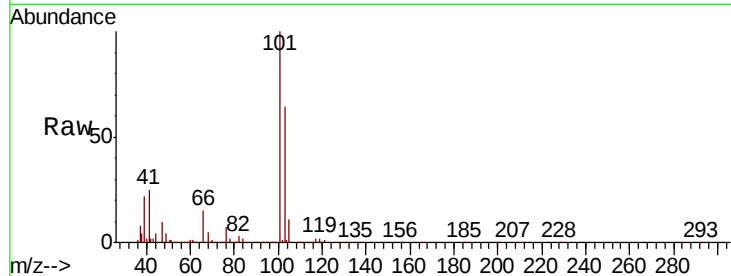
Trichlorofluoromethane
Concen: 160.352 ug/l
RT: 1.54 min Scan# 92
Delta R.T. -0.01 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Instrument :
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ClientSampleId :
VSTDIC150

Tot Ion:101 Resp: 1056353
Ion Ratio Lower Upper
101 100
103 63.6 50.4 75.6

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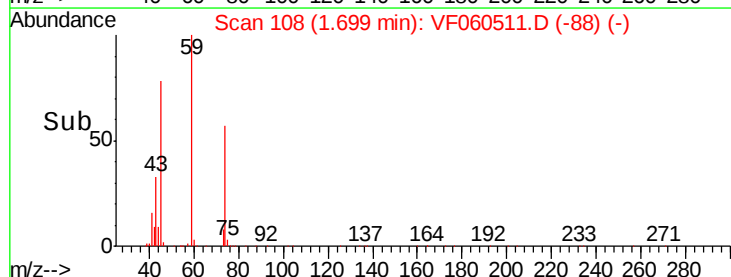
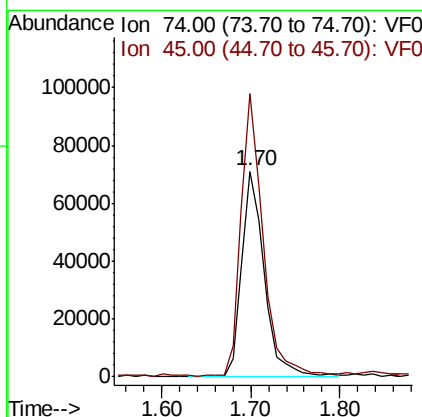
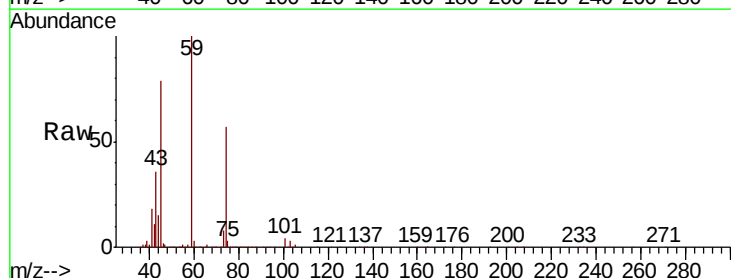
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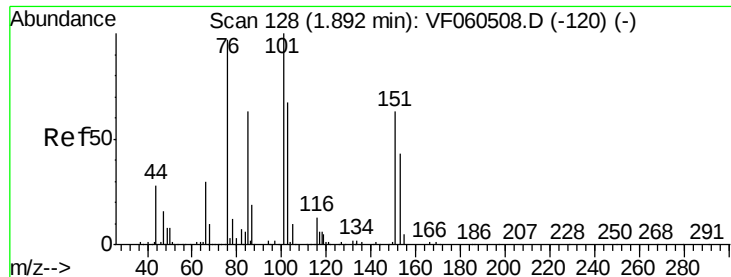


#8

Diethyl Ether
Concen: 133.089 ug/l
RT: 1.70 min Scan# 108
Delta R.T. -0.01 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tgt Ion: 74 Resp: 125452
Ion Ratio Lower Upper
74 100
45 137.8 62.1 186.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 144.142 ug/l

RT: 1.89 min Scan# 127

Delta R.T. -0.01 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

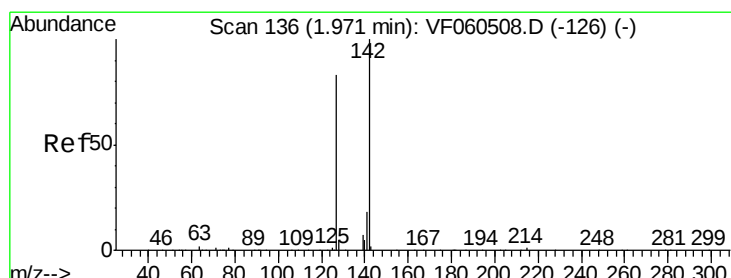
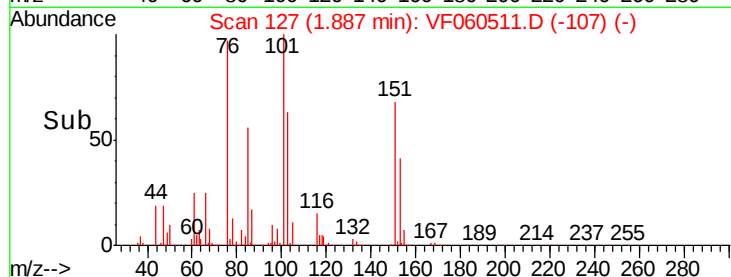
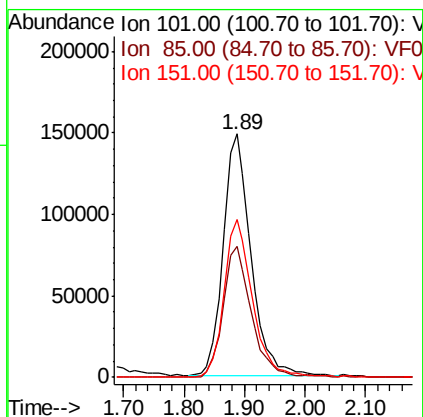
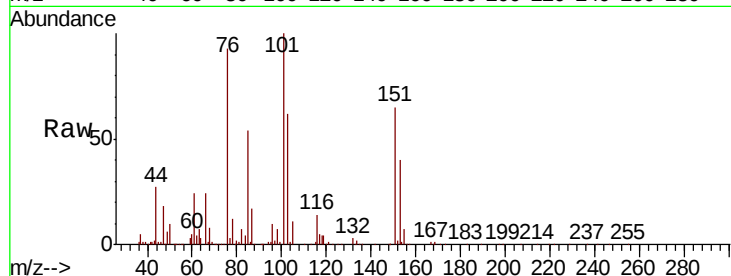
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	475003
Ion Ratio	Lower	Upper	
101	100		
85	53.9	49.9	74.9
151	65.0	50.6	76.0

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#10

Methyl Iodide

Concen: 139.900 ug/l

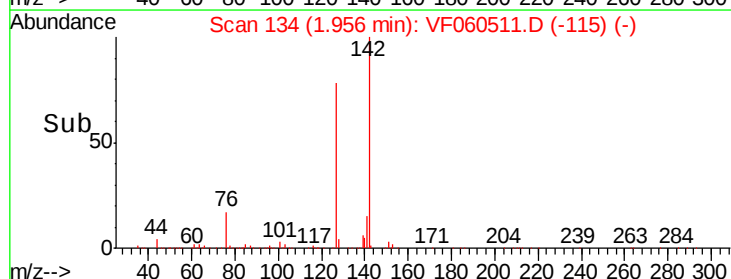
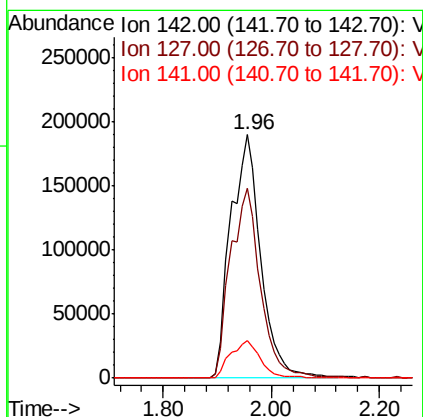
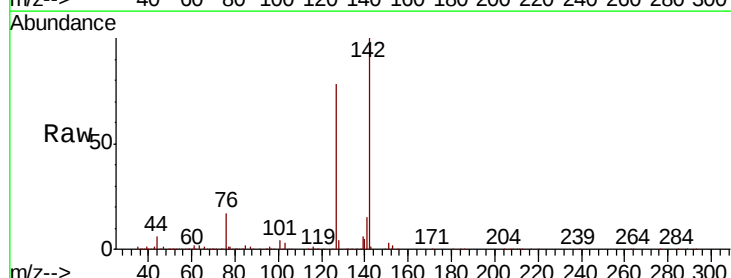
RT: 1.96 min Scan# 134

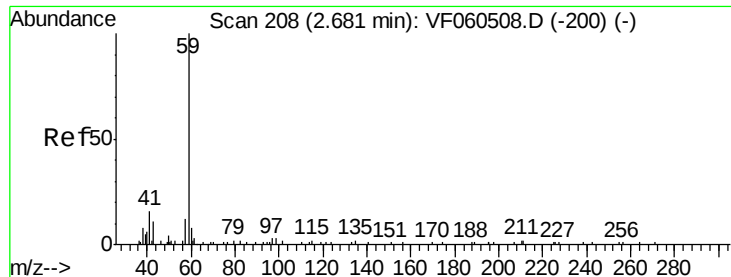
Delta R.T. -0.02 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Tgt Ion:	142	Resp:	730939
Ion Ratio	Lower	Upper	
142	100		
127	78.0	66.5	99.7
141	15.3	14.2	21.4





#11

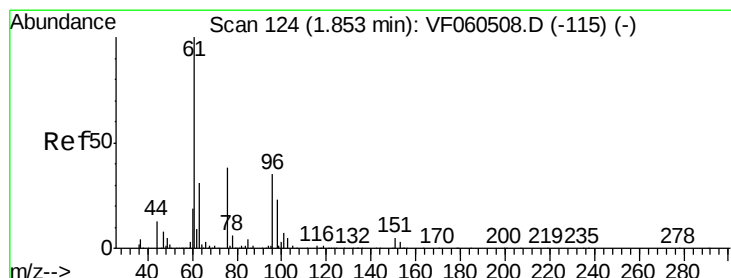
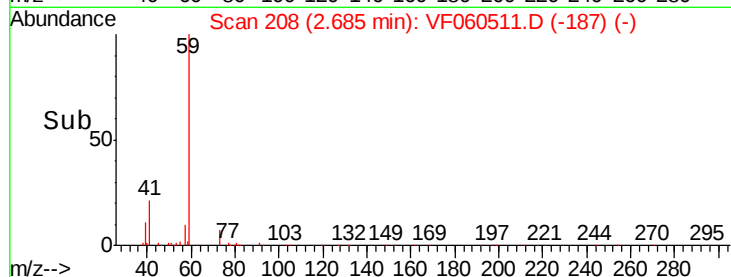
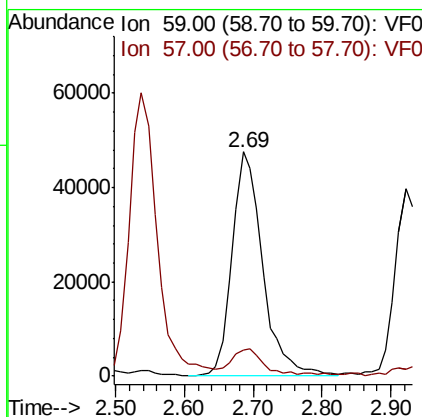
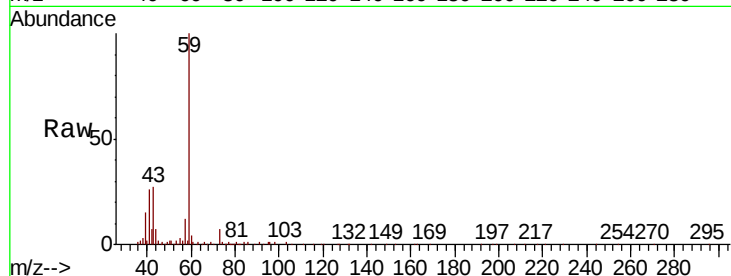
Tert butyl alcohol
Concen: 818.735 ug/l
RT: 2.69 min Scan# 208
Delta R.T. 0.00 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	15.8	23.8#

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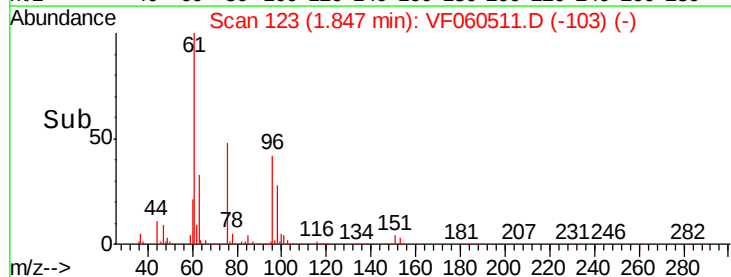
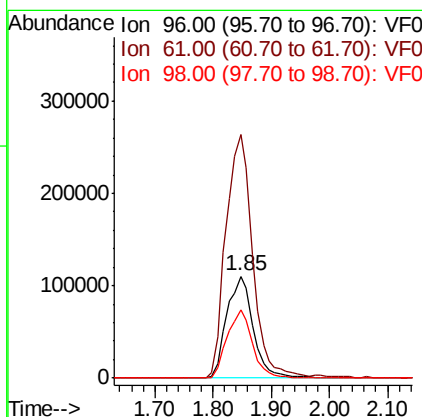
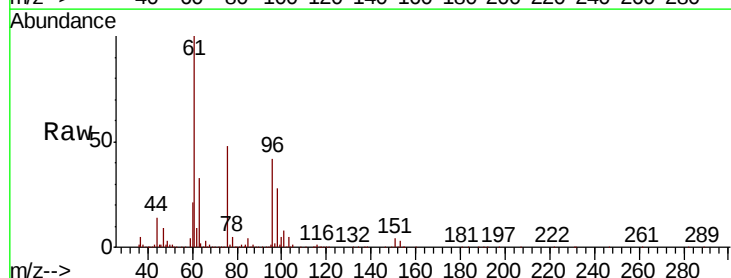
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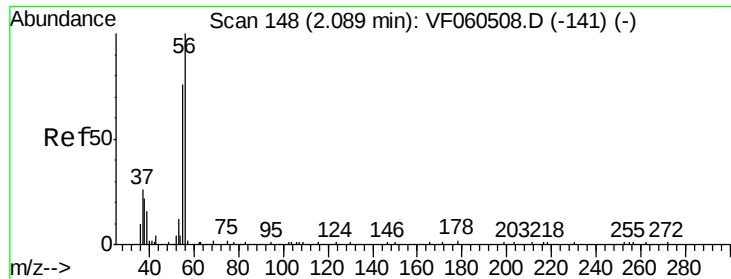


#12

1,1-Dichloroethene
Concen: 126.410 ug/l
RT: 1.85 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	239.3	231.4	347.0
98	67.0	53.3	79.9





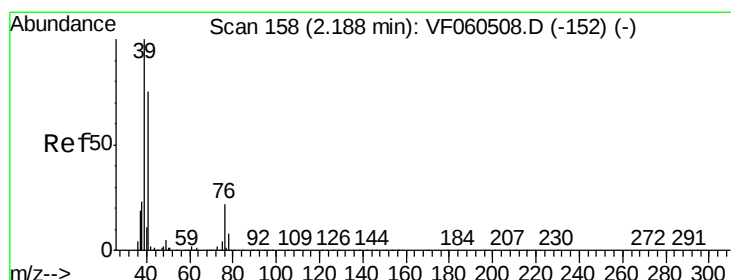
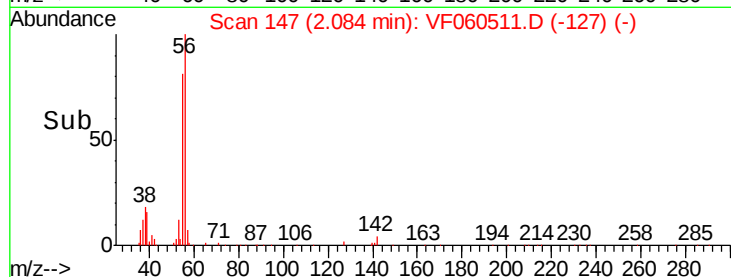
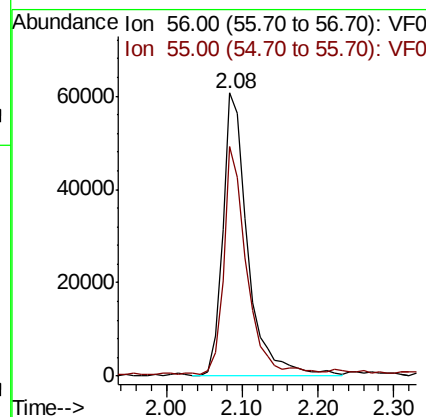
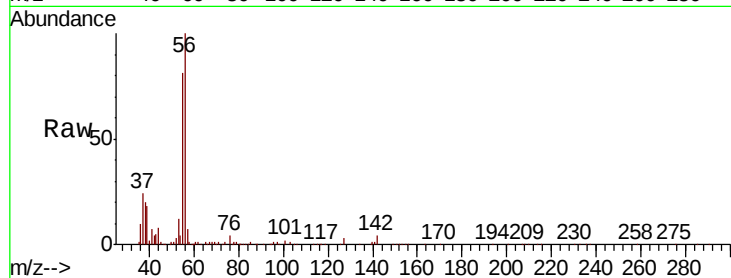
#13
Acrolein
Concen: 1280.152 ug/l
RT: 2.08 min Scan# 147
Delta R.T. -0.01 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	56	Resp	140495
Ion Ratio	100	Lower	Upper
55	81.1	63.0	94.4

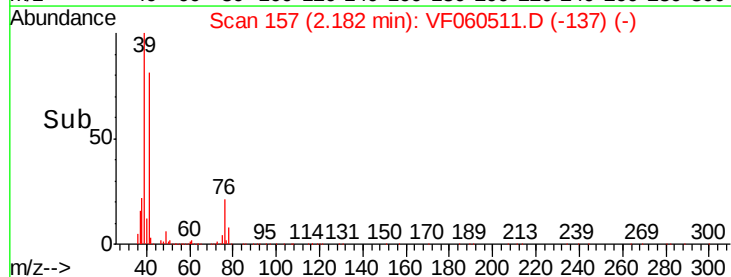
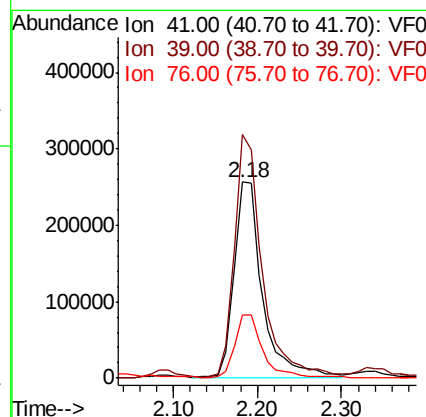
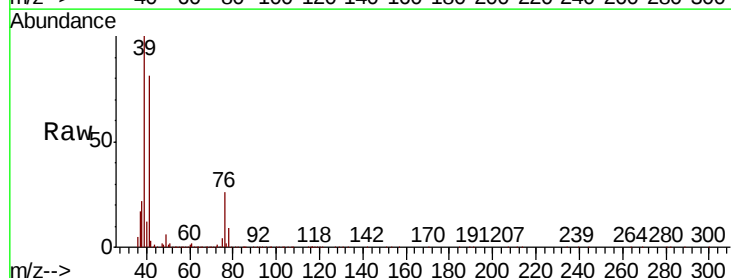
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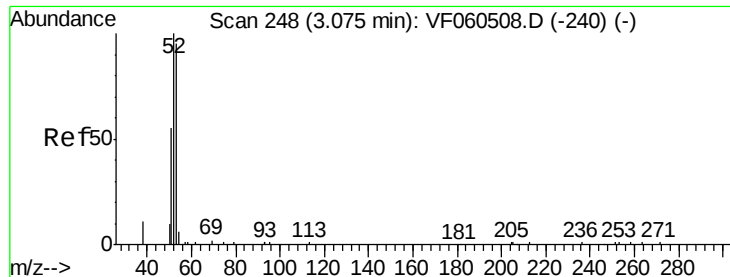
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#14
Allyl chloride
Concen: 146.954 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.01 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tgt Ion	41	Resp	596273
Ion Ratio	100	Lower	Upper
39	124.1	106.0	159.0
76	32.3	24.1	36.1





#15

Acrylonitrile

Concen: 695.561 ug/l

RT: 3.07 min Scan# 247

Delta R.T. -0.01 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

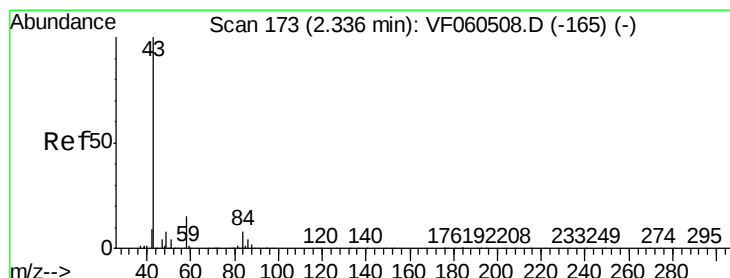
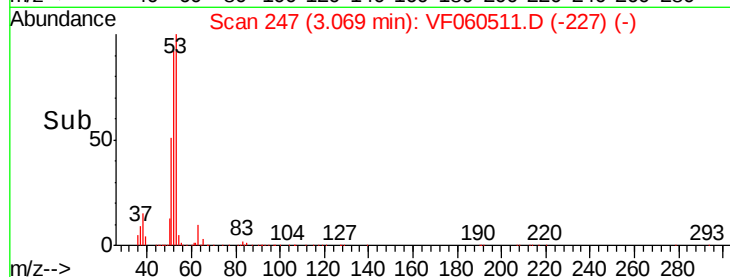
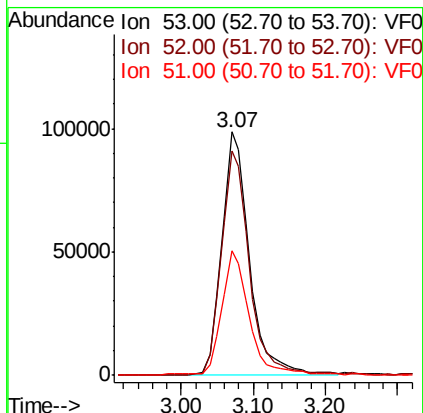
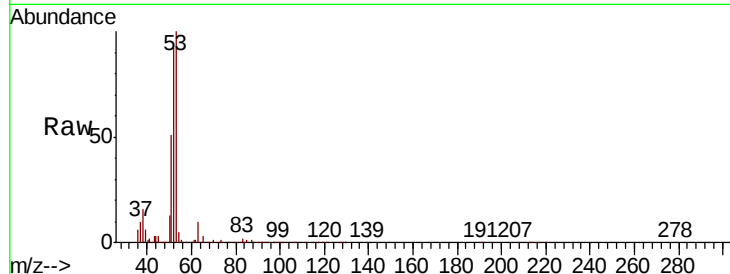
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	259359
Ion	Ratio	Lower	Upper
53	100		
52	92.0	84.0	126.0
51	51.1	48.6	73.0

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#16

Acetone

Concen: 780.889 ug/l

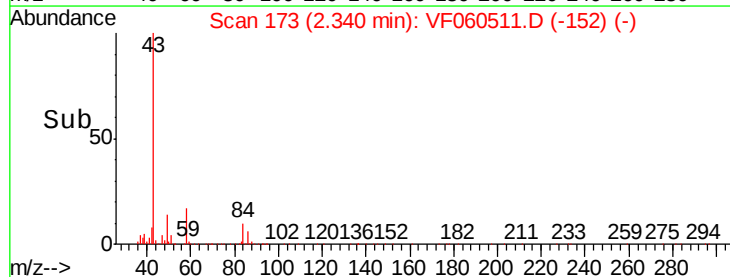
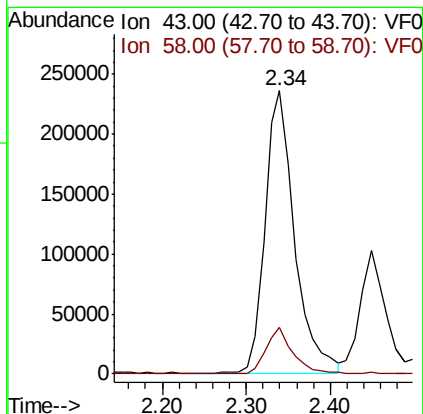
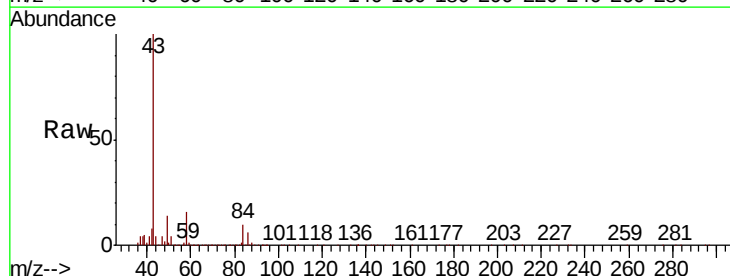
RT: 2.34 min Scan# 173

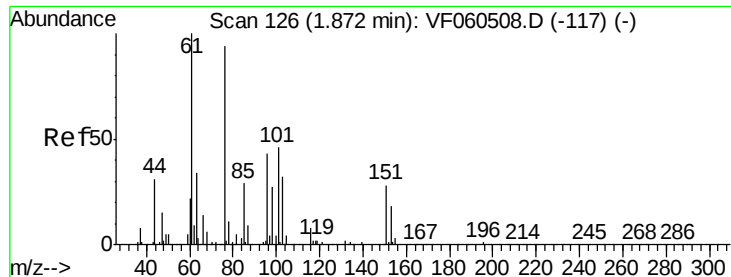
Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Tgt Ion:	43	Resp:	578394
Ion	Ratio	Lower	Upper
43	100		
58	16.4	11.7	17.5





#17

Carbon Disulfide

Concen: 122.222 ug/l m

RT: 1.84 min Scan# 122

Delta R.T. -0.03 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 935607

Ion Ratio Lower Upper

76 100

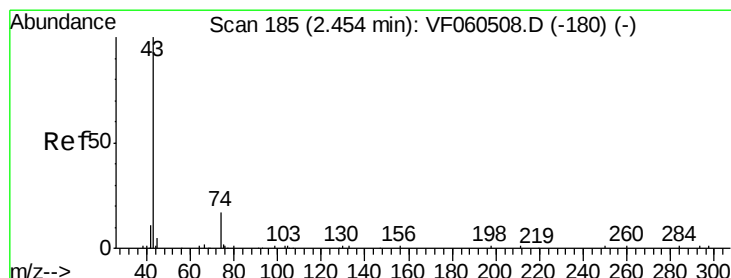
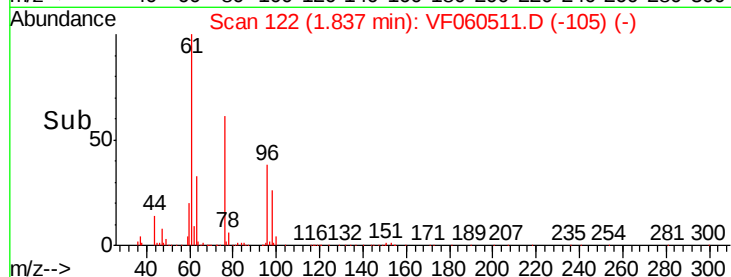
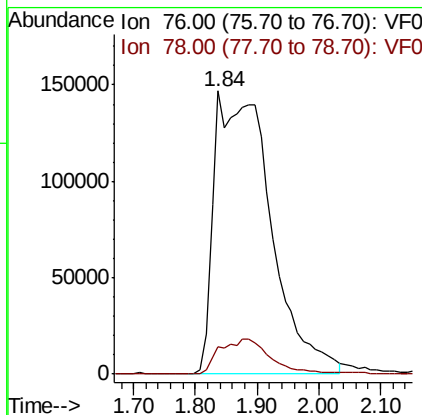
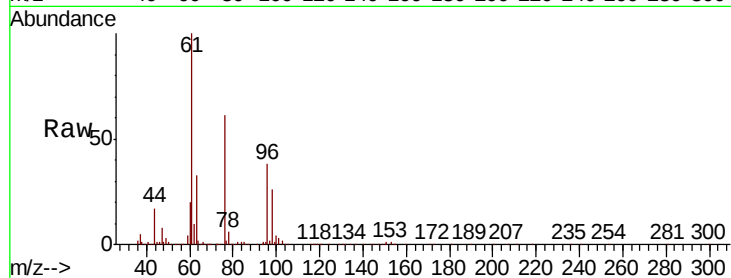
78 9.9 9.2 13.8

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#18

Methyl Acetate

Concen: 142.904 ug/l

RT: 2.45 min Scan# 184

Delta R.T. -0.01 min

Lab File: VF060511.D

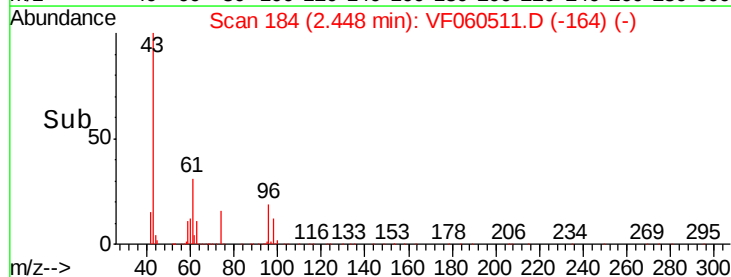
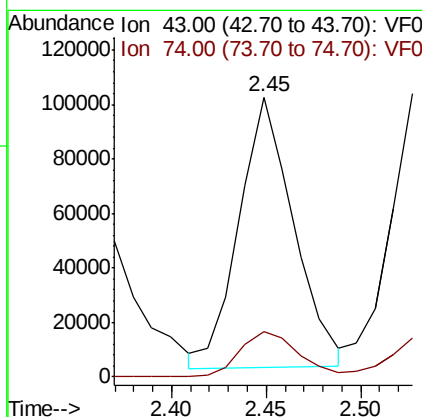
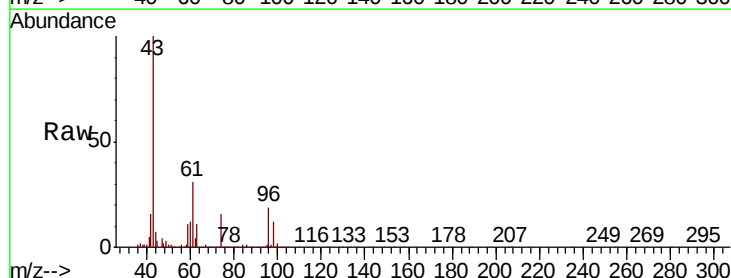
Acq: 25 Oct 2018 16:59

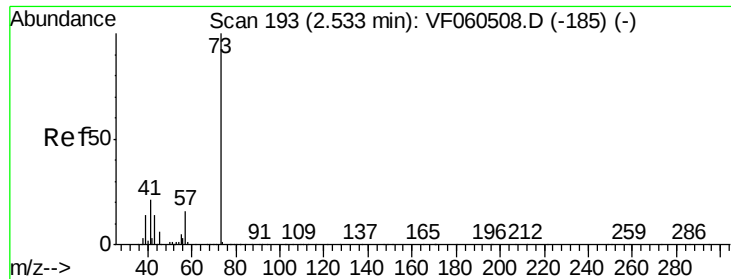
Tgt Ion: 43 Resp: 200613

Ion Ratio Lower Upper

43 100

74 16.2 12.1 18.1





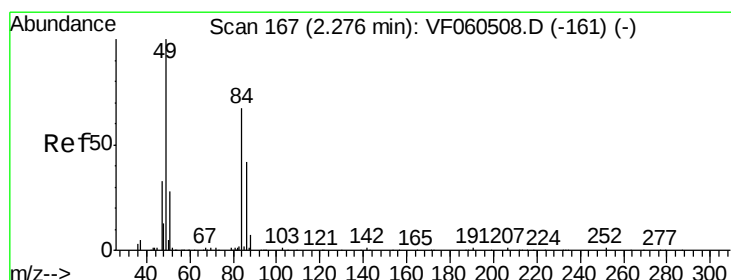
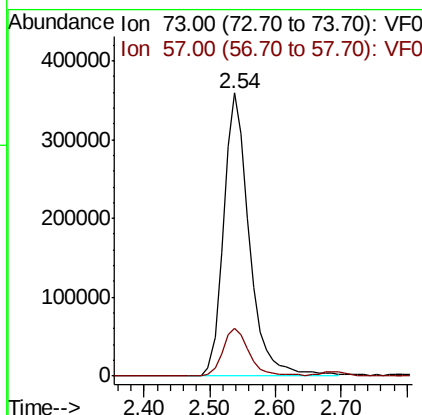
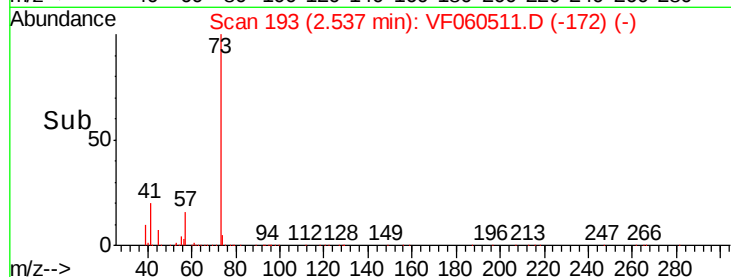
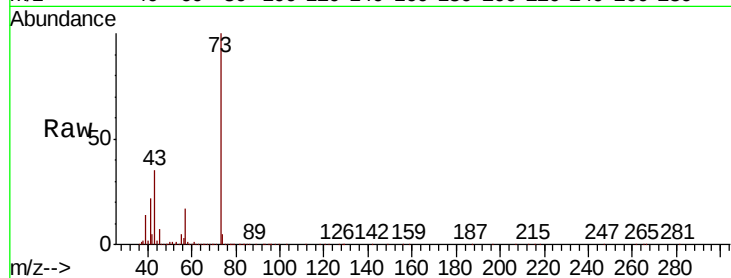
#19
Methvl tert-butvl Ether
Concen: 157.789 ug/l
RT: 2.54 min Scan# 193
Delta R.T. 0.00 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.7	13.3	19.9

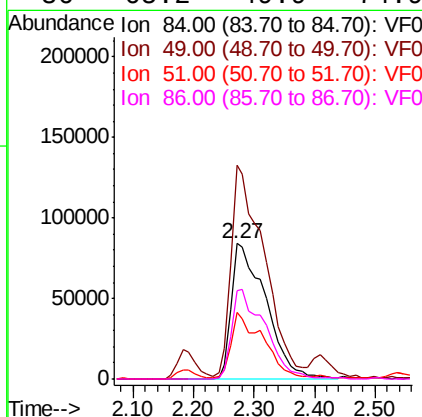
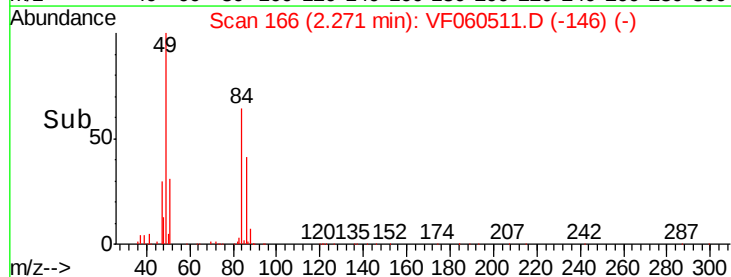
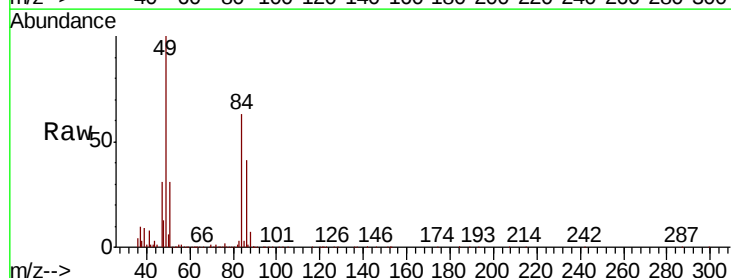
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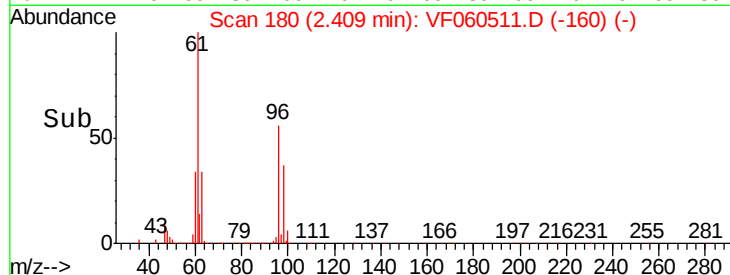
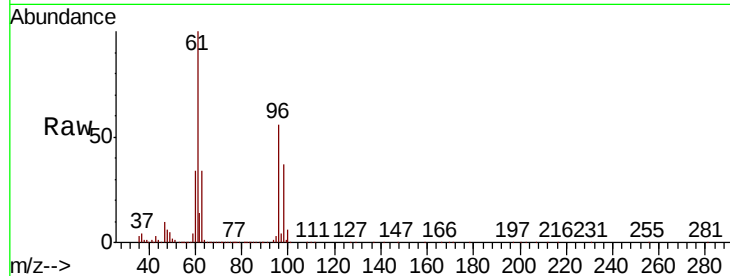
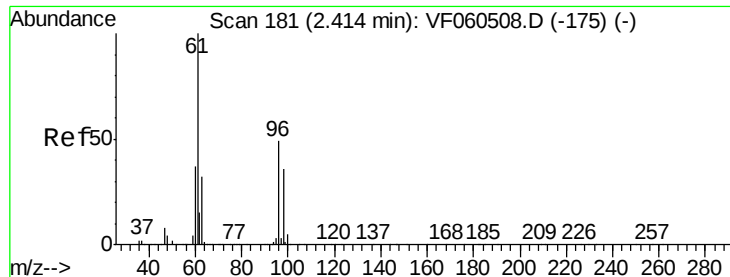
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#20
Methylene Chloride
Concen: 129.390 ug/l
RT: 2.27 min Scan# 166
Delta R.T. -0.01 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.6	123.1	184.7
51	48.9	35.3	52.9
86	65.2	49.9	74.9





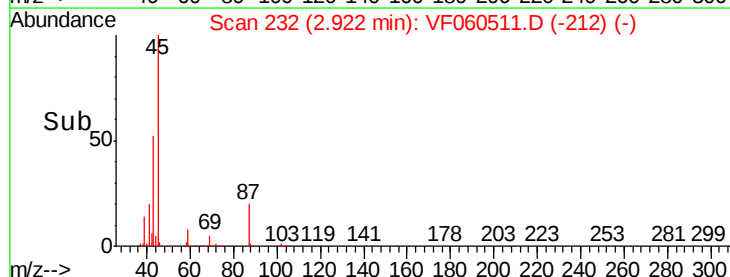
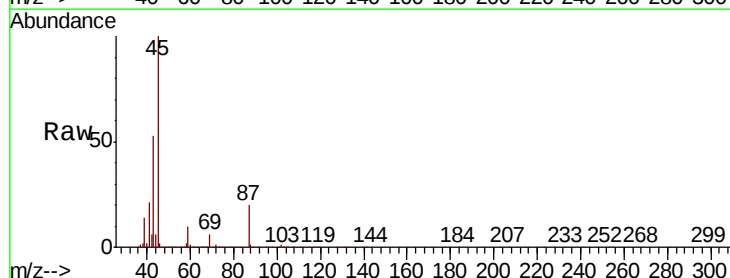
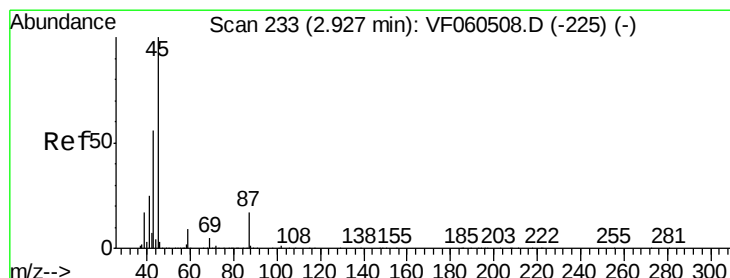
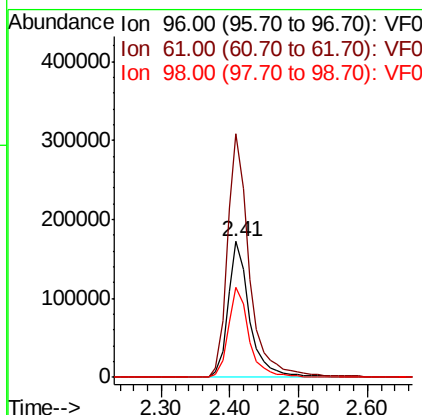
#21
trans-1,2-Dichloroethene
Concen: 143.883 ug/l
RT: 2.41 min Scan# 180
Delta R.T. -0.01 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tot Ion	Ratio	Lower	Upper
96	100		
61	179.6	162.5	243.7
98	66.7	58.5	87.7

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

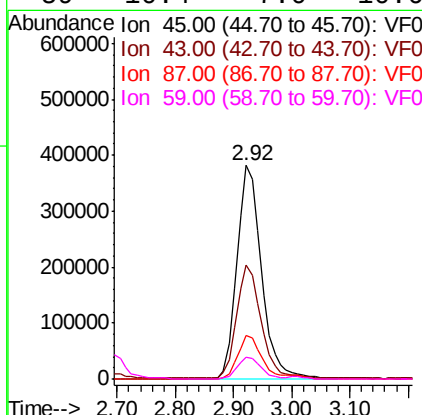
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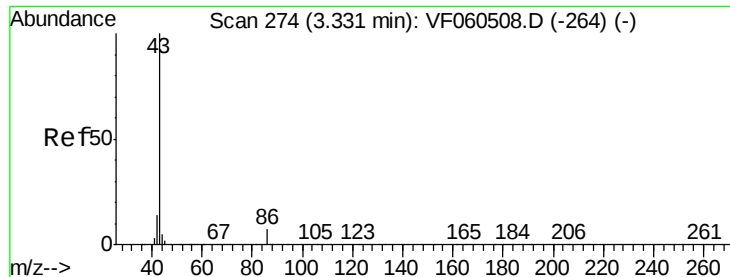
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#22
Diisopropyl ether
Concen: 134.288 ug/l
RT: 2.92 min Scan# 232
Delta R.T. -0.01 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.3	45.2	67.8
87	20.3	13.4	20.2
59	10.4	7.0	10.6





#23

Vinyl Acetate

Concen: 678.386 ug/l

RT: 3.34 min Scan# 274

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1980713

Ion Ratio Lower Upper

43 100

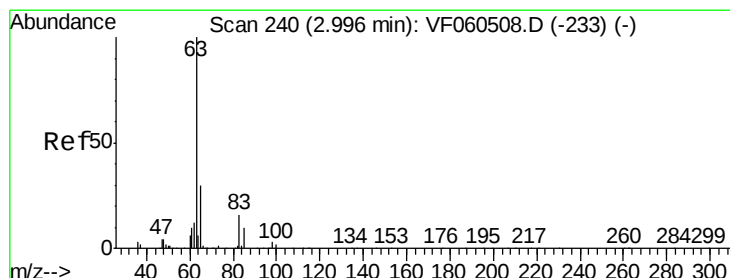
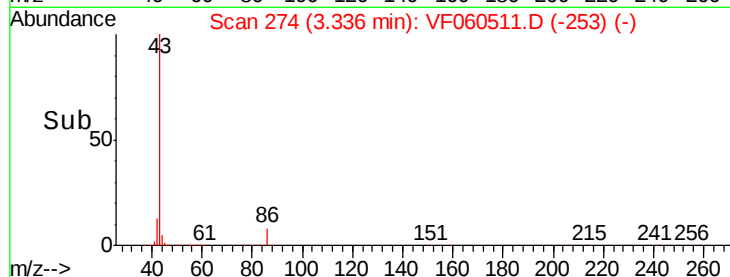
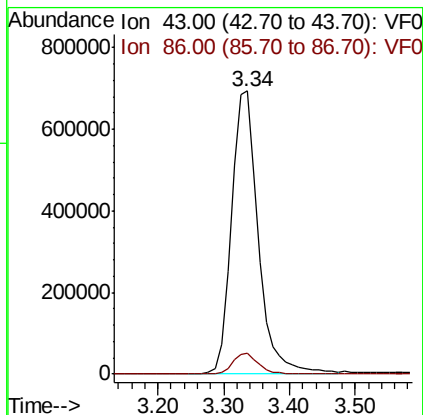
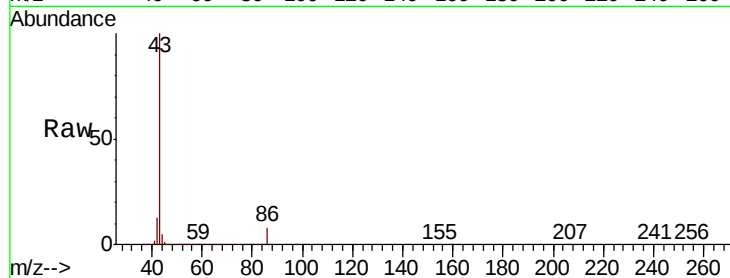
86 7.5 5.3 7.9

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#24

1,1-Dichloroethane

Concen: 140.835 ug/l

RT: 3.00 min Scan# 240

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

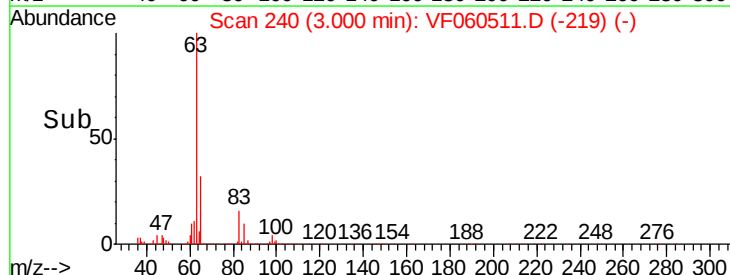
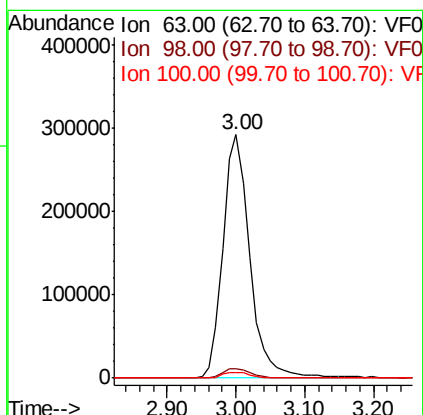
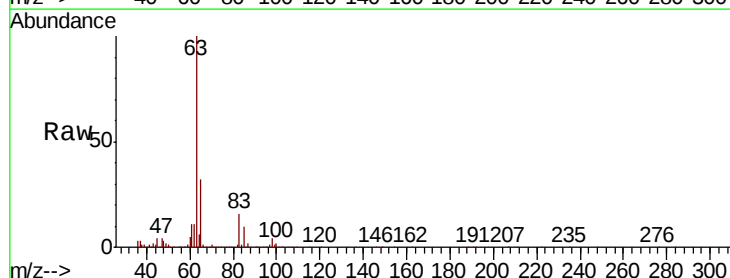
Tgt Ion: 63 Resp: 788299

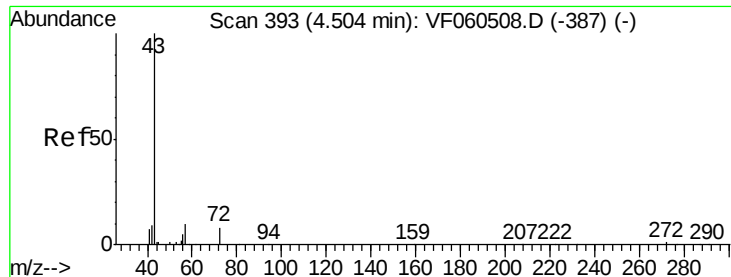
Ion Ratio Lower Upper

63 100

98 4.1 1.7 5.0

100 2.4 1.1 3.3





#25

2-Butanone

Concen: 699.759 ug/l

RT: 4.51 min Scan# 393

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 564199

Ion Ratio Lower Upper

43 100

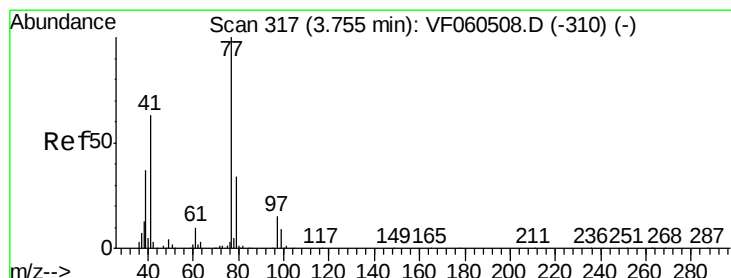
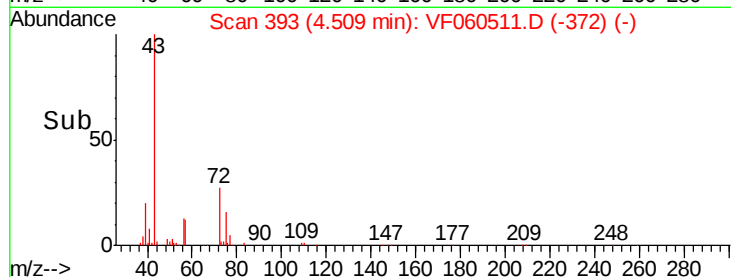
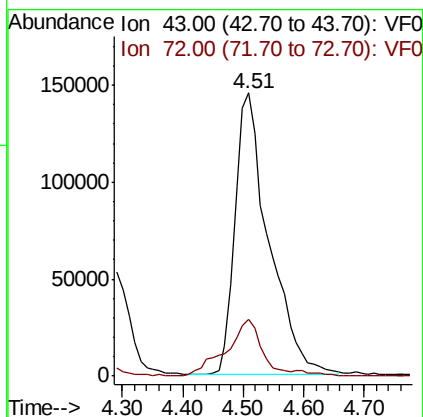
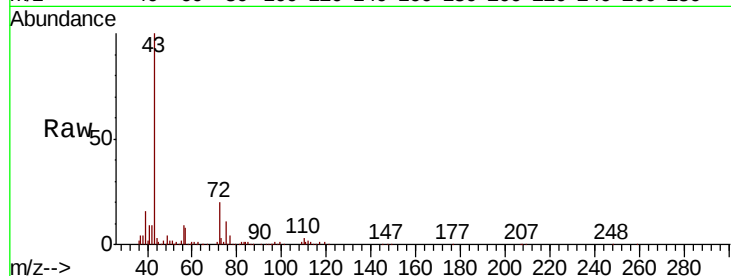
72 20.2 13.0 19.6#

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#26

2,2-Dichloropropane

Concen: 178.290 ug/l

RT: 3.76 min Scan# 317

Delta R.T. 0.00 min

Lab File: VF060511.D

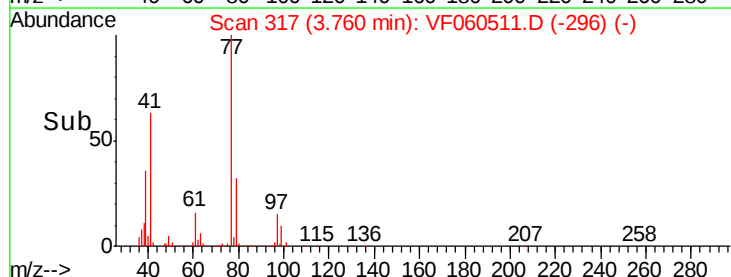
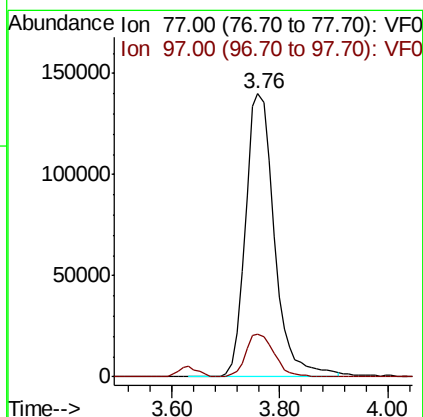
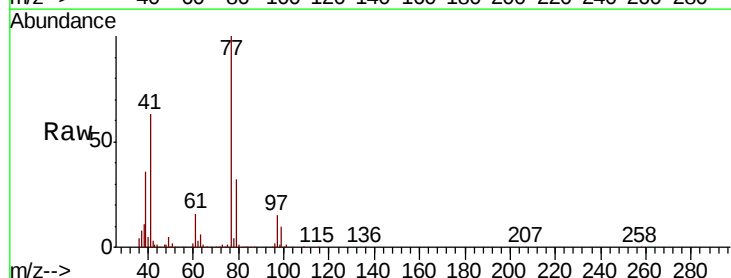
Acq: 25 Oct 2018 16:59

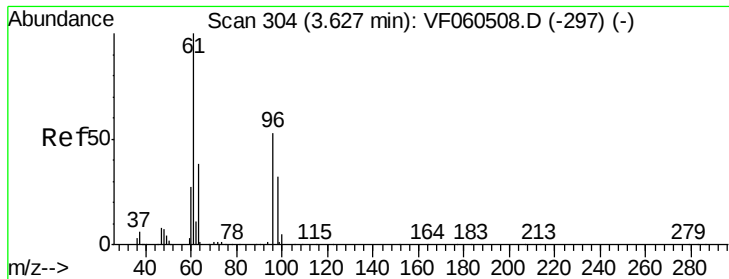
Tgt Ion: 77 Resp: 520327

Ion Ratio Lower Upper

77 100

97 14.9 7.9 23.7





#27

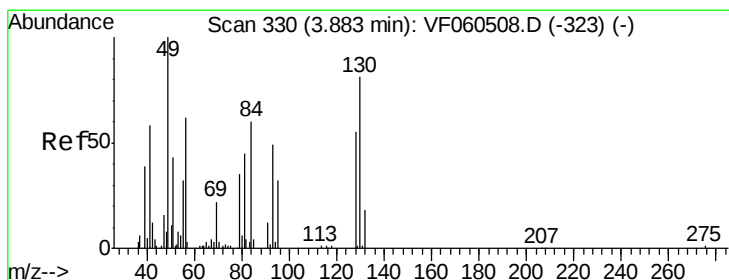
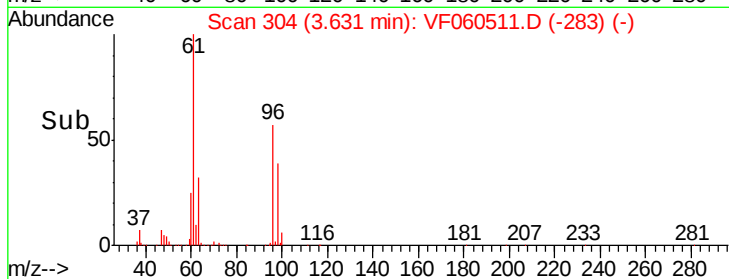
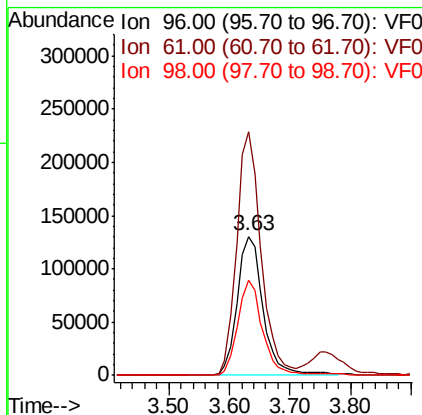
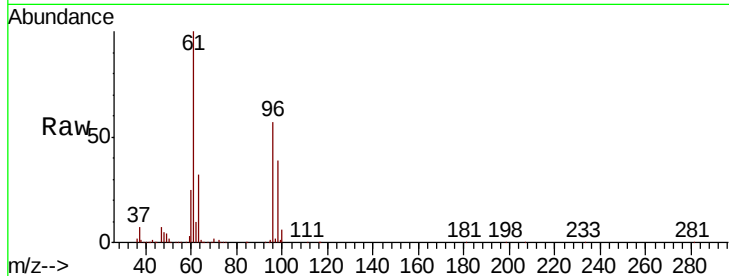
cis-1,2-Dichloroethene
Concen: 129.907 ug/l
RT: 3.63 min Scan# 304
Delta R.T. 0.00 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	389595		
61	175.2	0.0	377.0	
98	68.6	0.0	122.4	

Manual Integrations
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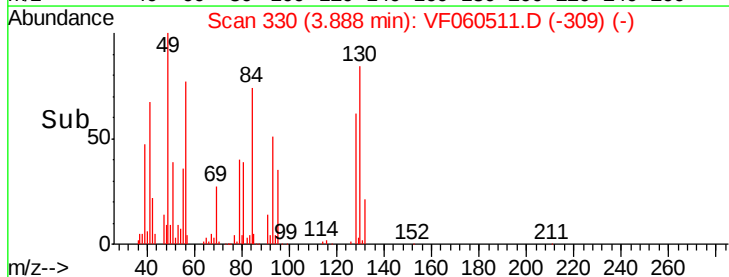
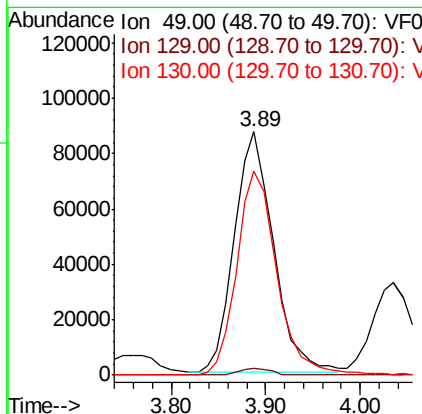
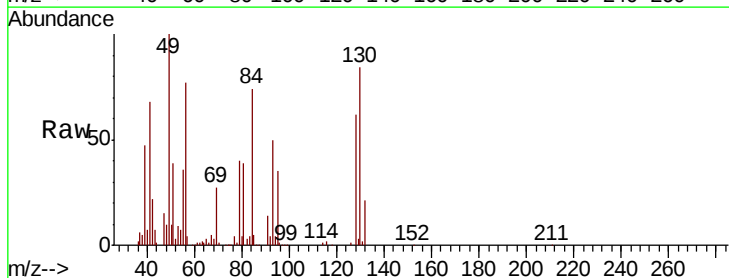
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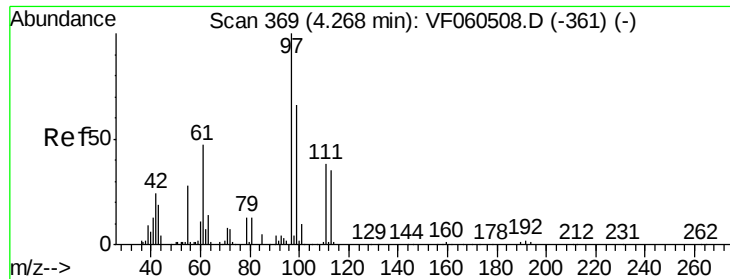


#28

Bromochloromethane
Concen: 128.396 ug/l
RT: 3.89 min Scan# 330
Delta R.T. 0.00 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	249619		
129	2.8	0.0	2.0#	
130	83.9	65.0	97.4	





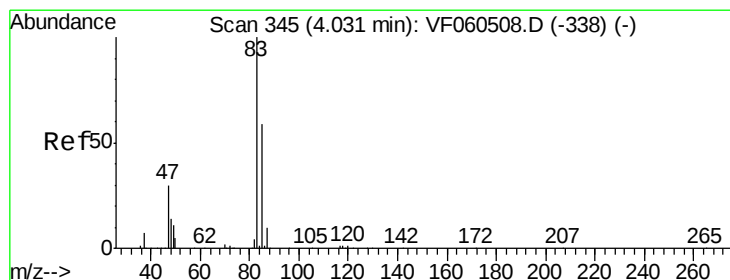
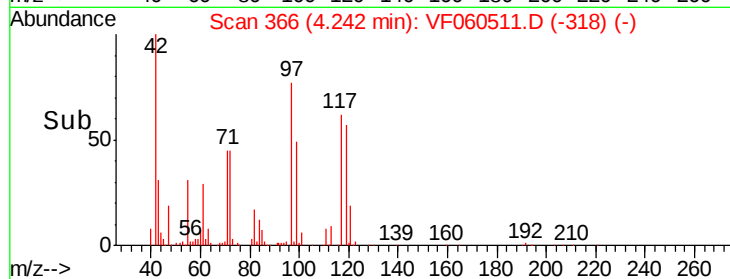
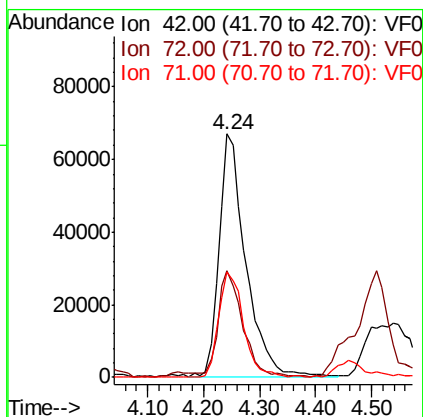
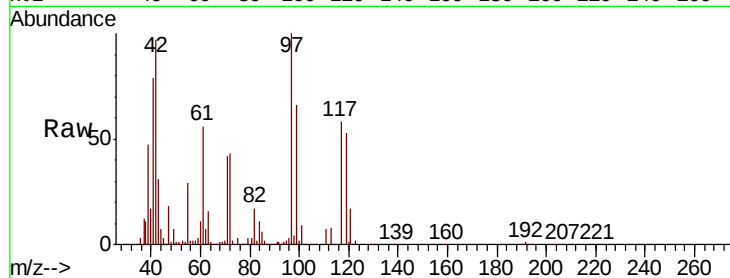
#29
Tetrahydrofuran
Concen: 643.891 ug/l
RT: 4.24 min Scan# 366
Delta R.T. -0.03 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	32.1	48.1
71	41.2	29.7	44.5

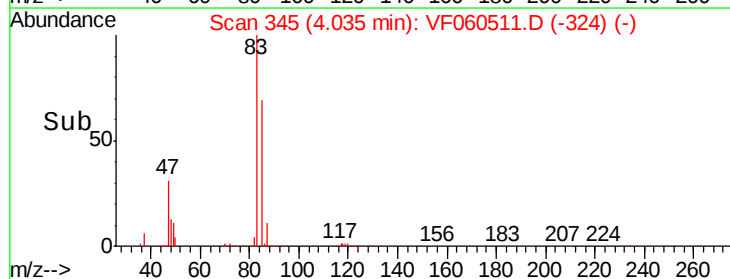
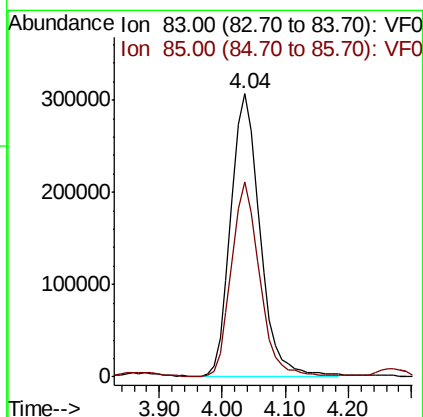
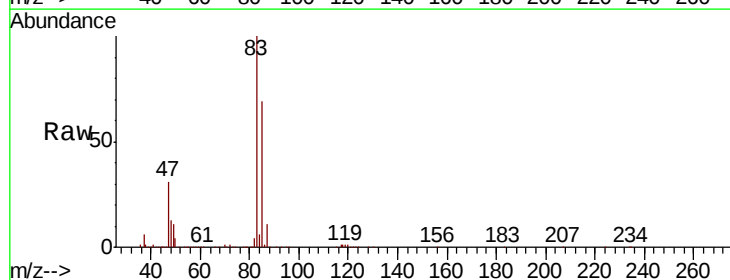
Manual Integrations
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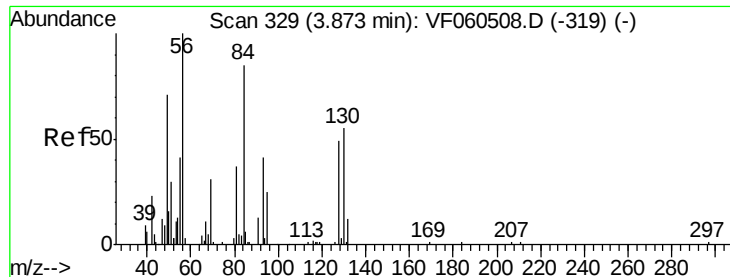
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#30
Chloroform
Concen: 150.943 ug/l
RT: 4.04 min Scan# 345
Delta R.T. 0.00 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.1	47.4	71.2





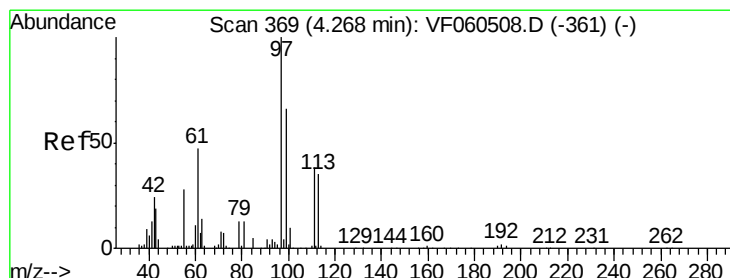
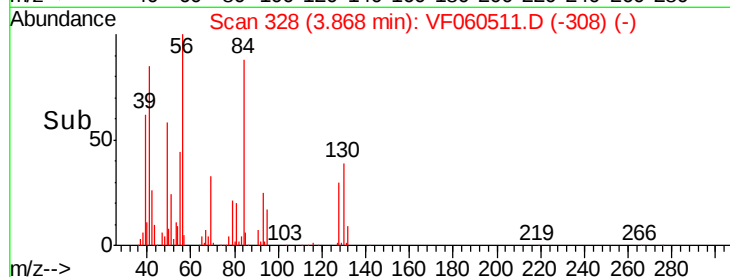
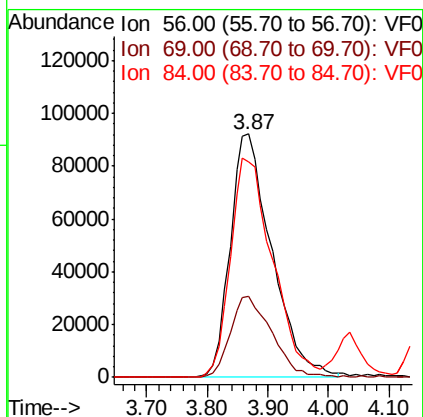
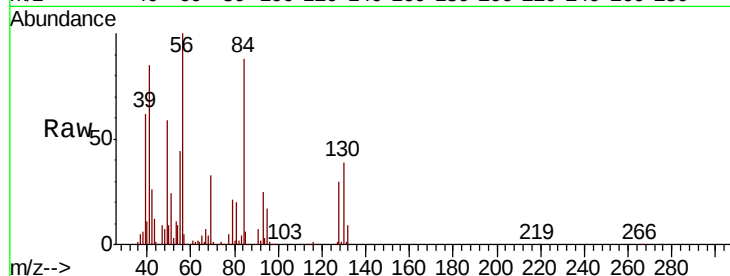
#31
Cyclohexane
Concen: 122.757 ug/l
RT: 3.87 min Scan# 328
Delta R.T. -0.01 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	24.6	37.0
84	88.4	68.2	102.2

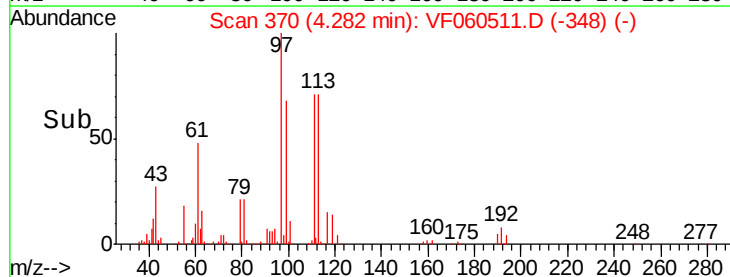
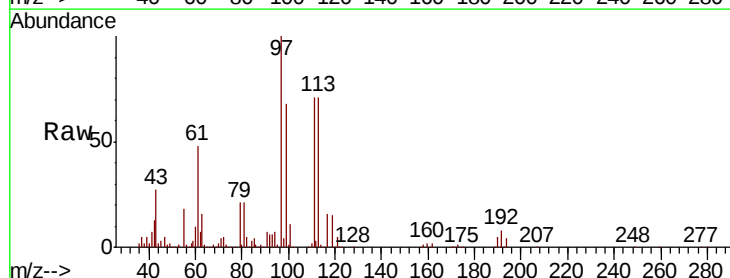
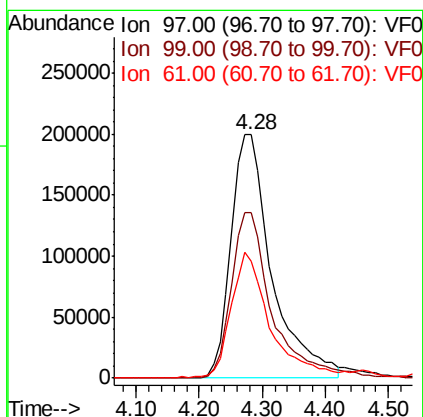
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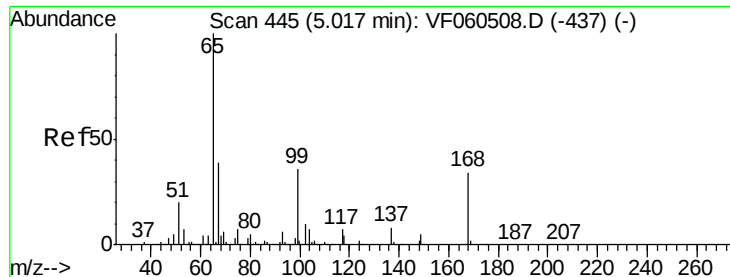
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#32
1,1,1-Trichloroethane
Concen: 175.984 ug/l
RT: 4.28 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.1	53.0	79.6
61	48.1	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 173.308 ug/l

RT: 5.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 585817

Ion Ratio Lower Upper

65 100

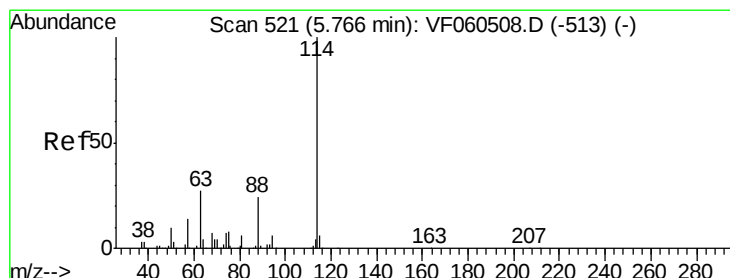
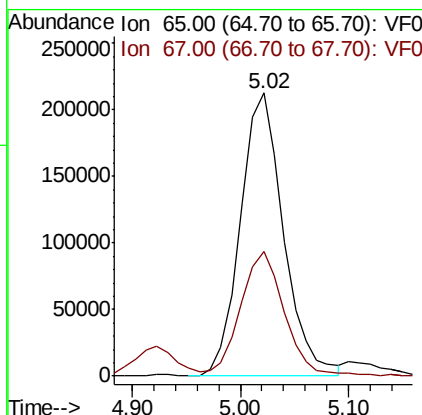
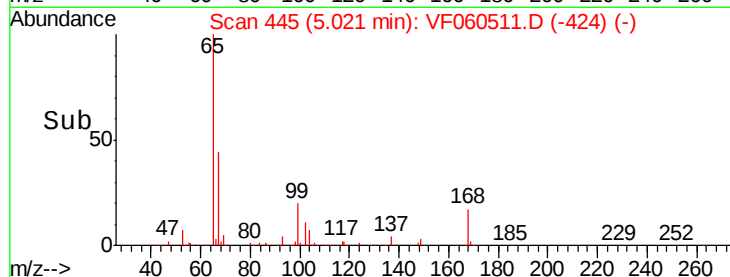
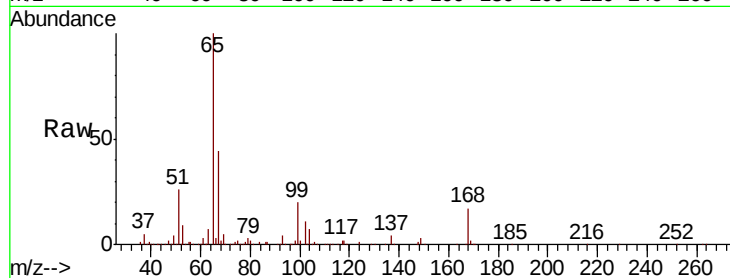
67 44.0 0.0 85.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 521

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

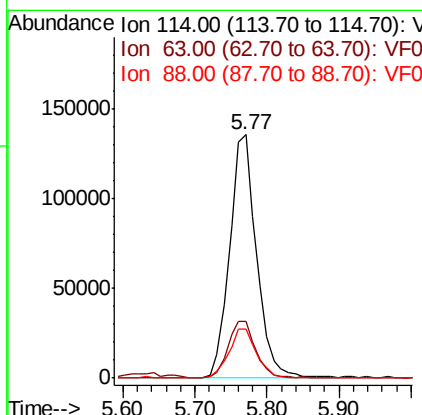
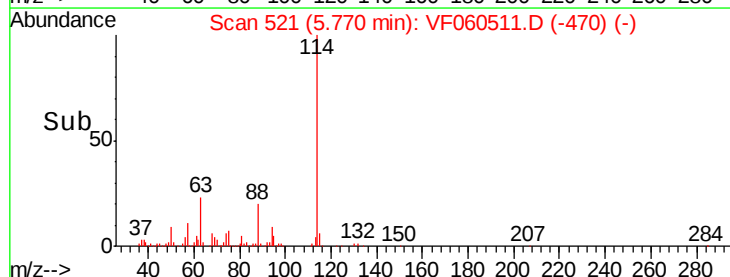
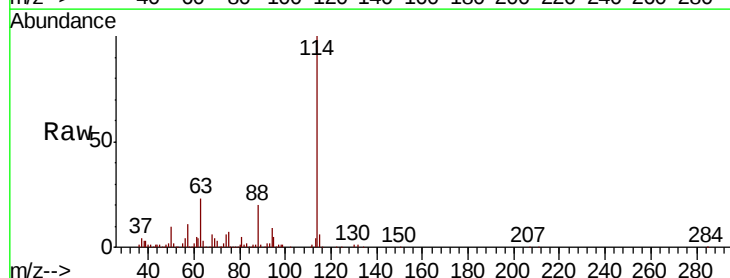
Tgt Ion: 114 Resp: 353402

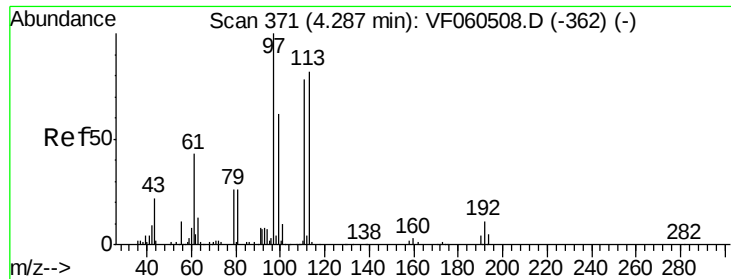
Ion Ratio Lower Upper

114 100

63 23.4 0.0 54.4

88 20.4 0.0 47.2





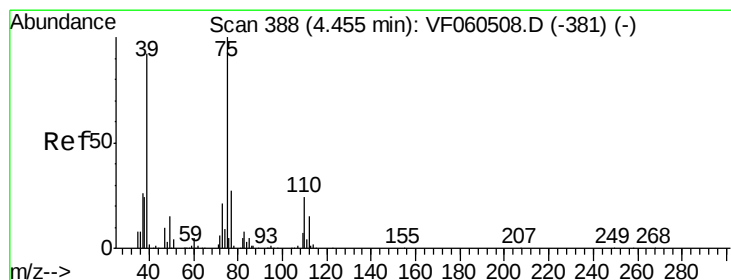
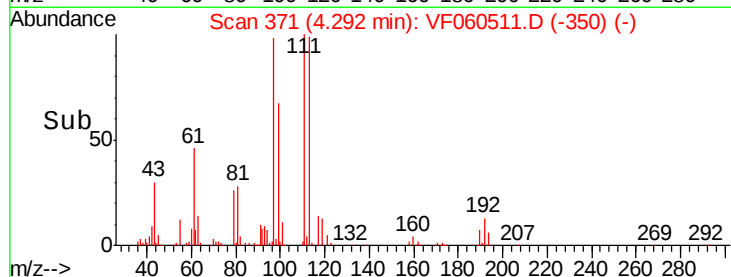
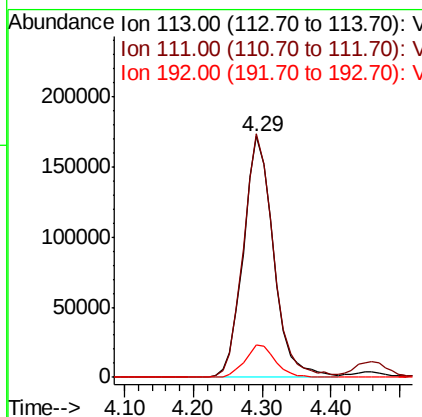
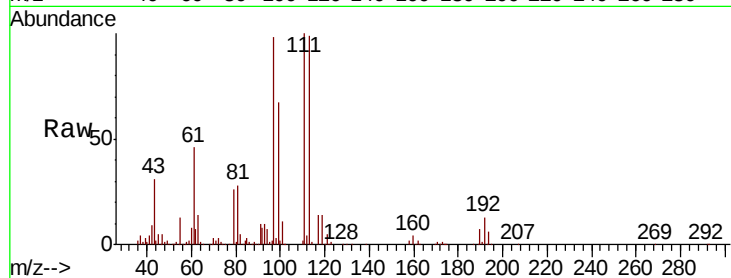
#35
 Dibromofluoromethane
 Concen: 160.923 ug/l
 RT: 4.29 min Scan# 371
 Delta R.T. 0.00 min
 Lab File: VF060511.D
 Acq: 25 Oct 2018 16:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	75.9	113.9
192	13.6	10.6	15.8

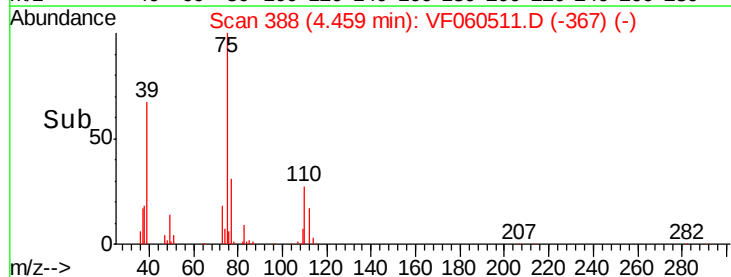
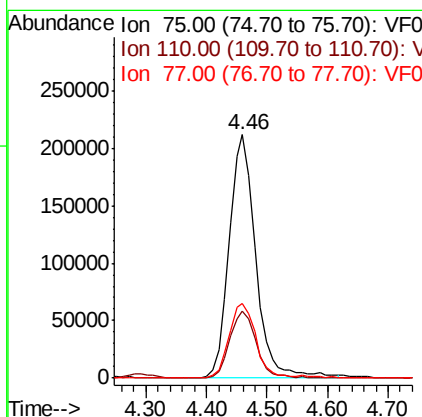
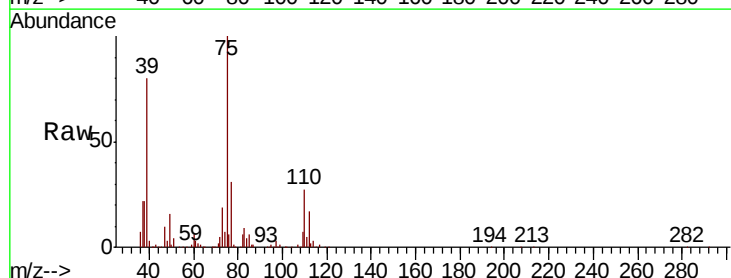
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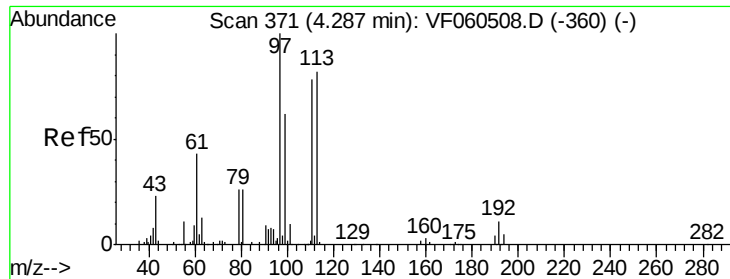
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#36
 1,1-Dichloropropene
 Concen: 157.833 ug/l
 RT: 4.46 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VF060511.D
 Acq: 25 Oct 2018 16:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	27.3	12.1	36.3
77	30.8	21.8	32.6





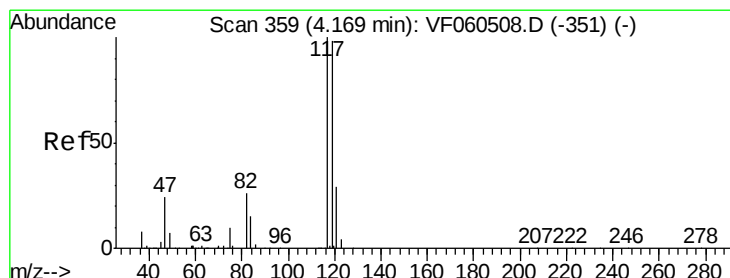
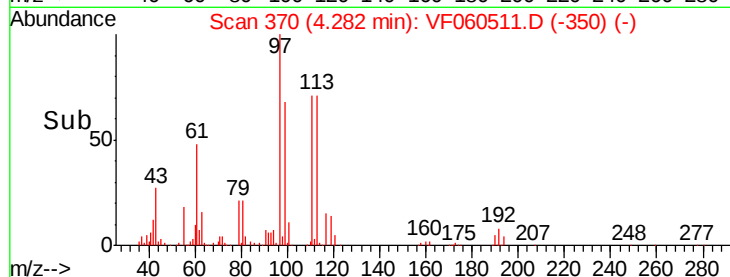
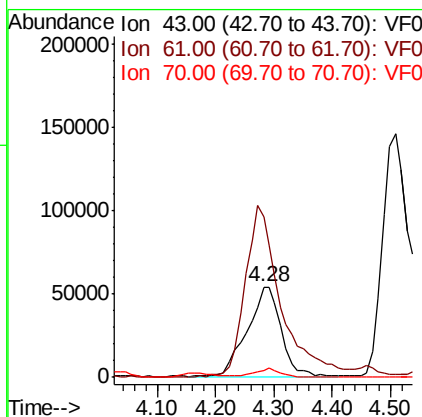
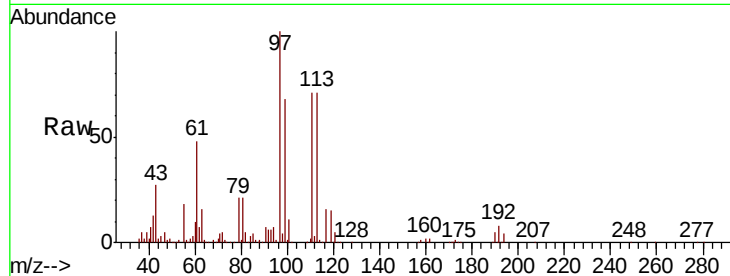
#37
Ethyl Acetate
Concen: 150.396 ug/l
RT: 4.28 min Scan# 370
Delta R.T. -0.01 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	177.6	148.5	222.7
70	7.5	4.7	7.1#

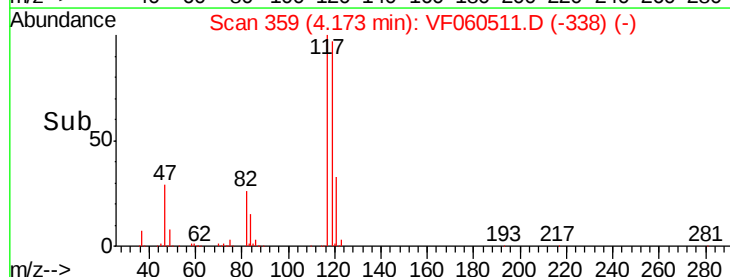
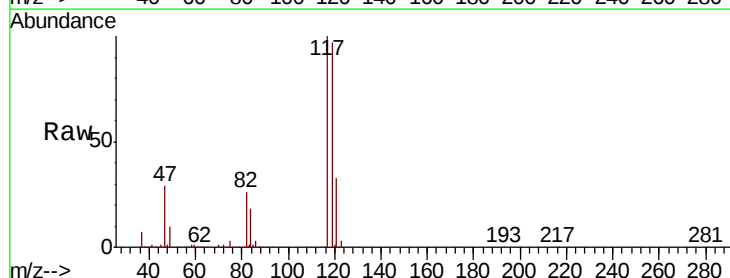
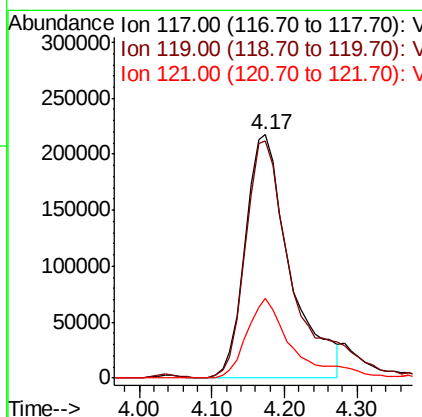
Manual Integrations
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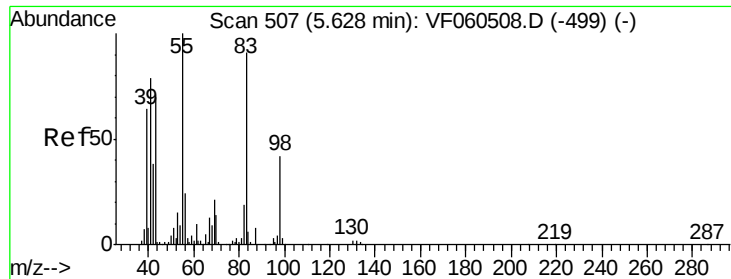
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#38
Carbon Tetrachloride
Concen: 226.070 ug/l m
RT: 4.17 min Scan# 359
Delta R.T. 0.00 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.4	78.3	117.5
121	33.0	23.3	34.9





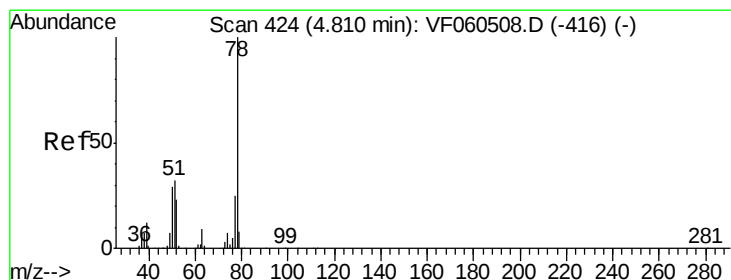
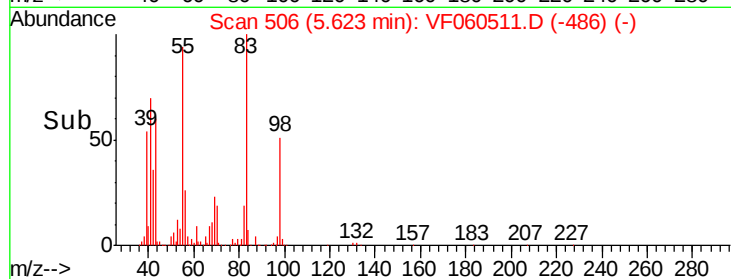
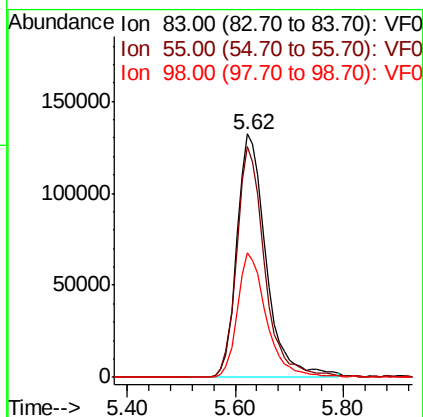
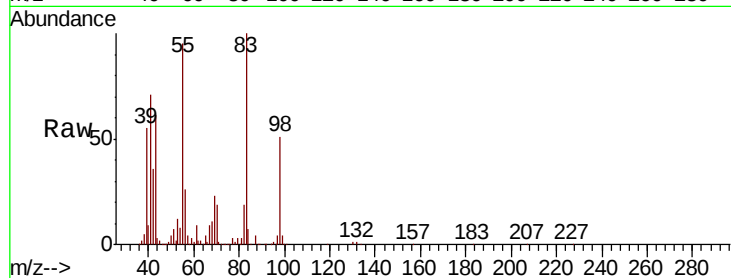
#39
Methvlcvclohexane
Concen: 128.887 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.01 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.6	87.9	131.9
98	51.0	37.0	55.6

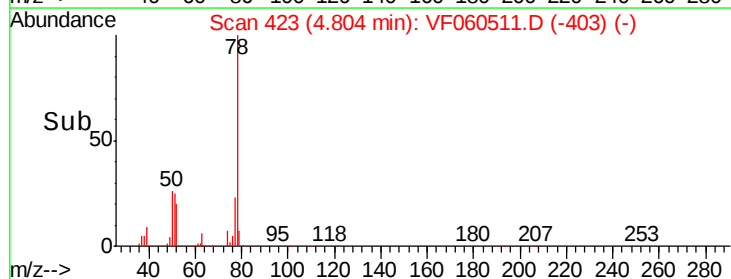
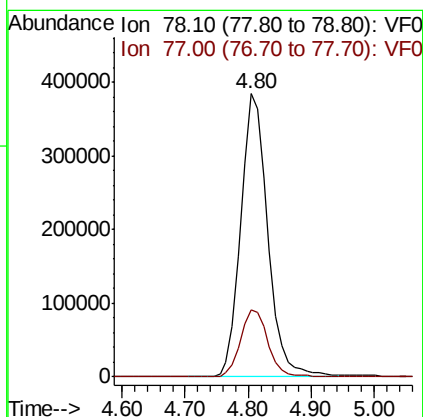
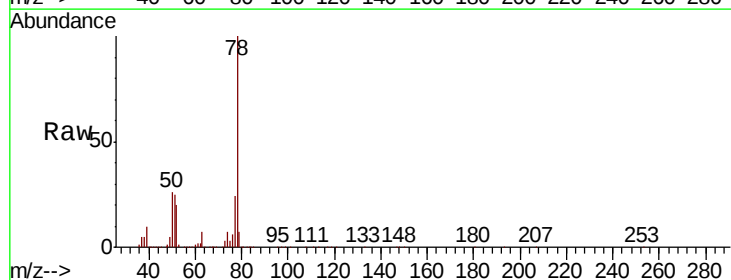
Manual Integrations
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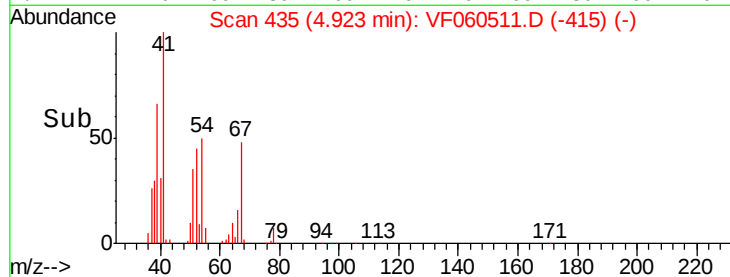
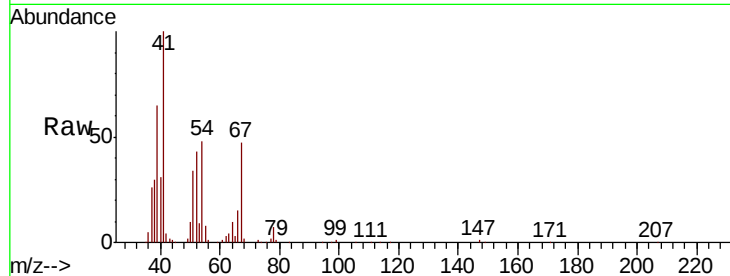
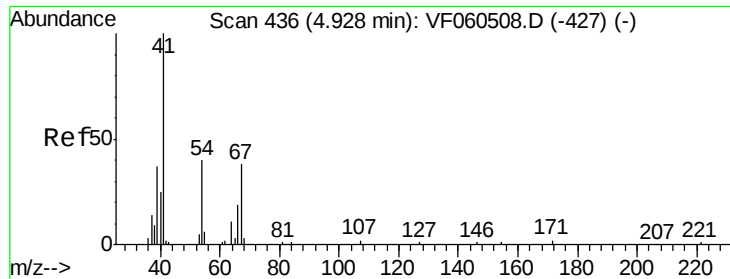
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#40
Benzene
Concen: 135.449 ug/l
RT: 4.80 min Scan# 423
Delta R.T. -0.01 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	20.2	30.4





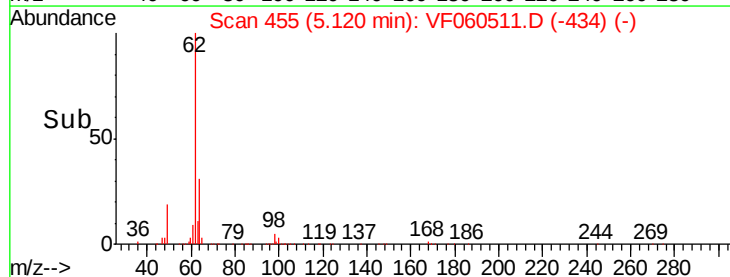
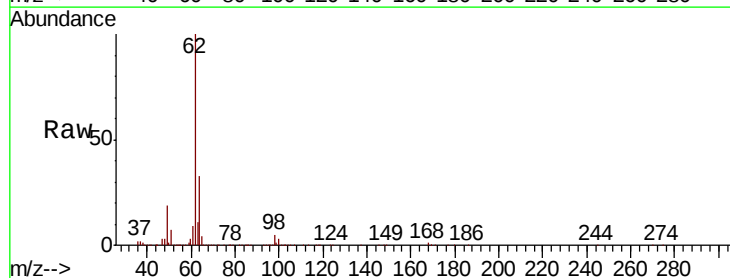
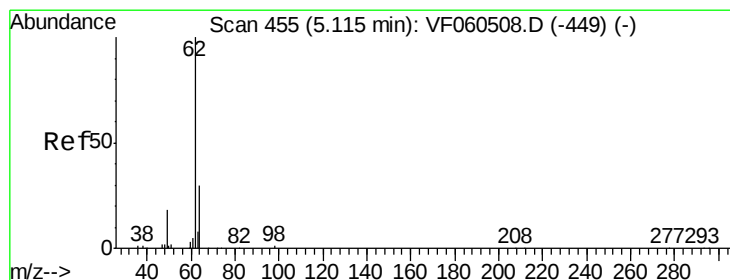
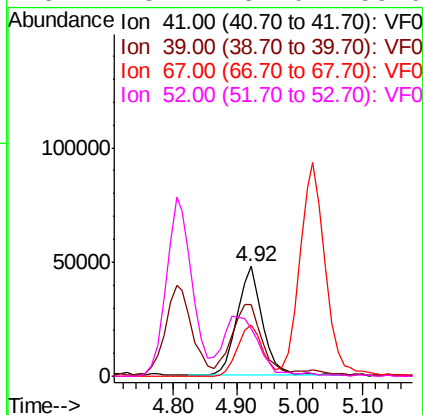
#41
Methacrylonitrile
Concen: 159.388 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	65.0	55.2	82.8		
67	46.5	29.8	44.8		
52	43.2	37.0	55.6		

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

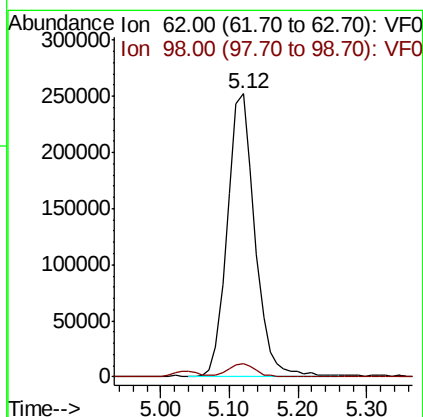
Manual Integrations
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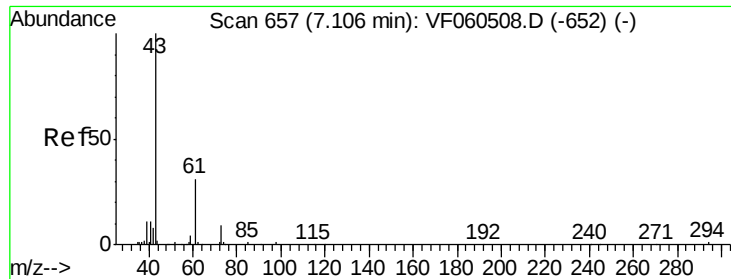
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#42
1,2-Dichloroethane
Concen: 182.378 ug/l
RT: 5.12 min Scan# 455
Delta R.T. 0.00 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	4.7	0.0	9.4		





#43

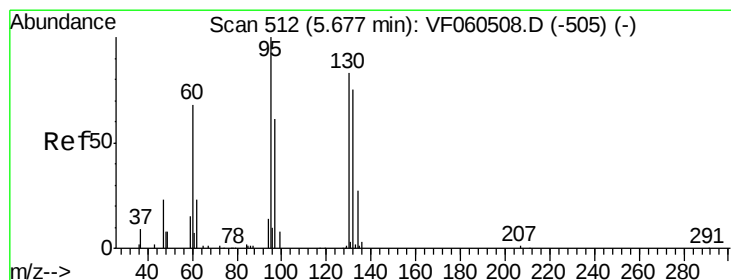
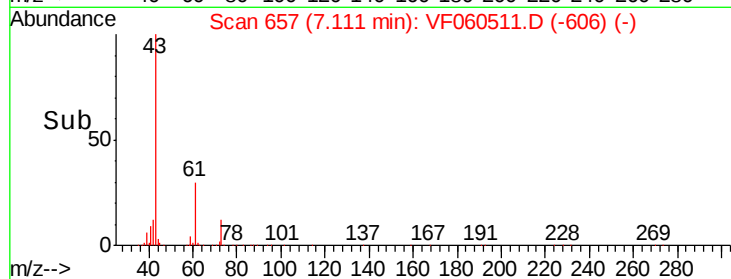
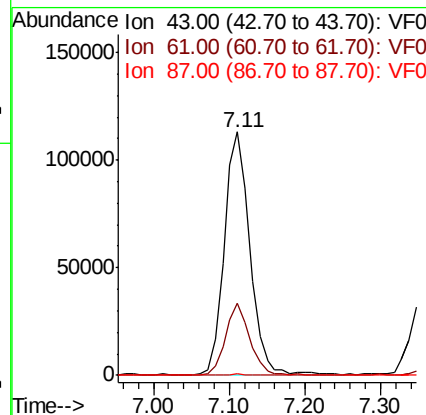
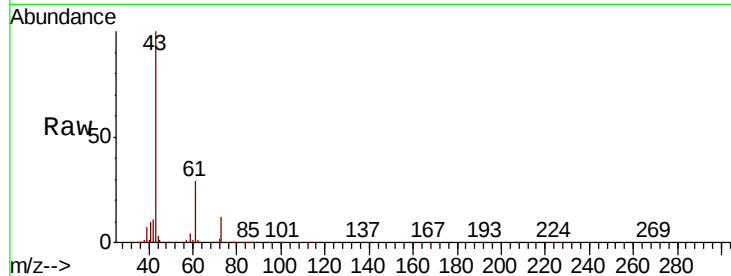
Isopropyl Acetate
 Concen: 146.564 ug/l
 RT: 7.11 min Scan# 657
 Delta R.T. 0.00 min
 Lab File: VF060511.D
 Acq: 25 Oct 2018 16:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.5	24.4	36.6
87	0.5	0.0	0.0#

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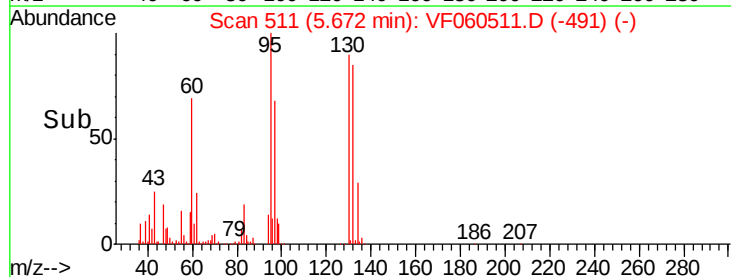
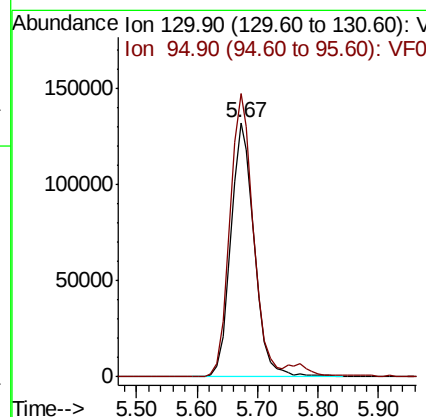
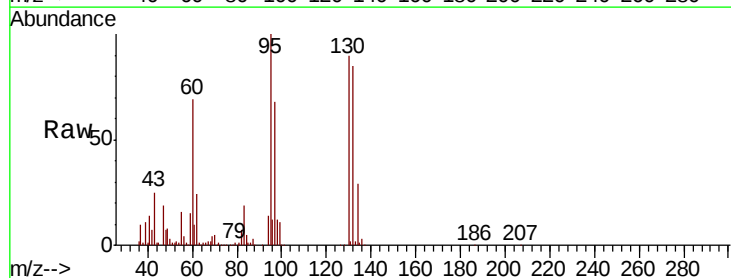
apatel
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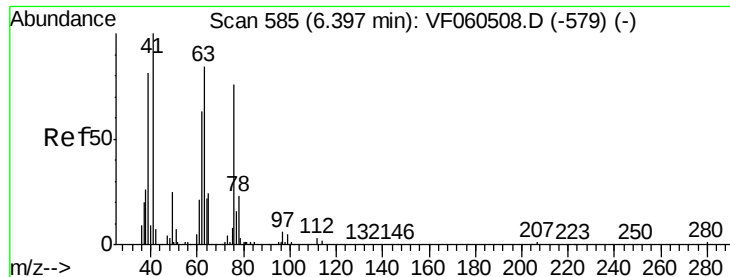


#44

Trichloroethene
 Concen: 134.870 ug/l
 RT: 5.67 min Scan# 511
 Delta R.T. -0.01 min
 Lab File: VF060511.D
 Acq: 25 Oct 2018 16:59

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.4	0.0	242.8





#45

1,2-Dichloropropane

Concen: 136.444 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 281904

Ion Ratio Lower Upper

63 100

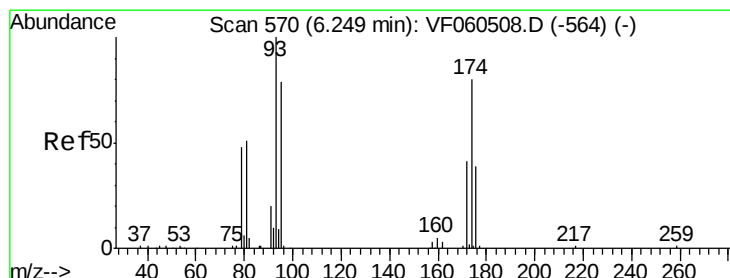
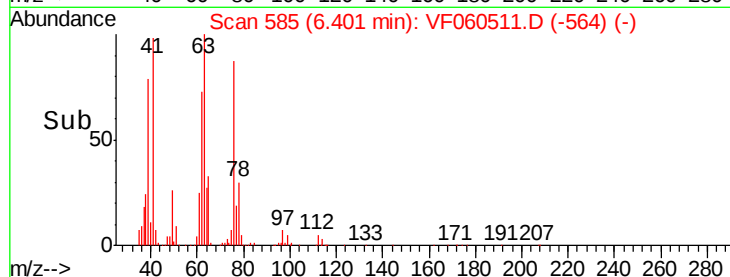
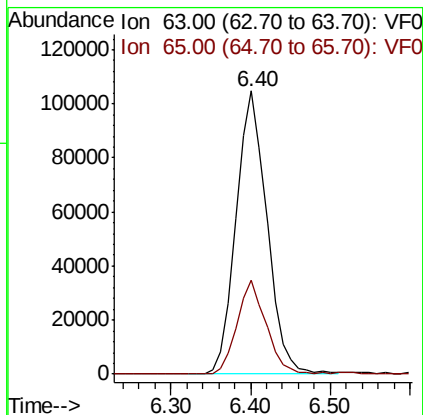
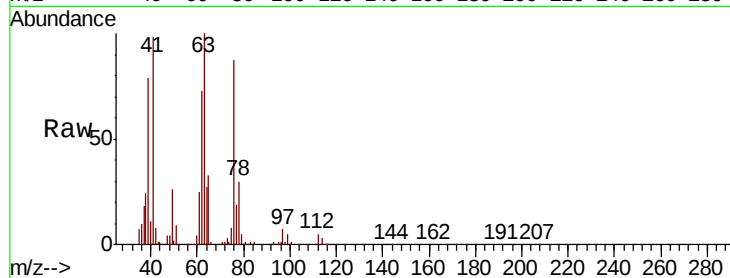
65 33.0 22.7 34.1

Manual Integrations

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#46

Dibromomethane

Concen: 156.017 ug/l

RT: 6.25 min Scan# 570

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

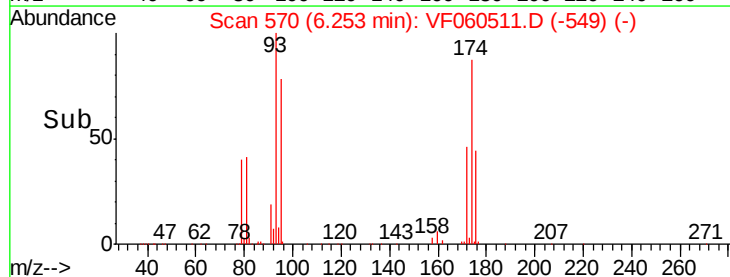
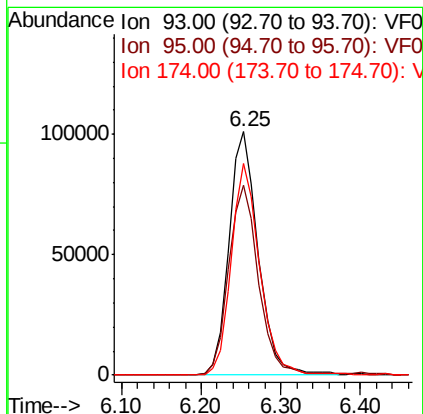
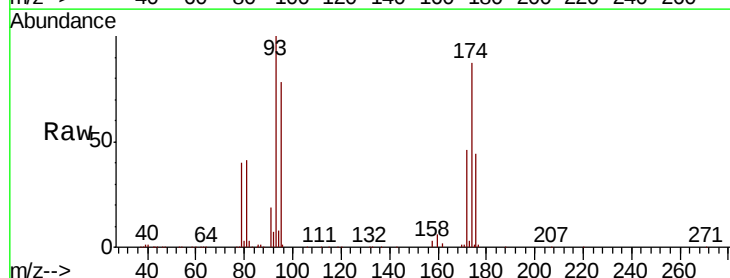
Tgt Ion: 93 Resp: 258566

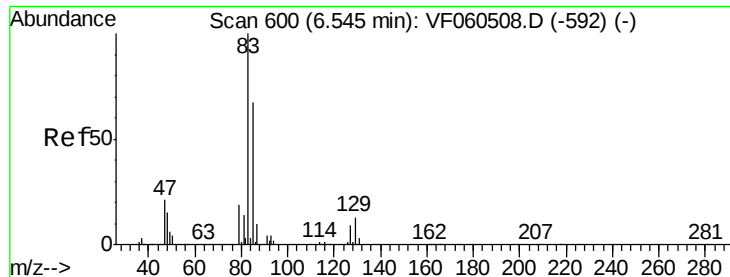
Ion Ratio Lower Upper

93 100

95 77.7 63.8 95.8

174 86.7 64.9 97.3





#47

Bromodichloromethane

Concen: 164.403 ug/l

RT: 6.55 min Scan# 600

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

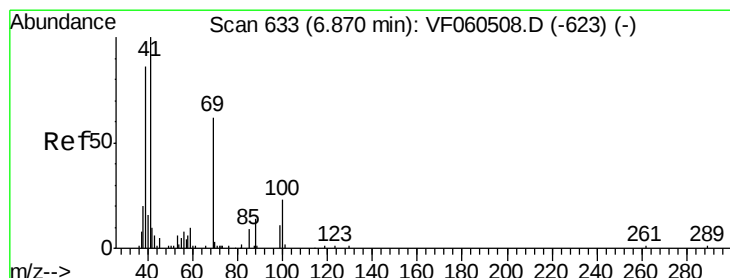
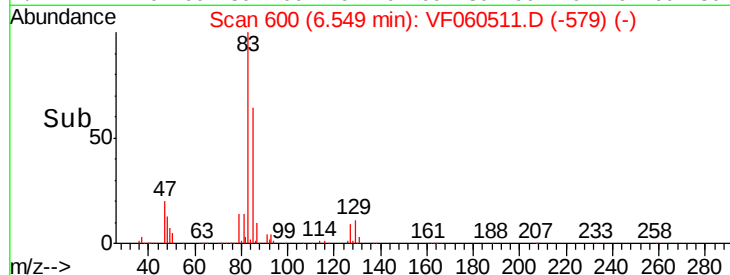
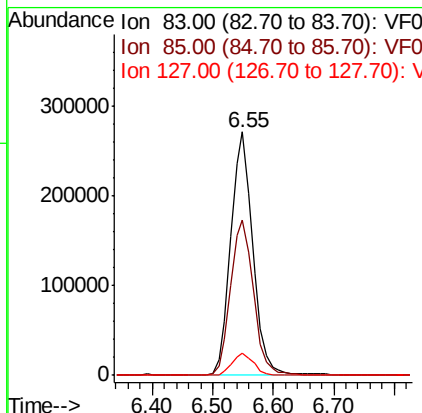
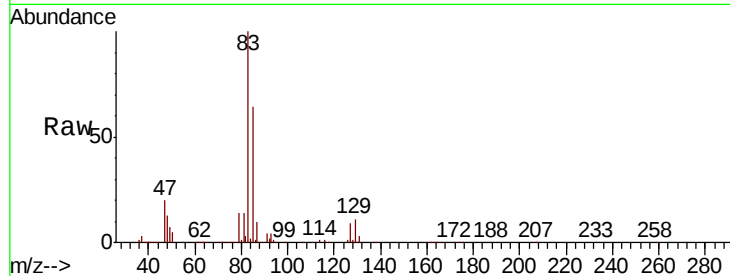
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	688122
Ion Ratio		Lower	Upper
83	100		
85	63.7	53.4	80.0
127	9.3	6.9	10.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 156.716 ug/l

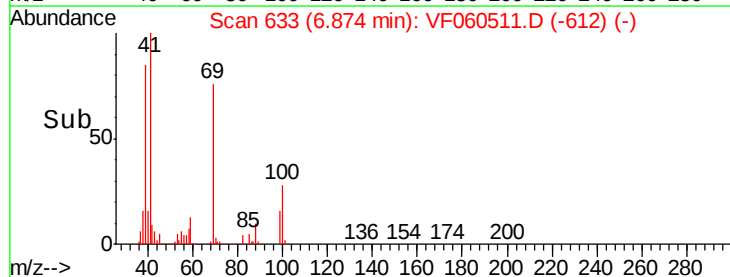
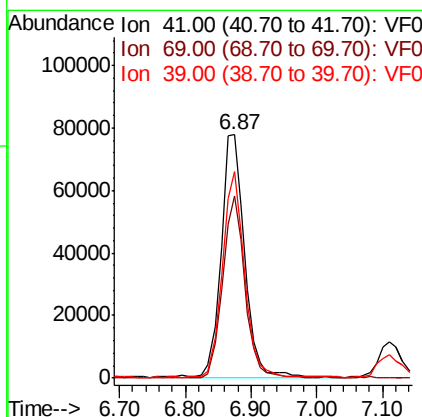
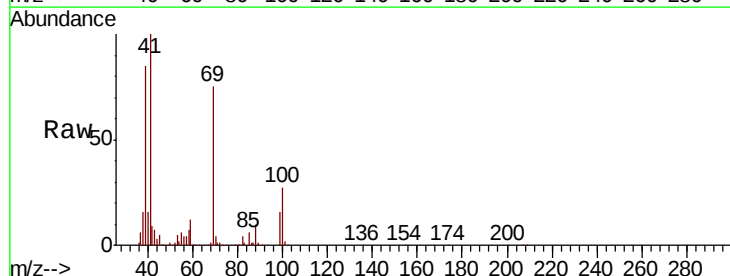
RT: 6.87 min Scan# 633

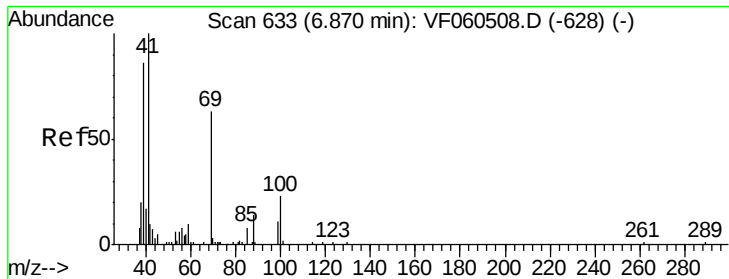
Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Tgt Ion:	41	Resp:	192115
Ion Ratio		Lower	Upper
41	100		
69	74.8	49.6	74.4#
39	84.9	69.4	104.2





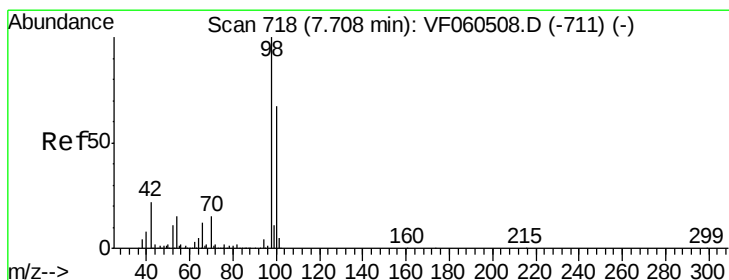
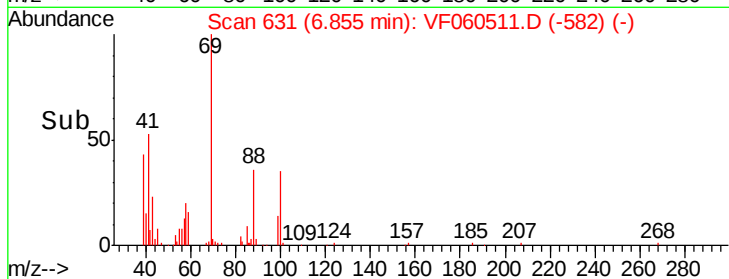
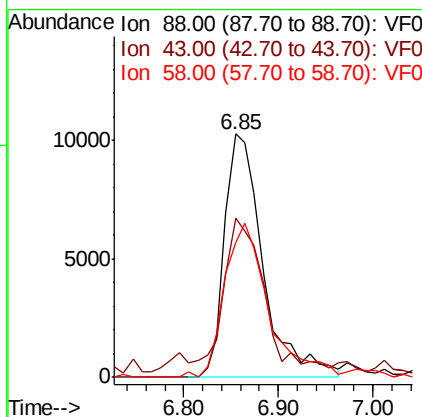
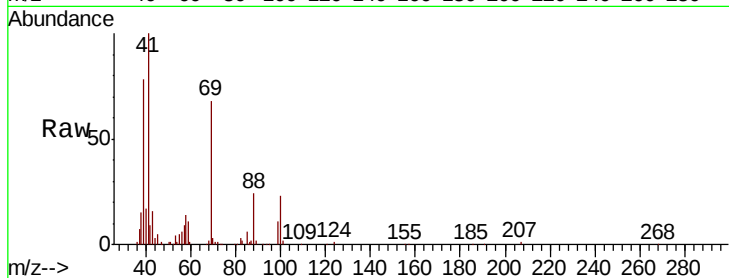
#49
1,4-Dioxane
Concen: 2765.662 ug/l
RT: 6.85 min Scan# 631
Delta R.T. -0.02 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	65.5	39.3	58.9#
58	55.6	35.0	52.6#

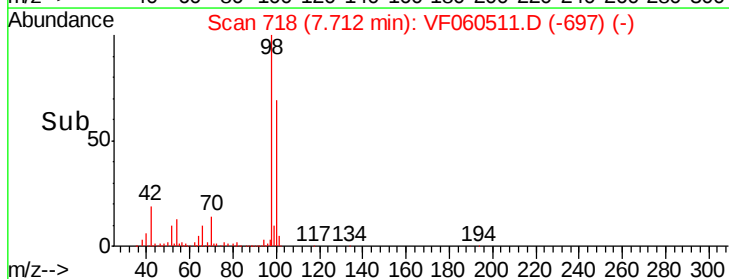
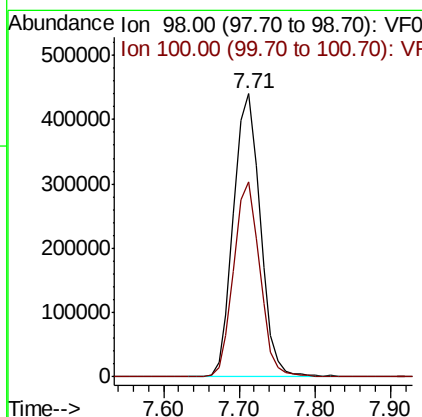
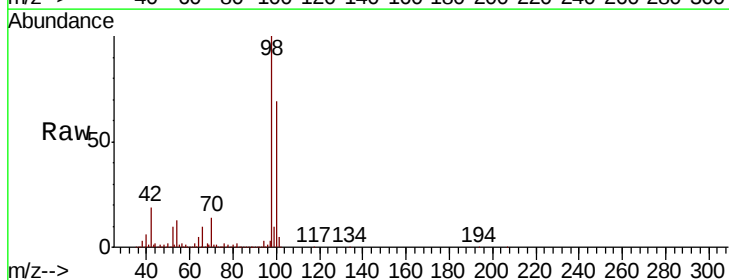
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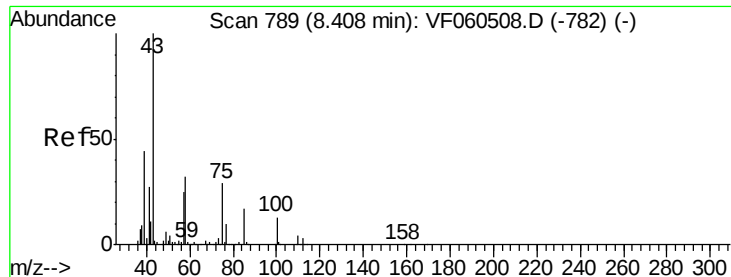
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#50
Toluene-d8
Concen: 138.486 ug/l
RT: 7.71 min Scan# 718
Delta R.T. 0.00 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.9	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 738.005 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.01 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 931664

Ion Ratio Lower Upper

43 100

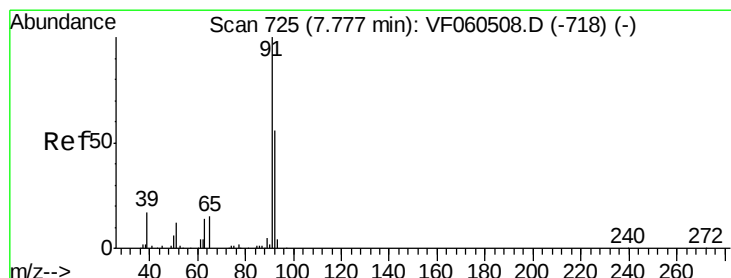
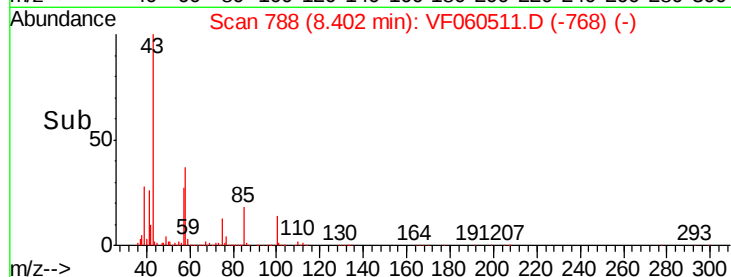
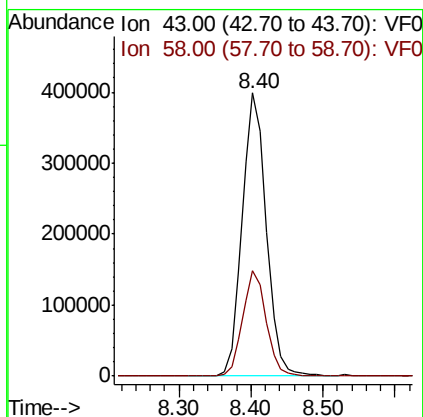
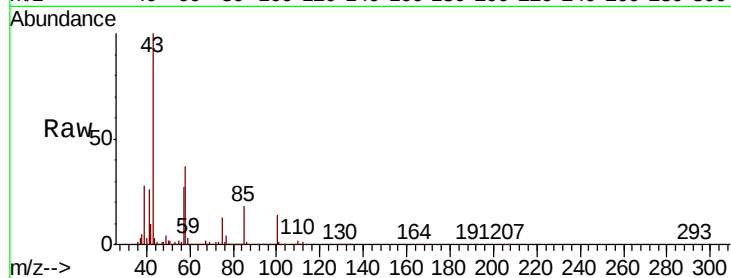
58 37.1 25.4 38.2

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#52

Toluene

Concen: 134.764 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.00 min

Lab File: VF060511.D

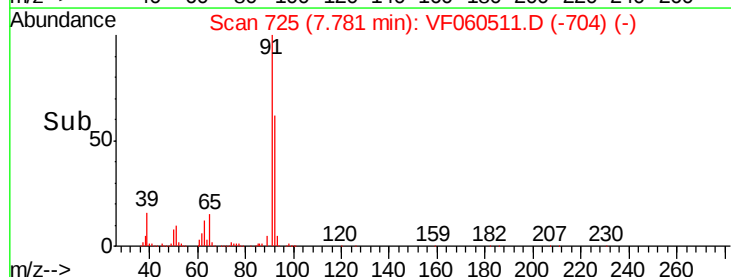
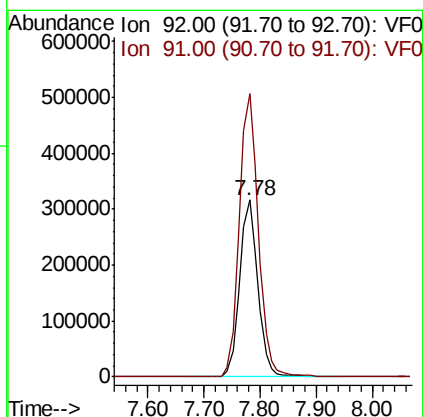
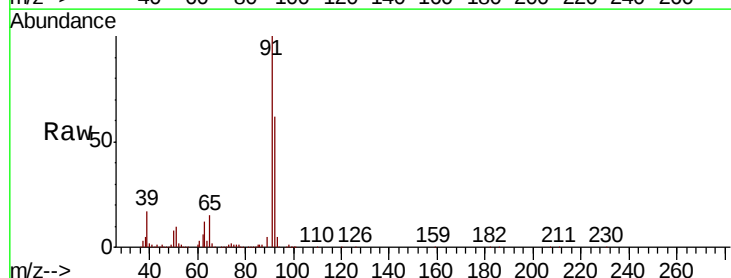
Acq: 25 Oct 2018 16:59

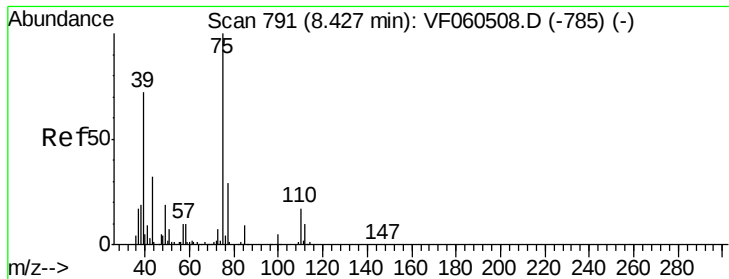
Tgt Ion: 92 Resp: 716337

Ion Ratio Lower Upper

92 100

91 160.3 143.8 215.8





#53

t-1,3-Dichloropropene

Concen: 160.475 ug/l

RT: 8.43 min Scan# 791

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 521667

Ion Ratio Lower Upper

75 100

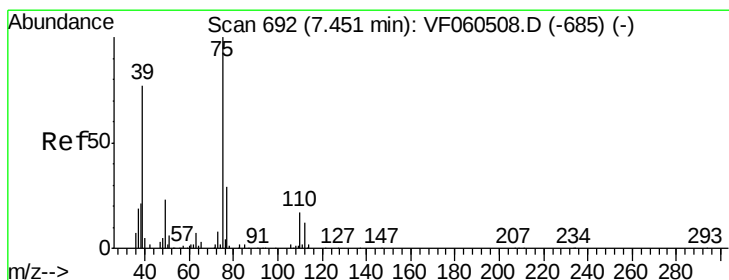
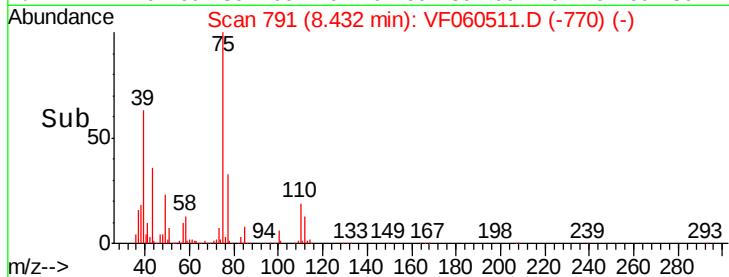
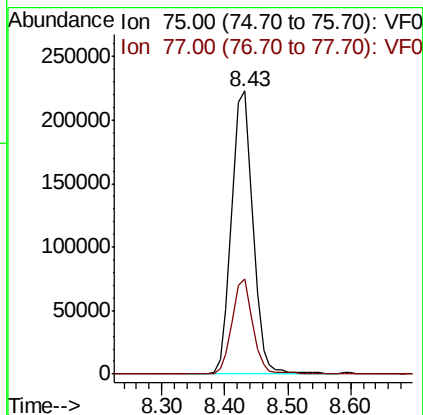
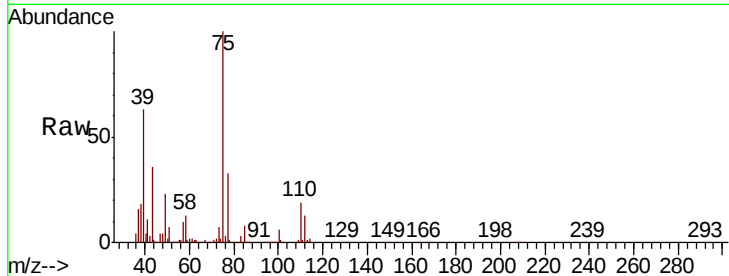
77 33.5 23.7 35.5

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#54

cis-1,3-Dichloropropene

Concen: 149.709 ug/l

RT: 7.46 min Scan# 692

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

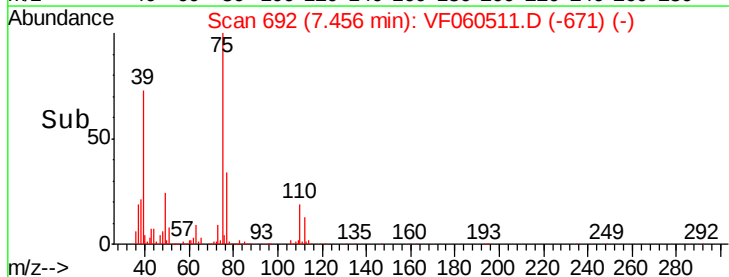
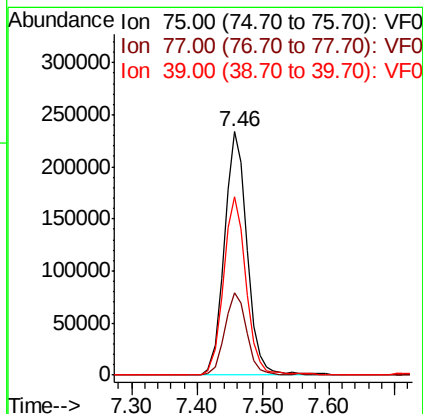
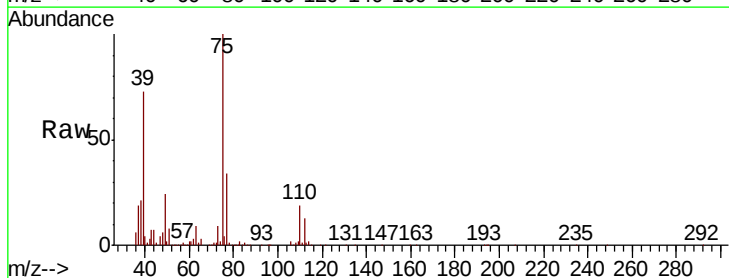
Tgt Ion: 75 Resp: 566813

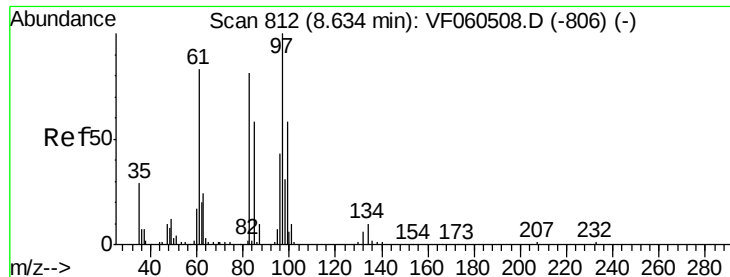
Ion Ratio Lower Upper

75 100

77 34.0 23.6 35.4

39 73.4 61.6 92.4





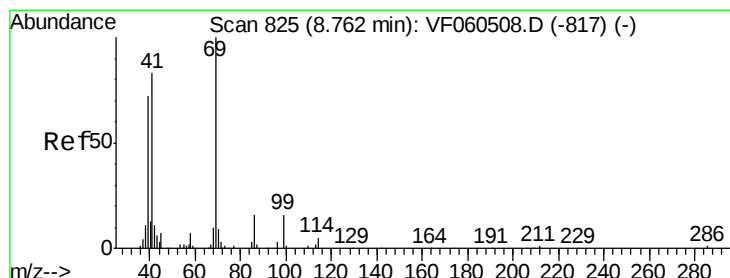
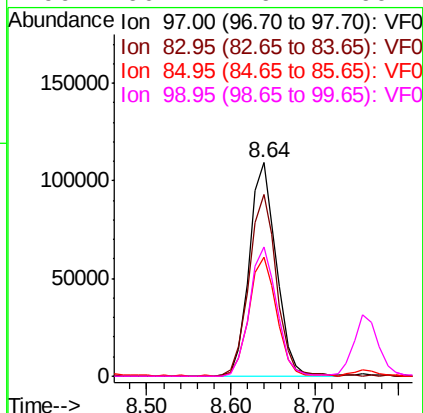
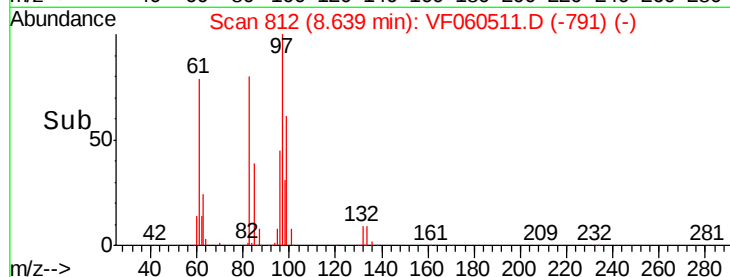
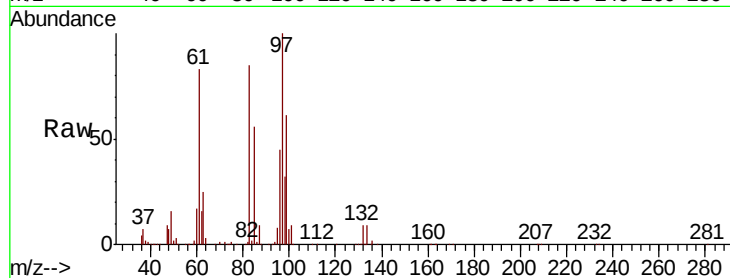
#55
 1,1,2-Trichloroethane
 Concen: 150.994 ug/l
 RT: 8.64 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: VF060511.D
 Acq: 25 Oct 2018 16:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	246668
Ion	Ratio	Lower	Upper
97	100		
83	85.2	65.0	97.4
85	55.7	47.0	70.6
99	60.7	46.2	69.4

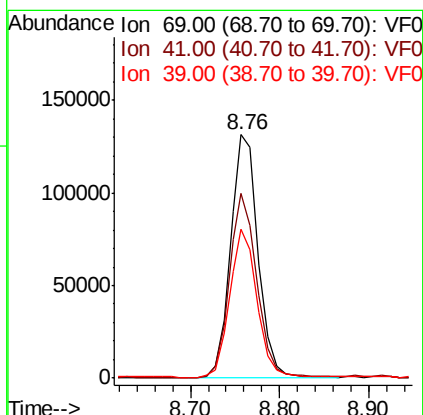
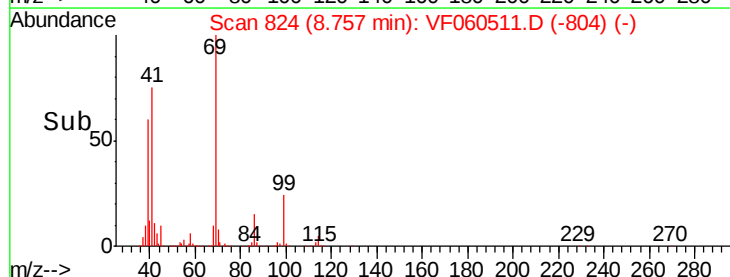
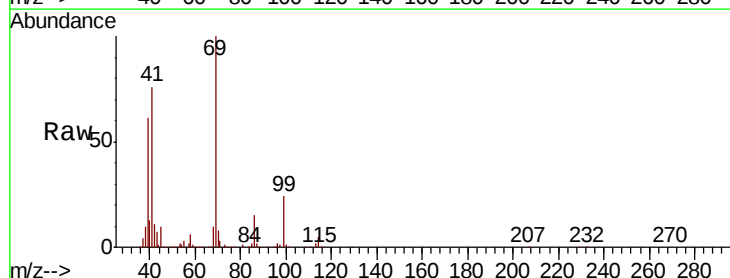
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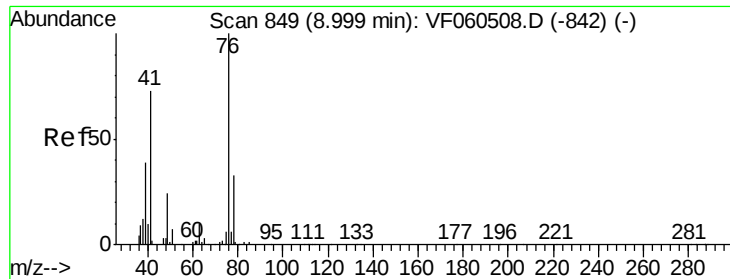
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#56
 Ethyl methacrylate
 Concen: 150.851 ug/l
 RT: 8.76 min Scan# 824
 Delta R.T. -0.01 min
 Lab File: VF060511.D
 Acq: 25 Oct 2018 16:59

Tgt Ion:	69	Resp:	285130
Ion	Ratio	Lower	Upper
69	100		
41	75.7	67.2	100.8
39	60.9	58.4	87.6





#57

1,3-Dichloropropane

Concen: 154.735 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 435261

Ion Ratio Lower Upper

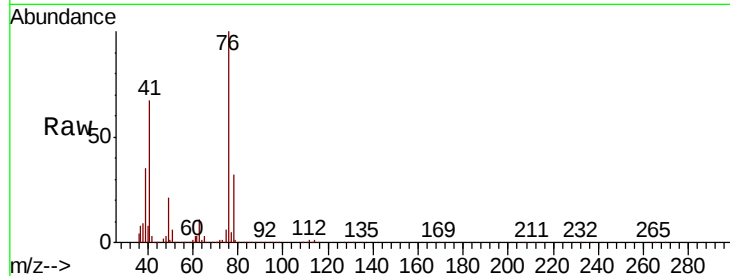
76 100

78 31.9 26.6 40.0

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

9.00

200000

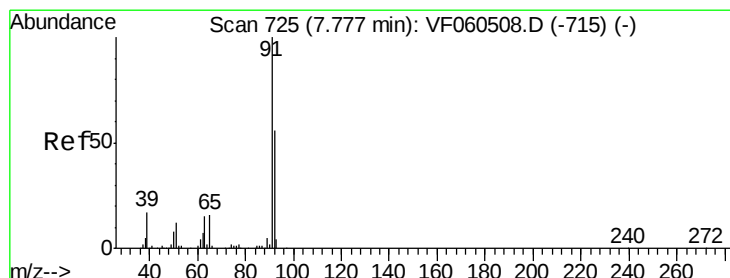
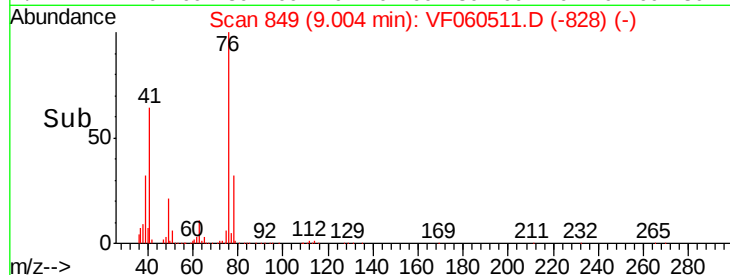
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 810.536 ug/l

RT: 7.78 min Scan# 725

Delta R.T. 0.00 min

Lab File: VF060511.D

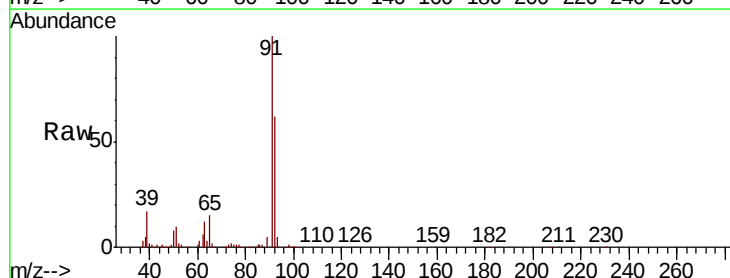
Acq: 25 Oct 2018 16:59

Tgt Ion: 63 Resp: 155682

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

7.78

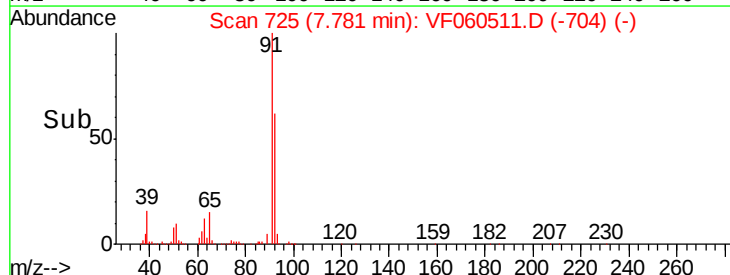
60000

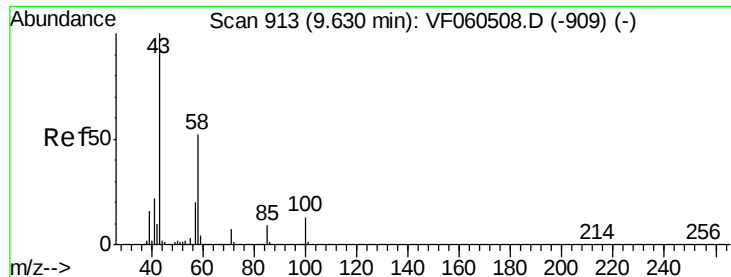
40000

20000

0

Time-->





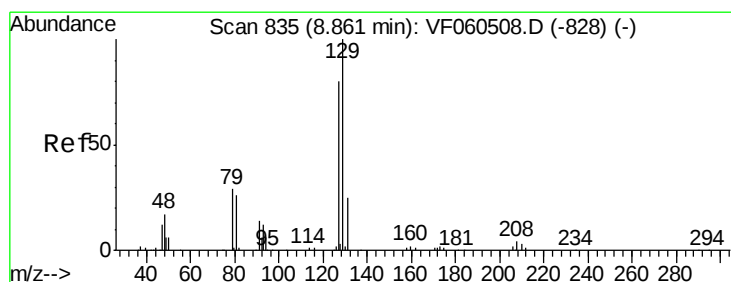
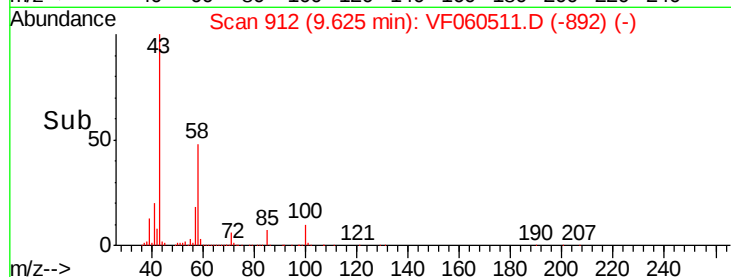
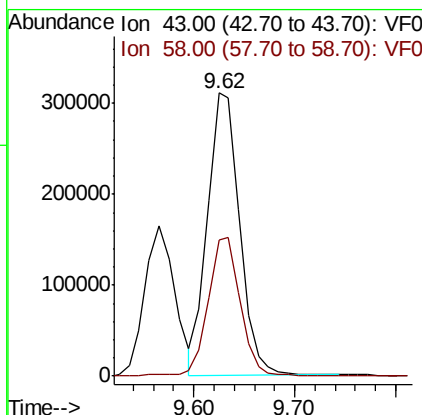
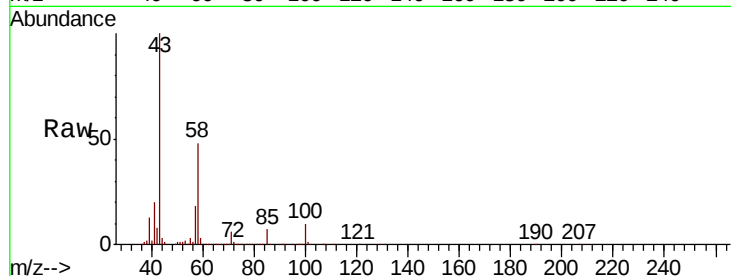
#59
2-Hexanone
Concen: 756.000 ug/l
RT: 9.62 min Scan# 912
Delta R.T. -0.01 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.2	23.5	70.5

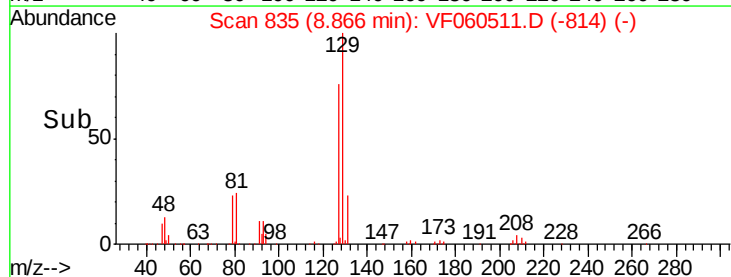
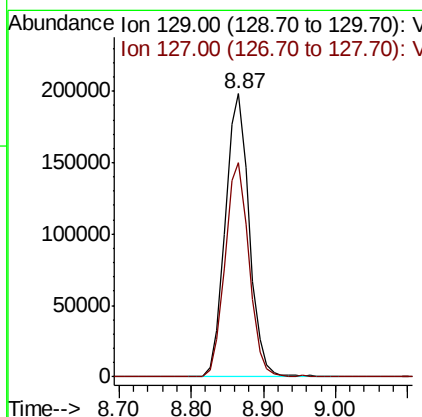
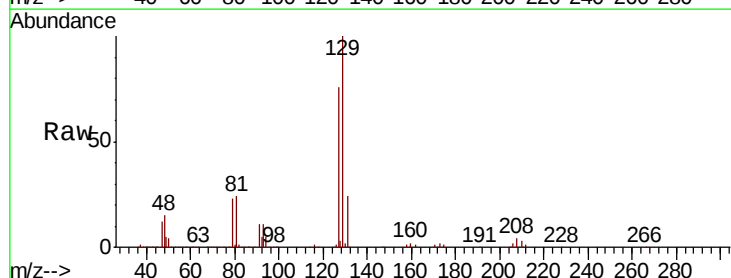
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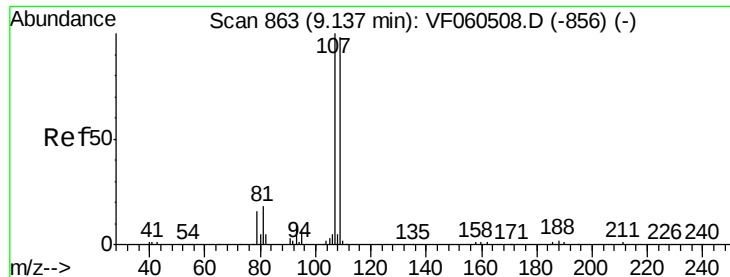
apatel
10/26/2018 10:27:58 AM



#60
Dibromochloromethane
Concen: 178.523 ug/l
RT: 8.87 min Scan# 835
Delta R.T. 0.00 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.5	40.2	120.5





#61

1,2-Dibromoethane

Concen: 169.891 ug/l

RT: 9.13 min Scan# 862

Delta R.T. -0.01 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 313588

Ion Ratio Lower Upper

107 100

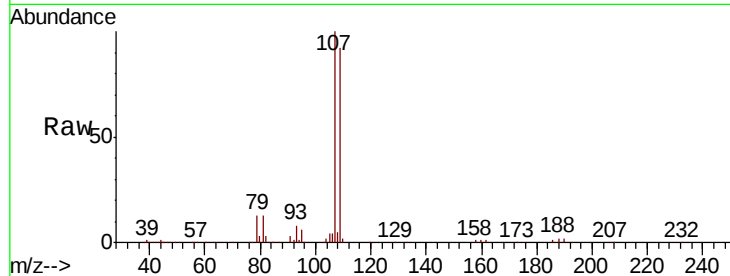
109 92.3 78.6 118.0

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

150000

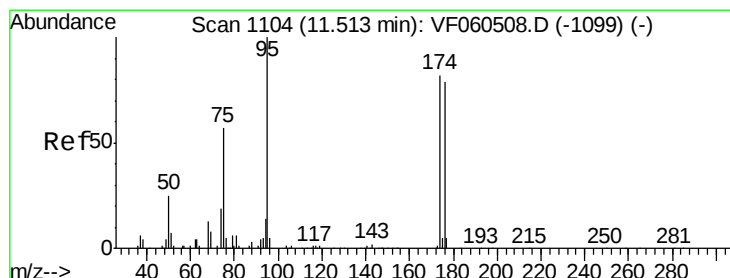
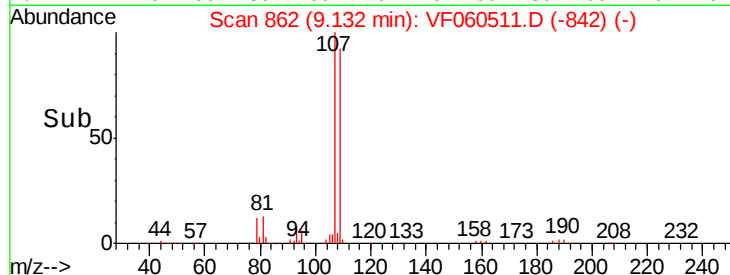
9.13

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 164.006 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. -0.01 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

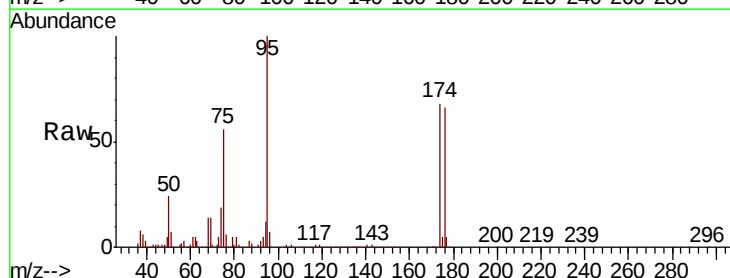
Tgt Ion: 95 Resp: 562631

Ion Ratio Lower Upper

95 100

174 68.3 0.0 164.2

176 65.6 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

400000

11.51

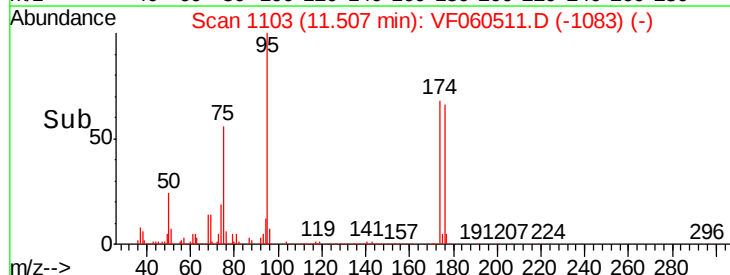
300000

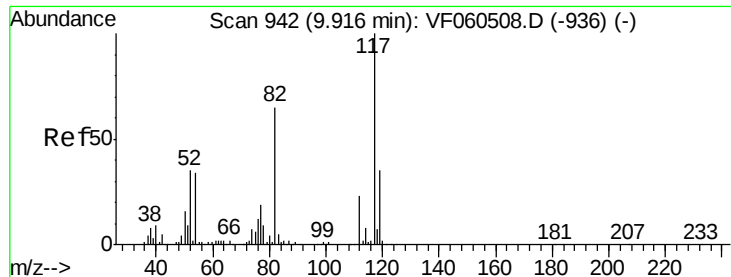
200000

100000

0

Time-->





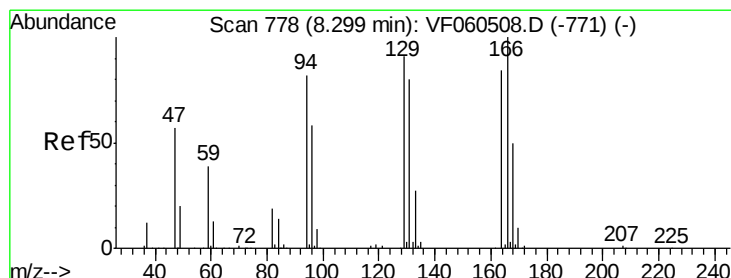
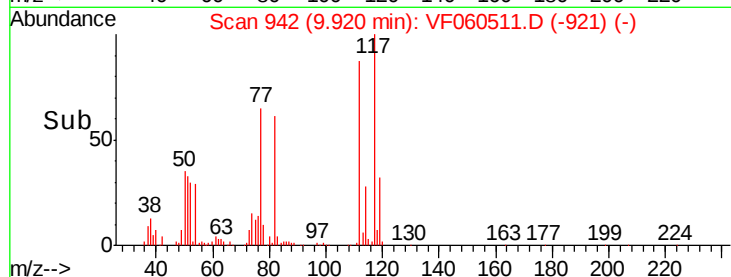
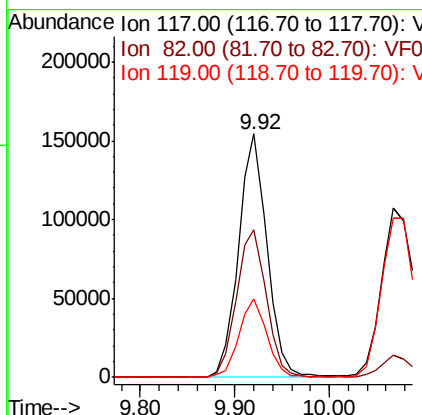
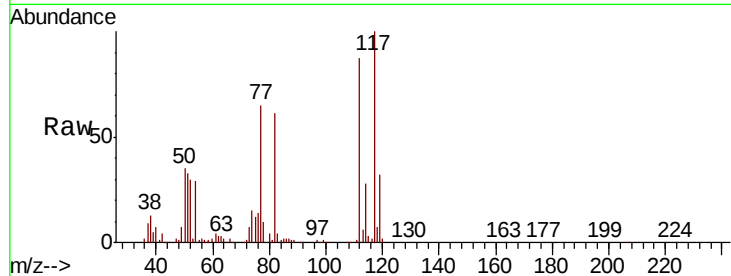
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.00 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.8	51.7	77.5
119	32.1	28.3	42.5

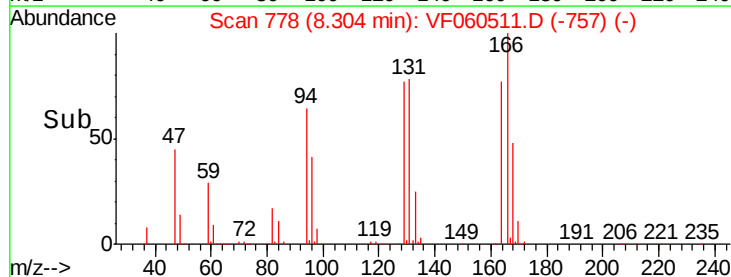
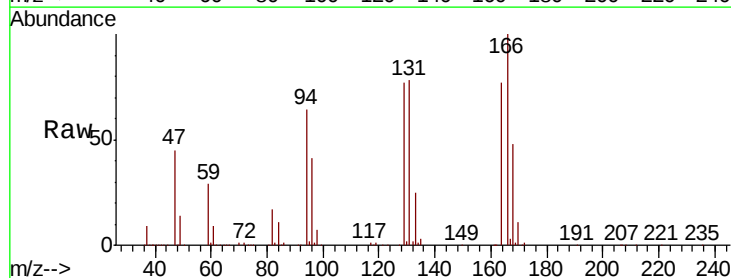
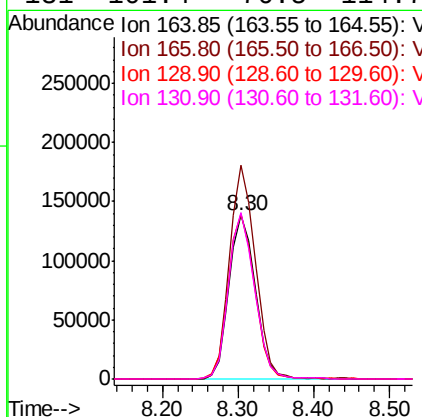
Manual Integrations
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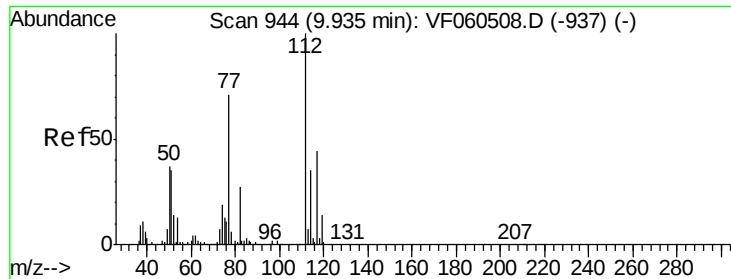
apatel
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#64
Tetrachloroethene
Concen: 130.452 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.00 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	95.1	142.7
129	100.6	86.3	129.5
131	101.4	76.5	114.7





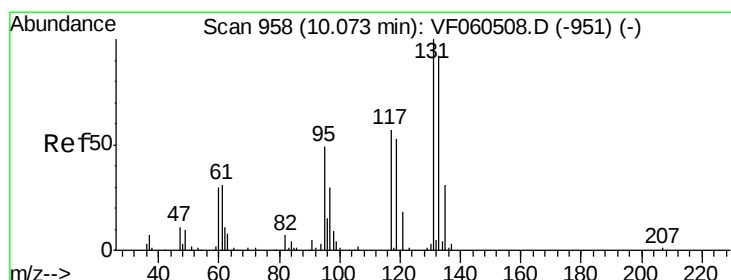
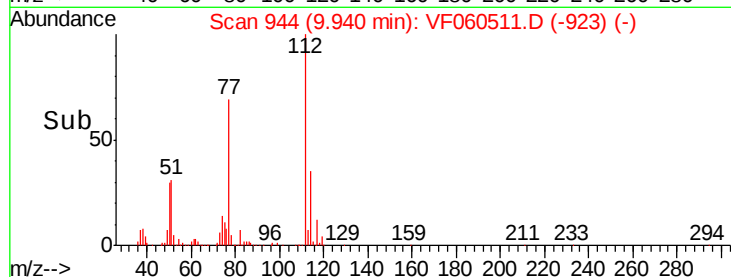
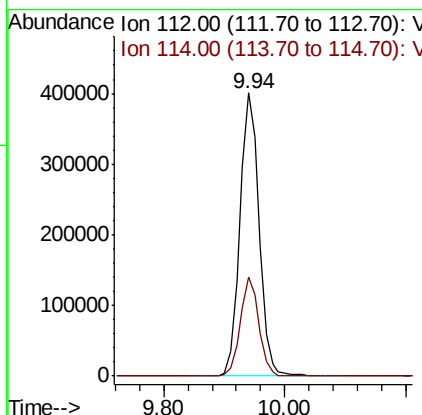
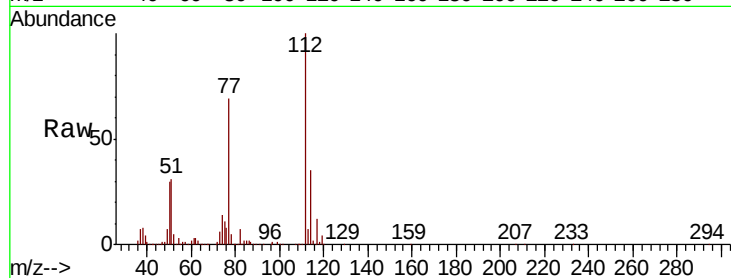
#65
Chlorobenzene
Concen: 141.357 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.00 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
112	100		
114	35.0	27.7	41.5

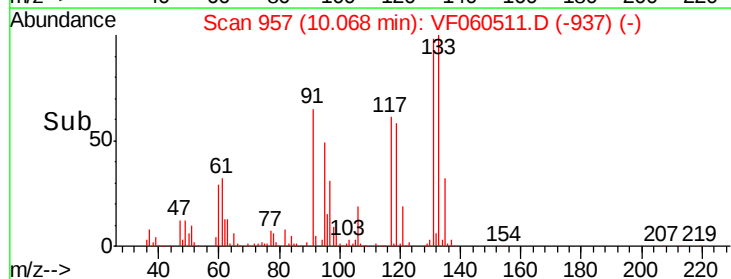
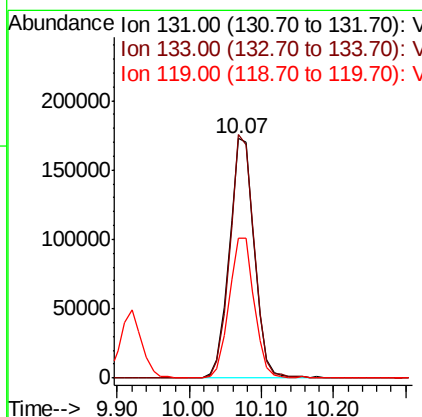
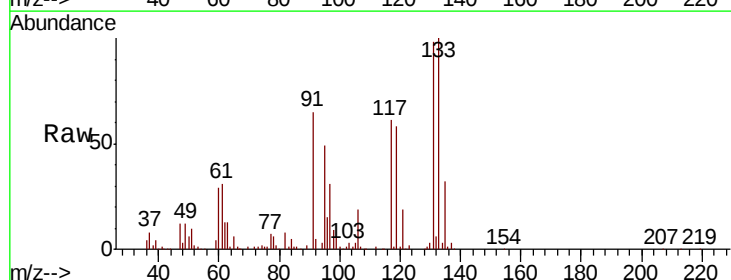
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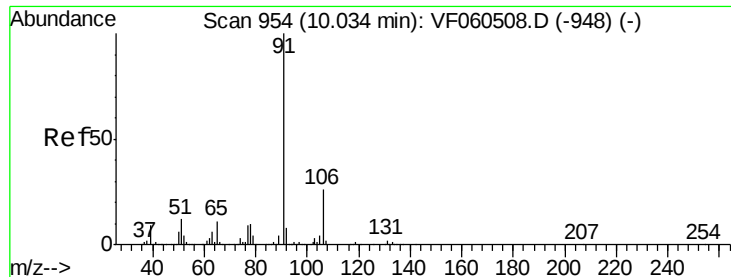
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 147.557 ug/l
RT: 10.07 min Scan# 957
Delta R.T. -0.01 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	101.7	46.1	138.2
119	58.6	27.0	80.8





#67

Ethyl Benzene

Concen: 135.286 ug/l

RT: 10.04 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1598768

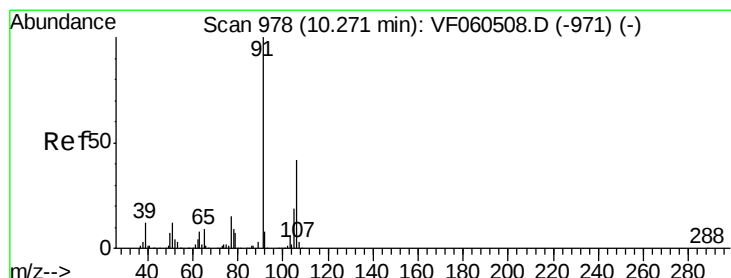
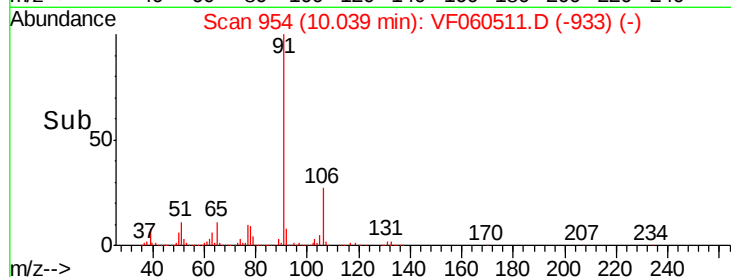
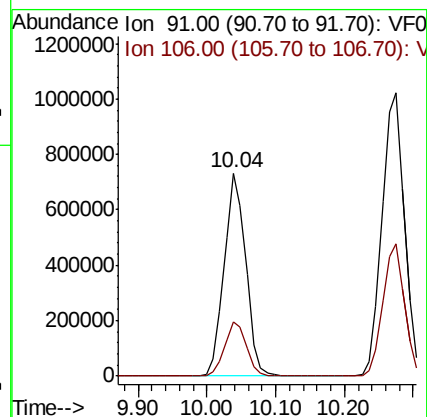
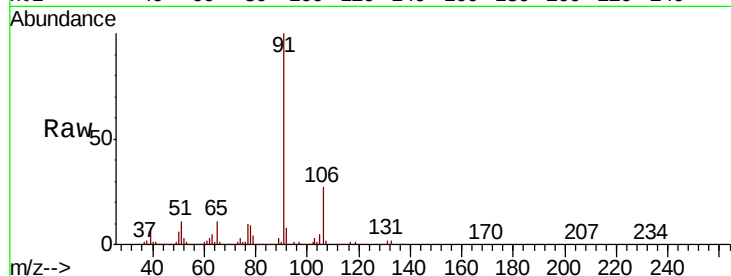
Ion Ratio Lower Upper

91 100

106 26.9 20.7 31.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 263.398 ug/l

RT: 10.28 min Scan# 978

Delta R.T. 0.00 min

Lab File: VF060511.D

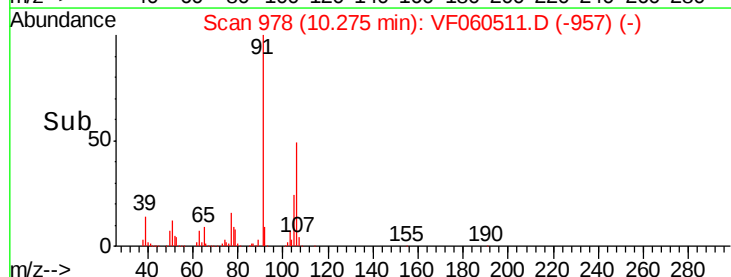
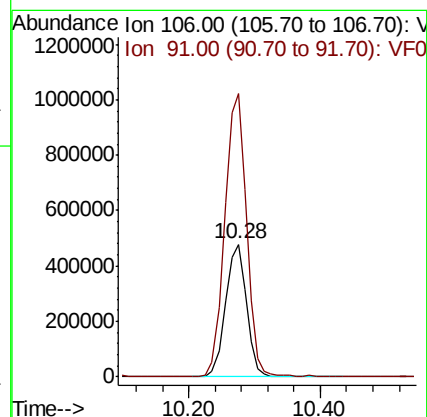
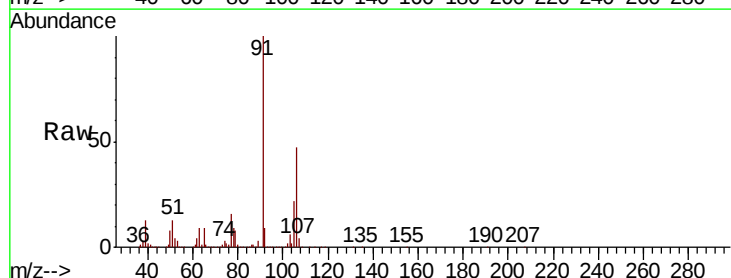
Acq: 25 Oct 2018 16:59

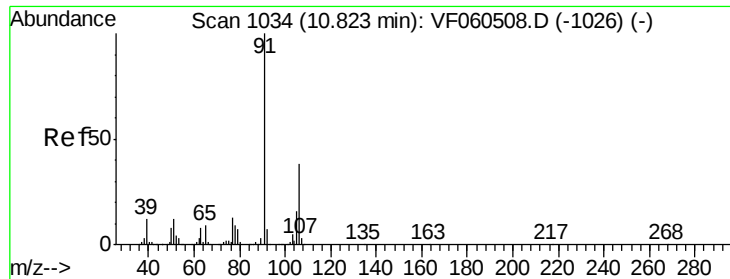
Tgt Ion:106 Resp: 1062597

Ion Ratio Lower Upper

106 100

91 213.1 192.5 288.7





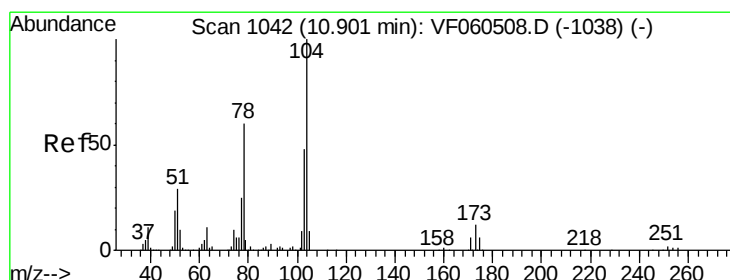
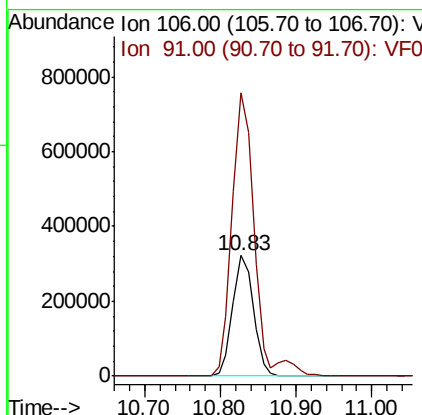
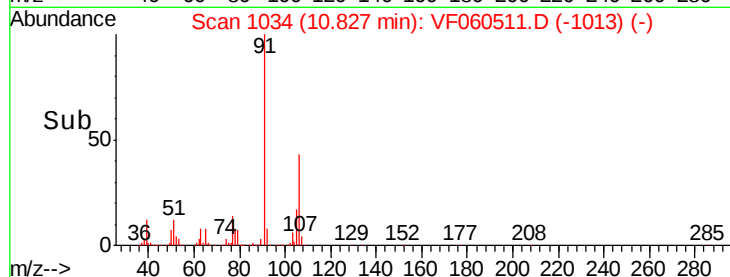
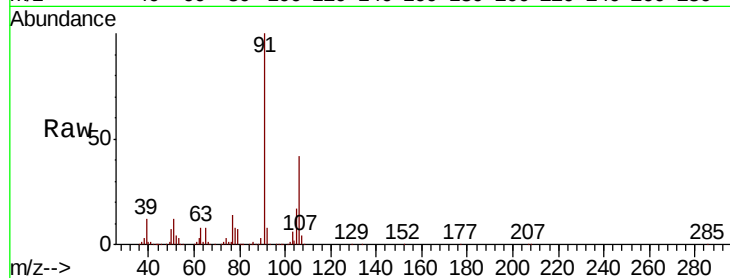
#69
o-Xylene
Concen: 140.565 ug/l
RT: 10.83 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	235.4	130.9	392.7

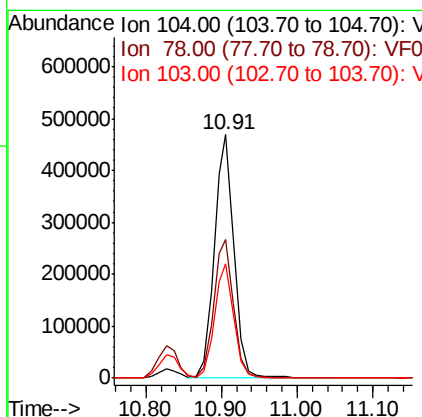
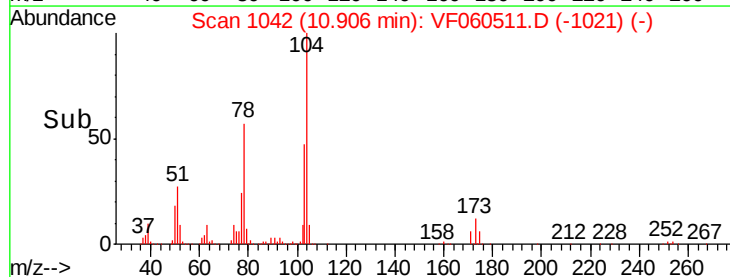
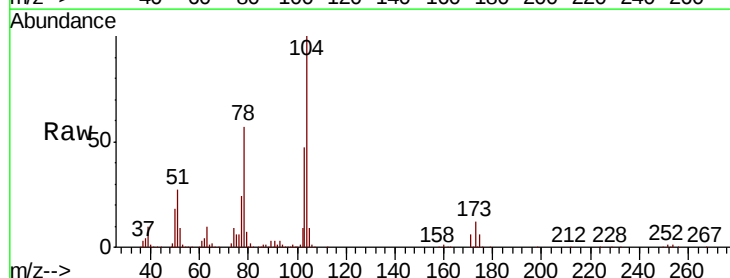
Manual Integrations
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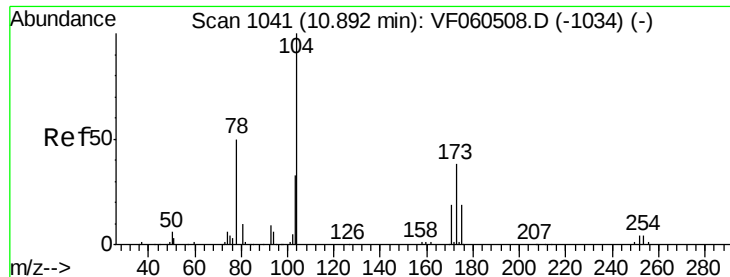
apatel
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#70
Styrene
Concen: 134.527 ug/l
RT: 10.91 min Scan# 1042
Delta R.T. 0.00 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tgt Ion	Ratio	Lower	Upper
104	100		
78	56.8	48.7	73.1
103	46.8	38.8	58.2





#71

Bromoform

Concen: 175.567 ug/l

RT: 10.89 min Scan# 1040

Delta R.T. -0.01 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 251142

Ion Ratio Lower Upper

173 100

175 52.1 25.5 76.5

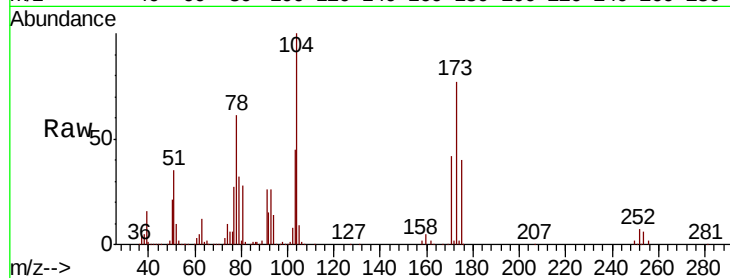
254 0.0 0.0 0.0

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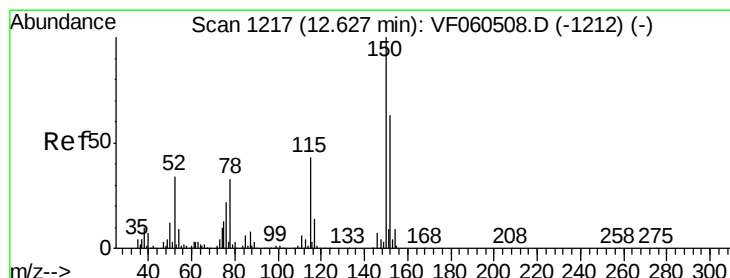
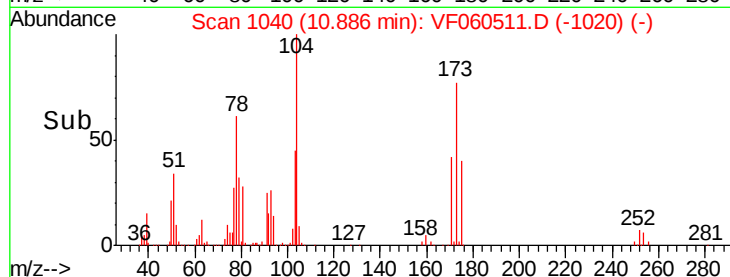
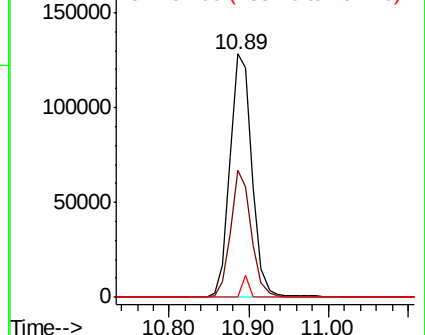


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

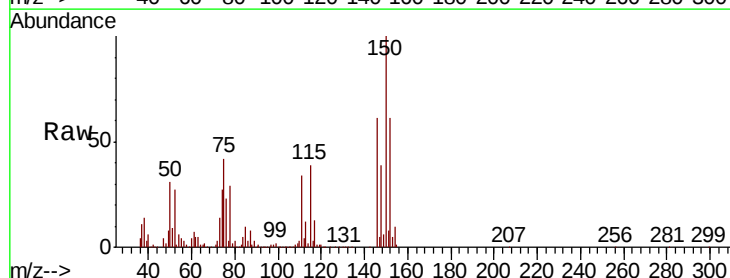
Tgt Ion:152 Resp: 194388

Ion Ratio Lower Upper

152 100

115 64.5 34.6 103.9

150 165.1 0.0 319.8

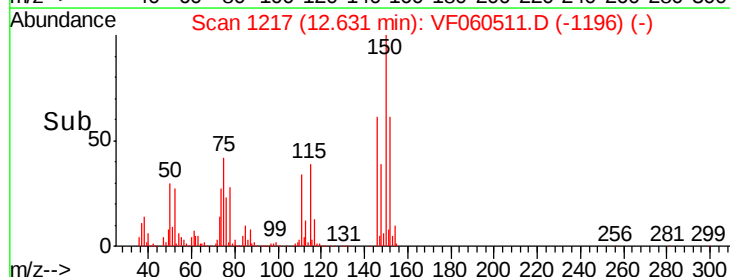
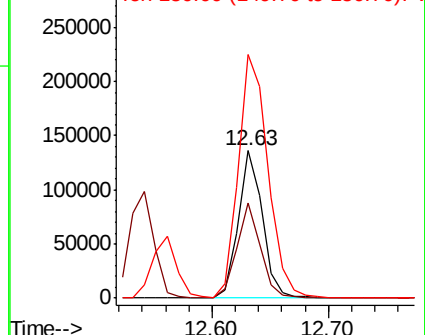


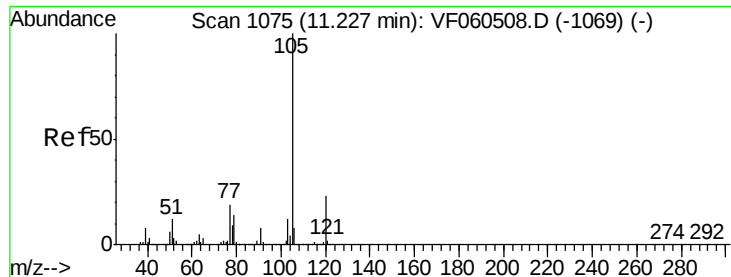
Abundance

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: 129.161 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1866298

Ion Ratio Lower Upper

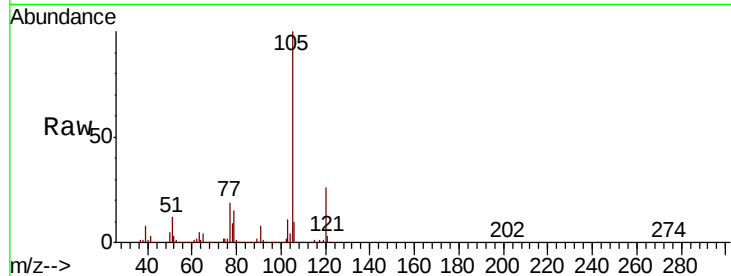
105 100

120 26.3 11.6 34.7

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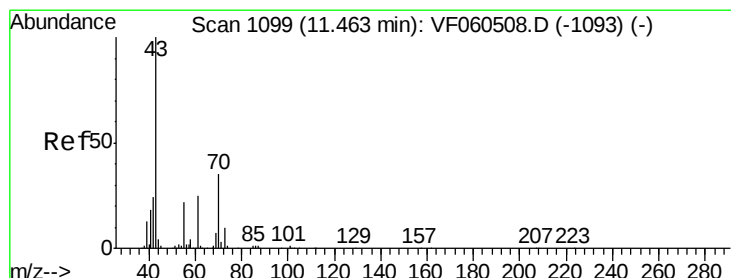
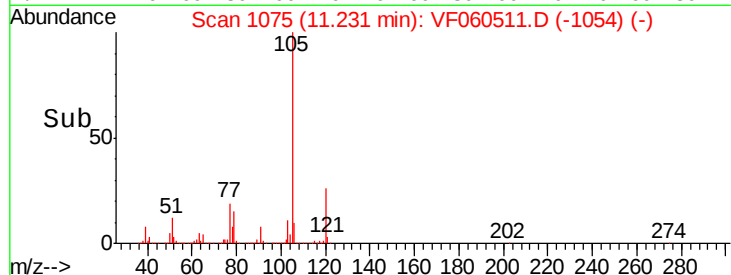
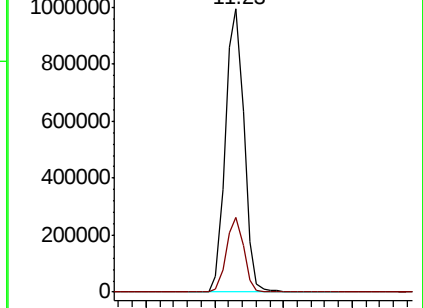
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 141.144 ug/l

RT: 11.47 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Tgt Ion: 43 Resp: 443908

Ion Ratio Lower Upper

43 100

70 40.7 28.2 42.2

55 20.8 17.9 26.9

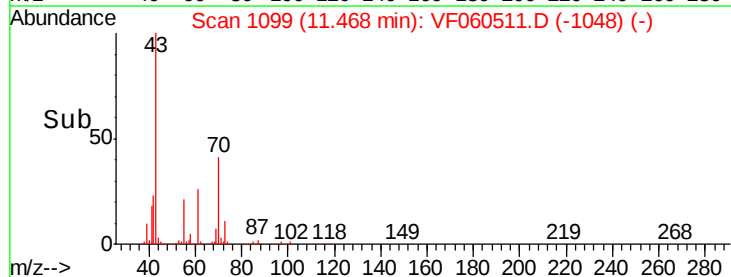
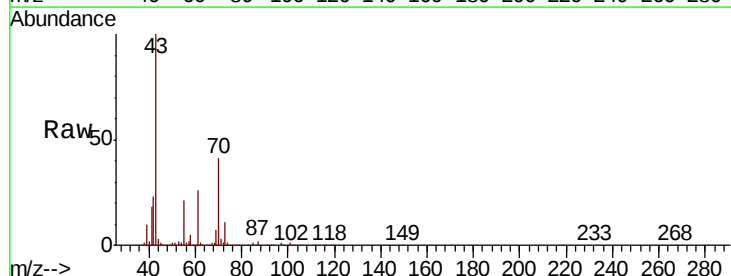
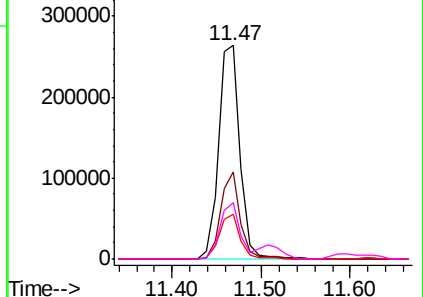
61 26.1 19.9 29.9

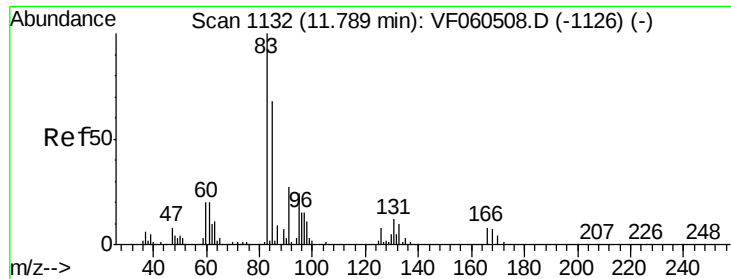
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 142.679 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

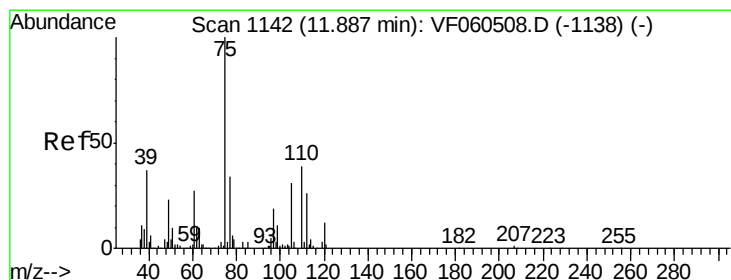
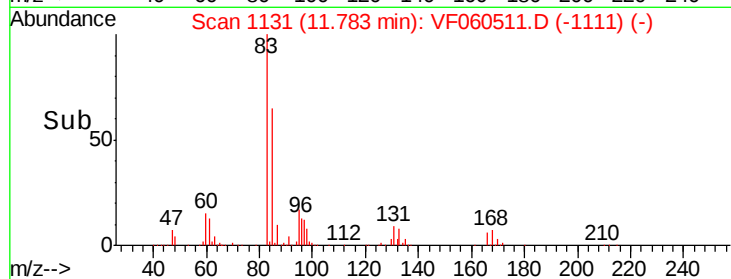
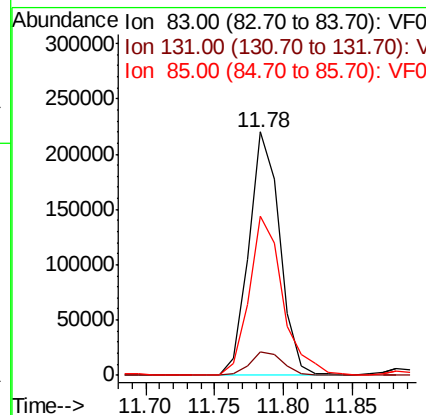
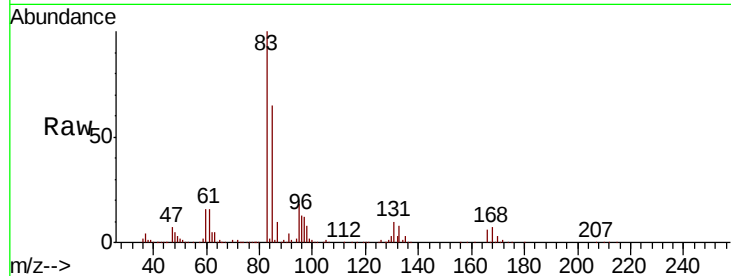
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	346520
Ion Ratio	Lower	Upper	
83	100		
131	9.7	5.8	17.4
85	65.2	34.2	102.6

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#76

1,2,3-Trichloropropane

Concen: 147.373 ug/l

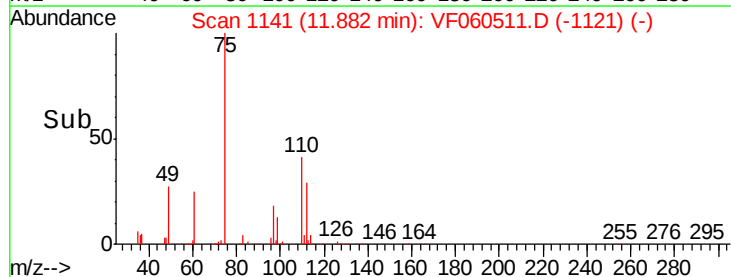
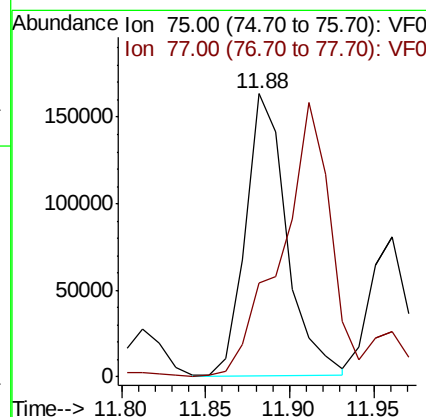
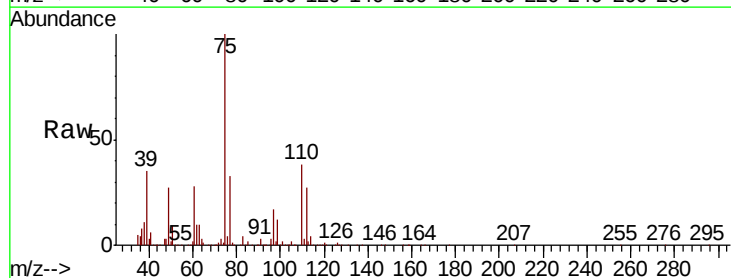
RT: 11.88 min Scan# 1141

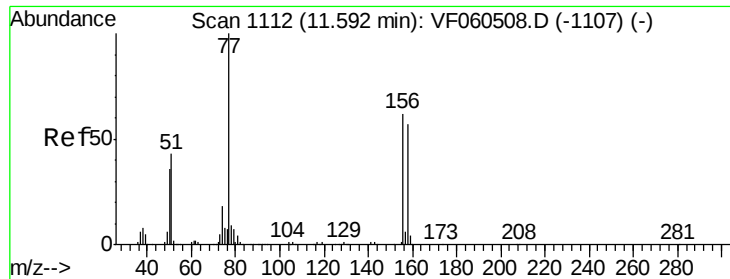
Delta R.T. -0.01 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Tgt Ion:	75	Resp:	276692
Ion Ratio	Lower	Upper	
75	100		
77	33.0	17.2	51.5





#77

Bromobenzene

Concen: 136.309 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

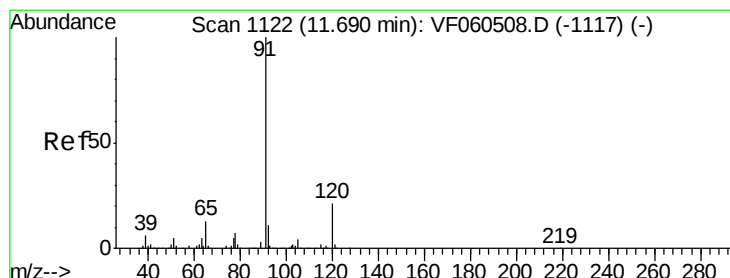
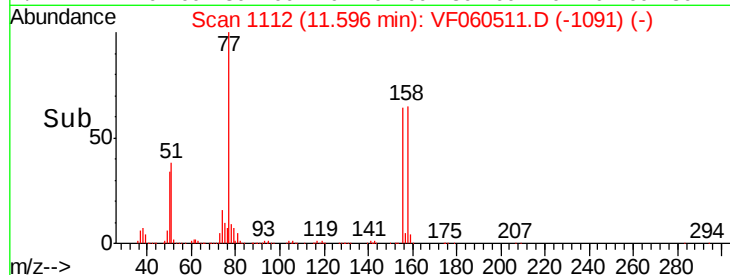
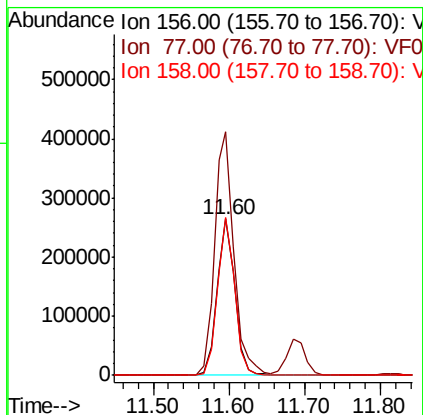
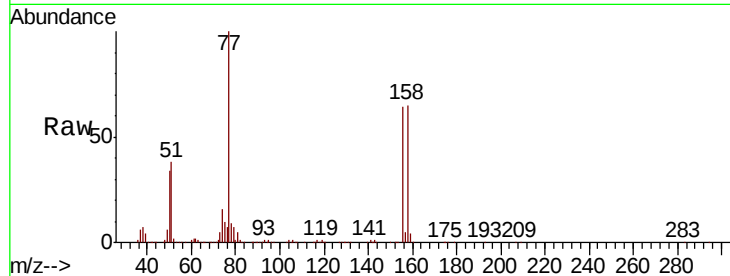
ClientSampleId :

VSTDIC150

Tot Ion:	156	Resp:	437699
Ion Ratio	Lower	Upper	
156	100		
77	156.0	80.1	240.3
158	101.2	45.9	137.6

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#78

n-propylbenzene

Concen: 123.353 ug/l

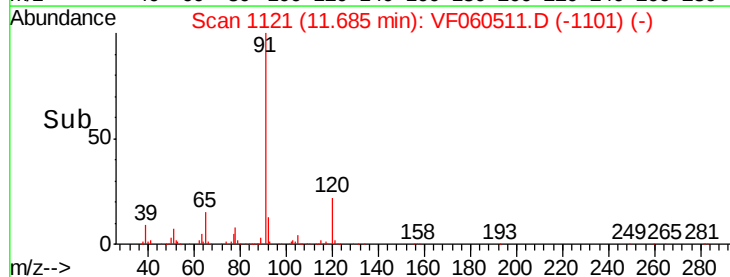
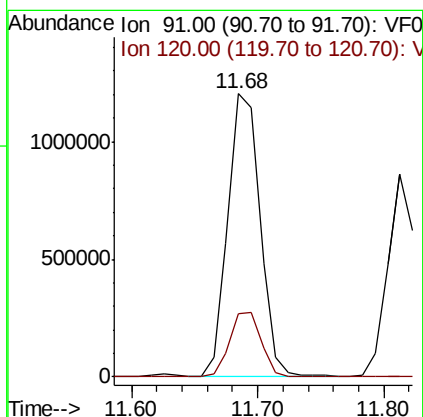
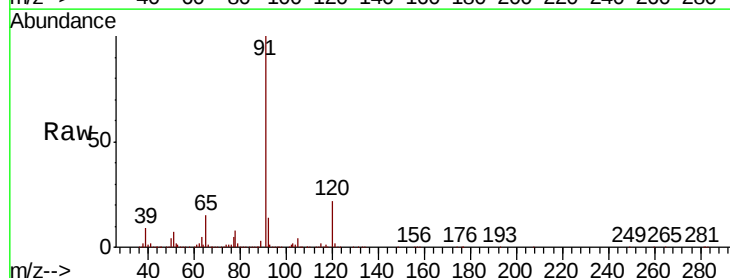
RT: 11.68 min Scan# 1121

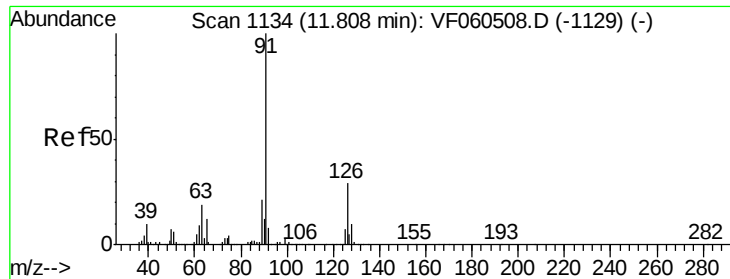
Delta R.T. -0.01 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Tgt Ion:	91	Resp:	2122812
Ion Ratio	Lower	Upper	
91	100		
120	22.2	10.3	30.9





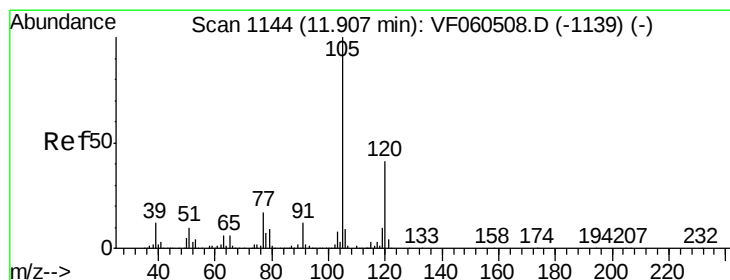
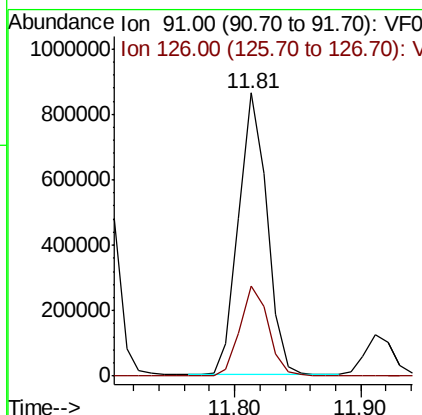
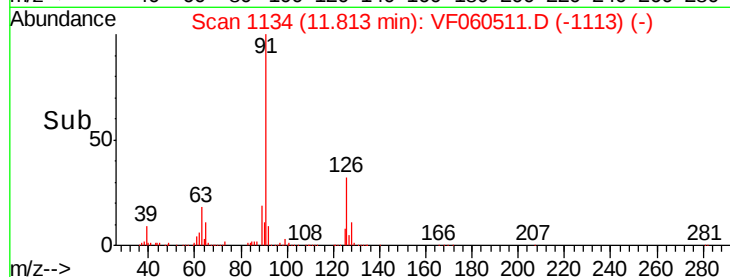
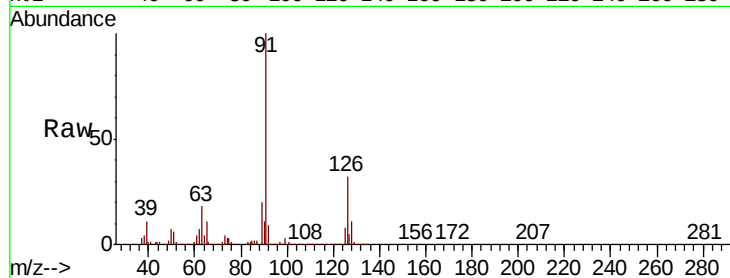
#79
2-Chlorotoluene
Concen: 134.017 ug/l
RT: 11.81 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1350186
Ion Ratio Lower Upper
91 100
126 31.7 14.4 43.2

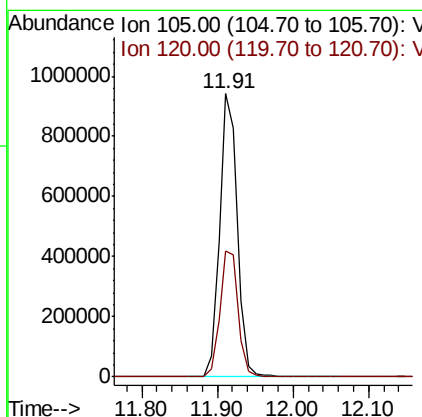
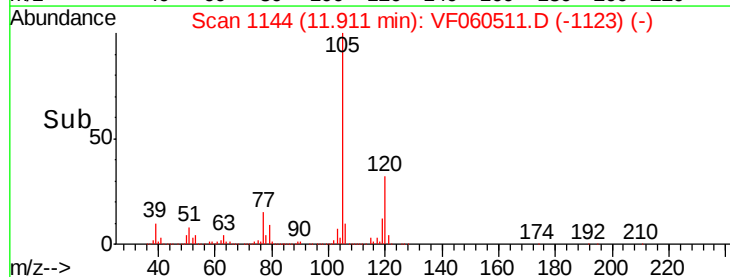
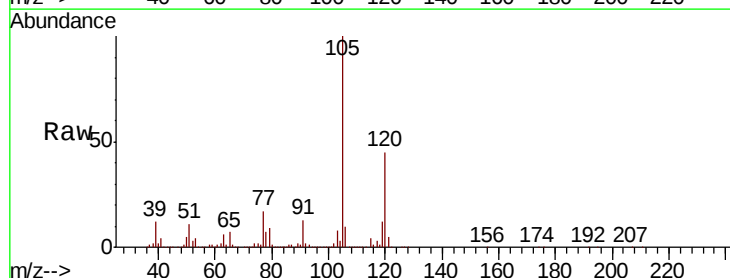
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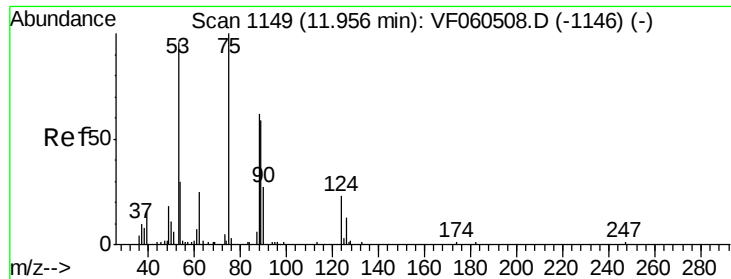
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#80
1,3,5-Trimethylbenzene
Concen: 127.272 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tgt Ion: 105 Resp: 1542775
Ion Ratio Lower Upper
105 100
120 44.5 20.6 61.9





#81

trans-1,4-Dichloro-2-butene

Concen: 163.919 ug/l m

RT: 11.96 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

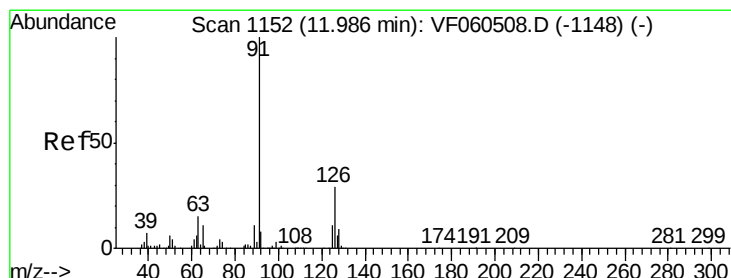
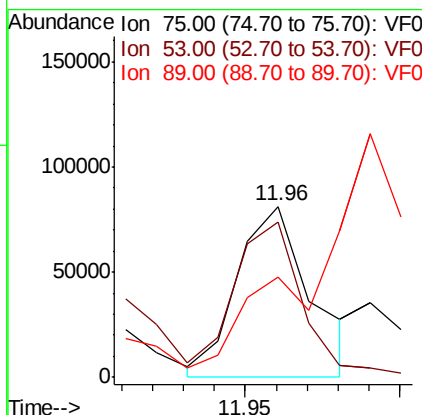
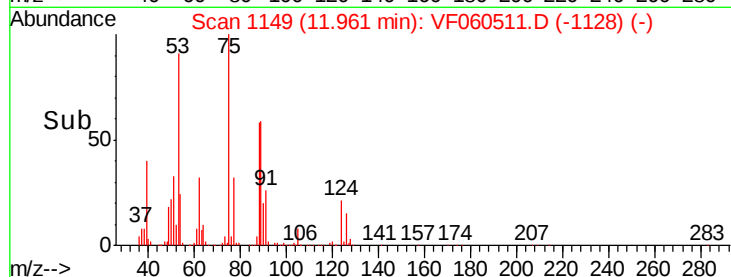
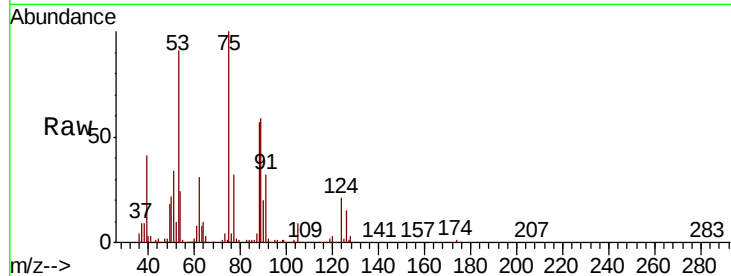
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	134182
Ion Ratio	Lower	Upper	
75	100		
53	91.2	85.0	127.6
89	59.0	50.2	75.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 135.467 ug/l

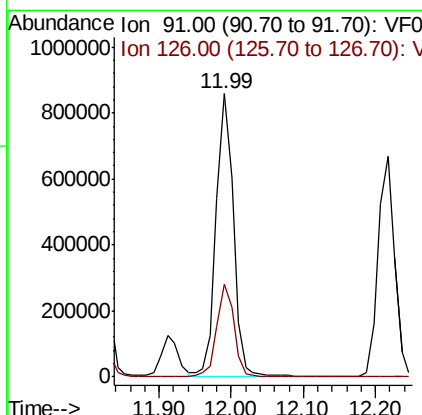
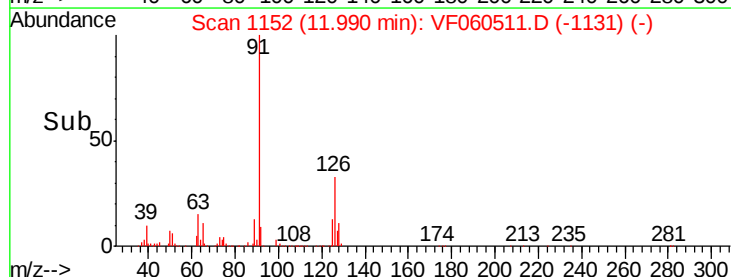
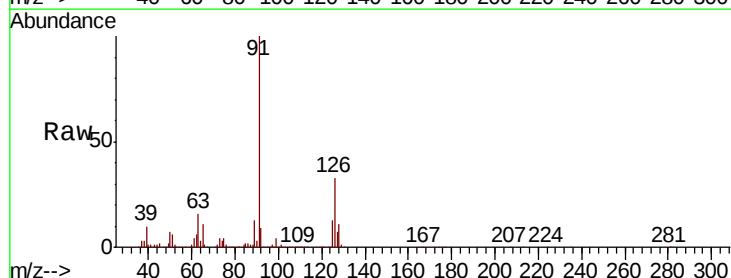
RT: 11.99 min Scan# 1152

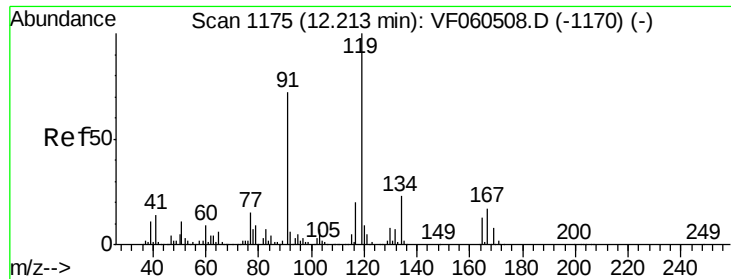
Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Tgt Ion:	91	Resp:	1408081
Ion Ratio	Lower	Upper	
91	100		
126	32.9	14.8	44.4





#83

tert-Butylbenzene

Concen: 125.790 ug/l

RT: 12.22 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:119 Resp: 1532872

Ion Ratio Lower Upper

119 100

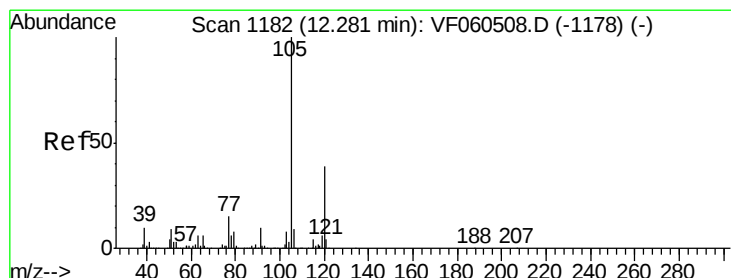
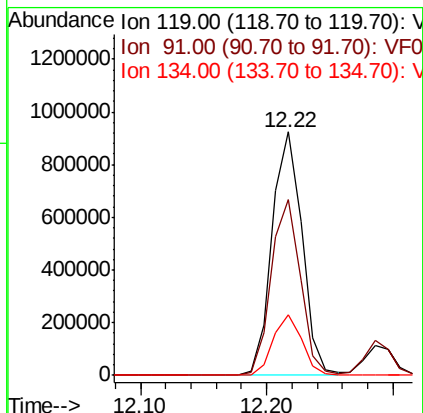
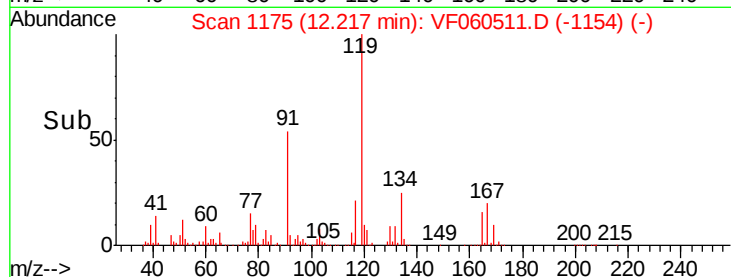
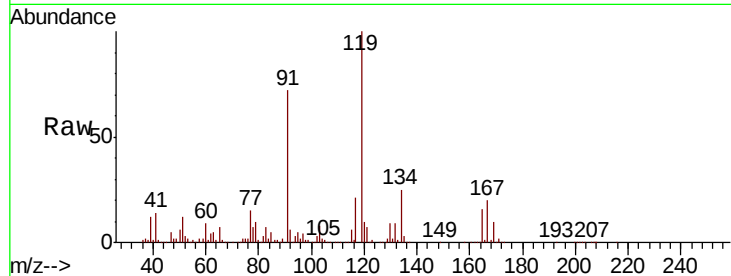
91 72.3 36.3 108.9

134 24.9 11.4 34.2

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#84

1,2,4-Trimethylbenzene

Concen: 125.439 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VF060511.D

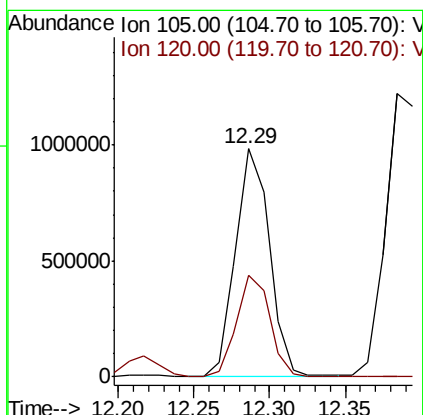
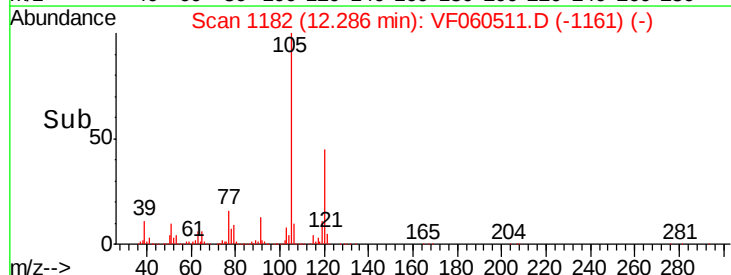
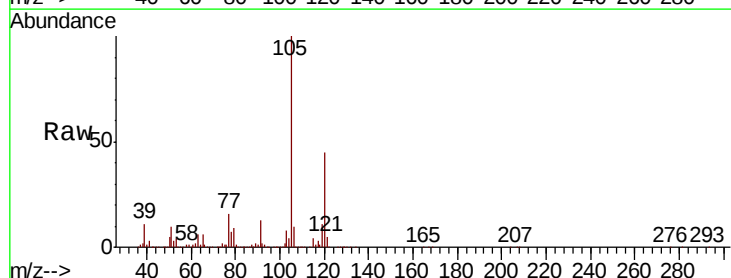
Acq: 25 Oct 2018 16:59

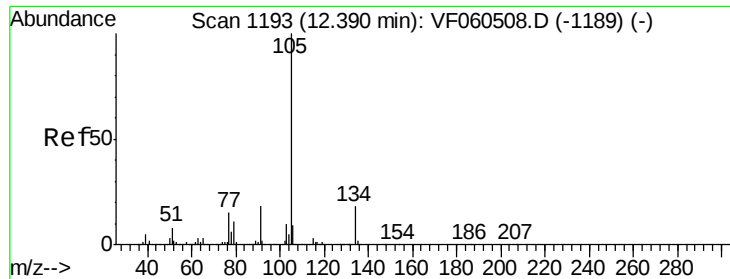
Tgt Ion:105 Resp: 1543787

Ion Ratio Lower Upper

105 100

120 44.7 19.4 58.1





#85

sec-Butylbenzene

Concen: 125.784 ug/l

RT: 12.38 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2078848

Ion Ratio Lower Upper

105 100

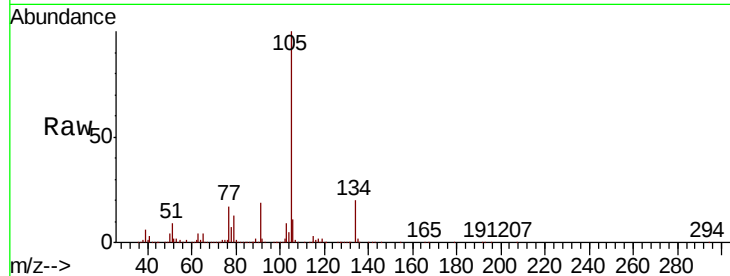
134 19.8 9.2 27.4

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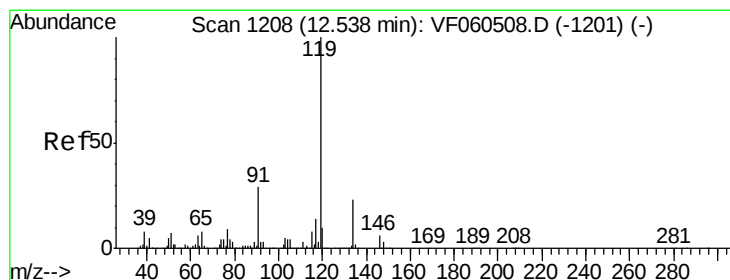
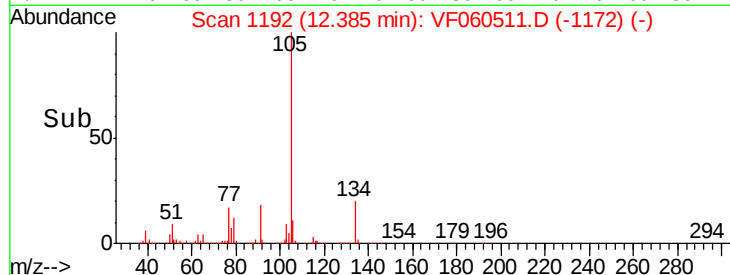
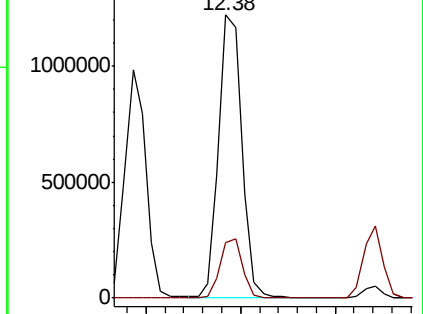
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 126.435 ug/l

RT: 12.54 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

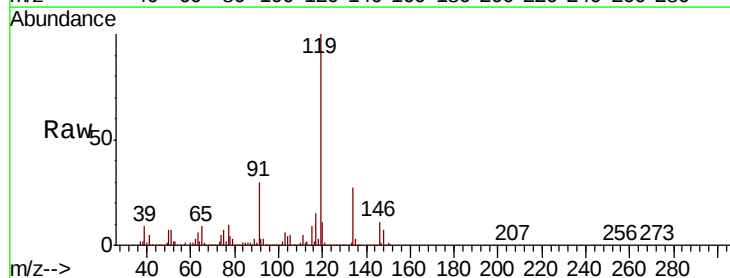
Tgt Ion:119 Resp: 1715417

Ion Ratio Lower Upper

119 100

134 27.3 11.7 35.0

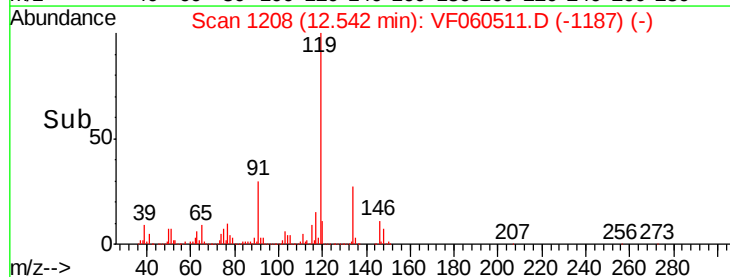
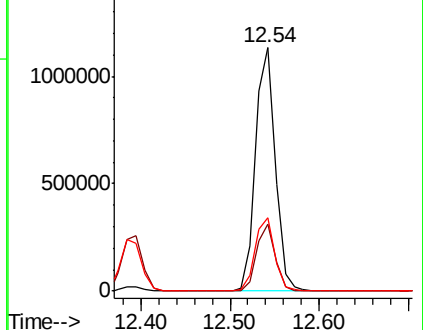
91 30.2 14.4 43.4

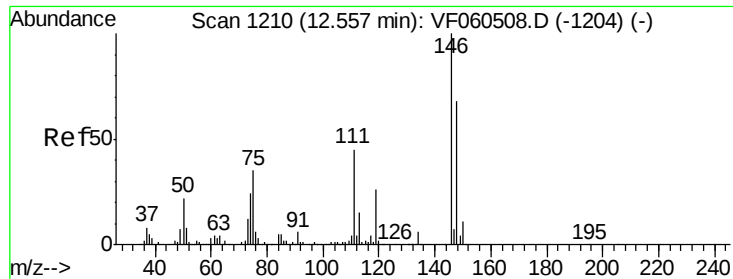


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 127.315 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

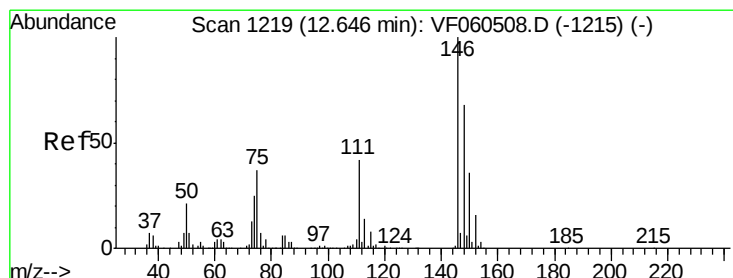
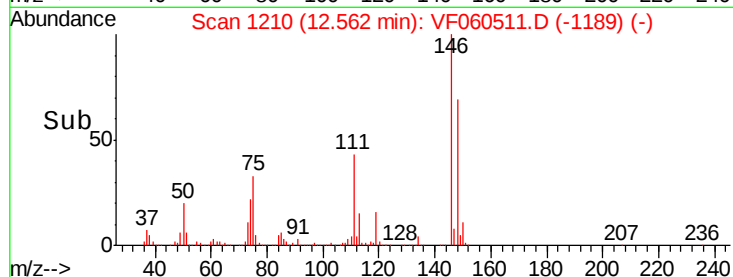
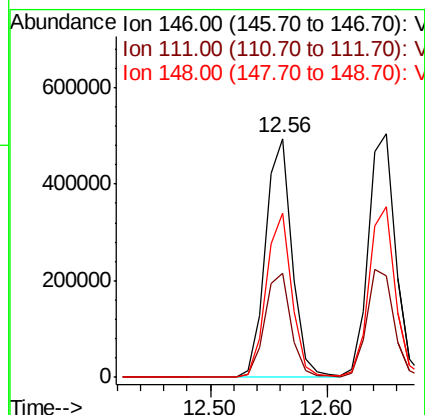
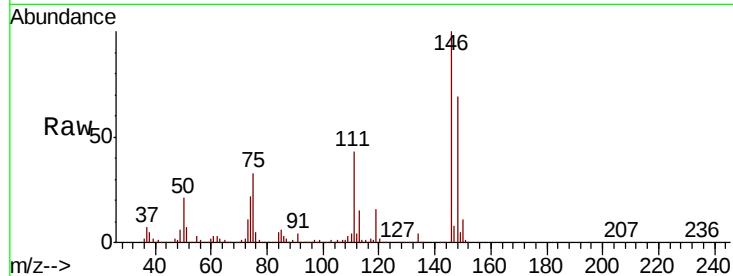
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	778699
Ion Ratio	Lower	Upper	
146	100		
111	43.4	22.3	66.8
148	69.0	34.1	102.3

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#88

1,4-Dichlorobenzene

Concen: 138.923 ug/l

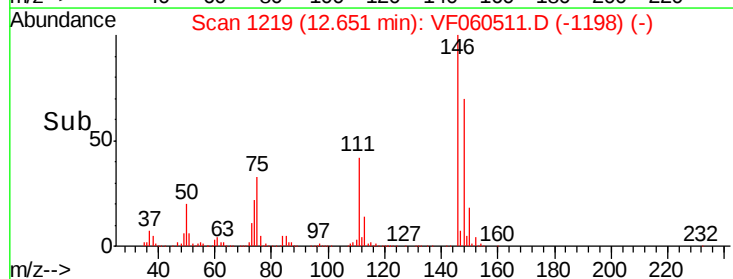
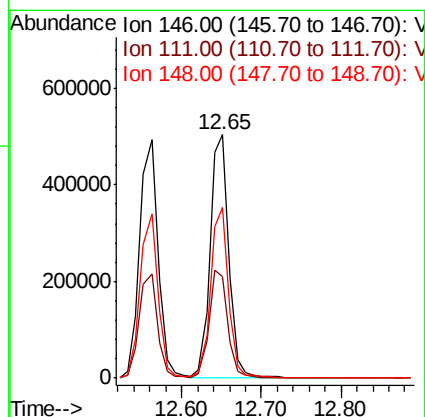
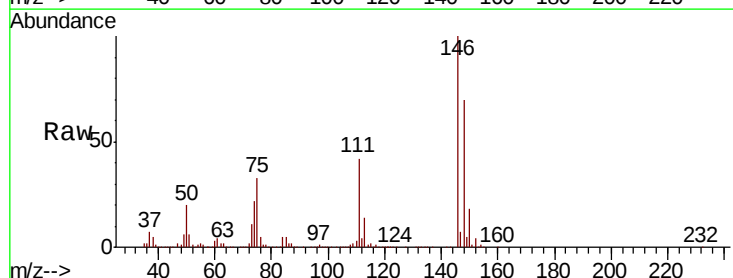
RT: 12.65 min Scan# 1219

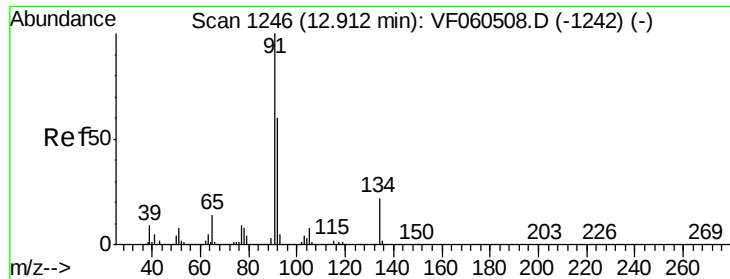
Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Tgt Ion:	146	Resp:	824036
Ion Ratio	Lower	Upper	
146	100		
111	41.5	21.1	63.3
148	70.3	33.9	101.7





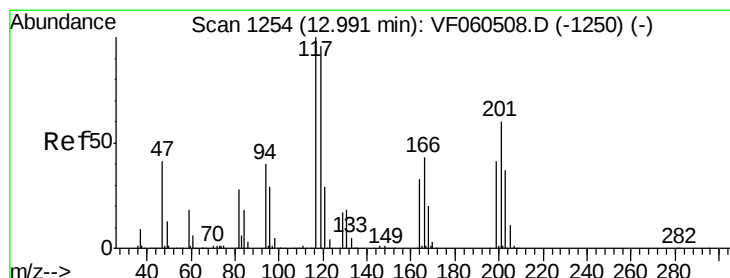
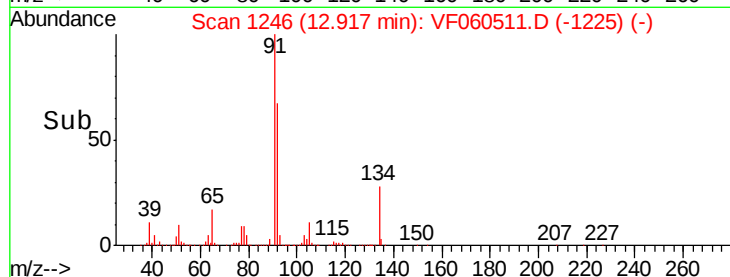
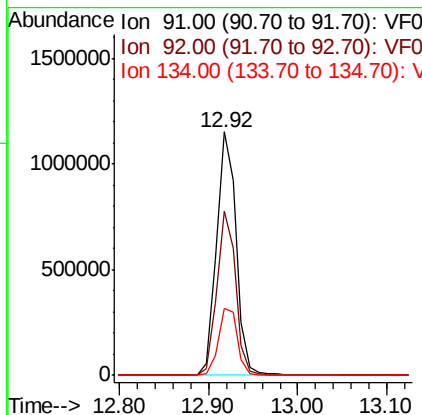
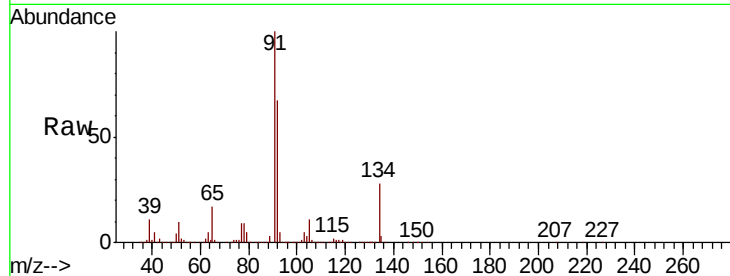
#89
n-Butylbenzene
Concen: 124.831 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.00 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	67.2	29.8	89.3
134	27.6	10.9	32.7

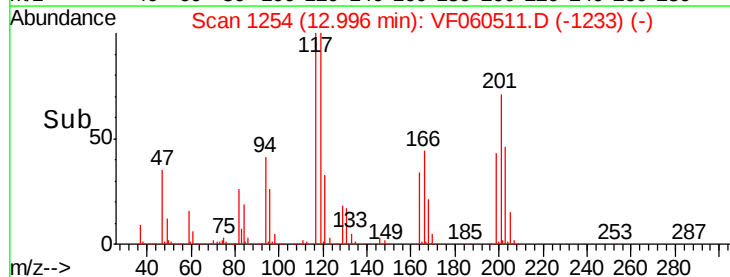
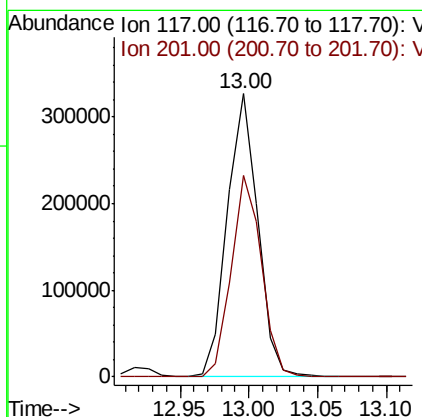
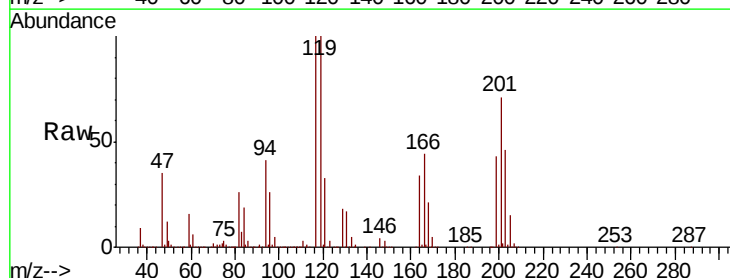
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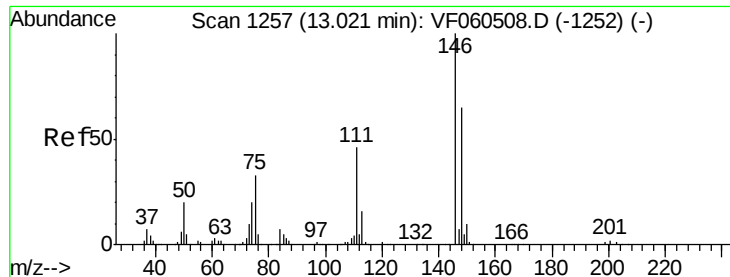
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#90
Hexachloroethane
Concen: 154.891 ug/l
RT: 13.00 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.4	30.1	90.5





#91

1,2-Dichlorobenzene

Concen: 132.096 ug/l

RT: 13.03 min Scan# 1257

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:146 Resp: 777768

Ion Ratio Lower Upper

146 100

111 43.7 22.8 68.4

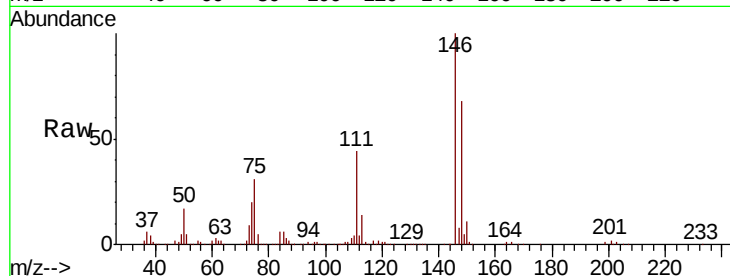
148 67.9 32.3 96.9

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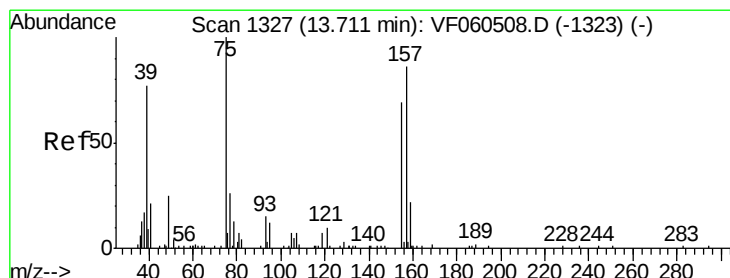
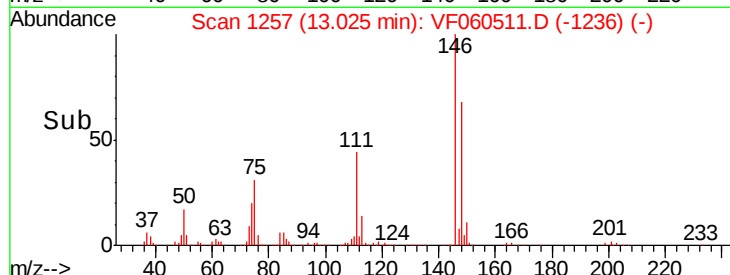
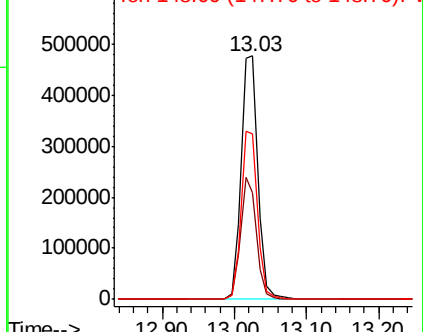
10/26/2018 10:27:58 AM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 182.582 ug/l

RT: 13.72 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VF060511.D

Acq: 25 Oct 2018 16:59

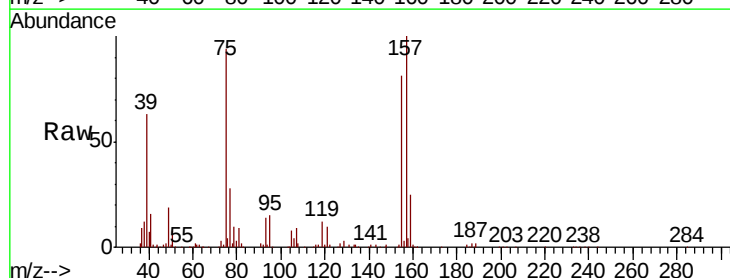
Tgt Ion: 75 Resp: 94118

Ion Ratio Lower Upper

75 100

155 85.7 34.7 104.1

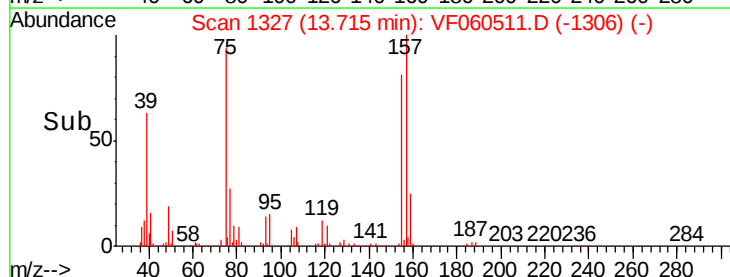
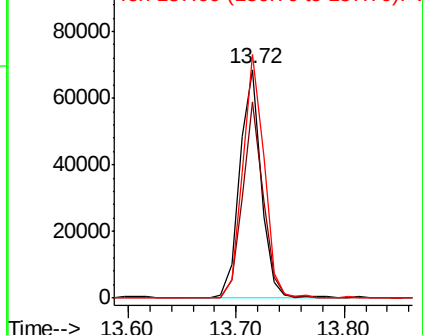
157 106.4 42.9 128.5

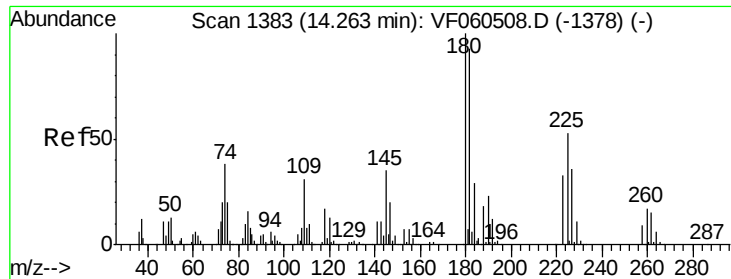


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





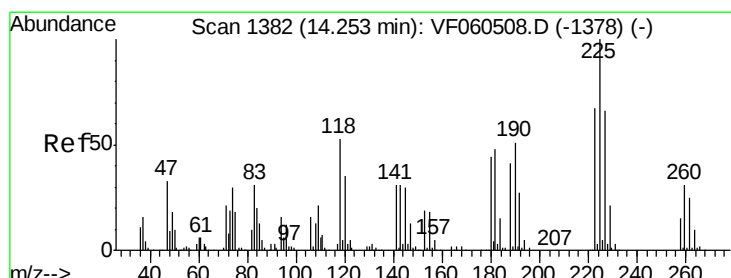
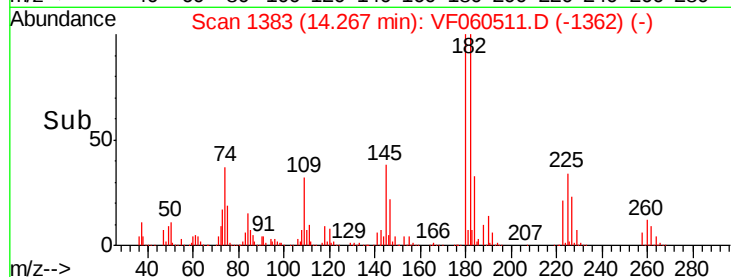
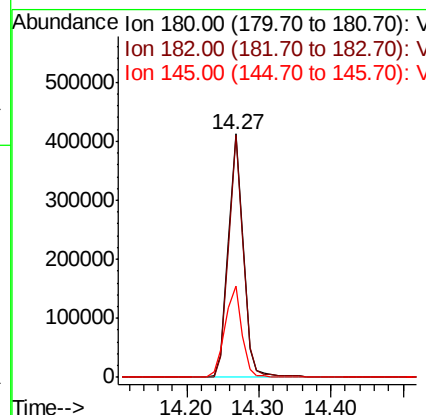
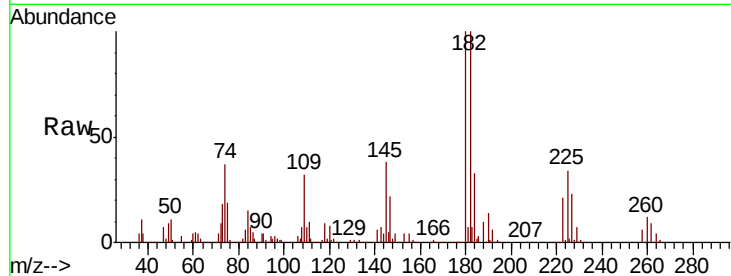
#93
 1,2,4-Trichlorobenzene
 Concen: 132.077 ug/l
 RT: 14.27 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VF060511.D
 Acq: 25 Oct 2018 16:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	600547		
182	99.8	46.7	140.0	
145	37.6	17.3	52.0	

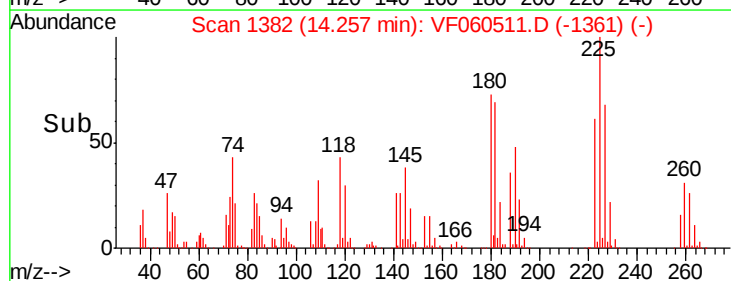
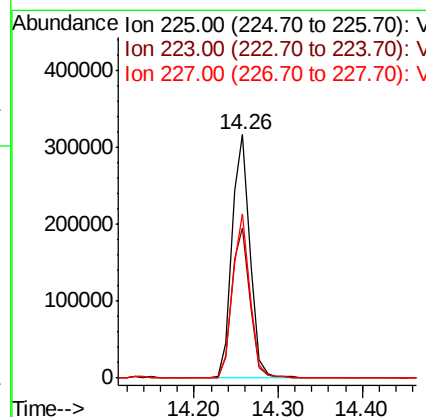
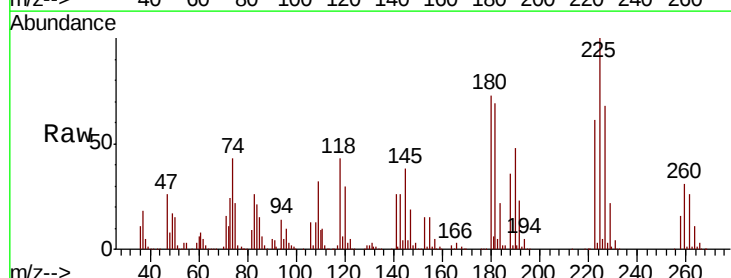
Manual Integrations
 APPROVED

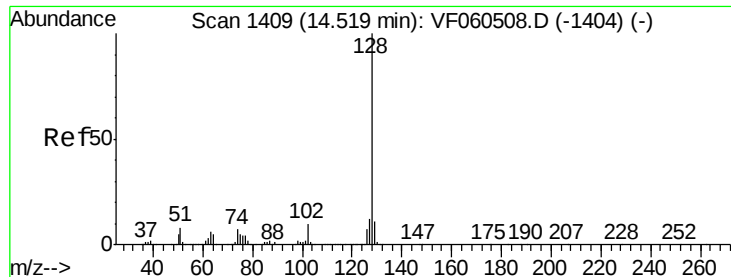
apatel
 10/26/2018 10:27:58 AM



#94
 Hexachlorobutadiene
 Concen: 150.610 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: VF060511.D
 Acq: 25 Oct 2018 16:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	465583		
223	61.5	33.4	100.2	
227	67.6	32.9	98.6	





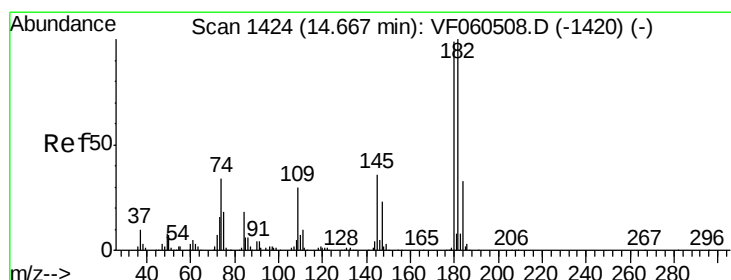
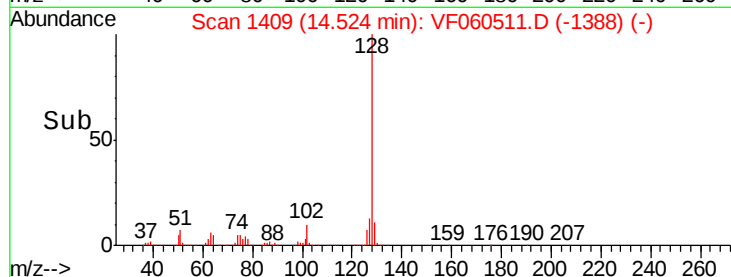
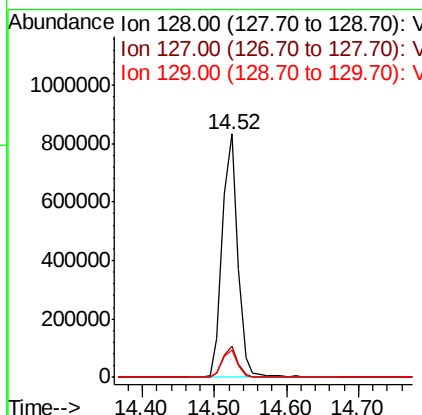
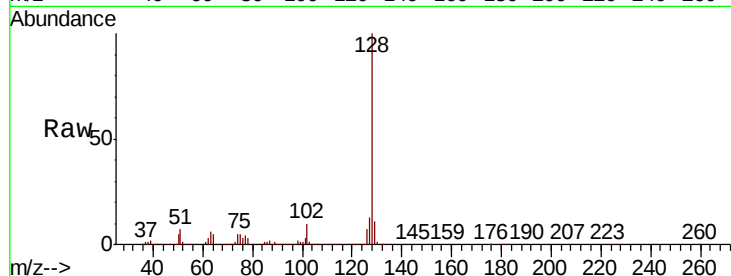
#95
Naphthalene
Concen: 158.996 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. 0.00 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.0	15.0
129	11.4	8.9	13.3

Manual Integrations
APPROVED

apatel
10/26/2018 10:27:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 141.694 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. 0.00 min
Lab File: VF060511.D
Acq: 25 Oct 2018 16:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.2	50.7	152.1
145	33.3	18.1	54.4

