

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF102918\
 Data File : VF060537.D
 Acq On : 29 Oct 2018 19:19
 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
 10/30/2018 2:07:33 PM

Quant Time: Oct 30 04:59:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F102918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 30 04:16:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	272955	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	449104	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	377001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	216515	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	635872	121.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	243.30%	
35) Dibromofluoromethane	4.30	113	592163	113.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	227.80%	
50) Toluene-d8	7.72	98	1414886	130.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	261.28%	
62) 4-Bromofluorobenzene	11.52	95	627657	107.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	214.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	661419	93.997	ug/l	97
3) Chloromethane	1.15	50	414310	122.250	ug/l	89
4) Vinyl Chloride	1.19	62	468391	122.068	ug/l	95
5) Bromomethane	1.37	94	371346	98.720	ug/l	97
6) Chloroethane	1.43	64	264092	113.691	ug/l	95
7) Trichlorofluoromethane	1.55	101	1100871	93.090	ug/l	97
8) Diethyl Ether	1.71	74	161778	140.760	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.90	101	530527	103.899	ug/l	94
10) Methyl Iodide	1.98	142	914475	125.009	ug/l	91
11) Tert butyl alcohol	2.70	59	152921	557.956	ug/l	100
12) 1,1-Dichloroethene	1.87	96	461772	124.393	ug/l	95
13) Acrolein	2.09	56	118556	522.499	ug/l	98
14) Allyl chloride	2.19	41	766905	128.732	ug/l	86
15) Acrylonitrile	3.08	53	328866	752.279	ug/l	96
16) Acetone	2.34	43	612646	500.468	ug/l	98
17) Carbon Disulfide	1.92	76	1272126	122.510	ug/l	95
18) Methyl Acetate	2.46	43	208061	120.901	ug/l	100
19) Methyl tert-butyl Ether	2.55	73	1101290	119.271	ug/l	98
20) Methylene Chloride	2.28	84	426244m	113.756	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	481229	133.528	ug/l	98
22) Diisopropyl ether	2.93	45	1364734	128.323	ug/l	98
23) Vinyl Acetate	3.34	43	2398842	689.207	ug/l	98
24) 1,1-Dichloroethane	3.01	63	962223	120.362	ug/l	98
25) 2-Butanone	4.52	43	684473	696.799	ug/l	95
26) 2,2-Dichloropropane	3.77	77	492344	92.581	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	523709	146.216	ug/l	98
28) Bromochloromethane	3.90	49	312449	125.865	ug/l	98
29) Tetrahydrofuran	4.25	42	244745	636.323	ug/l	99
30) Chloroform	4.05	83	1139494	120.539	ug/l	99
31) Cyclohexane	3.87	56	630940	148.351	ug/l	99
32) 1,1,1-Trichloroethane	4.28	97	920149	107.180	ug/l	97
36) 1,1-Dichloropropene	4.47	75	807446	123.941	ug/l	97
37) Ethyl Acetate	4.30	43	244419	113.740	ug/l #	76
38) Carbon Tetrachloride	4.18	117	898120m	94.699	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	763705	139.260	ug/l	98
40) Benzene	4.82	78	1548424	139.757	ug/l	99
41) Methacrylonitrile	4.93	41	146509	132.442	ug/l #	94
42) 1,2-Dichloroethane	5.13	62	783412	115.881	ug/l	93
43) Isopropyl Acetate	7.12	43	319555	137.915	ug/l #	91
44) Trichloroethene	5.68	130	498499	131.271	ug/l	94
45) 1,2-Dichloropropane	6.41	63	390444	140.633	ug/l	97
46) Dibromomethane	6.26	93	329100	128.988	ug/l	95
47) Bromodichloromethane	6.56	83	853786	121.150	ug/l	99
48) Methyl methacrylate	6.88	41	235632	137.341	ug/l	97
49) 1,4-Dioxane	6.87	88	44190	2924.291	ug/l #	82
51) 4-Methyl-2-Pentanone	8.41	43	1043792	591.812	ug/l	98
52) Toluene	7.79	92	982065	134.621	ug/l	94
53) t-1,3-Dichloropropene	8.44	75	624738	118.505	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	743959	134.786	ug/l	98
55) 1,1,2-Trichloroethane	8.65	97	306520	135.215	ug/l	98
56) Ethyl methacrylate	8.77	69	333898	134.812	ug/l #	90
57) 1,3-Dichloropropane	9.01	76	487283	121.445	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.79	63	184695	577.838	ug/l	100
59) 2-Hexanone	9.63	43	697382	530.875	ug/l	93
60) Dibromochloromethane	8.88	129	509209	120.947	ug/l	94
61) 1,2-Dibromoethane	9.14	107	354598	132.293	ug/l	96
64) Tetrachloroethene	8.31	164	450777	138.815	ug/l	97
65) Chlorobenzene	9.95	112	1044004	130.511	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.08	131	504016	126.152	ug/l	95
67) Ethyl Benzene	10.05	91	1961085	121.873	ug/l	95
68) m/p-Xylenes	10.29	106	1325864	260.261	ug/l	89
69) o-Xylene	10.84	106	751838	130.253	ug/l	100
70) Styrene	10.92	104	1067120	132.211	ug/l	96
71) Bromoform	10.90	173	275417	127.975	ug/l #	92
73) Isopropylbenzene	11.23	105	2149529	125.018	ug/l	96
74) N-amyl acetate	11.47	43	476358	152.594	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.79	83	378437	148.343	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	300318	138.545	ug/l	99
77) Bromobenzene	11.61	156	516719	142.868	ug/l	82
78) n-propylbenzene	11.69	91	2467866	123.088	ug/l	93
79) 2-Chlorotoluene	11.82	91	1539884	126.766	ug/l	87
80) 1,3,5-Trimethylbenzene	11.92	105	1827110	121.407	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	133386m	146.511	ug/l	
82) 4-Chlorotoluene	12.00	91	1572440	122.269	ug/l	92
83) tert-Butylbenzene	12.23	119	1730663	115.387	ug/l	99
84) 1,2,4-Trimethylbenzene	12.30	105	1867923	125.380	ug/l	94
85) sec-Butylbenzene	12.39	105	2453804	120.573	ug/l	94
86) p-Isopropyltoluene	12.54	119	2010513	116.815	ug/l	95
87) 1,3-Dichlorobenzene	12.56	146	924781	126.328	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	937331	132.987	ug/l	97
89) n-Butylbenzene	12.93	91	1963660	107.101	ug/l	92
90) Hexachloroethane	13.01	117	566101	125.728	ug/l	70
91) 1,2-Dichlorobenzene	13.03	146	880739	125.512	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.72	75	93855	151.453	ug/l	90

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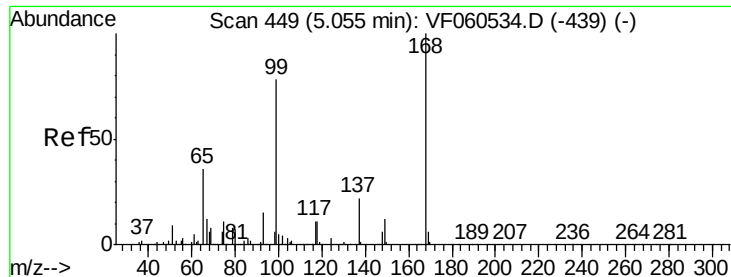
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	647449	115.279	ug/l	94
94) Hexachlorobutadiene	14.26	225	484973	117.179	ug/l	95
95) Naphthalene	14.52	128	1286370	142.461	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	650014	125.641	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 449

Delta R.T. 0.01 min

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Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 272955

Ion Ratio Lower Upper

168 100

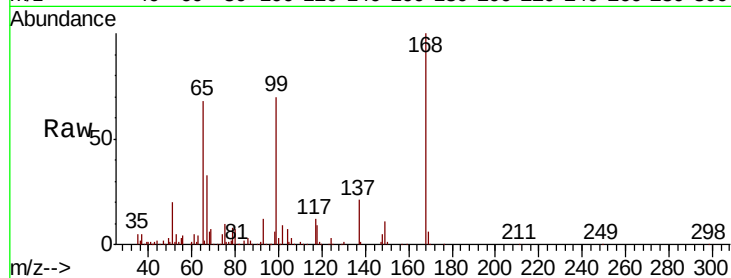
99 69.9 62.6 93.8

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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

5.06

100000

80000

60000

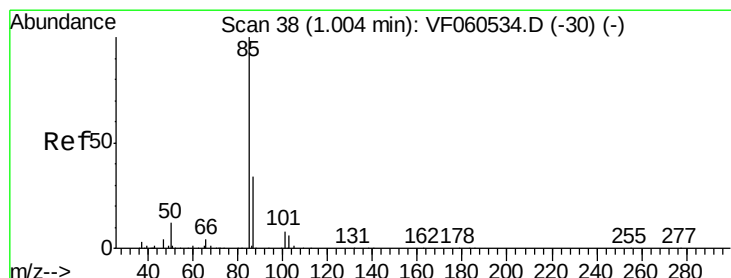
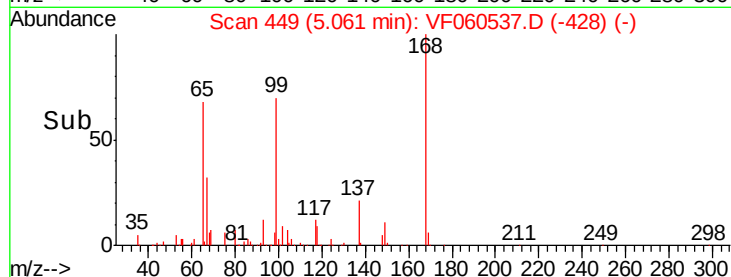
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 93.997 ug/l

RT: 1.00 min Scan# 37

Delta R.T. -0.00 min

Lab File: VF060537.D

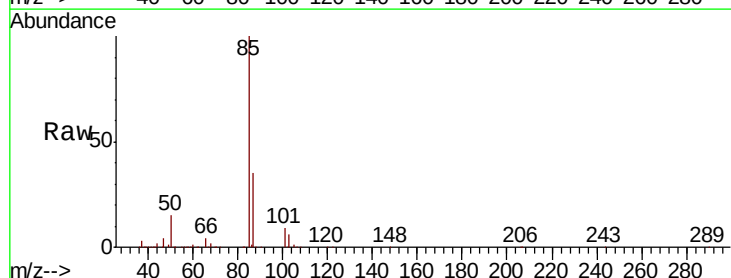
Acq: 29 Oct 2018 19:19

Tgt Ion: 85 Resp: 661419

Ion Ratio Lower Upper

85 100

87 35.4 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

200000

150000

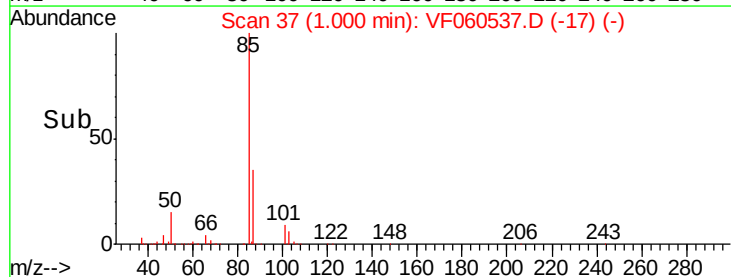
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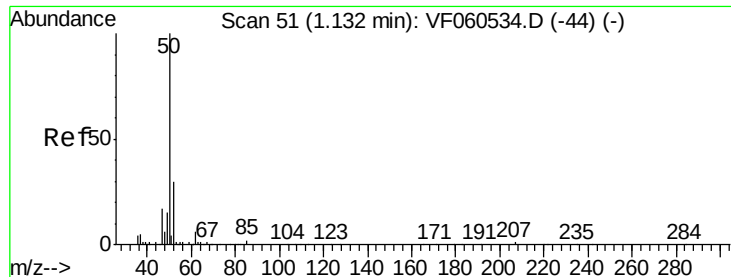
50000

0

0.80 1.00 1.20

Time-->





#3

Chloromethane

Concen: 122.250 ug/l

RT: 1.15 min Scan# 52

Delta R.T. 0.02 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 414310

Ion Ratio Lower Upper

50 100

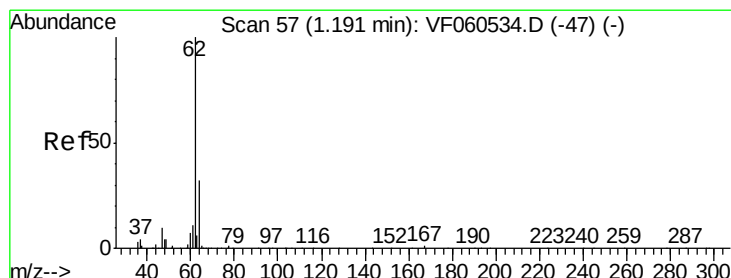
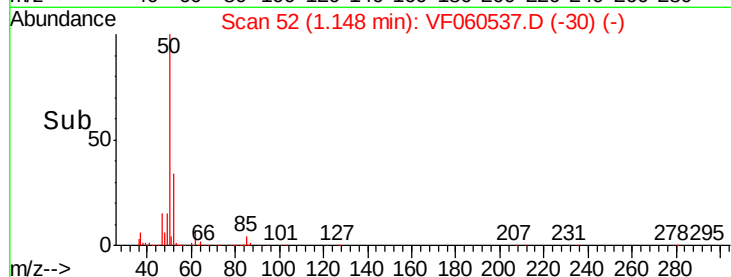
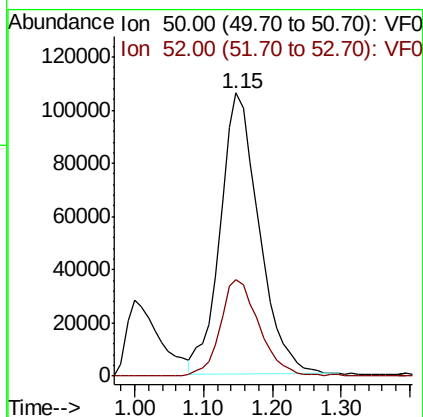
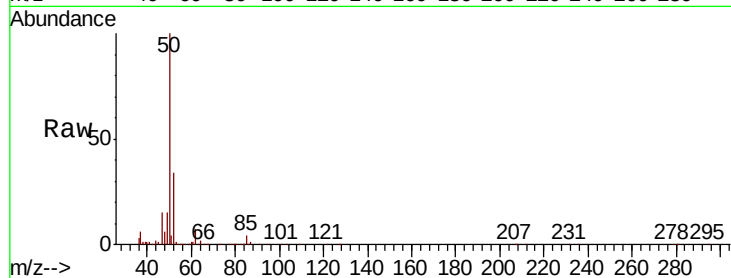
52 34.1 22.8 34.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 122.068 ug/l

RT: 1.19 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF060537.D

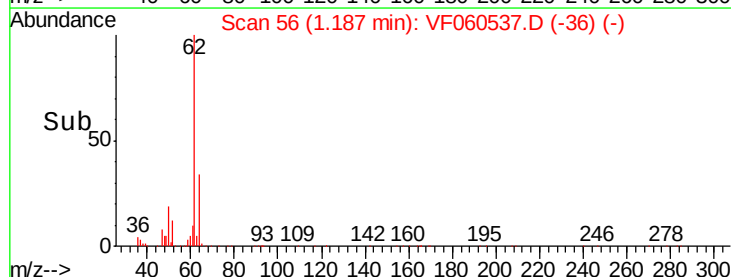
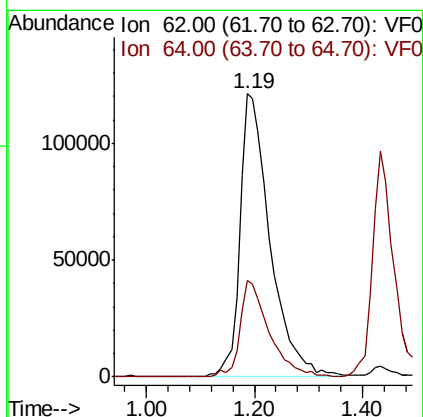
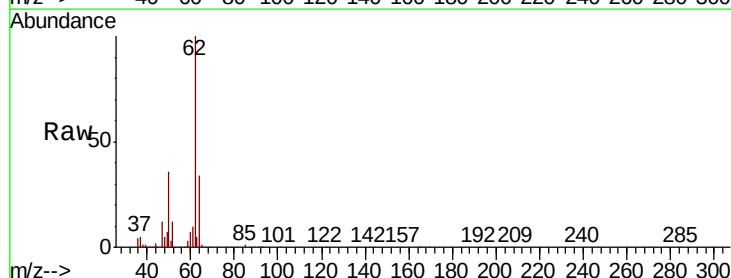
Acq: 29 Oct 2018 19:19

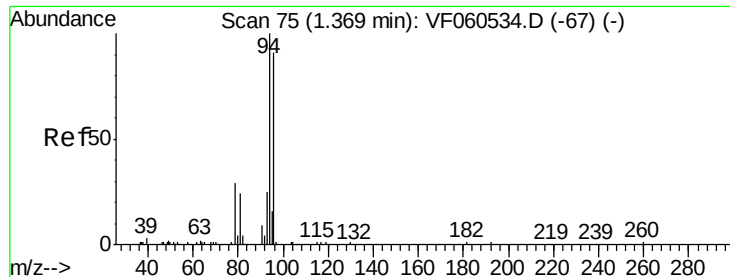
Tgt Ion: 62 Resp: 468391

Ion Ratio Lower Upper

62 100

64 34.3 25.3 37.9





#5

Bromomethane

Concen: 98.720 ug/l

RT: 1.37 min Scan# 75

Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

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Tot Ion: 94 Resp: 371346

Ion Ratio Lower Upper

94 100

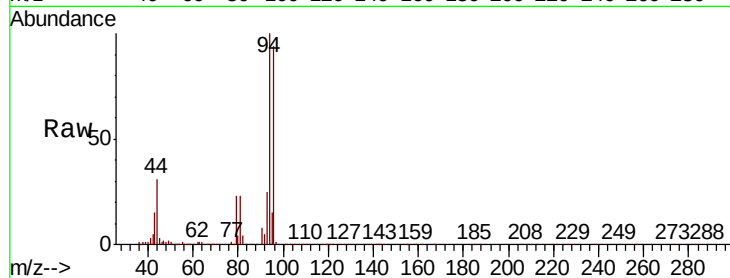
96 94.0 73.2 109.8

Manual Integrations

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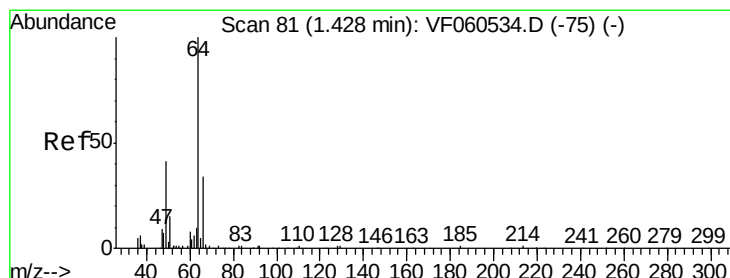
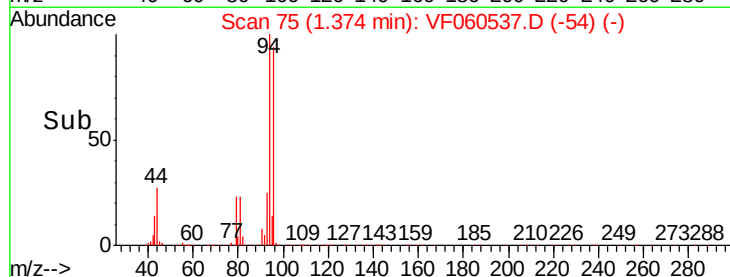
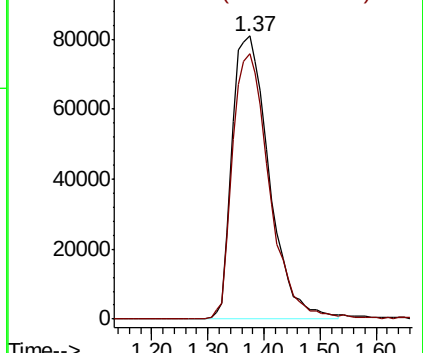
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 113.691 ug/l

RT: 1.43 min Scan# 81

Delta R.T. 0.01 min

Lab File: VF060537.D

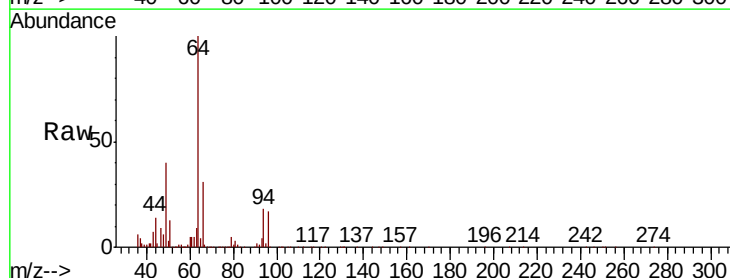
Acq: 29 Oct 2018 19:19

Tgt Ion: 64 Resp: 264092

Ion Ratio Lower Upper

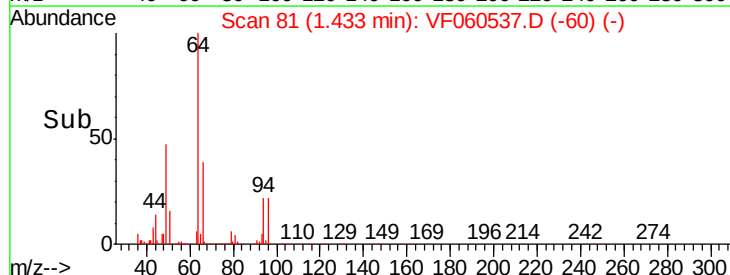
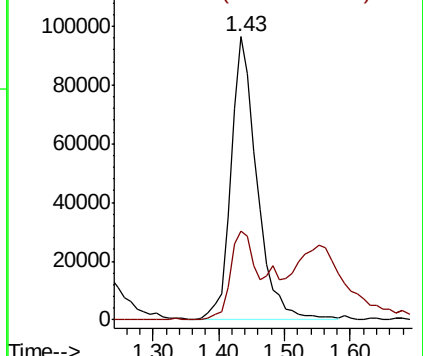
64 100

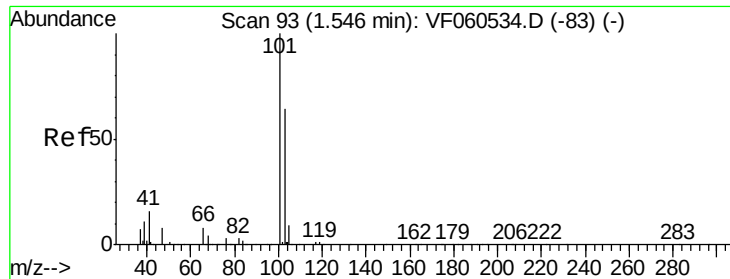
66 31.2 27.1 40.7



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

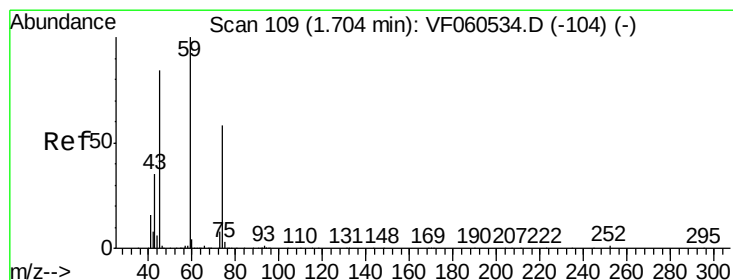
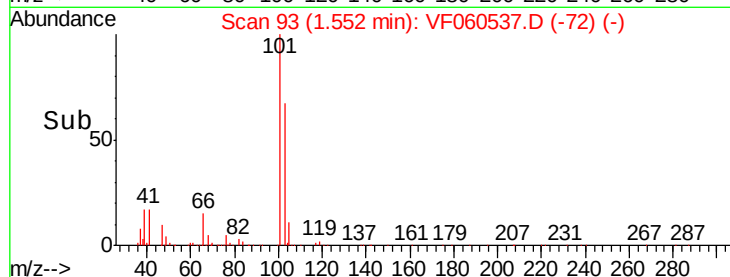
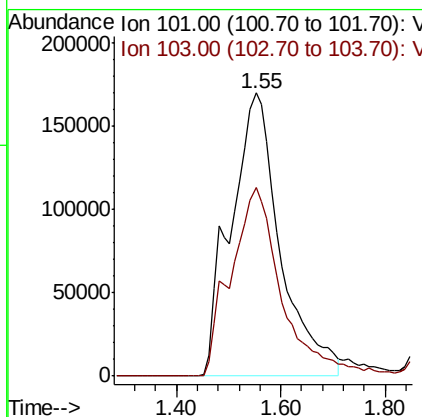
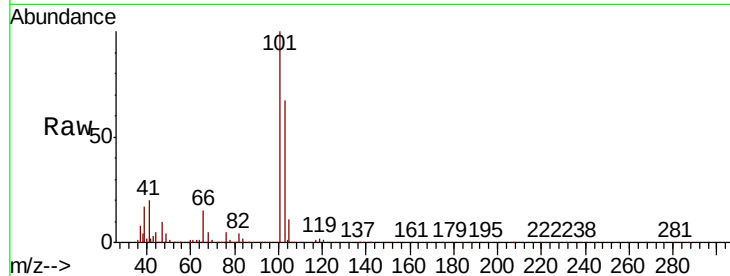
Trichlorofluoromethane
Concen: 93.090 ug/l
RT: 1.55 min Scan# 93
Delta R.T. 0.01 min
Lab File: VF060537.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.6	77.4

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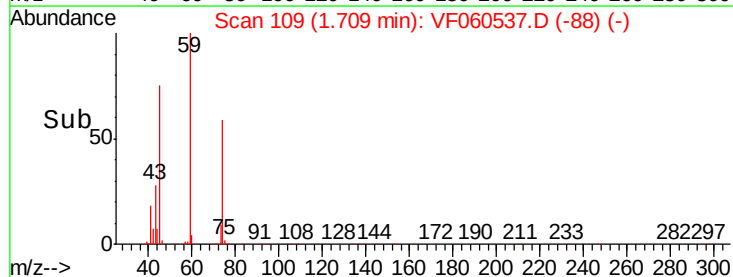
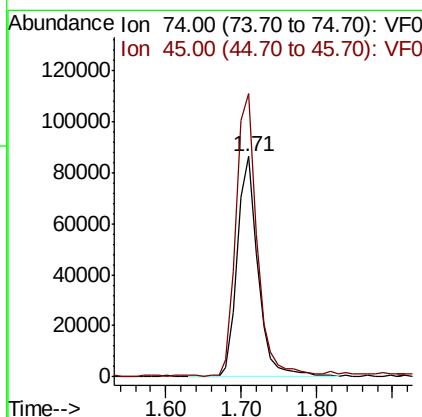
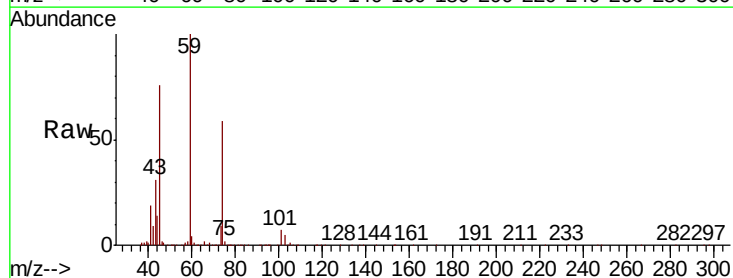
apatel
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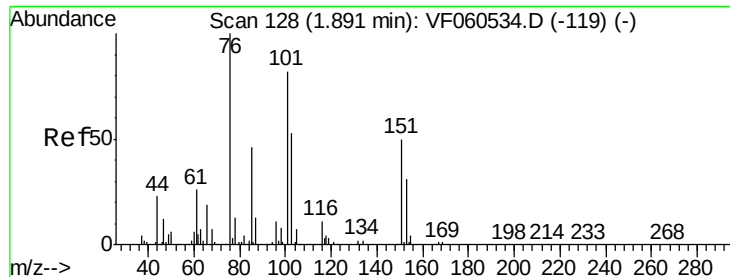


#8

Diethyl Ether
Concen: 140.760 ug/l
RT: 1.71 min Scan# 109
Delta R.T. 0.01 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	128.5	72.9	218.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 103.899 ug/l

RT: 1.90 min Scan# 128

Delta R.T. 0.01 min

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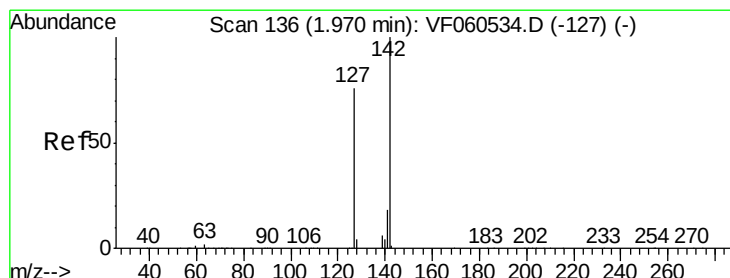
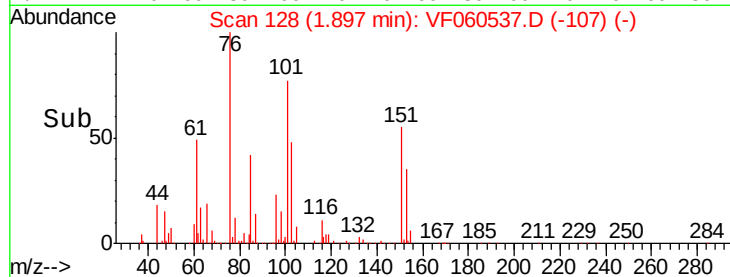
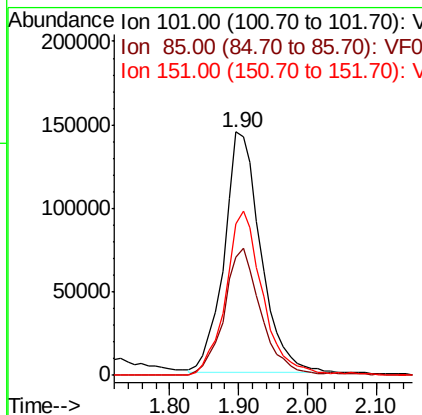
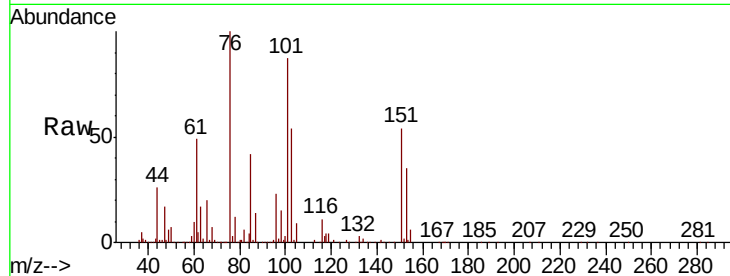
ClientSampleId :

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Tot Ion:	101	Resp:	530527
Ion Ratio	Lower	Upper	
101	100		
85	48.3	44.6	67.0
151	62.5	48.4	72.6

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#10

Methyl Iodide

Concen: 125.009 ug/l

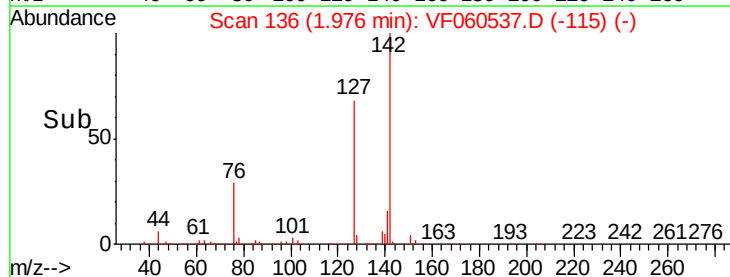
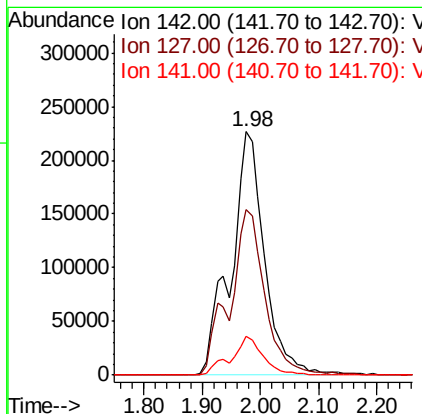
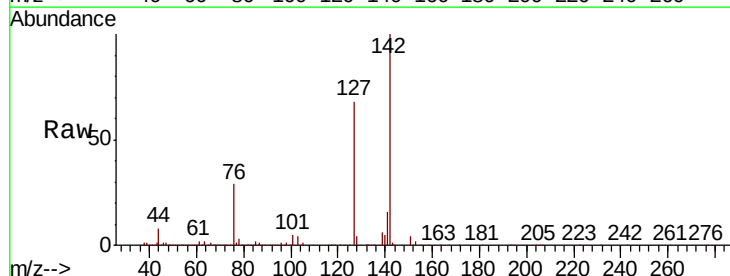
RT: 1.98 min Scan# 136

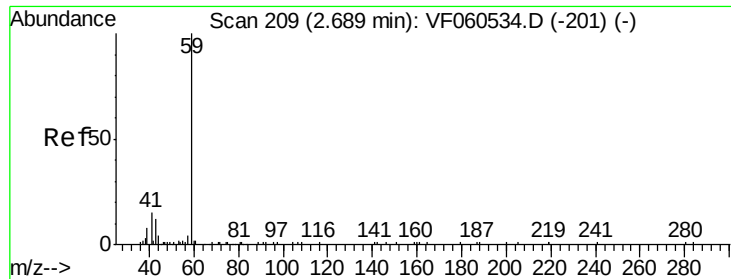
Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Tgt Ion:	142	Resp:	914475
Ion Ratio	Lower	Upper	
142	100		
127	68.0	61.2	91.8
141	16.2	14.0	21.0





#11

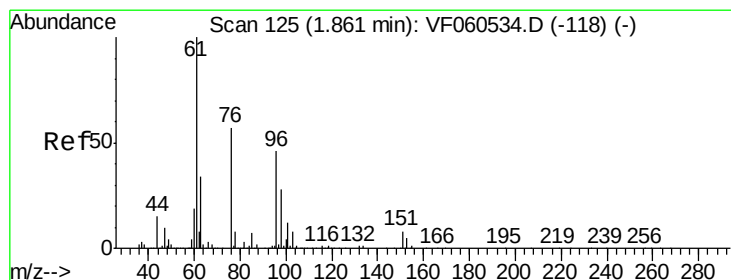
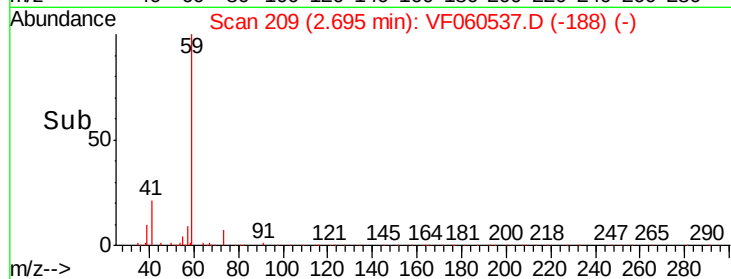
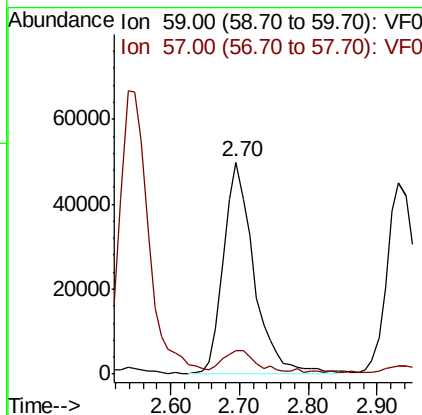
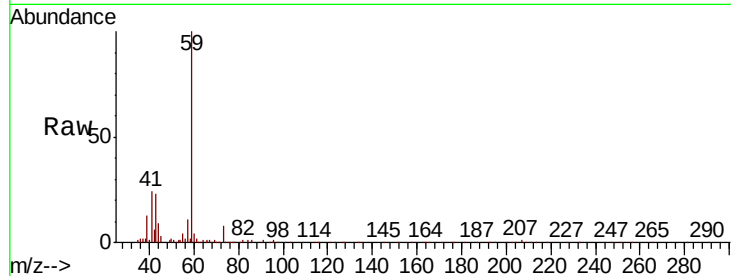
Tert butyl alcohol
Concen: 557.956 ug/l
RT: 2.70 min Scan# 209
Delta R.T. 0.01 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.9	13.3

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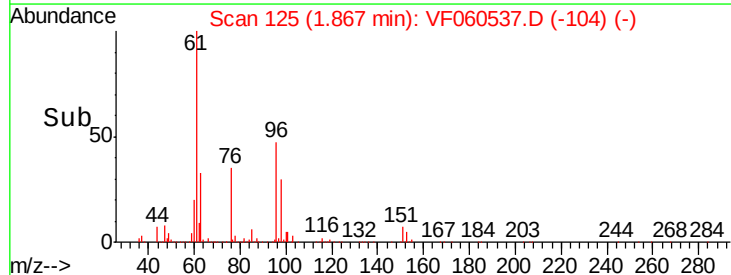
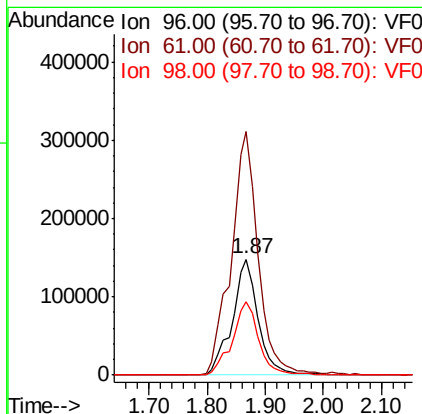
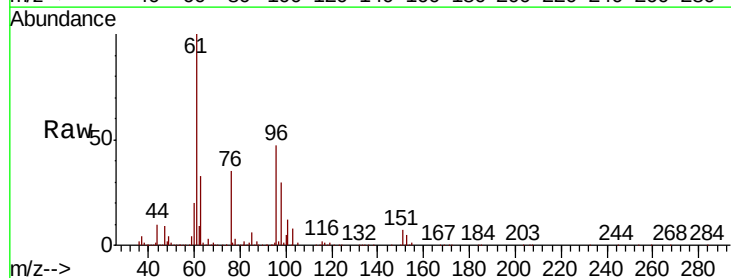
apatel
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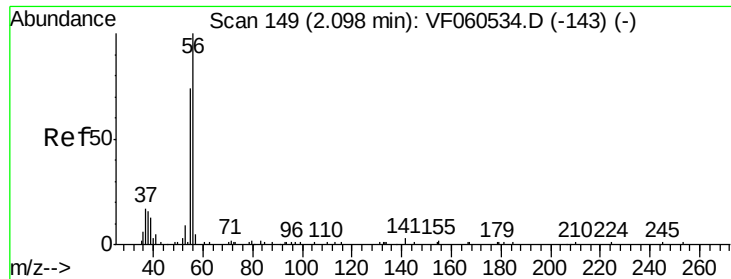


#12

1,1-Dichloroethene
Concen: 124.393 ug/l
RT: 1.87 min Scan# 125
Delta R.T. 0.01 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	210.6	175.4	263.2
98	63.4	48.9	73.3





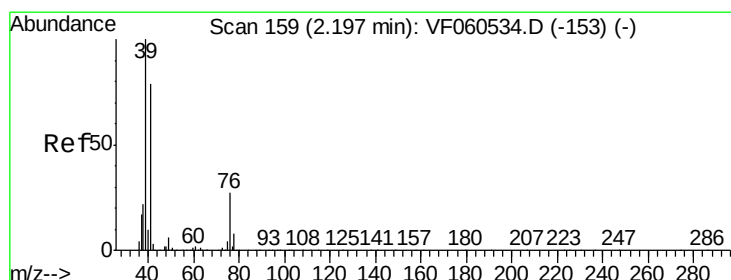
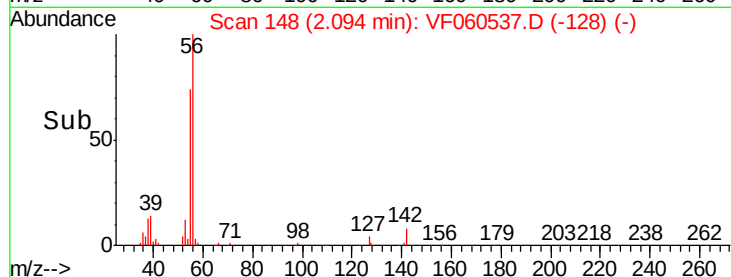
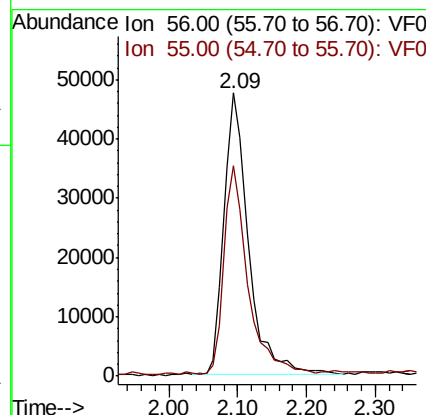
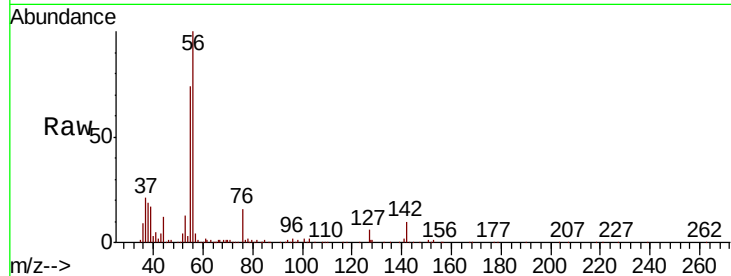
#13
Acrolein
Concen: 522.499 ug/l
RT: 2.09 min Scan# 148
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	74.1	60.4	90.6

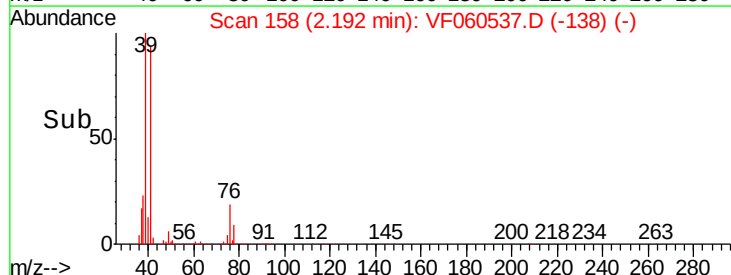
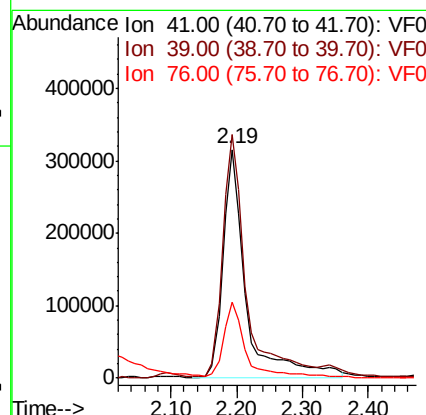
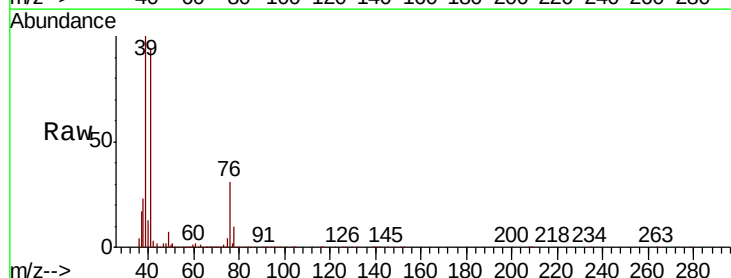
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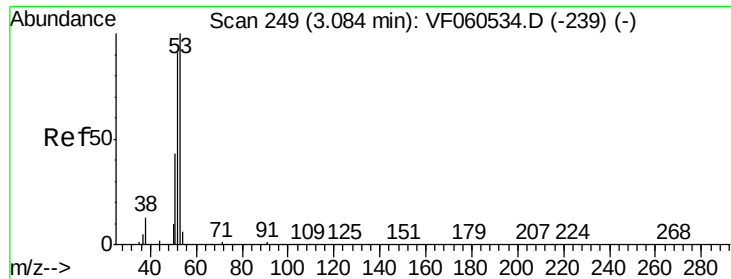
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#14
Allyl chloride
Concen: 128.732 ug/l
RT: 2.19 min Scan# 158
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Lower	Upper
41	100		
39	106.7	100.6	151.0
76	33.3	27.6	41.4





#15

Acrylonitrile

Concen: 752.279 ug/l

RT: 3.08 min Scan# 248

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

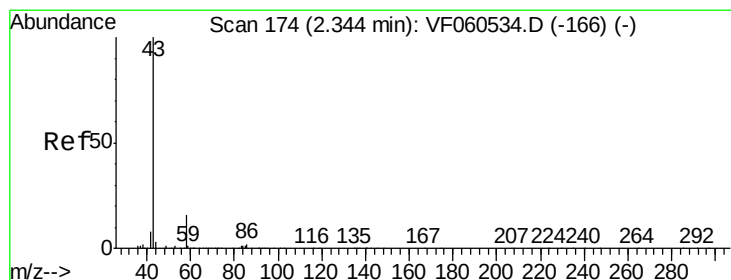
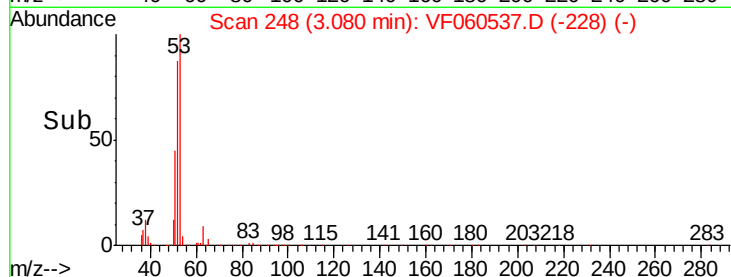
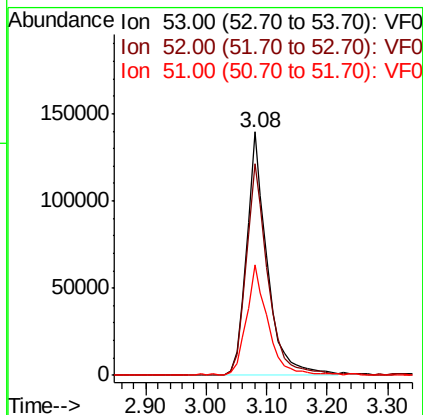
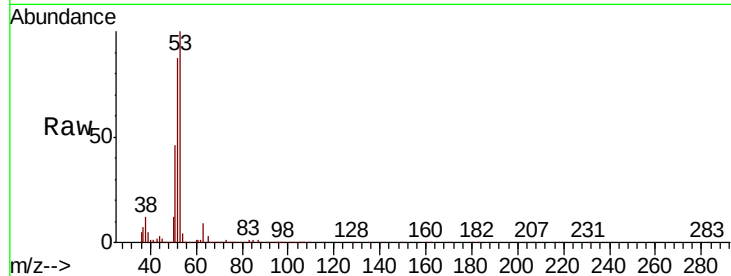
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	328866
Ion	Ratio	Lower	Upper
53	100		
52	86.9	73.2	109.8
51	45.6	35.0	52.4

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#16

Acetone

Concen: 500.468 ug/l

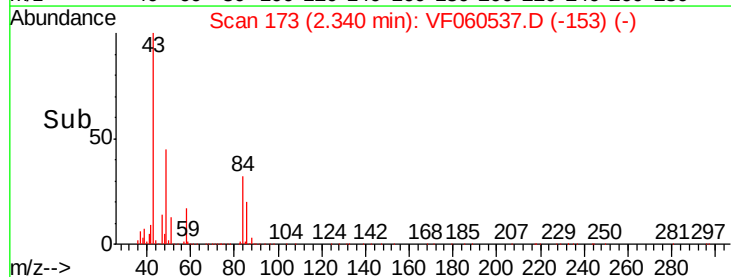
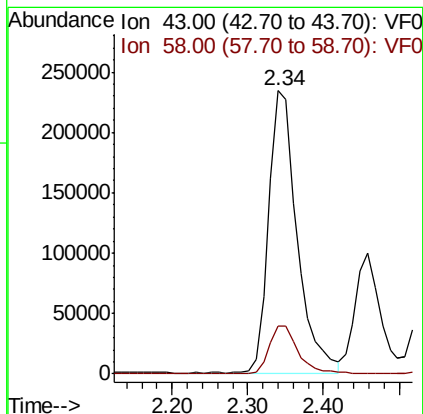
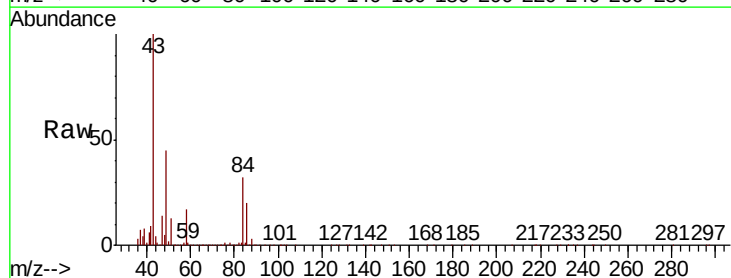
RT: 2.34 min Scan# 173

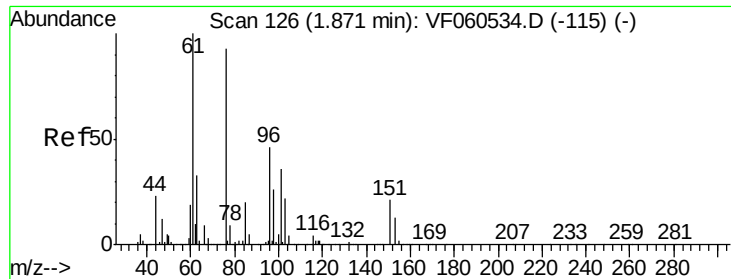
Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Tgt Ion:	43	Resp:	612646
Ion	Ratio	Lower	Upper
43	100		
58	17.0	12.8	19.2





#17

Carbon Disulfide

Concen: 122.510 ug/l

RT: 1.92 min Scan# 130

Delta R.T. 0.05 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1272126

Ion Ratio Lower Upper

76 100

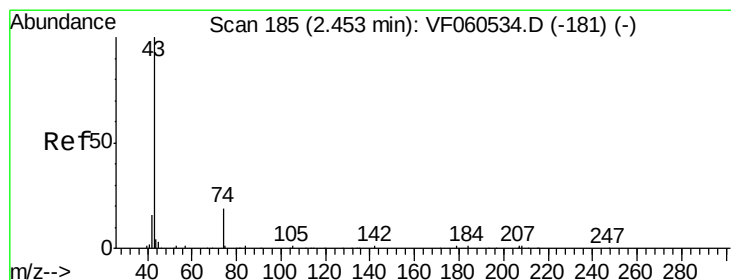
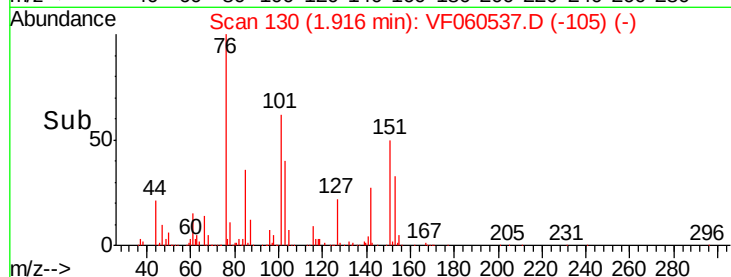
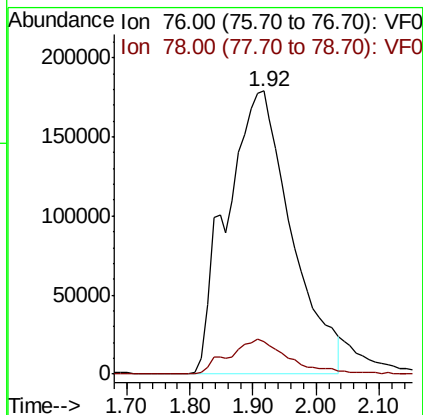
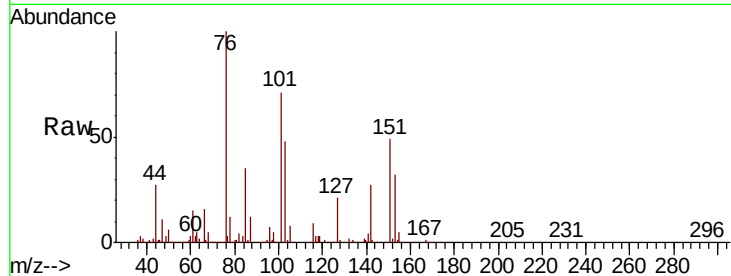
78 11.7 8.0 12.0

Manual Integrations

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#18

Methyl Acetate

Concen: 120.901 ug/l

RT: 2.46 min Scan# 185

Delta R.T. 0.01 min

Lab File: VF060537.D

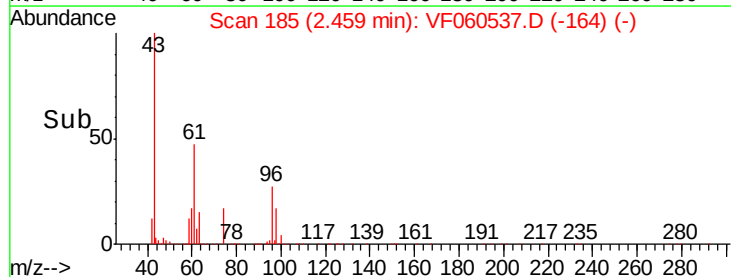
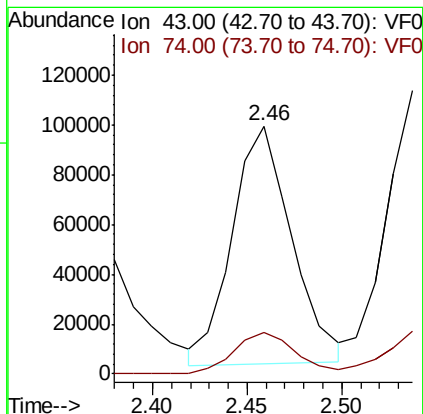
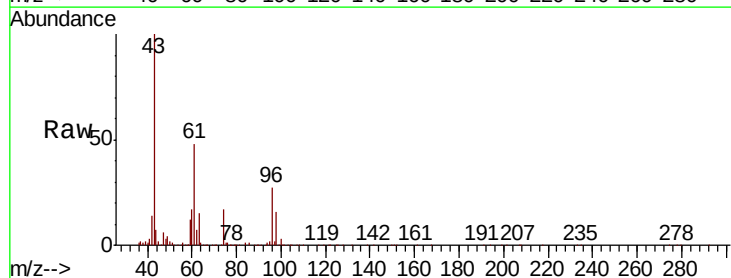
Acq: 29 Oct 2018 19:19

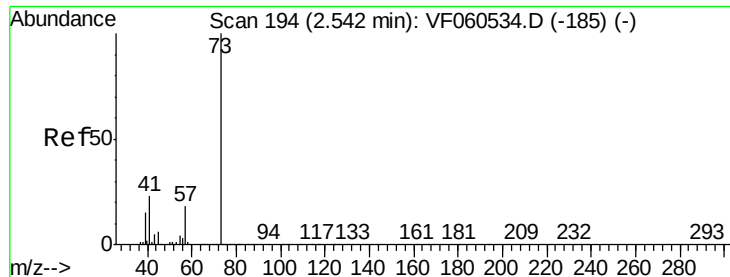
Tgt Ion: 43 Resp: 208061

Ion Ratio Lower Upper

43 100

74 16.8 13.5 20.3





#19

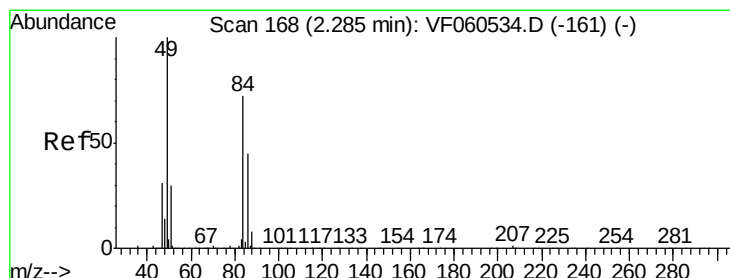
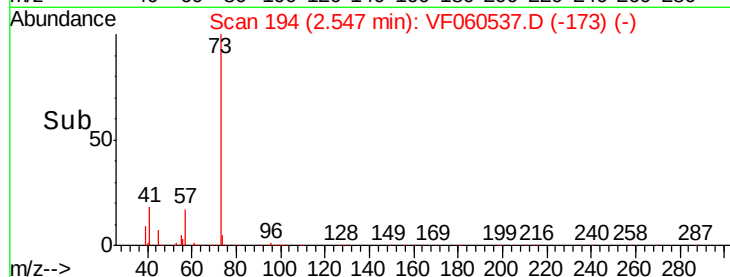
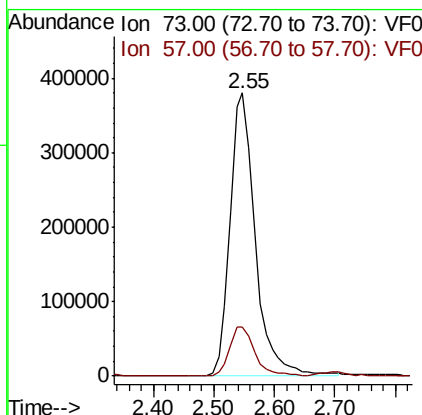
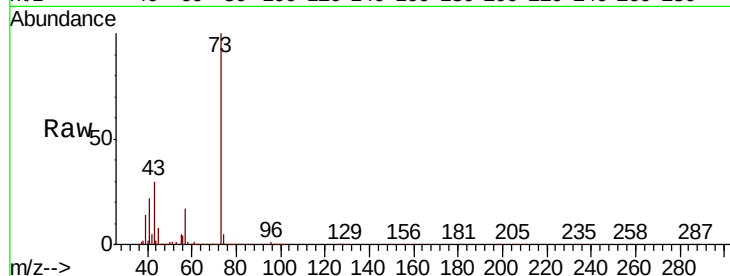
Methyl tert-butyl Ether
 Concen: 119.271 ug/l
 RT: 2.55 min Scan# 194
 Delta R.T. 0.01 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 1101290
 Ion Ratio Lower Upper
 73 100
 57 17.5 14.7 22.1

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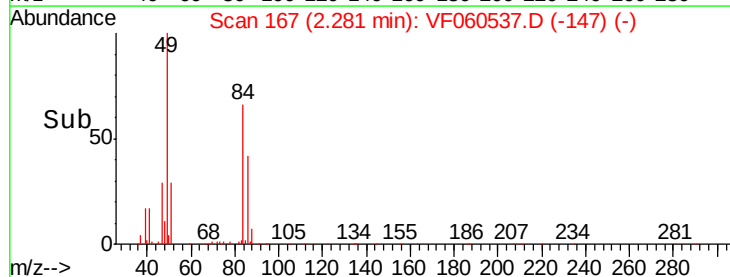
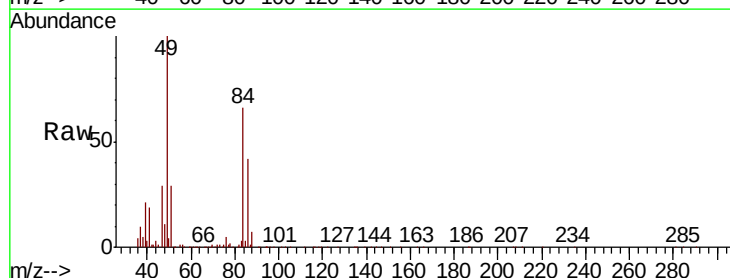
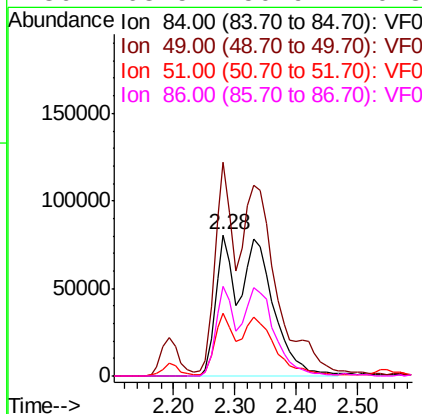
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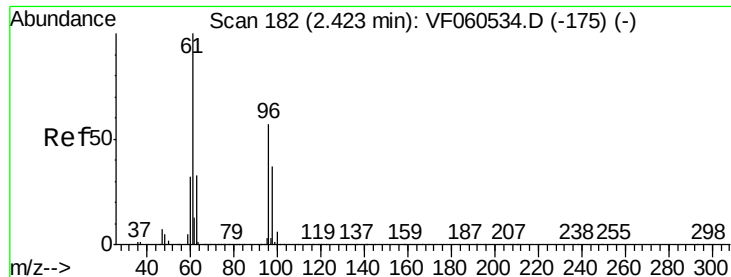


#20

Methylene Chloride
 Concen: 113.756 ug/l m
 RT: 2.28 min Scan# 167
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Tgt Ion: 84 Resp: 426244
 Ion Ratio Lower Upper
 84 100
 49 151.7 115.4 173.0
 51 44.7 35.4 53.2
 86 63.5 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 133.528 ug/l

RT: 2.42 min Scan# 181

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

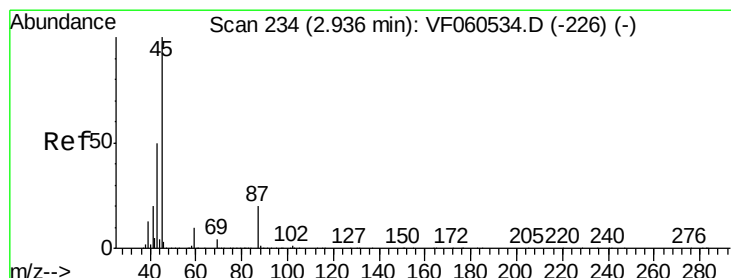
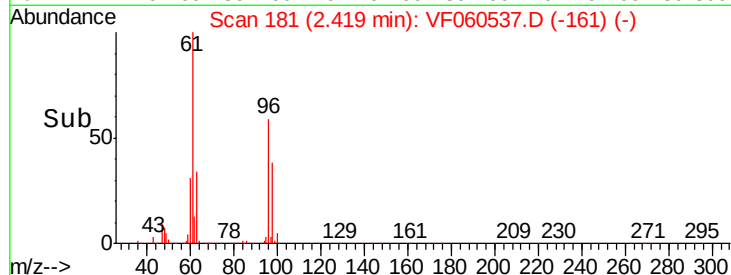
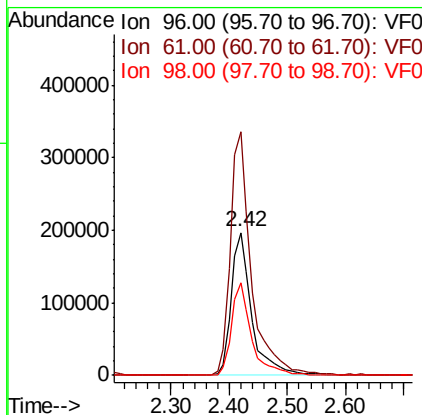
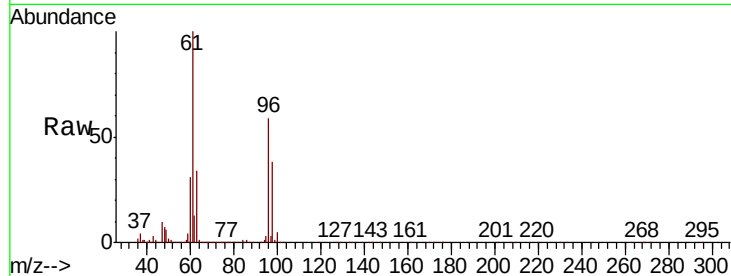
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	481229
Ion	Ratio	Lower	Upper
96	100		
61	170.6	139.8	209.6
98	65.3	52.2	78.4

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#22

Diisopropyl ether

Concen: 128.323 ug/l

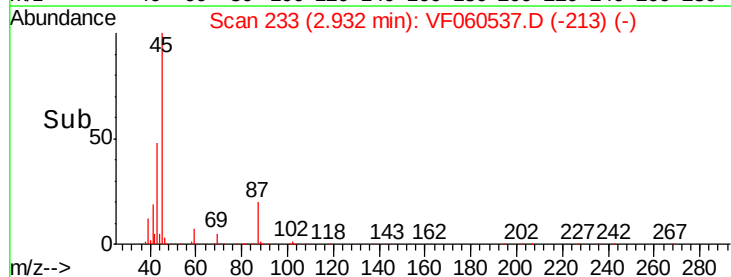
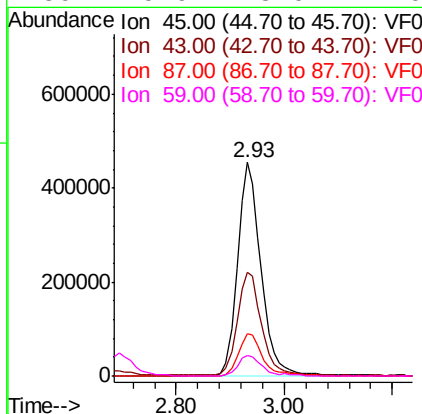
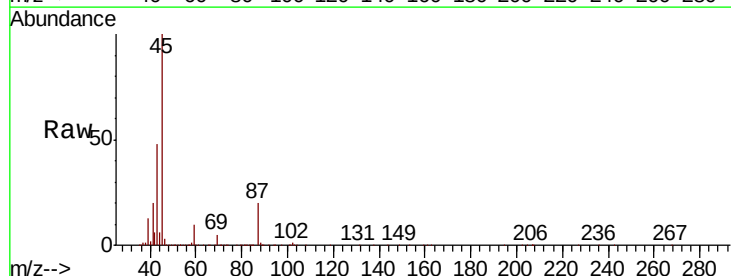
RT: 2.93 min Scan# 233

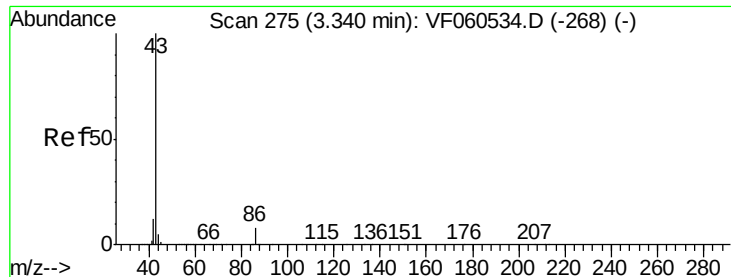
Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Tgt Ion:	45	Resp:	1364734
Ion	Ratio	Lower	Upper
45	100		
43	48.3	40.6	60.8
87	19.6	15.9	23.9
59	9.9	8.0	12.0





#23

Vinyl Acetate

Concen: 689.207 ug/l

RT: 3.34 min Scan# 274

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2398842

Ion Ratio Lower Upper

43 100

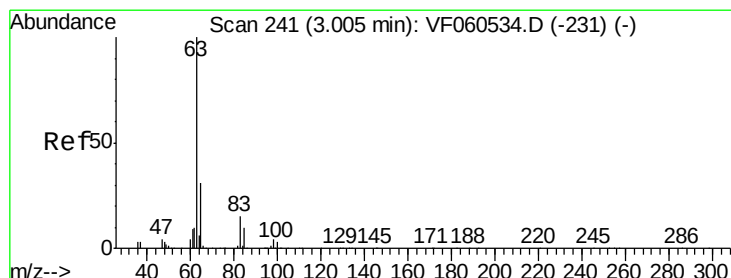
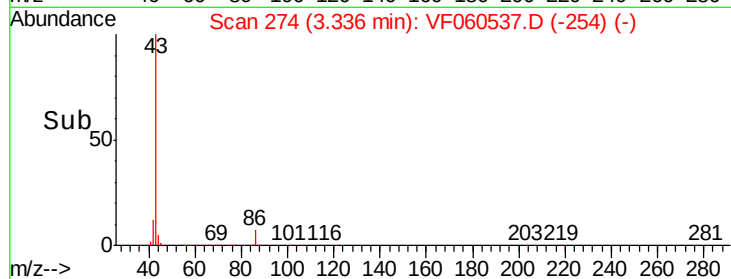
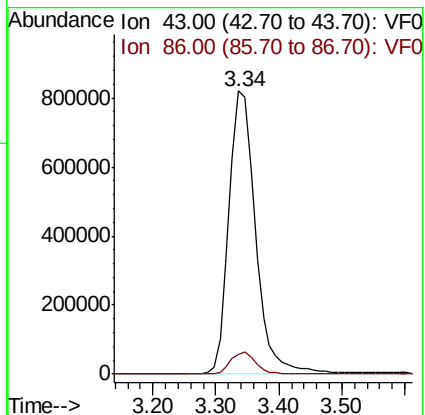
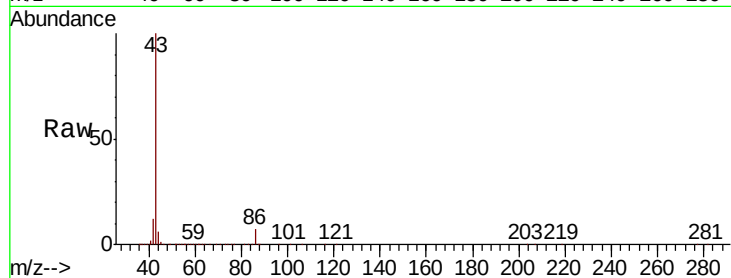
86 7.1 6.2 9.2

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#24

1,1-Dichloroethane

Concen: 120.362 ug/l

RT: 3.01 min Scan# 241

Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

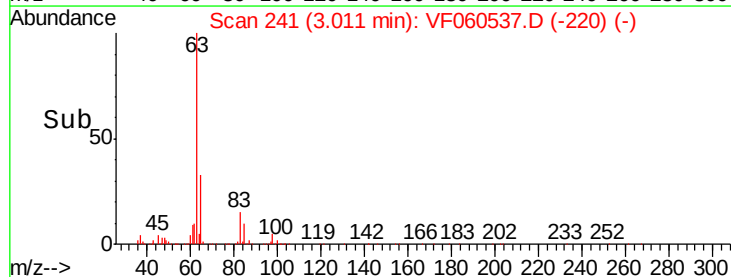
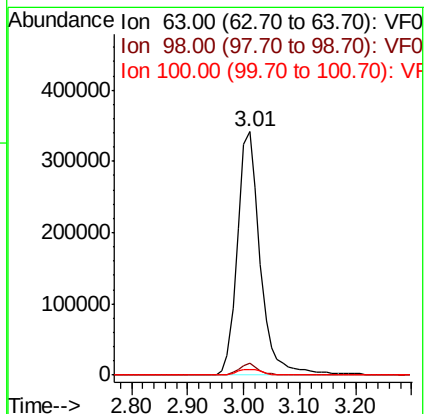
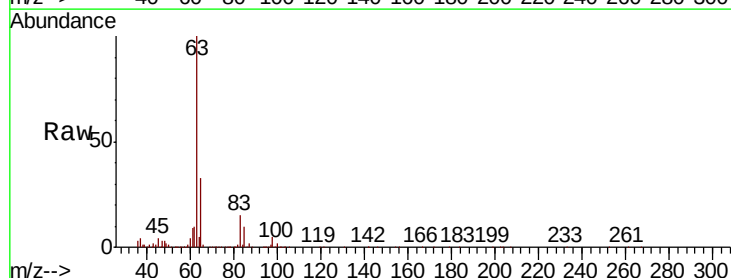
Tgt Ion: 63 Resp: 962223

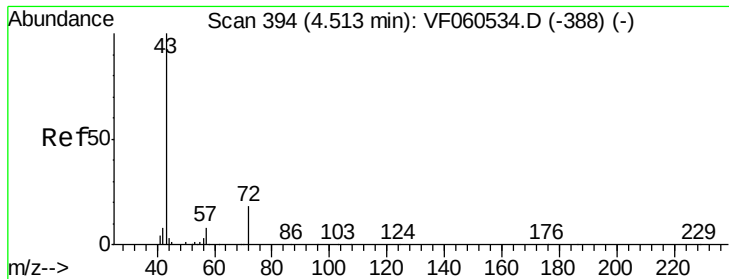
Ion Ratio Lower Upper

63 100

98 4.9 2.0 6.0

100 2.5 1.4 4.0





#25

2-Butanone

Concen: 696.799 ug/l

RT: 4.52 min Scan# 394

Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 684473

Ion Ratio Lower Upper

43 100

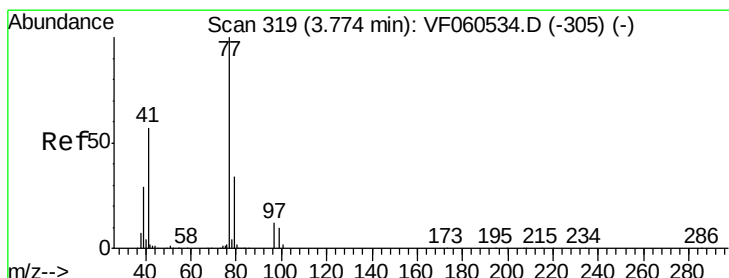
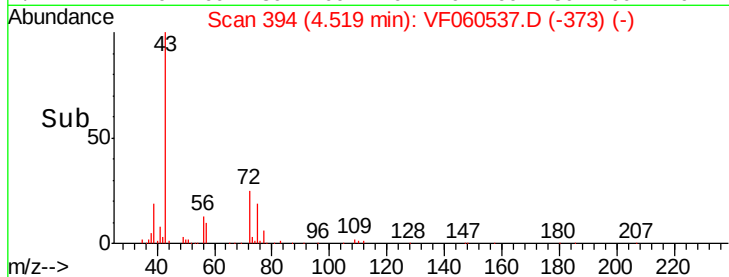
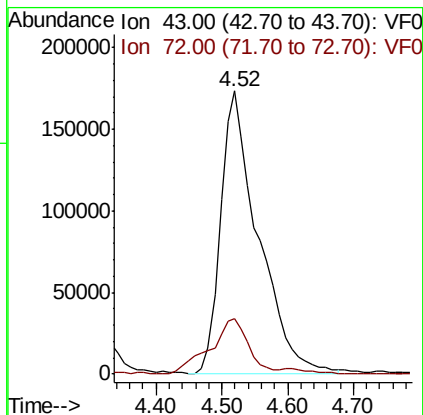
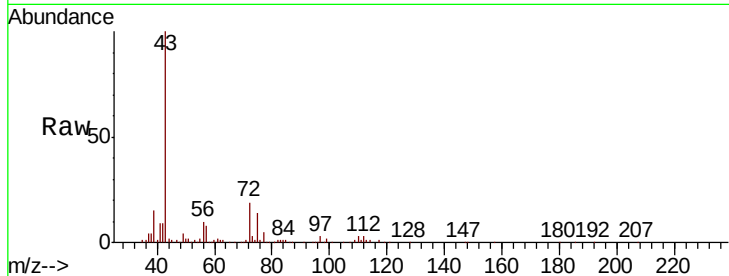
72 19.5 17.4 26.0

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#26

2,2-Dichloropropane

Concen: 92.581 ug/l

RT: 3.77 min Scan# 318

Delta R.T. -0.00 min

Lab File: VF060537.D

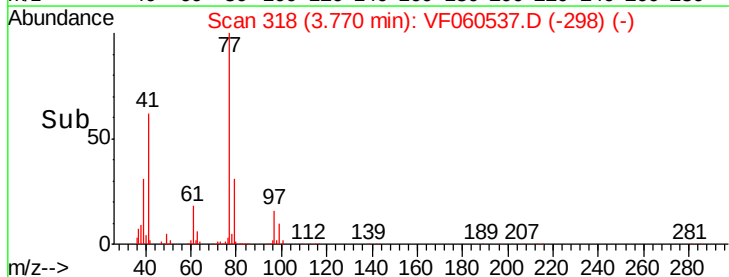
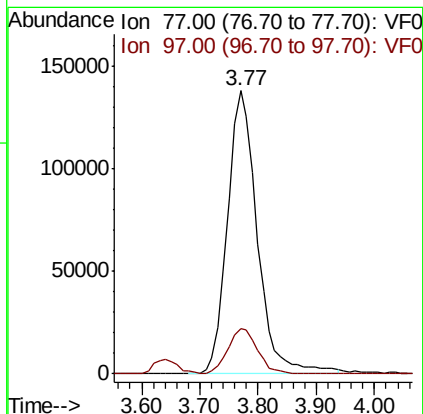
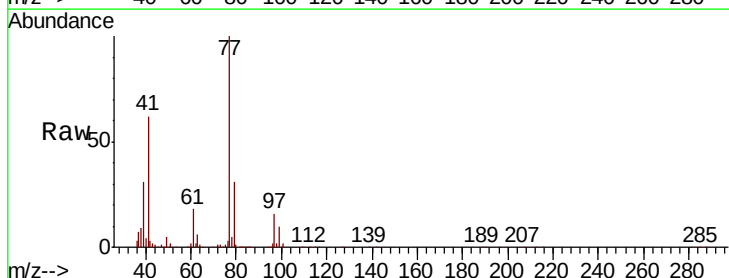
Acq: 29 Oct 2018 19:19

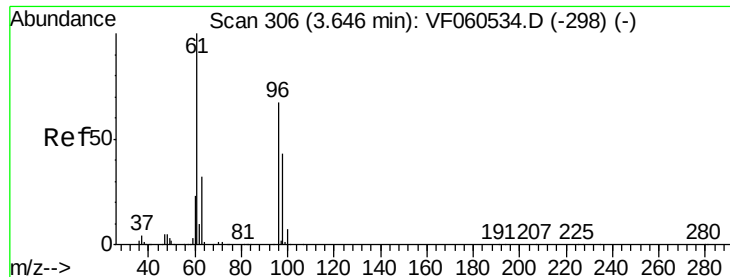
Tgt Ion: 77 Resp: 492344

Ion Ratio Lower Upper

77 100

97 15.9 8.5 25.5





#27

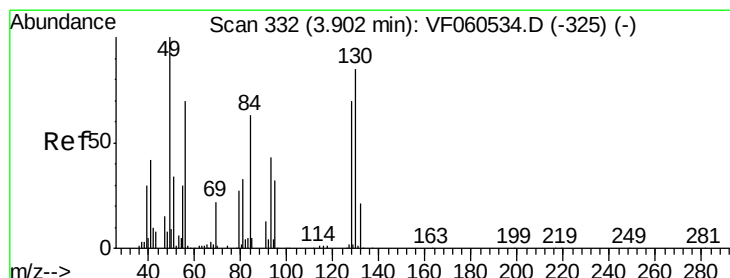
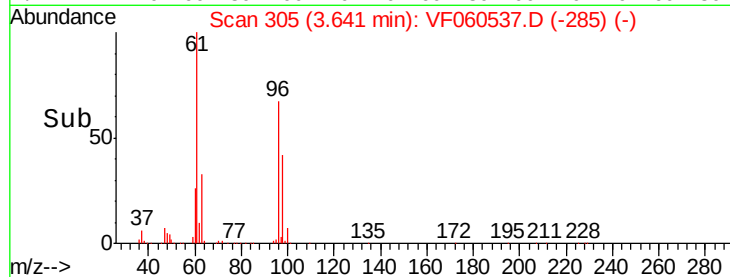
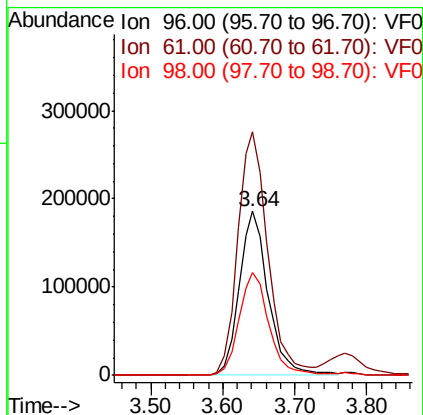
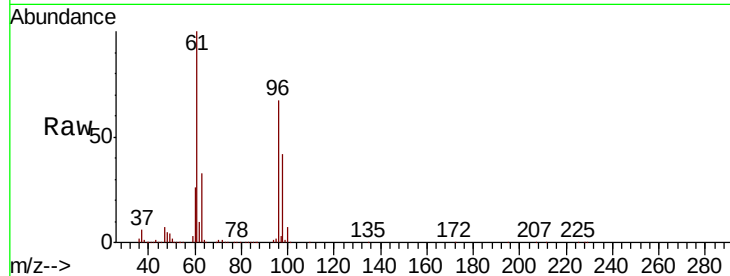
cis-1,2-Dichloroethene
 Concen: 146.216 ug/l
 RT: 3.64 min Scan# 305
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	523709		
61	148.3		0.0	300.8
98	62.6		0.0	128.4

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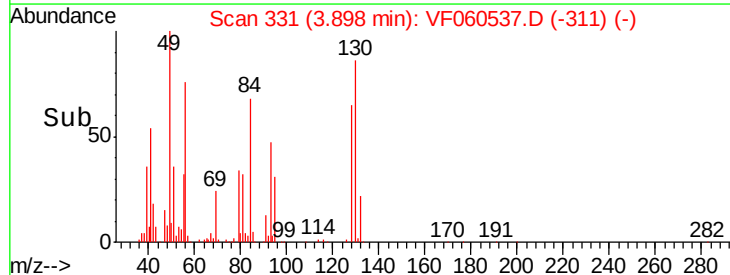
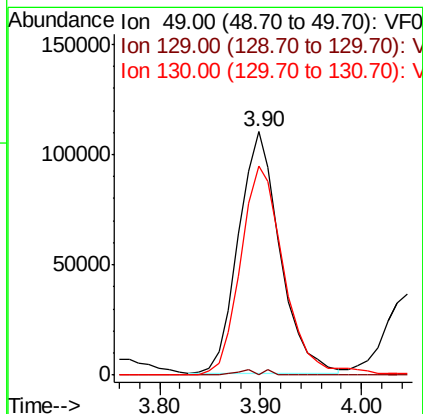
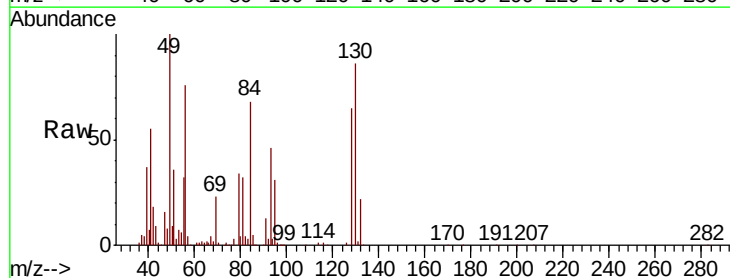
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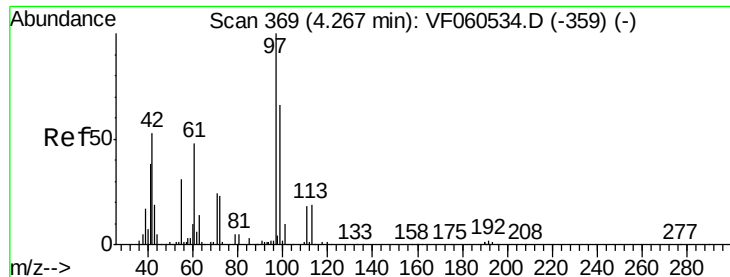


#28

Bromochloromethane
 Concen: 125.865 ug/l
 RT: 3.90 min Scan# 331
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	312449		
129	0.0		0.0	4.8
130	85.8		67.5	101.3





#29

Tetrahydrofuran

Concen: 636.323 ug/l

RT: 4.25 min Scan# 367

Delta R.T. -0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

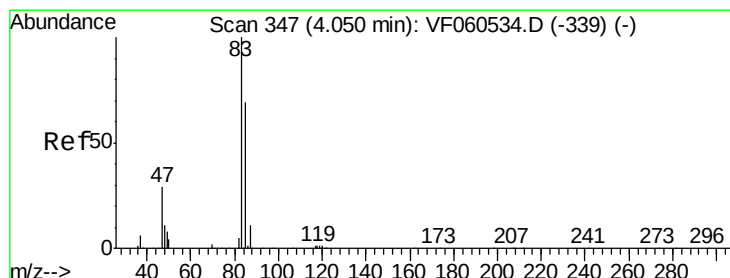
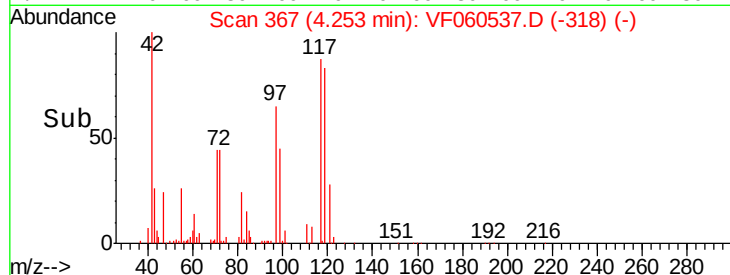
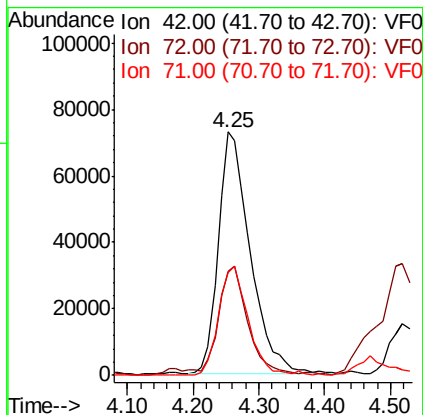
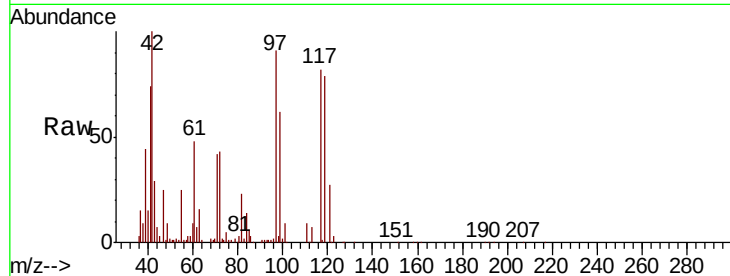
ClientSampleId :

VSTDIC150

Tot Ion:	42	Resp:	244745
Ion Ratio		Lower	Upper
42	100		
72	39.8	32.5	48.7
71	42.5	34.5	51.7

Manual Integrations
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#30

Chloroform

Concen: 120.539 ug/l

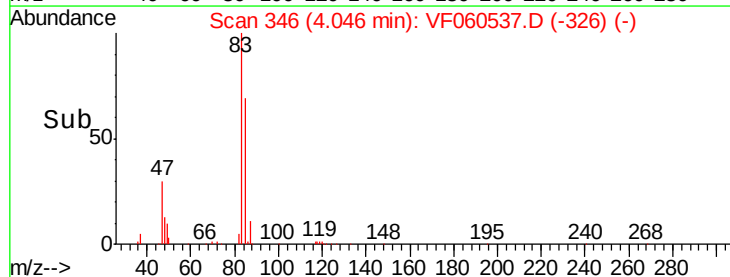
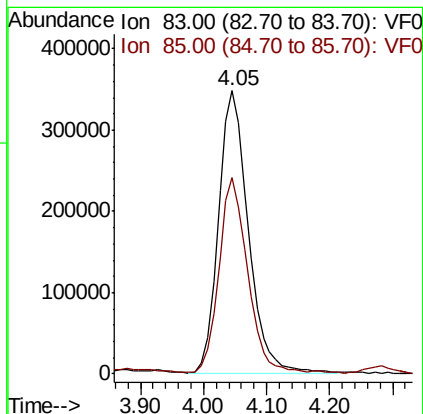
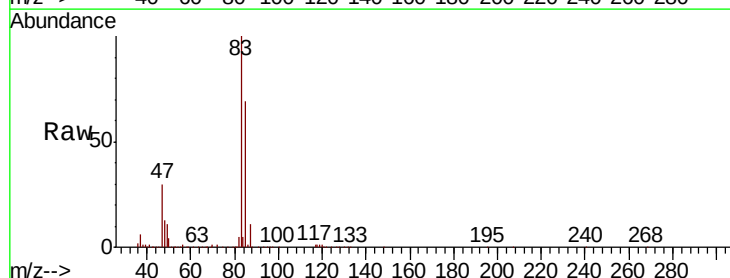
RT: 4.05 min Scan# 346

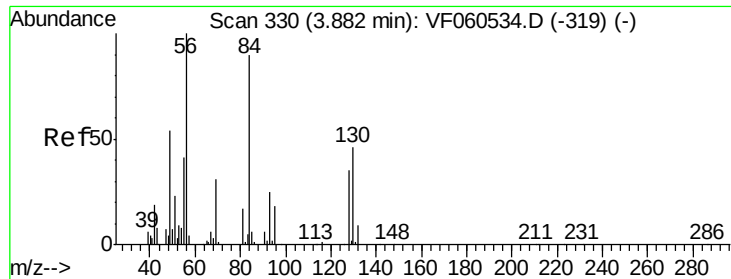
Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Tgt Ion:	83	Resp:	1139494
Ion Ratio		Lower	Upper
83	100		
85	69.4	55.0	82.4





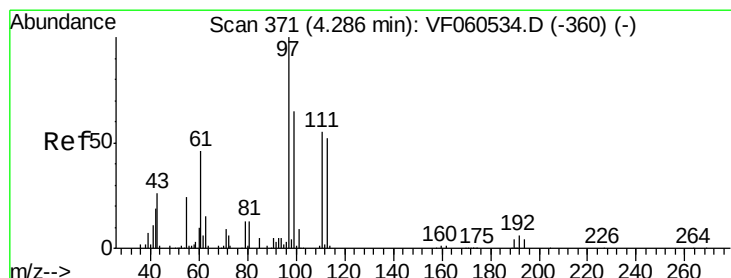
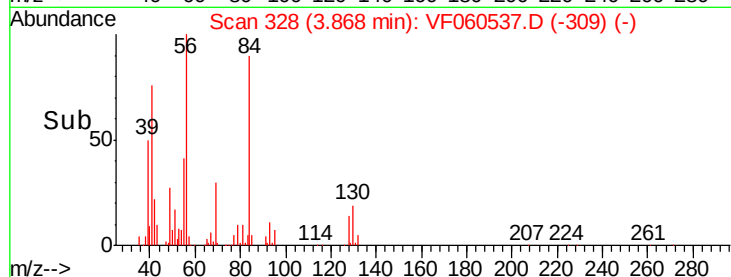
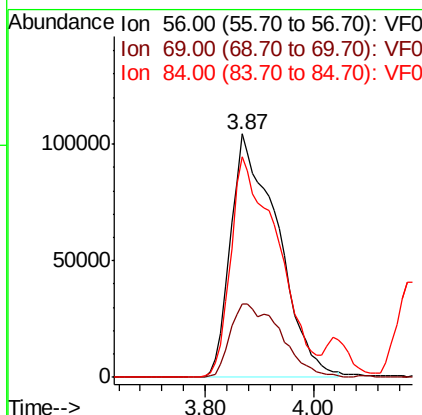
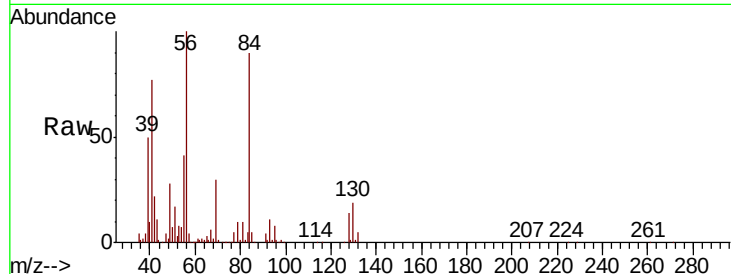
#31
Cyclohexane
Concen: 148.351 ug/l
RT: 3.87 min Scan# 328
Delta R.T. -0.01 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.0	25.0	37.6
84	90.4	72.1	108.1

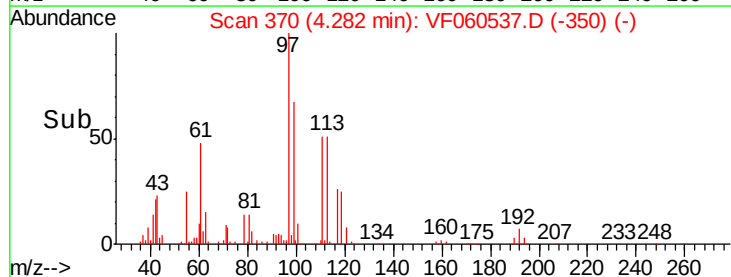
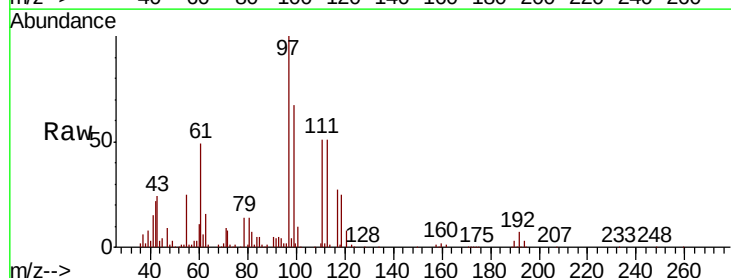
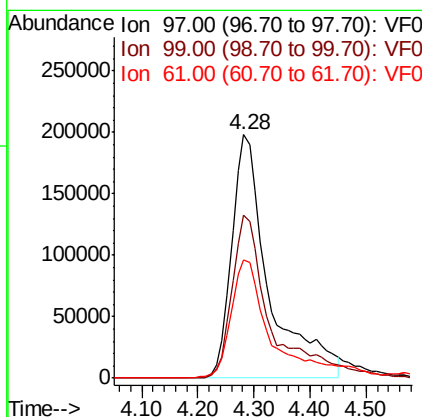
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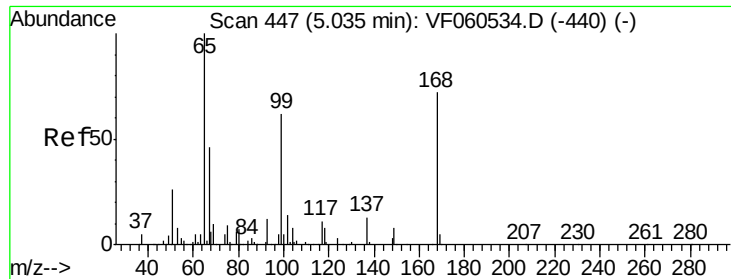
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#32
1,1,1-Trichloroethane
Concen: 107.180 ug/l
RT: 4.28 min Scan# 370
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.9	51.7	77.5
61	48.6	36.8	55.2





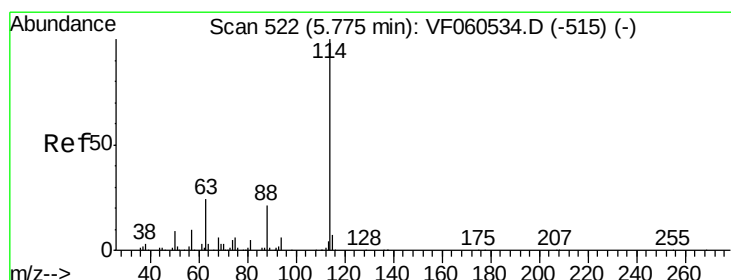
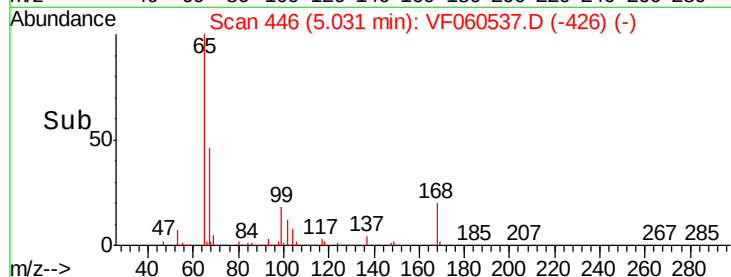
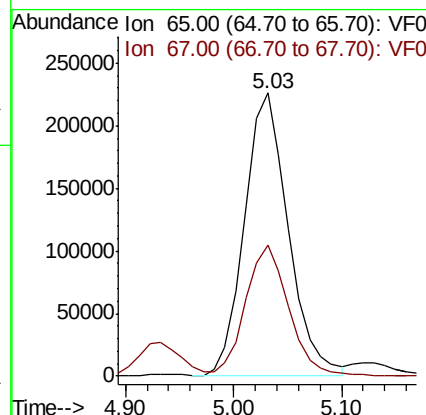
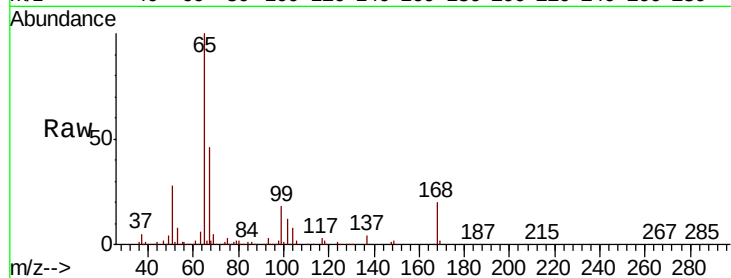
#33
 1,2-Dichloroethane-d4
 Concen: 121.653 ug/l
 RT: 5.03 min Scan# 446
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	46.3	0.0	94.4

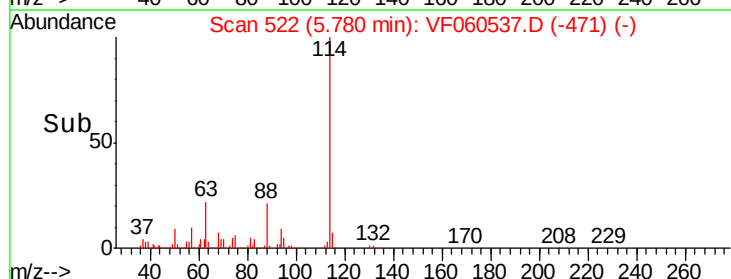
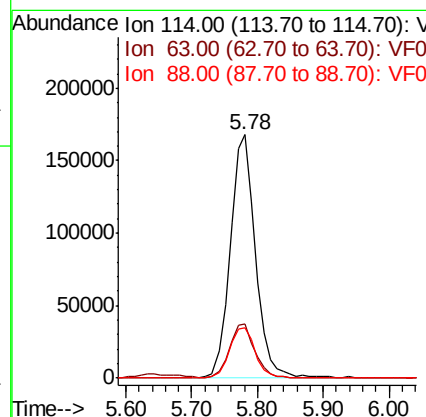
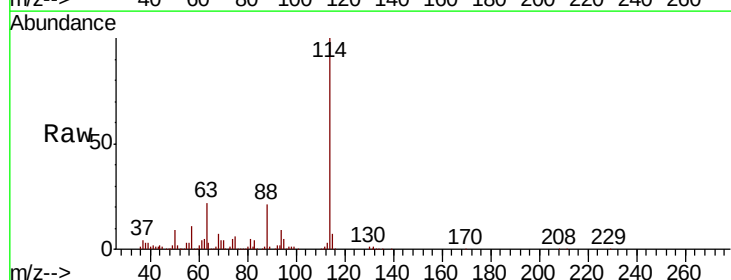
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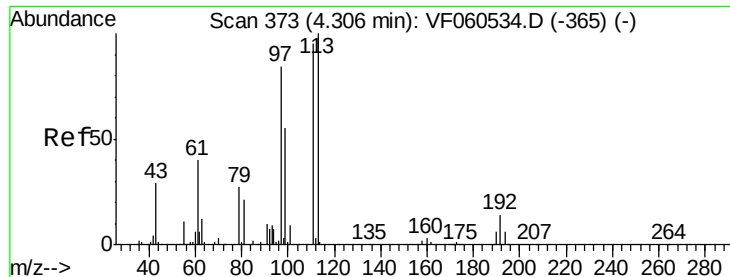
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 522
 Delta R.T. 0.01 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	48.0
88	20.6	0.0	42.0





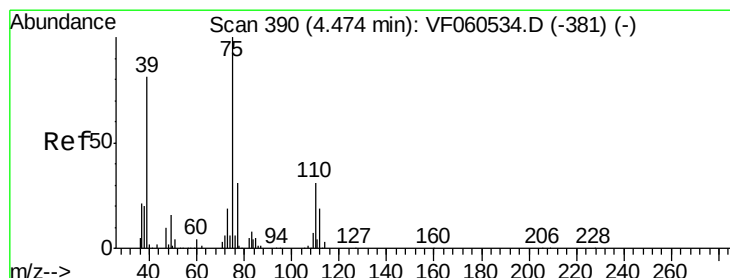
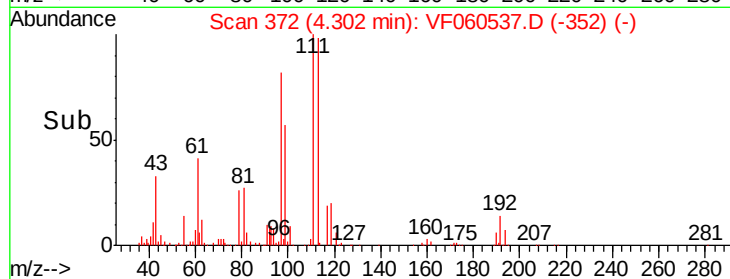
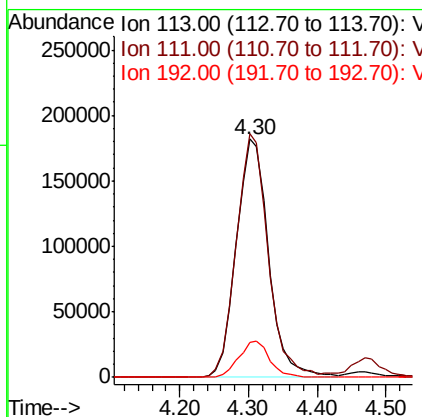
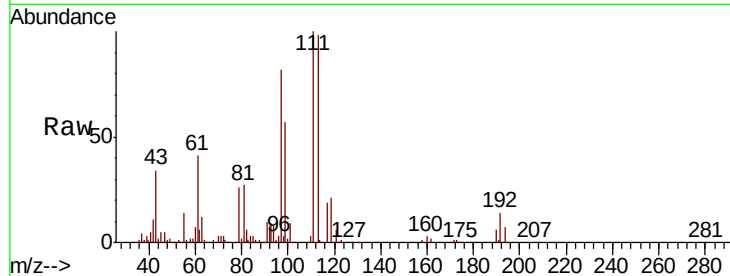
#35
 Dibromofluoromethane
 Concen: 113.902 ug/l
 RT: 4.30 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	75.9	113.9
192	14.5	11.2	16.8

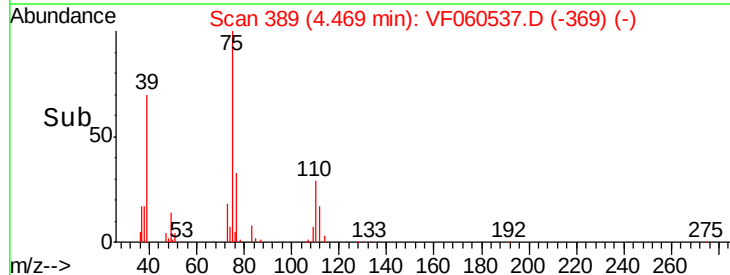
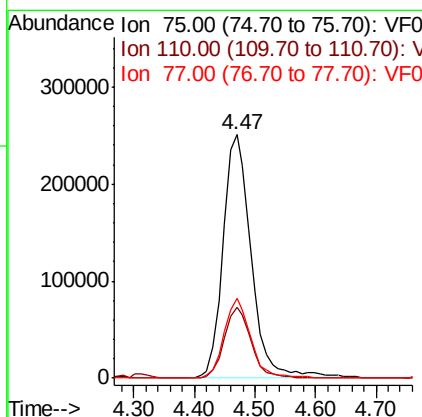
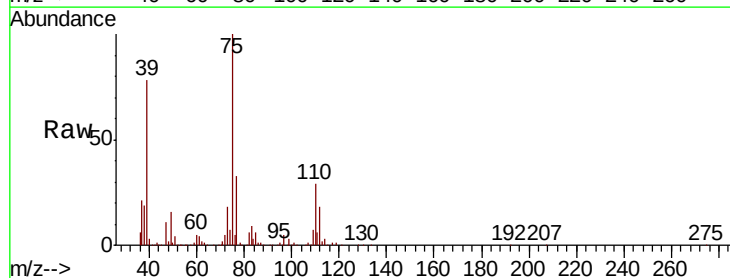
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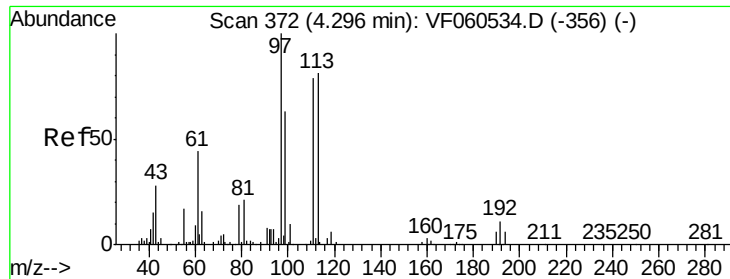
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#36
 1,1-Dichloropropene
 Concen: 123.941 ug/l
 RT: 4.47 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.1	15.3	45.8
77	32.5	24.8	37.2





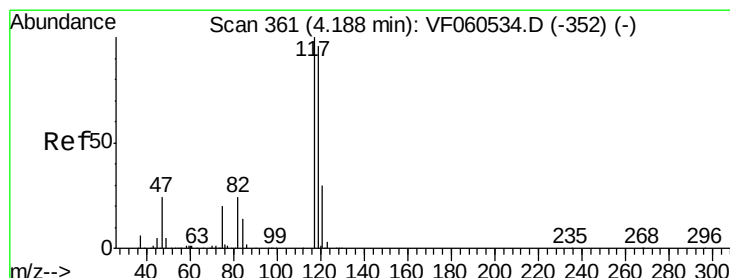
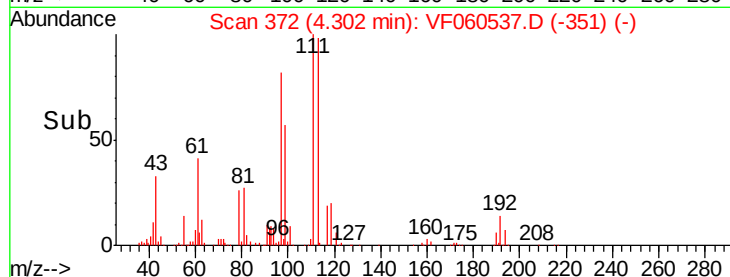
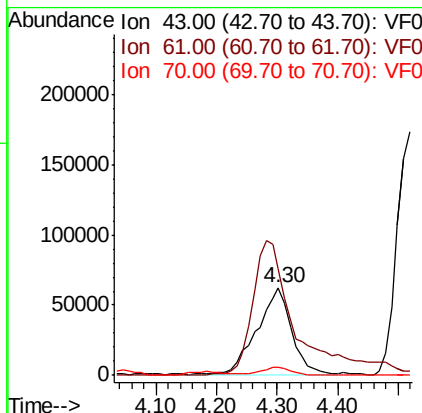
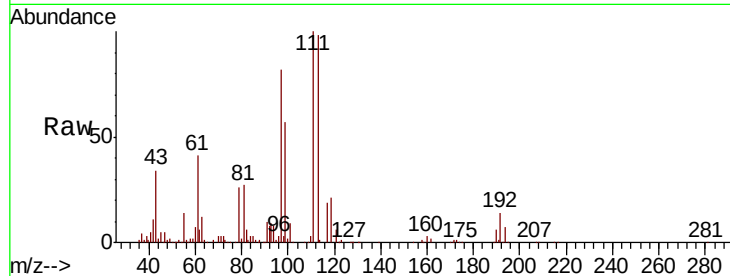
#37
Ethyl Acetate
Concen: 113.740 ug/l
RT: 4.30 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	121.5	123.9	185.9#
70	9.4	7.3	10.9

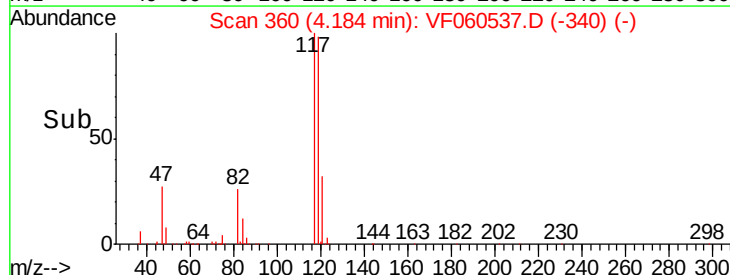
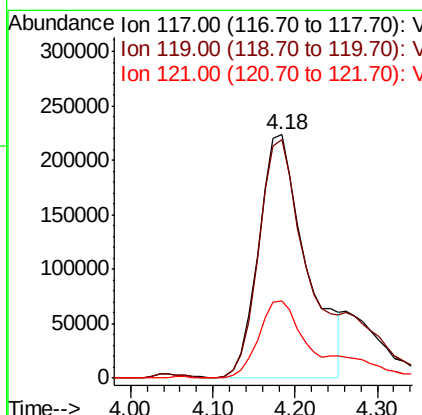
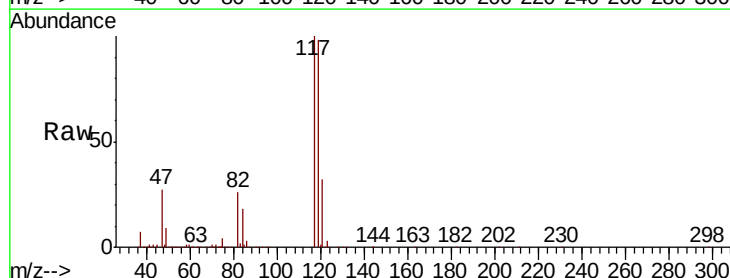
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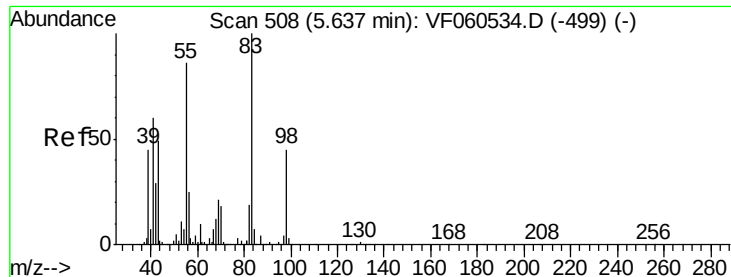
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#38
Carbon Tetrachloride
Concen: 94.699 ug/l m
RT: 4.18 min Scan# 360
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	76.5	114.7
121	32.0	24.3	36.5





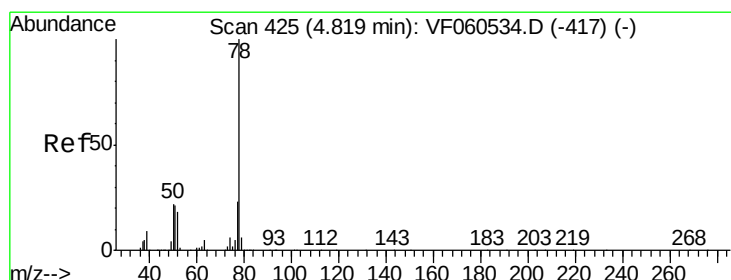
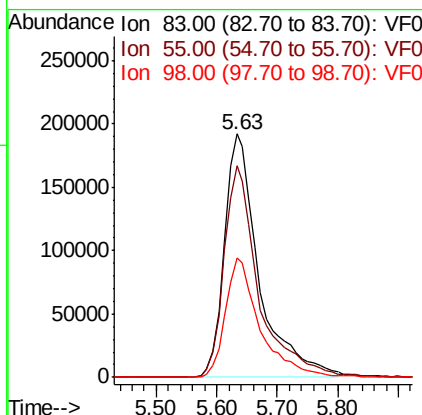
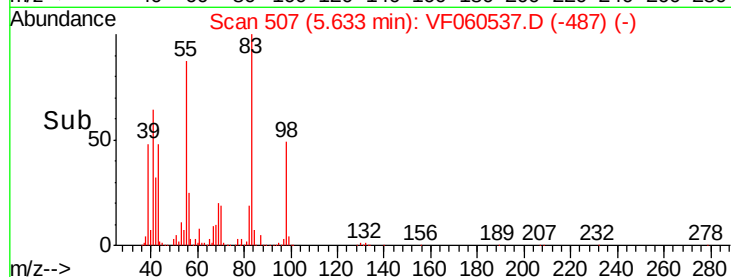
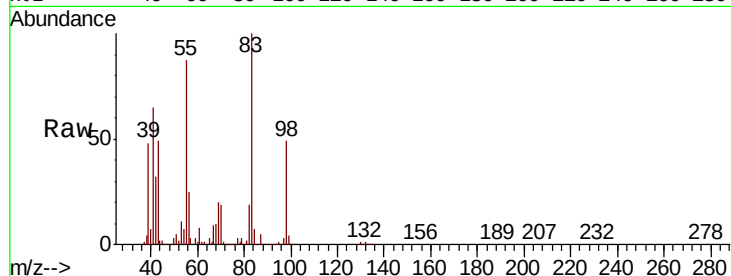
#39
Methylvlcyclohexane
Concen: 139.260 ug/l
RT: 5.63 min Scan# 507
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.0	69.0	103.4
98	48.8	36.1	54.1

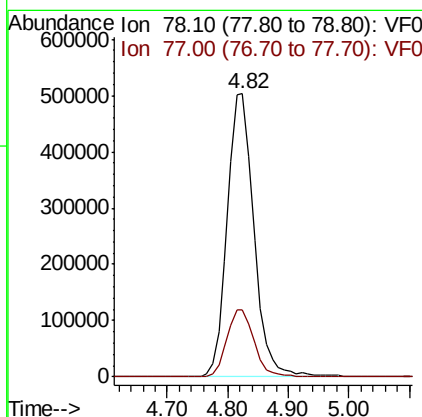
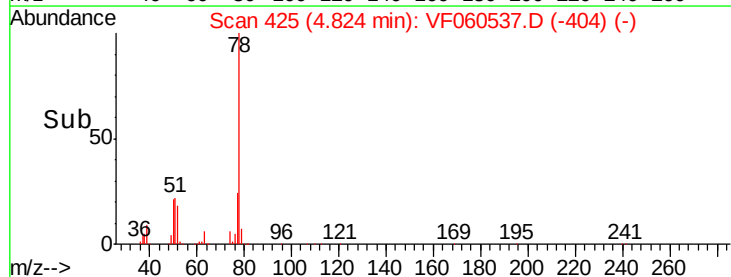
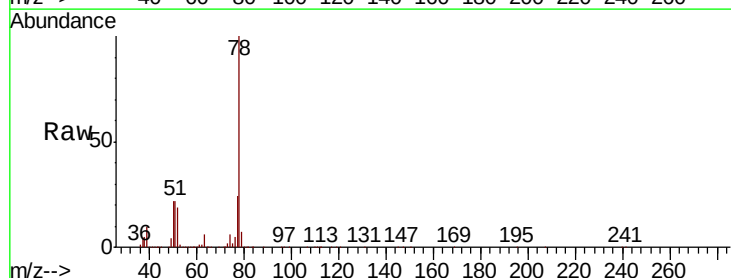
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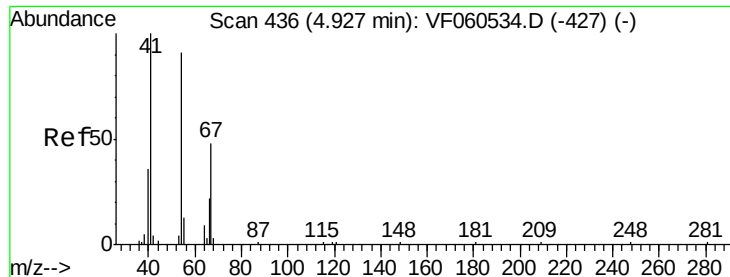
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#40
Benzene
Concen: 139.757 ug/l
RT: 4.82 min Scan# 425
Delta R.T. 0.01 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.5	27.7





#41

Methacrylonitrile

Concen: 132.442 ug/l

RT: 4.93 min Scan# 436

Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

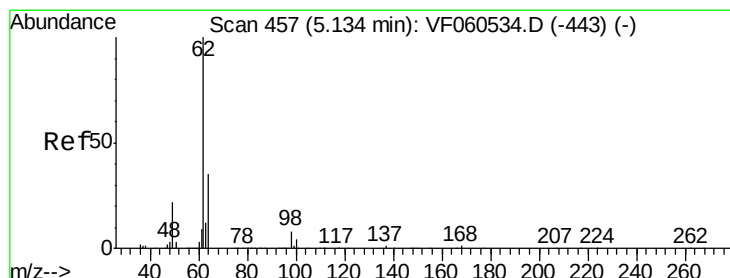
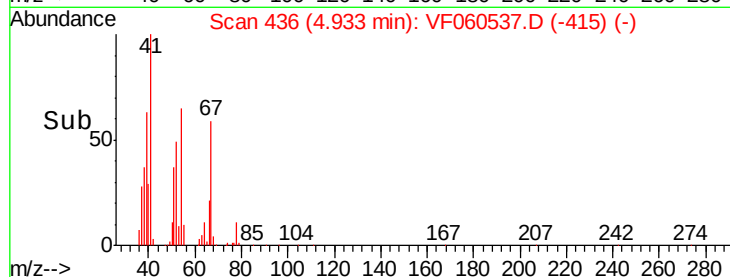
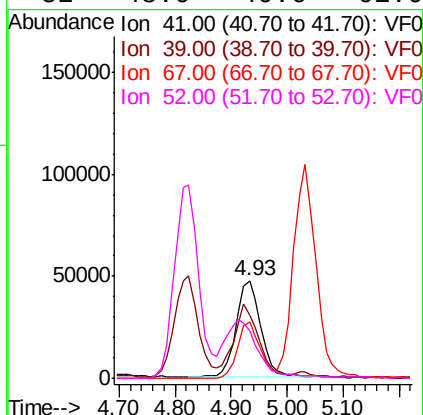
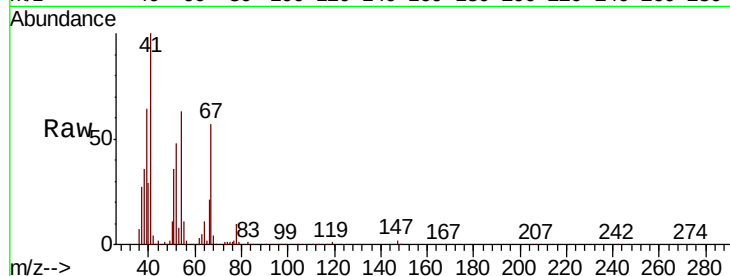
ClientSampleId :

VSTDICC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.7	51.0	76.6
67	57.4	38.0	57.0
52	48.0	40.6	61.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 115.881 ug/l

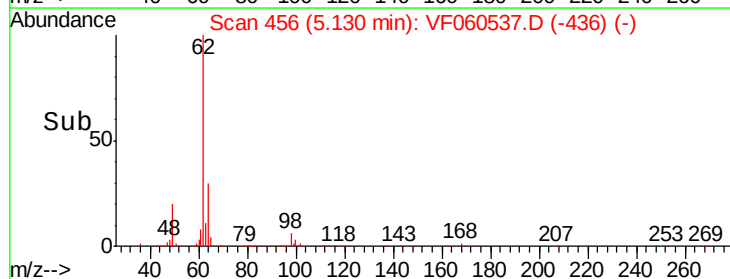
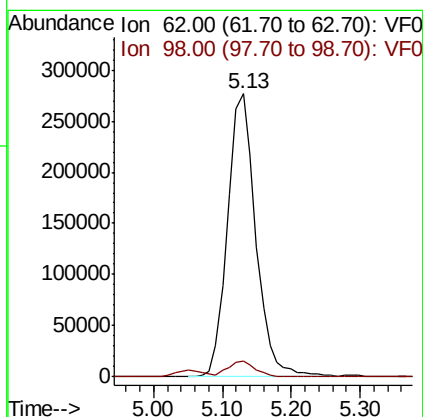
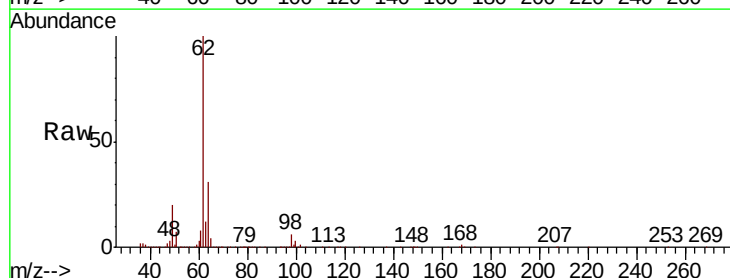
RT: 5.13 min Scan# 456

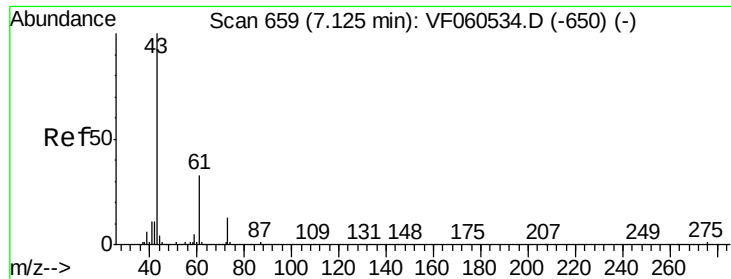
Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.6	0.0	15.8





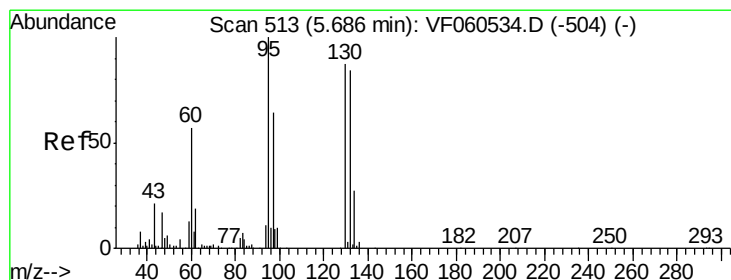
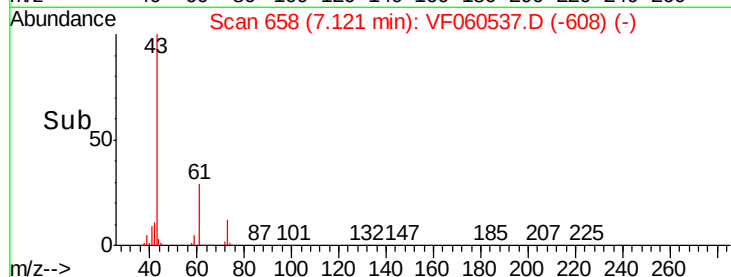
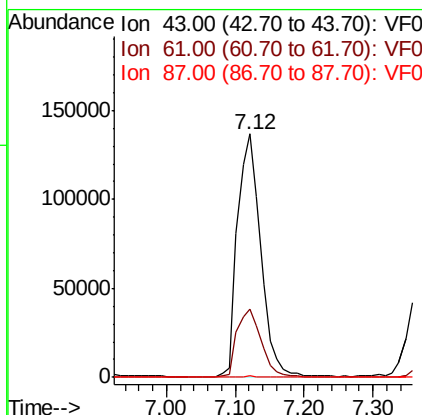
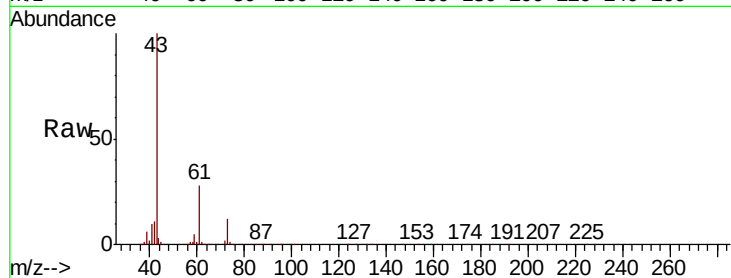
#43
Isopropyl Acetate
Concen: 137.915 ug/l
RT: 7.12 min Scan# 658
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.2	26.6	40.0
87	0.5	0.6	1.0

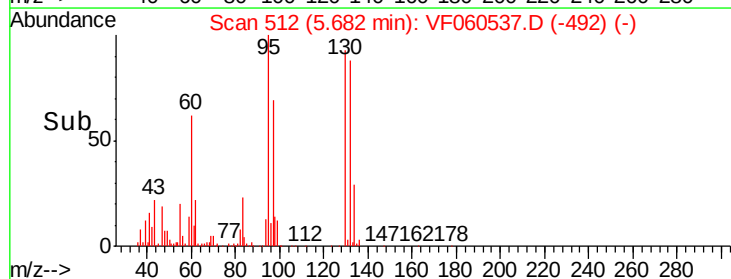
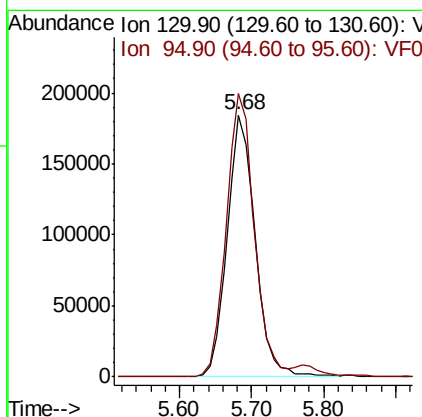
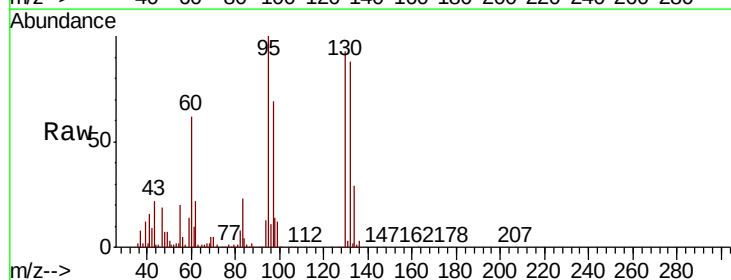
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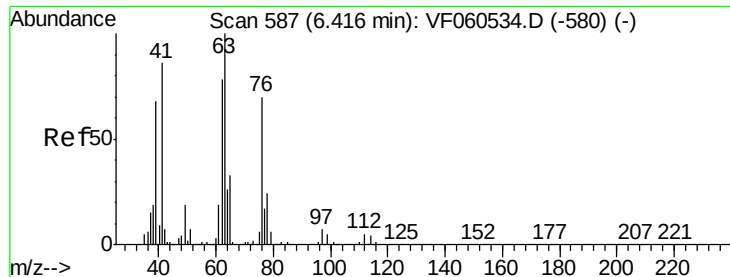
apatel
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#44
Trichloroethene
Concen: 131.271 ug/l
RT: 5.68 min Scan# 512
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.1	0.0	229.4





#45

1,2-Dichloropropane

Concen: 140.633 ug/l

RT: 6.41 min Scan# 586

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 390444

Ion Ratio Lower Upper

63 100

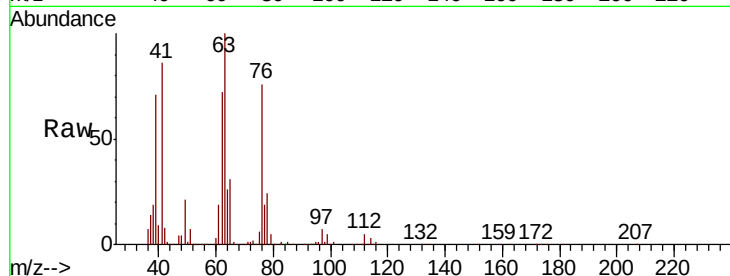
65 31.3 26.5 39.7

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

150000

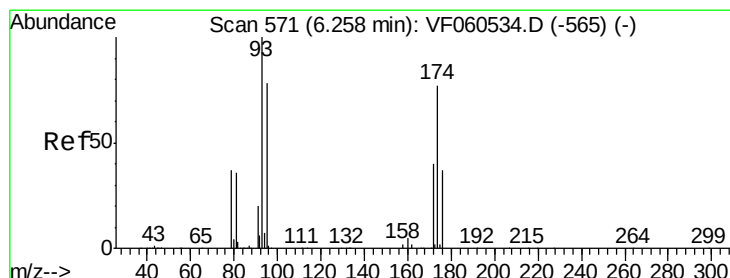
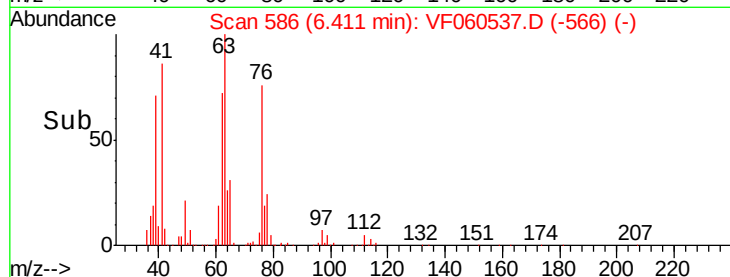
6.41

100000

50000

0

Time-->



#46

Dibromomethane

Concen: 128.988 ug/l

RT: 6.26 min Scan# 571

Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

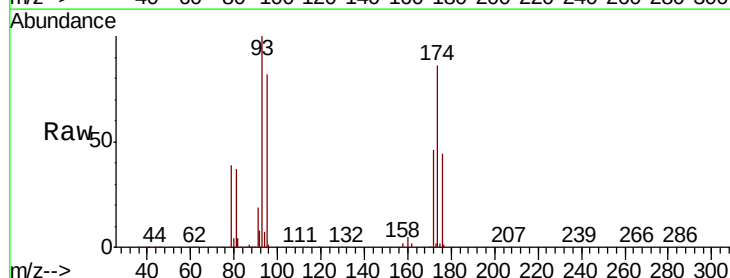
Tgt Ion: 93 Resp: 329100

Ion Ratio Lower Upper

93 100

95 81.7 64.3 96.5

174 86.3 63.3 94.9



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

150000

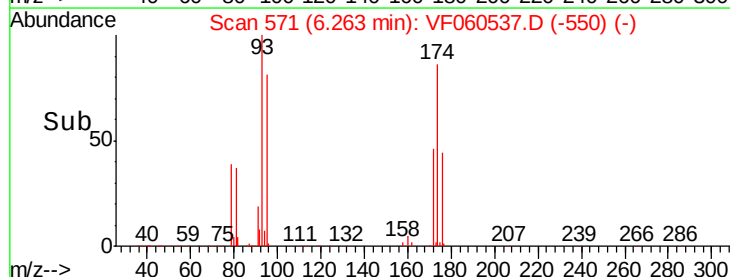
6.26

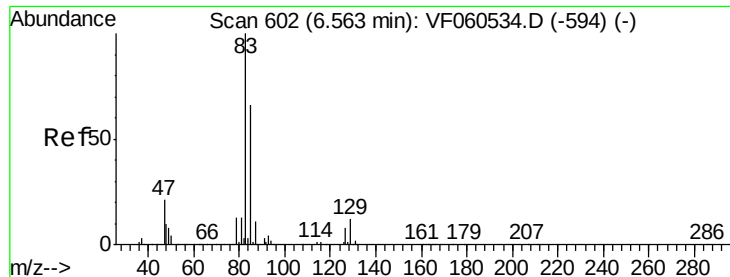
100000

50000

0

Time-->





#47

Bromodichloromethane

Concen: 121.150 ug/l

RT: 6.56 min Scan# 601

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

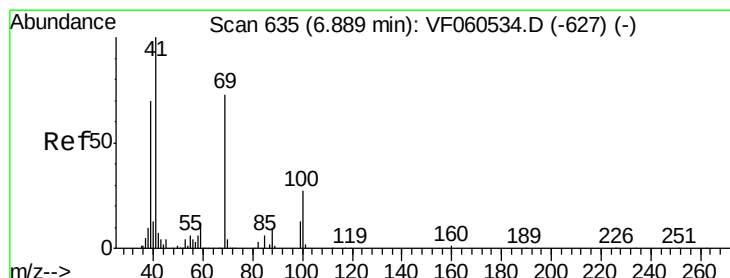
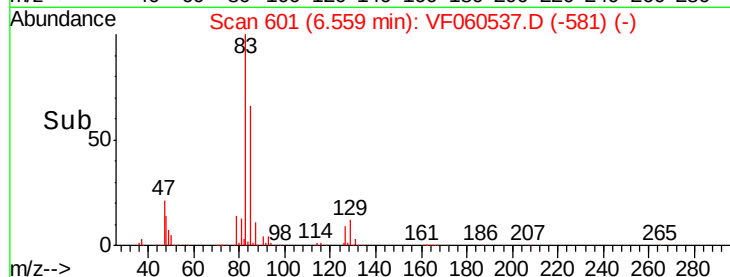
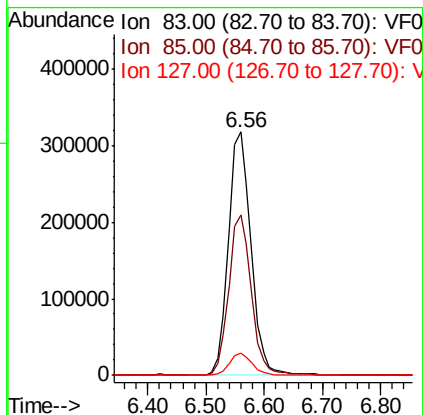
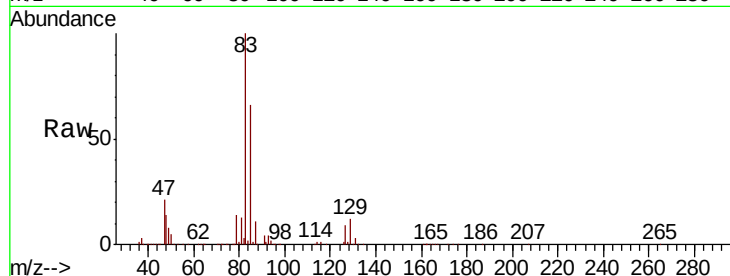
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	853786
Ion	Ratio	Lower	Upper
83	100		
85	65.7	52.7	79.1
127	9.1	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 137.341 ug/l

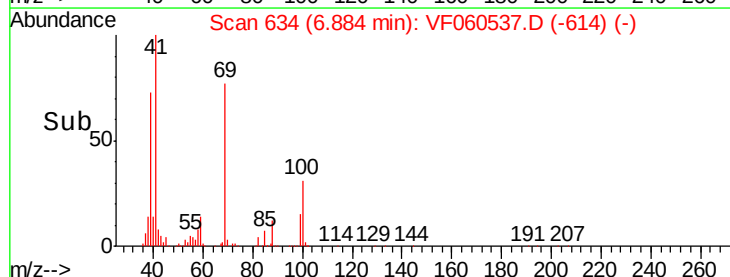
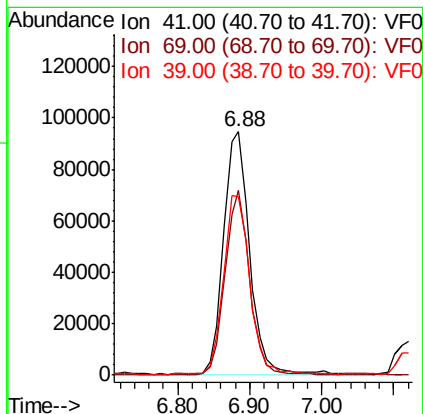
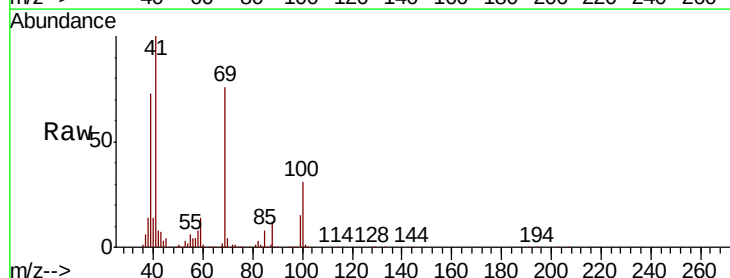
RT: 6.88 min Scan# 634

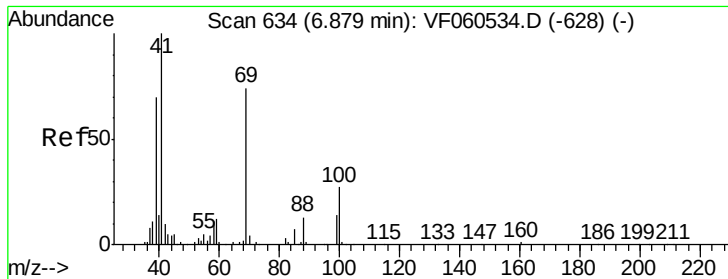
Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Tgt Ion:	41	Resp:	235632
Ion	Ratio	Lower	Upper
41	100		
69	75.8	58.4	87.6
39	73.2	56.4	84.6





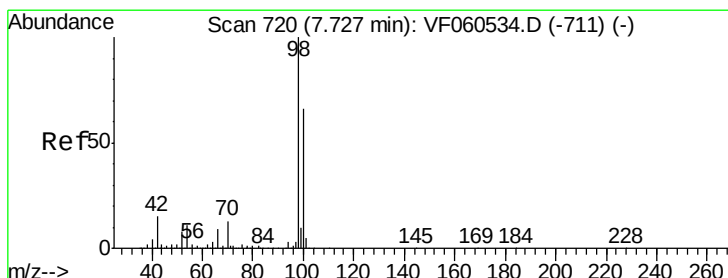
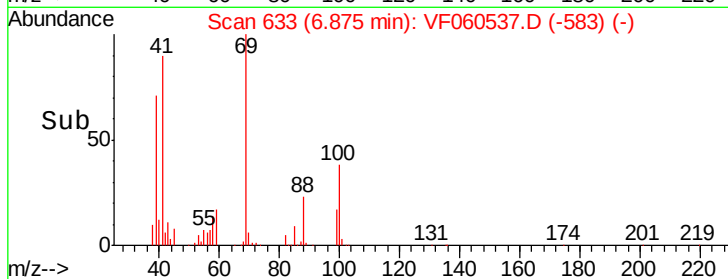
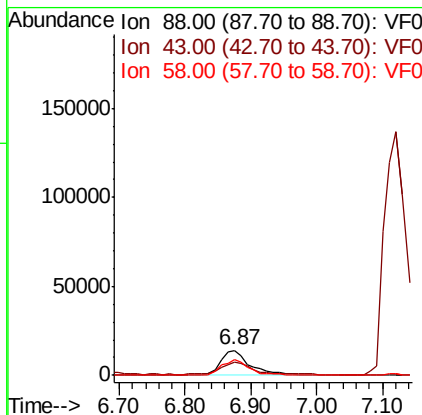
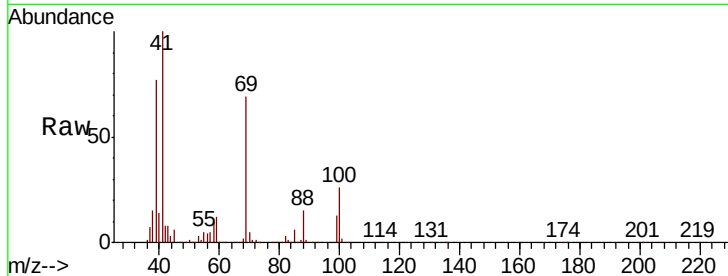
#49
1,4-Dioxane
Concen: 2924.291 ug/l
RT: 6.87 min Scan# 633
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	52.5	49.7	74.5
58	63.8	67.7	101.5

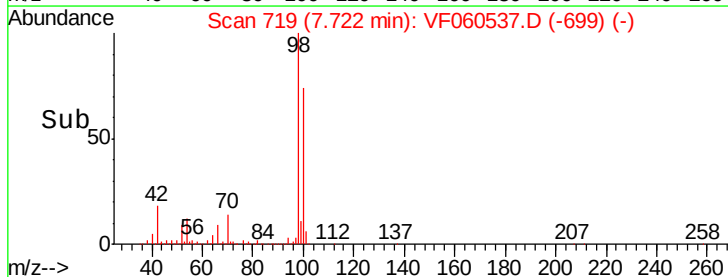
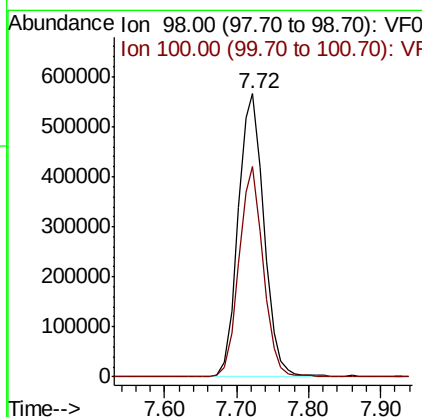
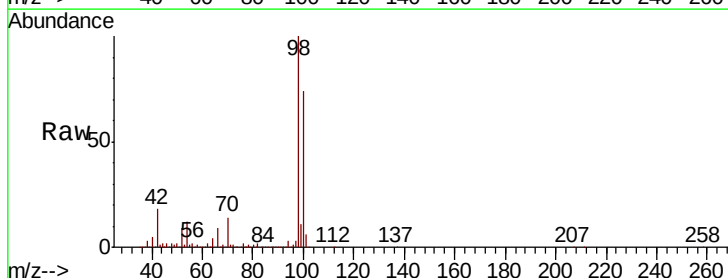
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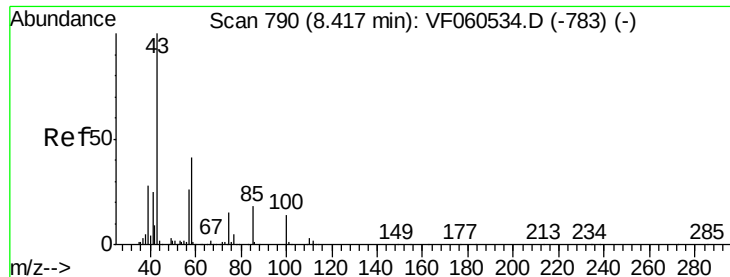
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#50
Toluene-d8
Concen: 130.638 ug/l
RT: 7.72 min Scan# 719
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	74.3	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 591.812 ug/l

RT: 8.41 min Scan# 789

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1043792

Ion Ratio Lower Upper

43 100

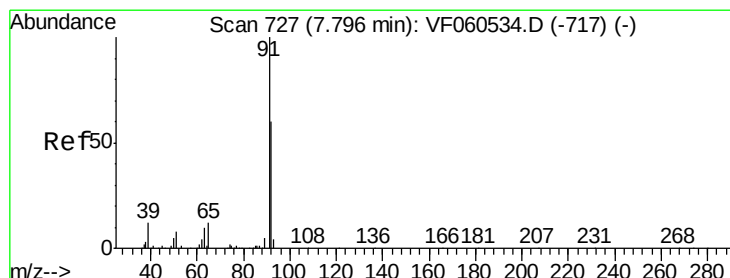
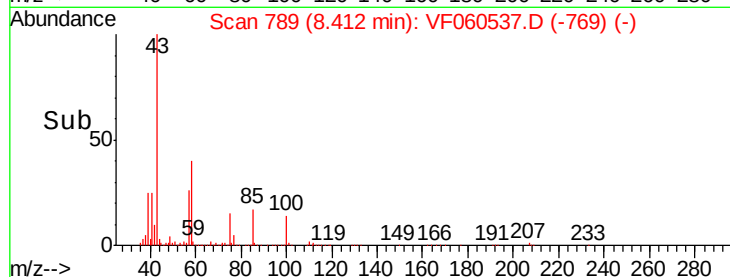
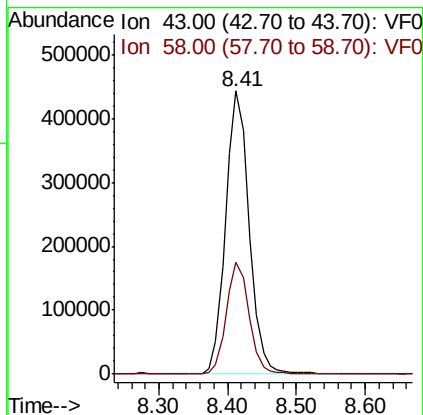
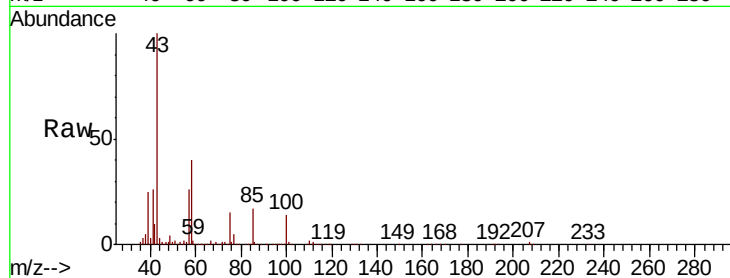
58 39.6 32.6 49.0

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#52

Toluene

Concen: 134.621 ug/l

RT: 7.79 min Scan# 726

Delta R.T. -0.00 min

Lab File: VF060537.D

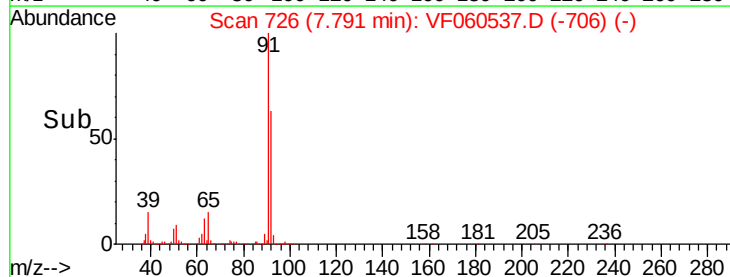
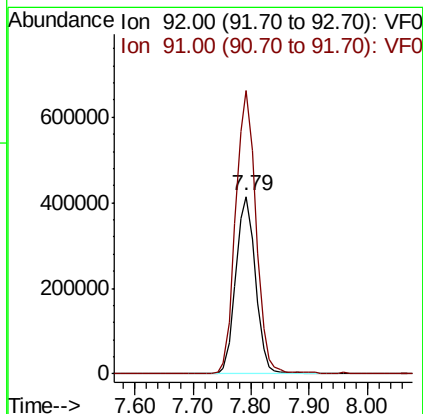
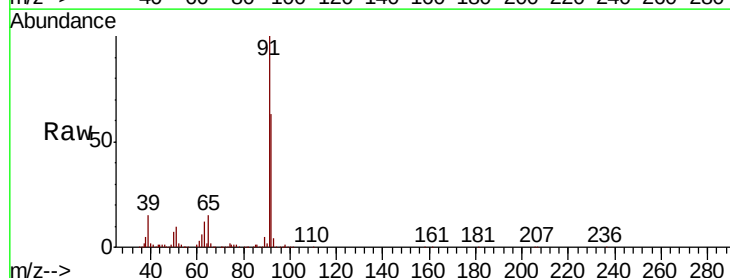
Acq: 29 Oct 2018 19:19

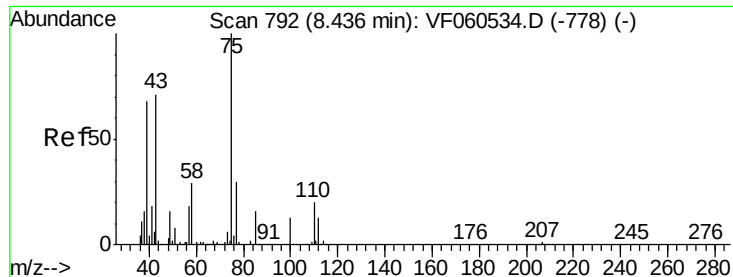
Tgt Ion: 92 Resp: 982065

Ion Ratio Lower Upper

92 100

91 159.8 134.1 201.1





#53

t-1,3-Dichloropropene

Concen: 118.505 ug/l

RT: 8.44 min Scan# 792

Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 624738

Ion Ratio Lower Upper

75 100

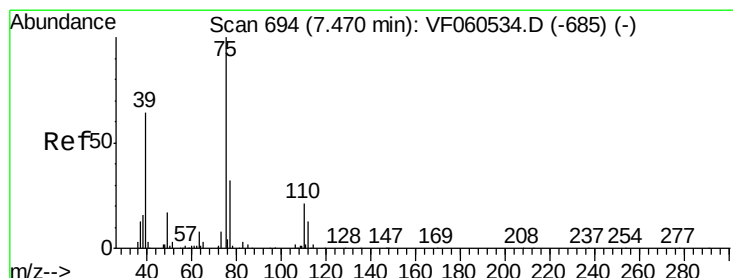
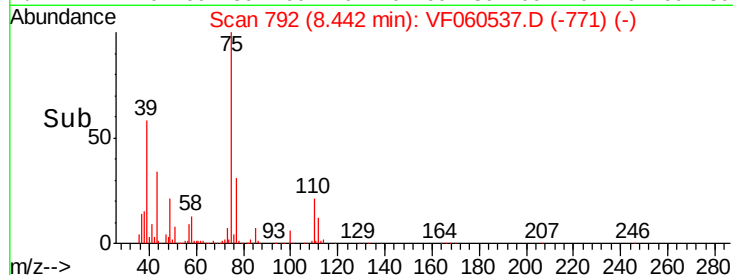
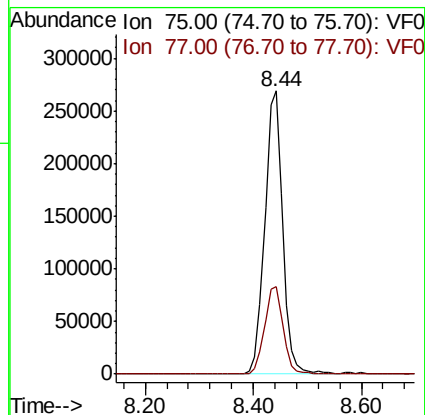
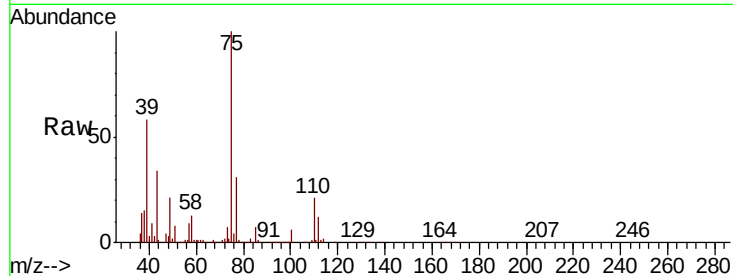
77 30.8 24.2 36.4

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#54

cis-1,3-Dichloropropene

Concen: 134.786 ug/l

RT: 7.47 min Scan# 693

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

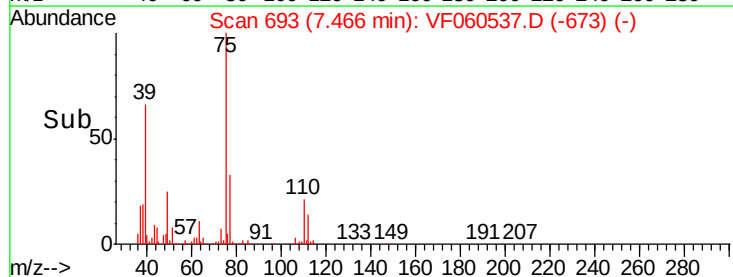
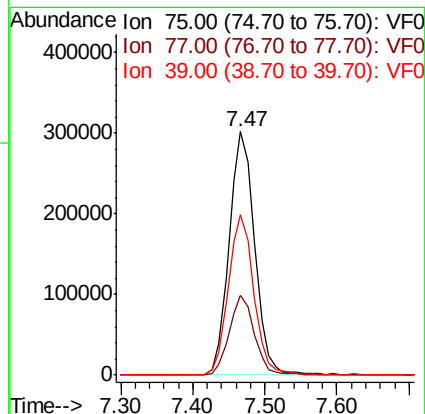
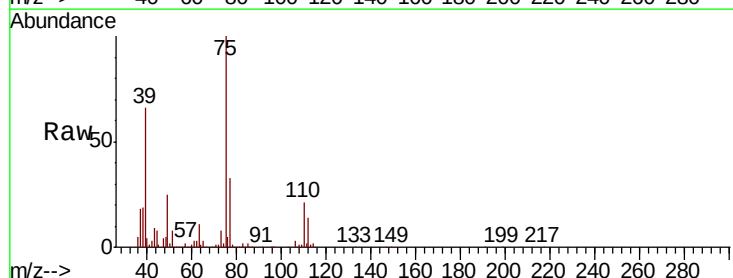
Tgt Ion: 75 Resp: 743959

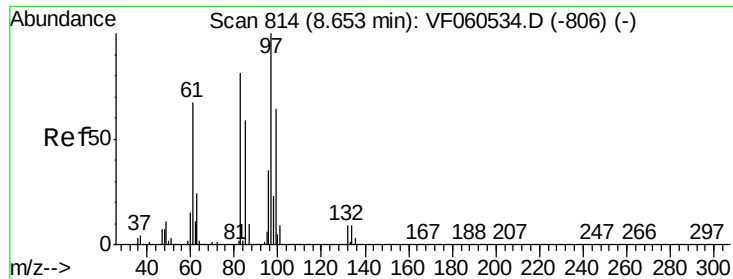
Ion Ratio Lower Upper

75 100

77 32.9 25.7 38.5

39 66.1 51.5 77.3





#55

1,1,2-Trichloroethane

Concen: 135.215 ug/l

RT: 8.65 min Scan# 813

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

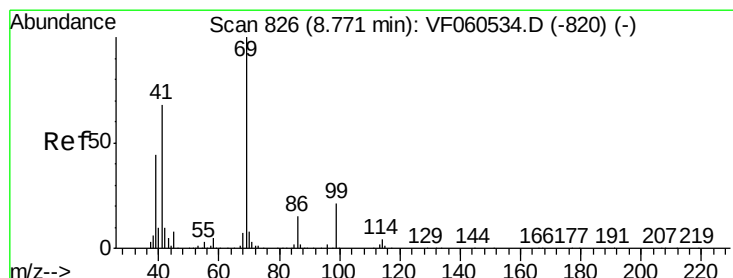
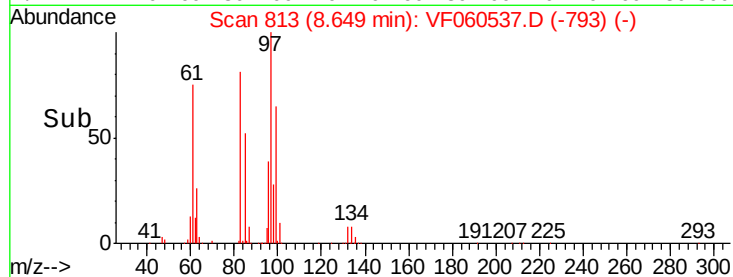
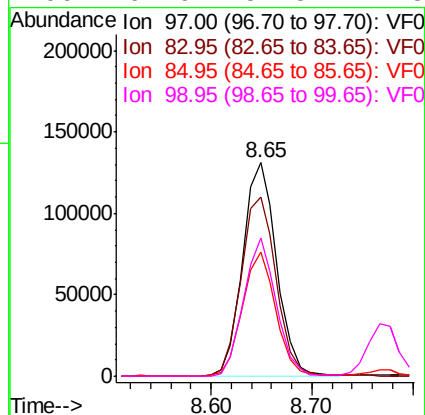
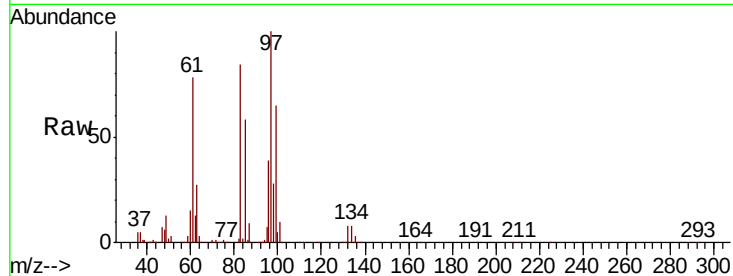
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		306520		
83	84.0	65.3	97.9		
85	58.1	47.6	71.4		
99	64.6	51.5	77.3		

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#56

Ethyl methacrylate

Concen: 134.812 ug/l

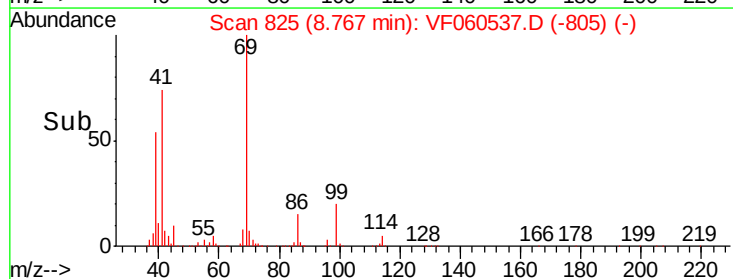
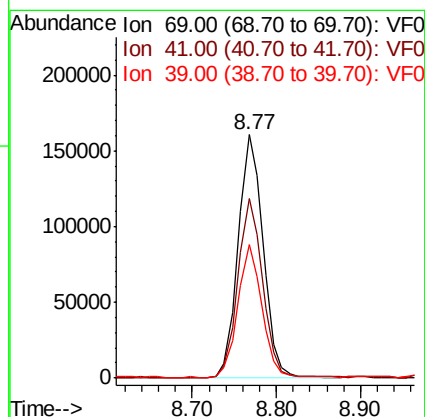
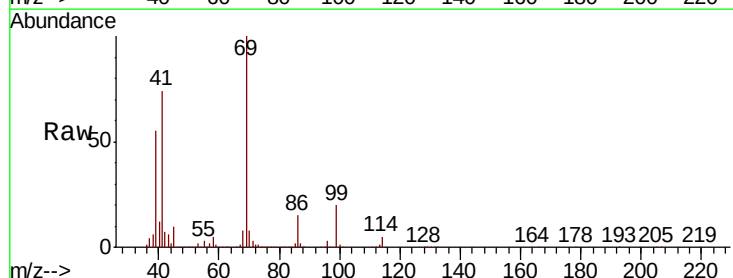
RT: 8.77 min Scan# 825

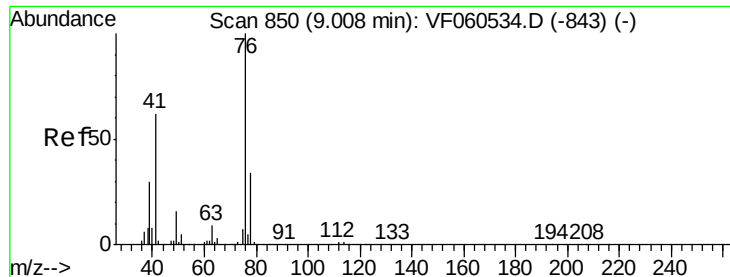
Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		333898		
41	73.9	55.0	82.6		
39	54.7	35.1	52.7#		





#57

1,3-Dichloropropane

Concen: 121.445 ug/l

RT: 9.01 min Scan# 850

Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 487283

Ion Ratio Lower Upper

76 100

78 32.0

27.3

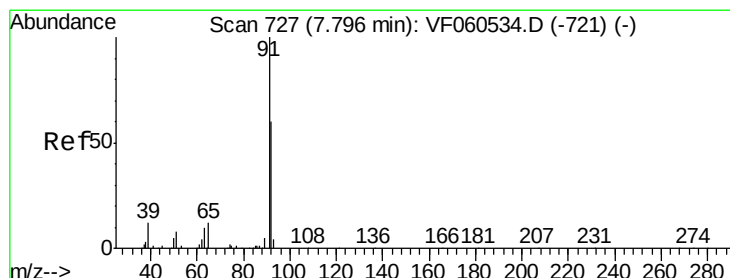
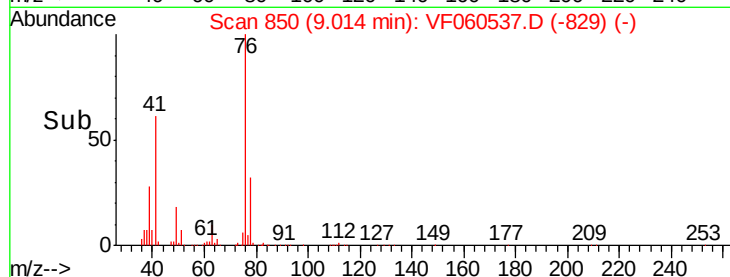
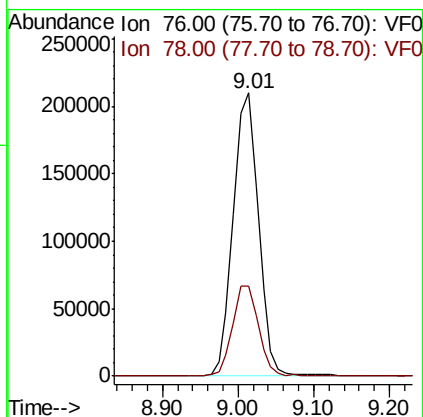
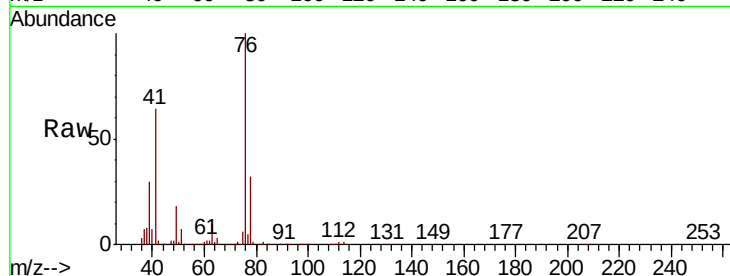
40.9

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#58

2-Chloroethyl Vinyl ether

Concen: 577.838 ug/l

RT: 7.79 min Scan# 726

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Tgt Ion: 63 Resp: 184695

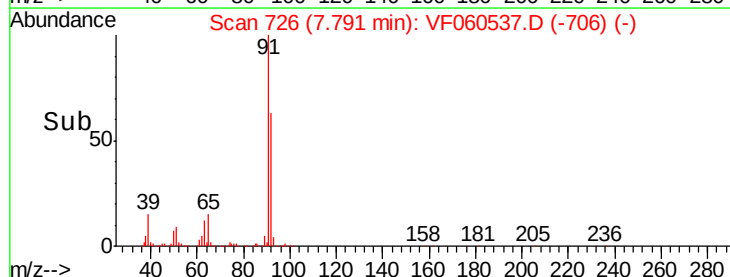
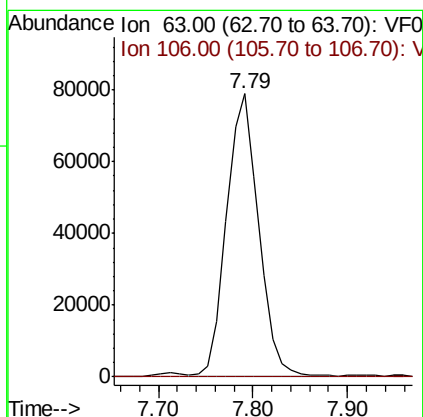
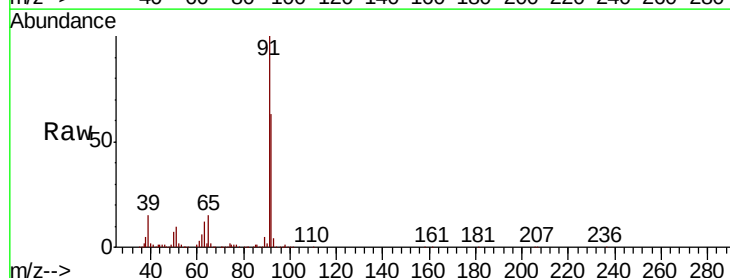
Ion Ratio Lower Upper

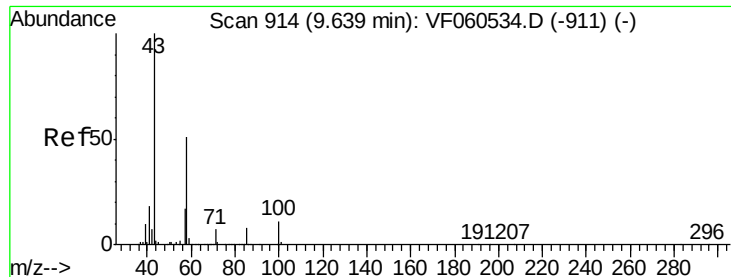
63 100

106 0.0

0.0

0.0





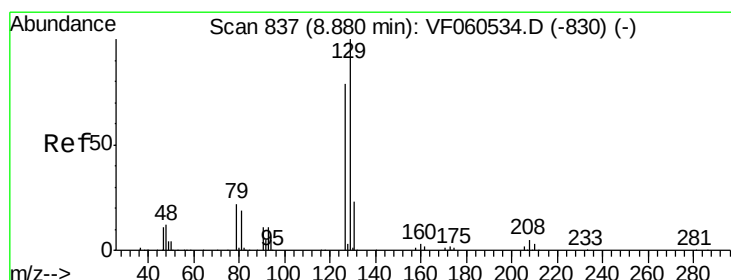
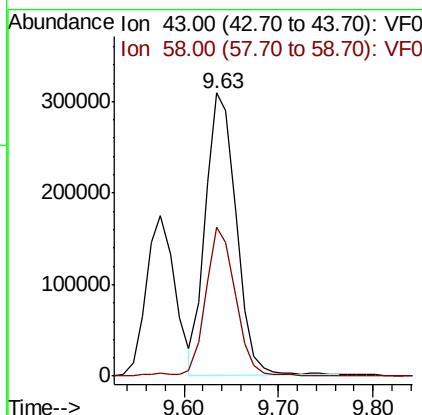
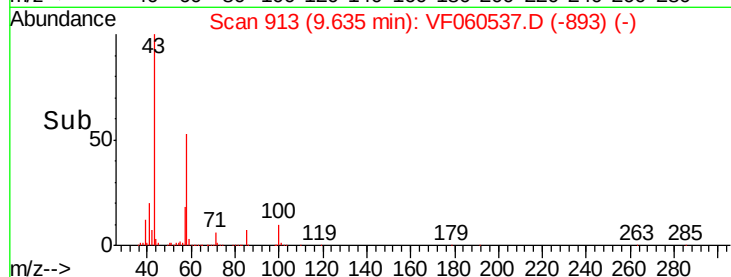
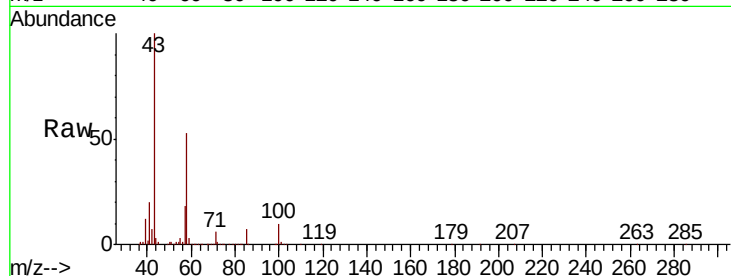
#59
2-Hexanone
Concen: 530.875 ug/l
RT: 9.63 min Scan# 913
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.7	24.1	72.3

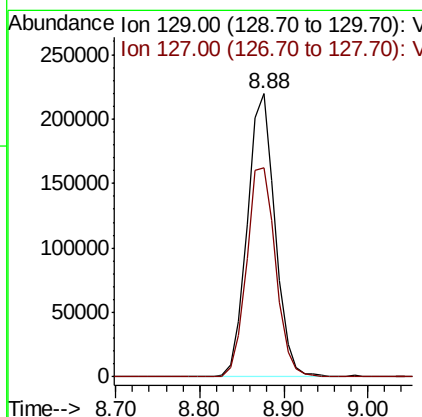
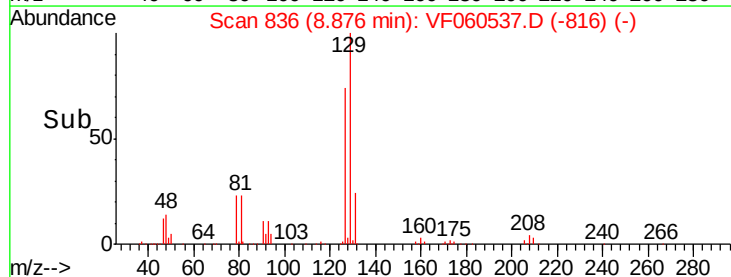
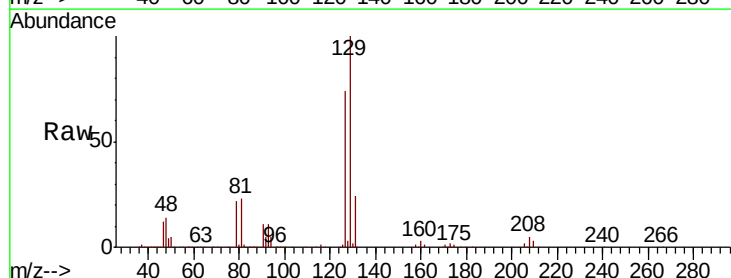
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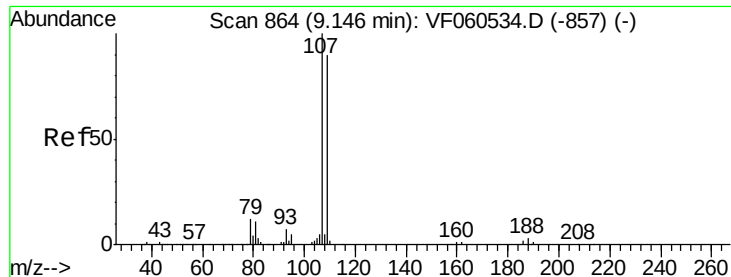
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#60
Dibromochloromethane
Concen: 120.947 ug/l
RT: 8.88 min Scan# 836
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.9	39.6	119.0





#61

1,2-Dibromoethane

Concen: 132.293 ug/l

RT: 9.14 min Scan# 863

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 354598

Ion Ratio Lower Upper

107 100

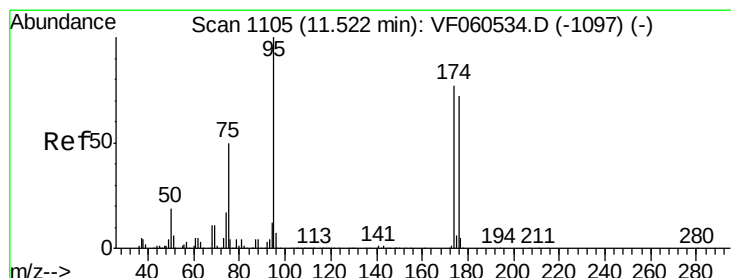
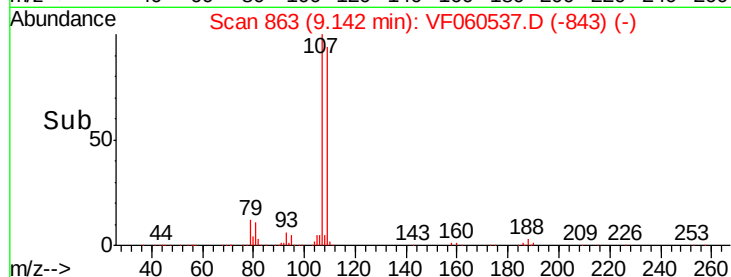
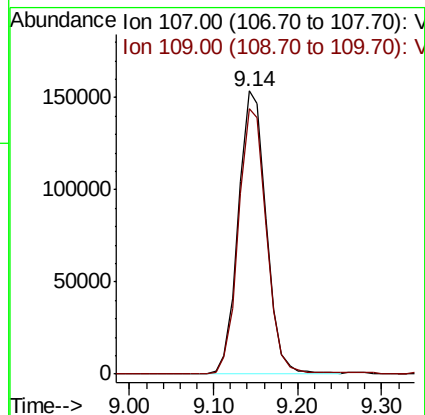
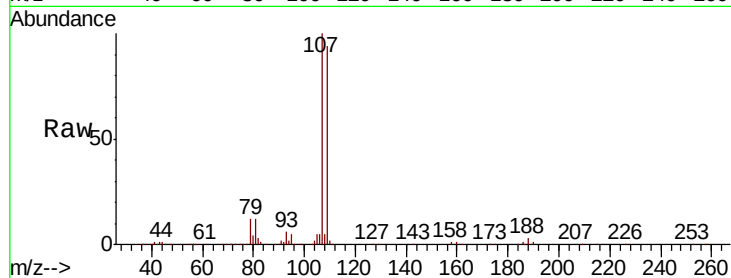
109 93.8 72.2 108.2

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#62

4-Bromofluorobenzene

Concen: 107.083 ug/l

RT: 11.52 min Scan# 1104

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

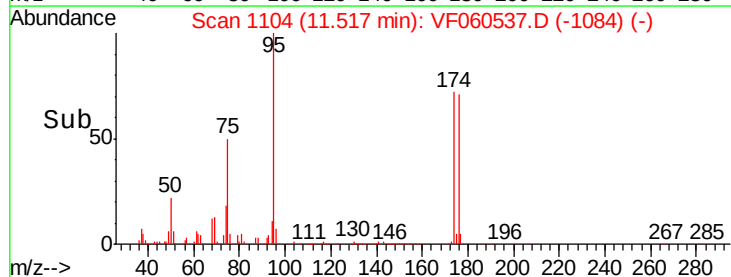
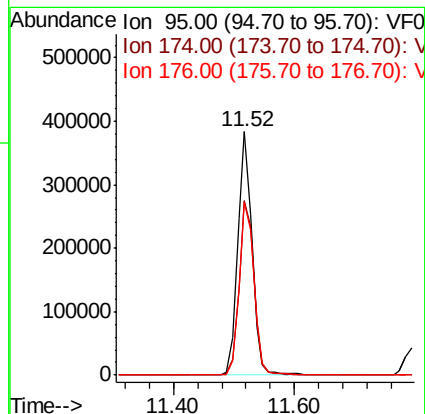
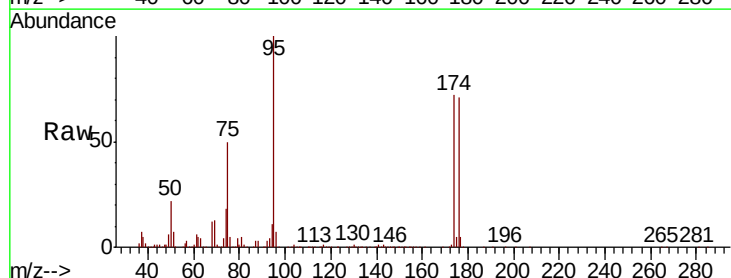
Tgt Ion: 95 Resp: 627657

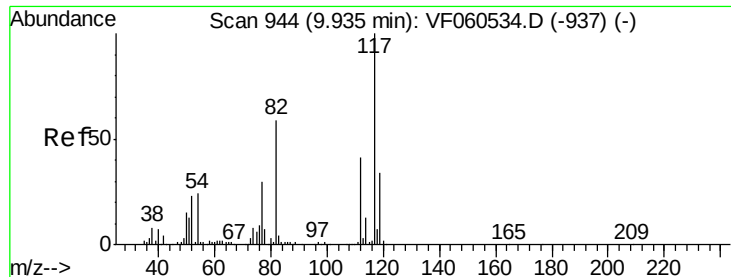
Ion Ratio Lower Upper

95 100

174 71.8 0.0 153.8

176 71.3 0.0 143.6





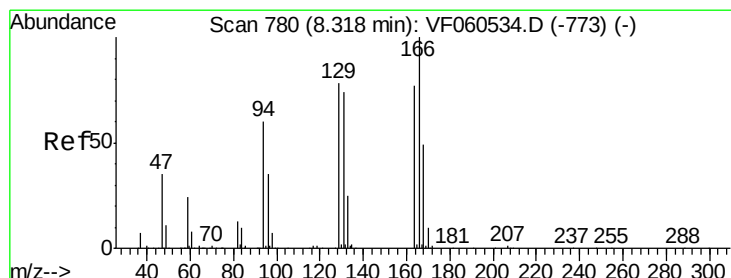
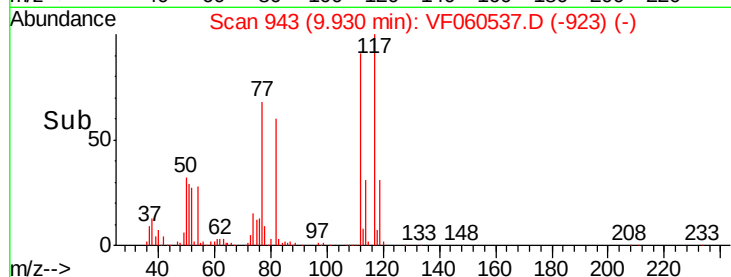
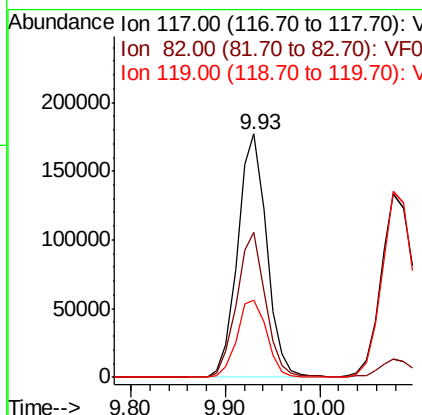
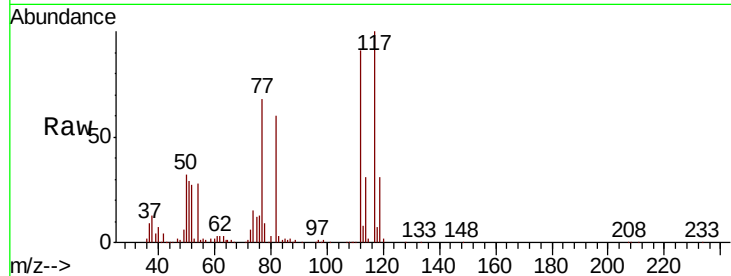
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.6	71.4
119	31.5	27.3	40.9

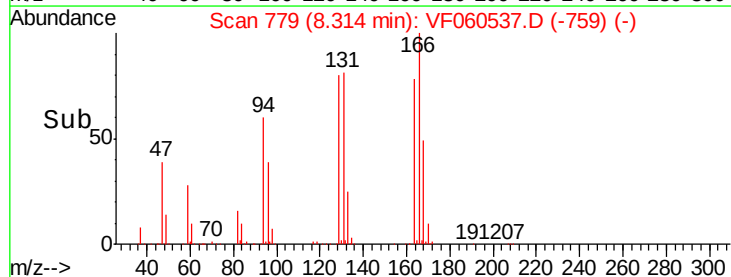
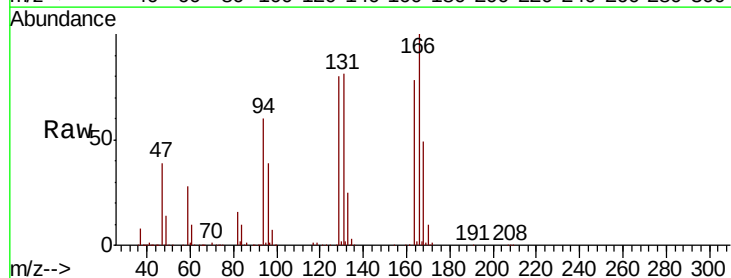
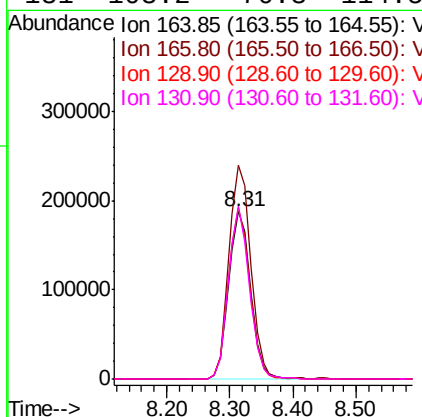
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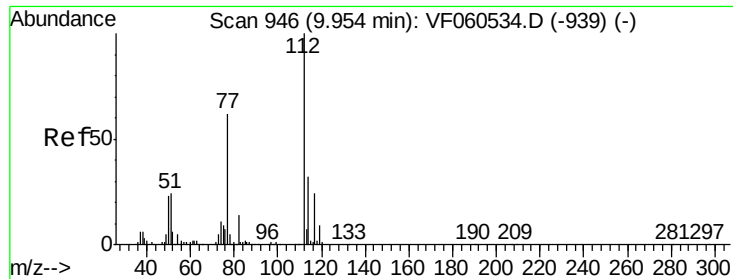
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#64
Tetrachloroethene
Concen: 138.815 ug/l
RT: 8.31 min Scan# 779
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	103.4	155.2
129	102.5	80.7	121.1
131	103.2	76.3	114.5





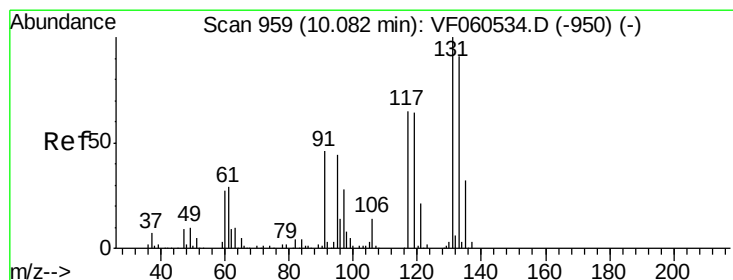
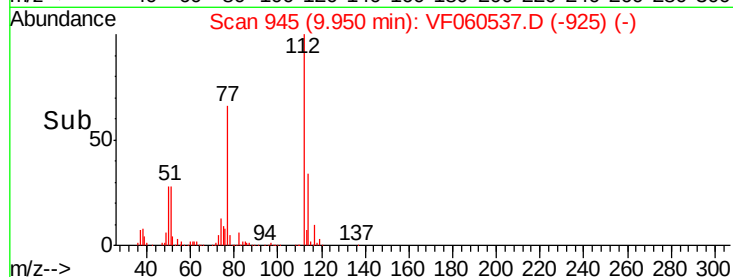
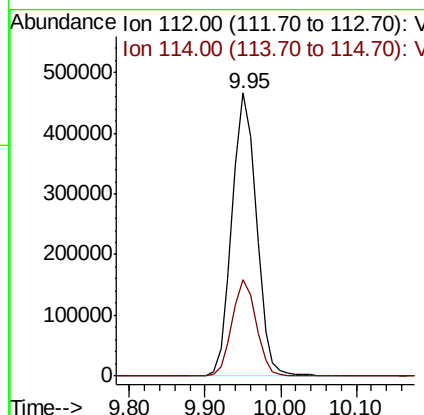
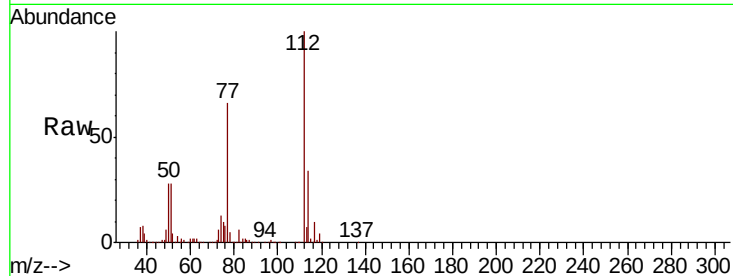
#65
Chlorobenzene
Concen: 130.511 ug/l
RT: 9.95 min Scan# 945
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1044004
Ion Ratio Lower Upper
112 100
114 34.0 25.5 38.3

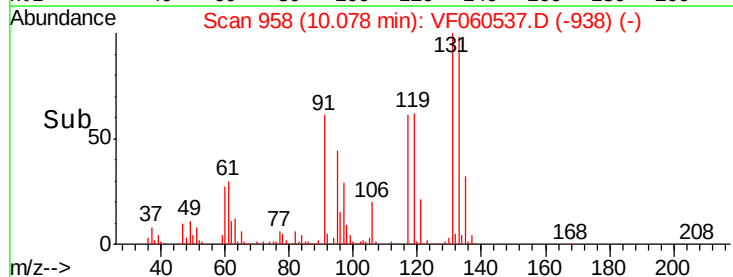
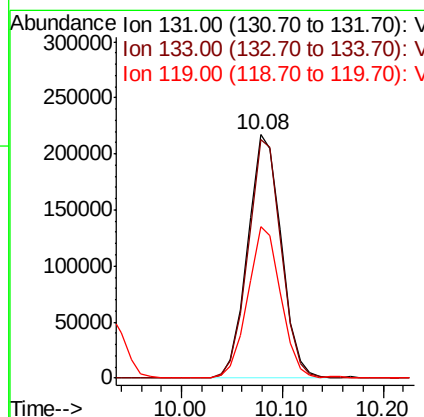
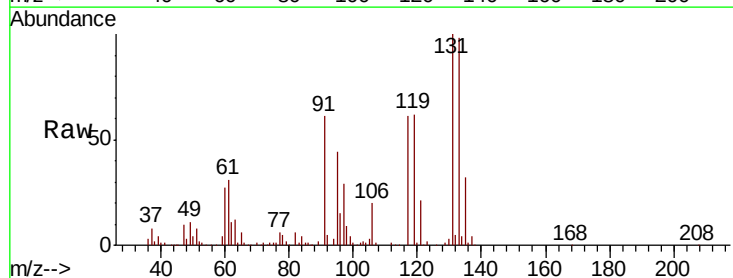
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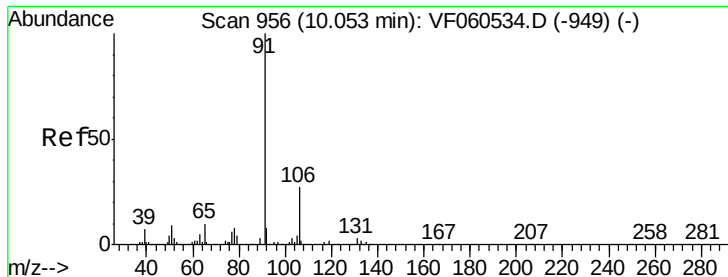
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#66
1,1,1,2-Tetrachloroethane
Concen: 126.152 ug/l
RT: 10.08 min Scan# 958
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion:131 Resp: 504016
Ion Ratio Lower Upper
131 100
133 98.1 45.8 137.3
119 62.2 32.4 97.0





#67

Ethyl Benzene

Concen: 121.873 ug/l

RT: 10.05 min Scan# 955

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1961085

Ion Ratio Lower Upper

91 100

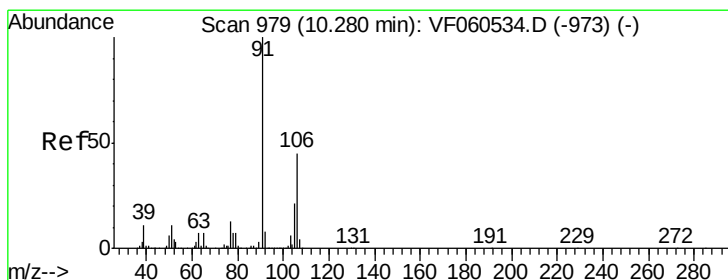
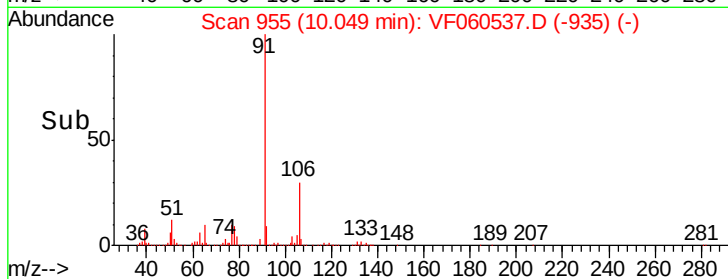
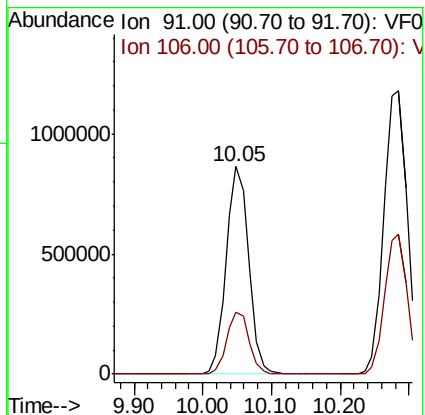
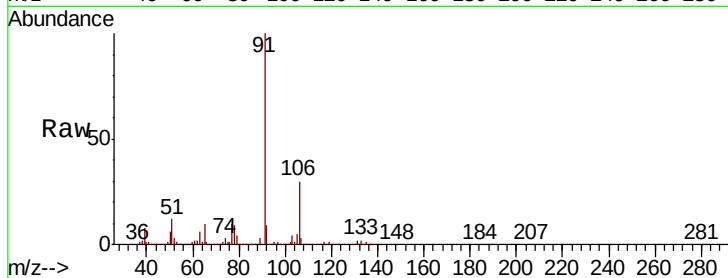
106 29.9 21.9 32.9

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#68

m/p-Xylenes

Concen: 260.261 ug/l

RT: 10.29 min Scan# 979

Delta R.T. 0.01 min

Lab File: VF060537.D

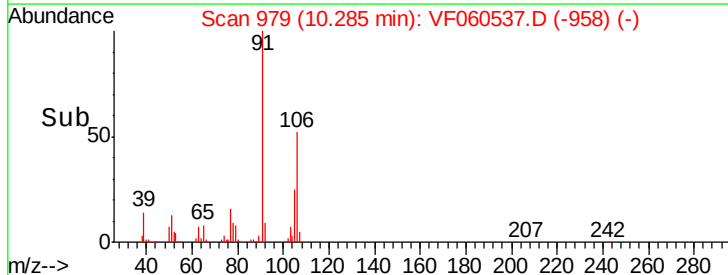
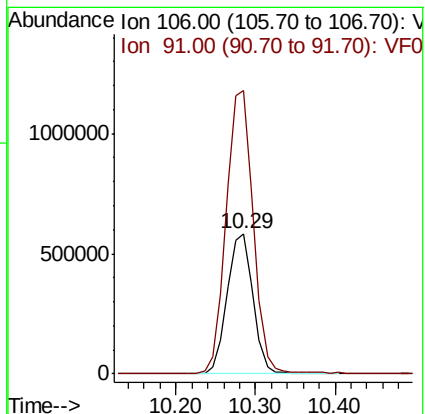
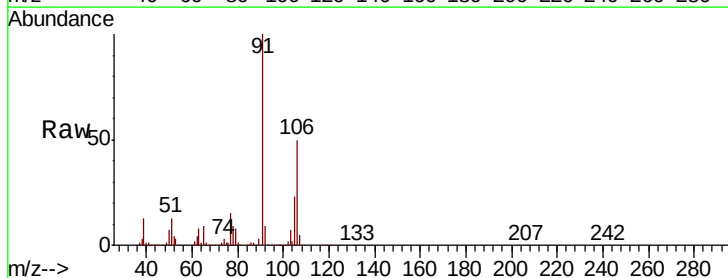
Acq: 29 Oct 2018 19:19

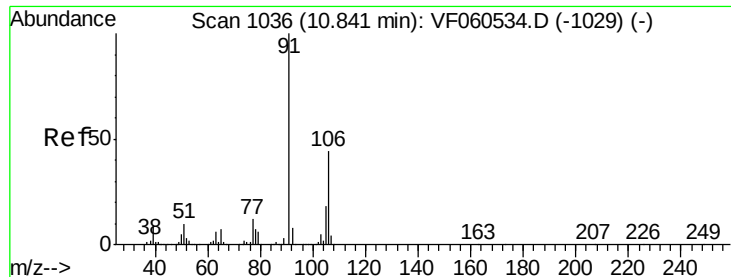
Tgt Ion:106 Resp: 1325864

Ion Ratio Lower Upper

106 100

91 202.0 176.2 264.2





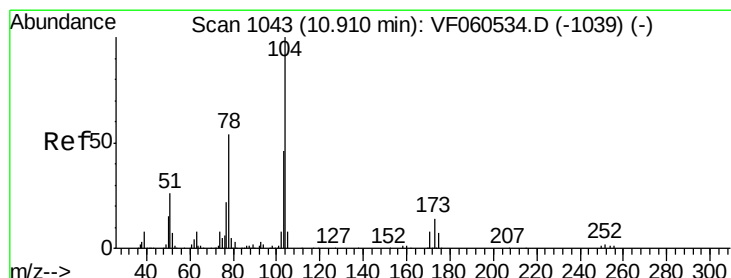
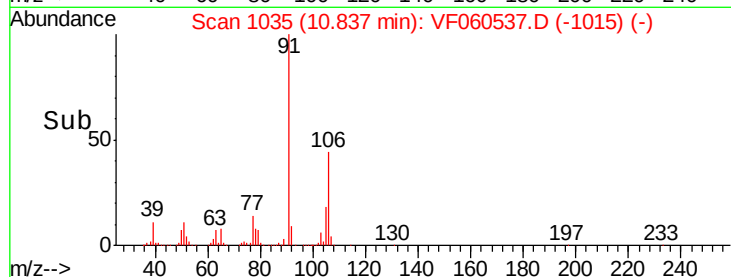
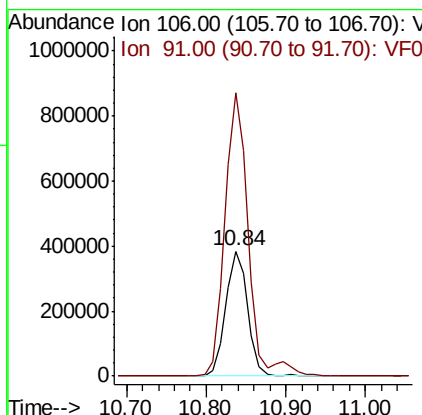
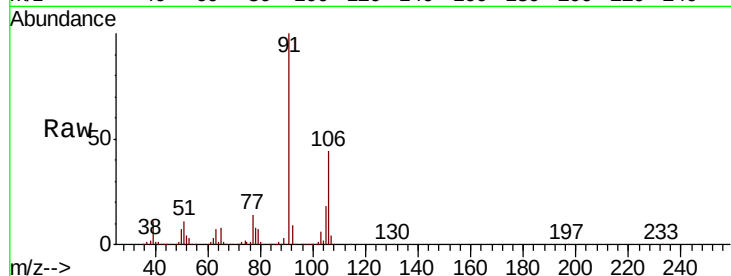
#69
o-Xylene
Concen: 130.253 ug/l
RT: 10.84 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 751838
Ion Ratio Lower Upper
106 100
91 226.3 112.9 338.8

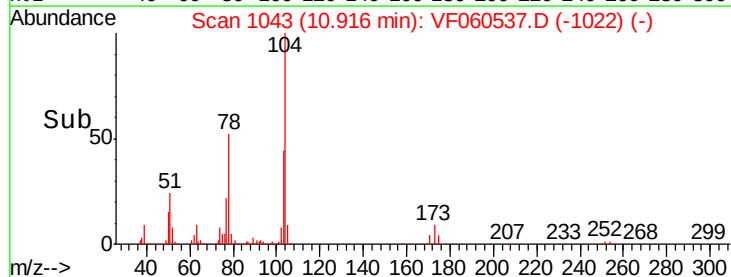
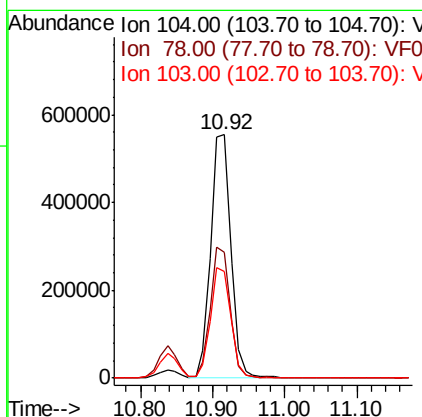
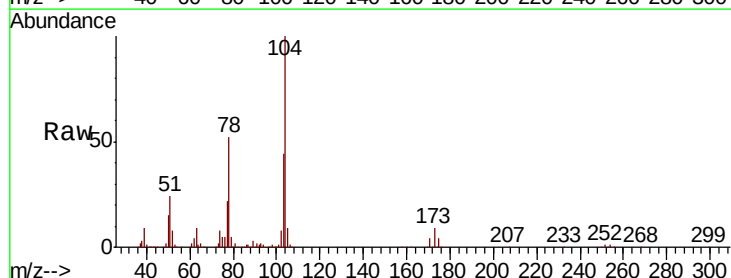
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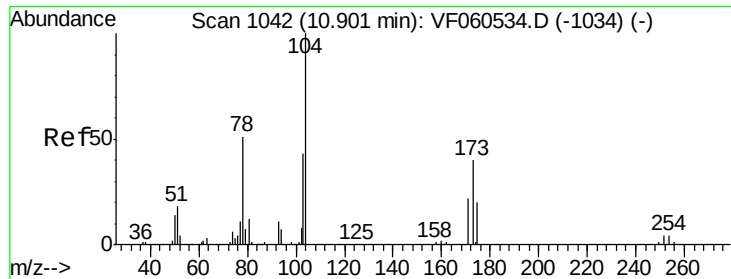
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#70
Styrene
Concen: 132.211 ug/l
RT: 10.92 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion:104 Resp: 1067120
Ion Ratio Lower Upper
104 100
78 51.6 43.4 65.2
103 43.9 36.9 55.3





#71

Bromoform

Concen: 127.975 ug/l

RT: 10.90 min Scan# 1041

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

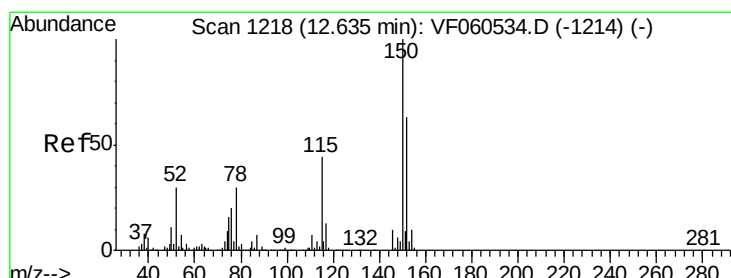
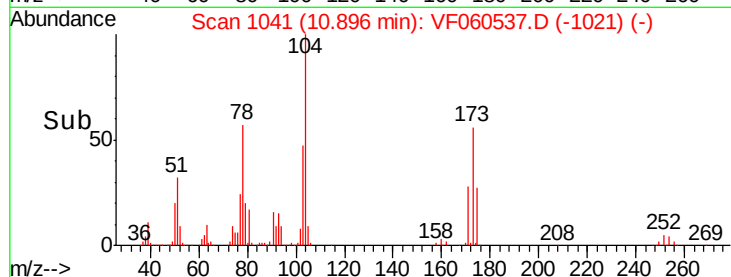
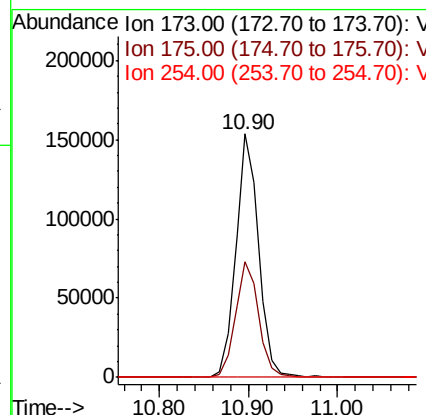
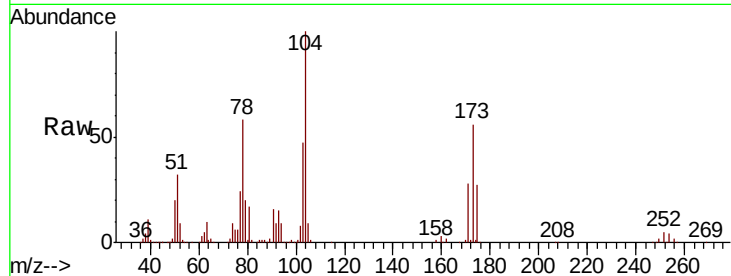
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	25.7	77.0
254	0.0	7.8	11.6

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

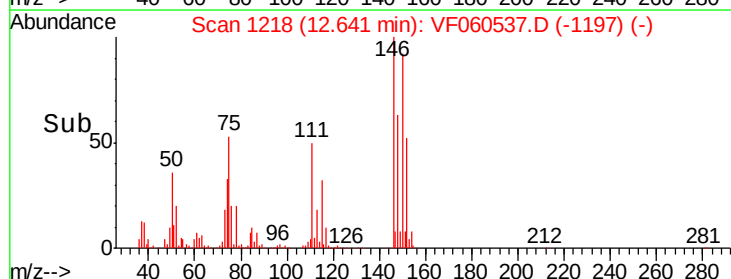
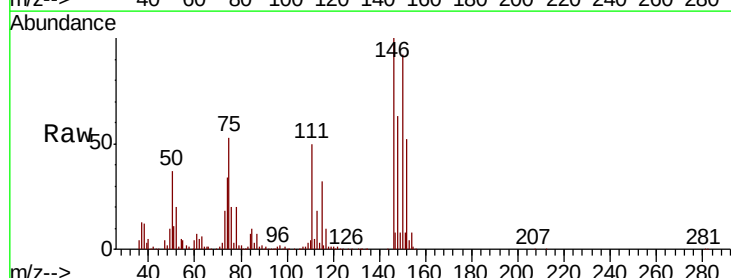
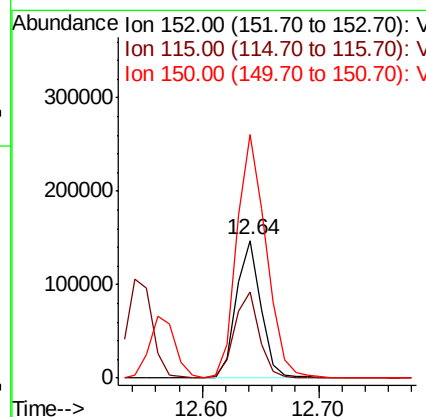
RT: 12.64 min Scan# 1218

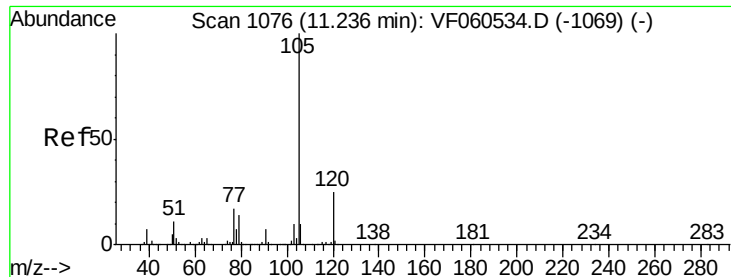
Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.4	34.7	104.1
150	177.0	0.0	318.4





#73

Isopropylbenzene

Concen: 125.018 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2149529

Ion Ratio Lower Upper

105 100

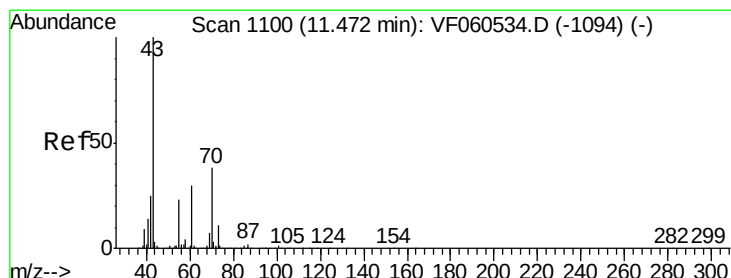
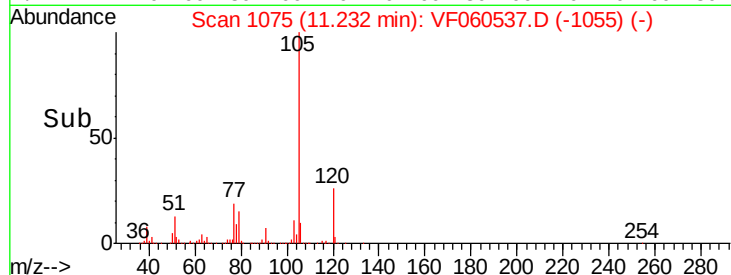
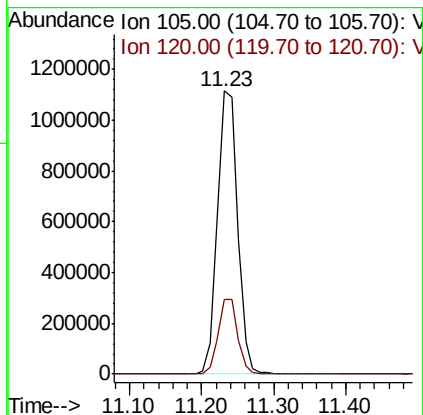
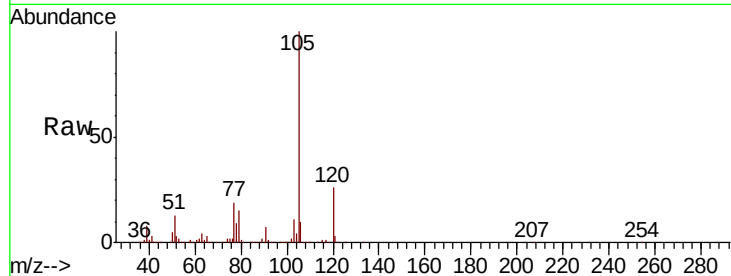
120 26.3 12.3 36.8

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#74

N-ethyl acetate

Concen: 152.594 ug/l

RT: 11.47 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Tgt Ion: 43 Resp: 476358

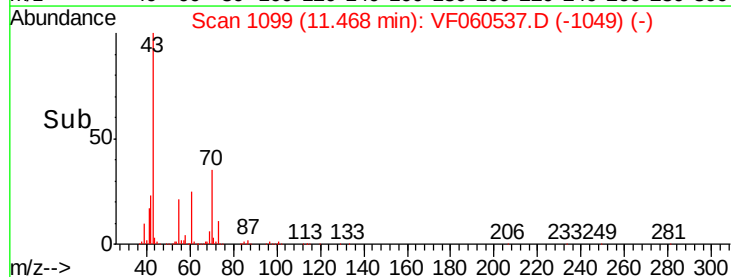
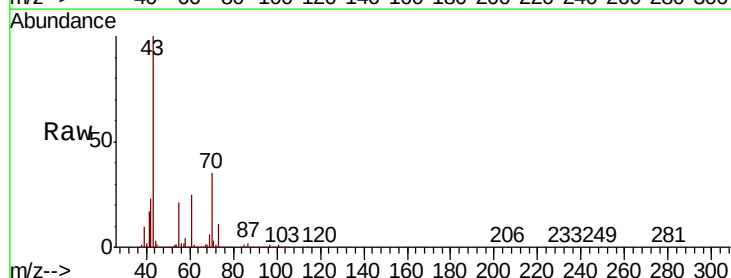
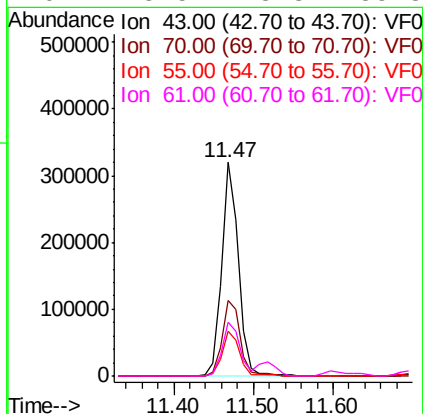
Ion Ratio Lower Upper

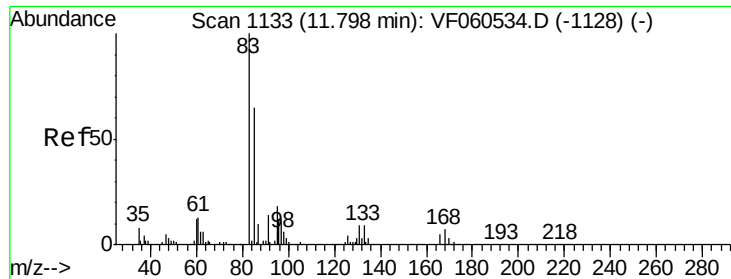
43 100

70 35.4 30.8 46.2

55 21.2 18.2 27.4

61 25.5 23.8 35.8





#75

1,1,2,2-Tetrachloroethane

Concen: 148.343 ug/l

RT: 11.79 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 378437
Ion Ratio Lower Upper

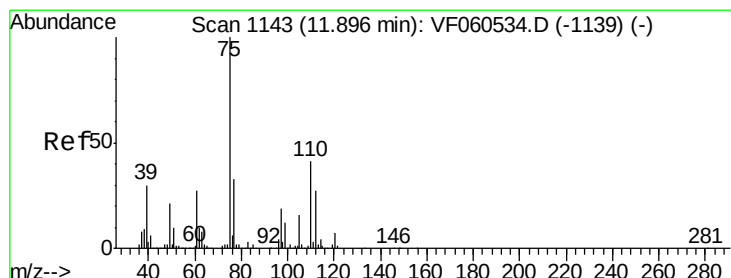
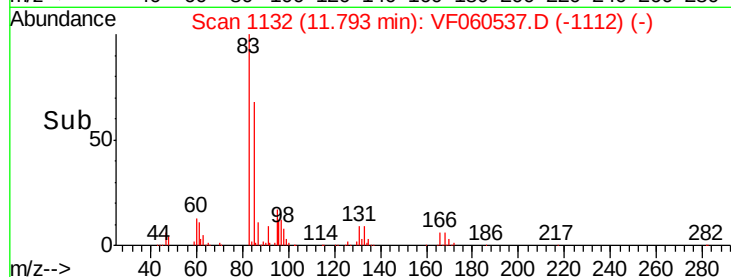
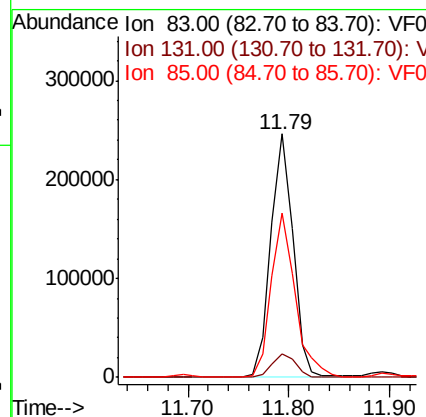
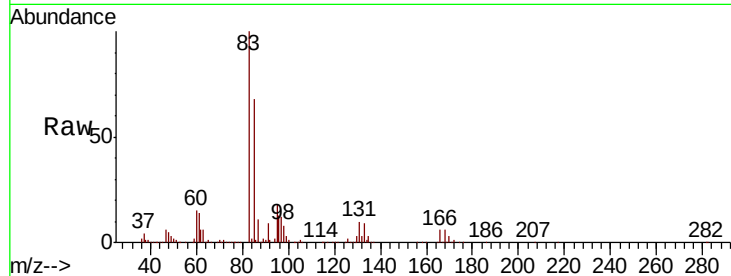
83 100

131 9.7 4.7 14.0

85 67.7 32.4 97.0

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#76

1,2,3-Trichloropropane

Concen: 138.545 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

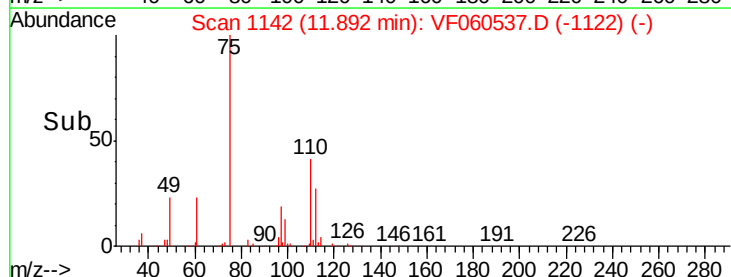
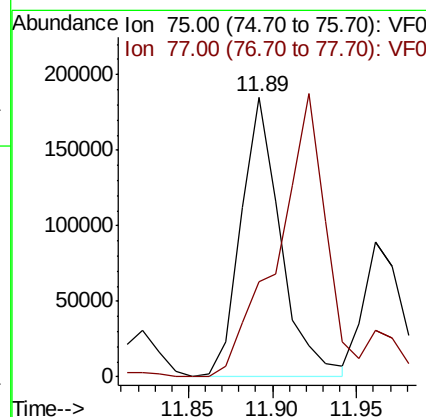
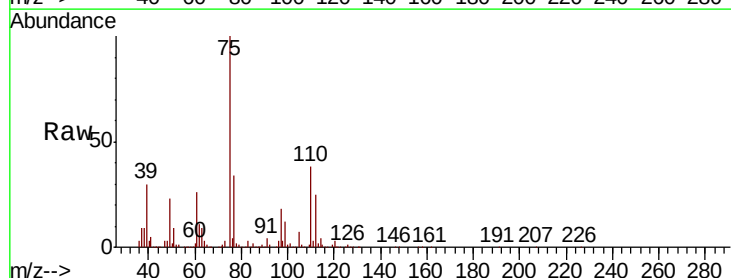
Lab File: VF060537.D

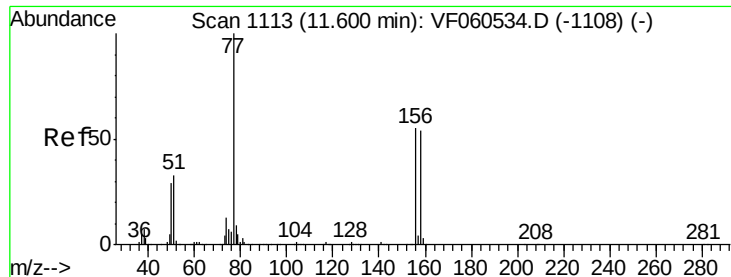
Acq: 29 Oct 2018 19:19

Tgt Ion: 75 Resp: 300318
Ion Ratio Lower Upper

75 100

77 33.9 16.7 50.1





#77

Bromobenzene

Concen: 142.868 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

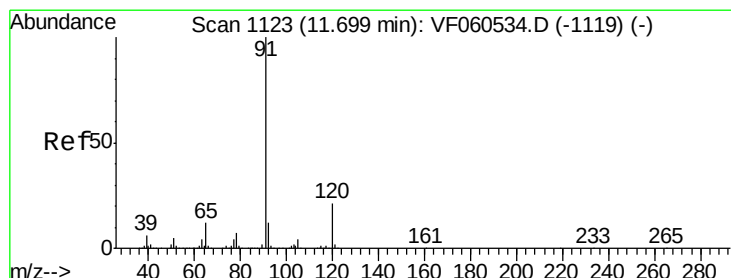
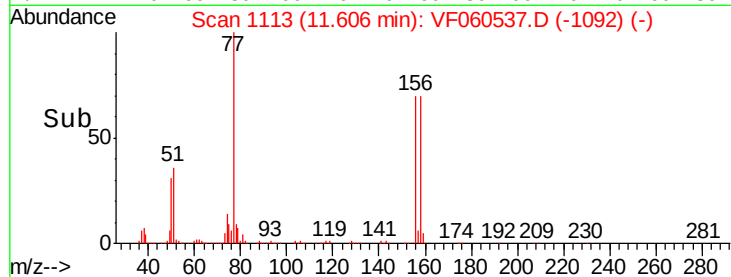
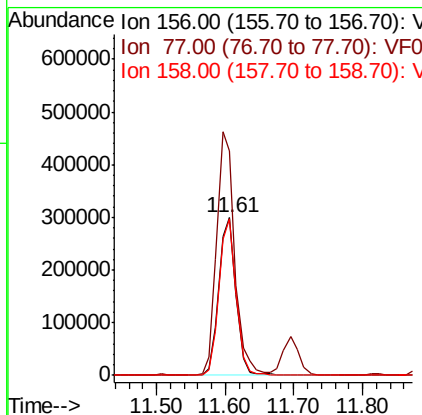
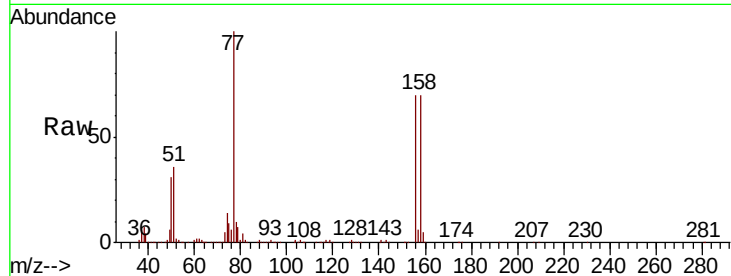
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	142.4	91.3	274.1	
158	99.0	49.3	147.9	

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#78

n-propylbenzene

Concen: 123.088 ug/l

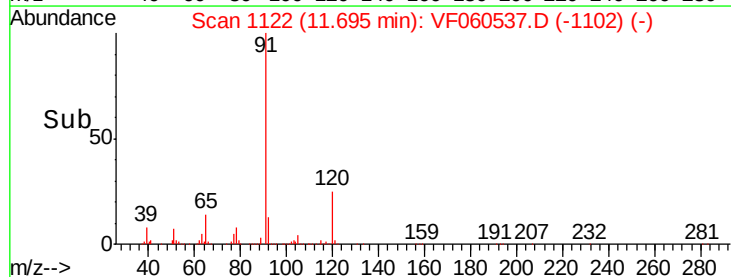
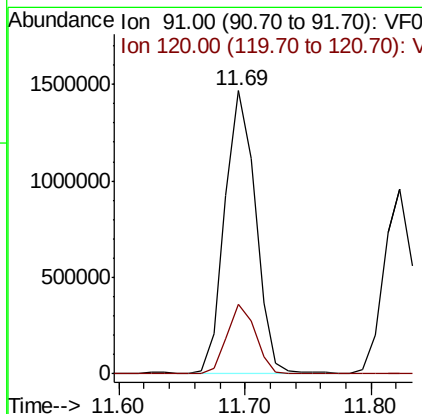
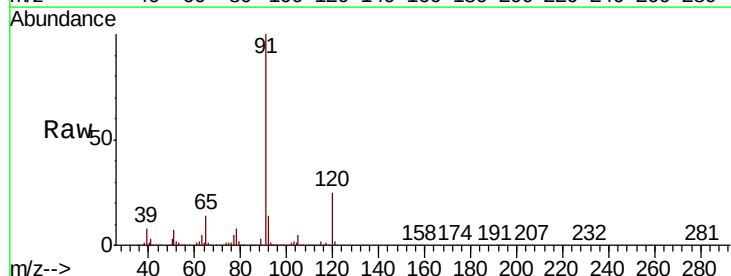
RT: 11.69 min Scan# 1122

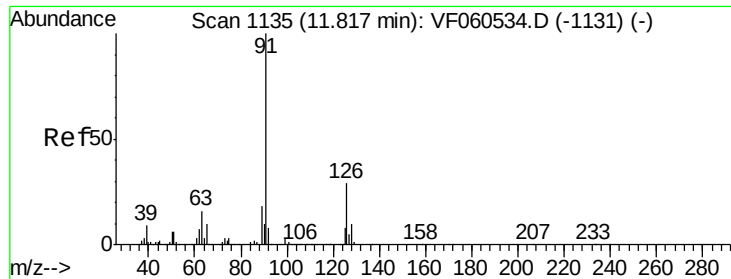
Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.5	10.7	32.1	





#79

2-Chlorotoluene

Concen: 126.766 ug/l

RT: 11.82 min Scan# 1135

Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1539884

Ion Ratio Lower Upper

91 100

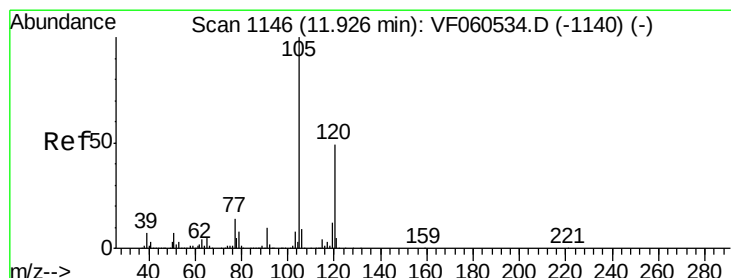
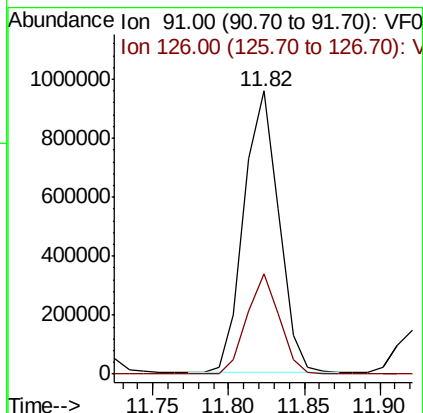
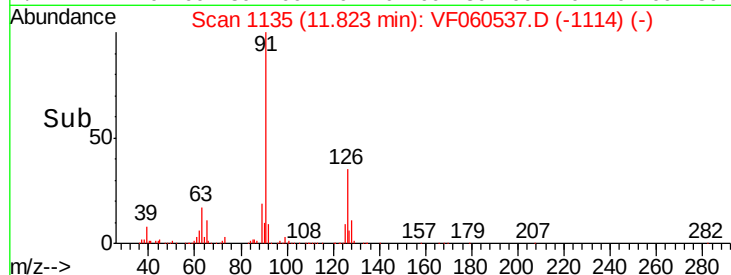
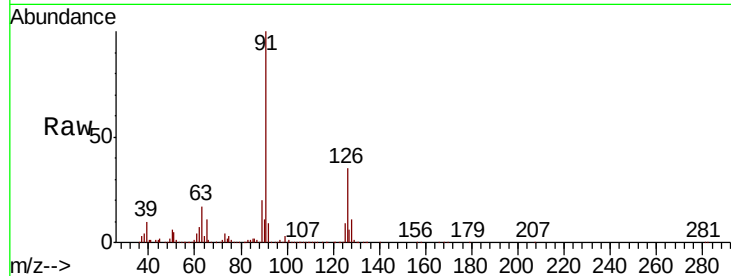
126 35.3 14.2 42.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 121.407 ug/l

RT: 11.92 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VF060537.D

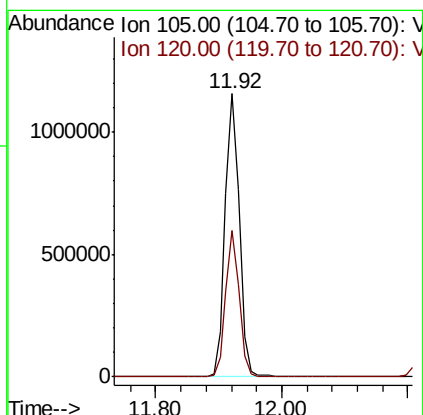
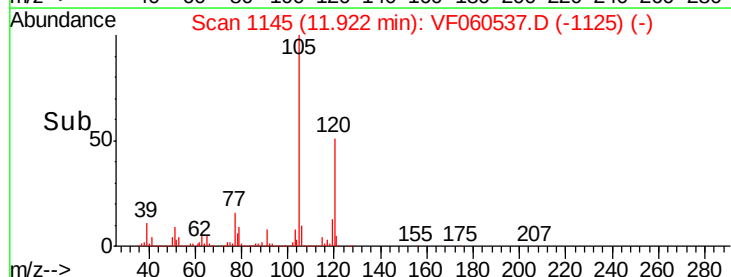
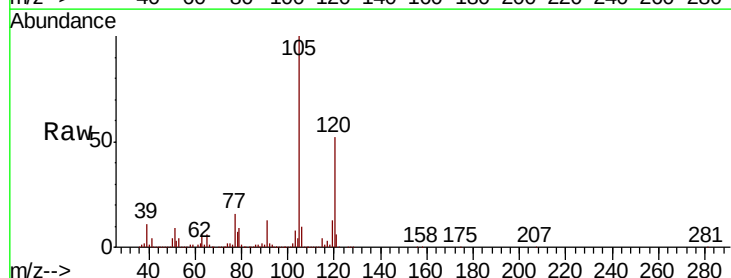
Acq: 29 Oct 2018 19:19

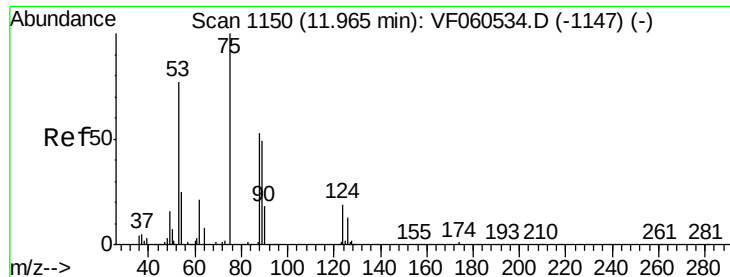
Tgt Ion: 105 Resp: 1827110

Ion Ratio Lower Upper

105 100

120 51.6 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 146.511 ug/l m

RT: 11.96 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

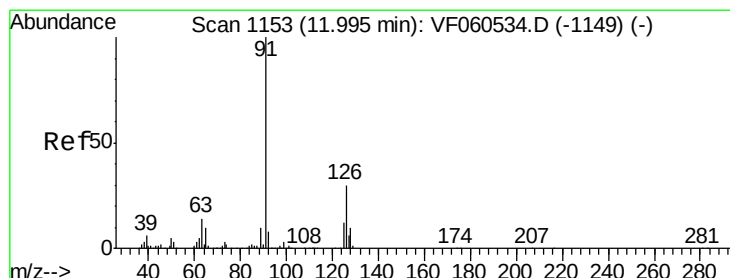
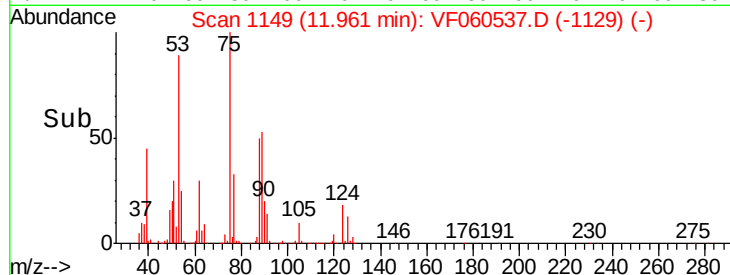
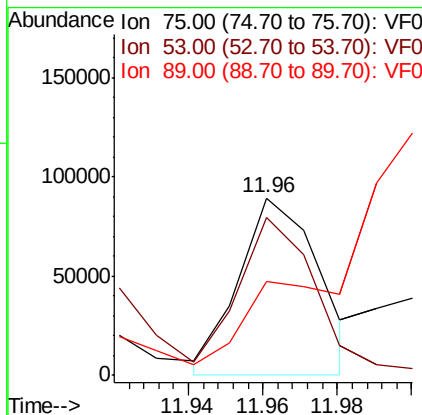
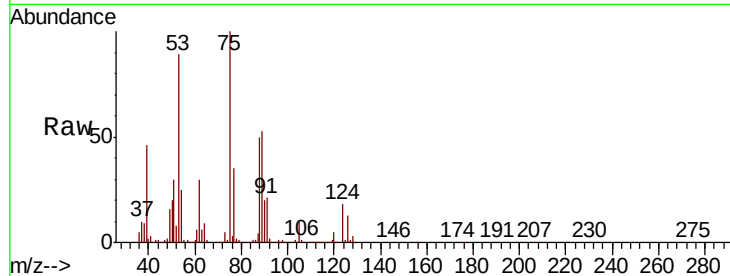
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	133386
Ion Ratio	Lower	Upper	
75	100		
53	89.1	65.8	98.6
89	53.0	44.0	66.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 122.269 ug/l

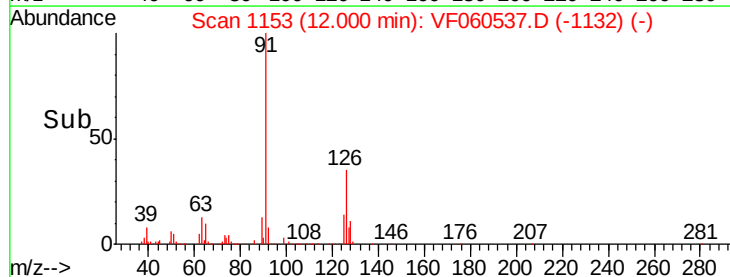
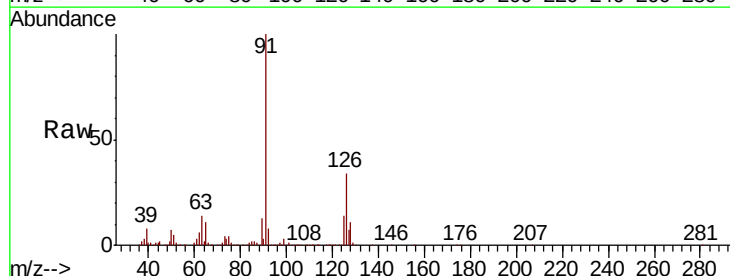
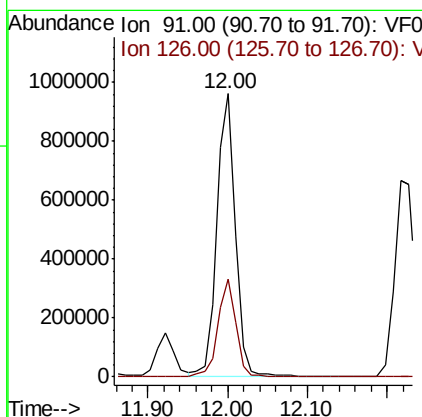
RT: 12.00 min Scan# 1153

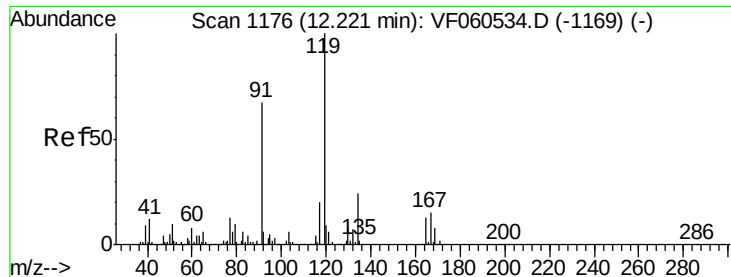
Delta R.T. 0.01 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Tgt Ion:	91	Resp:	1572440
Ion Ratio	Lower	Upper	
91	100		
126	34.3	15.1	45.3





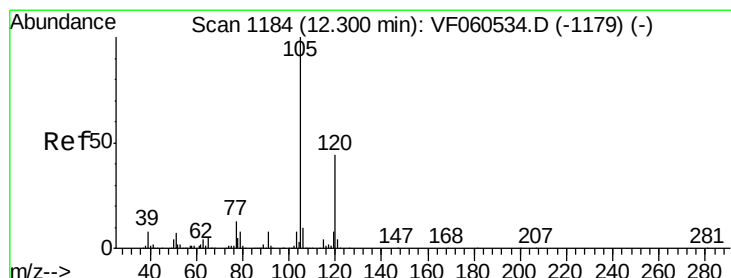
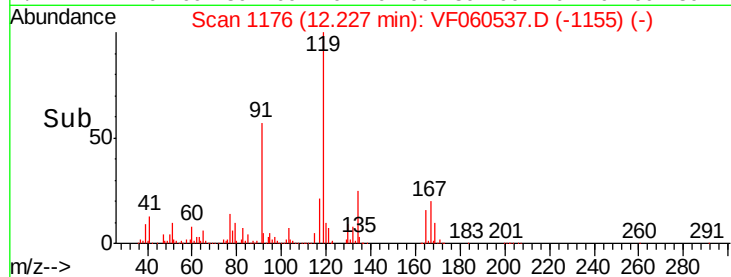
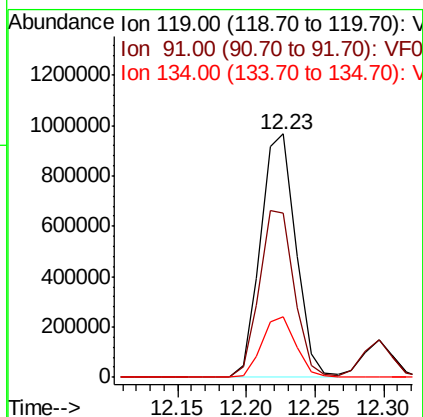
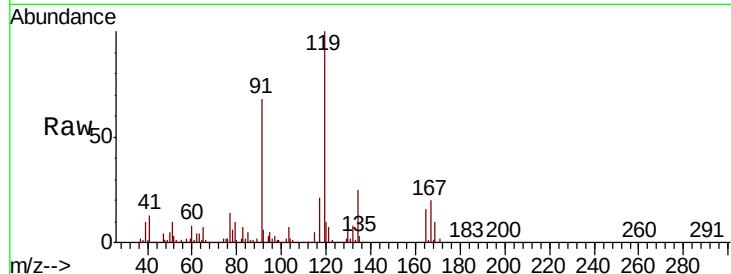
#83
tert-Butylbenzene
Concen: 115.387 ug/l
RT: 12.23 min Scan# 1176
Delta R.T. 0.01 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Lower	Upper
119	119	100		
91	91	67.7	33.6	100.8
134	134	25.0	12.0	36.0

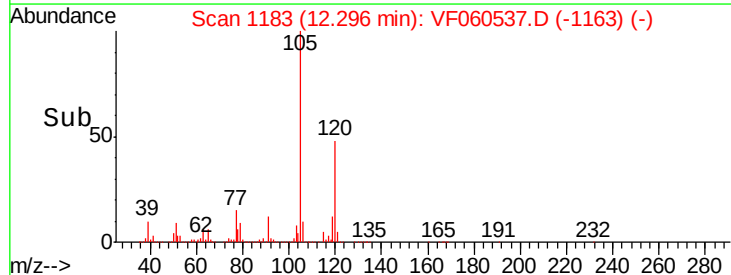
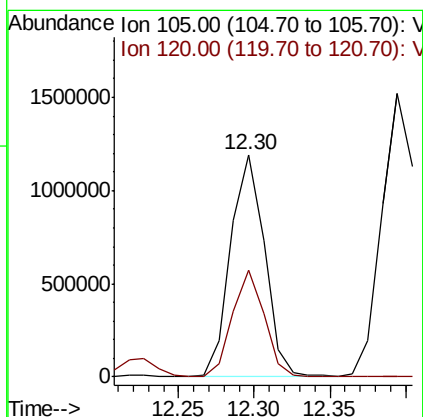
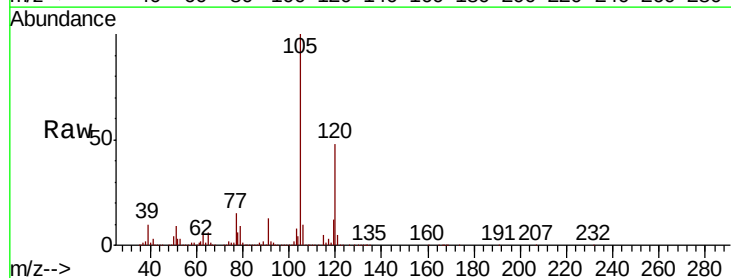
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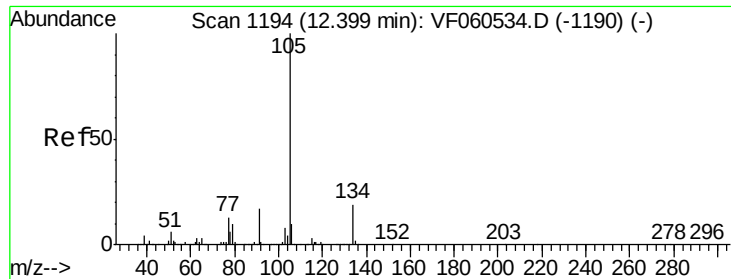
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#84
1,2,4-Trimethylbenzene
Concen: 125.380 ug/l
RT: 12.30 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion	Ion	Ratio	Lower	Upper
105	105	100		
120	120	47.8	22.0	66.0





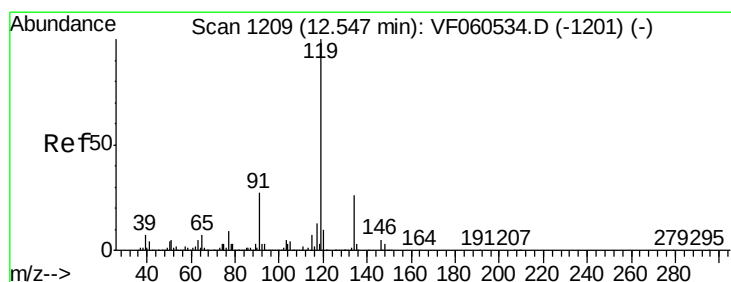
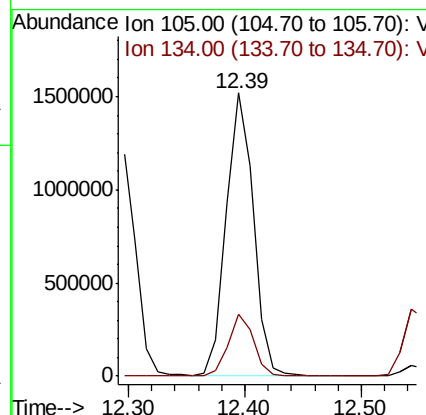
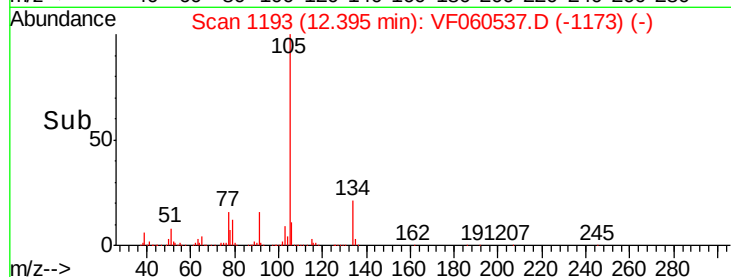
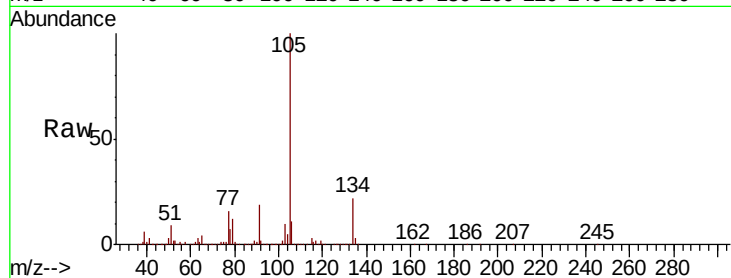
#85
 sec-Butylbenzene
 Concen: 120.573 ug/l
 RT: 12.39 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2453804
 Ion Ratio Lower Upper
 105 100
 134 21.9 9.6 28.6

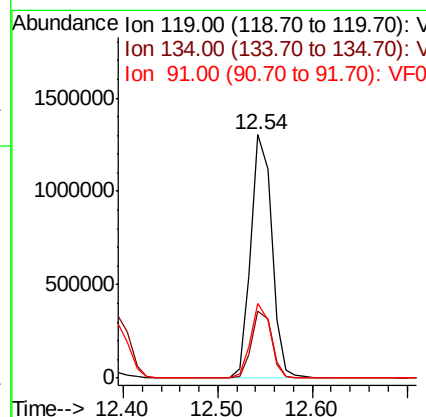
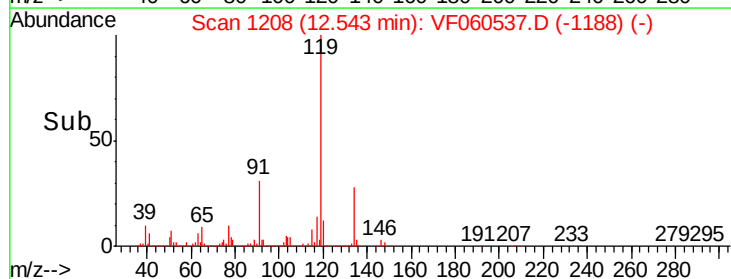
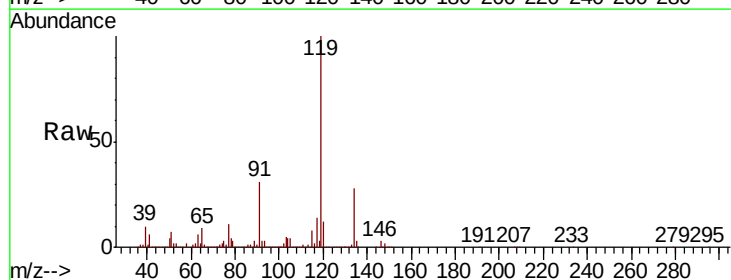
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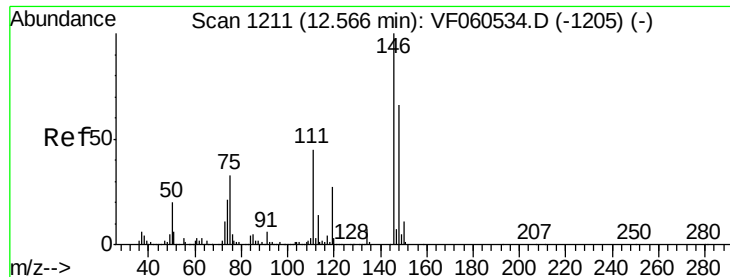
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#86
 p-Isopropyltoluene
 Concen: 116.815 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Tgt Ion:119 Resp: 2010513
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.1 39.1
 91 30.7 13.5 40.4





#87

1,3-Dichlorobenzene

Concen: 126.328 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Instrument :

MSVOA_F

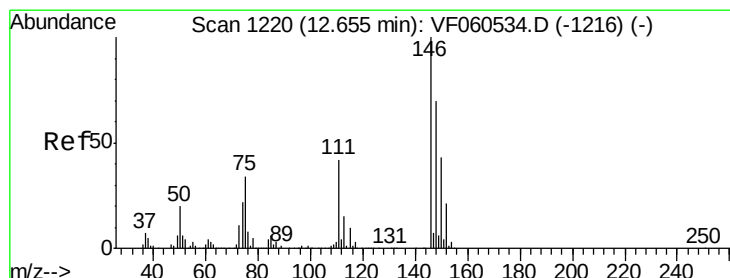
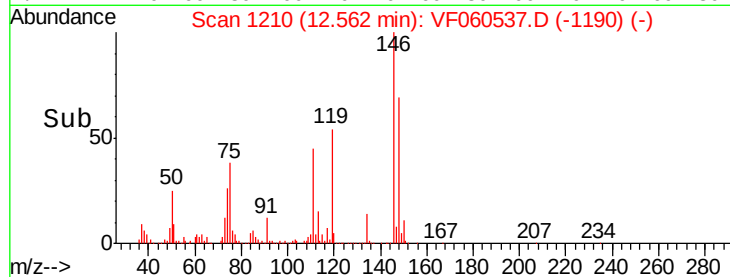
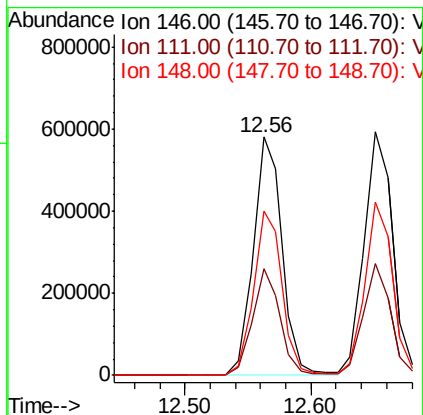
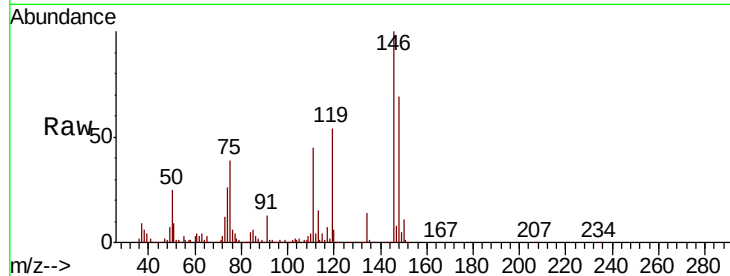
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	924781
Ion Ratio	Lower	Upper	
146	100		
111	44.9	22.6	67.7
148	68.8	33.1	99.3

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#88

1,4-Dichlorobenzene

Concen: 132.987 ug/l

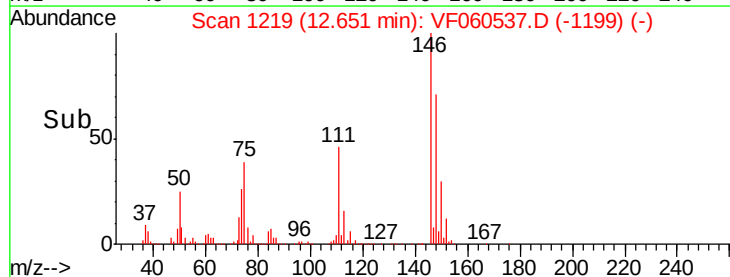
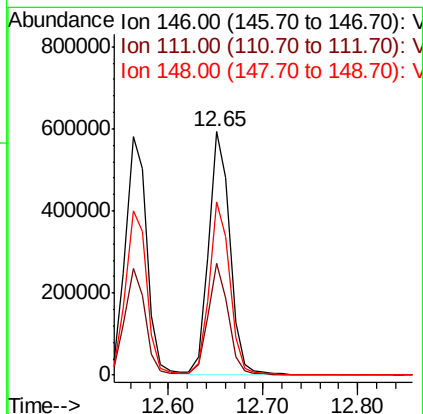
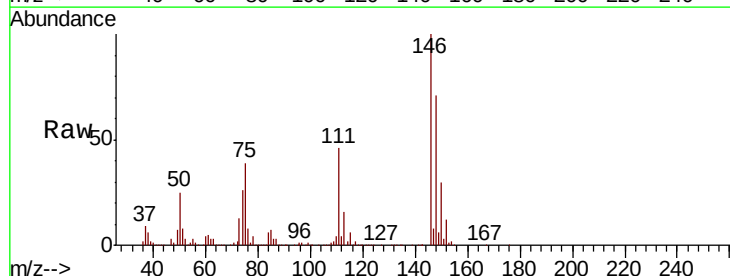
RT: 12.65 min Scan# 1219

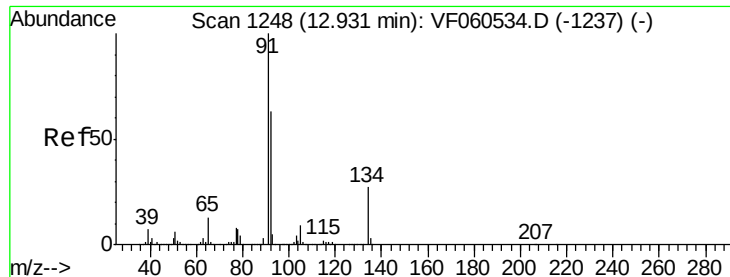
Delta R.T. -0.00 min

Lab File: VF060537.D

Acq: 29 Oct 2018 19:19

Tgt Ion:	146	Resp:	937331
Ion Ratio	Lower	Upper	
146	100		
111	46.1	21.2	63.6
148	71.1	35.1	105.5





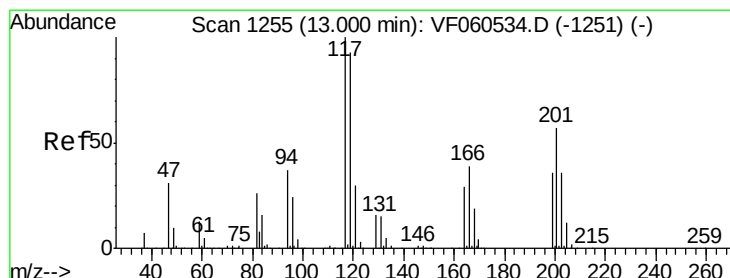
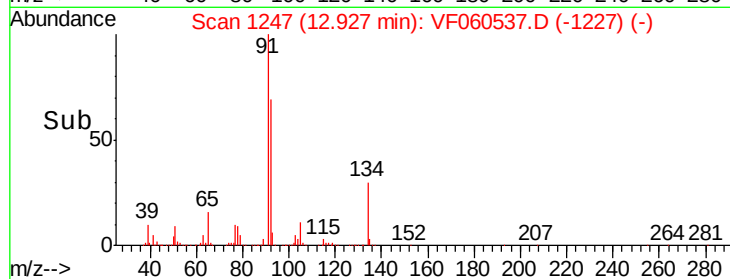
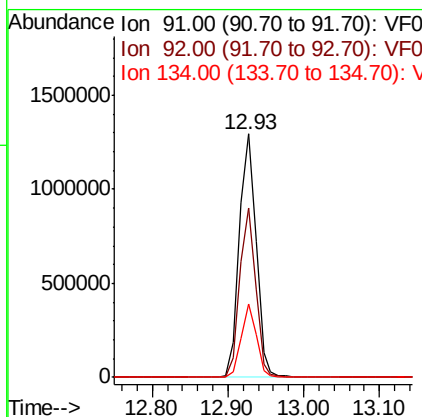
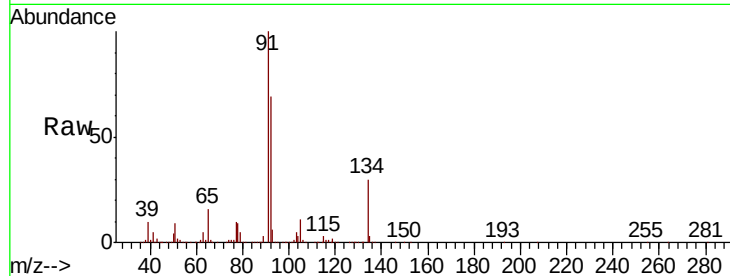
#89
n-Butylbenzene
Concen: 107.101 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	69.3	31.3	93.9
134	30.3	13.3	39.8

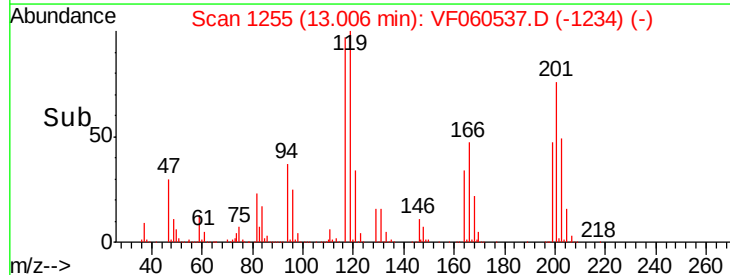
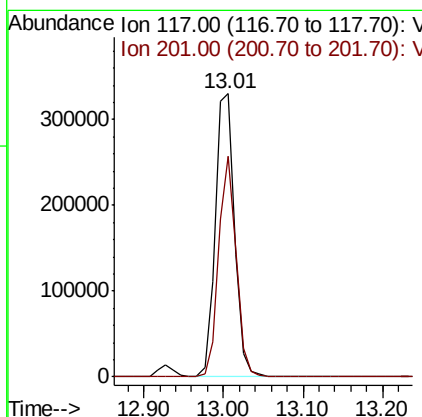
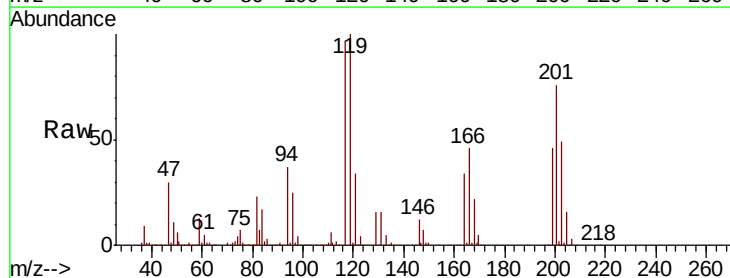
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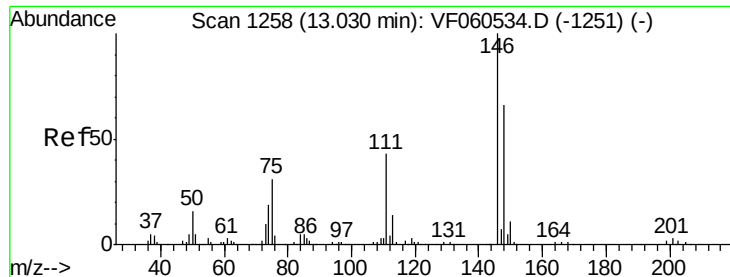
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#90
Hexachloroethane
Concen: 125.728 ug/l
RT: 13.01 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.2	28.2	84.7





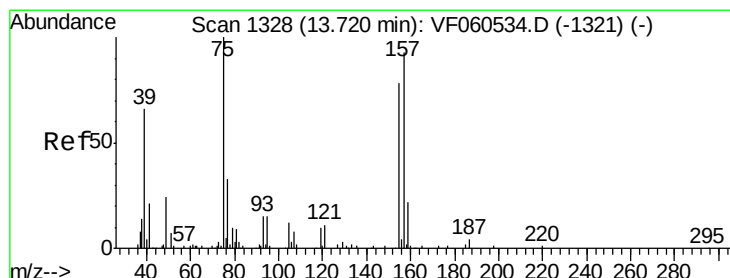
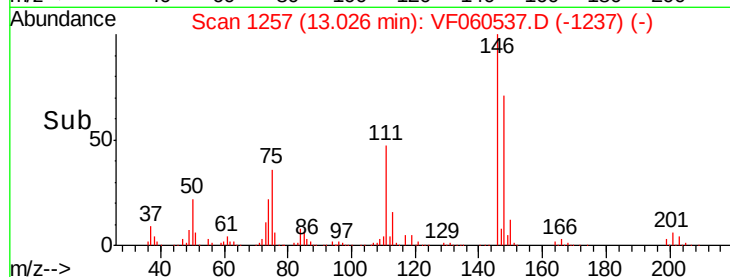
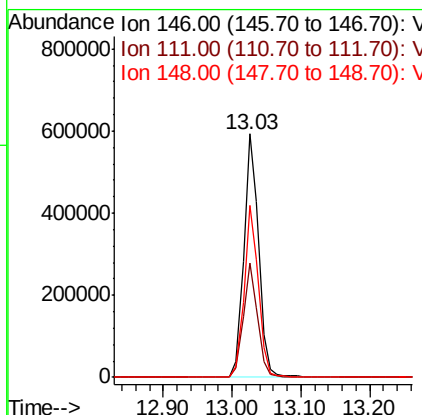
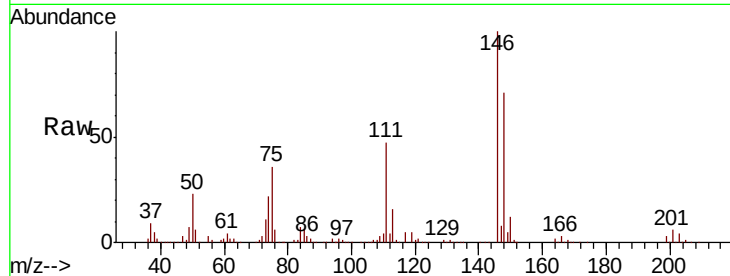
#91
 1,2-Dichlorobenzene
 Concen: 125.512 ug/l
 RT: 13.03 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.2	21.5	64.5
148	70.7	33.1	99.5

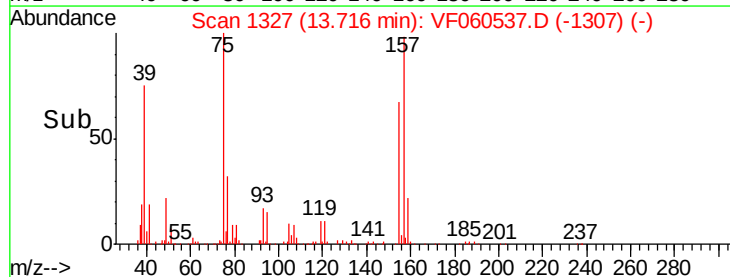
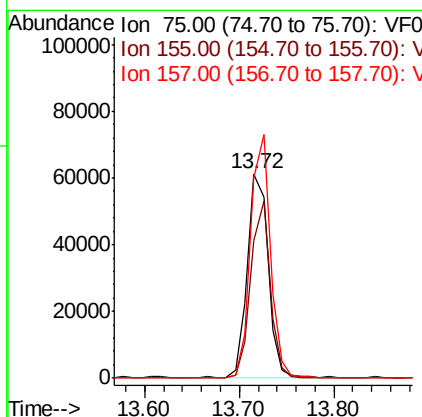
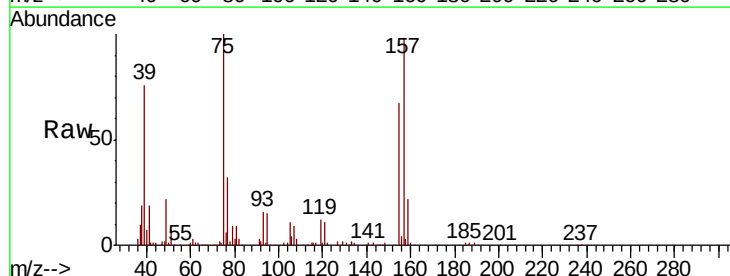
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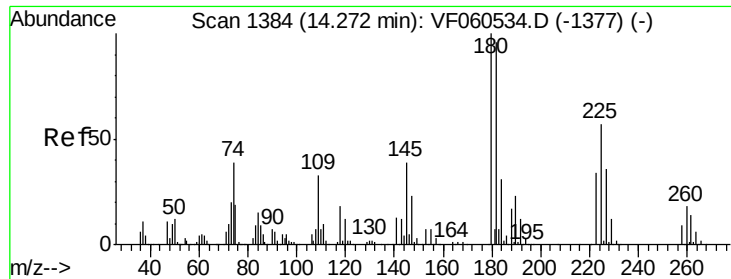
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 151.453 ug/l
 RT: 13.72 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	67.1	40.8	122.5
157	97.9	46.5	139.5





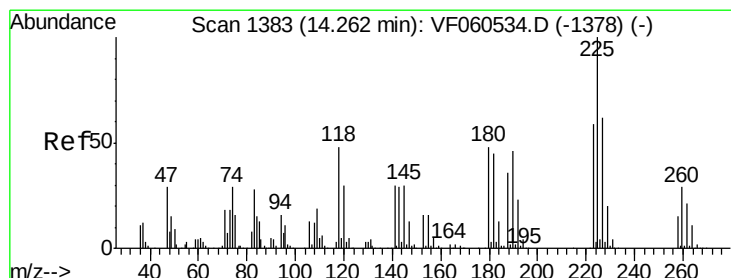
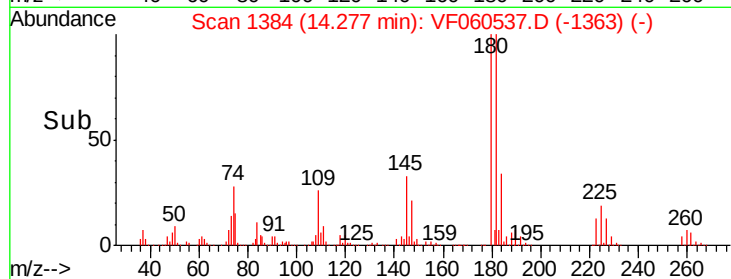
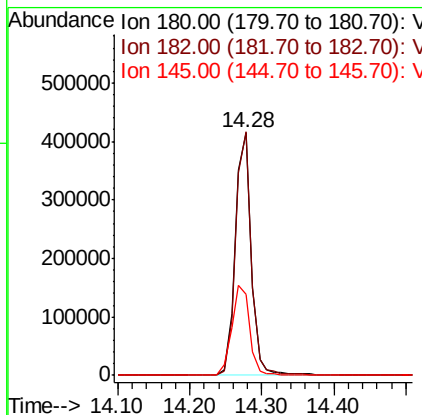
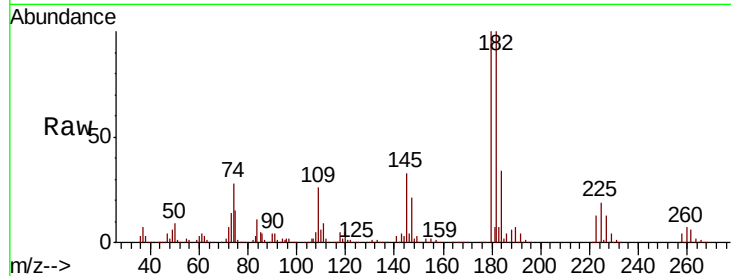
#93
 1,2,4-Trichlorobenzene
 Concen: 115.279 ug/l
 RT: 14.28 min Scan# 1384
 Delta R.T. 0.01 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	647449		
182	100.4	48.1	144.3	
145	33.3	19.5	58.5	

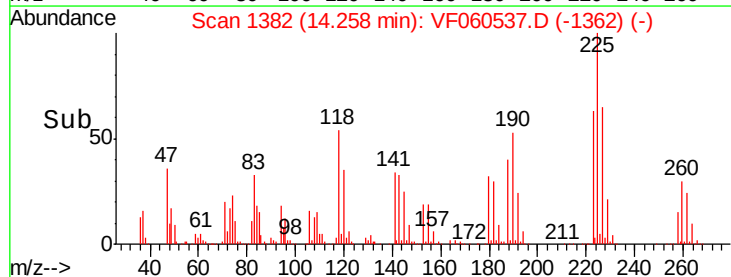
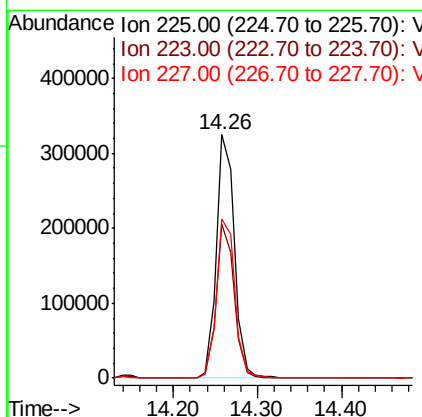
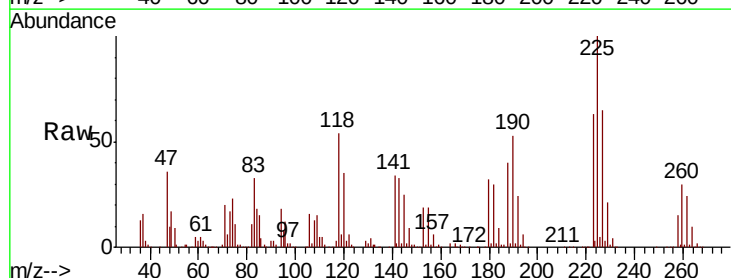
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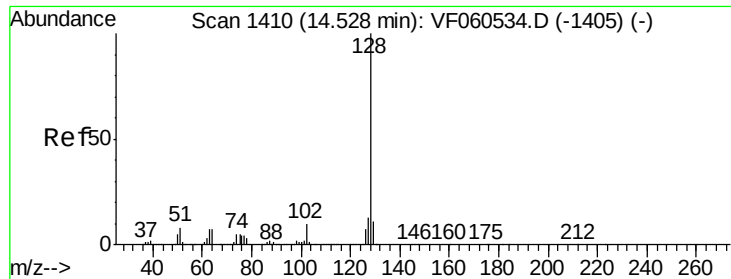
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#94
 Hexachlorobutadiene
 Concen: 117.179 ug/l
 RT: 14.26 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060537.D
 Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	484973		
223	63.3	29.5	88.5	
227	65.4	31.3	93.8	





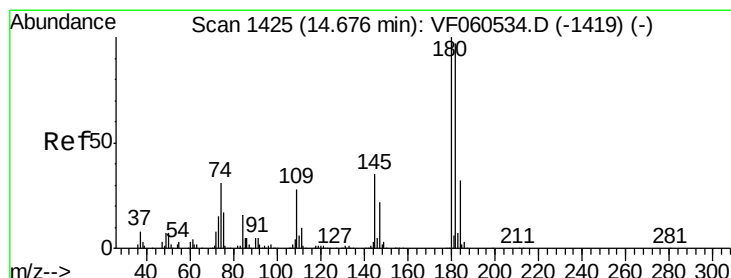
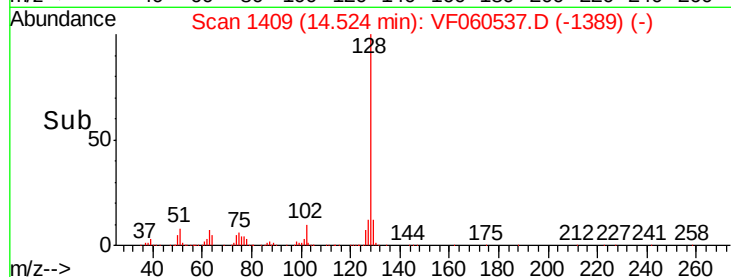
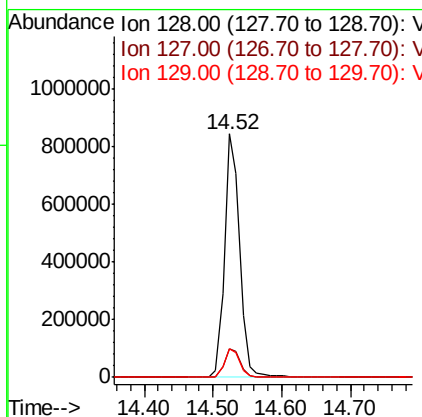
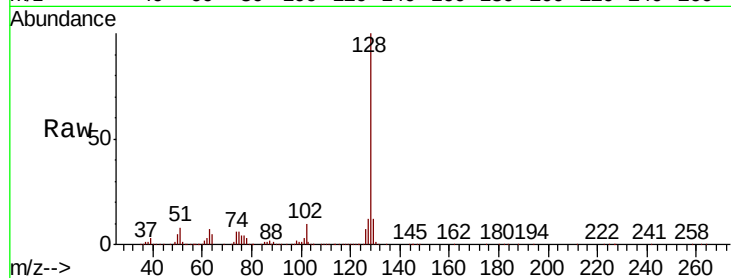
#95
Naphthalene
Concen: 142.461 ug/l
RT: 14.52 min Scan# 1409
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.6	10.1	15.1
129	11.8	8.7	13.1

Manual Integrations
APPROVED

apatel
10/30/2018 2:07:33 PM



#96
1,2,3-Trichlorobenzene
Concen: 125.641 ug/l
RT: 14.67 min Scan# 1424
Delta R.T. -0.00 min
Lab File: VF060537.D
Acq: 29 Oct 2018 19:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	101.9	48.7	146.1
145	35.8	17.3	52.0

