

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059640.D
 Acq On : 24 Jul 2018 18:54
 Operator : VA/AP
 Sample : VSTDIC150
 Misc : 5.00µl/5mL/MSVOA F/SOIL
 ALS Vial : 88 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

apatel
 7/25/2018 2:32:23 PM

Quant Time: Jul 25 01:57:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 00:58:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	250290	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	354941	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	326314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	196643	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	486409	126.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	252.08%	
35) Dibromofluoromethane	4.28	113	425146	130.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	261.84%	
50) Toluene-d8	7.70	98	1075955	132.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	264.70%	
62) 4-Bromofluorobenzene	11.50	95	533443	115.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	230.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	384828	124.967	ug/l	97
3) Chloromethane	1.08	50	207561	142.756	ug/l	95
4) Vinyl Chloride	1.15	62	228581	143.009	ug/l	97
5) Bromomethane	1.33	94	169110	124.053	ug/l	98
6) Chloroethane	1.41	64	118934	121.859	ug/l	89
7) Trichlorofluoromethane	1.53	101	557459m	128.988	ug/l	
8) Diethyl Ether	1.69	74	90547	148.110	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.88	101	289323	130.307	ug/l	94
10) Methyl Iodide	1.95	142	480336	131.361	ug/l	93
11) Tert butyl alcohol	2.68	59	87874	567.365	ug/l	94
12) 1,1-Dichloroethene	1.84	96	232408	134.042	ug/l	83
13) Acrolein	2.09	56	46579	612.626	ug/l	84
14) Allyl chloride	2.18	41	411456	131.152	ug/l	92
15) Acrylonitrile	3.06	53	145953	610.196	ug/l	94
16) Acetone	2.33	43	298320	460.046	ug/l #	94
17) Carbon Disulfide	1.83	76	570042	126.484	ug/l	98
18) Methyl Acetate	2.44	43	117478	106.785	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	605446	120.588	ug/l	97
20) Methylene Chloride	2.27	84	197144	100.503	ug/l	96
21) trans-1,2-Dichloroethene	2.40	96	233404	129.741	ug/l	97
22) Diisopropyl ether	2.92	45	750632	130.859	ug/l	96
23) Vinyl Acetate	3.32	43	1731156	605.593	ug/l	97
24) 1,1-Dichloroethane	2.99	63	521685	126.257	ug/l	99
25) 2-Butanone	4.49	43	385280	569.144	ug/l	94
26) 2,2-Dichloropropane	3.74	77	406189	118.080	ug/l	100
27) cis-1,2-Dichloroethene	3.62	96	283318	137.238	ug/l	95
28) Bromochloromethane	3.87	49	174248	114.748	ug/l	96
29) Tetrahydrofuran	4.24	42	153205	555.489	ug/l	96
30) Chloroform	4.02	83	712801	124.972	ug/l	99
31) Cyclohexane	3.85	56	311472	134.469	ug/l	99
32) 1,1,1-Trichloroethane	4.26	97	597575	117.125	ug/l	99
36) 1,1-Dichloropropene	4.44	75	480195	134.533	ug/l	98
37) Ethyl Acetate	4.28	43	170457	121.357	ug/l #	60
38) Carbon Tetrachloride	4.16	117	649289	120.177	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	381808	132.618	ug/l	94
40) Benzene	4.80	78	863140	132.276	ug/l	99
41) Methacrylonitrile	4.91	41	86425	124.571	ug/l	94
42) 1,2-Dichloroethane	5.10	62	509046	117.913	ug/l	98
43) Isopropyl Acetate	7.10	43	226737	129.629	ug/l	99
44) Trichloroethene	5.66	130	311354	125.052	ug/l	88
45) 1,2-Dichloropropane	6.39	63	221998	127.236	ug/l	98
46) Dibromomethane	6.24	93	183472	129.353	ug/l	94
47) Bromodichloromethane	6.53	83	541694	124.716	ug/l	97
48) Methyl methacrylate	6.86	41	171275	128.608	ug/l	96
49) 1,4-Dioxane	6.85	88	26080	2785.844	ug/l #	84
51) 4-Methyl-2-Pentanone	8.40	43	741642	566.785	ug/l	98
52) Toluene	7.77	92	618879	125.402	ug/l	100
53) t-1,3-Dichloropropene	8.42	75	418547	115.132	ug/l	99
54) cis-1,3-Dichloropropene	7.44	75	481082	132.841	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	203600	124.366	ug/l	96
56) Ethyl methacrylate	8.75	69	235322	129.664	ug/l	97
57) 1,3-Dichloropropane	8.99	76	348843	121.939	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	128391	596.012	ug/l	100
59) 2-Hexanone	9.62	43	590176	567.723	ug/l	98
60) Dibromochloromethane	8.85	129	375162	127.620	ug/l	100
61) 1,2-Dibromoethane	9.13	107	249248	132.280	ug/l	97
64) Tetrachloroethene	8.29	164	333757	136.604	ug/l	97
65) Chlorobenzene	9.93	112	800816	134.607	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.06	131	354067	130.626	ug/l	98
67) Ethyl Benzene	10.03	91	1409428	130.810	ug/l	97
68) m/p-Xylenes	10.26	106	954458	255.327	ug/l	91
69) o-Xylene	10.82	106	548882	136.158	ug/l	92
70) Styrene	10.89	104	778678	129.664	ug/l	96
71) Bromoform	10.88	173	216954	130.387	ug/l #	91
73) Isopropylbenzene	11.22	105	1624515	130.312	ug/l	100
74) N-amyl acetate	11.45	43	385702	140.855	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	260423	126.372	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	211923	117.418	ug/l	95
77) Bromobenzene	11.59	156	411726	129.485	ug/l	95
78) n-propylbenzene	11.68	91	1828867	122.977	ug/l	96
79) 2-Chlorotoluene	11.81	91	1136591	127.095	ug/l	94
80) 1,3,5-Trimethylbenzene	11.91	105	1396249	124.800	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.96	75	138993	186.031	ug/l	92
82) 4-Chlorotoluene	11.98	91	1234046	124.515	ug/l	98
83) tert-Butylbenzene	12.21	119	1352613	122.410	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	1434195	126.561	ug/l	95
85) sec-Butylbenzene	12.38	105	1860496	129.689	ug/l	99
86) p-Isopropyltoluene	12.54	119	1589960	126.610	ug/l	96
87) 1,3-Dichlorobenzene	12.56	146	720017	116.591	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	753113	130.815	ug/l	98
89) n-Butylbenzene	12.91	91	1513299	125.440	ug/l	91
90) Hexachloroethane	12.99	117	408446	130.285	ug/l #	1
91) 1,2-Dichlorobenzene	13.02	146	717243	123.444	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	67471	134.577	ug/l	89

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QLast Update : Wed Jul 25 00:58:12 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	541648	124.753	ug/l	98
94) Hexachlorobutadiene	14.25	225	410691	135.516	ug/l	94
95) Naphthalene	14.52	128	968953	138.442	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	524305	133.192	ug/l	98

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

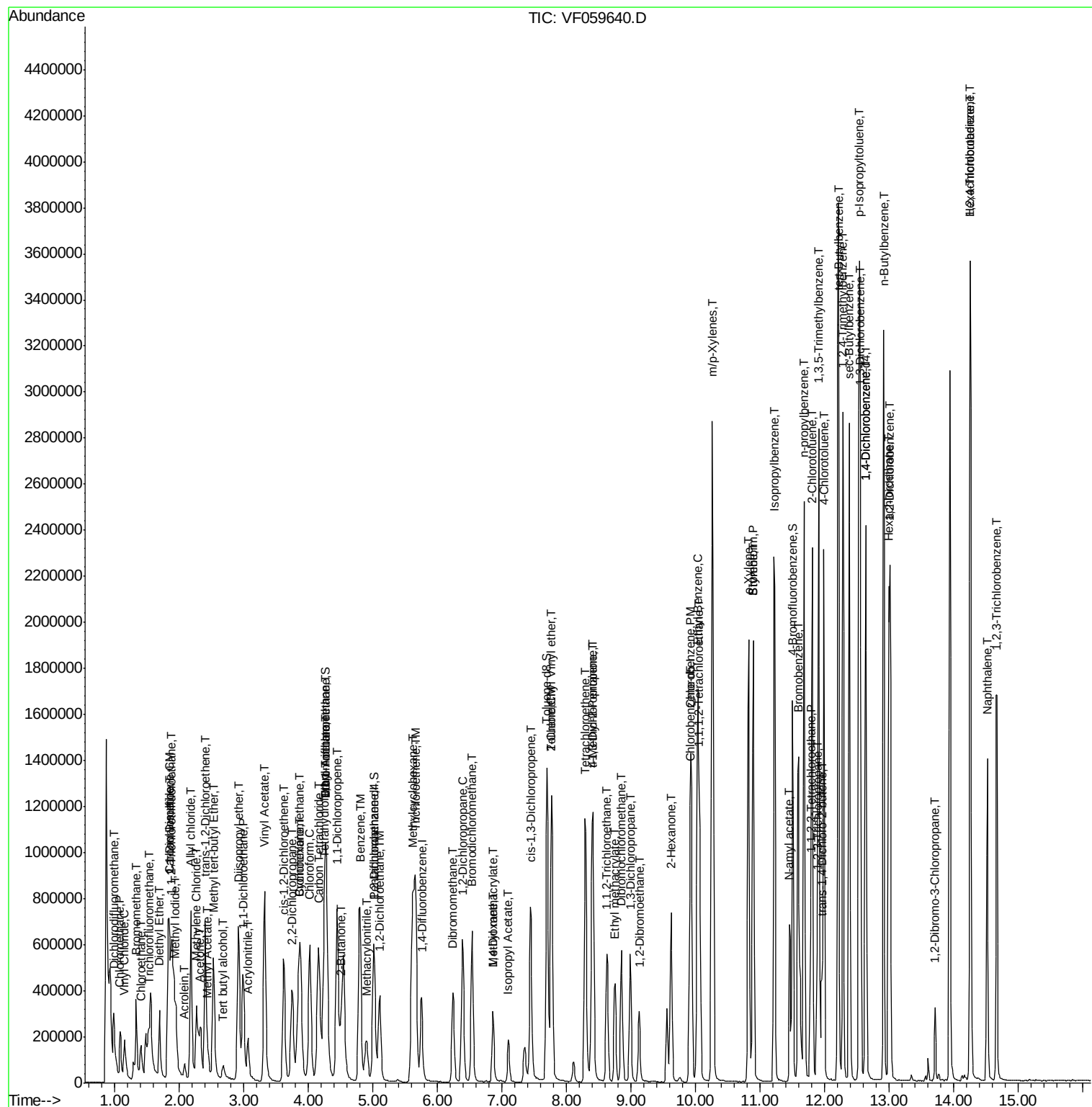
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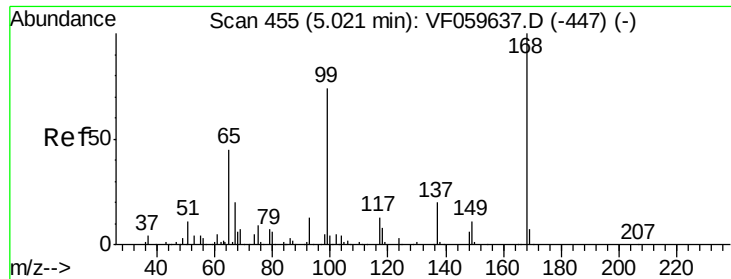
Instrument :
 MSVOA_F
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 250290

Ion Ratio Lower Upper

168 100

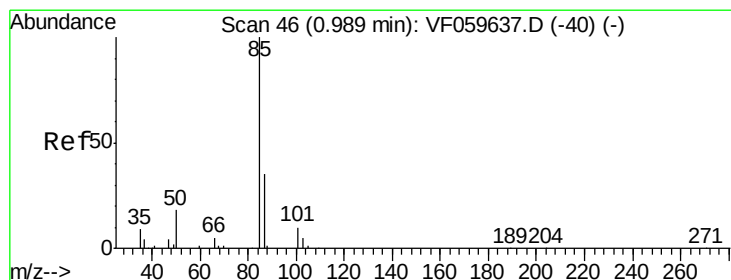
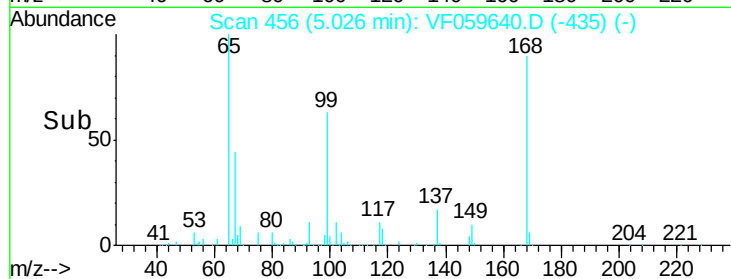
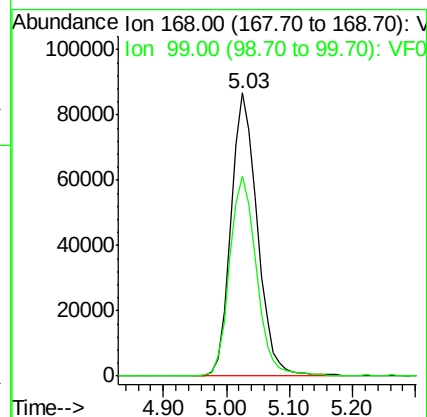
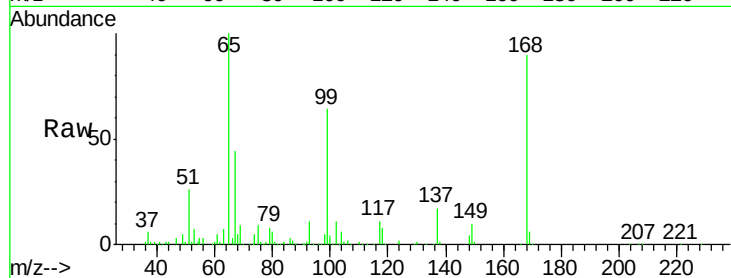
99 70.7 59.5 89.3

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 124.967 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059640.D

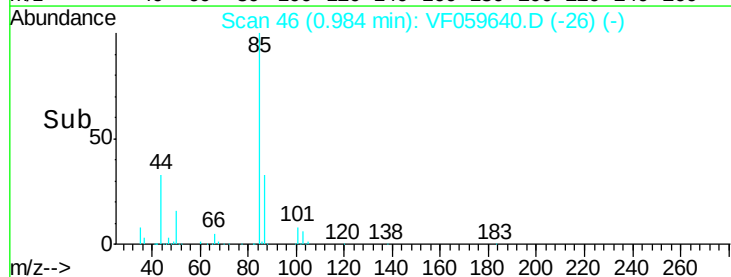
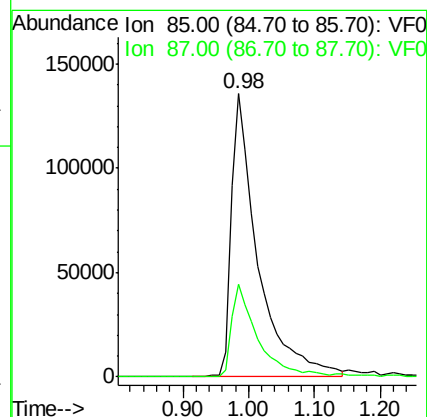
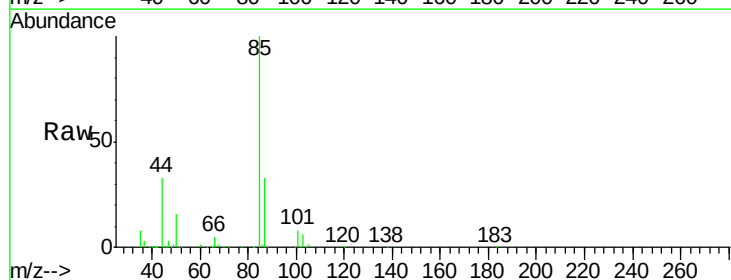
Acq: 24 Jul 2018 18:54

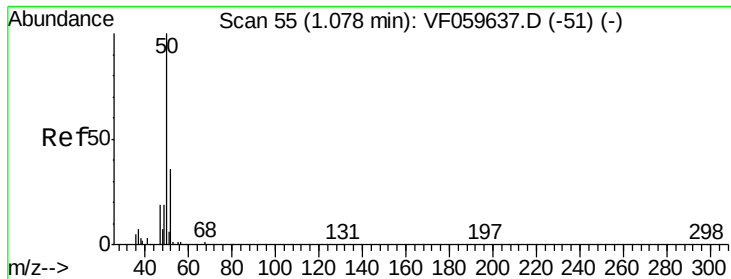
Tgt Ion: 85 Resp: 384828

Ion Ratio Lower Upper

85 100

87 32.9 17.4 52.2





#3

Chloromethane

Concen: 142.756 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 207561

Ion Ratio Lower Upper

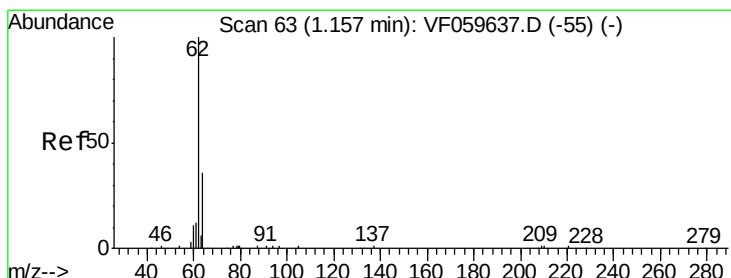
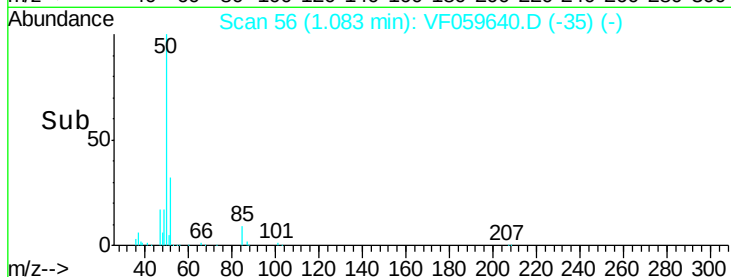
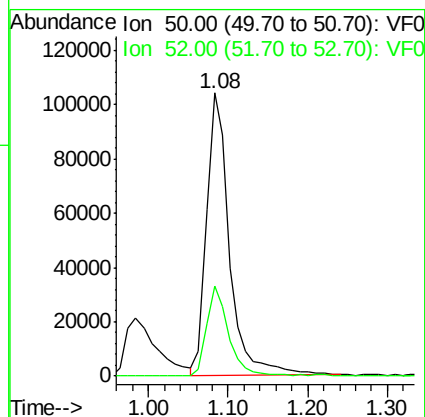
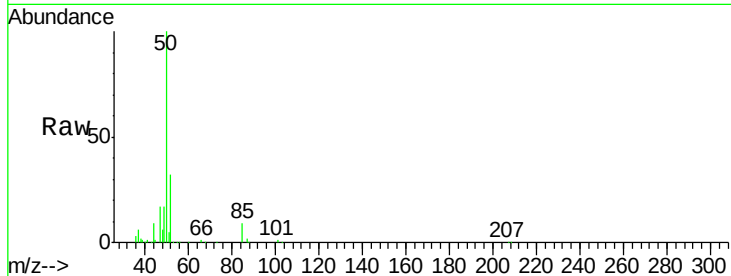
50 100

52 32.0 28.0 42.0

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#4

Vinyl Chloride

Concen: 143.009 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059640.D

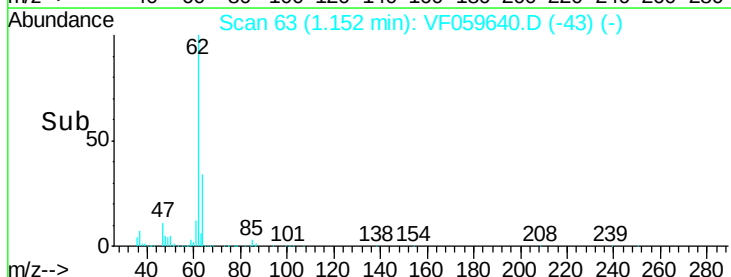
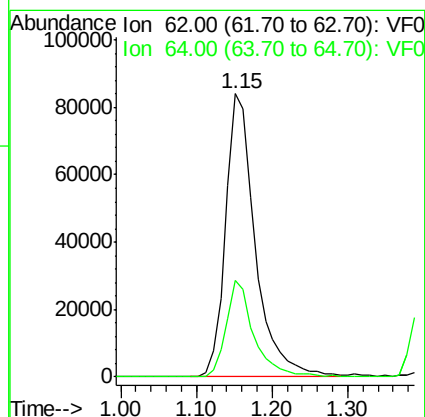
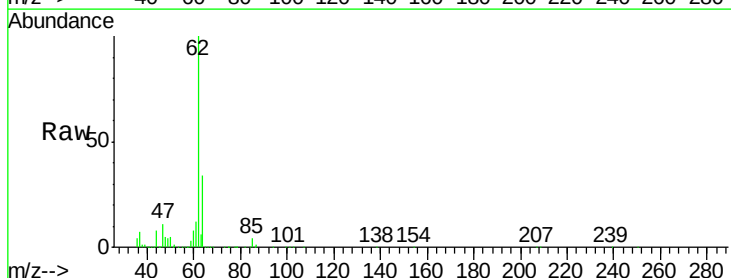
Acq: 24 Jul 2018 18:54

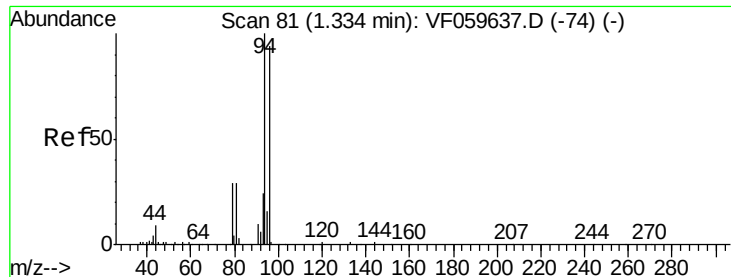
Tgt Ion: 62 Resp: 228581

Ion Ratio Lower Upper

62 100

64 34.0 28.6 43.0





#5

Bromomethane

Concen: 124.053 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 169110

Ion Ratio Lower Upper

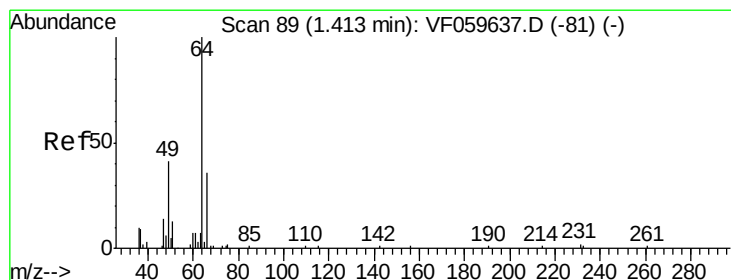
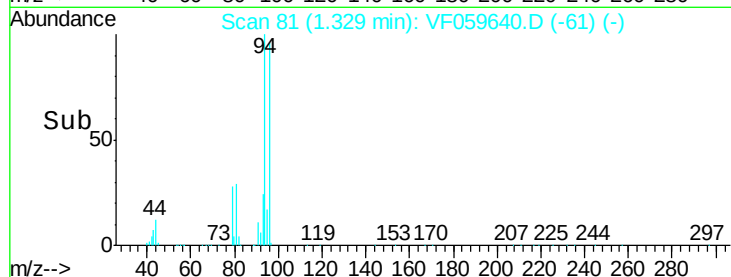
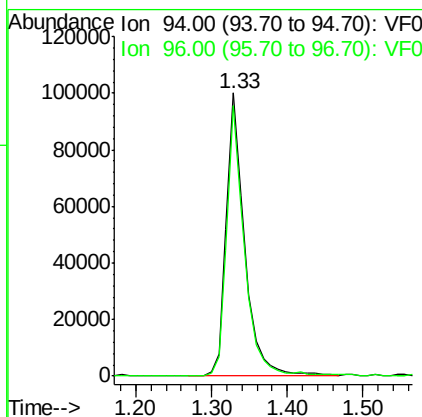
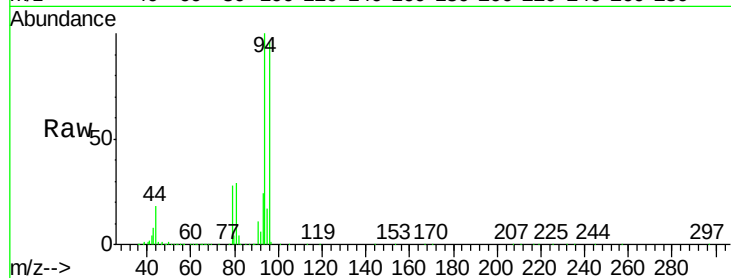
94 100

96 95.5 74.6 112.0

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#6

Chloroethane

Concen: 121.859 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059640.D

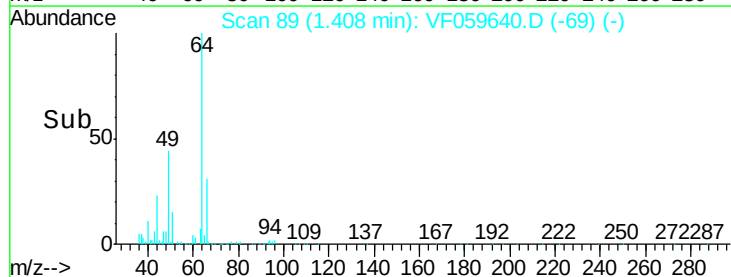
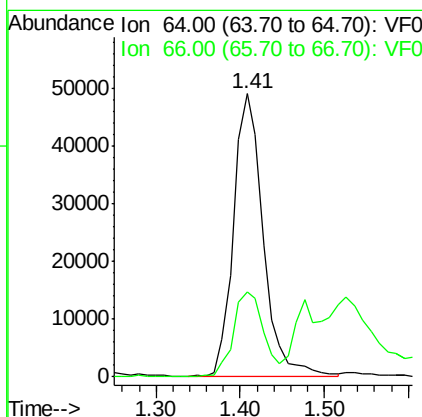
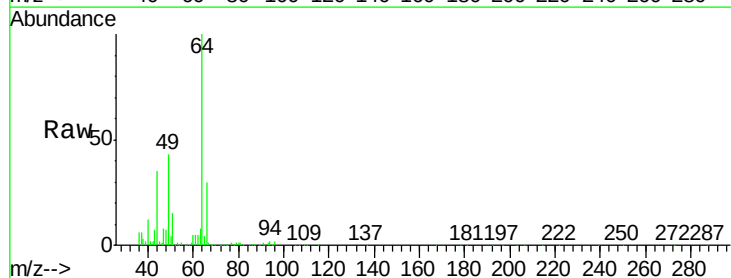
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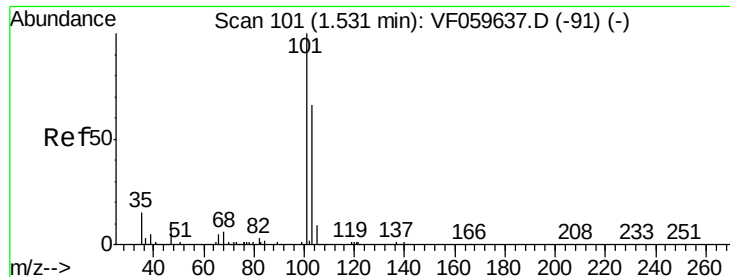
Tgt Ion: 64 Resp: 118934

Ion Ratio Lower Upper

64 100

66 29.9 29.0 43.6





#7

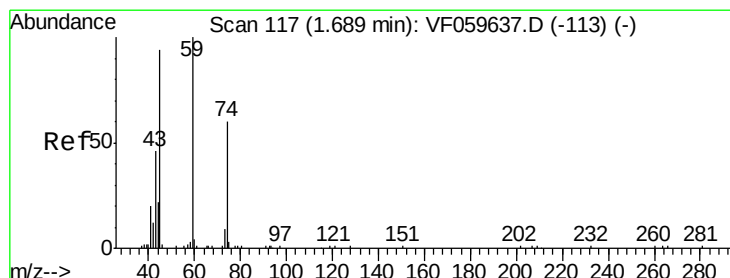
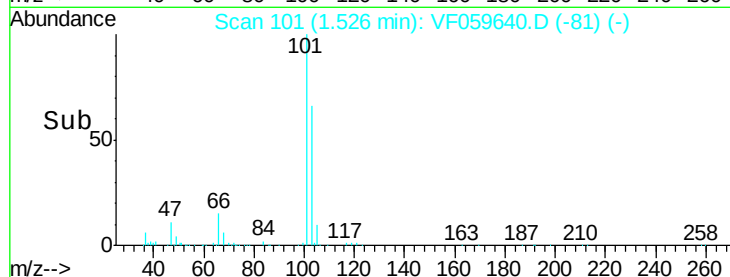
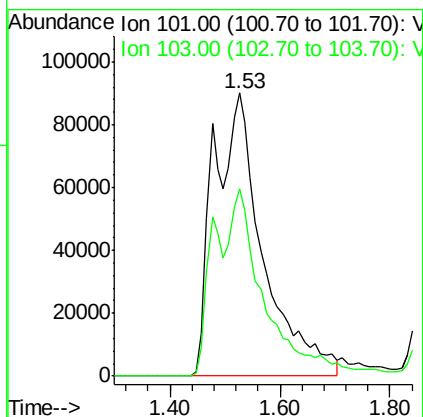
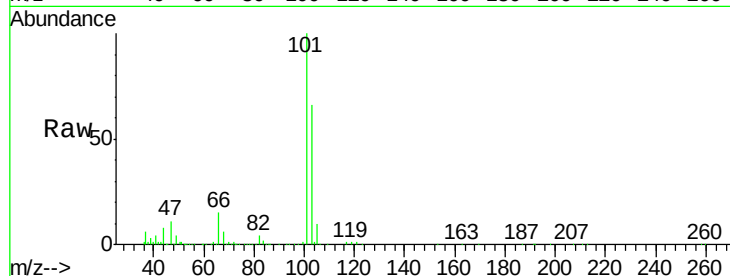
Trichlorofluoromethane
Concen: 128.988 ug/l m
RT: 1.53 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.1	52.5	78.7

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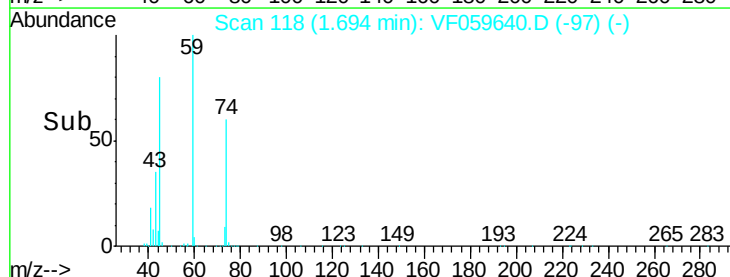
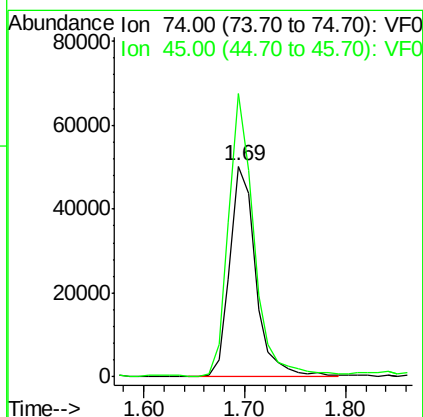
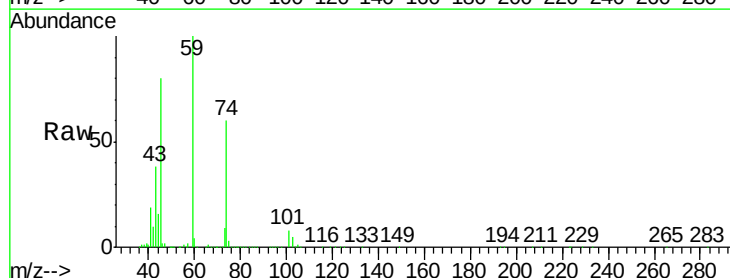
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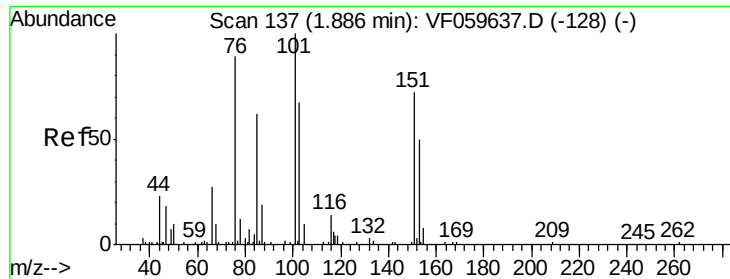


#8

Diethyl Ether
Concen: 148.110 ug/l
RT: 1.69 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	134.3	80.3	241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 130.307 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

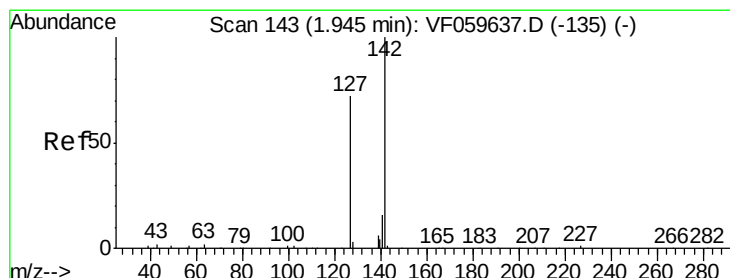
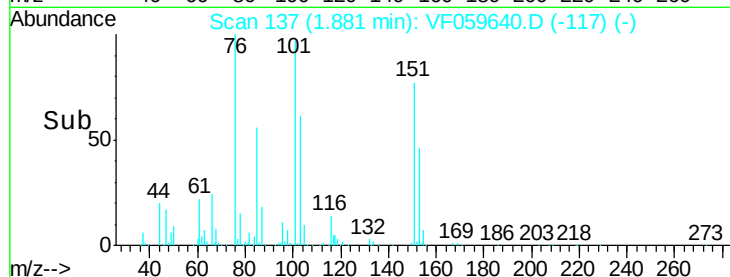
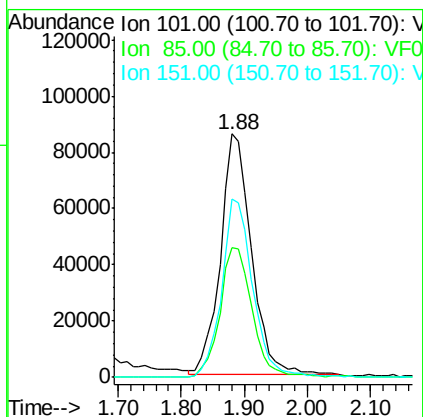
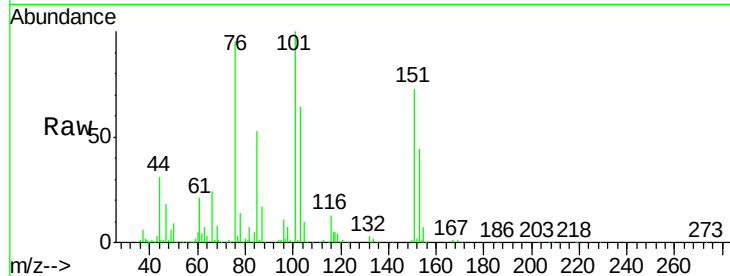
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	289323
Ion Ratio	Lower	Upper	
101	100		
85	53.1	49.0	73.4
151	73.0	56.8	85.2

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#10

Methyl Iodide

Concen: 131.361 ug/l

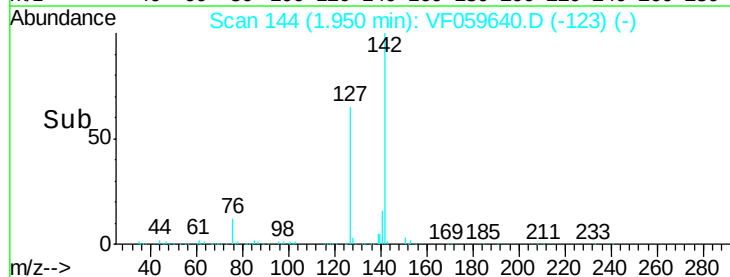
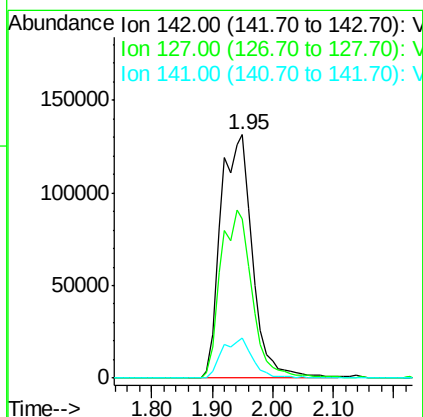
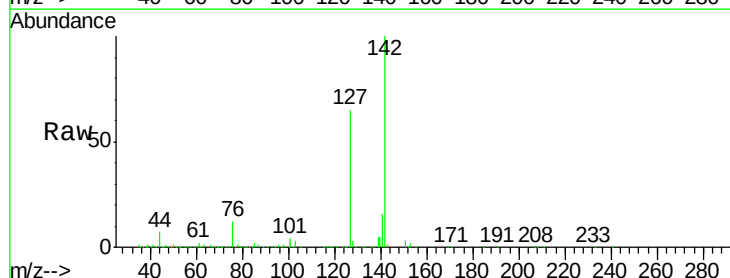
RT: 1.95 min Scan# 144

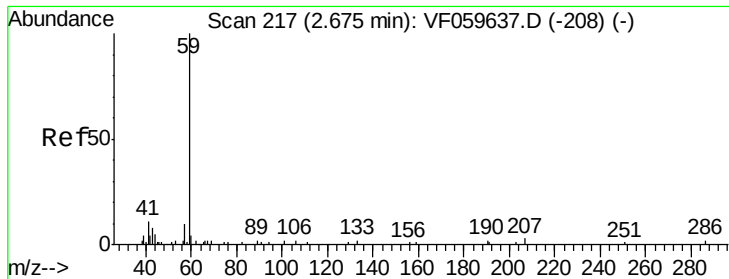
Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Tgt Ion:	142	Resp:	480336
Ion Ratio	Lower	Upper	
142	100		
127	65.3	57.5	86.3
141	16.3	13.2	19.8





#11

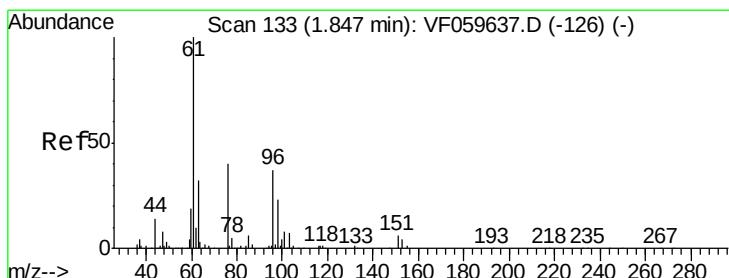
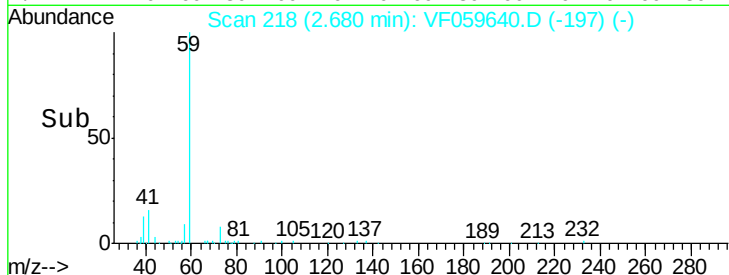
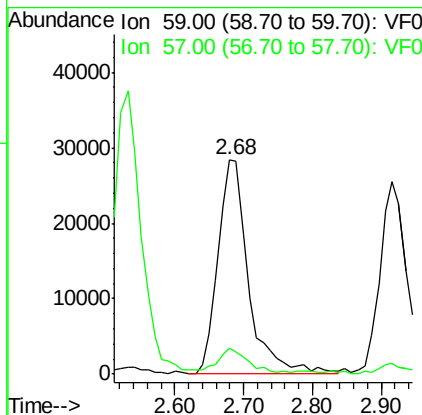
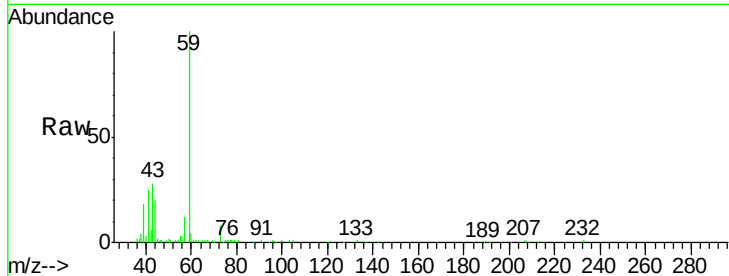
Tert butyl alcohol
 Concen: 567.365 ug/l
 RT: 2.68 min Scan# 218
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	59	Resp	87874
Ion Ratio	100	Lower	Upper
57	12.0	11.4	17.2

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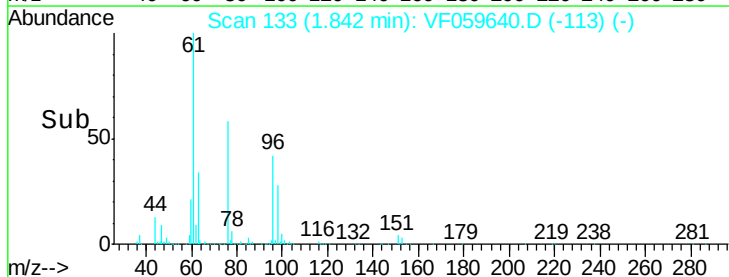
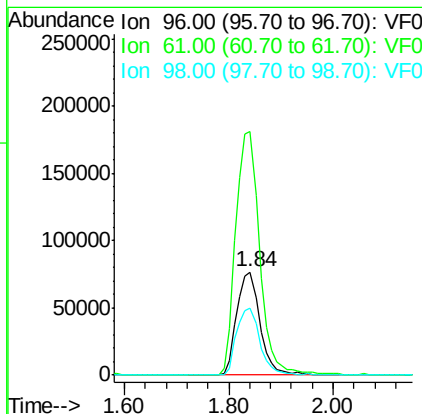
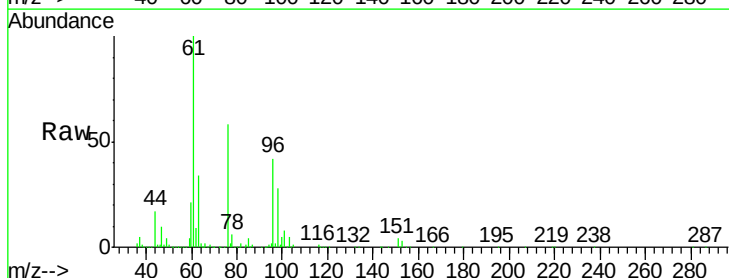
apatel
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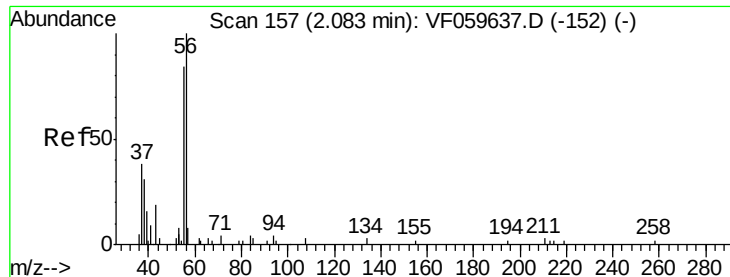


#12

1,1-Dichloroethene
 Concen: 134.042 ug/l
 RT: 1.84 min Scan# 133
 Delta R.T. -0.01 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Tgt Ion	96	Resp	232408
Ion Ratio	100	Lower	Upper
61	236.3	218.2	327.4
98	65.2	50.6	76.0





#13

Acrolein

Concen: 612.626 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 46579

Ion Ratio Lower Upper

56 100

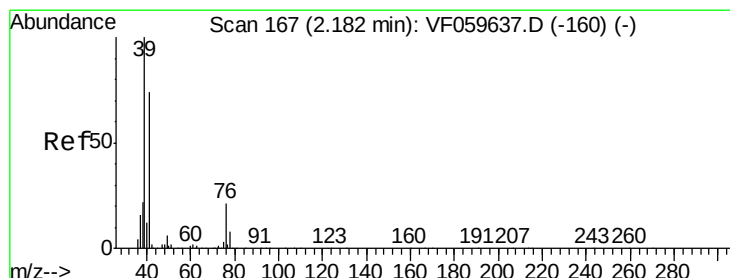
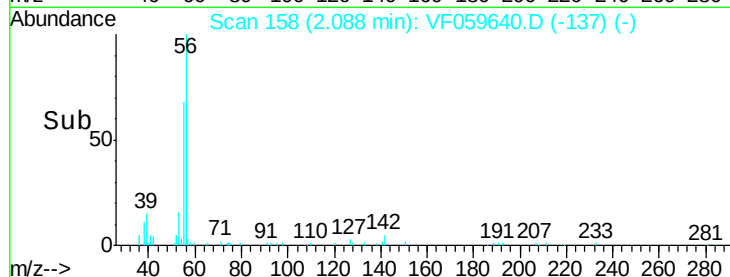
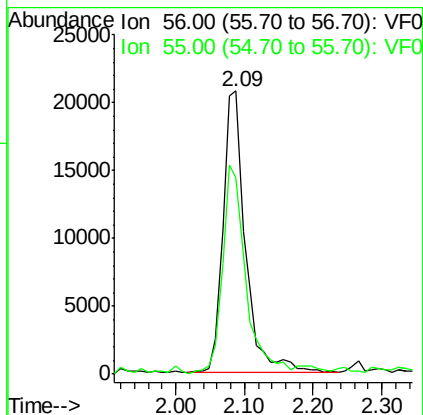
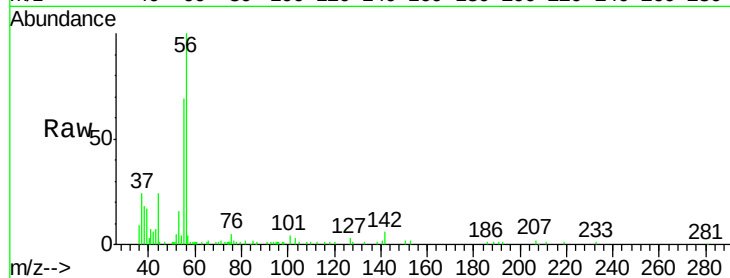
55 69.4 67.2 100.8

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#14

Allyl chloride

Concen: 131.152 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

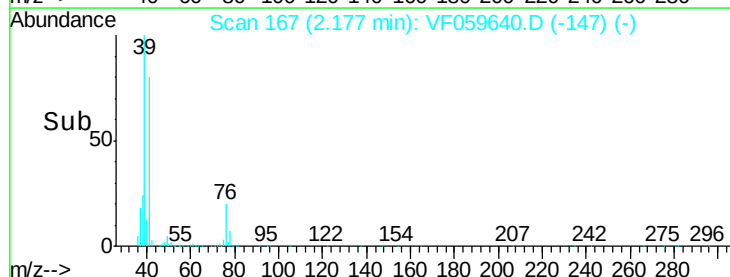
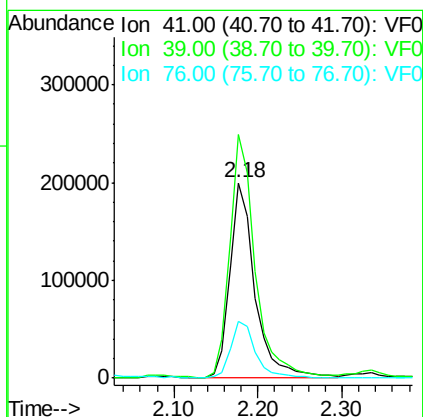
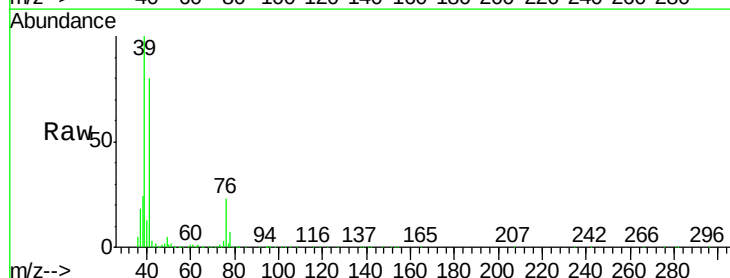
Tgt Ion: 41 Resp: 411456

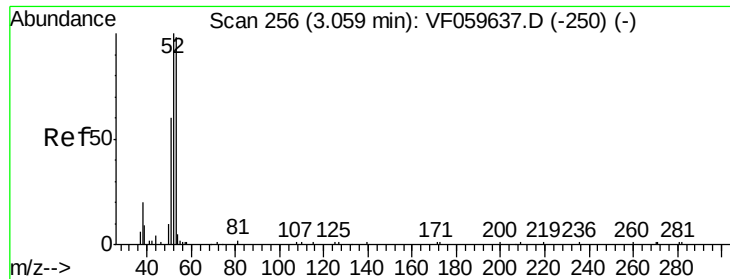
Ion Ratio Lower Upper

41 100

39 124.6 108.6 162.8

76 28.7 23.0 34.6





#15

Acrylonitrile

Concen: 610.196 ug/l

RT: 3.06 min Scan# 257

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

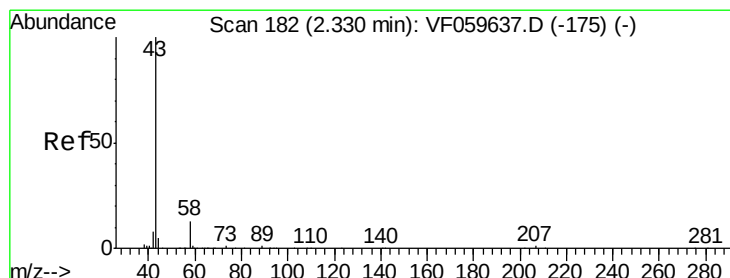
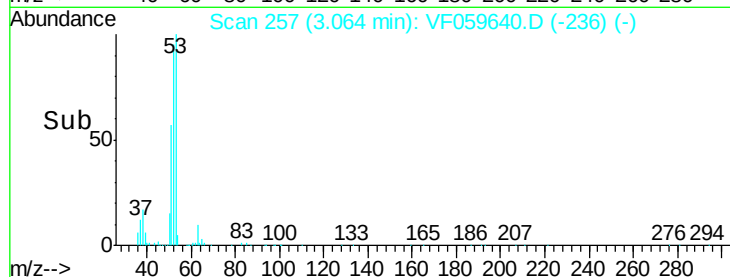
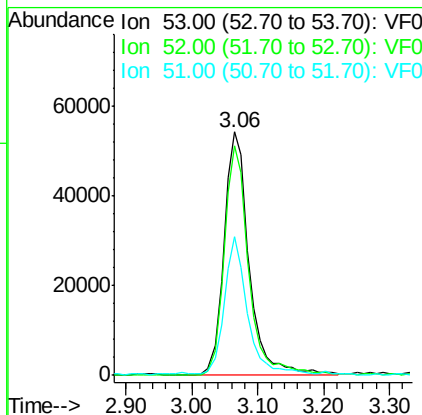
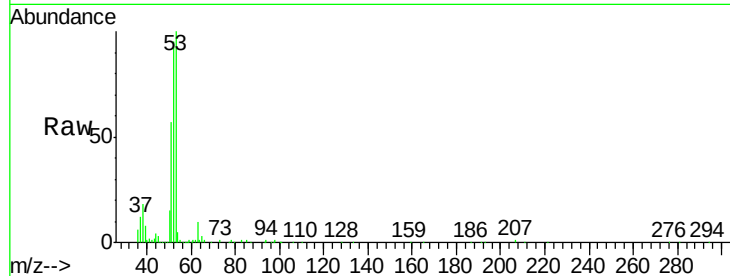
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	145953
Ion	Ratio	Lower	Upper
53	100		
52	94.5	80.9	121.3
51	57.0	49.4	74.2

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#16

Acetone

Concen: 460.046 ug/l

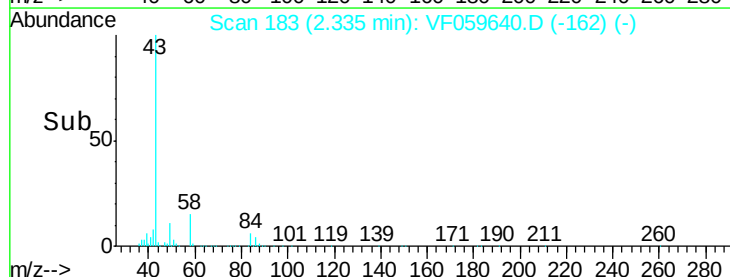
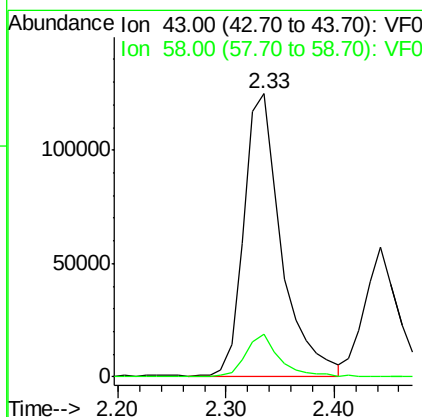
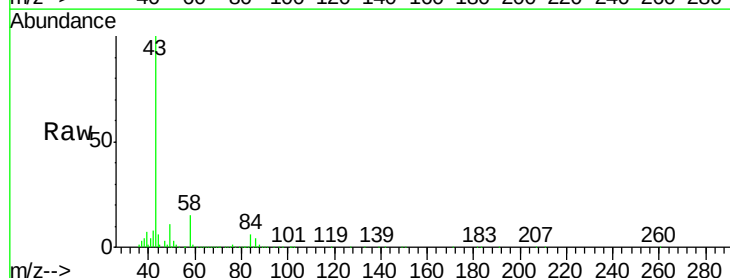
RT: 2.33 min Scan# 183

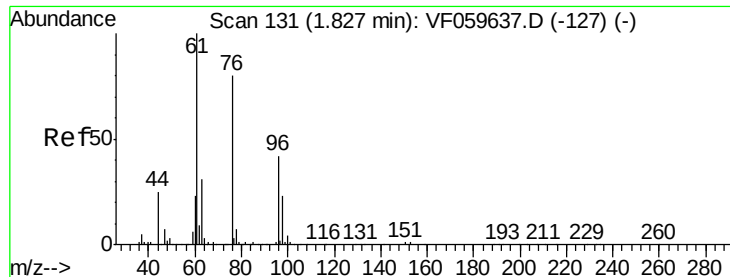
Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Tgt Ion:	43	Resp:	298320
Ion	Ratio	Lower	Upper
43	100		
58	15.2	10.2	15.2#





#17

Carbon Disulfide

Concen: 126.484 ug/l

RT: 1.83 min Scan# 132

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 570042

Ion Ratio Lower Upper

76 100

78 9.6

7.0

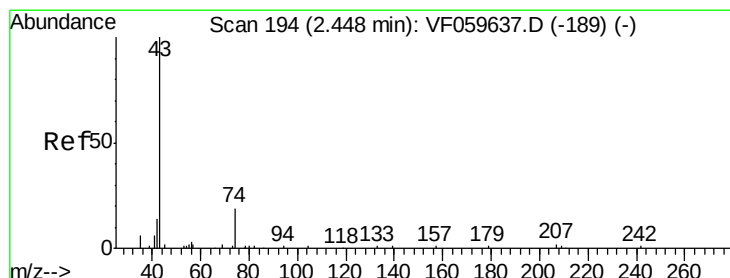
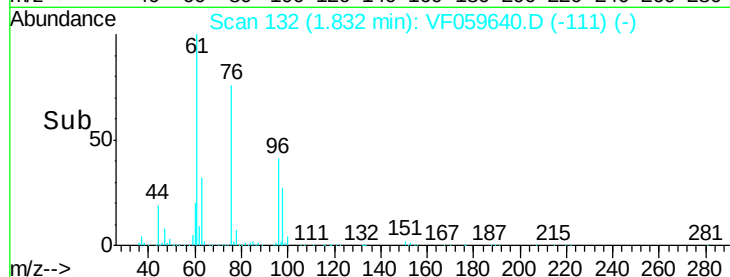
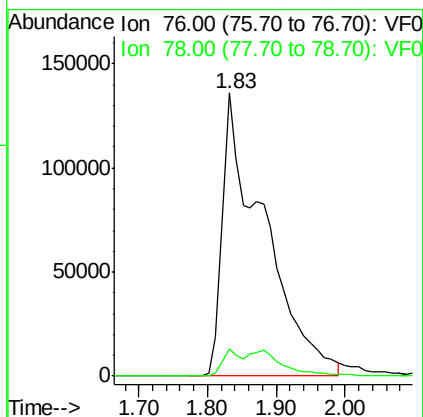
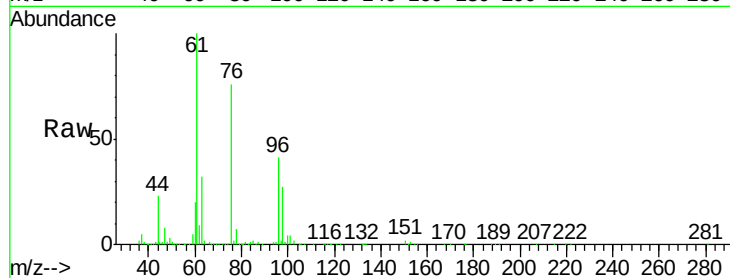
10.6

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#18

Methyl Acetate

Concen: 106.785 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Tgt Ion: 43 Resp: 117478

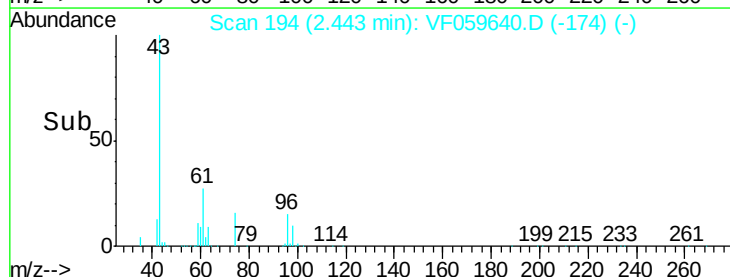
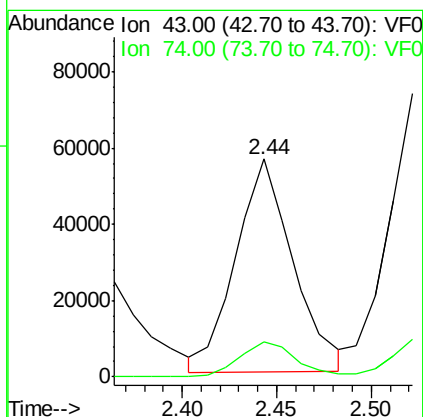
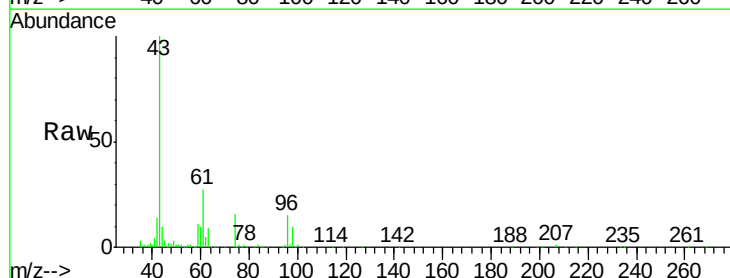
Ion Ratio Lower Upper

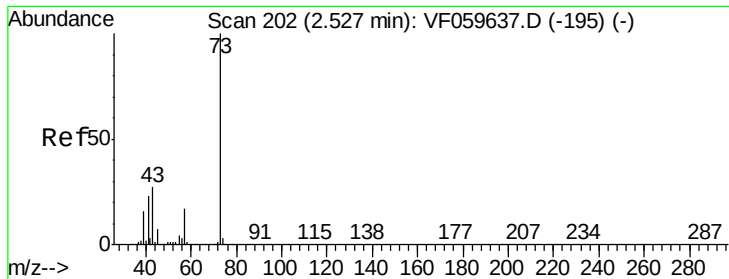
43 100

74 15.9

13.0

19.6





#19

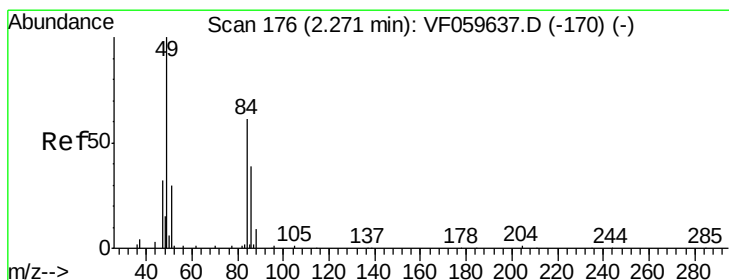
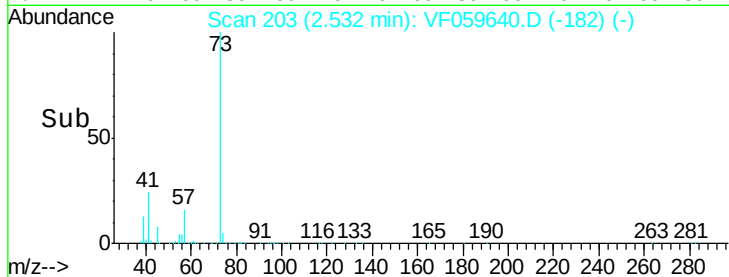
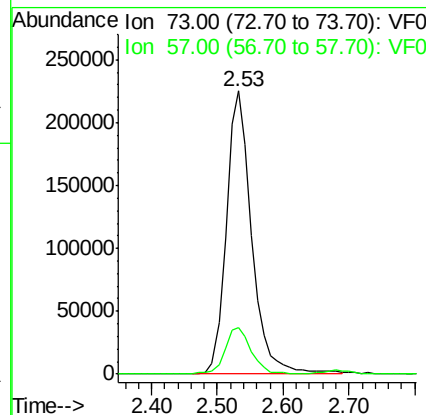
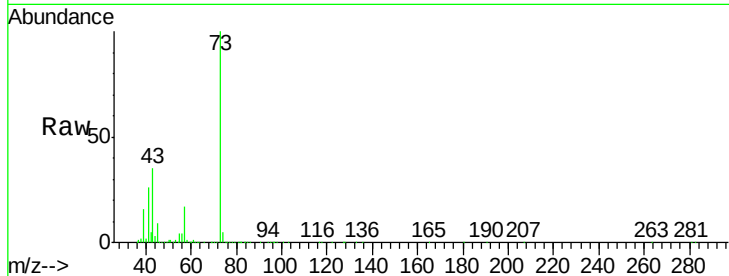
Methyl tert-butyl Ether
 Concen: 120.588 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
73	100		
57	16.7	14.2	21.4

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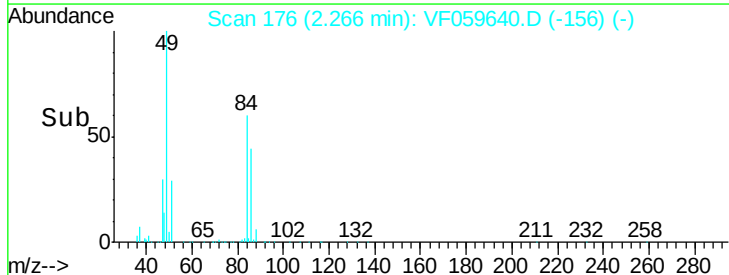
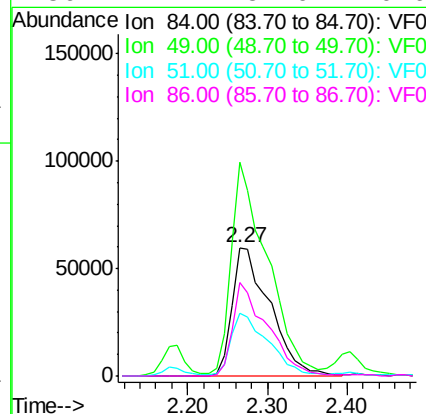
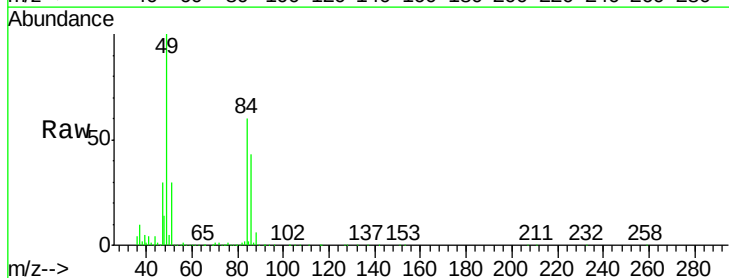
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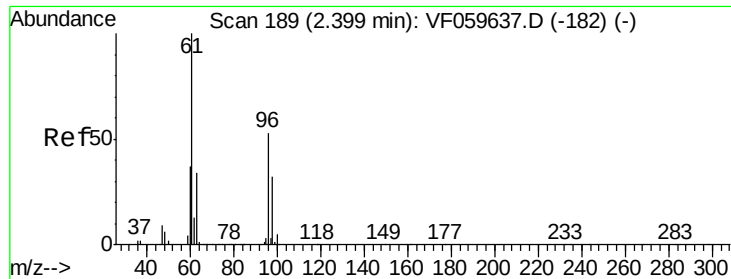


#20

Methylene Chloride
 Concen: 100.503 ug/l
 RT: 2.27 min Scan# 176
 Delta R.T. -0.01 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	166.2	133.8	200.8
51	49.1	41.1	61.7
86	72.2	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 129.741 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

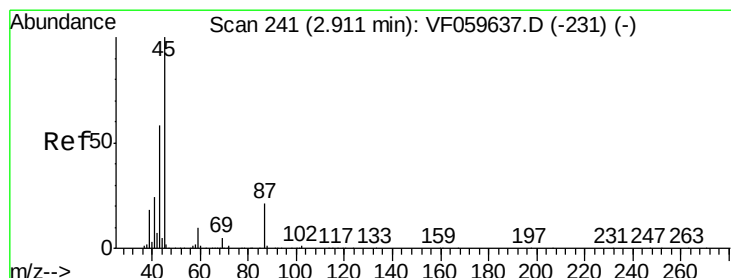
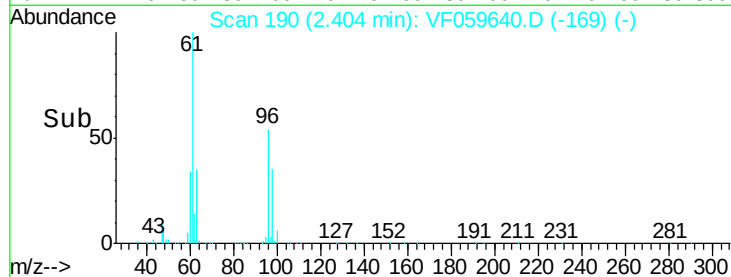
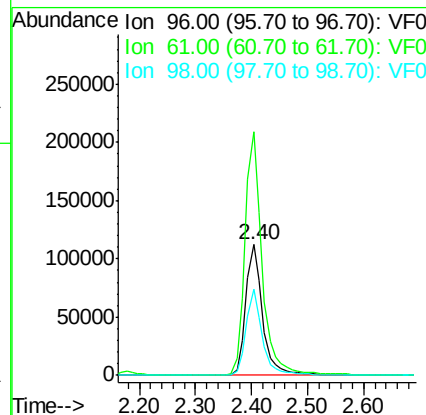
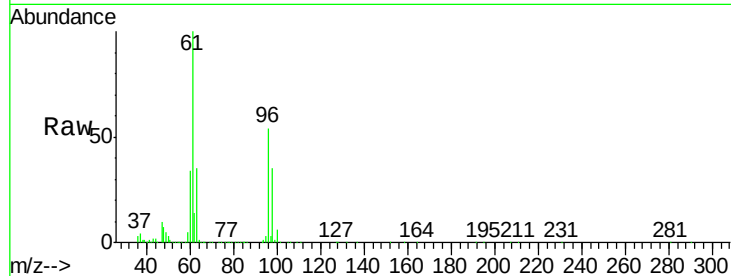
ClientSampleId :

VSTDIC150

Tot Ion:	96	Resp:	233404
Ion Ratio	Lower	Upper	
96	100		
61	186.8	151.4	227.2
98	65.7	49.0	73.6

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#22

Diisopropyl ether

Concen: 130.859 ug/l

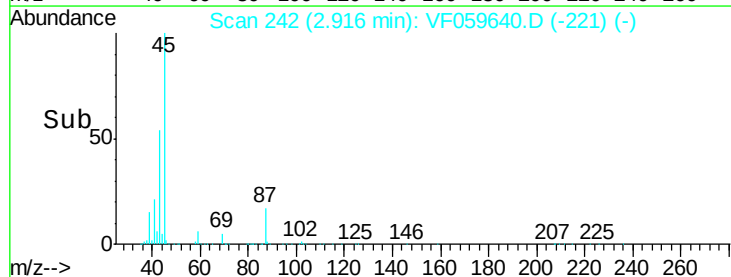
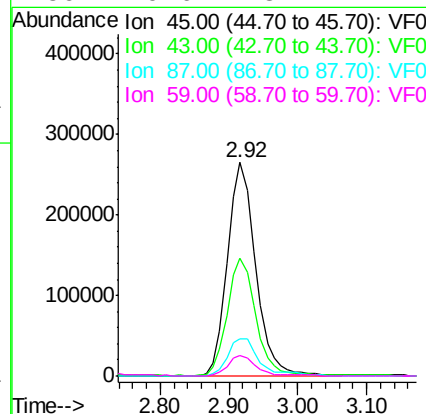
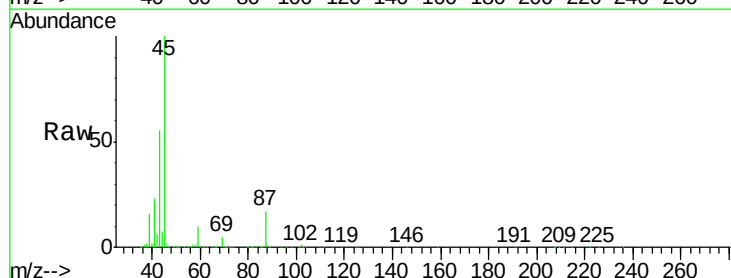
RT: 2.92 min Scan# 242

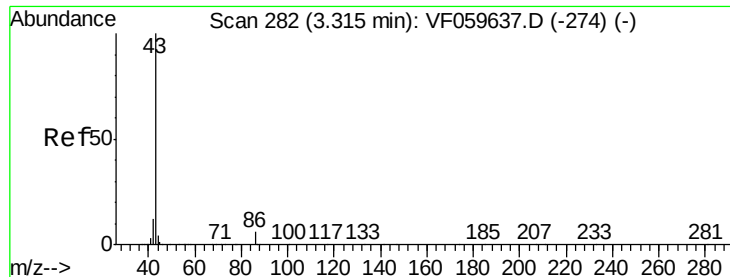
Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Tgt Ion:	45	Resp:	750632
Ion Ratio	Lower	Upper	
45	100		
43	55.4	46.5	69.7
87	17.3	16.5	24.7
59	9.6	8.2	12.2





#23

Vinyl Acetate

Concen: 605.593 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1731156

Ion Ratio Lower Upper

43 100

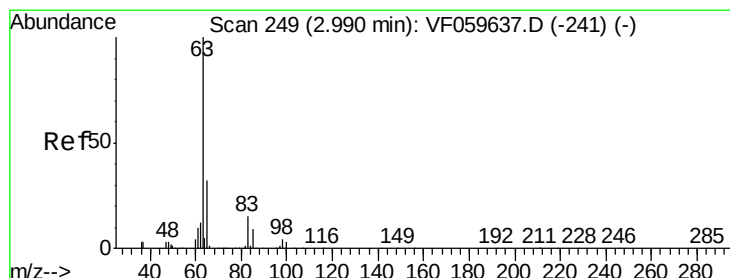
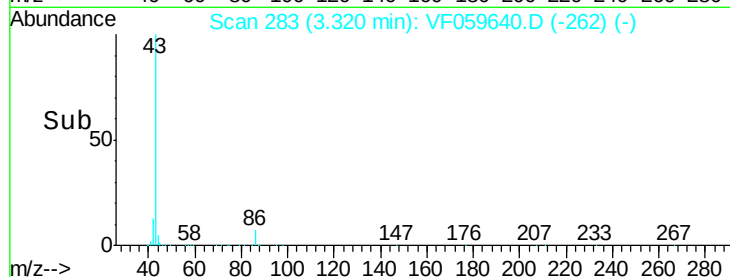
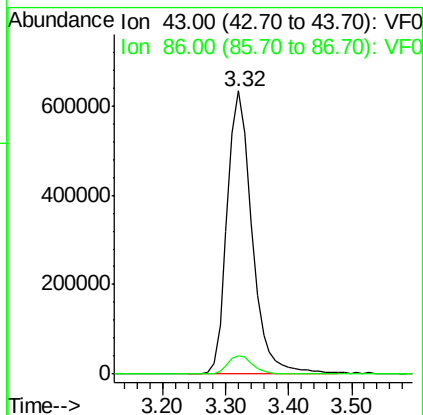
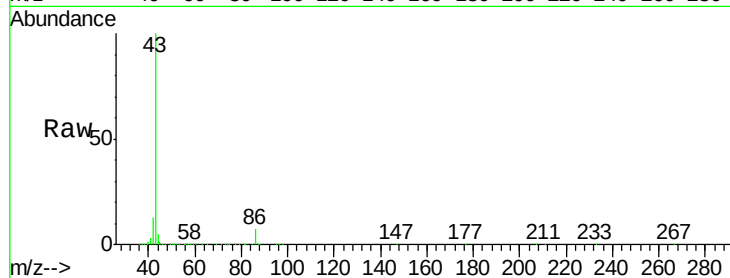
86 6.5 4.5 6.7

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#24

1,1-Dichloroethane

Concen: 126.257 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

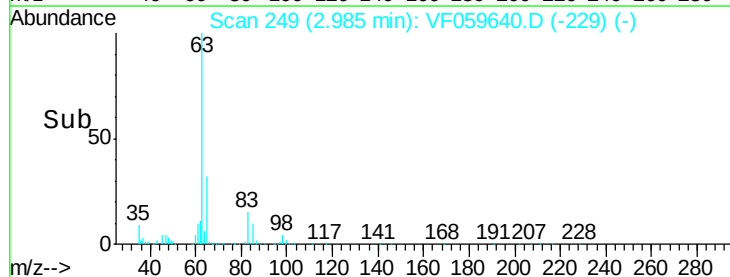
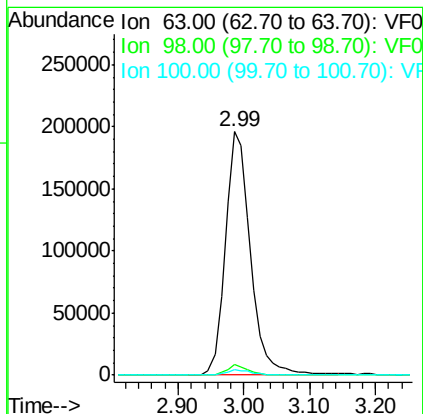
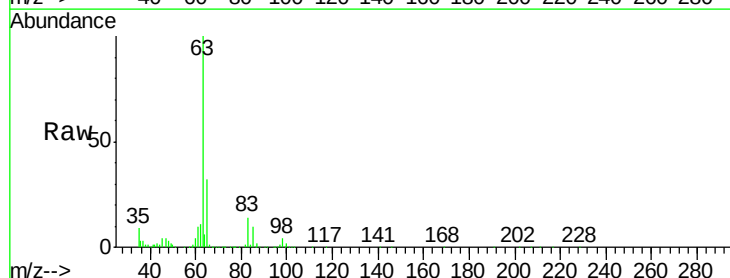
Tgt Ion: 63 Resp: 521685

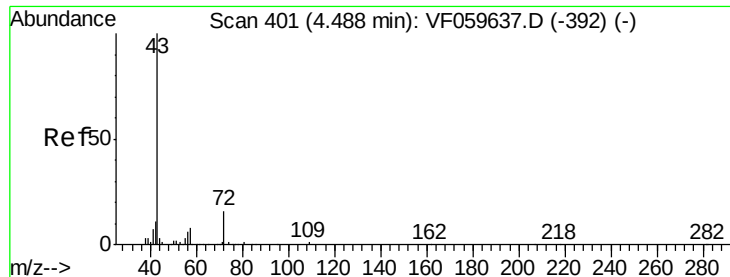
Ion Ratio Lower Upper

63 100

98 4.2 1.8 5.5

100 2.2 1.3 3.9





#25

2-Butanone

Concen: 569.144 ug/l

RT: 4.49 min Scan# 402

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 385280

Ion Ratio Lower Upper

43 100

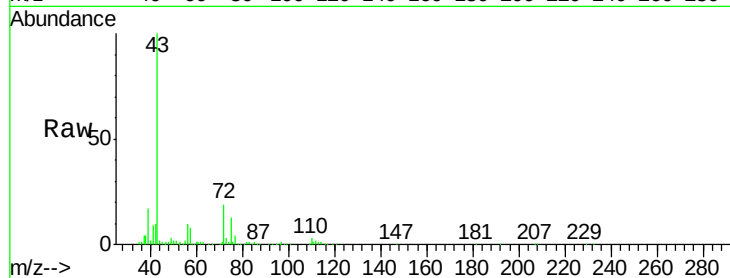
72 19.4 13.5 20.3

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

120000

100000

80000

60000

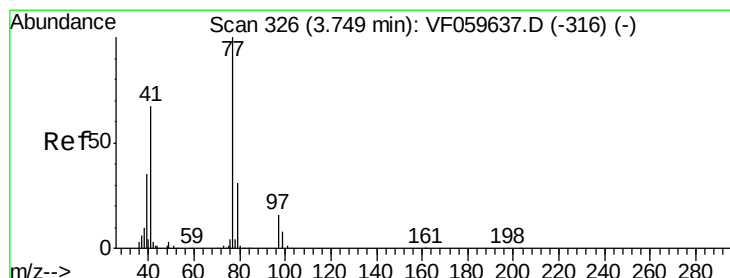
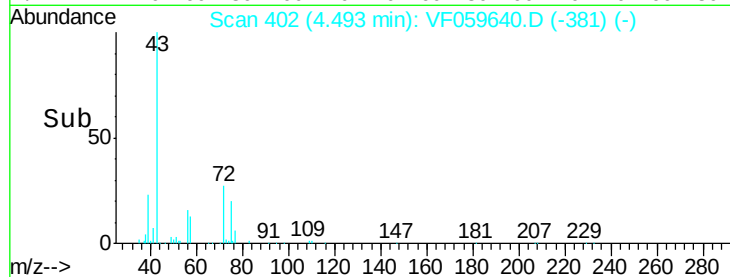
40000

20000

0

4.40 4.50 4.60

Time-->



#26

2,2-Dichloropropane

Concen: 118.080 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF059640.D

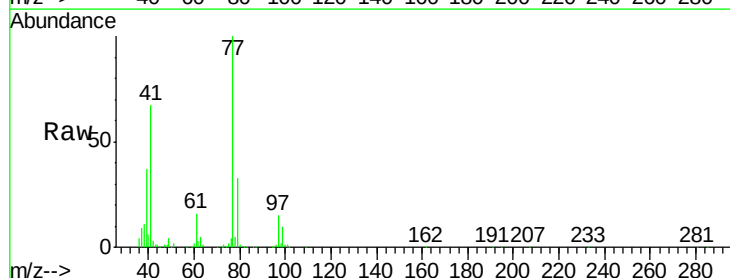
Acq: 24 Jul 2018 18:54

Tgt Ion: 77 Resp: 406189

Ion Ratio Lower Upper

77 100

97 15.4 7.8 23.3



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

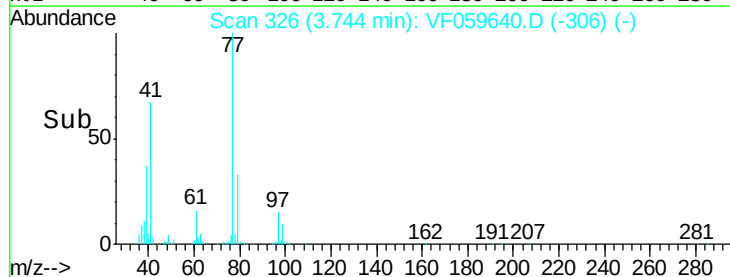
100000

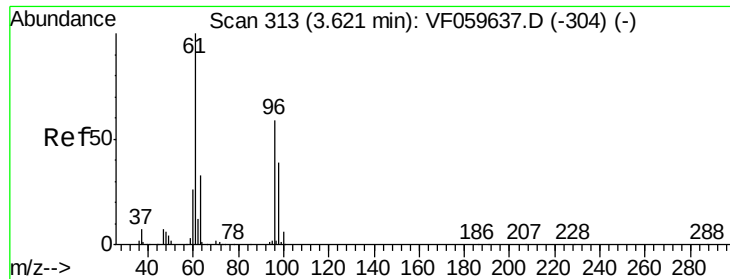
50000

0

3.60 3.70 3.80 3.90 4.00

Time-->





#27

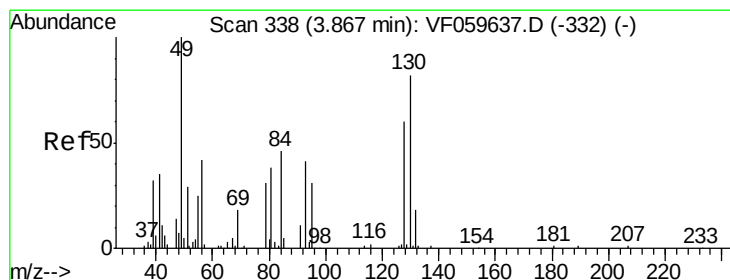
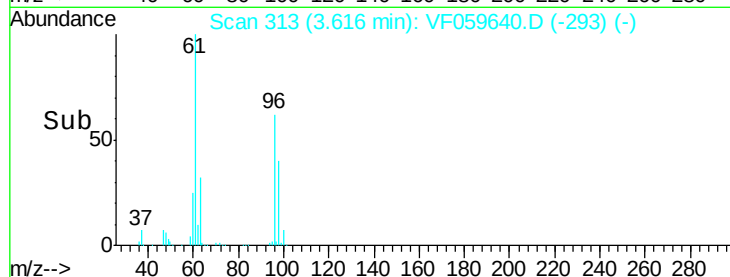
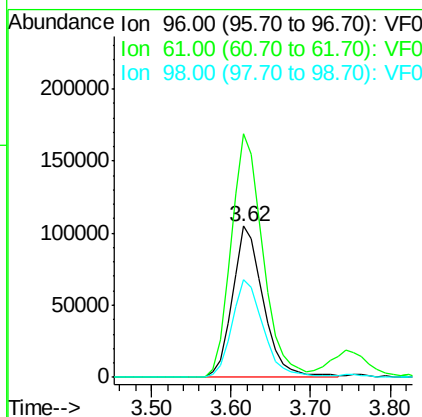
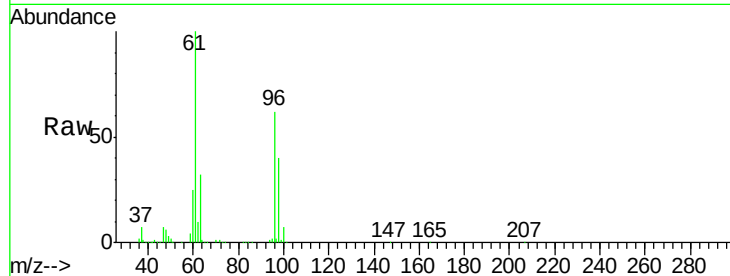
cis-1,2-Dichloroethene
Concen: 137.238 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	283318		
61	161.1	0.0	337.4	
98	64.5	0.0	132.8	

Manual Integrations
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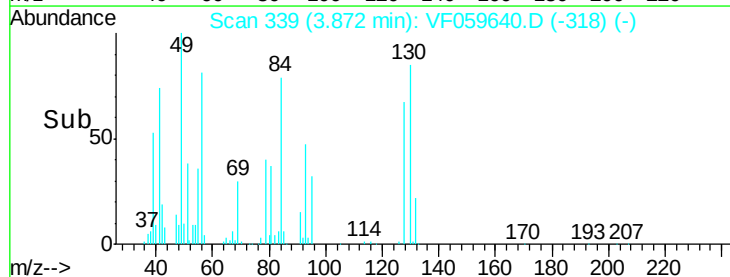
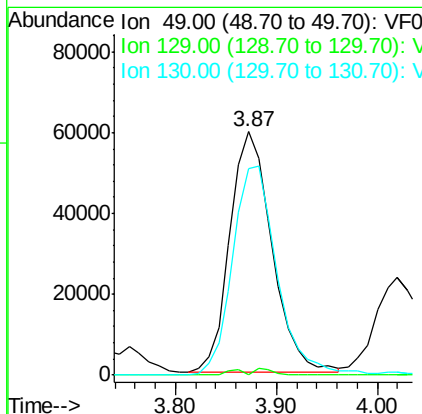
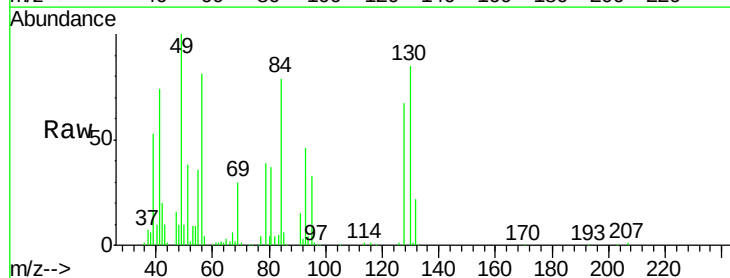
apatel
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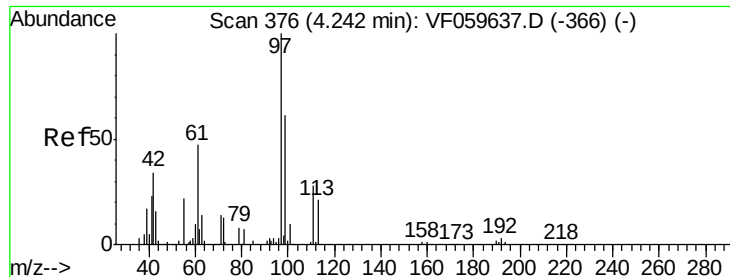


#28

Bromochloromethane
Concen: 114.748 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	174248		
129	0.0	0.0	4.6	
130	84.9	65.0	97.4	





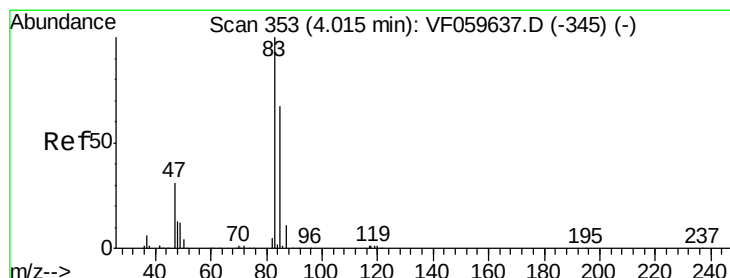
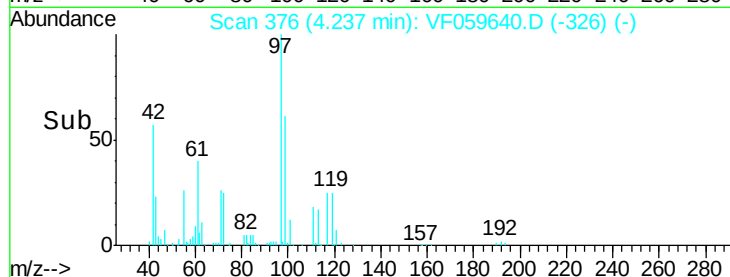
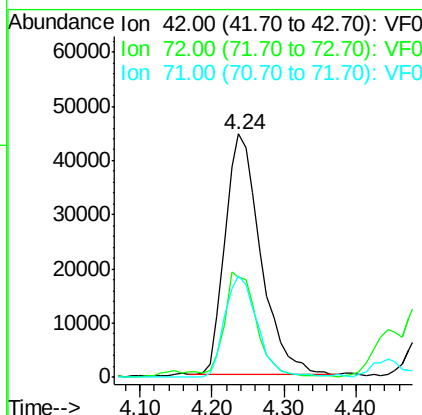
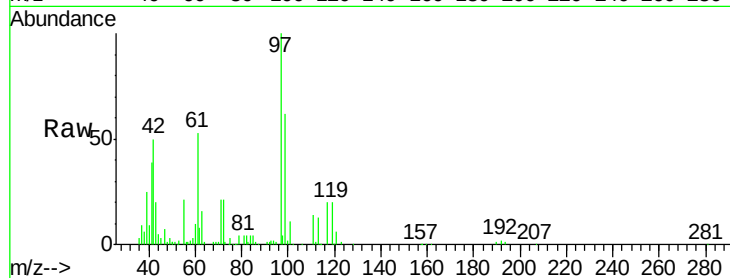
#29
Tetrahydrofuran
Concen: 555.489 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	39.2	30.0	45.0	
71	39.1	28.6	42.8	

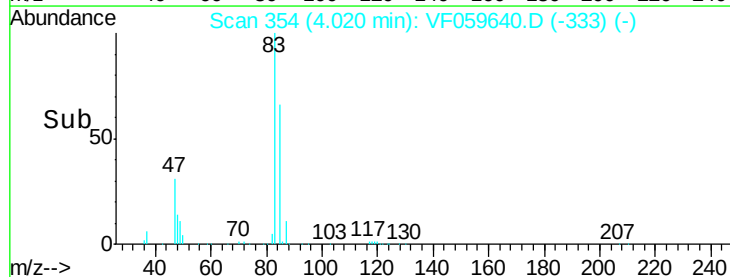
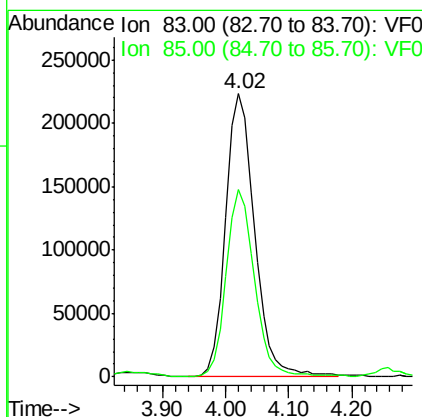
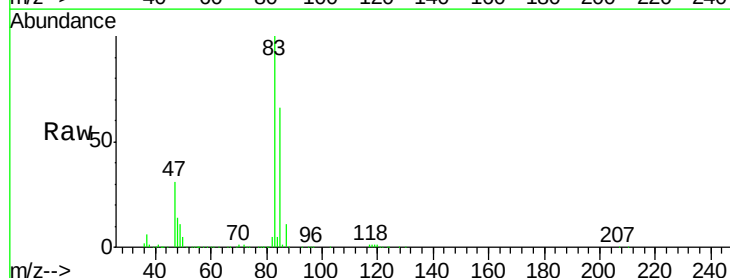
Manual Integrations
APPROVED

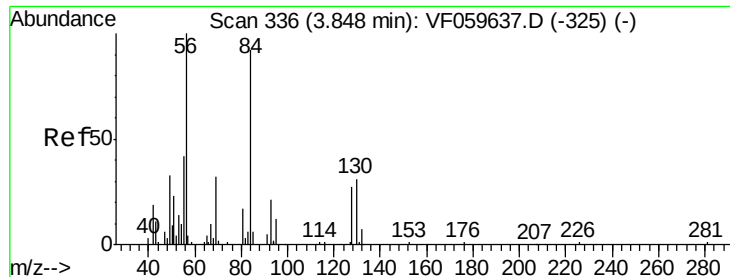
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#30
Chloroform
Concen: 124.972 ug/l
RT: 4.02 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	66.2	53.8	80.8	





#31

Cyclohexane

Concen: 134.469 ug/l

RT: 3.85 min Scan# 337

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

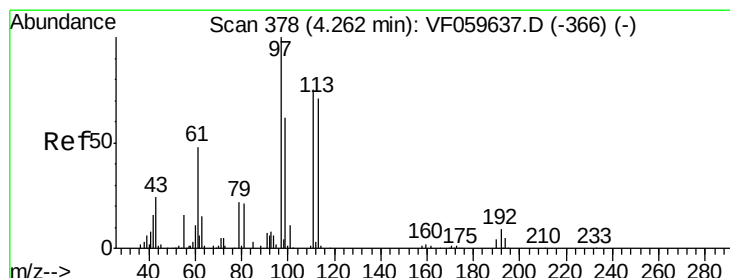
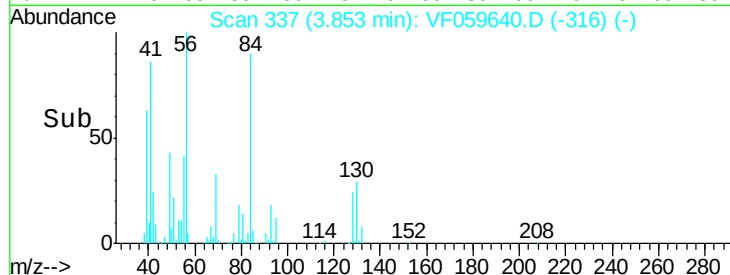
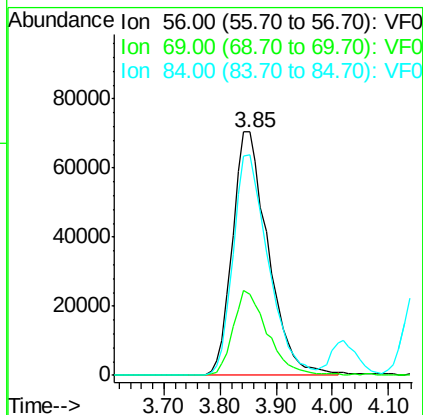
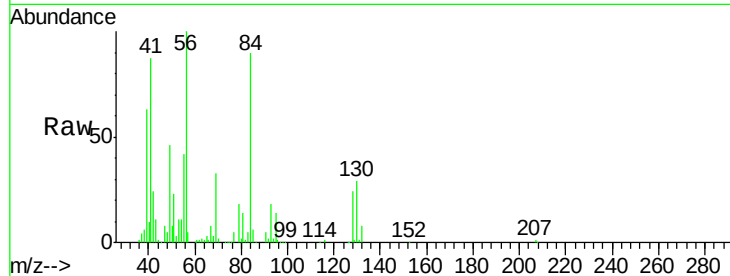
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	311472
Ion Ratio	Lower	Upper	
56	100		
69	33.3	26.0	39.0
84	90.5	73.5	110.3

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 117.125 ug/l

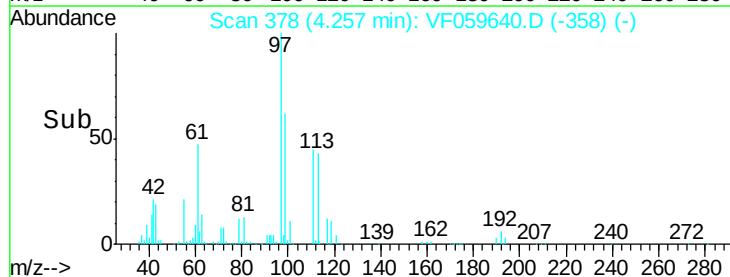
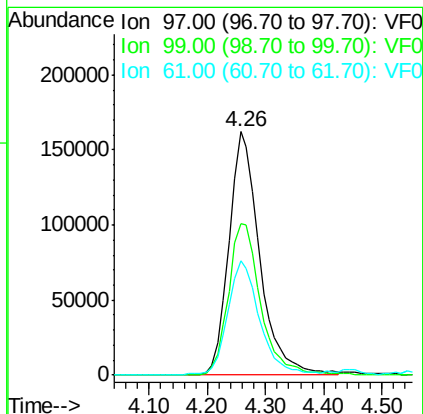
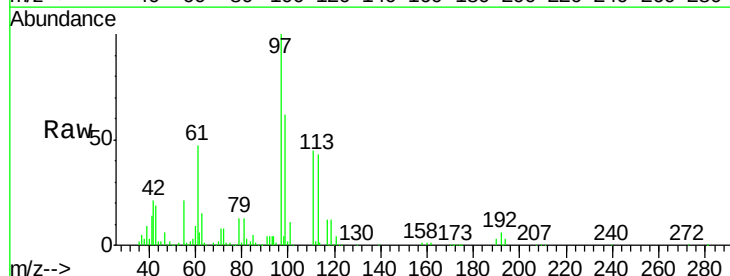
RT: 4.26 min Scan# 378

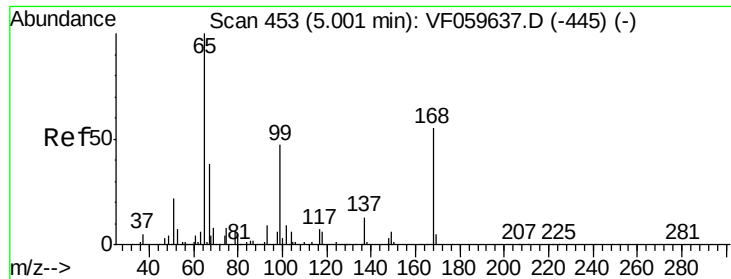
Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Tgt Ion:	97	Resp:	597575
Ion Ratio	Lower	Upper	
97	100		
99	62.4	49.8	74.6
61	47.0	38.9	58.3





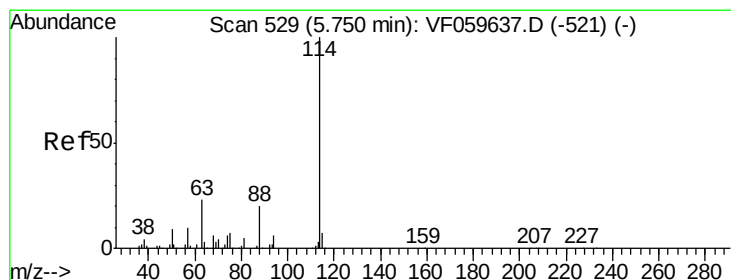
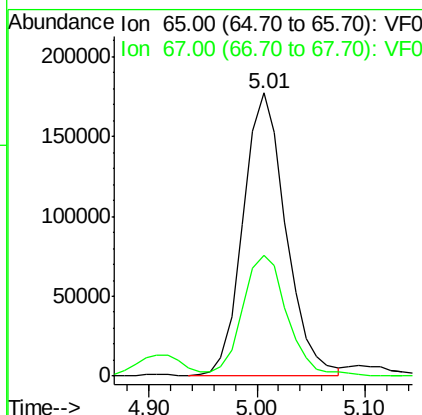
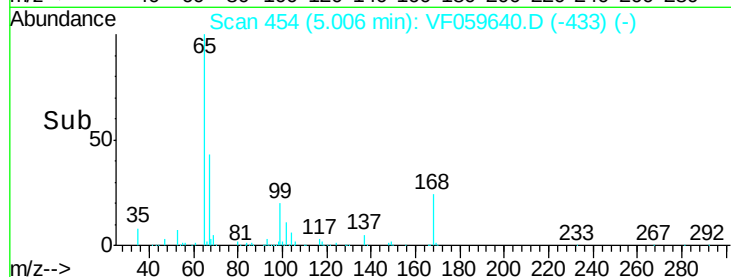
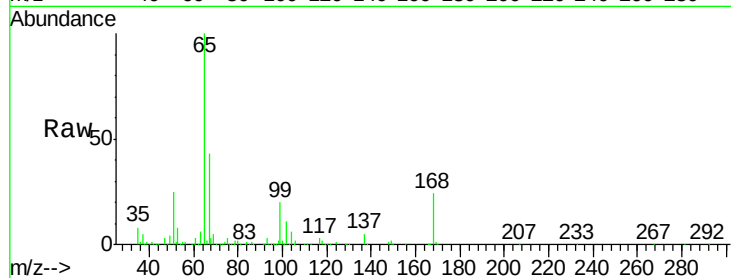
#33
 1,2-Dichloroethane-d4
 Concen: 126.040 ug/l
 RT: 5.01 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	42.8	0.0	86.6

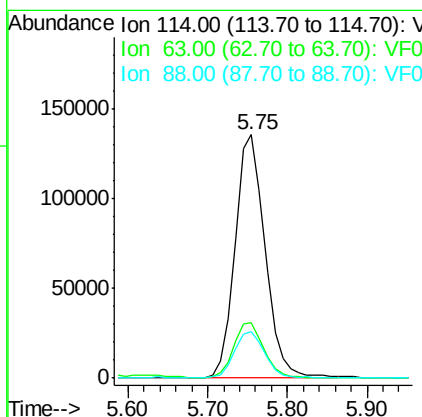
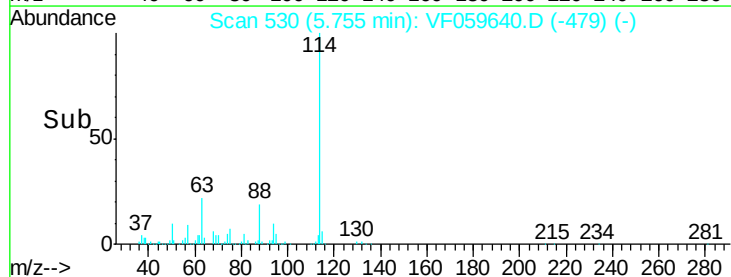
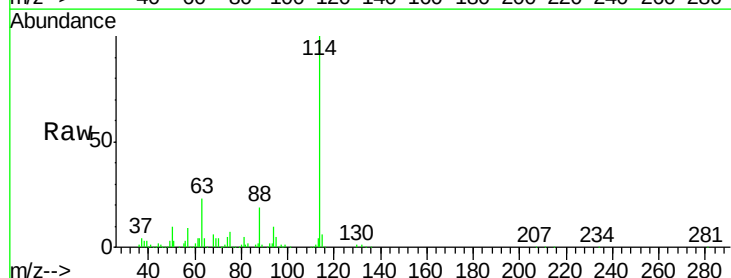
Manual Integrations
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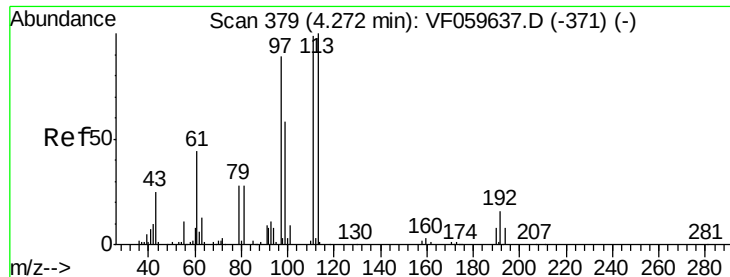
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	45.6
88	19.1	0.0	40.8





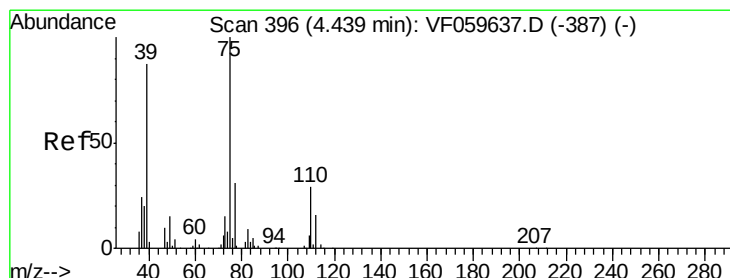
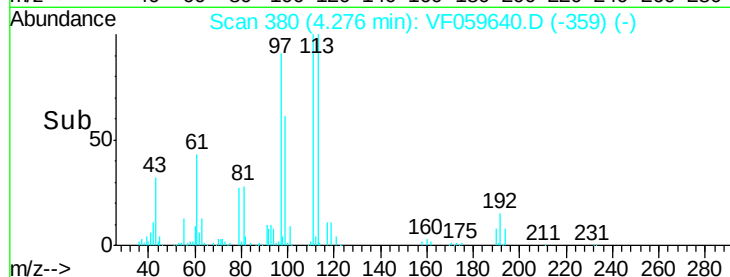
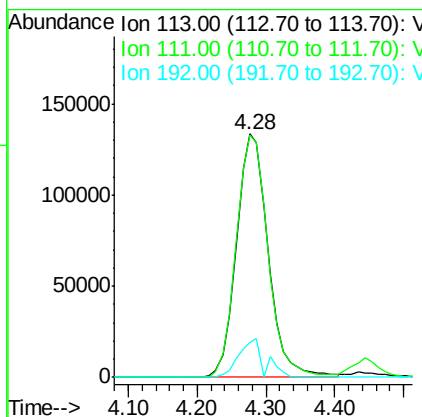
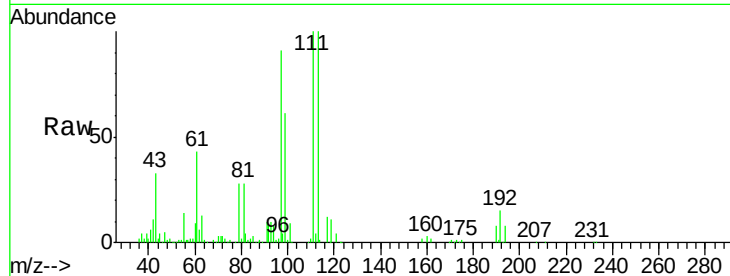
#35
Dibromofluoromethane
Concen: 130.917 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	425146		
111	99.7	79.3	118.9	
192	14.5	13.4	20.2	

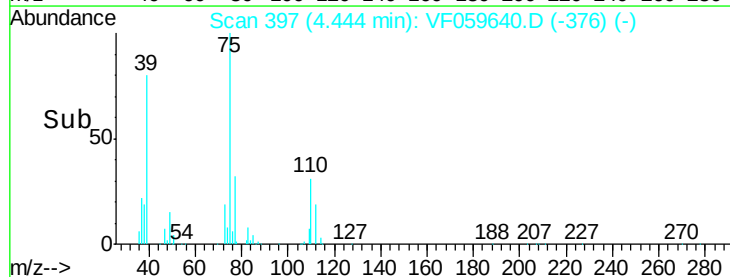
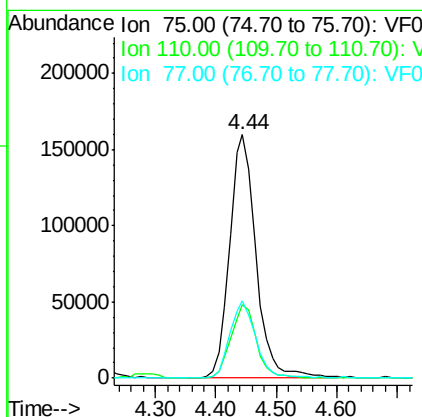
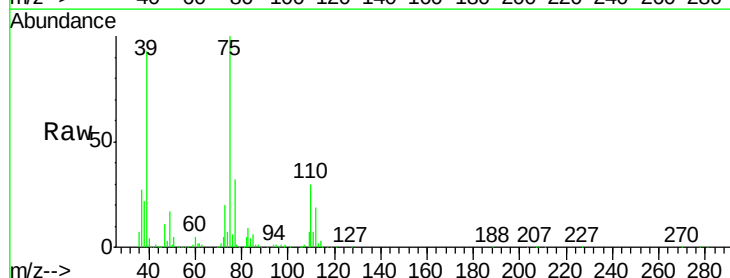
Manual Integrations
APPROVED

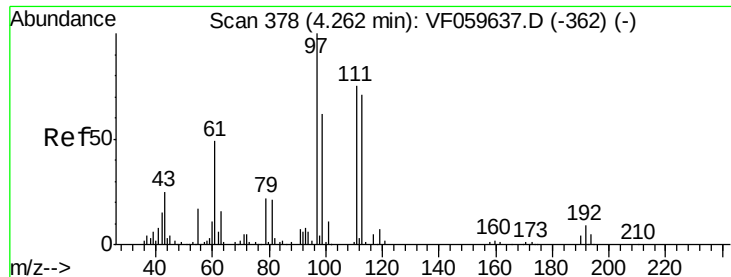
apatel
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#36
1,1-Dichloropropene
Concen: 134.533 ug/l
RT: 4.44 min Scan# 397
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	480195		
110	30.3	14.6	43.8	
77	31.6	24.4	36.6	





#37

Ethyl Acetate

Concen: 121.357 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

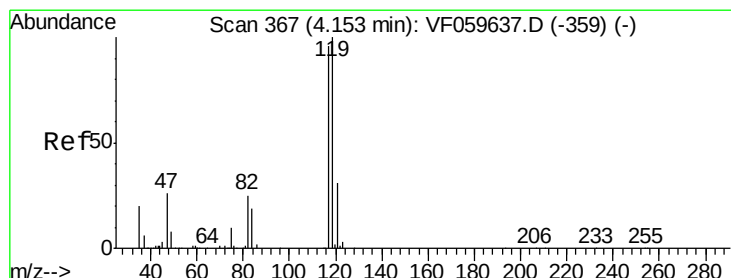
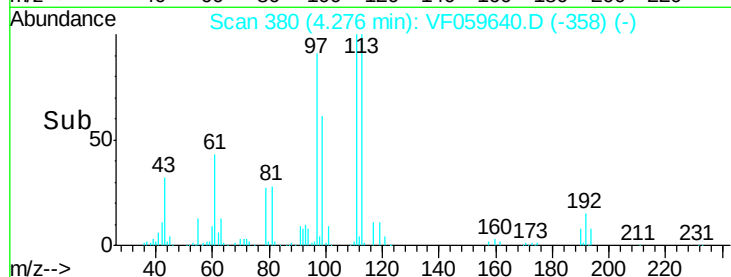
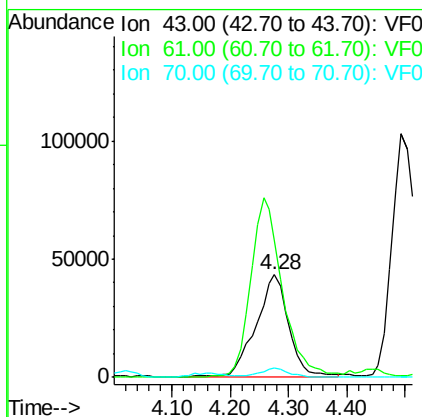
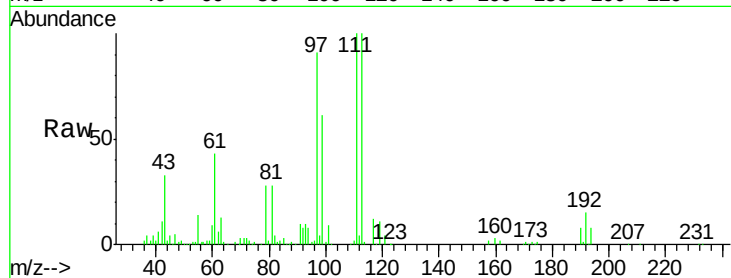
VSTDIC150

Tot Ion: 43 Resp: 170457

Ion	Ratio	Lower	Upper
43	100		
61	133.3	156.6	234.8#
70	9.3	7.3	10.9

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 120.177 ug/l

RT: 4.16 min Scan# 368

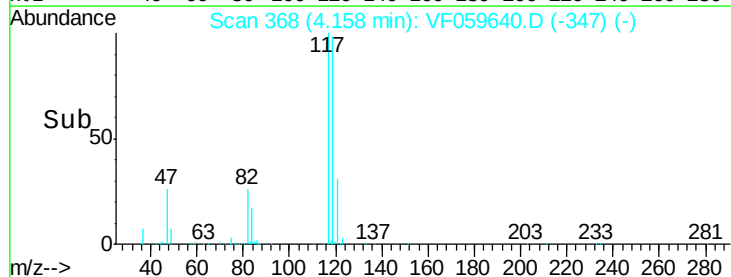
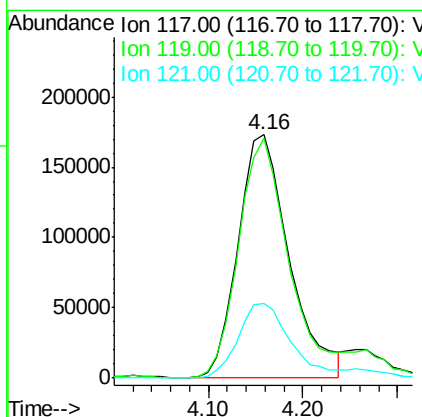
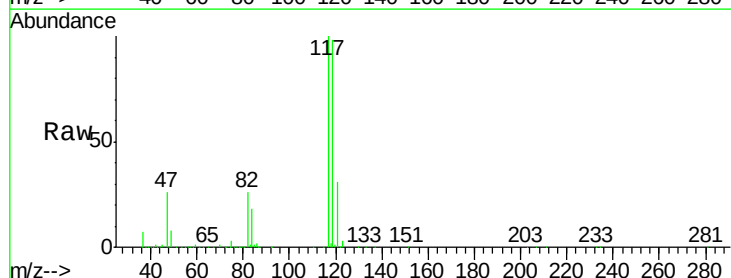
Delta R.T. 0.00 min

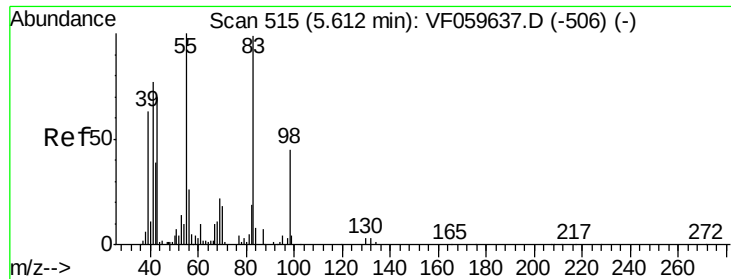
Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Tgt Ion: 117 Resp: 649289

Ion	Ratio	Lower	Upper
117	100		
119	98.2	83.0	124.6
121	30.6	26.2	39.4





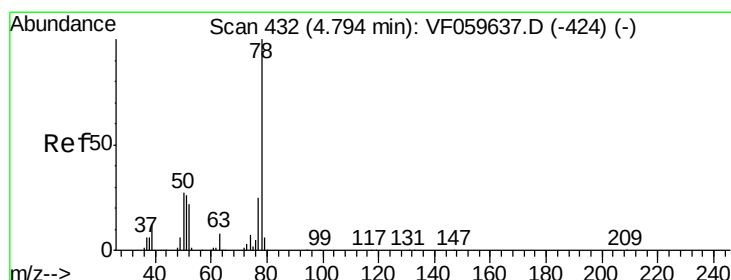
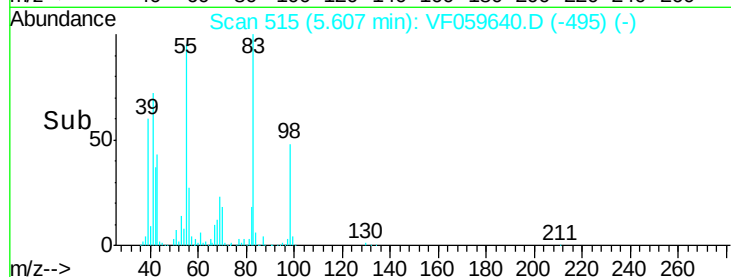
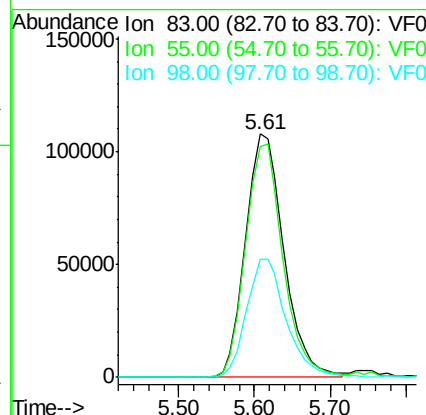
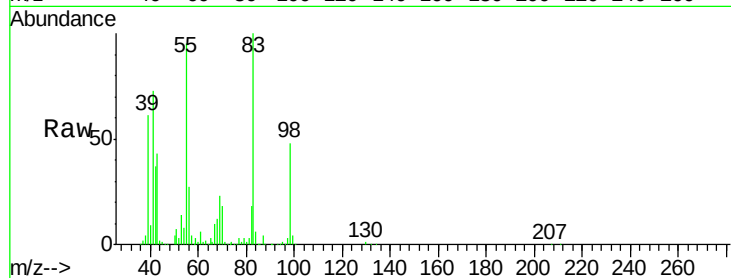
#39
Methylvlcyclohexane
Concen: 132.618 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.01 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.8	81.5	122.3
98	48.3	36.7	55.1

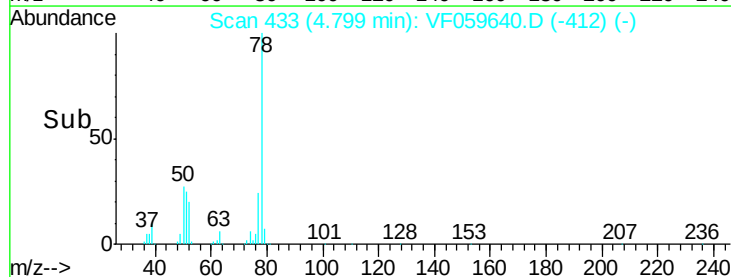
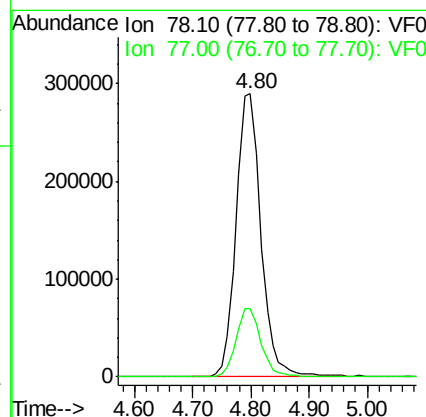
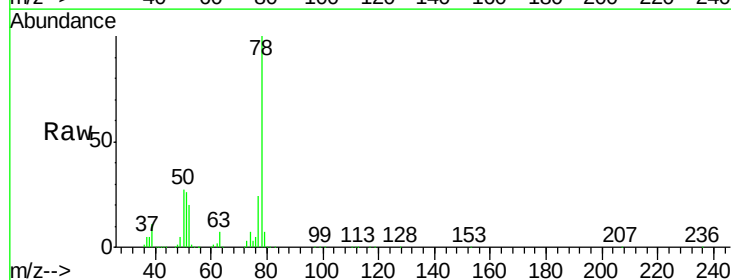
Manual Integrations
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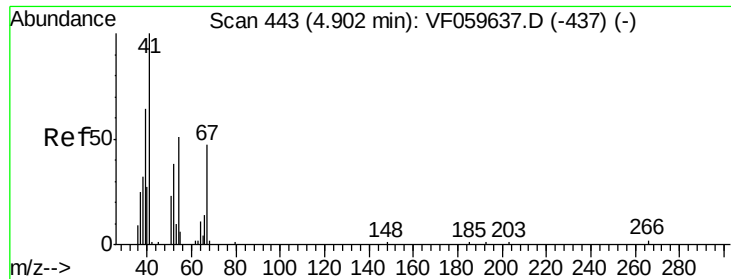
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#40
Benzene
Concen: 132.276 ug/l
RT: 4.80 min Scan# 433
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.8	29.6





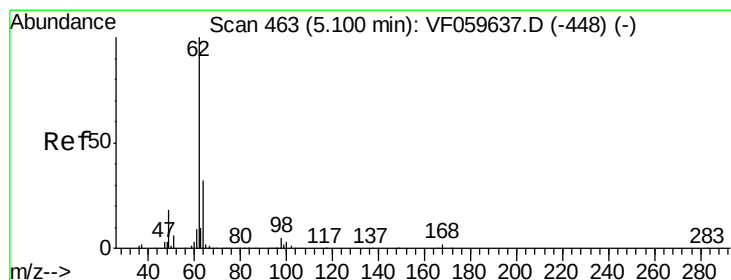
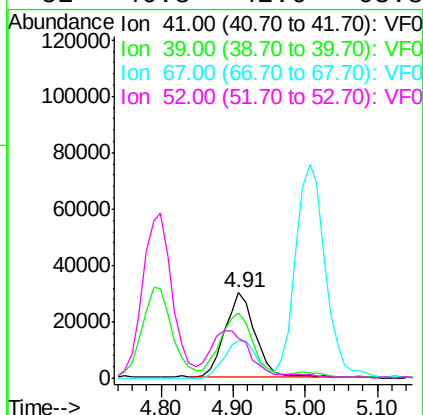
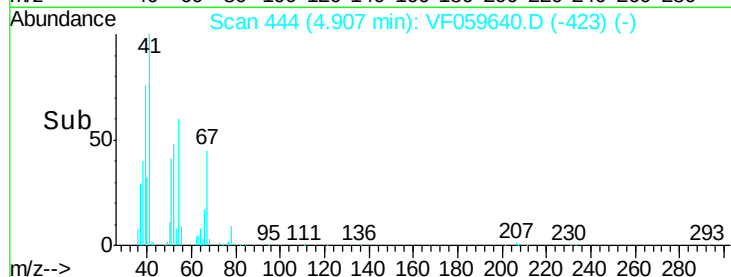
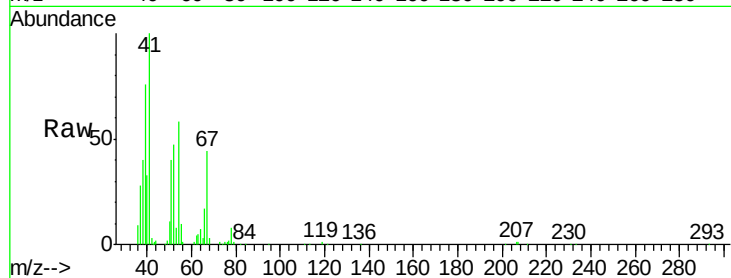
#41
Methacrylonitrile
Concen: 124.571 ug/l
RT: 4.91 min Scan# 444
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
41	100		
39	75.8	56.9	85.3
67	43.6	36.6	54.8
52	46.8	42.6	63.8

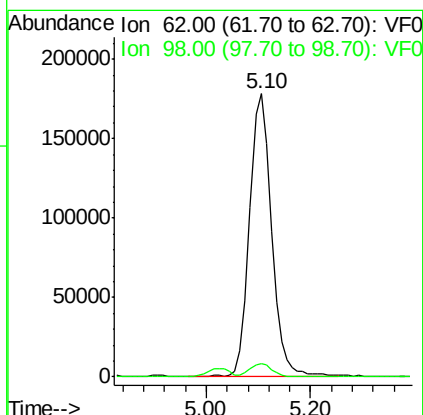
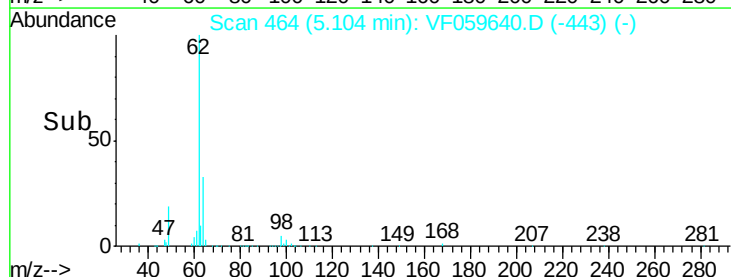
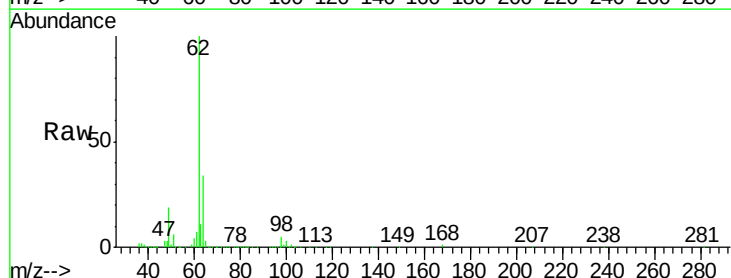
Manual Integrations
APPROVED

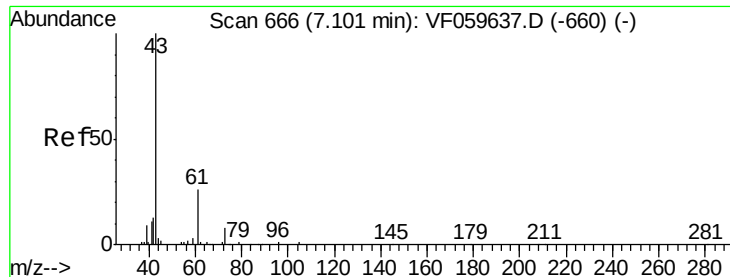
apatel
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#42
1,2-Dichloroethane
Concen: 117.913 ug/l
RT: 5.10 min Scan# 464
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	10.6





#43

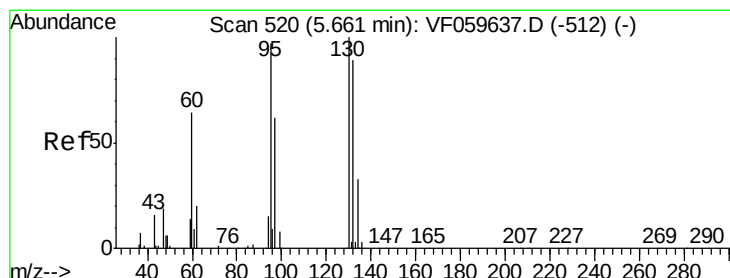
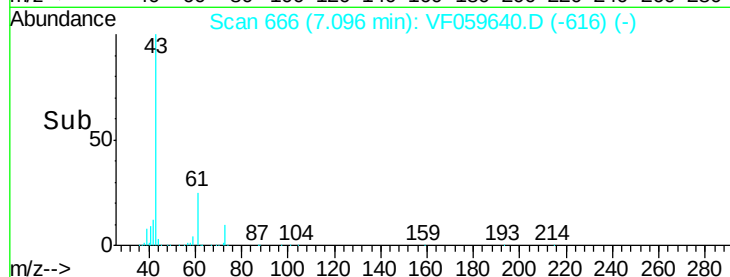
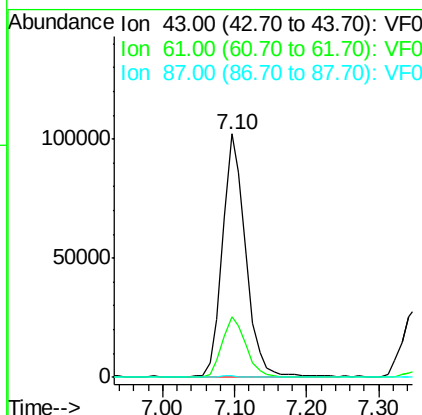
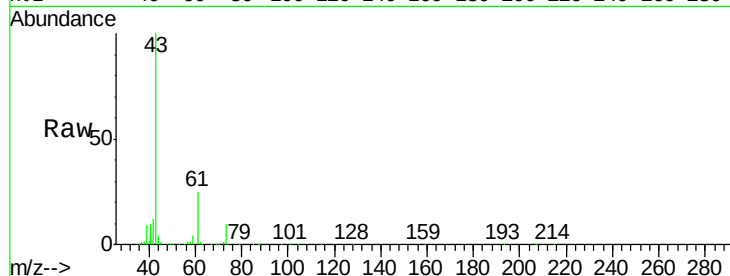
Isopropyl Acetate
 Concen: 129.629 ug/l
 RT: 7.10 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.8	20.5	30.7
87	0.4	0.4	0.6

Manual Integrations
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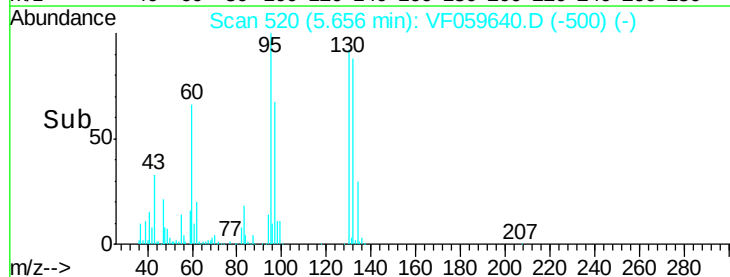
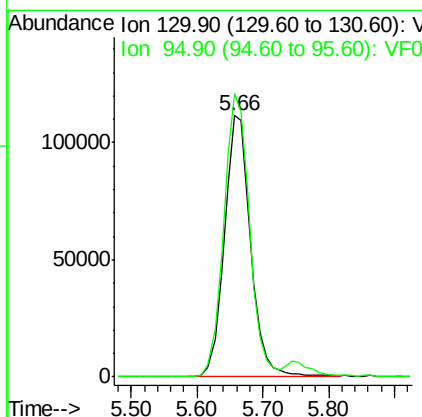
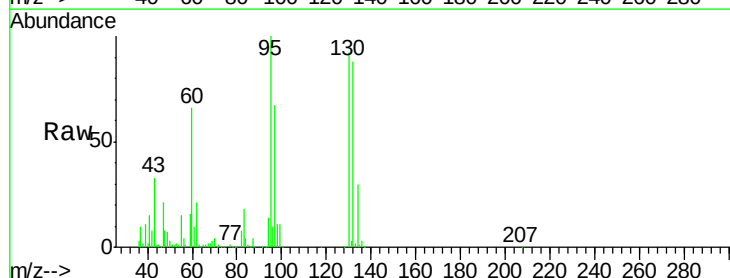
apatel
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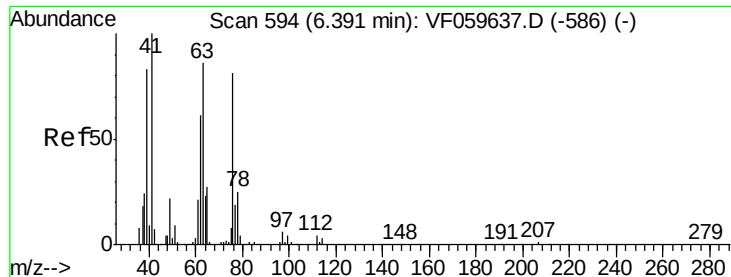


#44

Trichloroethene
 Concen: 125.052 ug/l
 RT: 5.66 min Scan# 520
 Delta R.T. -0.01 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.3	0.0	193.4





#45

1,2-Dichloropropane

Concen: 127.236 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 221998

Ion Ratio Lower Upper

63 100

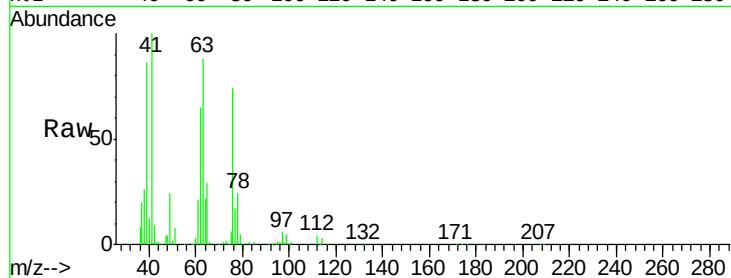
65 32.4 25.1 37.7

Manual Integrations

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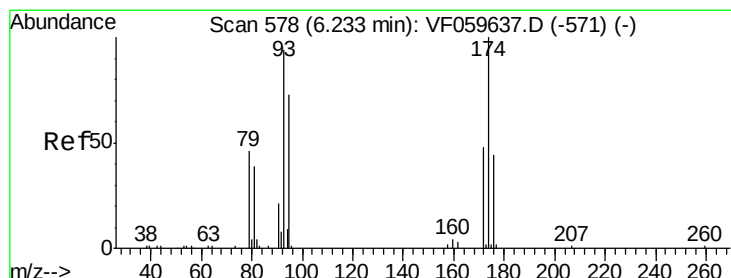
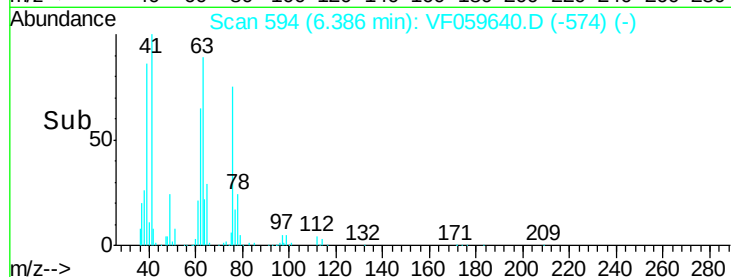
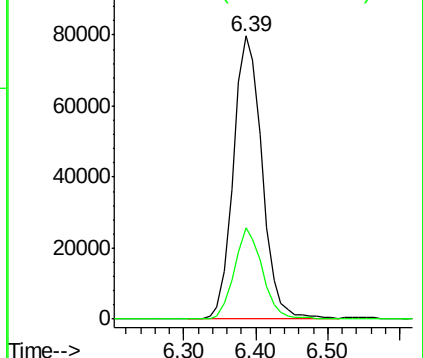
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 129.353 ug/l

RT: 6.24 min Scan# 579

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

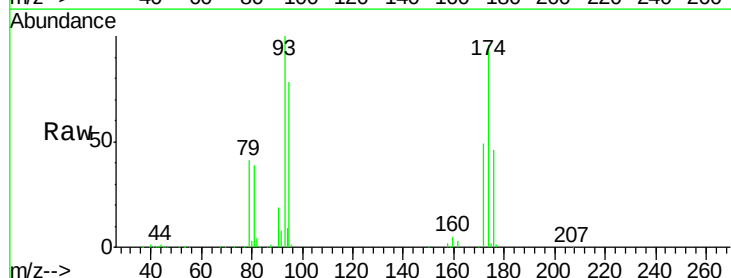
Tgt Ion: 93 Resp: 183472

Ion Ratio Lower Upper

93 100

95 77.7 63.1 94.7

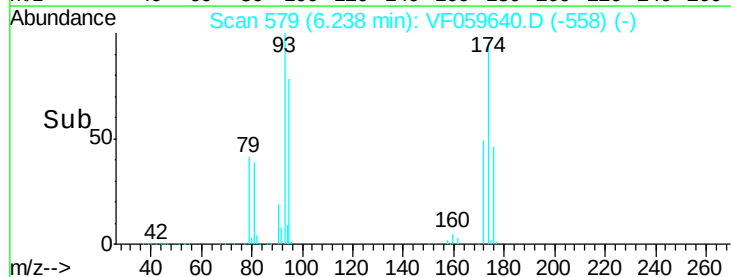
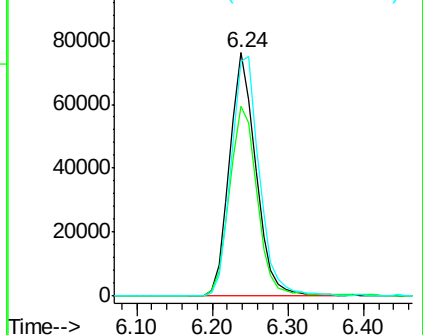
174 96.5 85.3 127.9

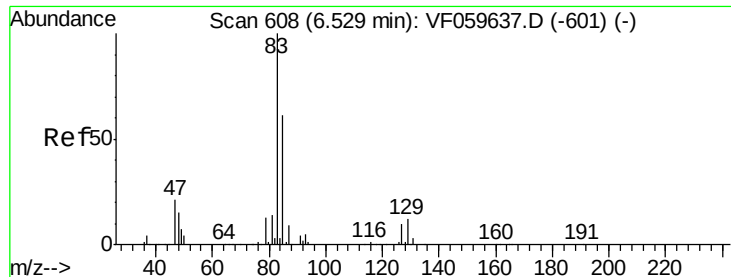


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 124.716 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

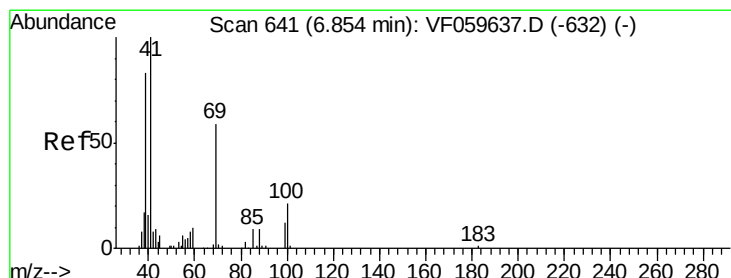
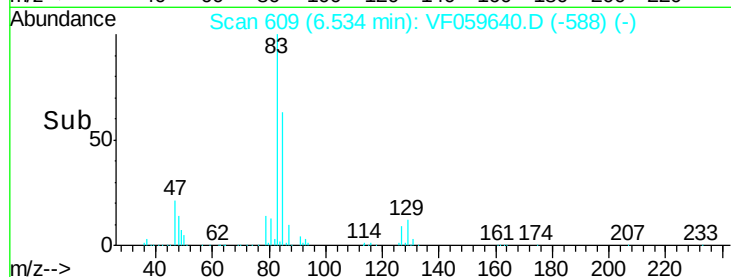
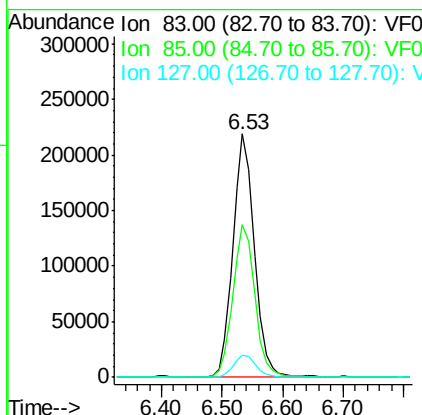
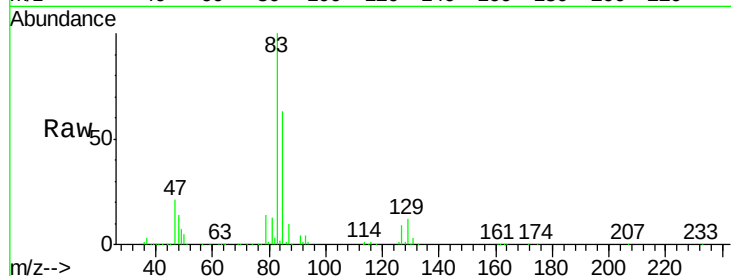
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	541694
Ion	Ratio	Lower	Upper
83	100		
85	62.9	48.6	72.8
127	9.4	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 128.608 ug/l

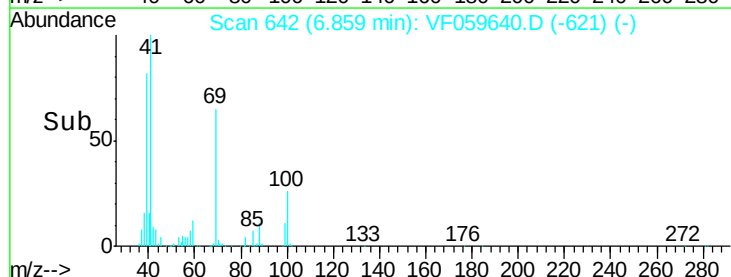
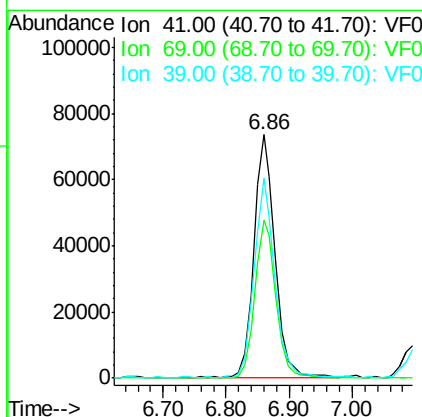
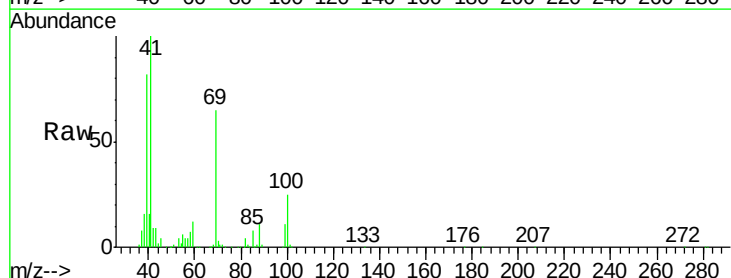
RT: 6.86 min Scan# 642

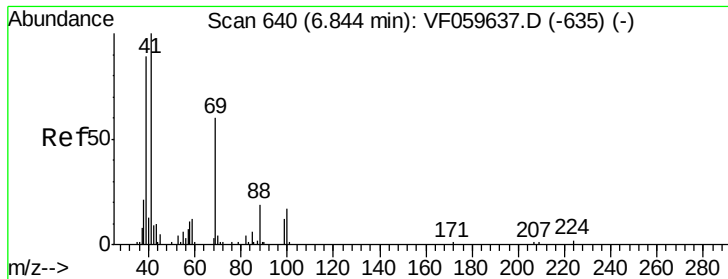
Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Tgt Ion:	41	Resp:	171275
Ion	Ratio	Lower	Upper
41	100		
69	64.9	47.5	71.3
39	81.9	67.0	100.6





#49

1,4-Dioxane

Concen: 2785.844 ug/l

RT: 6.85 min Scan# 641

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

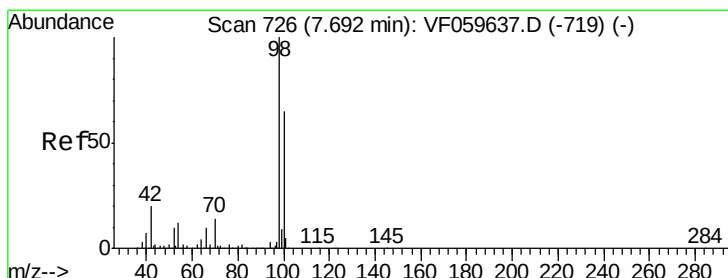
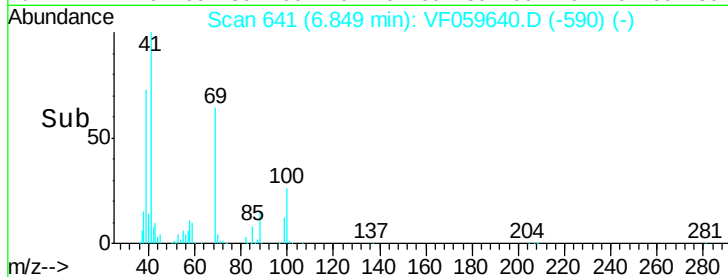
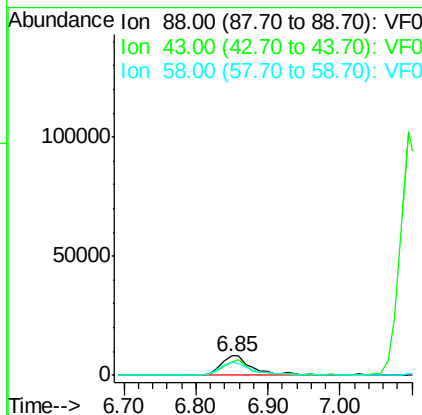
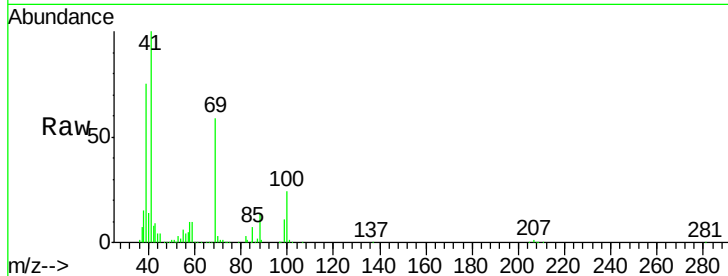
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
88	100		
43	68.2	45.3	67.9#
58	71.8	47.7	71.5#

Manual Integrations
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#50

Toluene-d8

Concen: 132.352 ug/l

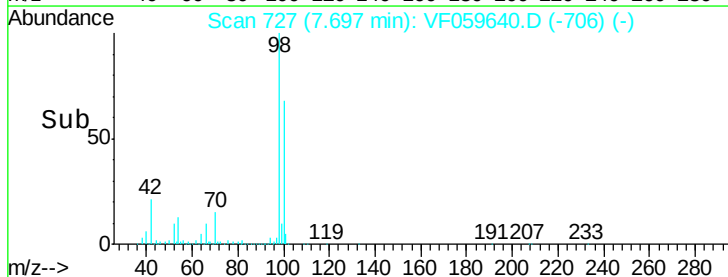
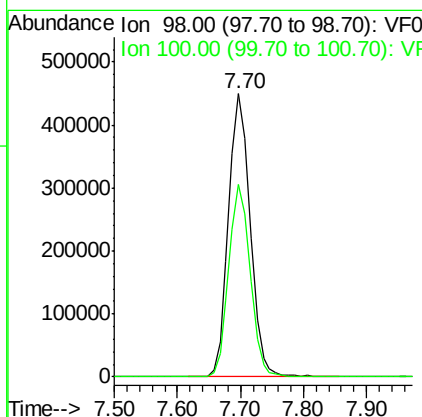
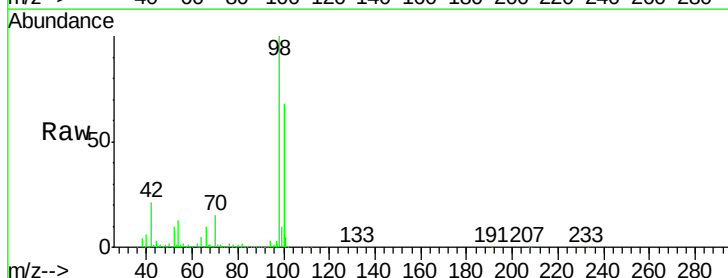
RT: 7.70 min Scan# 727

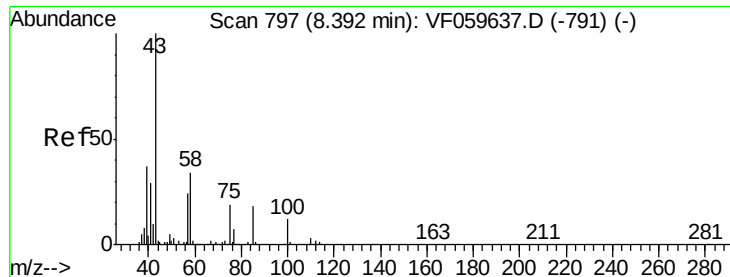
Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.2	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 566.785 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 741642

Ion Ratio Lower Upper

43 100

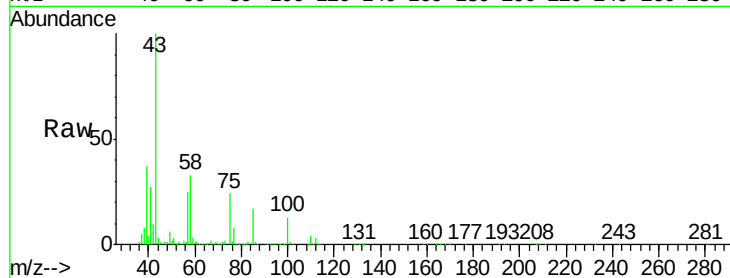
58 32.8 27.3 40.9

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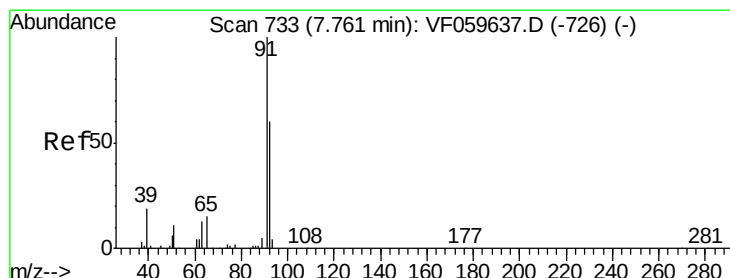
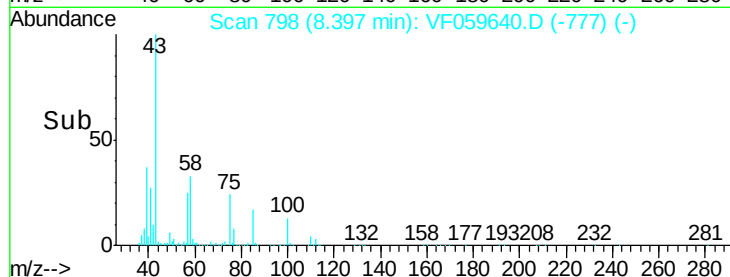
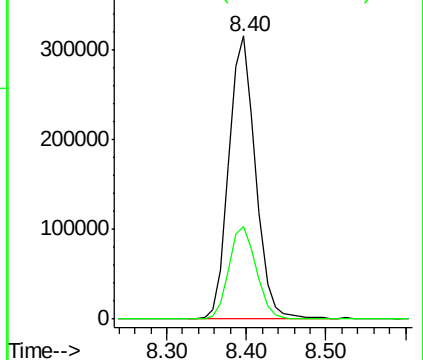
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 125.402 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059640.D

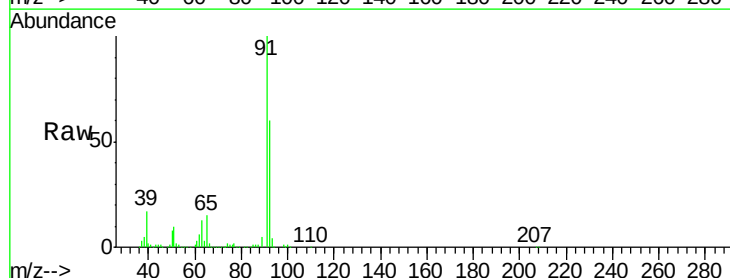
Acq: 24 Jul 2018 18:54

Tgt Ion: 92 Resp: 618879

Ion Ratio Lower Upper

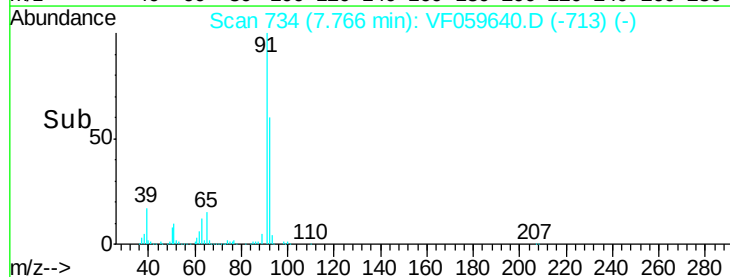
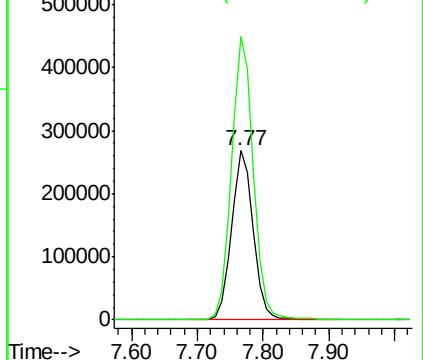
92 100

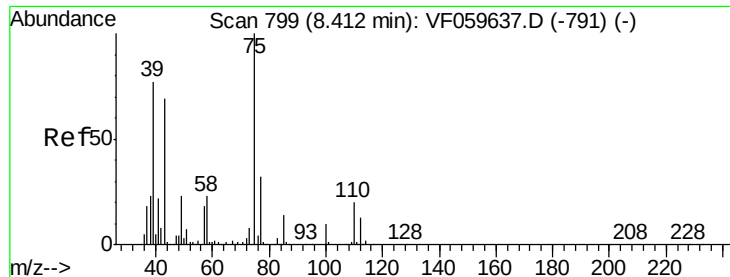
91 167.4 134.2 201.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 115.132 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 418547

Ion Ratio Lower Upper

75 100

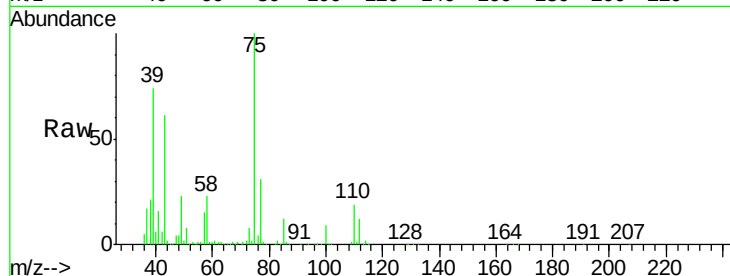
77 30.7 25.2 37.8

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.42

200000

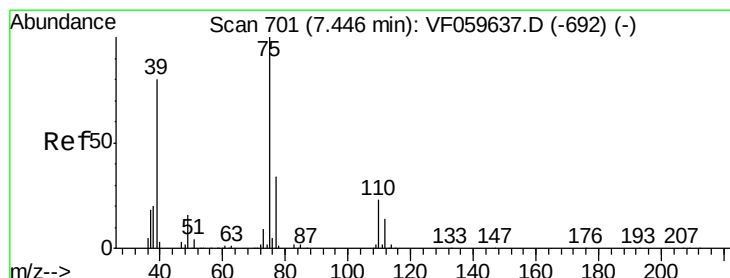
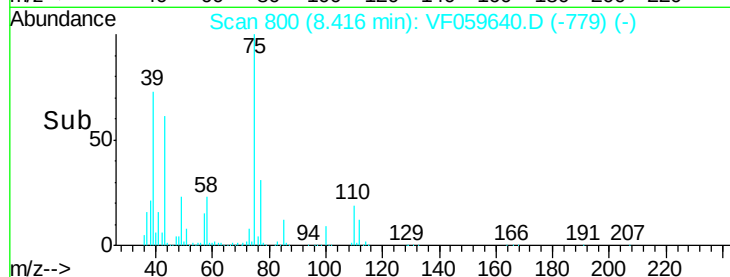
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 132.841 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

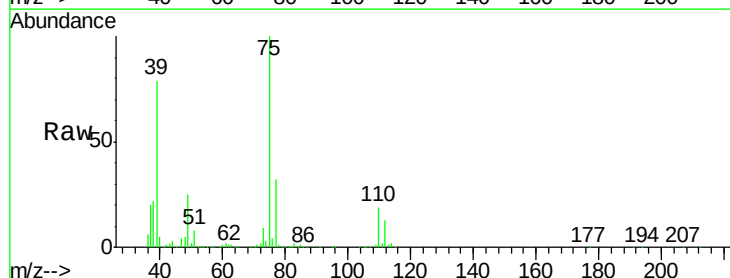
Tgt Ion: 75 Resp: 481082

Ion Ratio Lower Upper

75 100

77 32.2 27.5 41.3

39 79.1 64.4 96.6



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.44

250000

200000

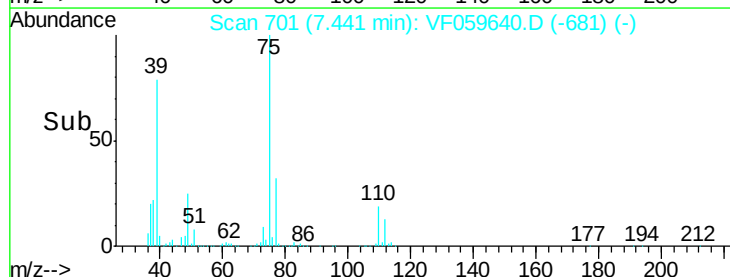
150000

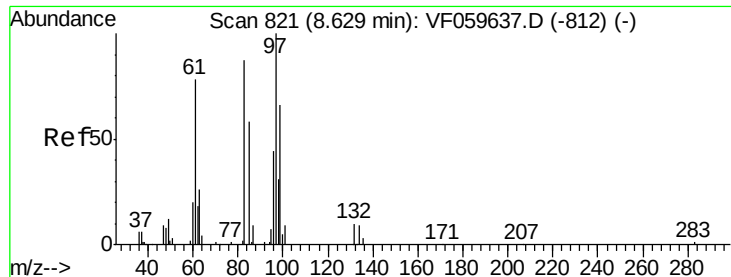
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 124.366 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

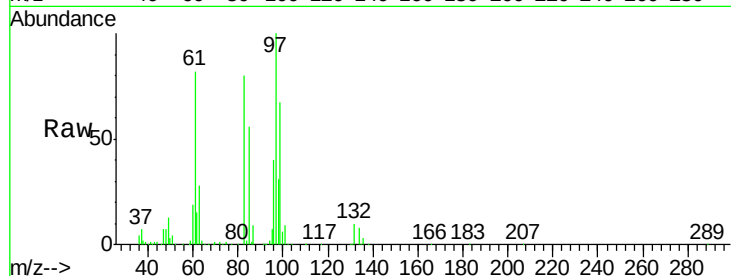
VSTDIC150

Tot Ion	97	Resp	203600
Ion Ratio	Lower	Upper	
97	100		
83	80.2	69.5	104.3
85	55.7	46.0	69.0
99	66.7	53.2	79.8

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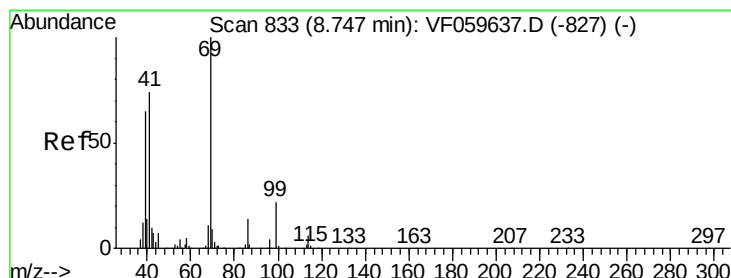
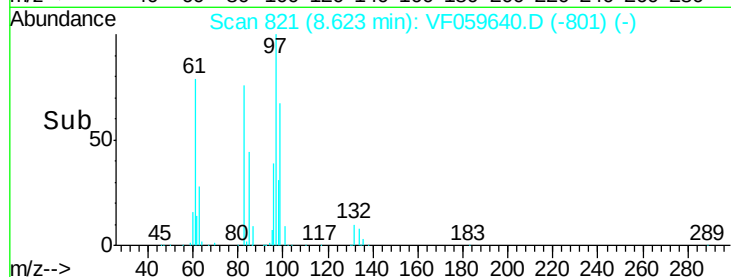
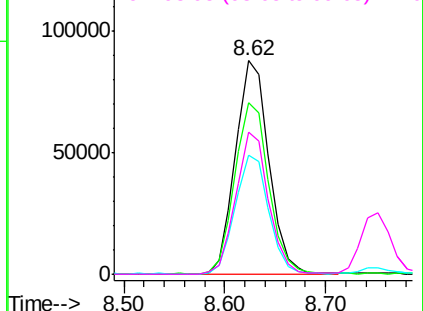


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 129.664 ug/l

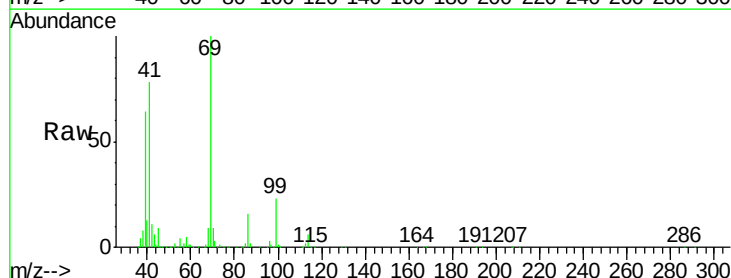
RT: 8.75 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

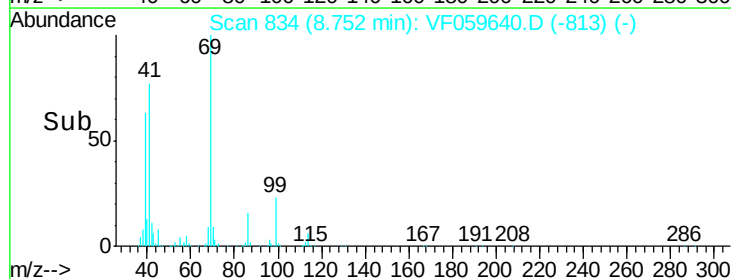
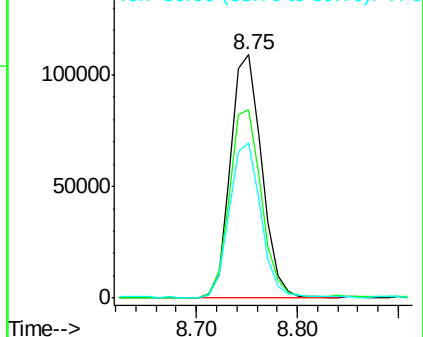
Tgt Ion	69	Resp	235322
Ion Ratio	Lower	Upper	
69	100		
41	77.5	59.1	88.7
39	63.9	52.4	78.6

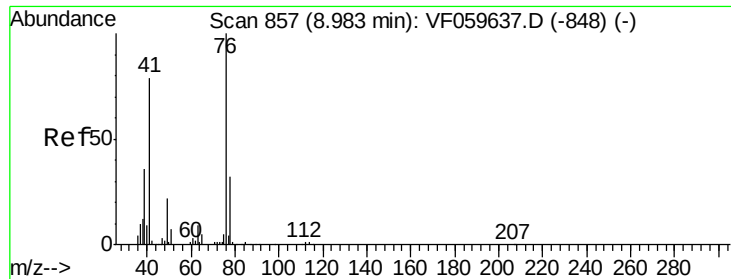


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 121.939 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 348843

Ion Ratio Lower Upper

76 100

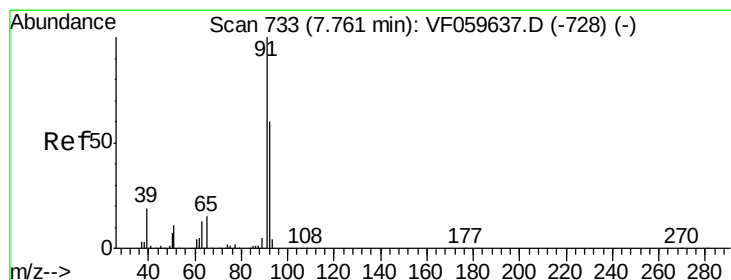
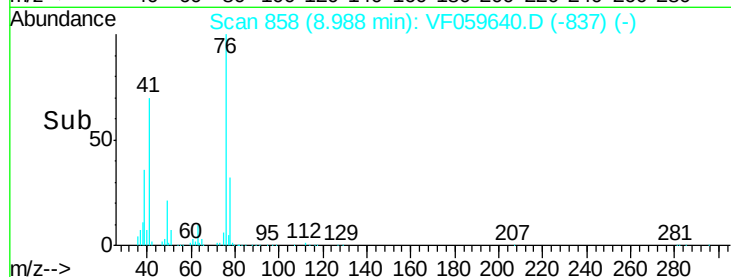
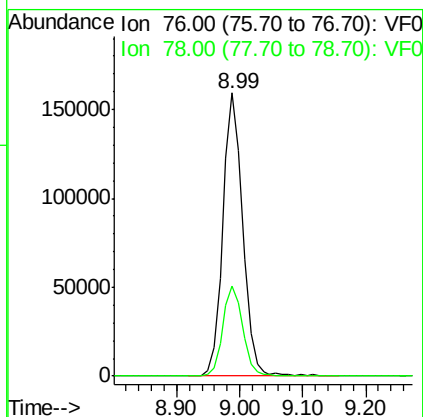
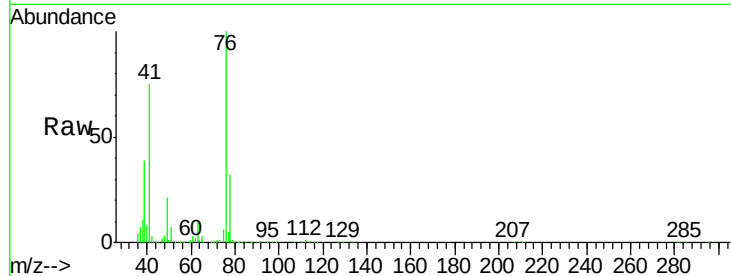
78 31.7 25.5 38.3

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 596.012 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059640.D

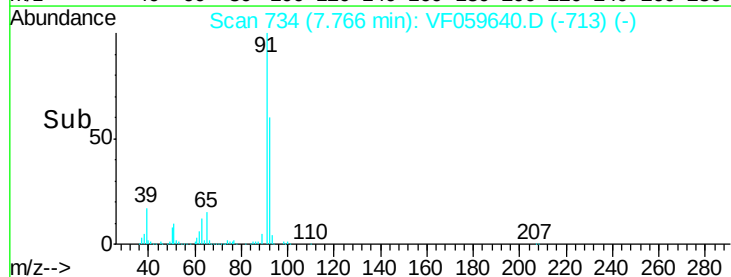
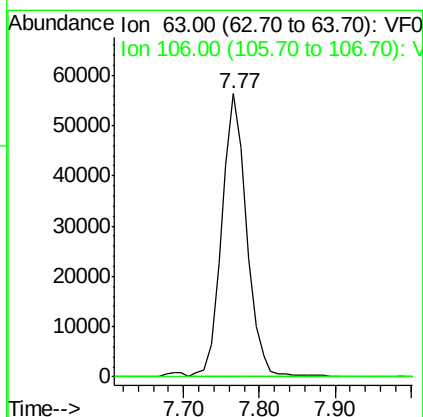
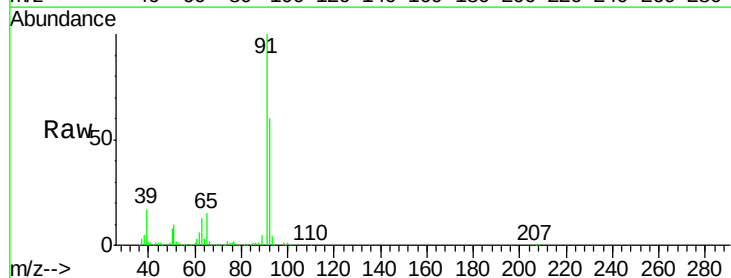
Acq: 24 Jul 2018 18:54

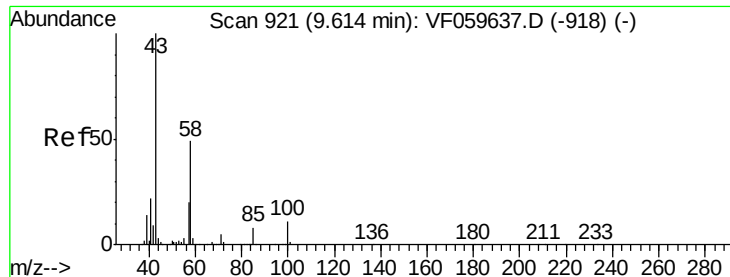
Tgt Ion: 63 Resp: 128391

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





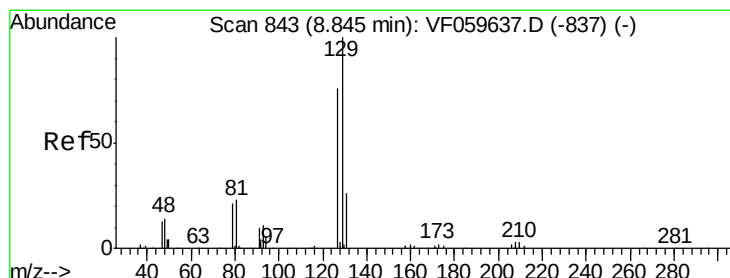
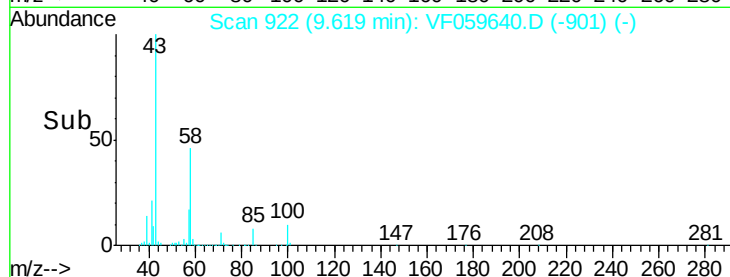
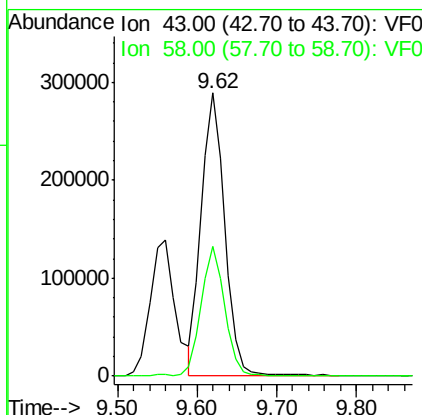
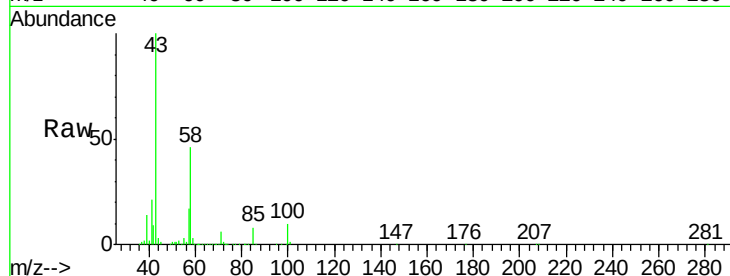
#59
2-Hexanone
Concen: 567.723 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.0	23.6	71.0

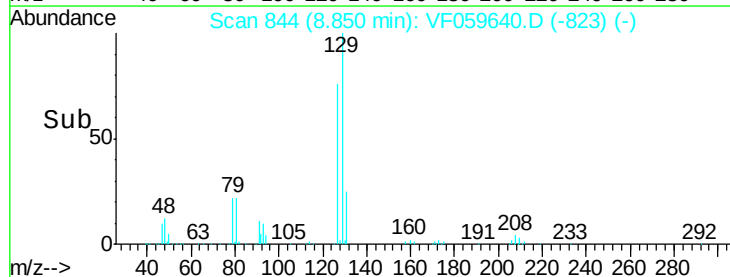
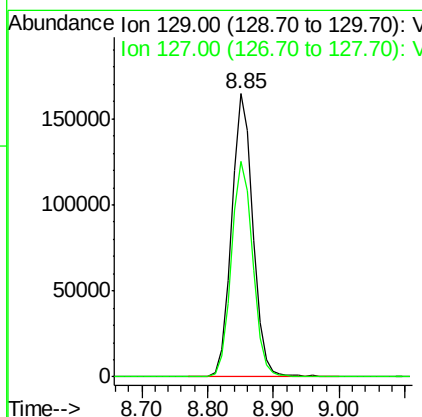
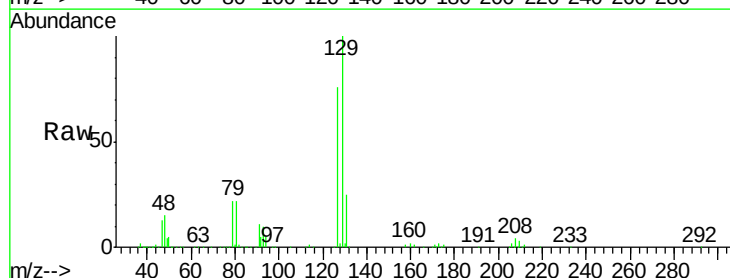
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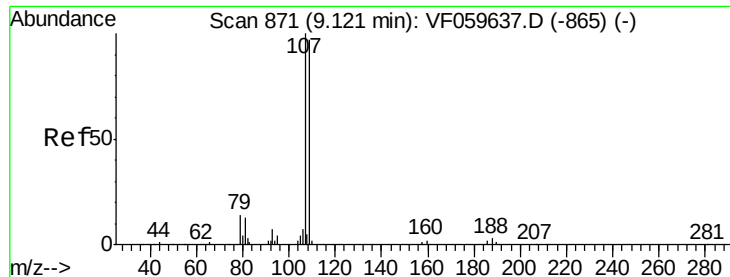
apatel
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#60
Dibromochloromethane
Concen: 127.620 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.1	114.5





#61

1,2-Dibromoethane

Concen: 132.280 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:107 Resp: 249248

Ion Ratio Lower Upper

107 100

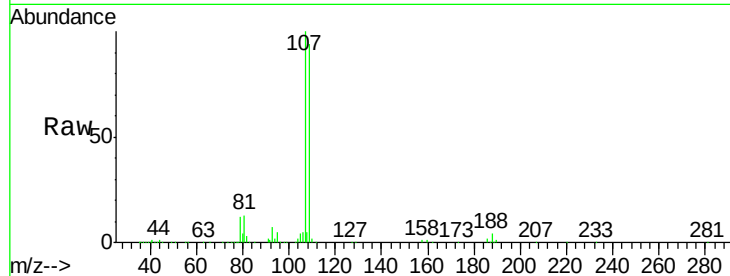
109 93.8 77.3 115.9

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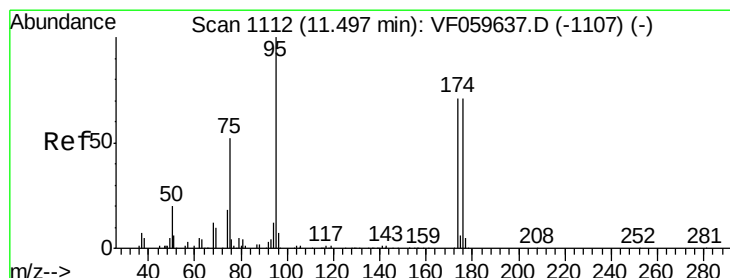
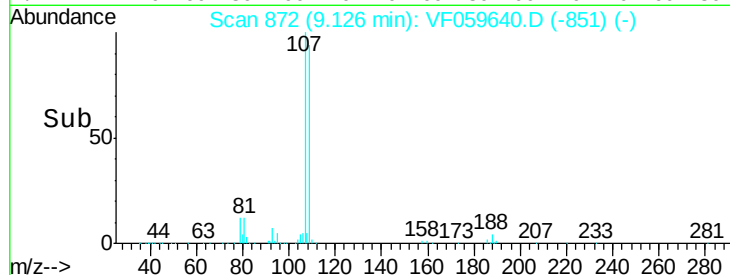
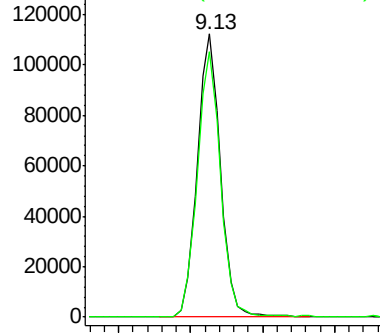
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 115.157 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

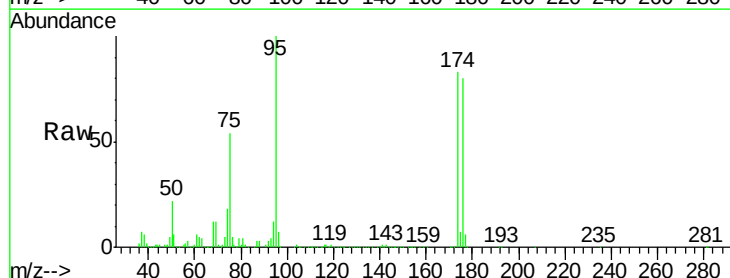
Tgt Ion: 95 Resp: 533443

Ion Ratio Lower Upper

95 100

174 83.0 0.0 141.8

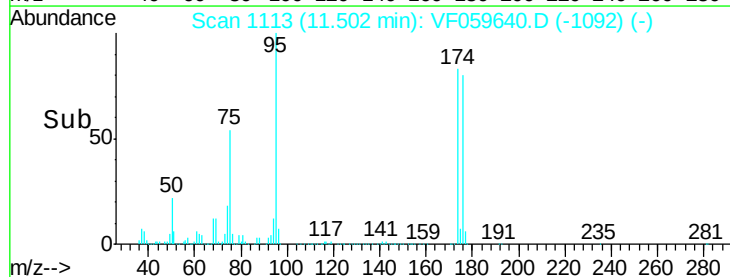
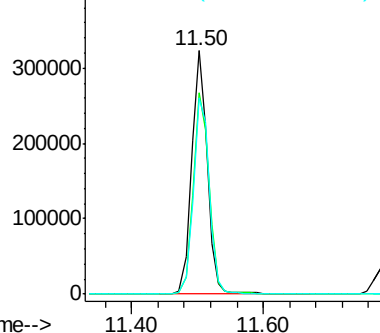
176 80.4 0.0 142.0

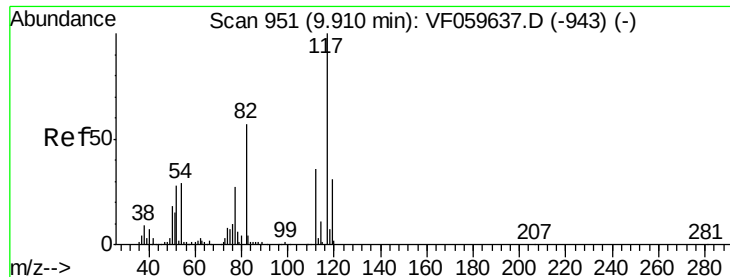


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





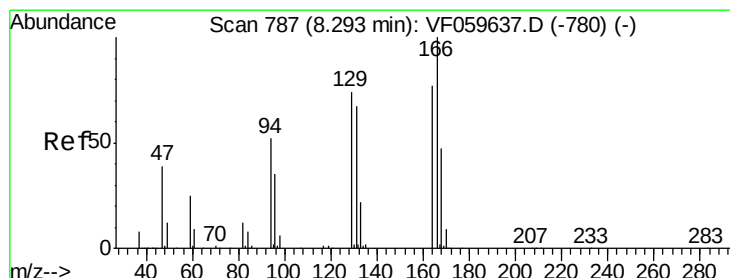
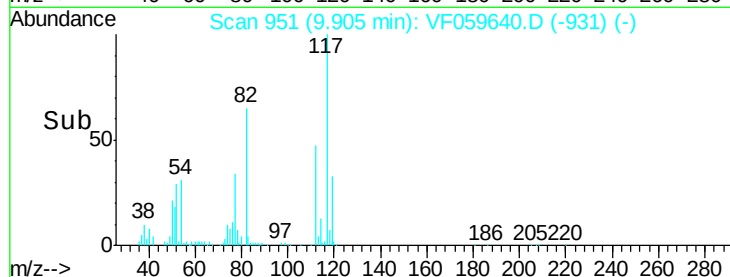
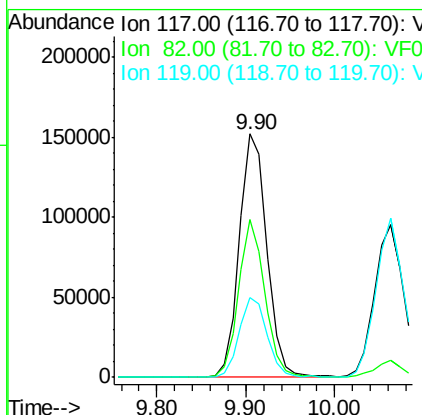
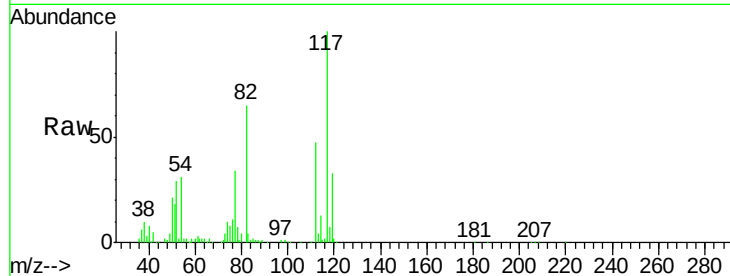
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.7	45.9	68.9
119	32.9	25.1	37.7

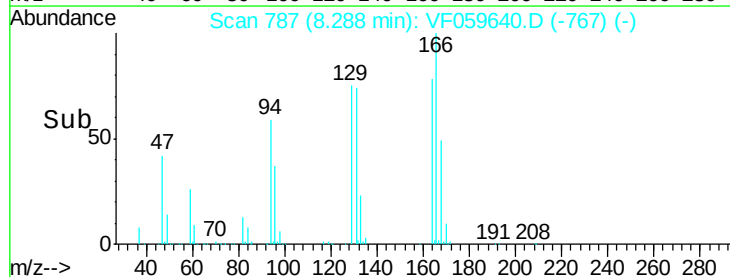
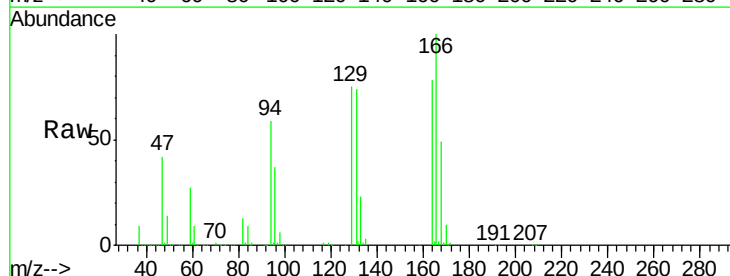
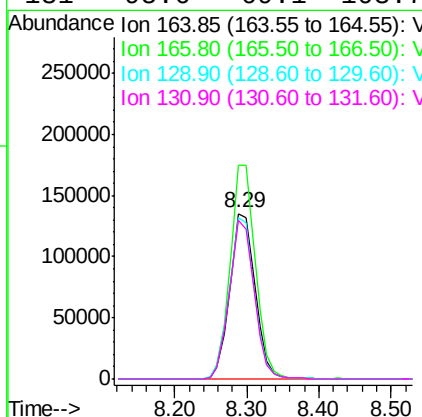
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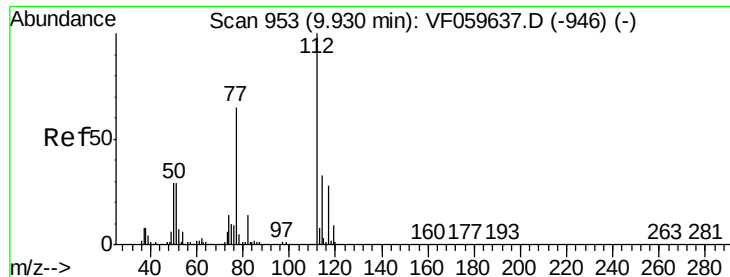
apatel
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#64
Tetrachloroethene
Concen: 136.604 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.01 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	103.3	154.9
129	97.3	76.2	114.2
131	95.6	69.1	103.7





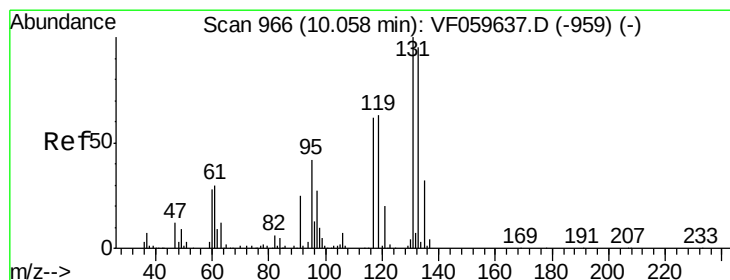
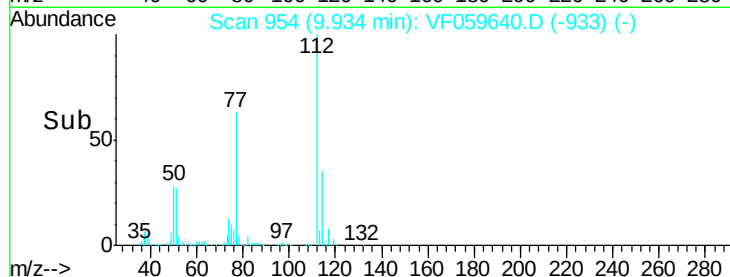
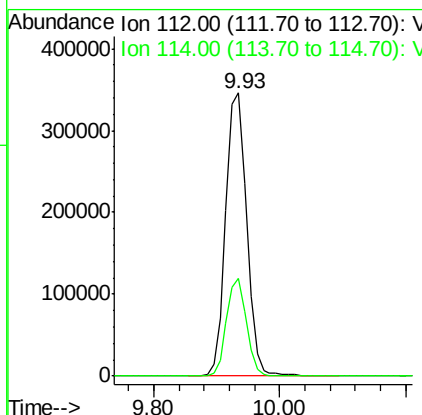
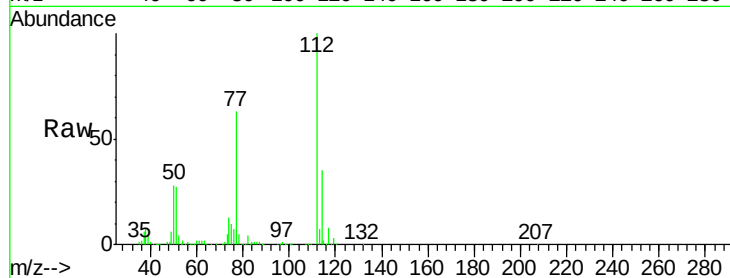
#65
Chlorobenzene
Concen: 134.607 ug/l
RT: 9.93 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.6	26.4	39.6

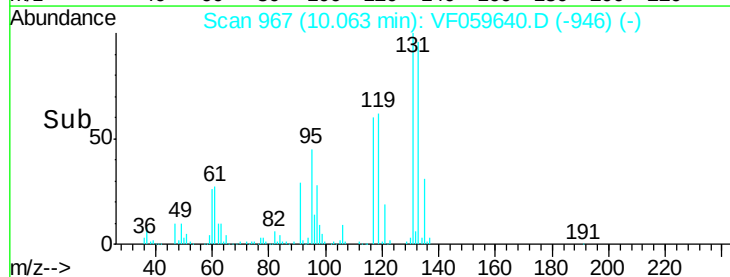
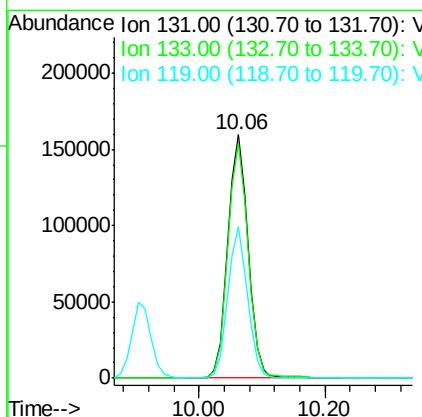
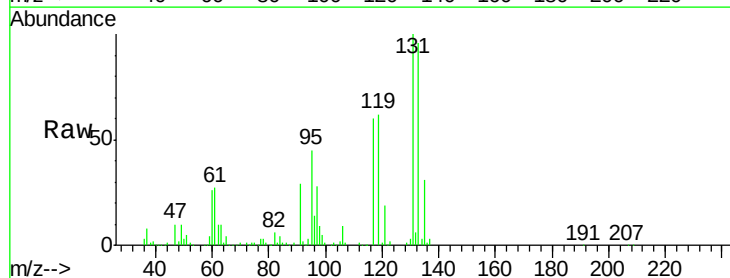
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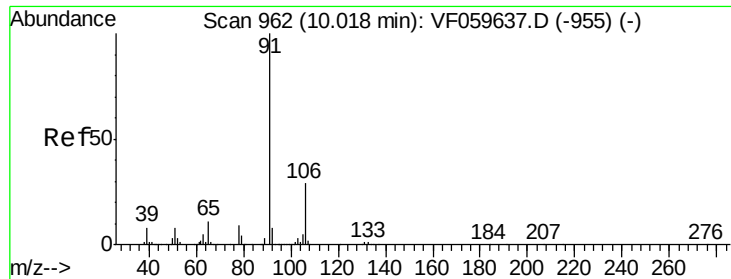
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 130.626 ug/l
RT: 10.06 min Scan# 967
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.5	142.6
119	62.3	31.8	95.4





#67

Ethyl Benzene

Concen: 130.810 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1409428

Ion Ratio Lower Upper

91 100

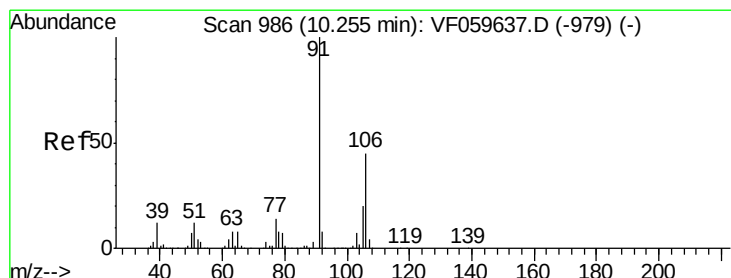
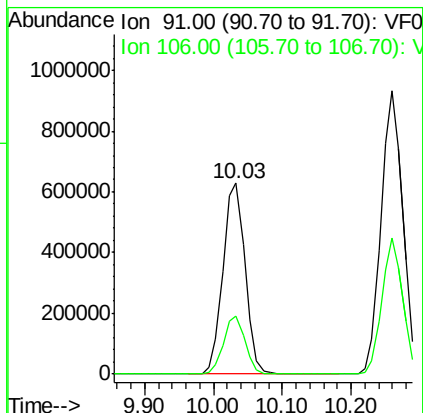
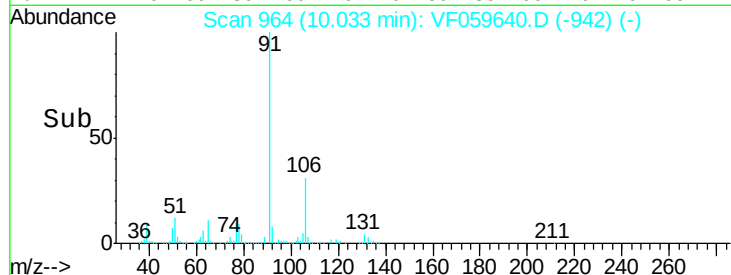
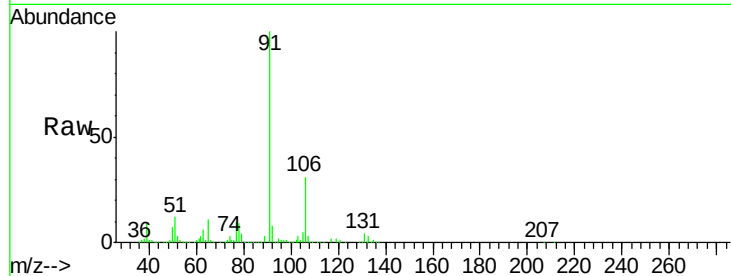
106 30.6 23.4 35.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 255.327 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.00 min

Lab File: VF059640.D

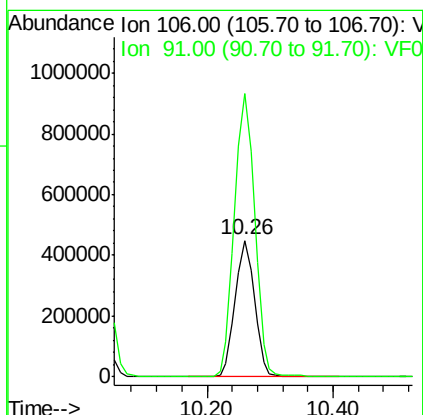
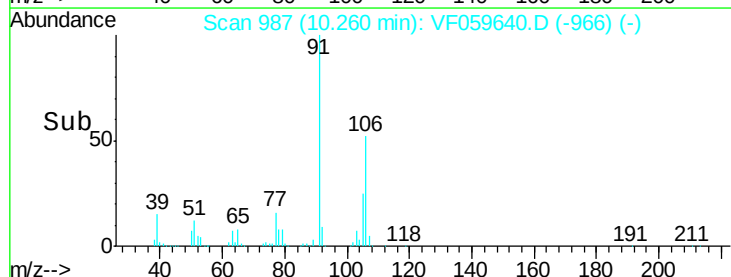
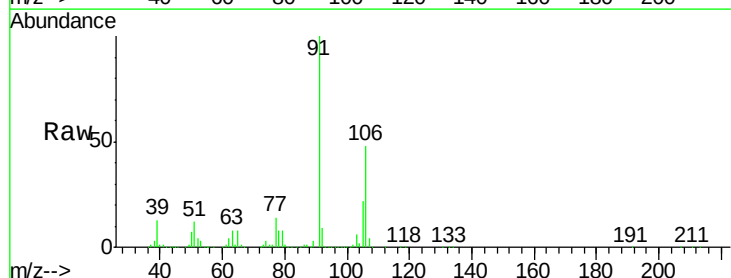
Acq: 24 Jul 2018 18:54

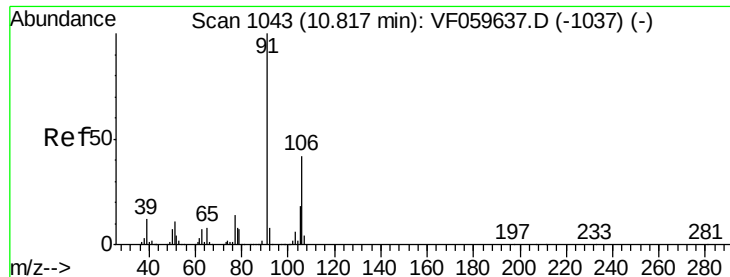
Tgt Ion:106 Resp: 954458

Ion Ratio Lower Upper

106 100

91 207.7 177.8 266.8





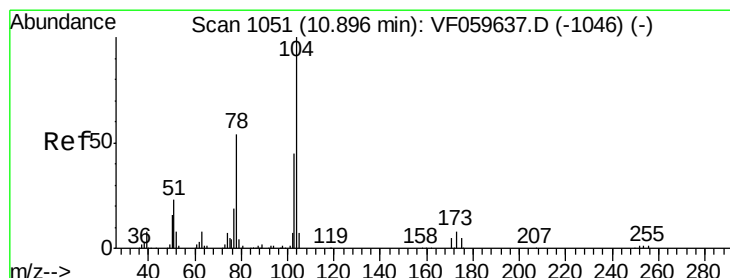
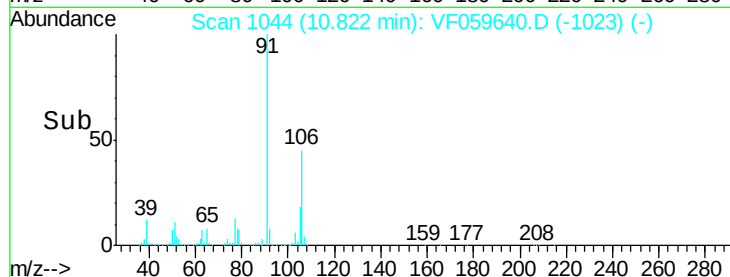
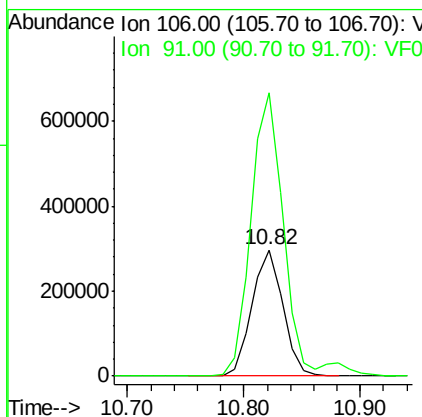
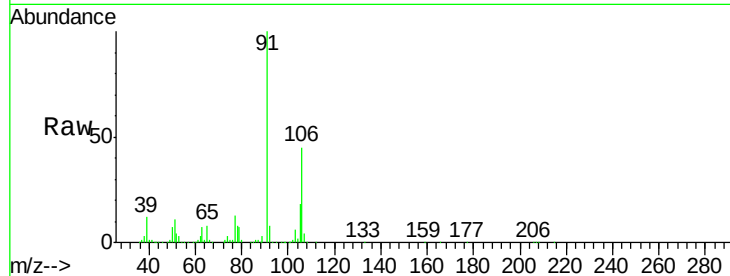
#69
o-Xylene
Concen: 136.158 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion:106 Resp: 548882
Ion Ratio Lower Upper
106 100
91 224.6 119.3 357.9

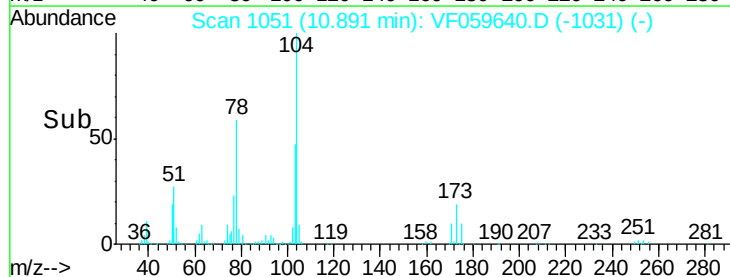
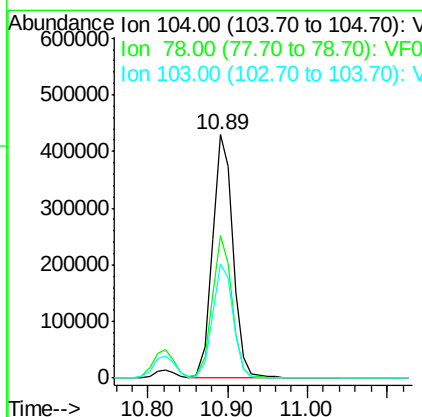
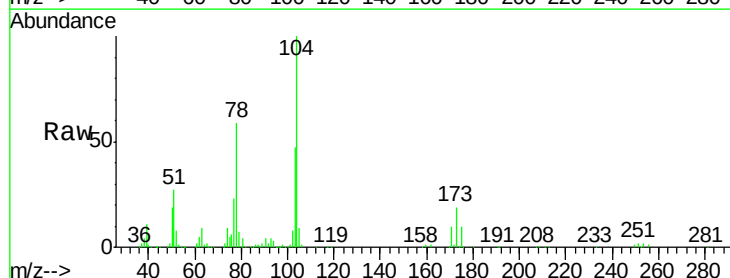
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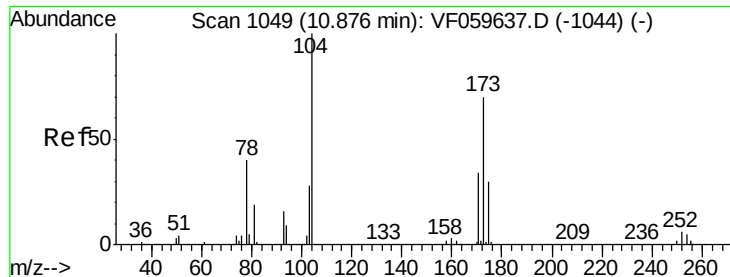
apatel
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#70
Styrene
Concen: 129.664 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion:104 Resp: 778678
Ion Ratio Lower Upper
104 100
78 58.8 43.4 65.2
103 47.0 36.7 55.1





#71

Bromoform

Concen: 130.387 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 216954

Ion Ratio Lower Upper

173 100

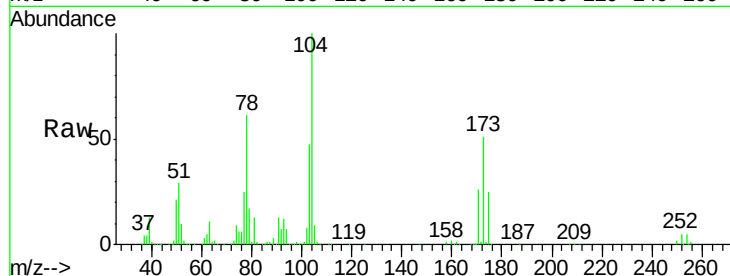
175 48.8 21.6 65.0

254 0.1 0.0 0.0#

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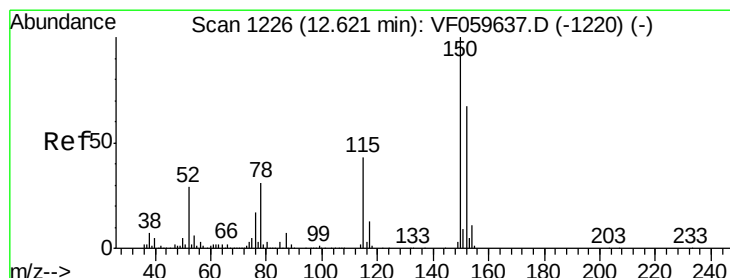
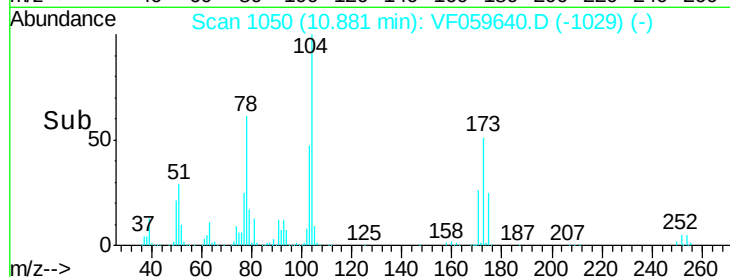
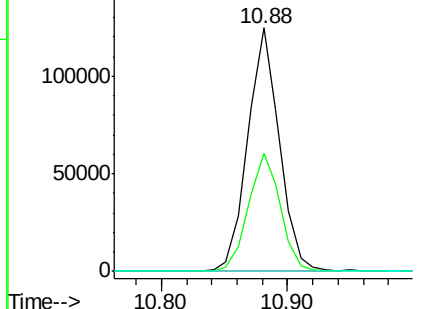
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

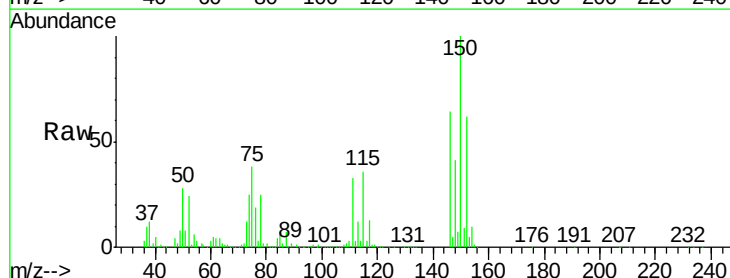
Tgt Ion:152 Resp: 196643

Ion Ratio Lower Upper

152 100

115 57.0 32.0 96.2

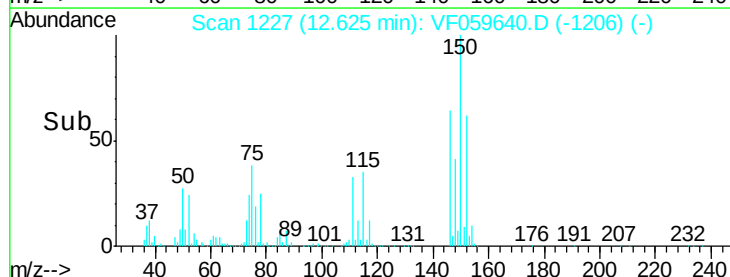
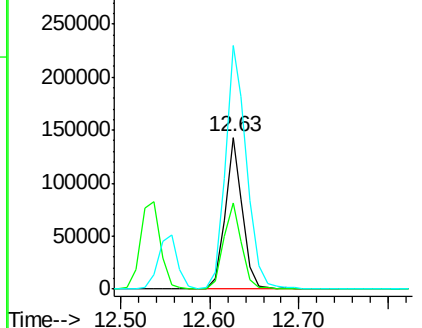
150 160.2 0.0 313.2

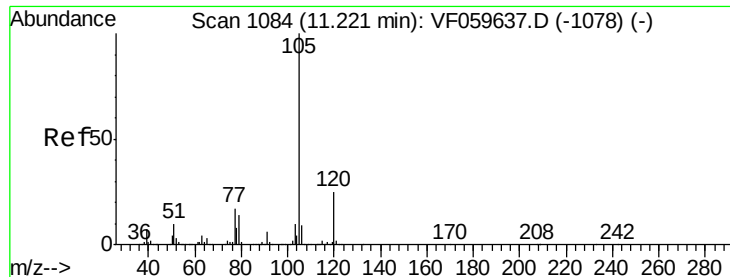


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 130.312 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1624515

Ion Ratio Lower Upper

105 100

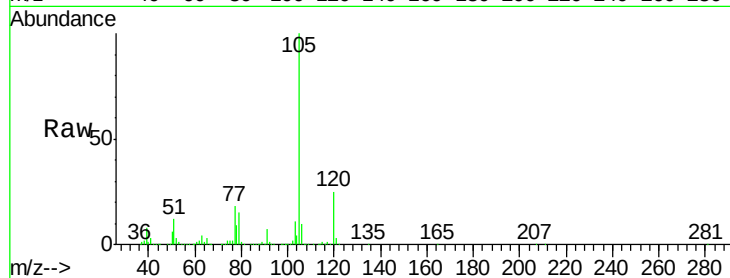
120 25.2 12.6 37.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1000000

800000

600000

400000

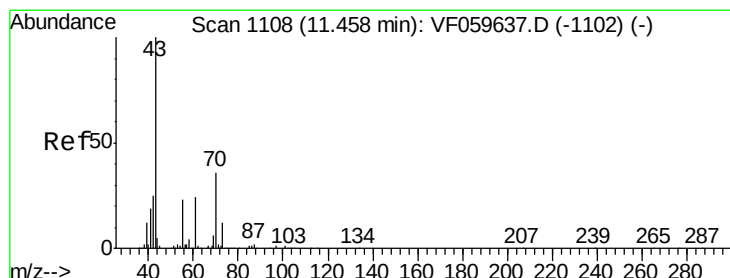
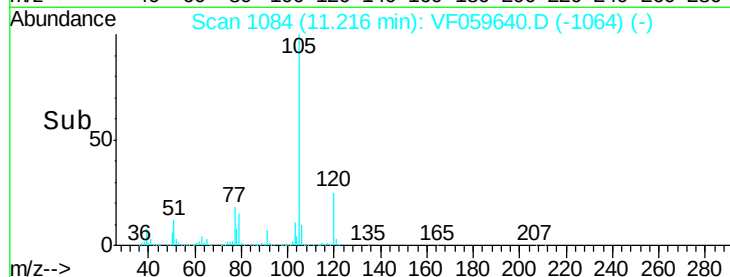
200000

0

11.20

11.40

Time-->



#74

N-ethyl acetate

Concen: 140.855 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Tgt Ion: 43 Resp: 385702

Ion Ratio Lower Upper

43 100

70 31.8 29.4 44.0

55 20.7 18.2 27.4

61 23.9 18.9 28.3

Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

300000

200000

100000

0

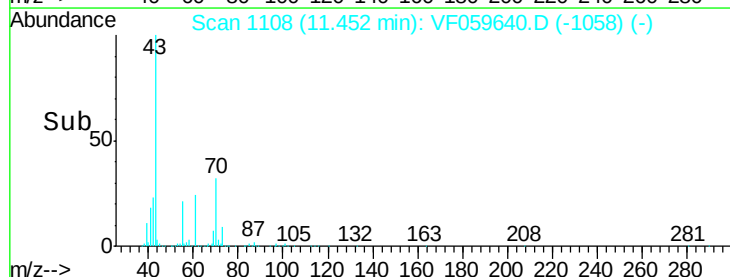
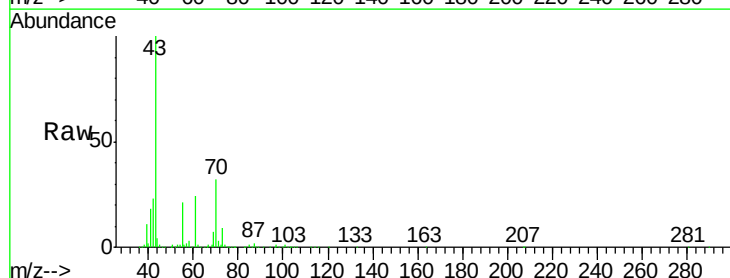
11.30

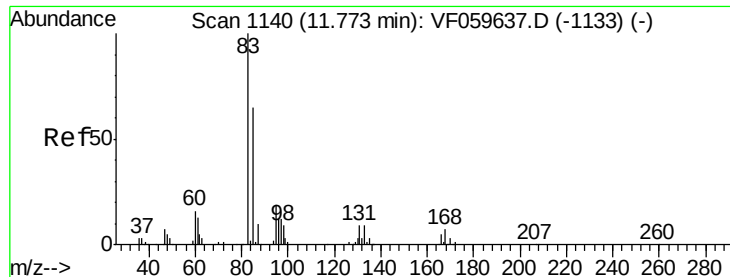
11.40

11.50

11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 126.372 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

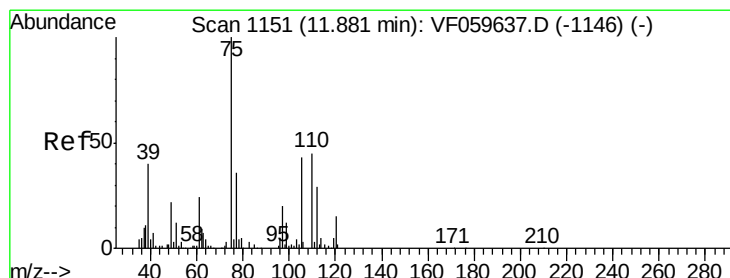
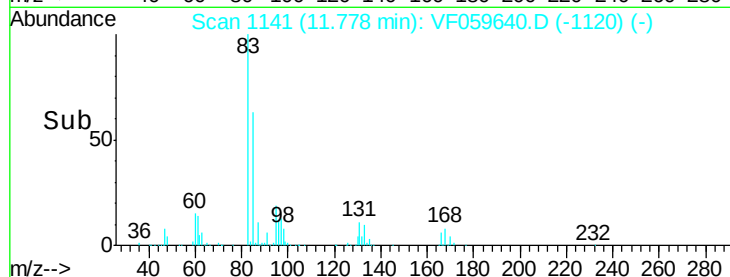
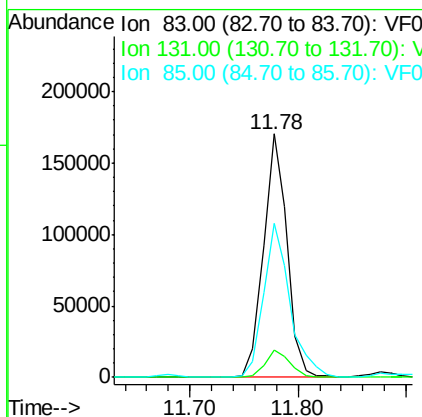
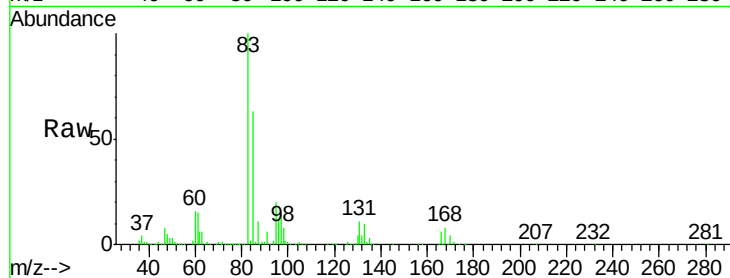
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	260423
Ion Ratio	Lower	Upper	
83	100		
131	11.1	4.5	13.5
85	63.2	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 117.418 ug/l

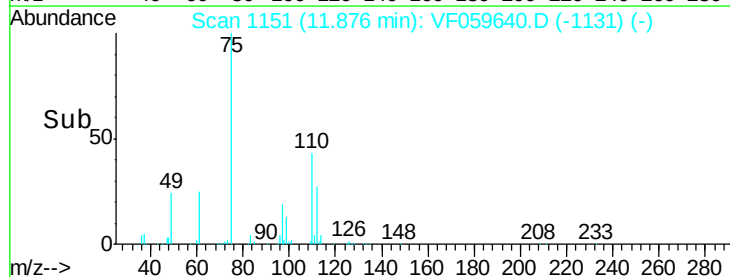
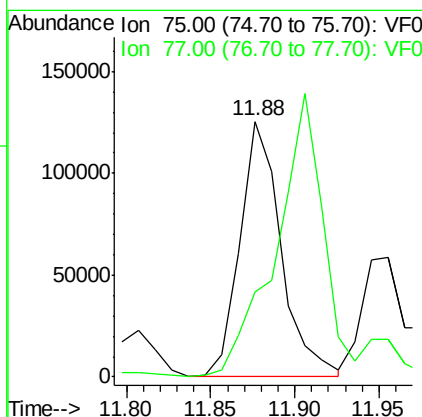
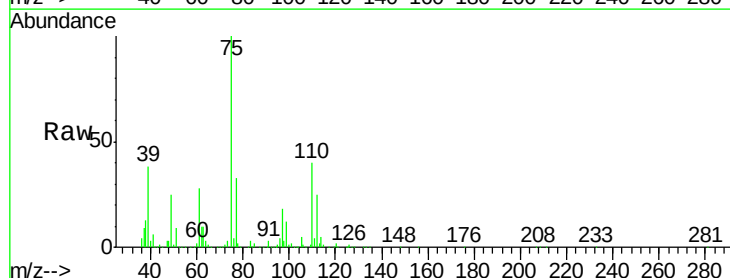
RT: 11.88 min Scan# 1151

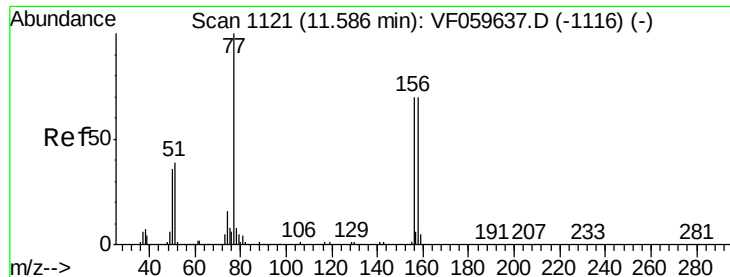
Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Tgt Ion:	75	Resp:	211923
Ion Ratio	Lower	Upper	
75	100		
77	33.4	18.4	55.0





#77

Bromobenzene

Concen: 129.485 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

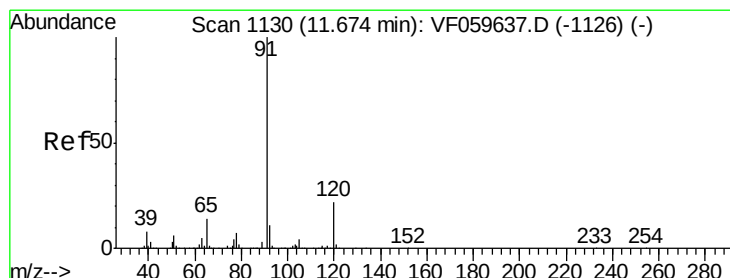
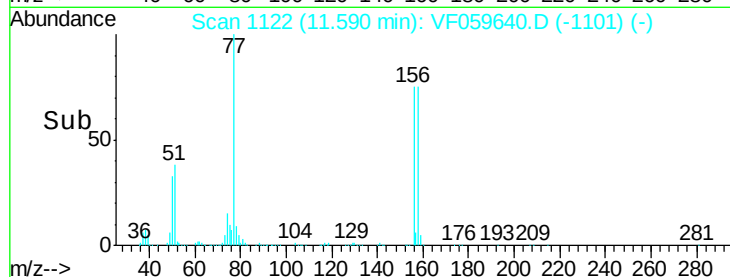
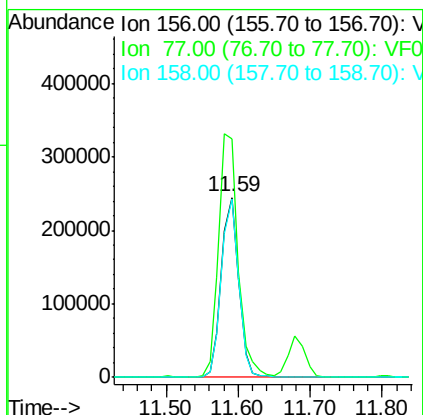
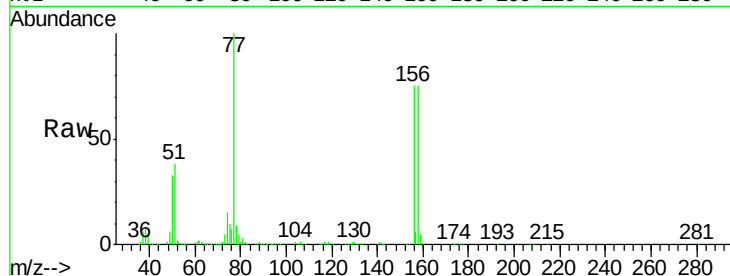
ClientSampleId :

VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		411726		
77	132.7	71.5	214.3		
158	98.9	50.0	149.8		

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#78

n-propylbenzene

Concen: 122.977 ug/l

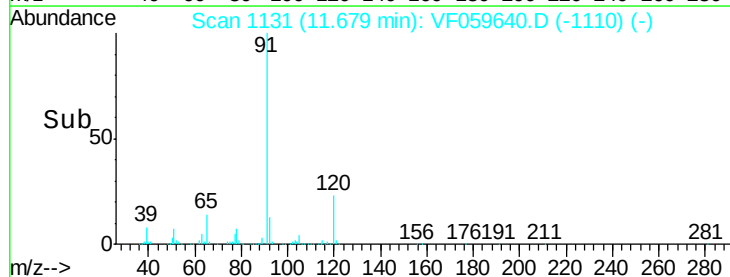
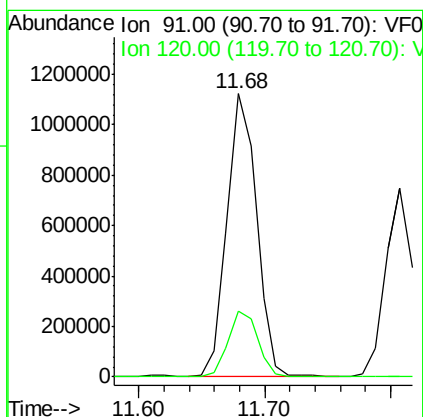
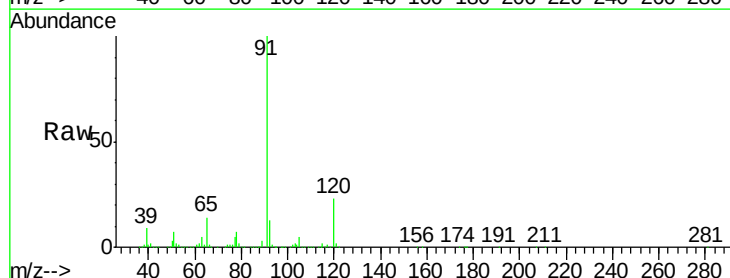
RT: 11.68 min Scan# 1131

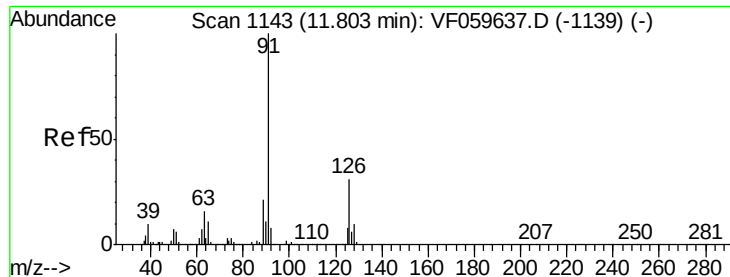
Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1828867		
120	23.3	10.8	32.4		





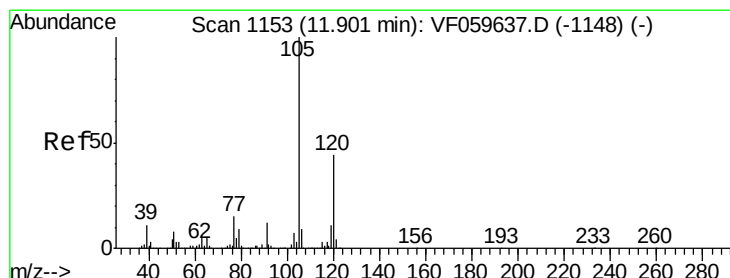
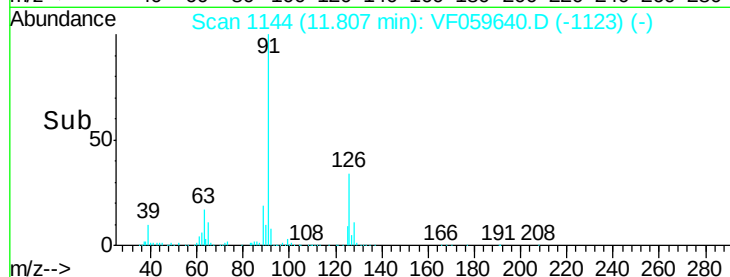
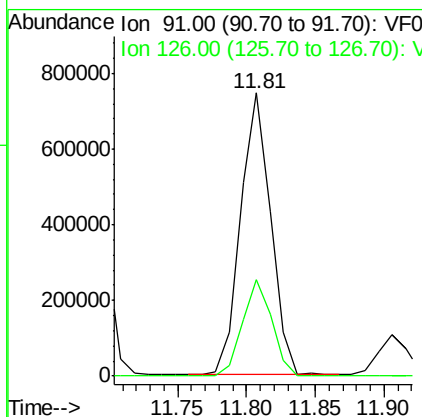
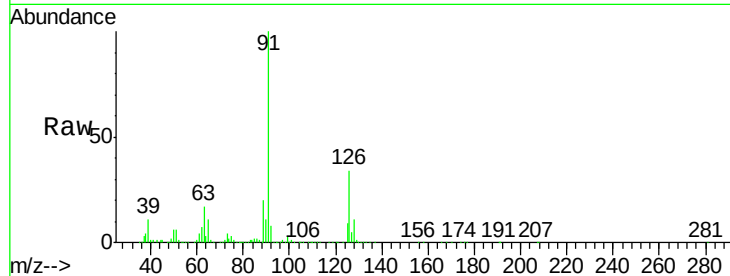
#79
 2-Chlorotoluene
 Concen: 127.095 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 1136591
 Ion Ratio Lower Upper
 91 100
 126 34.1 15.4 46.4

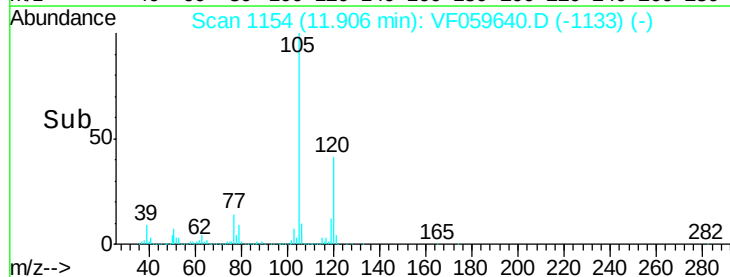
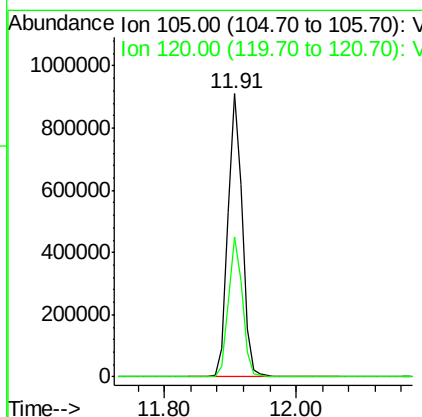
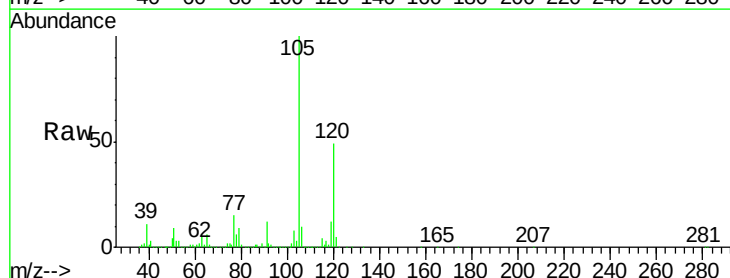
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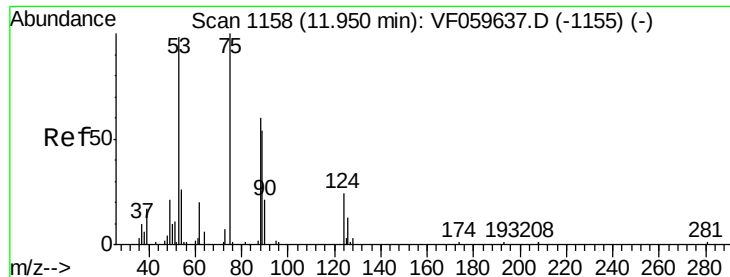
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#80
 1,3,5-Trimethylbenzene
 Concen: 124.800 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Tgt Ion:105 Resp: 1396249
 Ion Ratio Lower Upper
 105 100
 120 49.4 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 186.031 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 138993

Ion Ratio Lower Upper

75 100

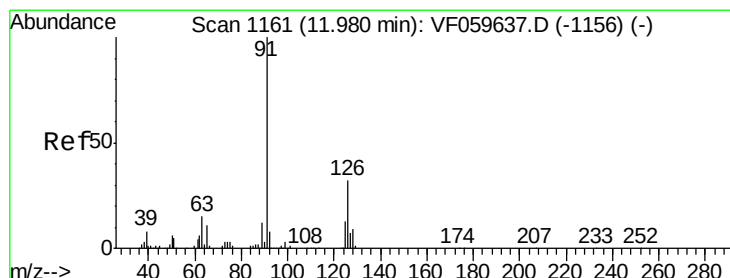
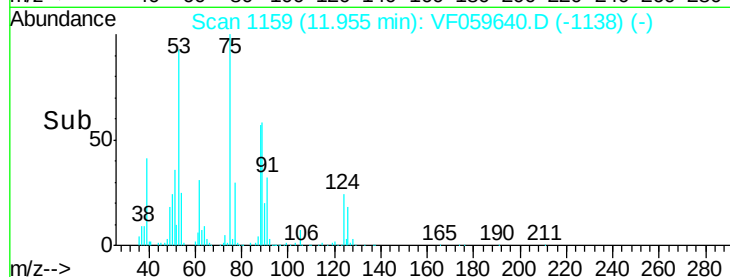
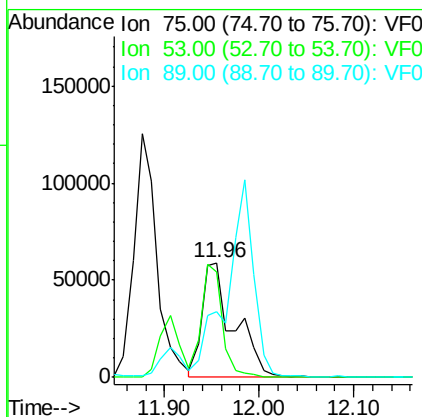
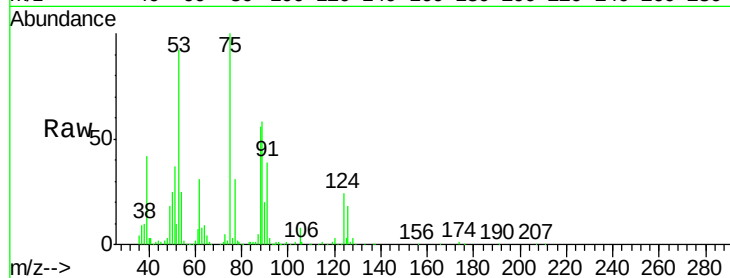
53 92.3 82.3 123.5

89 57.7 48.2 72.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 124.515 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059640.D

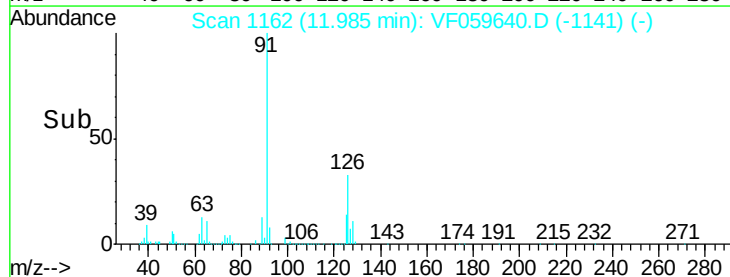
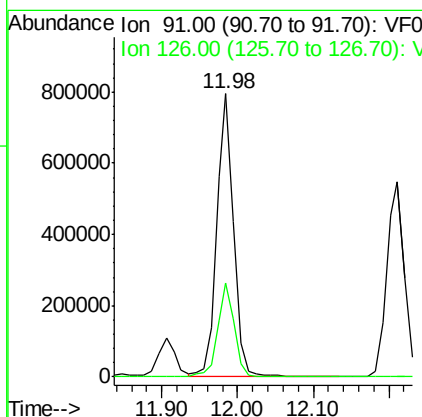
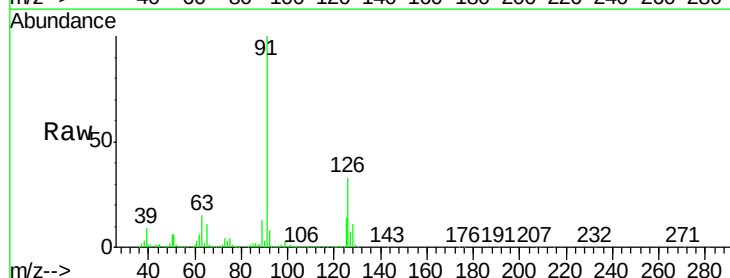
Acq: 24 Jul 2018 18:54

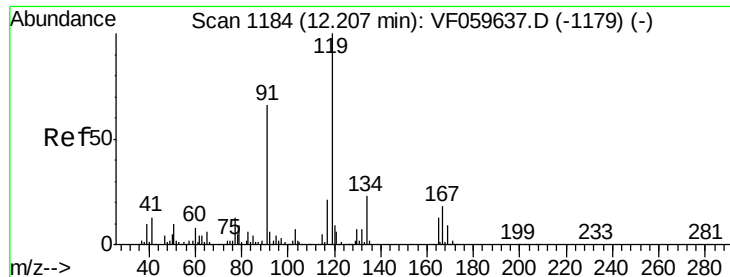
Tgt Ion: 91 Resp: 1234046

Ion Ratio Lower Upper

91 100

126 33.3 16.1 48.2





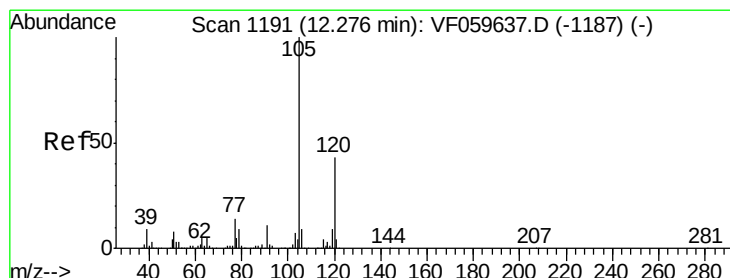
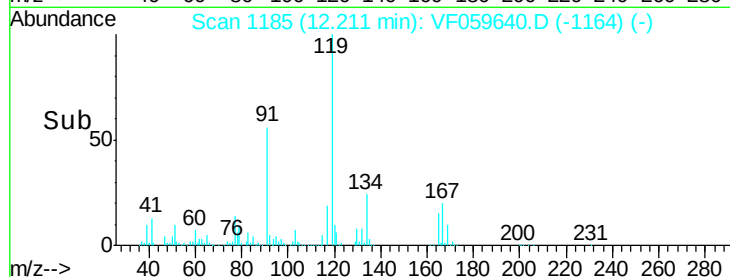
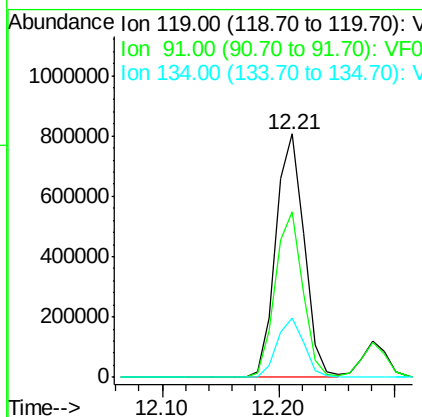
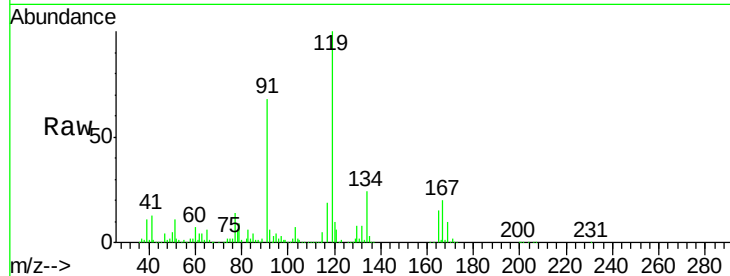
#83
 tert-Butylbenzene
 Concen: 122.410 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1352613
 Ion Ratio Lower Upper
 119 100
 91 67.8 33.2 99.6
 134 24.2 11.5 34.4

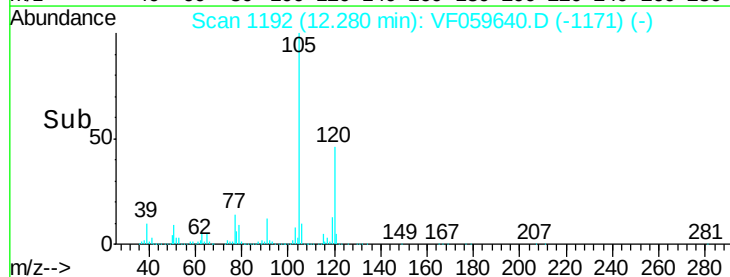
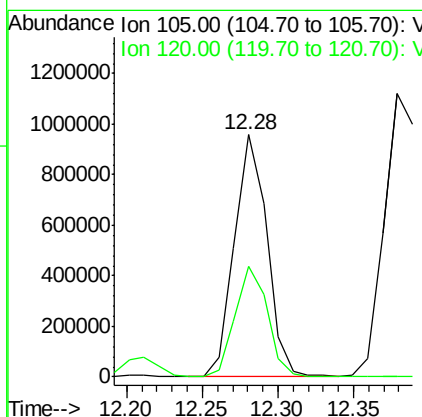
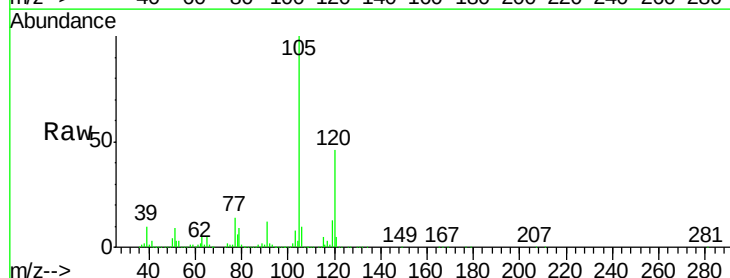
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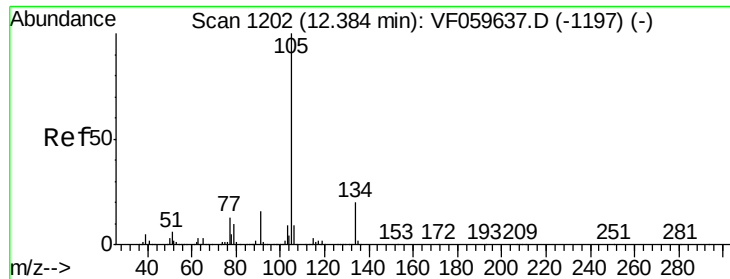
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#84
 1,2,4-Trimethylbenzene
 Concen: 126.561 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Tgt Ion:105 Resp: 1434195
 Ion Ratio Lower Upper
 105 100
 120 45.8 21.4 64.2





#85

sec-Butylbenzene

Concen: 129.689 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1860496

Ion Ratio Lower Upper

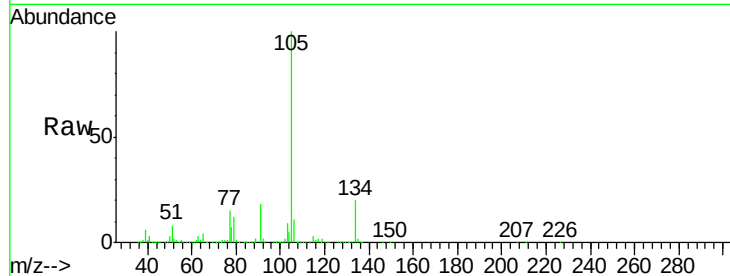
105 100

134 20.3 9.9 29.7

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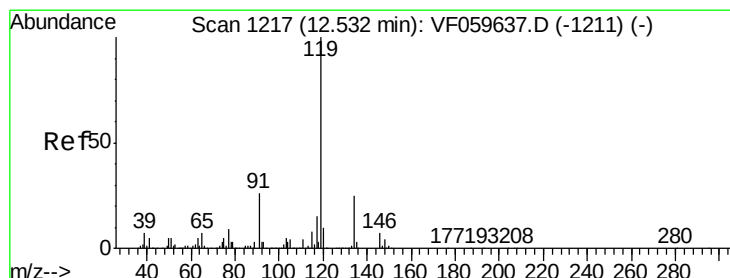
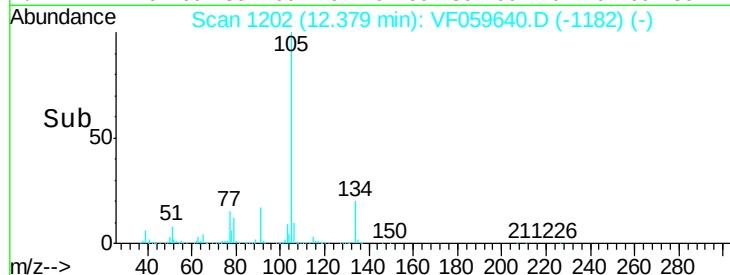
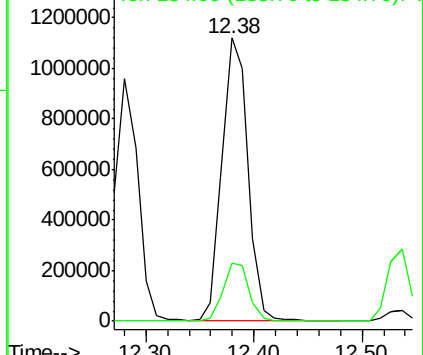
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 126.610 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

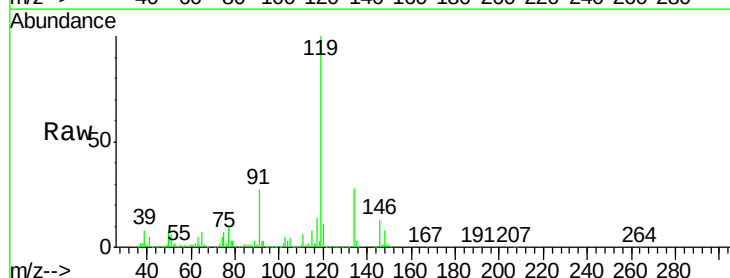
Tgt Ion:119 Resp: 1589960

Ion Ratio Lower Upper

119 100

134 27.6 12.4 37.0

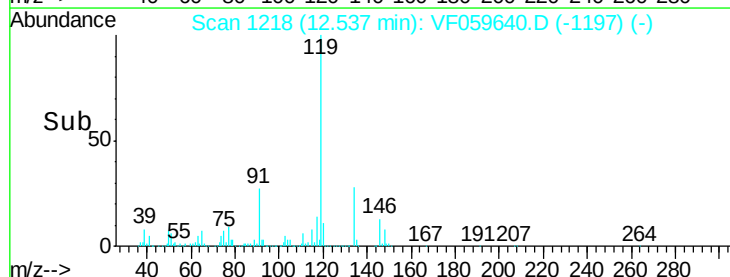
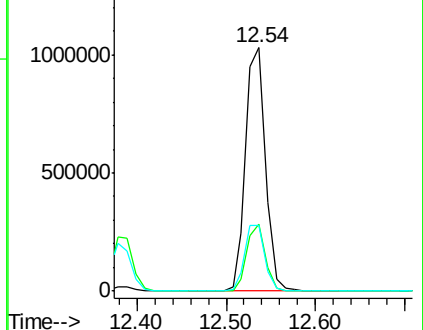
91 26.8 13.1 39.1

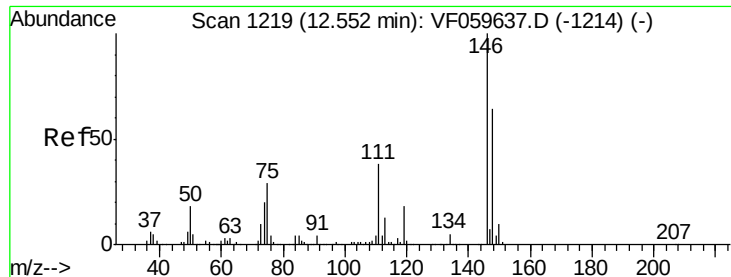


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





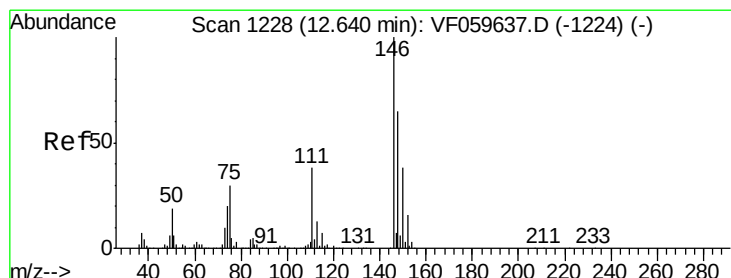
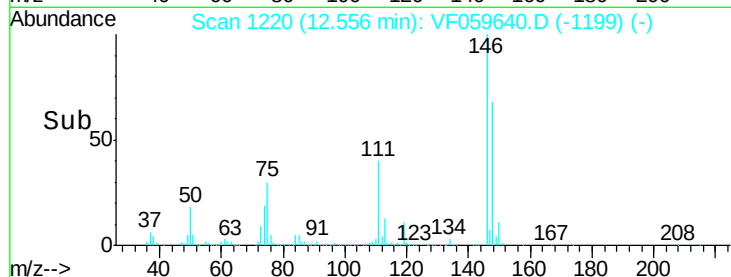
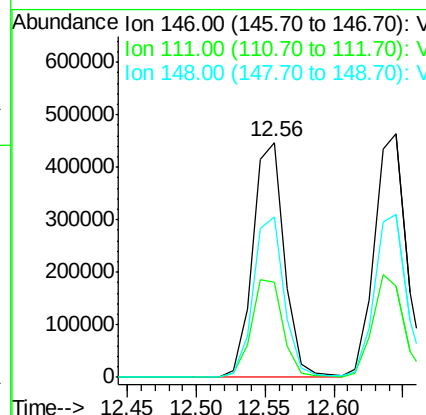
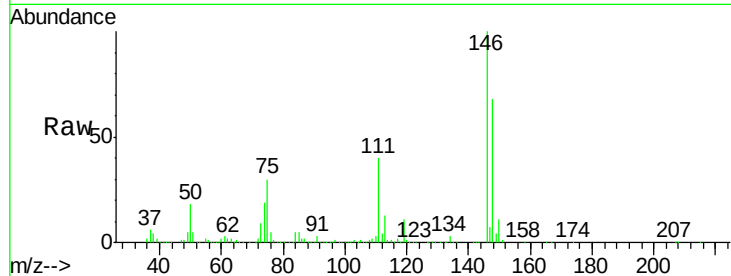
#87
 1,3-Dichlorobenzene
 Concen: 116.591 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	19.1	57.1
148	68.2	31.9	95.9

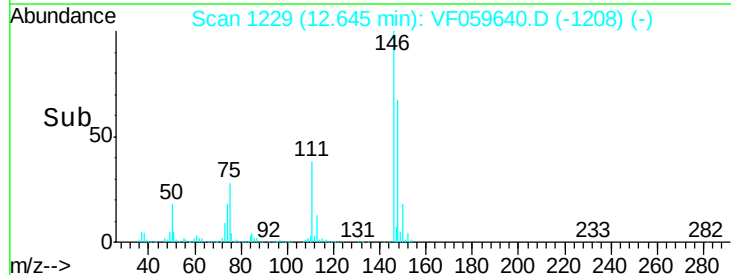
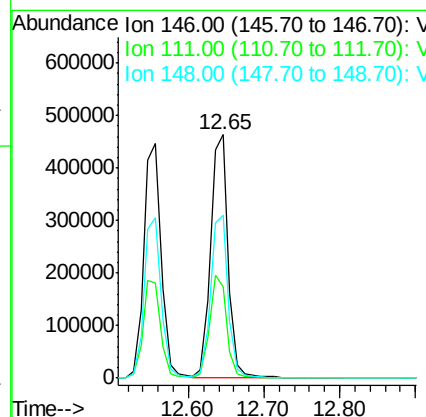
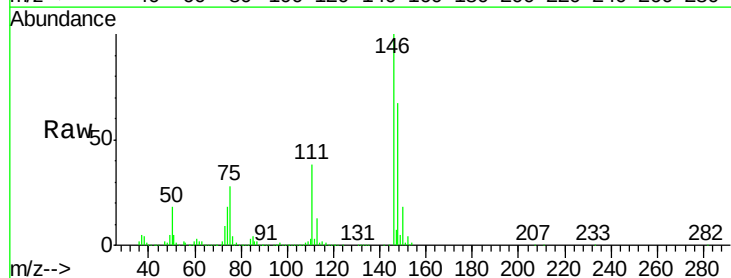
Manual Integrations
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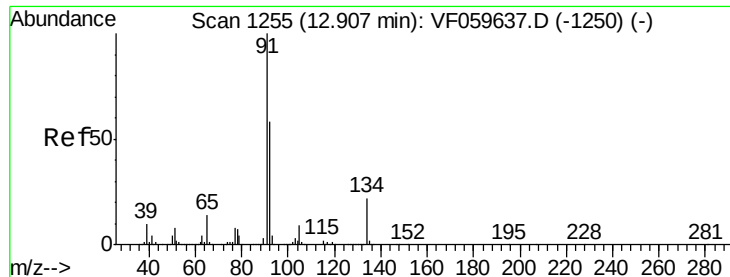
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#88
 1,4-Dichlorobenzene
 Concen: 130.815 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.1	57.1
148	66.9	32.4	97.2





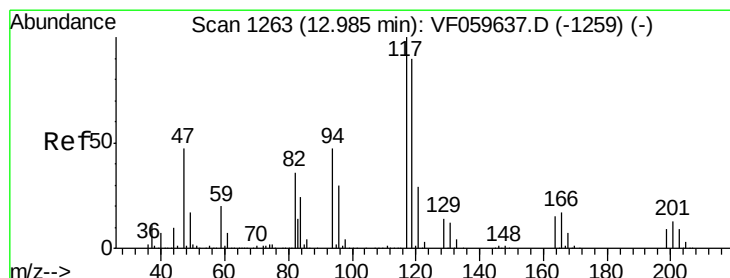
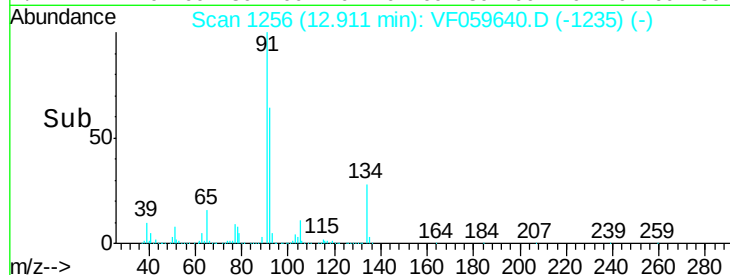
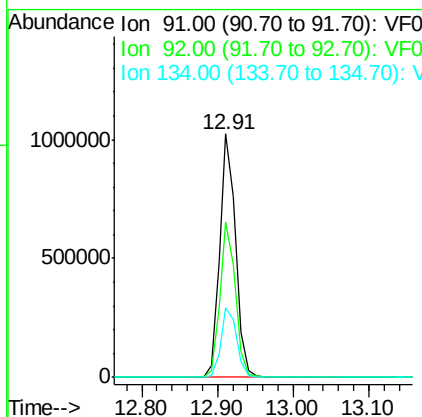
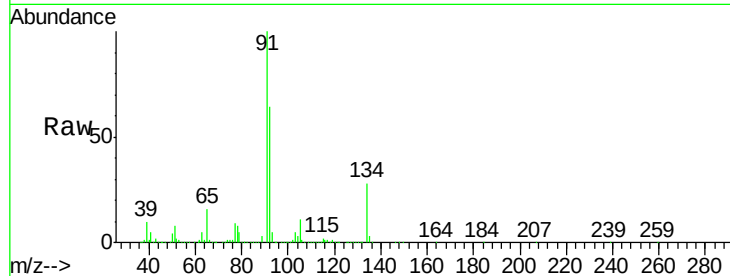
#89
n-Butylbenzene
Concen: 125.440 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
91	100		
92	63.5	29.1	87.3
134	28.5	11.2	33.6

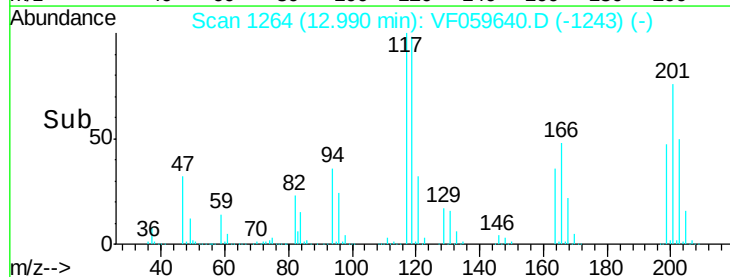
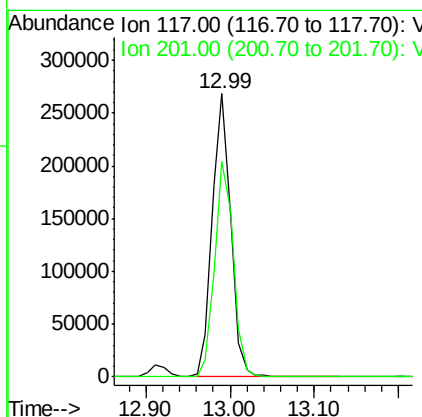
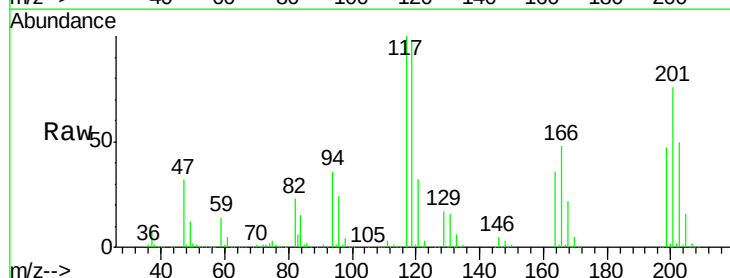
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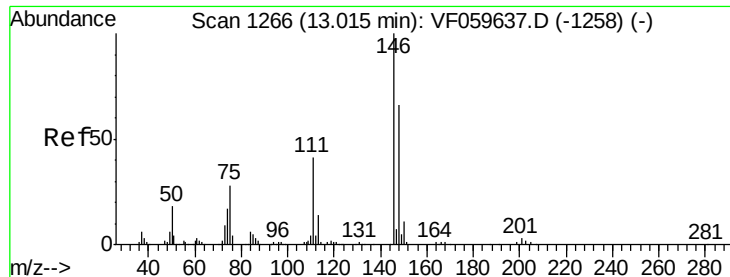
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#90
Hexachloroethane
Concen: 130.285 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059640.D
Acq: 24 Jul 2018 18:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.3	6.6	19.7#





#91

1,2-Dichlorobenzene

Concen: 123.444 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

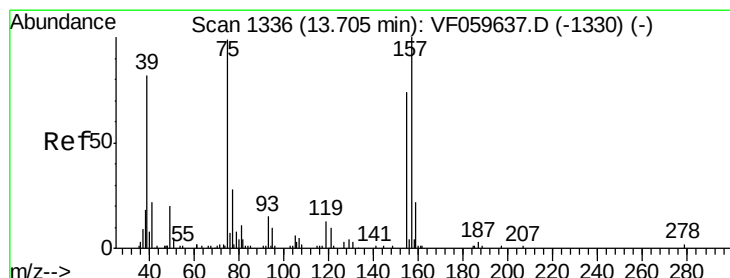
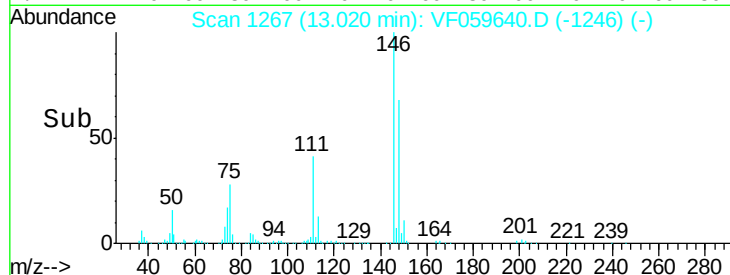
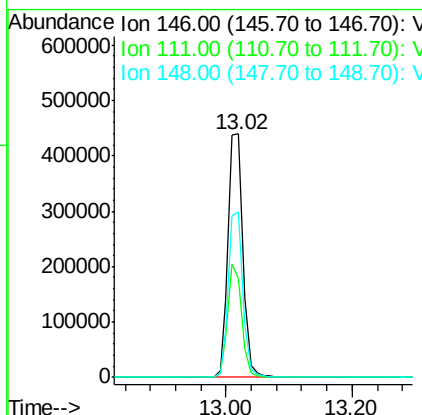
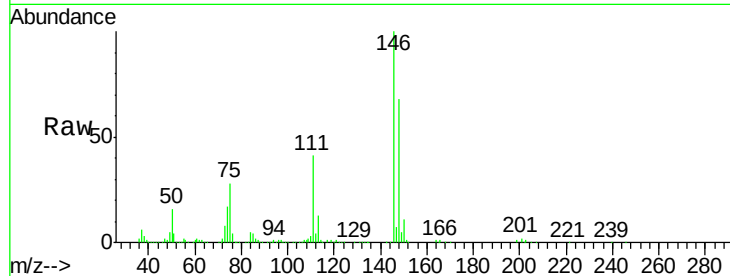
ClientSampleId :

VSTDIC150

Tot Ion:	146	Resp:	717243
Ion Ratio		Lower	Upper
146	100		
111	40.9	20.3	61.0
148	68.1	32.9	98.6

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 134.577 ug/l

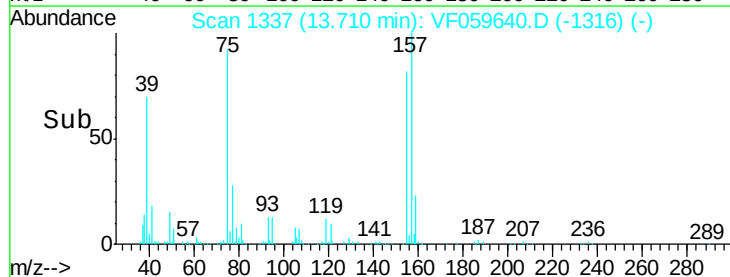
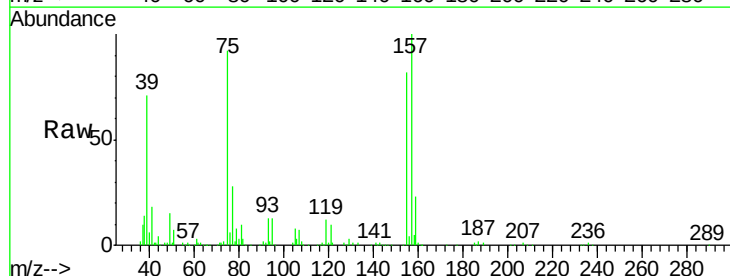
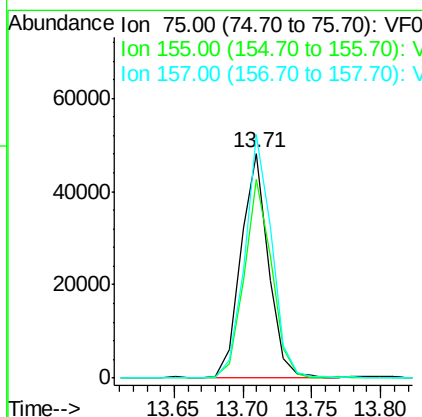
RT: 13.71 min Scan# 1337

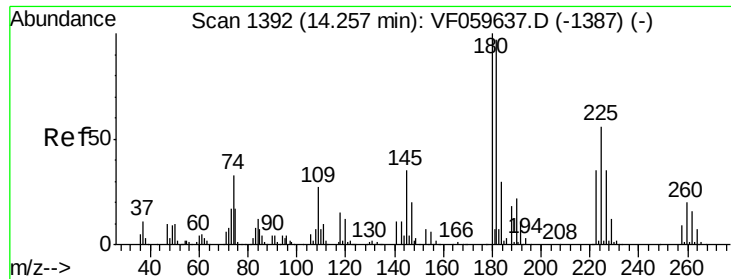
Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Tgt Ion:	75	Resp:	67471
Ion Ratio		Lower	Upper
75	100		
155	88.5	37.5	112.7
157	108.3	50.6	151.9





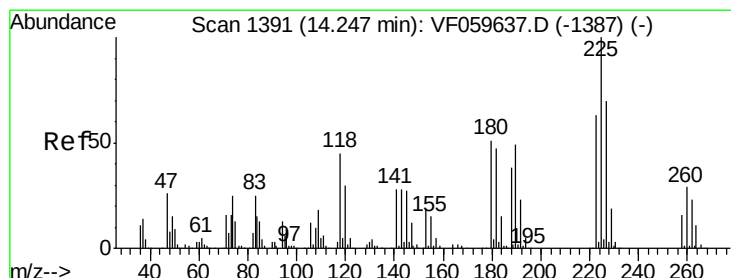
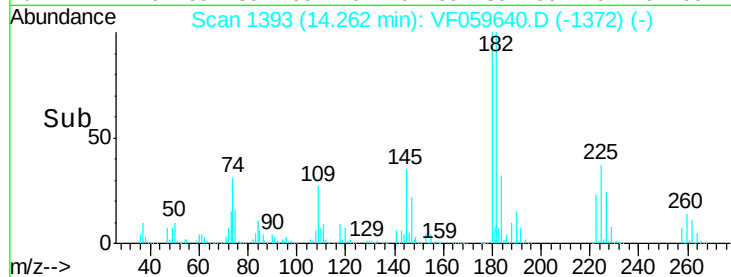
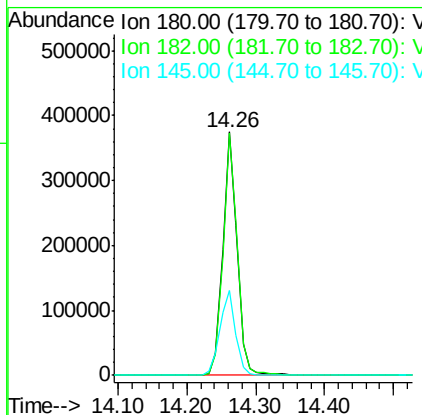
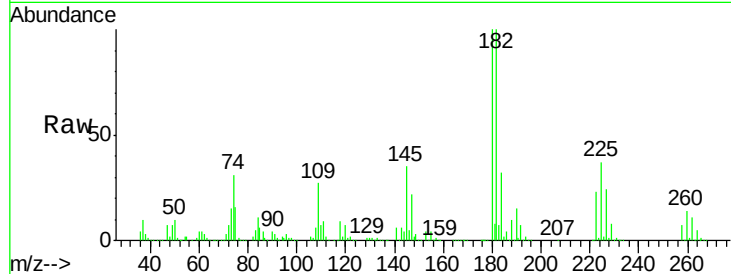
#93
 1,2,4-Trichlorobenzene
 Concen: 124.753 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.5	48.5	145.6	
145	34.8	17.4	52.2	

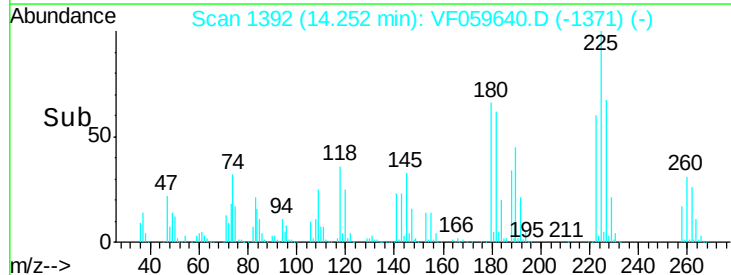
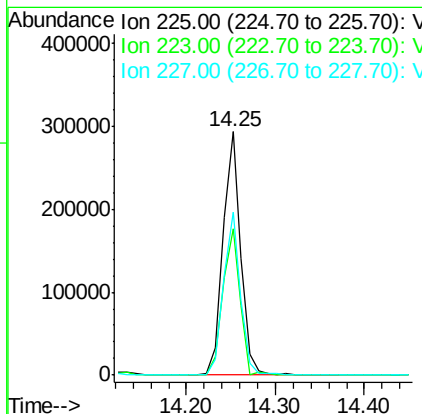
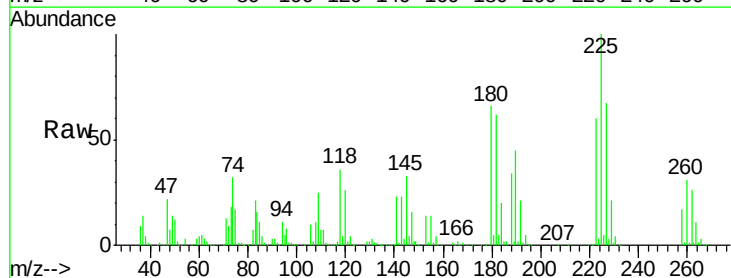
Manual Integrations
 APPROVED

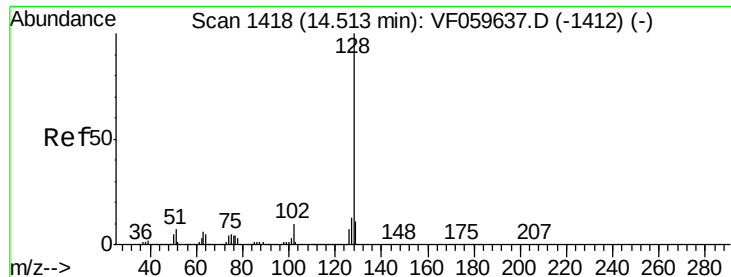
apatel
 7/25/2018 2:32:23 PM



#94
 Hexachlorobutadiene
 Concen: 135.516 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059640.D
 Acq: 24 Jul 2018 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	60.3	33.3	99.8	
227	66.8	34.8	104.4	





#95

Naphthalene

Concen: 138.442 ug/l

RT: 14.52 min Scan# 1419

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Instrument :

MSVOA_F

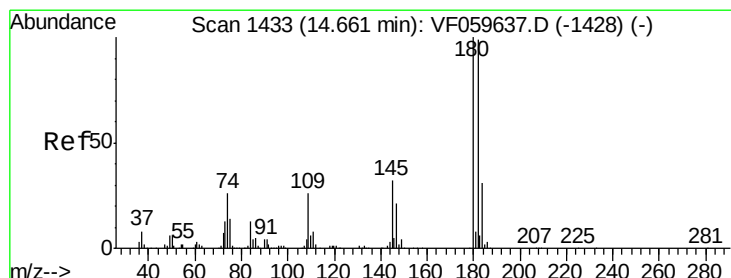
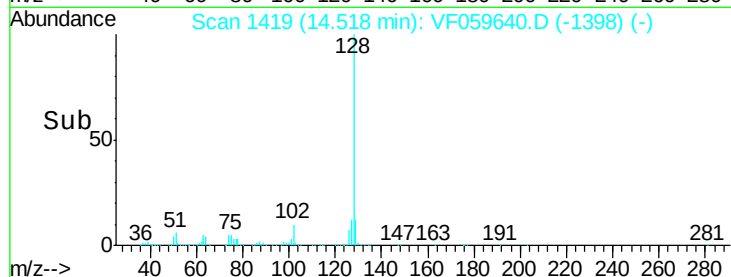
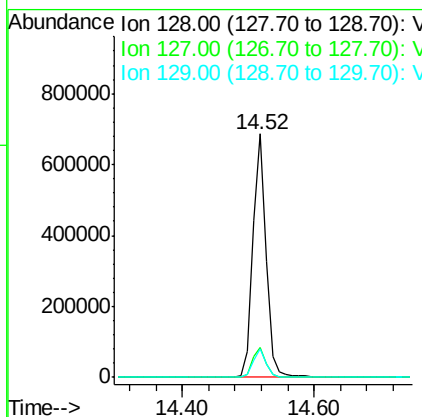
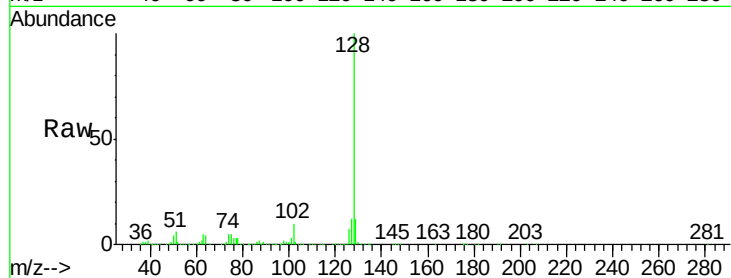
ClientSampleId :

VSTDIC150

Tot Ion:	128	Resp:	968953
Ion Ratio	Lower	Upper	
128	100		
127	12.3	10.1	15.1
129	11.8	9.1	13.7

Manual Integrations
APPROVED

apatel
7/25/2018 2:32:23 PM



#96

1,2,3-Trichlorobenzene

Concen: 133.192 ug/l

RT: 14.67 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VF059640.D

Acq: 24 Jul 2018 18:54

Tgt Ion:	180	Resp:	524305
Ion Ratio	Lower	Upper	
180	100		
182	100.9	49.5	148.5
145	32.2	16.0	48.0

