

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF072418\
 Data File : VF059641.D
 Acq On : 24 Jul 2018 19:49
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 90 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VICVVF072418

Manual Integrations
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 7/25/2018 2:32:26 PM

Quant Time: Jul 25 02:36:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 02:29:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	256057	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	365990	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	322152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	203329	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	174299	48.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.70%	
35) Dibromofluoromethane	4.28	113	158710	48.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.36%	
50) Toluene-d8	7.70	98	406963	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	11.50	95	199892	48.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.92%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.98	85	136475	45.527	ug/l	94
3) Chloromethane	1.08	50	75864	51.452	ug/l	99
4) Vinyl Chloride	1.15	62	85042	51.379	ug/l	92
5) Bromomethane	1.33	94	59360	49.332	ug/l	99
6) Chloroethane	1.42	64	49107	49.334	ug/l	94
7) Trichlorofluoromethane	1.53	101	211235m	47.026	ug/l	
8) Diethyl Ether	1.69	74	29341	46.913	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.89	101	116174	54.756	ug/l	93
10) Methyl Iodide	1.92	142	176789	47.785	ug/l	95
11) Tert butyl alcohol	2.67	59	34606	260.459	ug/l	95
12) 1,1-Dichloroethene	1.84	96	88899	53.673	ug/l	83
13) Acrolein	2.08	56	18194	279.295	ug/l	93
14) Allyl chloride	2.18	41	145042	47.763	ug/l	94
15) Acrylonitrile	3.06	53	54376	237.762	ug/l #	83
16) Acetone	2.33	43	110871	208.835	ug/l	95
17) Carbon Disulfide	1.83	76	218646	52.812	ug/l	98
18) Methyl Acetate	2.44	43	45829	53.752	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	217201	47.028	ug/l	98
20) Methylene Chloride	2.26	84	78151	52.705	ug/l	98
21) trans-1,2-Dichloroethene	2.40	96	91008	49.465	ug/l	98
22) Diisopropyl ether	2.92	45	290665	49.903	ug/l	97
23) Vinyl Acetate	3.32	43	672146	250.149	ug/l #	96
24) 1,1-Dichloroethane	2.98	63	197662	47.704	ug/l	99
25) 2-Butanone	4.49	43	155311	240.540	ug/l	94
26) 2,2-Dichloropropane	3.74	77	154089	51.264	ug/l	96
27) cis-1,2-Dichloroethene	3.62	96	108679	48.265	ug/l	97
28) Bromochloromethane	3.87	49	66907	50.880	ug/l	99
29) Tetrahydrofuran	4.24	42	61956	267.147	ug/l	97
30) Chloroform	4.02	83	273572	47.590	ug/l	96
31) Cyclohexane	3.85	56	122831	50.927	ug/l	96
32) 1,1,1-Trichloroethane	4.26	97	220741	45.058	ug/l	93
36) 1,1-Dichloropropene	4.44	75	178219	47.528	ug/l	97
37) Ethyl Acetate	4.27	43	65071	50.684	ug/l #	74
38) Carbon Tetrachloride	4.15	117	237435	45.885	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	147312	48.438	ug/l	90
40) Benzene	4.80	78	333214	48.039	ug/l	99
41) Methacrylonitrile	4.91	41	31395	44.761	ug/l	97
42) 1,2-Dichloroethane	5.10	62	187297	45.569	ug/l	96
43) Isopropyl Acetate	7.09	43	77183	46.802	ug/l #	93
44) Trichloroethene	5.66	130	126497	49.409	ug/l	98
45) 1,2-Dichloropropane	6.39	63	82639	47.056	ug/l	97
46) Dibromomethane	6.24	93	66663	44.939	ug/l	96
47) Bromodichloromethane	6.53	83	198807	45.837	ug/l	94
48) Methyl methacrylate	6.86	41	54997	45.302	ug/l	95
49) 1,4-Dioxane	6.85	88	8412	900.444	ug/l #	71
51) 4-Methyl-2-Pentanone	8.40	43	289177	238.580	ug/l	100
52) Toluene	7.77	92	231133	51.722	ug/l	98
53) t-1,3-Dichloropropene	8.42	75	155250	44.920	ug/l	97
54) cis-1,3-Dichloropropene	7.44	75	173181	47.404	ug/l	98
55) 1,1,2-Trichloroethane	8.62	97	74977	48.479	ug/l	94
56) Ethyl methacrylate	8.75	69	75266	45.527	ug/l	97
57) 1,3-Dichloropropane	8.99	76	121570	45.913	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.77	63	46340	218.374	ug/l	100
59) 2-Hexanone	9.62	43	227341	245.611	ug/l	94
60) Dibromochloromethane	8.85	129	132487	46.332	ug/l	93
61) 1,2-Dibromoethane	9.13	107	84286	44.631	ug/l	95
64) Tetrachloroethene	8.30	164	131578	51.544	ug/l	94
65) Chlorobenzene	9.92	112	287427	48.158	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	132980	48.064	ug/l	94
67) Ethyl Benzene	10.03	91	545886	50.897	ug/l	100
68) m/p-Xylenes	10.26	106	374370	97.693	ug/l	99
69) o-Xylene	10.82	106	207123	50.774	ug/l	94
70) Styrene	10.89	104	292624	49.672	ug/l	99
71) Bromoform	10.88	173	78098	50.141	ug/l #	91
73) Isopropylbenzene	11.22	105	672890	52.656	ug/l	98
74) N-amyl acetate	11.45	43	152340	55.597	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.78	83	95416	49.305	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	79801	49.924	ug/l	87
77) Bromobenzene	11.59	156	156179	49.958	ug/l	93
78) n-propylbenzene	11.68	91	747866	49.165	ug/l	98
79) 2-Chlorotoluene	11.81	91	445616	48.675	ug/l	97
80) 1,3,5-Trimethylbenzene	11.91	105	557755	49.128	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.94	75	50855	51.687	ug/l #	79
82) 4-Chlorotoluene	11.98	91	474568	48.578	ug/l	97
83) tert-Butylbenzene	12.21	119	568239	49.645	ug/l	96
84) 1,2,4-Trimethylbenzene	12.28	105	576787	49.499	ug/l	99
85) sec-Butylbenzene	12.38	105	735848	48.220	ug/l	98
86) p-Isopropyltoluene	12.54	119	647274	48.723	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	295750	54.537	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	290328	47.901	ug/l	97
89) n-Butylbenzene	12.91	91	622723	54.554	ug/l	98
90) Hexachloroethane	12.99	117	160160	49.421	ug/l #	1
91) 1,2-Dichlorobenzene	13.01	146	283304	48.496	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	25042	50.182	ug/l	98

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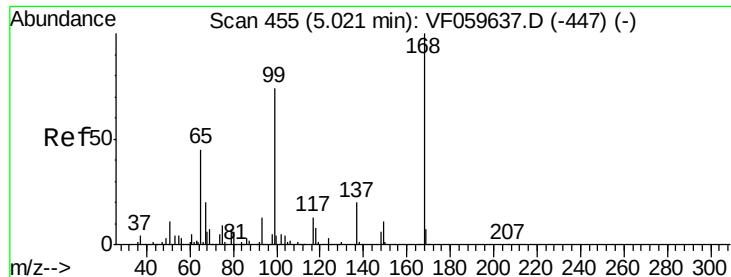
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	226284	54.920	ug/l	100
94) Hexachlorobutadiene	14.25	225	167938	49.762	ug/l	93
95) Naphthalene	14.52	128	377681	52.176	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	213573	51.747	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.02 min Scan# 456

Delta R.T. 0.00 min

Lab File: VF059641.D

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MSVOA_F

ClientSampleId :

VICVF072418

Tot Ion:168 Resp: 256057

Ion Ratio Lower Upper

168 100

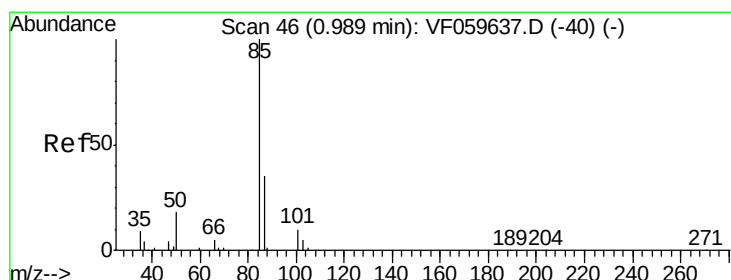
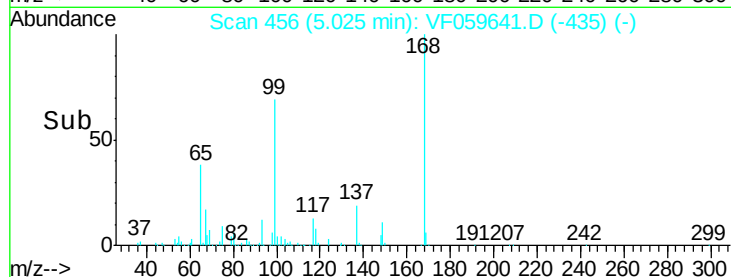
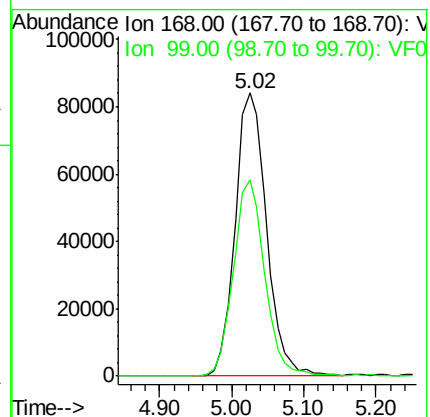
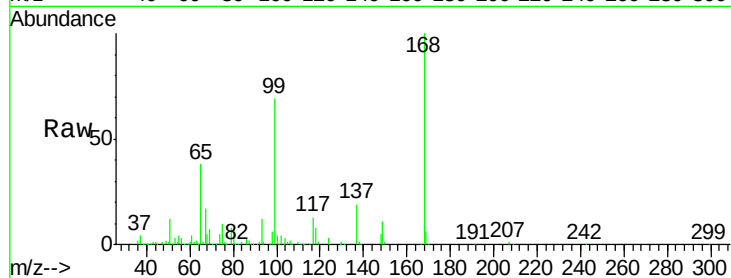
99 69.2 59.5 89.3

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7/25/2018 2:32:26 PM



#2

Dichlorodifluoromethane

Concen: 45.527 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.01 min

Lab File: VF059641.D

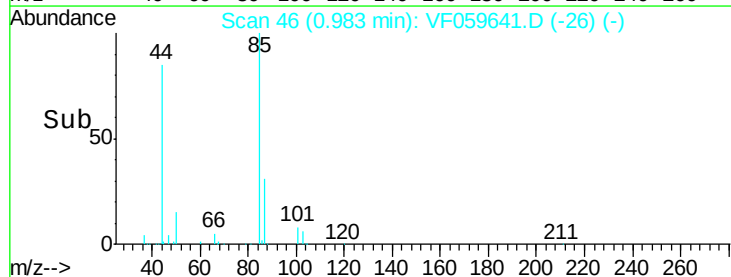
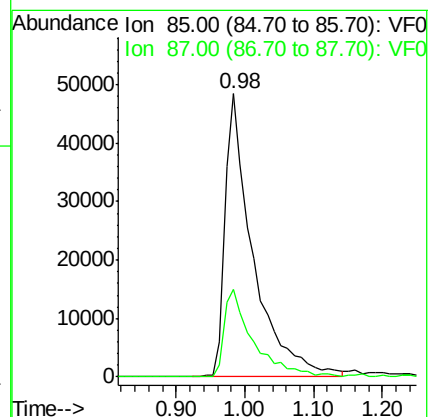
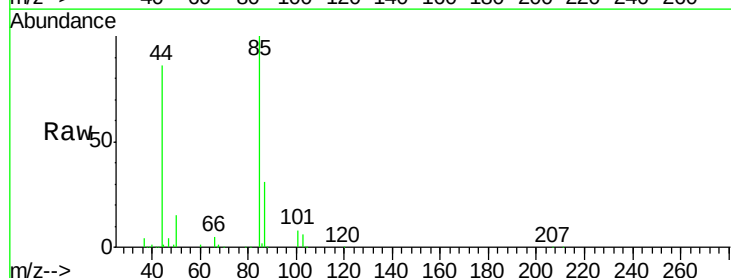
Acq: 24 Jul 2018 19:49

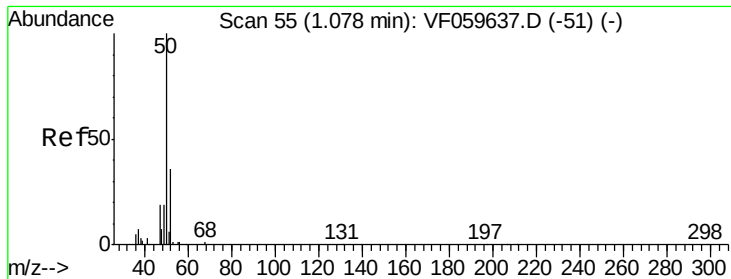
Tgt Ion: 85 Resp: 136475

Ion Ratio Lower Upper

85 100

87 31.1 17.4 52.2





#3

Chloromethane

Concen: 51.452 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVF072418

Tot Ion: 50 Resp: 75864

Ion Ratio Lower Upper

50 100

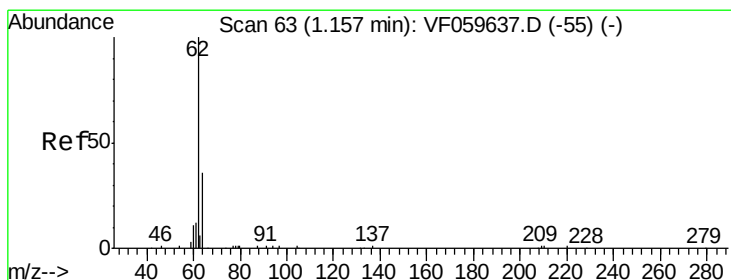
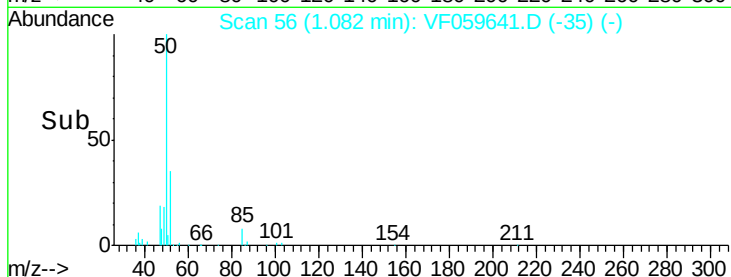
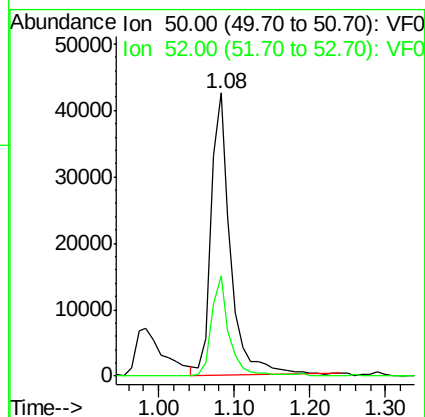
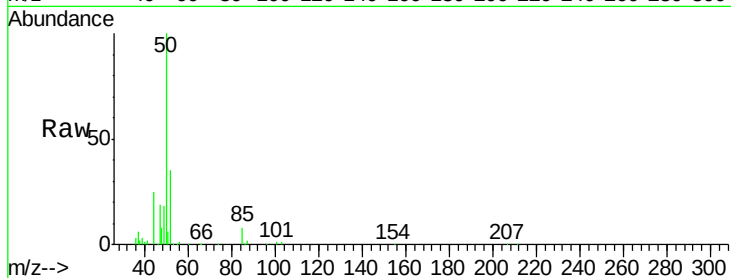
52 35.7 28.0 42.0

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7/25/2018 2:32:26 PM



#4

Vinyl Chloride

Concen: 51.379 ug/l

RT: 1.15 min Scan# 63

Delta R.T. -0.01 min

Lab File: VF059641.D

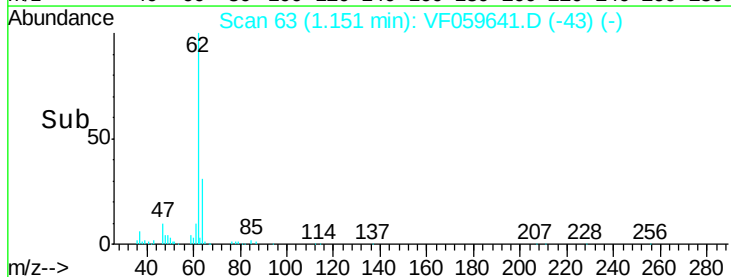
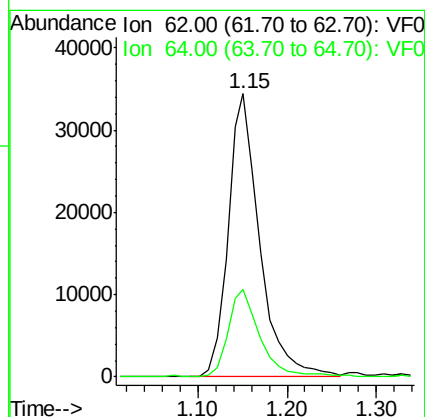
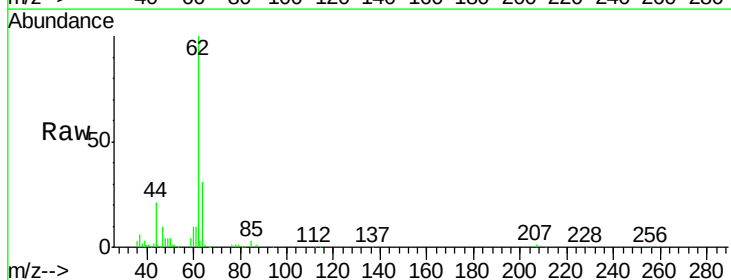
Acq: 24 Jul 2018 19:49

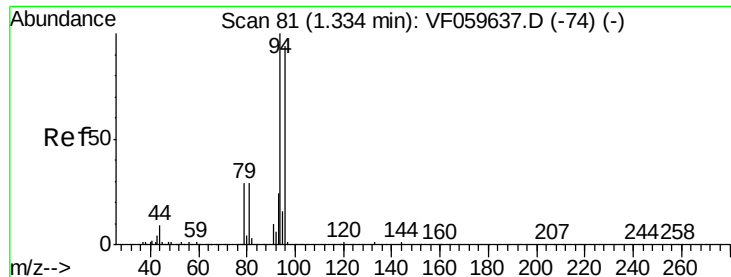
Tgt Ion: 62 Resp: 85042

Ion Ratio Lower Upper

62 100

64 31.0 28.6 43.0





#5

Bromomethane

Concen: 49.332 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

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Tot Ion: 94 Resp: 59360

Ion Ratio Lower Upper

94 100

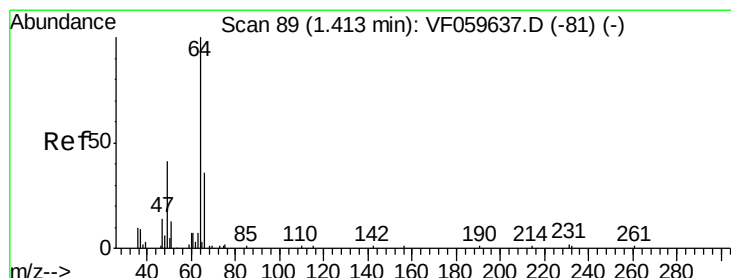
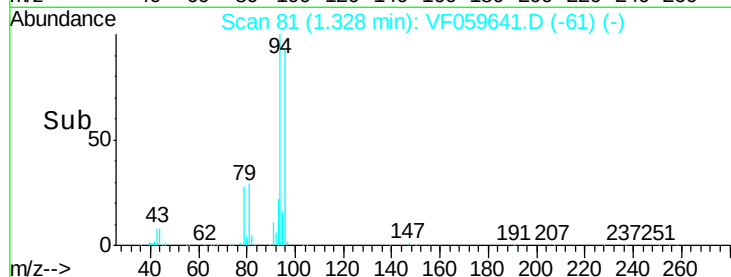
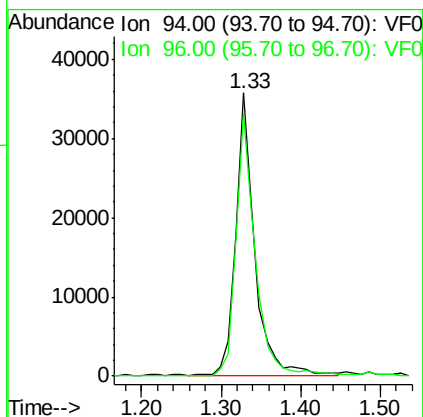
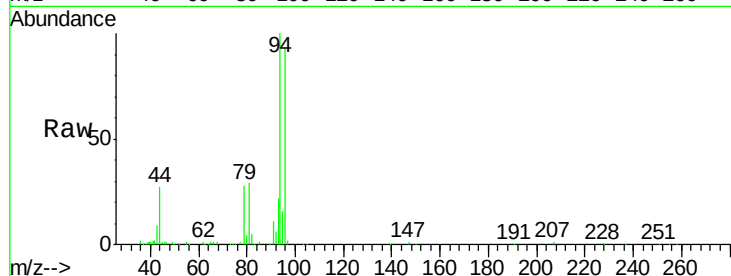
96 92.7 74.6 112.0

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7/25/2018 2:32:26 PM



#6

Chloroethane

Concen: 49.334 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059641.D

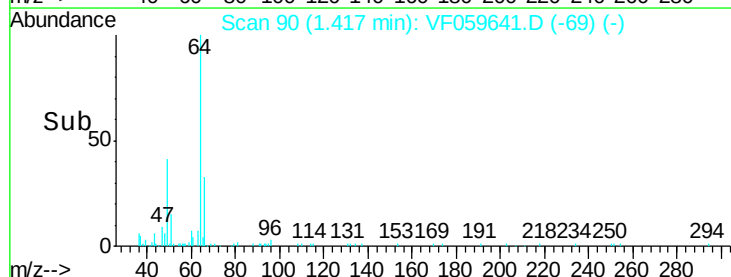
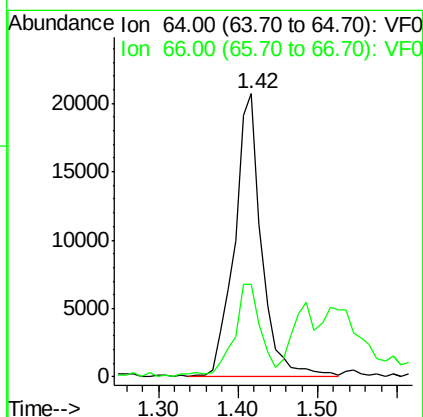
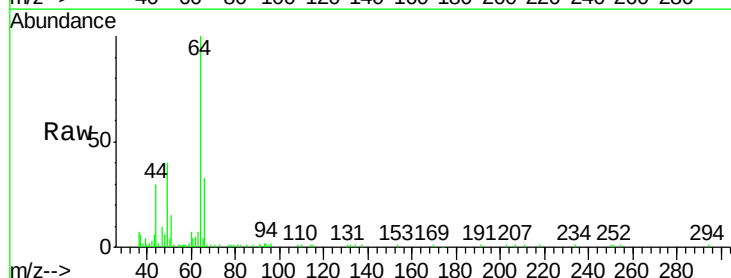
Acq: 24 Jul 2018 19:49

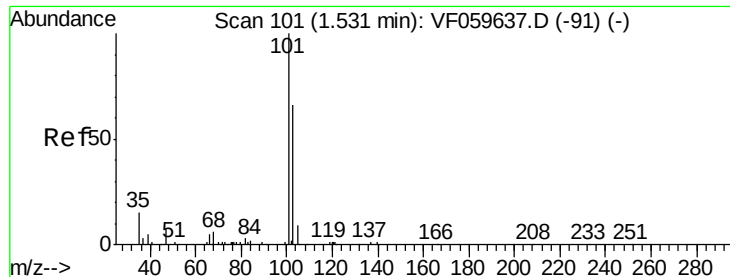
Tgt Ion: 64 Resp: 49107

Ion Ratio Lower Upper

64 100

66 32.8 29.0 43.6





#7

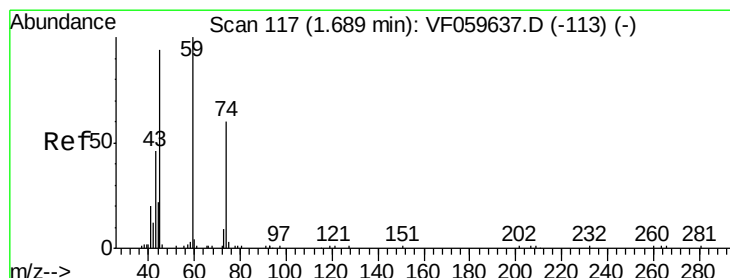
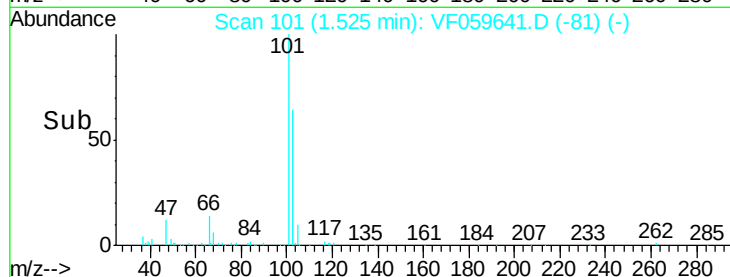
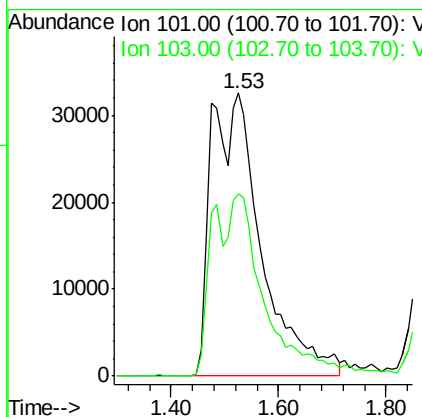
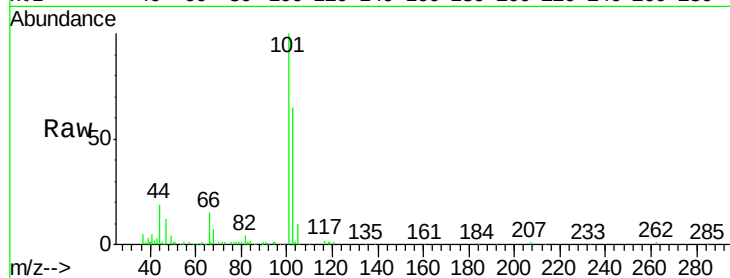
Trichlorofluoromethane
Concen: 47.026 ug/l m
RT: 1.53 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF059641.D
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ClientSampleId :
VICVVF072418

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.5	78.7

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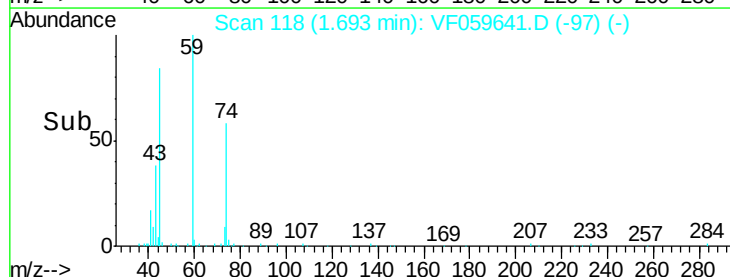
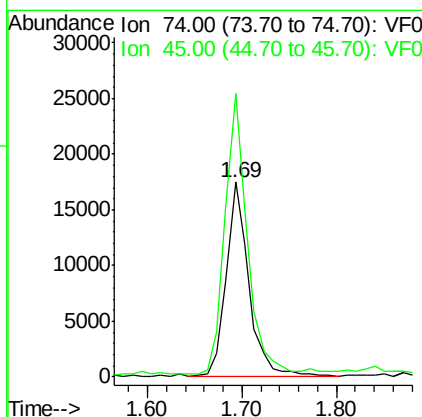
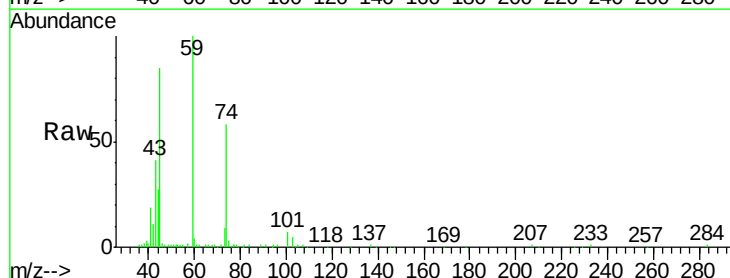
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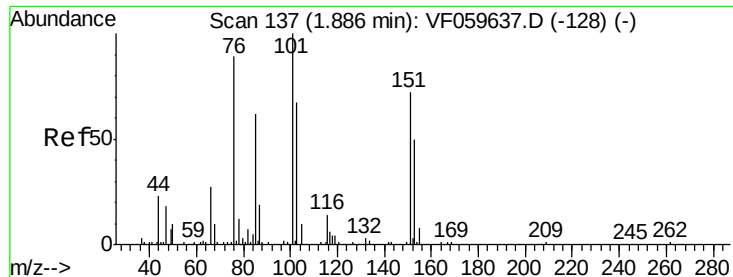


#8

Diethyl Ether
Concen: 46.913 ug/l
RT: 1.69 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	145.5	80.3	241.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.756 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

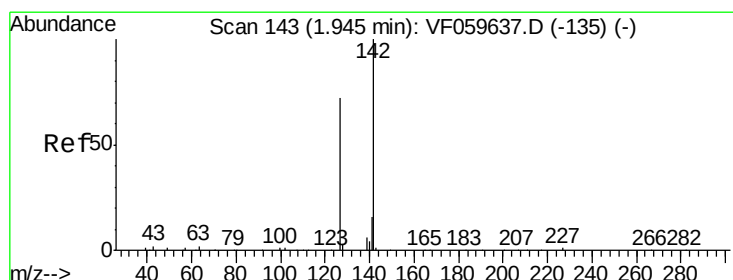
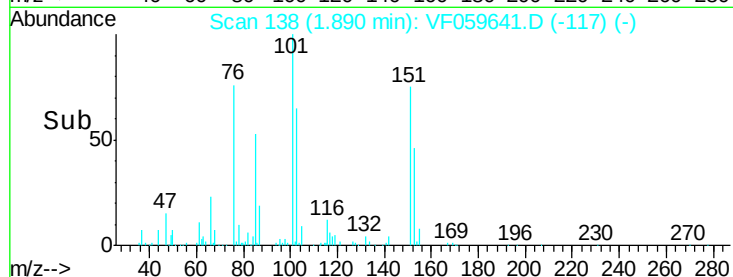
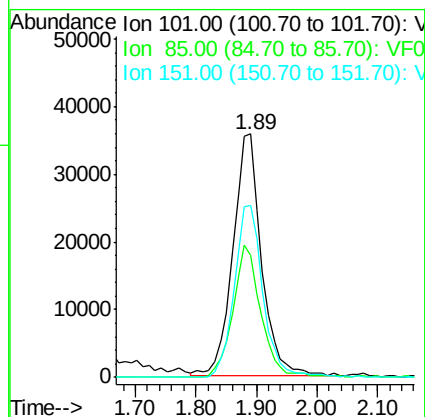
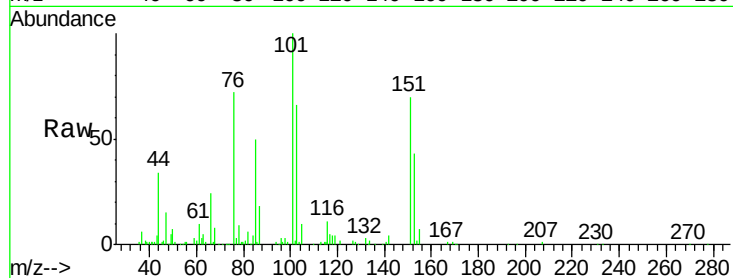
ClientSampleId :

VICVF072418

Tot Ion:	101	Resp:	116174
Ion Ratio	Lower	Upper	
101	100		
85	49.9	49.0	73.4
151	70.5	56.8	85.2

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#10

Methyl Iodide

Concen: 47.785 ug/l

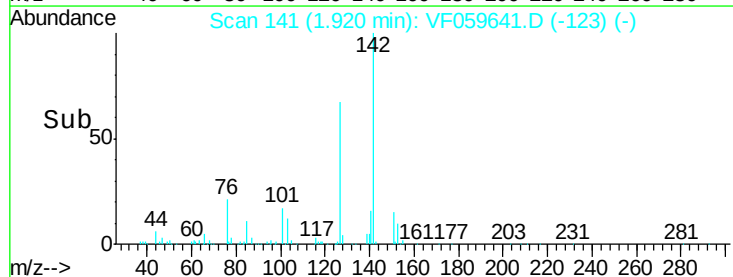
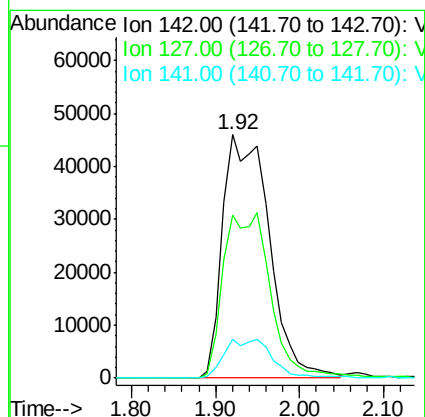
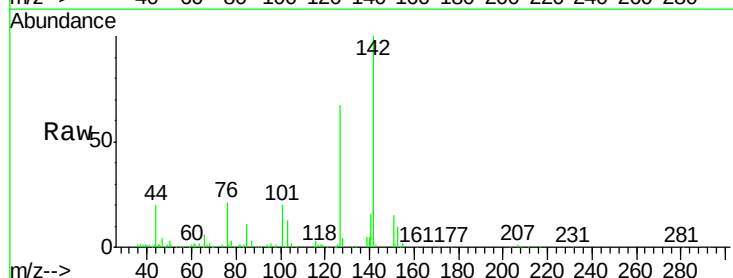
RT: 1.92 min Scan# 141

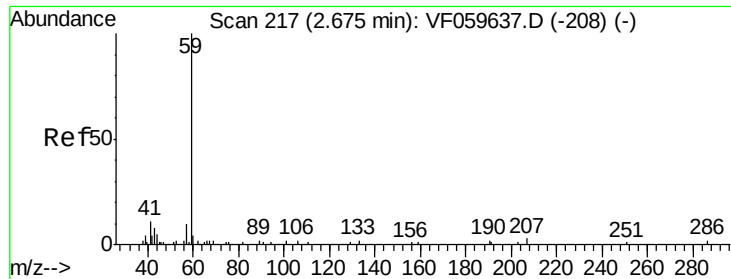
Delta R.T. -0.03 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Tgt Ion:	142	Resp:	176789
Ion Ratio	Lower	Upper	
142	100		
127	66.8	57.5	86.3
141	16.1	13.2	19.8





#11

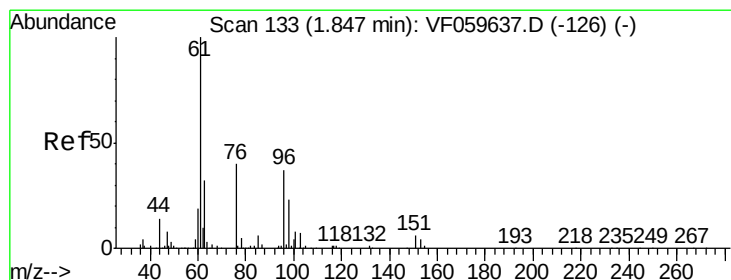
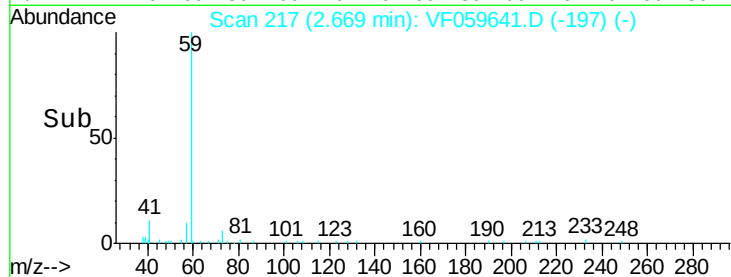
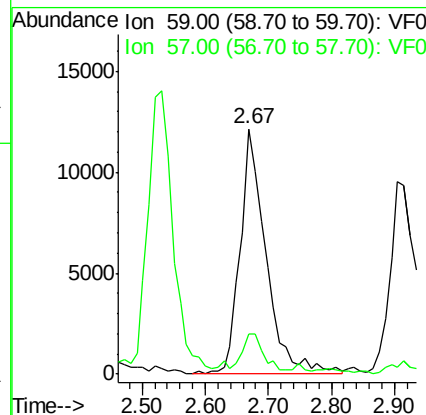
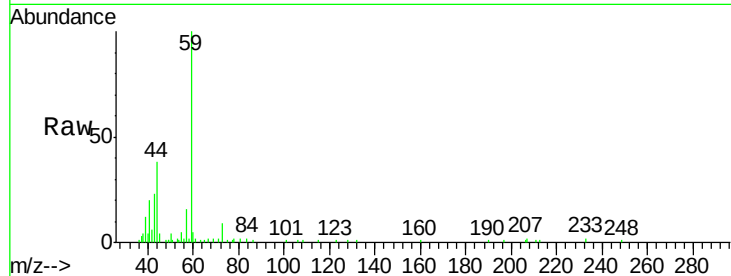
Tert butyl alcohol
Concen: 260.459 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Instrument :
MSVOA_F
ClientSampleId :
VICVVF072418

Tot Ion	Ratio	Lower	Upper
59	100		
57	16.3	11.4	17.2

Manual Integrations
APPROVED

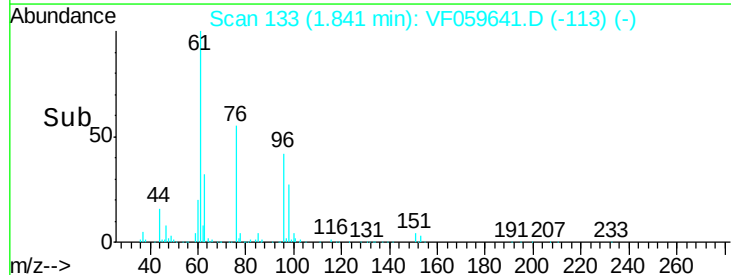
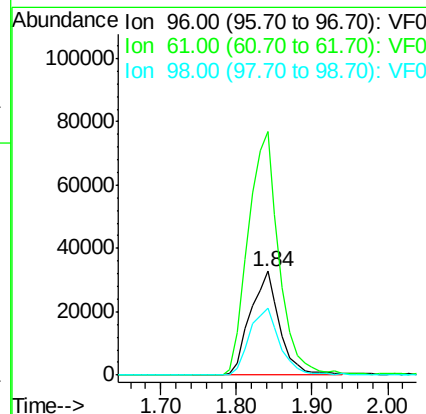
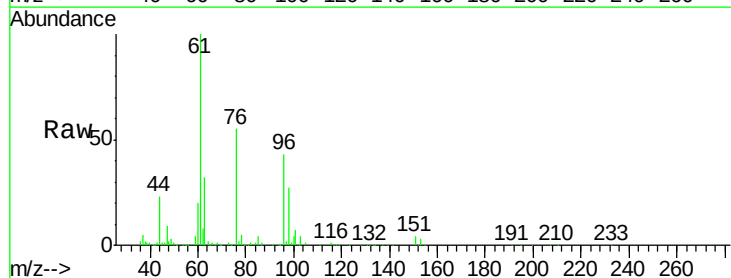
apatel
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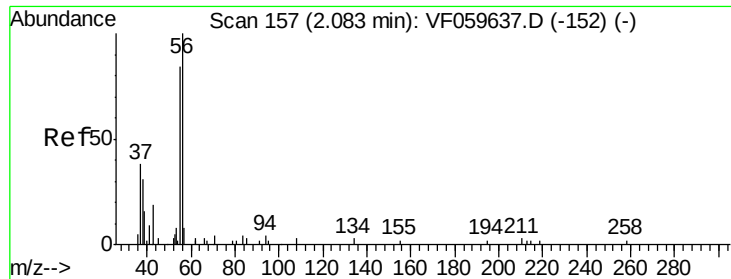


#12

1,1-Dichloroethene
Concen: 53.673 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	234.7	218.2	327.4
98	64.4	50.6	76.0





#13

Acrolein

Concen: 279.295 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVVF072418

Tot Ion: 56 Resp: 18194

Ion Ratio Lower Upper

56 100

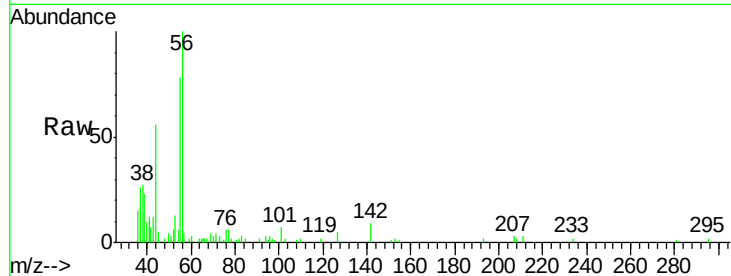
55 77.9 67.2 100.8

Manual Integrations

APPROVED

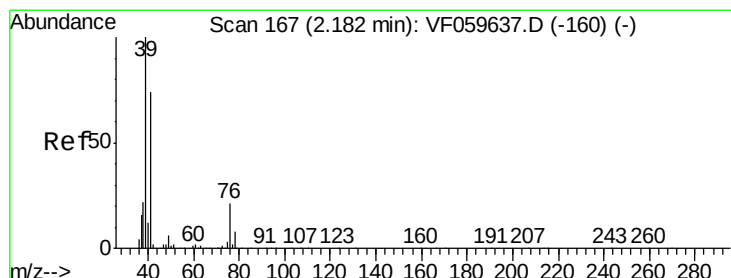
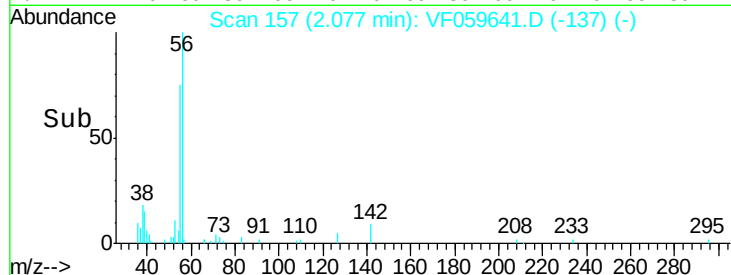
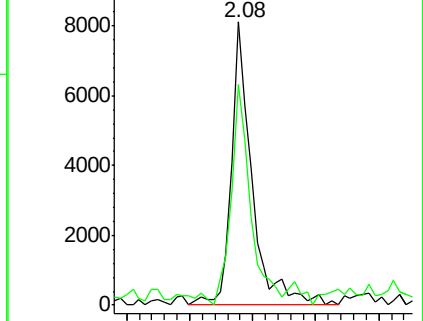
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 47.763 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

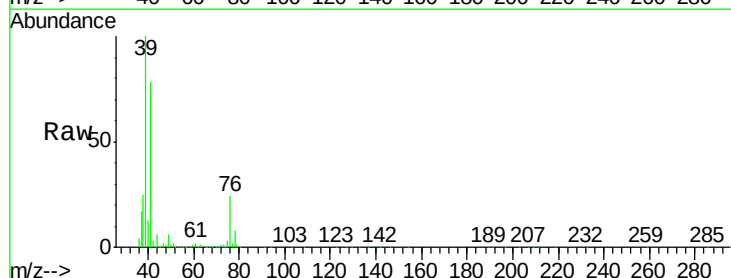
Tgt Ion: 41 Resp: 145042

Ion Ratio Lower Upper

41 100

39 127.7 108.6 162.8

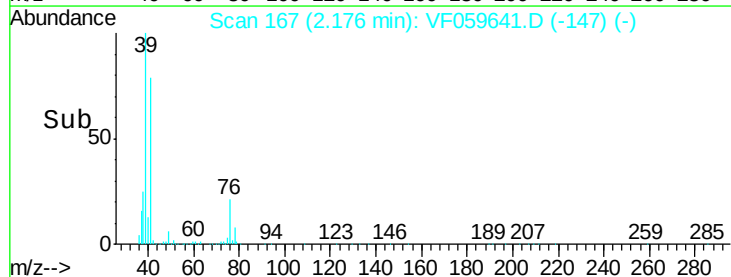
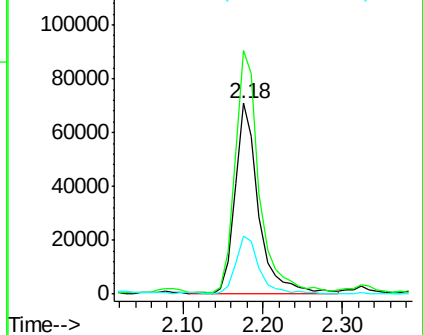
76 30.5 23.0 34.6

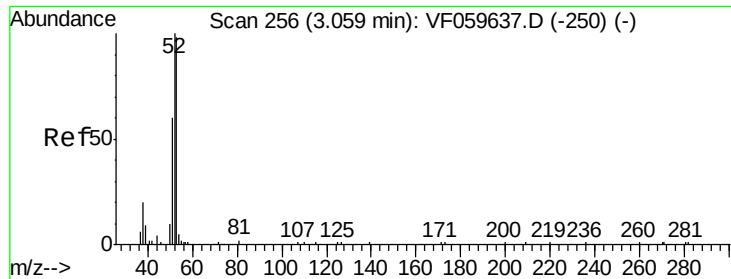


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 237.762 ug/l

RT: 3.06 min Scan# 257

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

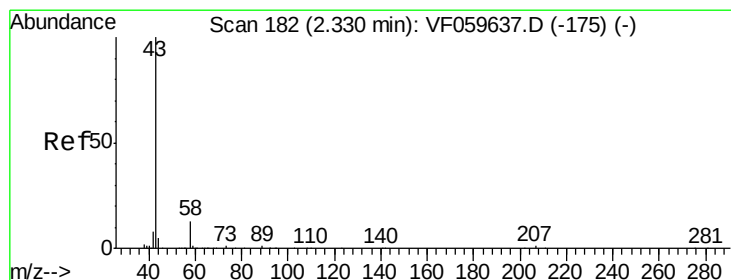
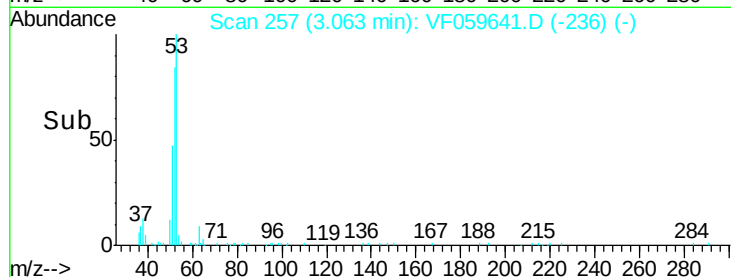
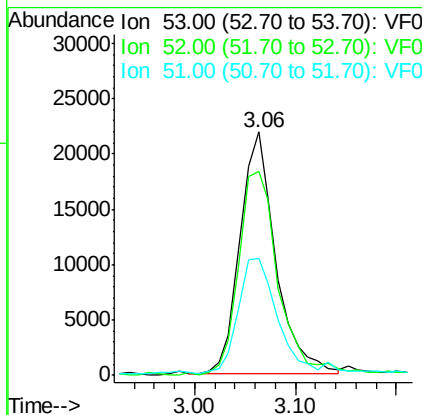
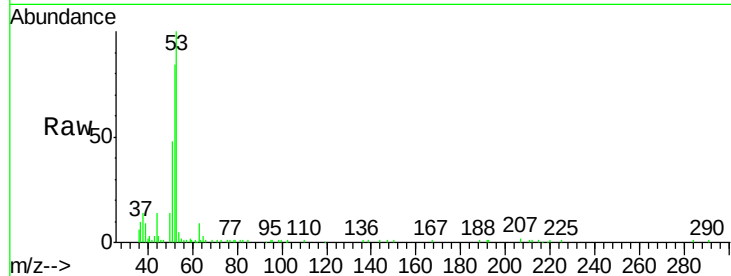
ClientSampleId :

VICVF072418

Tot Ion:	53	Resp:	54376
Ion	Ratio	Lower	Upper
53	100		
52	83.9	80.9	121.3
51	48.0	49.4	74.2#

Manual Integrations
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#16

Acetone

Concen: 208.835 ug/l

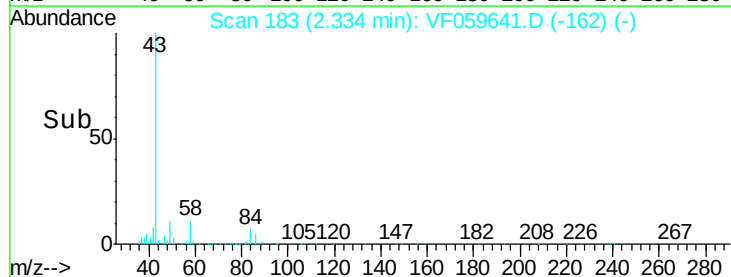
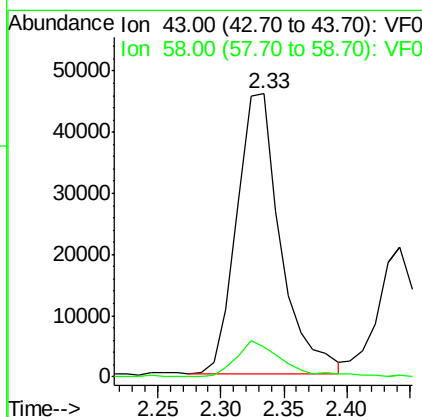
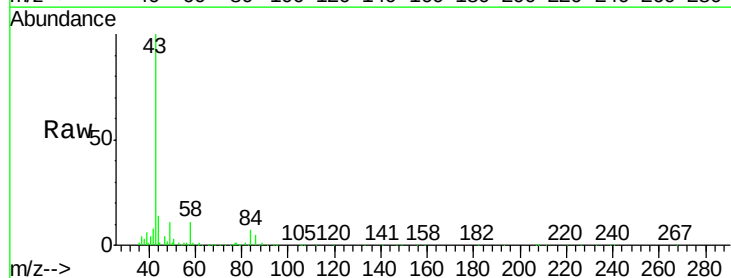
RT: 2.33 min Scan# 183

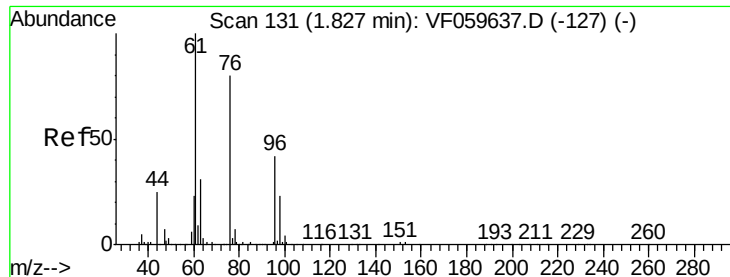
Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Tgt Ion:	43	Resp:	110871
Ion	Ratio	Lower	Upper
43	100		
58	10.8	10.2	15.2





#17

Carbon Disulfide

Concen: 52.812 ug/l

RT: 1.83 min Scan# 132

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVF072418

Tot Ion: 76 Resp: 218646

Ion Ratio Lower Upper

76 100

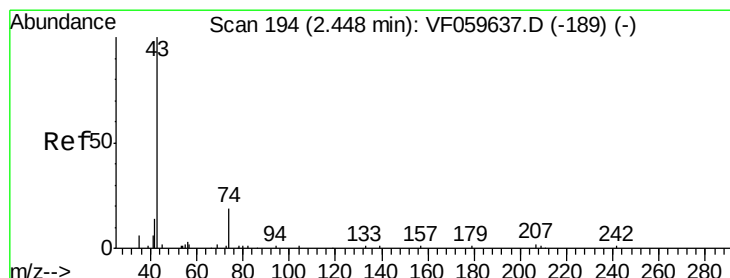
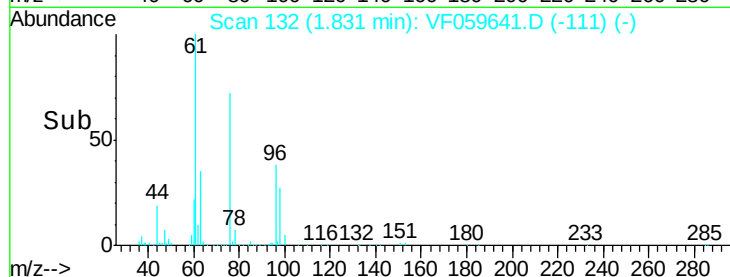
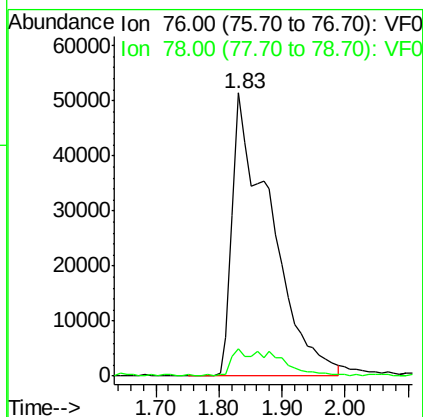
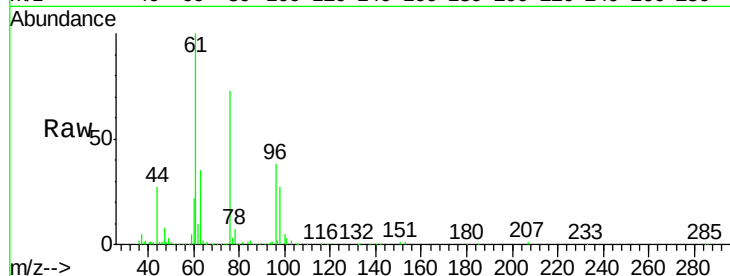
78 9.6 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 53.752 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.01 min

Lab File: VF059641.D

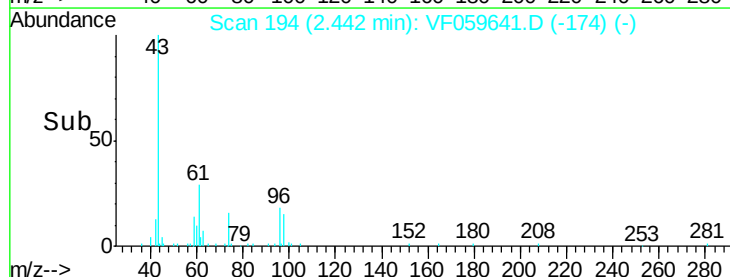
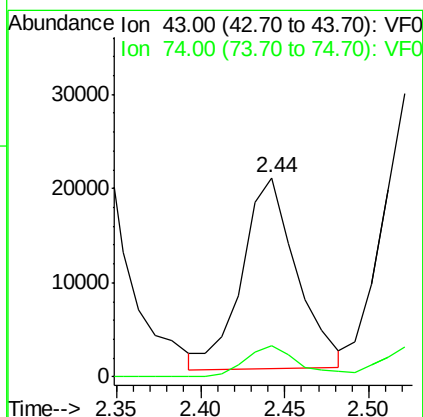
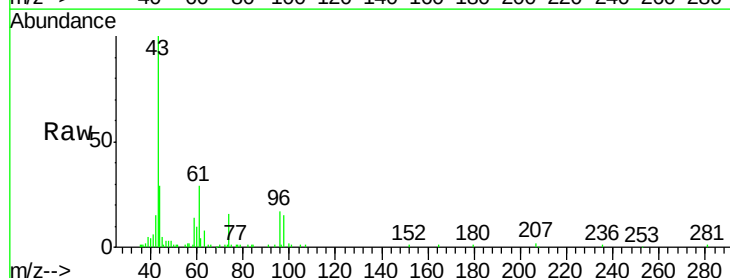
Acq: 24 Jul 2018 19:49

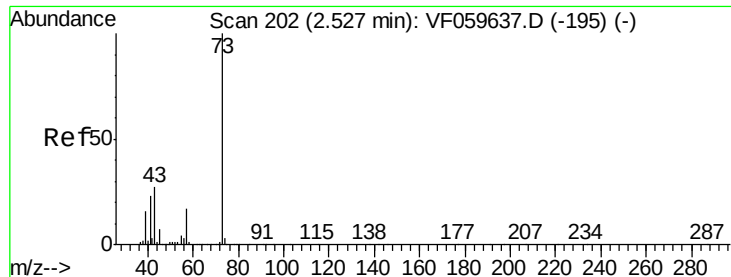
Tgt Ion: 43 Resp: 45829

Ion Ratio Lower Upper

43 100

74 16.0 13.0 19.6





#19

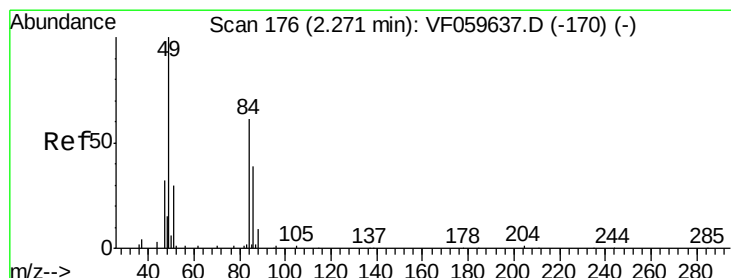
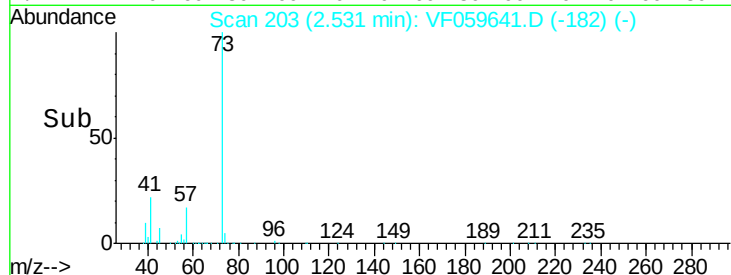
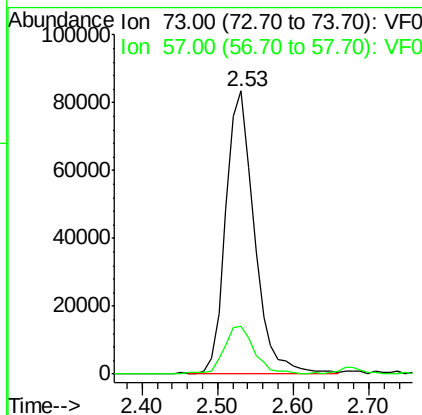
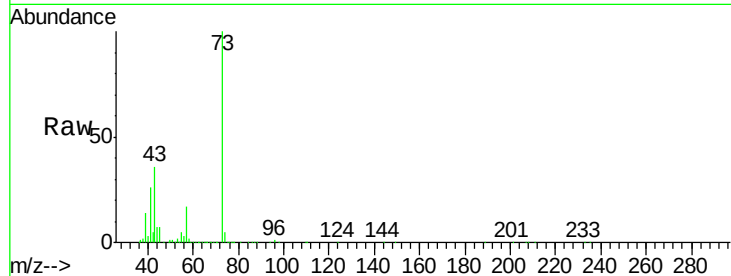
Methyl tert-butyl Ether
 Concen: 47.028 ug/l
 RT: 2.53 min Scan# 203
 Delta R.T. 0.00 min
 Lab File: VF059641.D
 Acq: 24 Jul 2018 19:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VICVVF072418

Tot Ion	73	Resp	217201
Ion Ratio	100	Lower	Upper
73	100		
57	16.8	14.2	21.4

Manual Integrations
 APPROVED

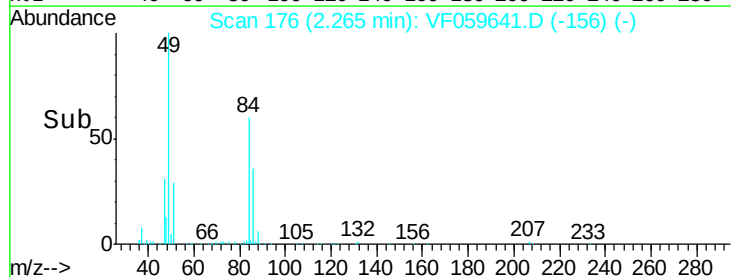
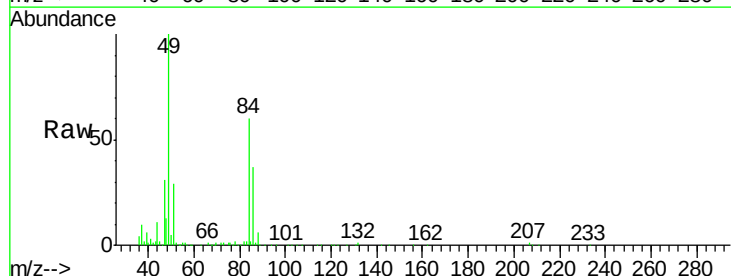
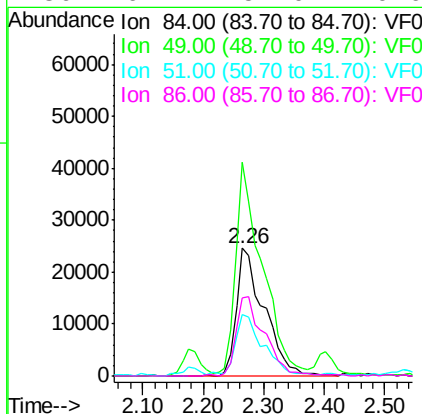
apatel
 7/25/2018 2:32:26 PM

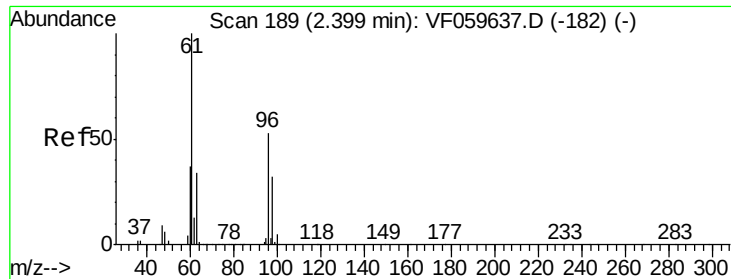


#20

Methylene Chloride
 Concen: 52.705 ug/l
 RT: 2.26 min Scan# 176
 Delta R.T. -0.01 min
 Lab File: VF059641.D
 Acq: 24 Jul 2018 19:49

Tgt Ion	84	Resp	78151
Ion Ratio	100	Lower	Upper
84	100		
49	166.9	133.8	200.8
51	48.4	41.1	61.7
86	61.2	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 49.465 ug/l

RT: 2.40 min Scan# 190

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

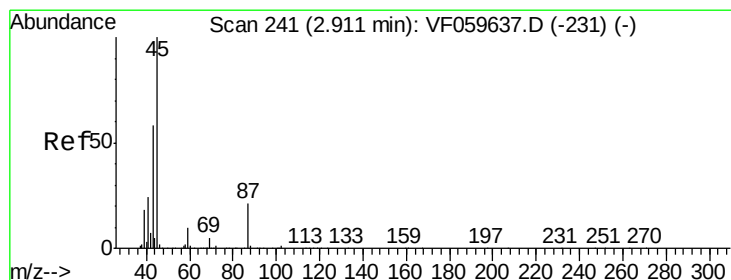
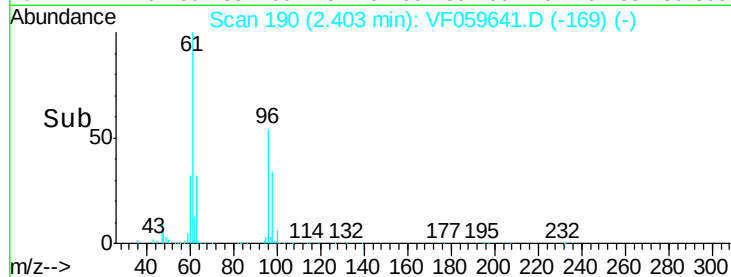
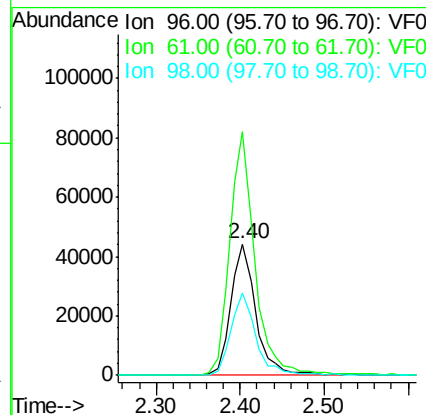
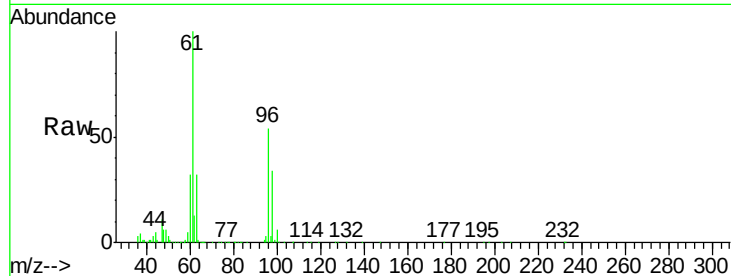
ClientSampleId :

VICVVF072418

Tot Ion:	96	Resp:	91008
Ion	Ratio	Lower	Upper
96	100		
61	185.7	151.4	227.2
98	62.8	49.0	73.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.903 ug/l

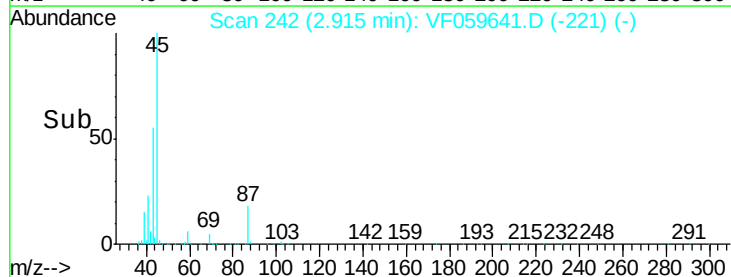
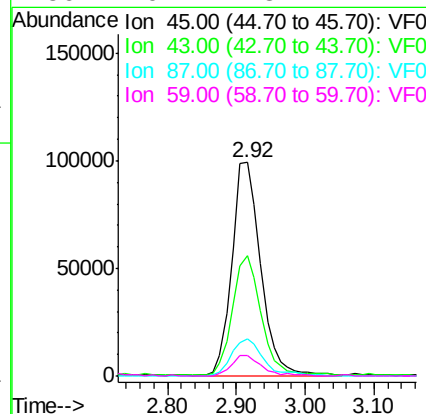
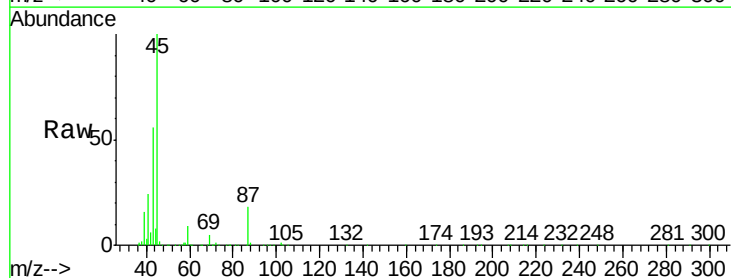
RT: 2.92 min Scan# 242

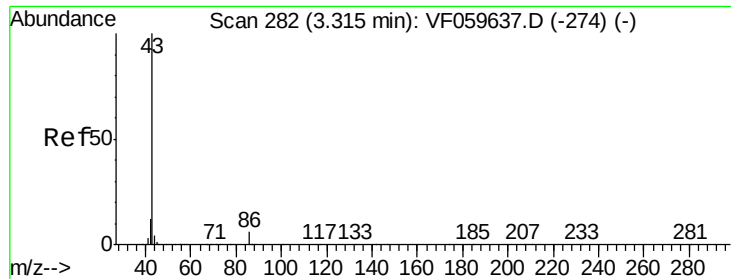
Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Tgt Ion:	45	Resp:	290665
Ion	Ratio	Lower	Upper
45	100		
43	56.2	46.5	69.7
87	17.5	16.5	24.7
59	9.4	8.2	12.2





#23

Vinyl Acetate

Concen: 250.149 ug/l

RT: 3.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVF072418

Tot Ion: 43 Resp: 672146

Ion Ratio Lower Upper

43 100

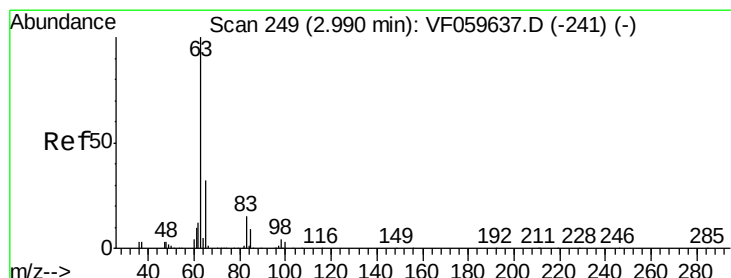
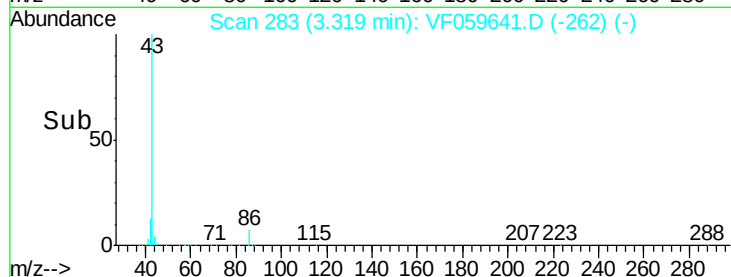
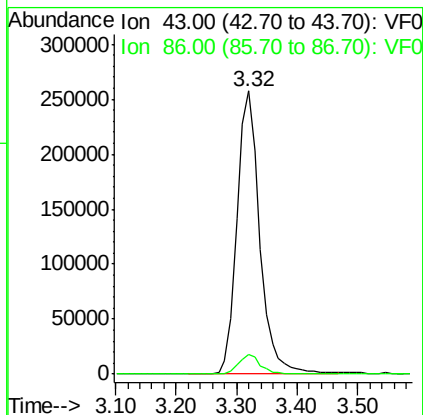
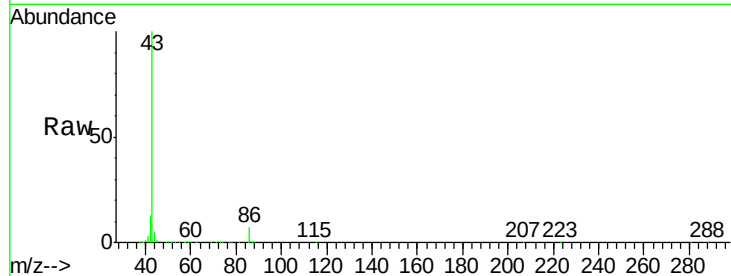
86 6.9 4.5 6.7#

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 47.704 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

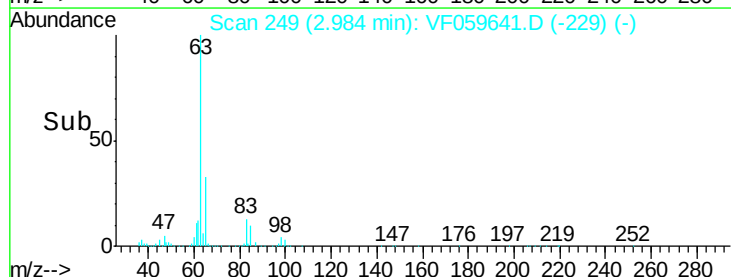
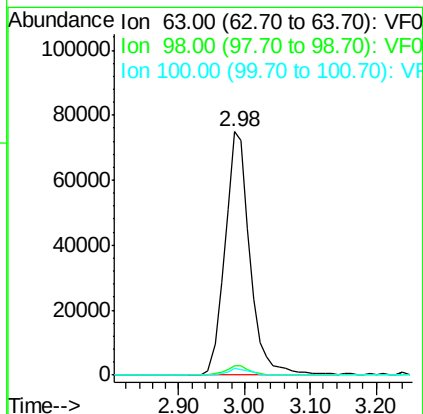
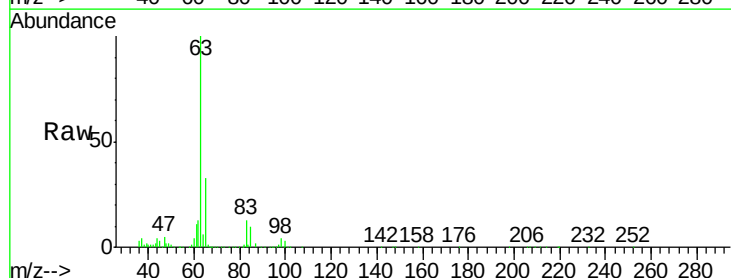
Tgt Ion: 63 Resp: 197662

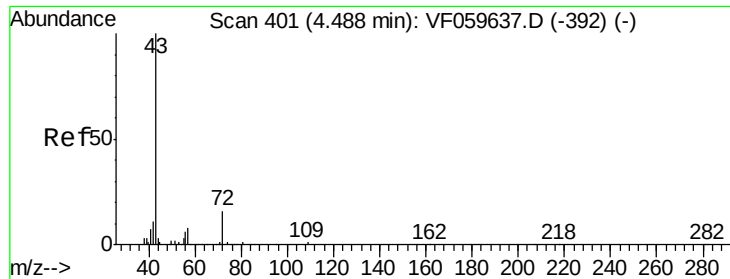
Ion Ratio Lower Upper

63 100

98 4.0 1.8 5.5

100 2.6 1.3 3.9





#25

2-Butanone

Concen: 240.540 ug/l

RT: 4.49 min Scan# 402

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVF072418

Tot Ion: 43 Resp: 155311

Ion Ratio Lower Upper

43 100

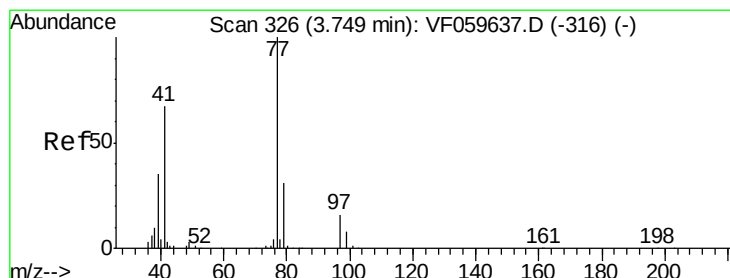
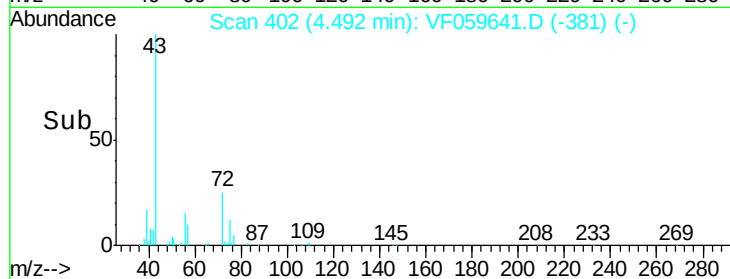
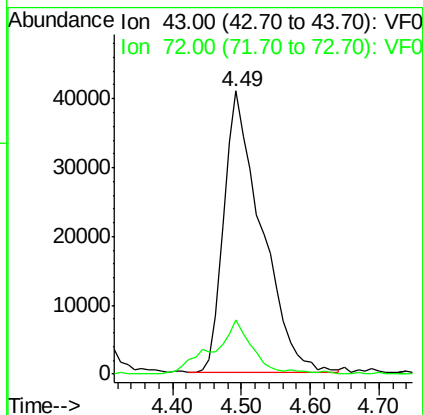
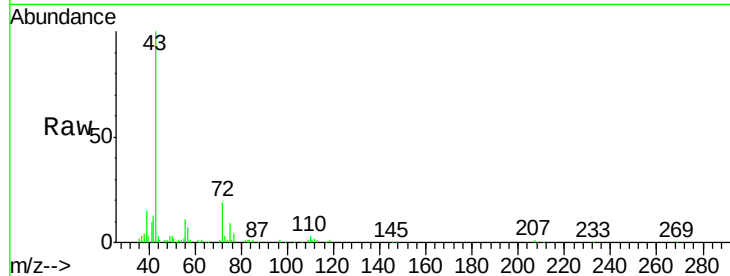
72 19.4 13.5 20.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 51.264 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF059641.D

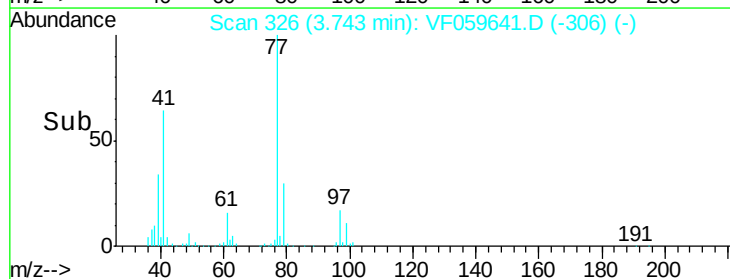
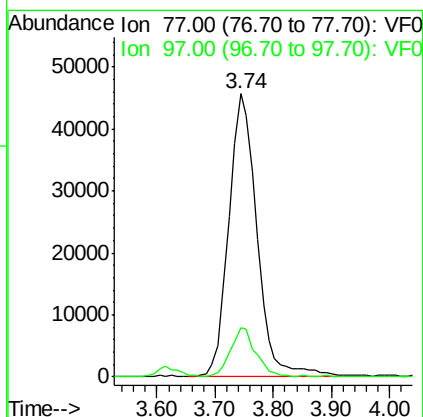
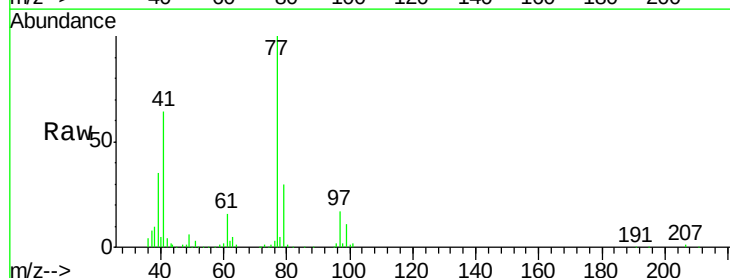
Acq: 24 Jul 2018 19:49

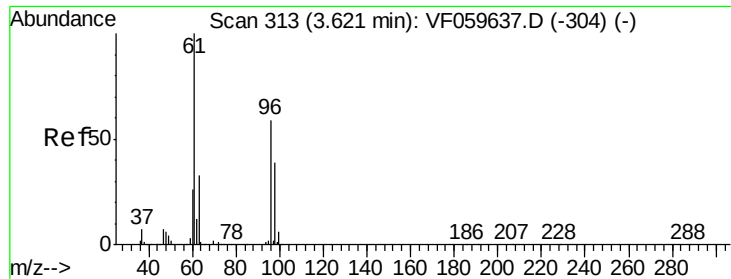
Tgt Ion: 77 Resp: 154089

Ion Ratio Lower Upper

77 100

97 17.2 7.8 23.3





#27

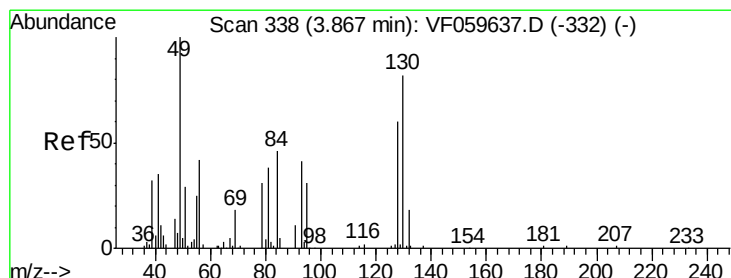
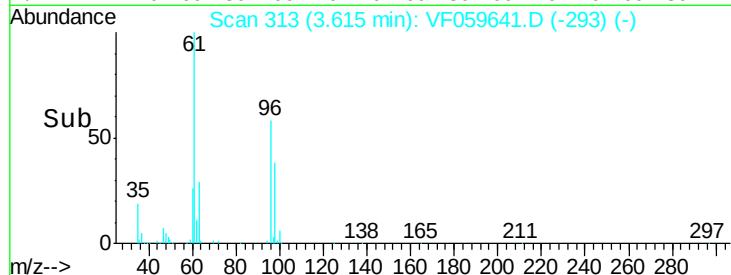
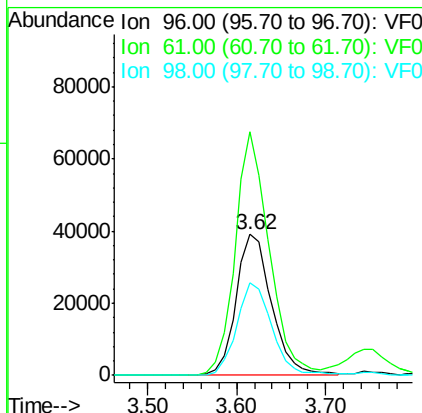
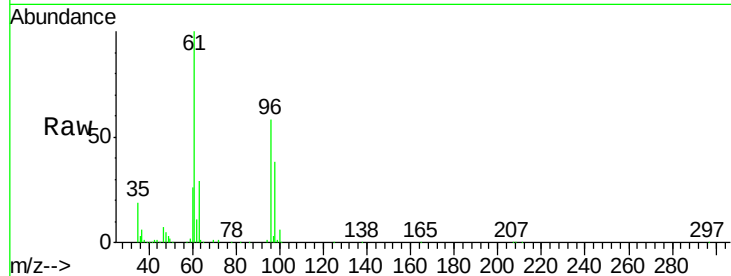
cis-1,2-Dichloroethene
Concen: 48.265 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Instrument :
MSVOA_F
ClientSampleId :
VICVVF072418

Tot Ion	Ratio	Lower	Upper
96	100		
61	173.0	0.0	337.4
98	65.6	0.0	132.8

Manual Integrations
APPROVED

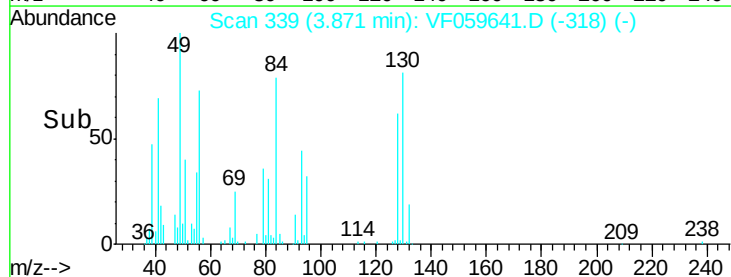
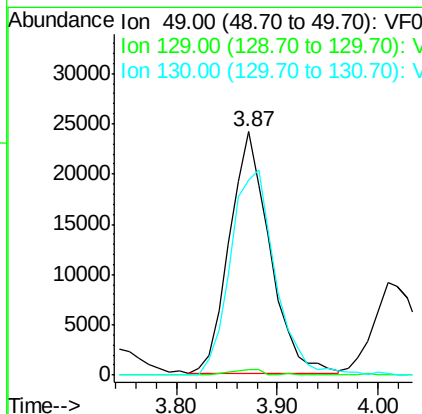
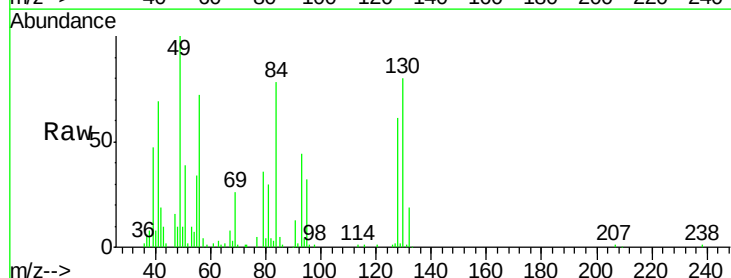
apatel
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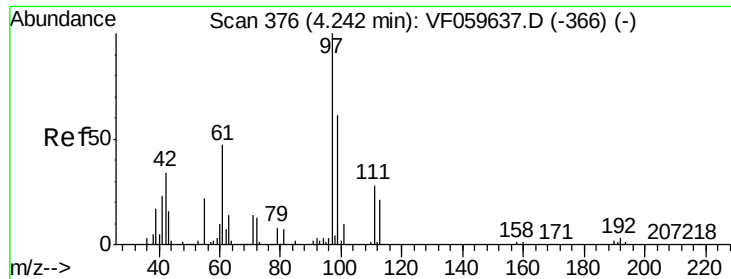


#28

Bromochloromethane
Concen: 50.880 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.6
130	80.0	65.0	97.4





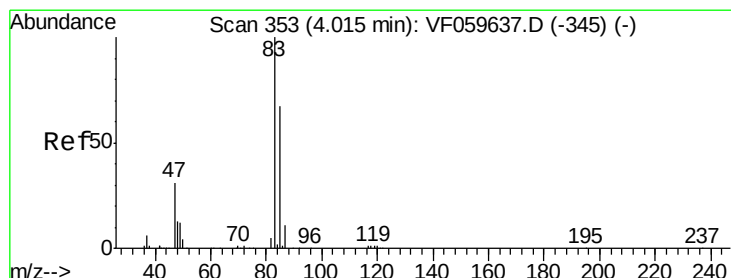
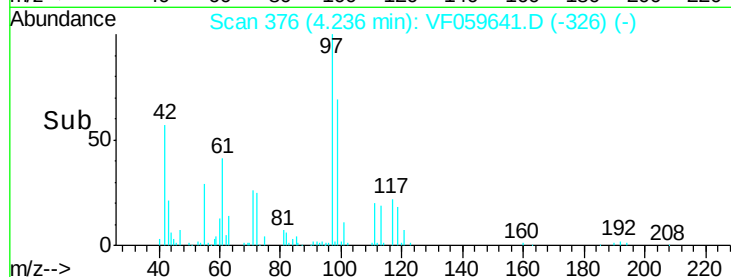
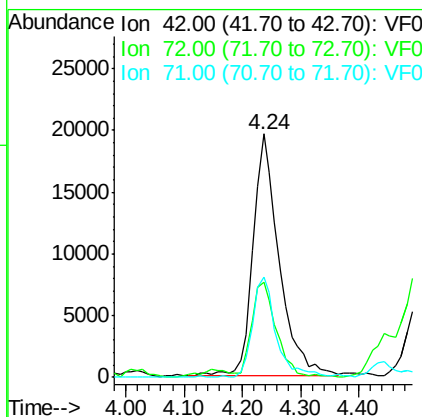
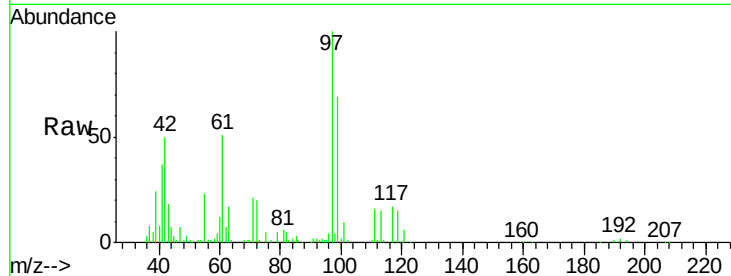
#29
Tetrahydrofuran
Concen: 267.147 ug/l
RT: 4.24 min Scan# 376
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Instrument :
MSVOA_F
ClientSampleId :
VICVVF072418

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.5	30.0	45.0
71	37.7	28.6	42.8

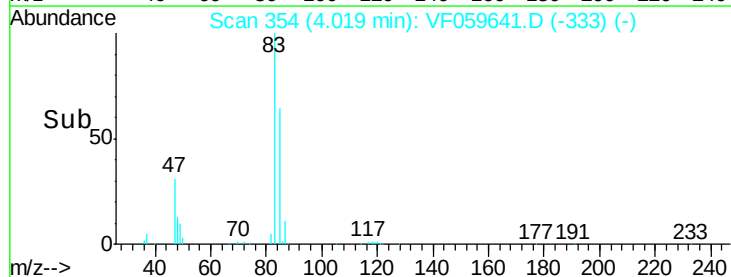
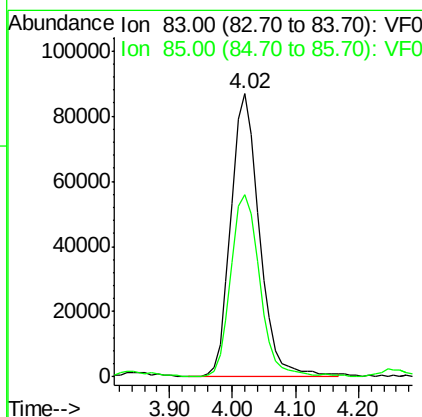
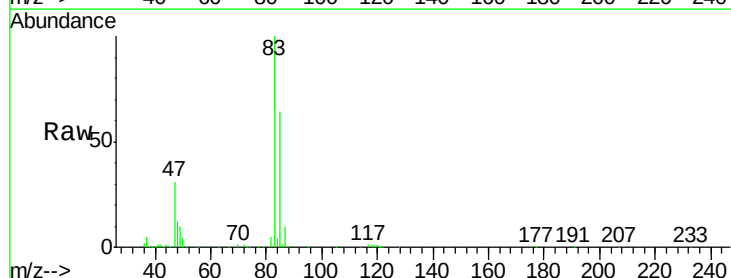
Manual Integrations
APPROVED

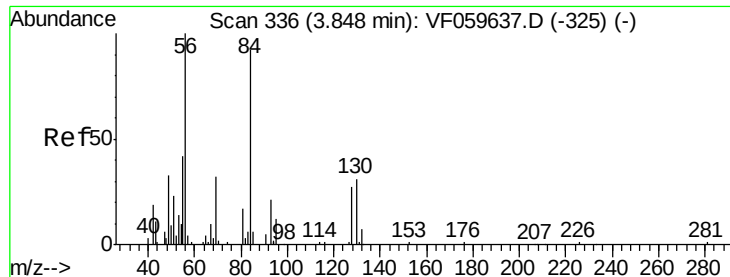
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#30
Chloroform
Concen: 47.590 ug/l
RT: 4.02 min Scan# 354
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	53.8	80.8





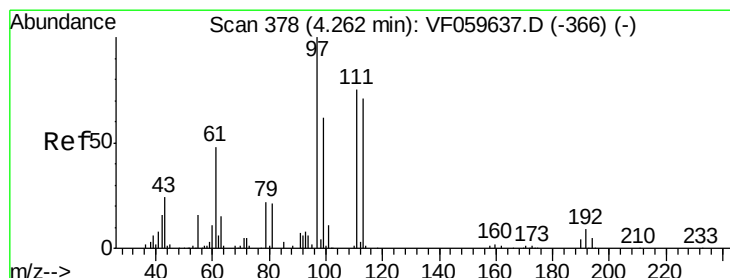
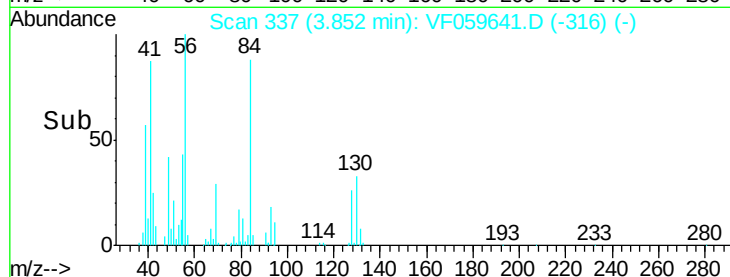
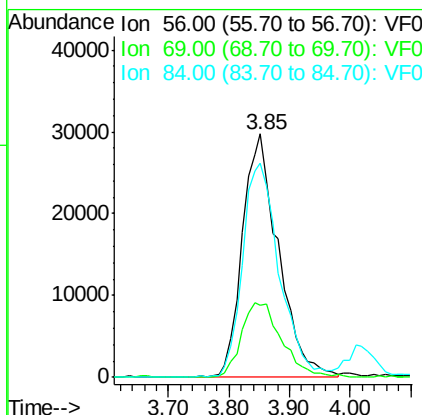
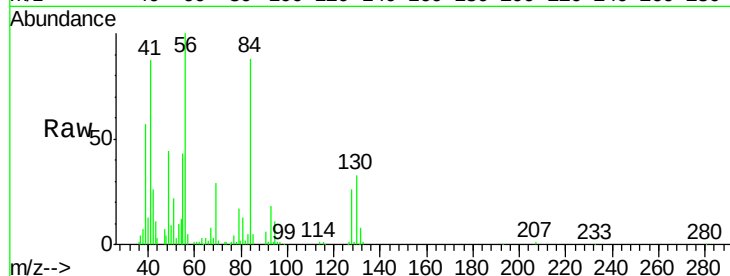
#31
Cyclohexane
Concen: 50.927 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Instrument :
MSVOA_F
ClientSampleId :
VICVF072418

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	26.0	39.0
84	88.2	73.5	110.3

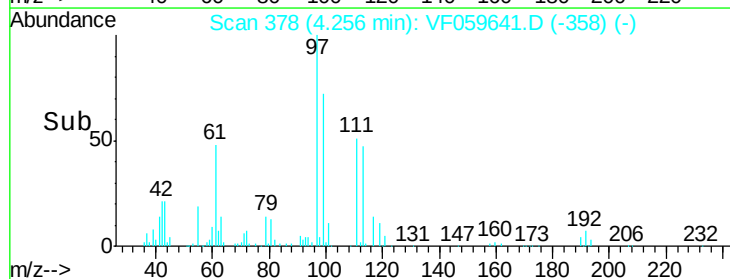
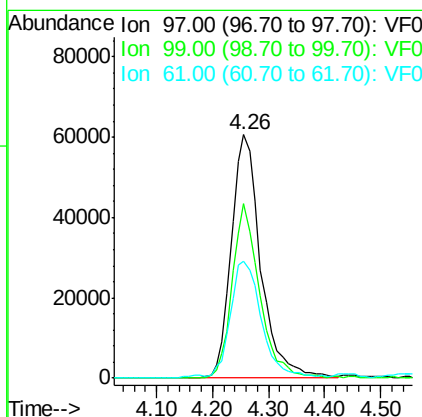
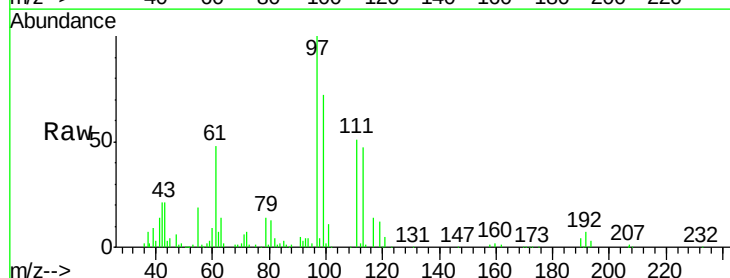
Manual Integrations
APPROVED

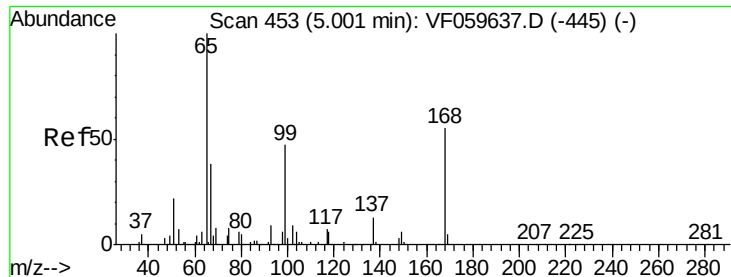
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#32
1,1,1-Trichloroethane
Concen: 45.058 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	71.7	49.8	74.6
61	48.1	38.9	58.3





#33

1,2-Dichloroethane-d4

Concen: 48.853 ug/l

RT: 5.01 min Scan# 454

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Tot Ion: 65 Resp: 174299

Ion Ratio Lower Upper

65 100

67 45.2 0.0 86.6

Instrument :

MSVOA_F

ClientSampleId :

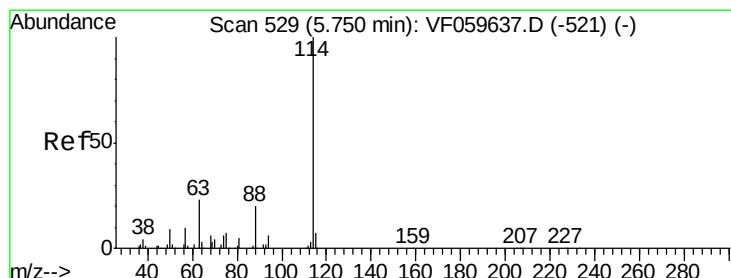
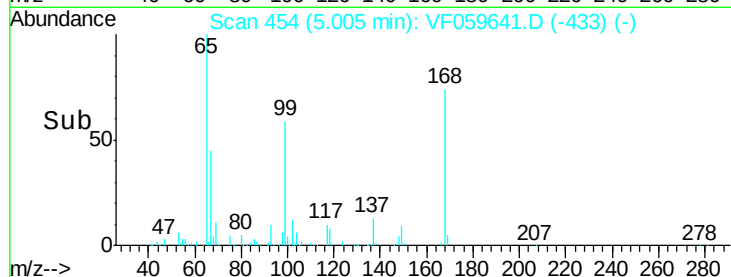
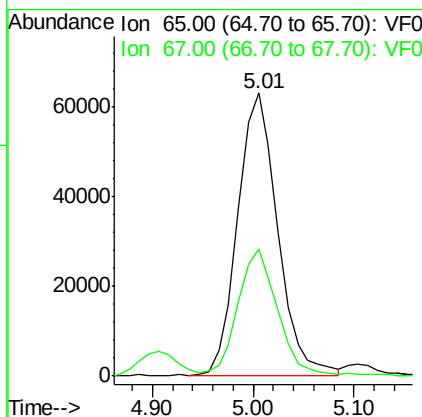
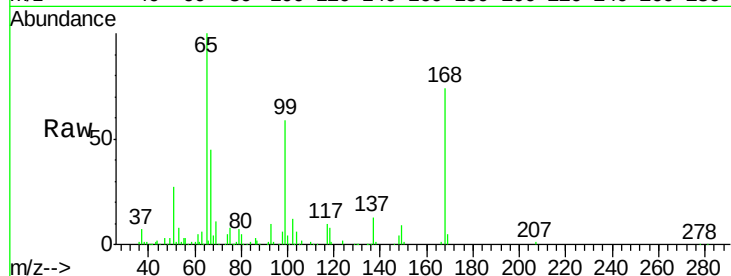
VICVF072418

Manual Integrations

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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: VF059641.D

Acq: 24 Jul 2018 19:49

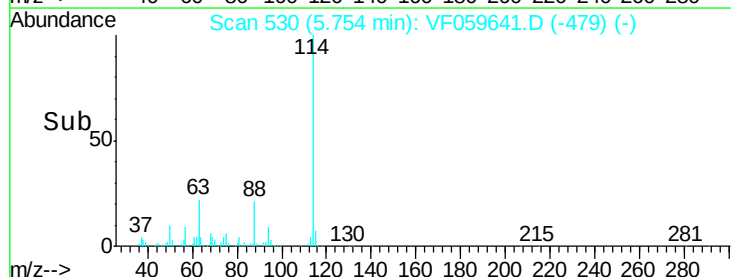
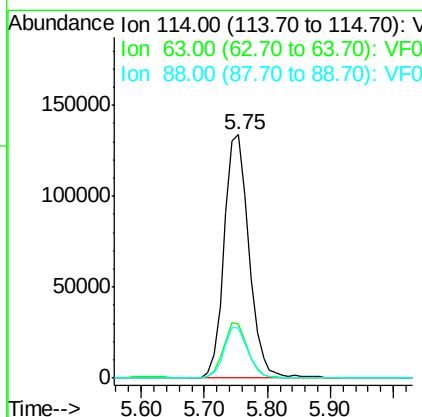
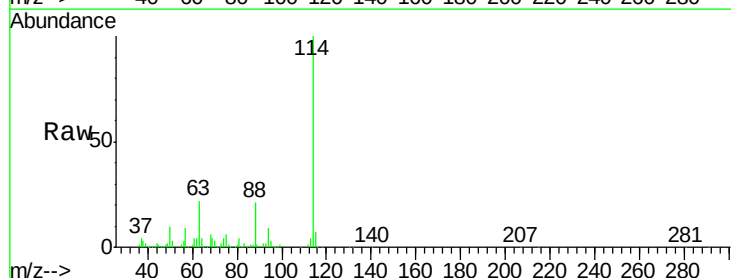
Tgt Ion: 114 Resp: 365990

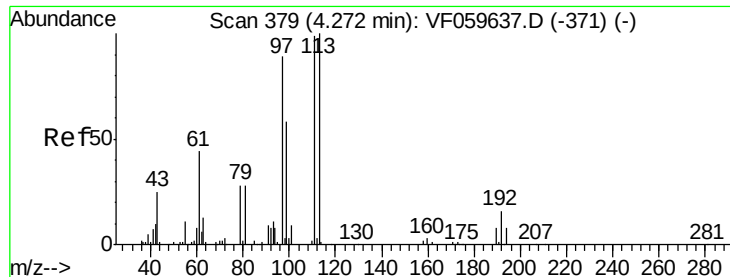
Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.6

88 20.9 0.0 40.8





#35

Dibromofluoromethane

Concen: 48.185 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

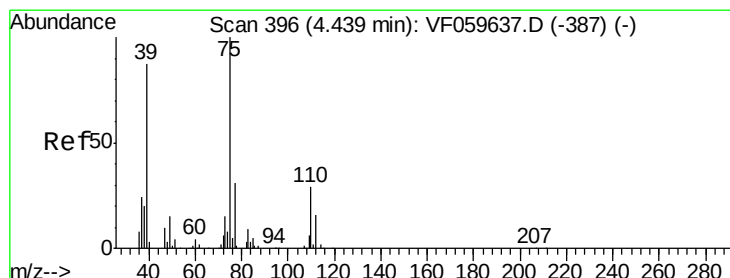
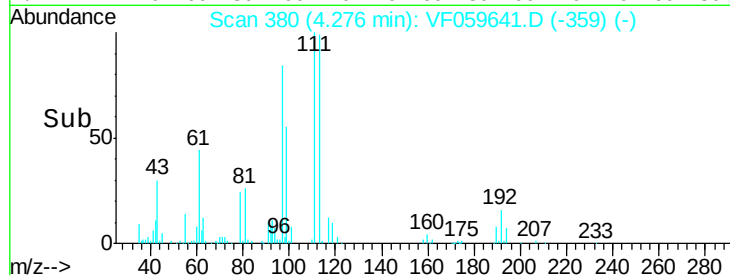
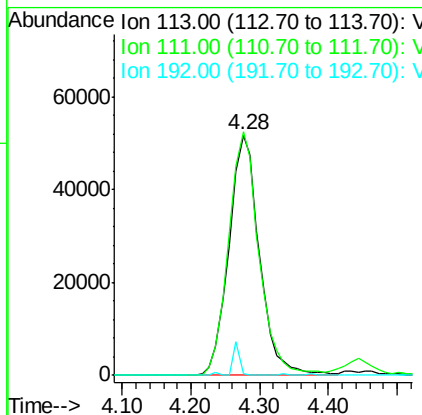
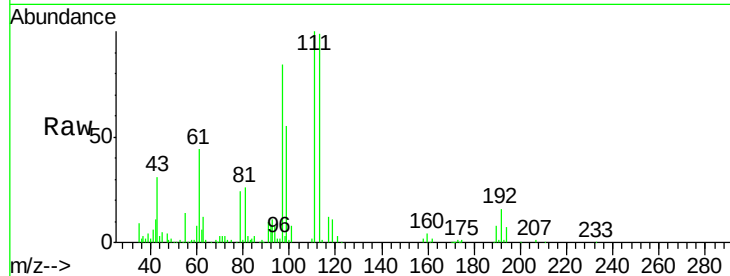
ClientSampleId :

VICVVF072418

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	79.3	118.9
192	0.6	13.4	20.2

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#36

1,1-Dichloropropene

Concen: 47.528 ug/l

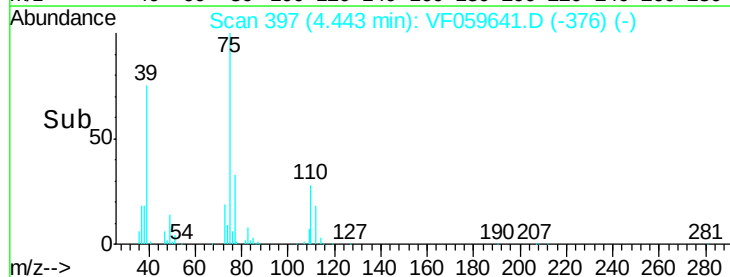
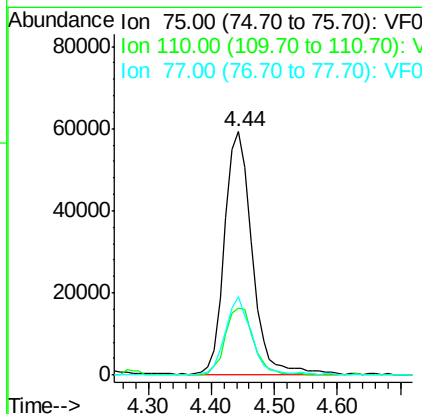
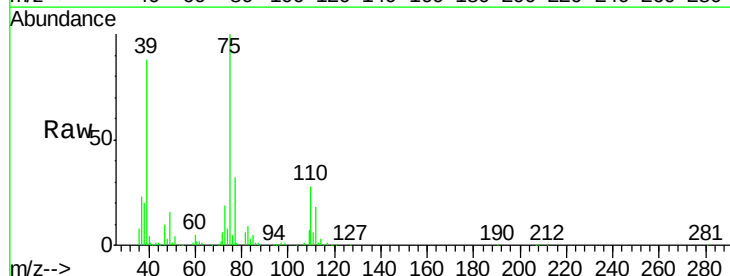
RT: 4.44 min Scan# 397

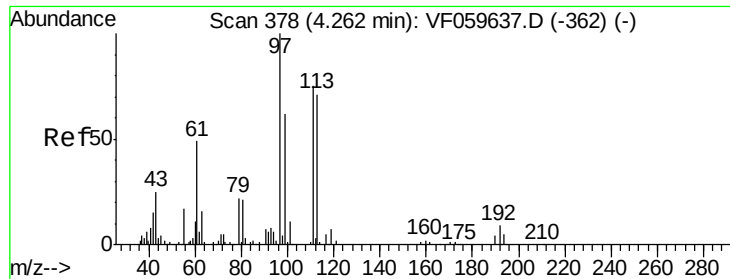
Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	27.6	14.6	43.8
77	32.1	24.4	36.6





#37

Ethyl Acetate

Concen: 50.684 ug/l

RT: 4.27 min Scan# 379

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

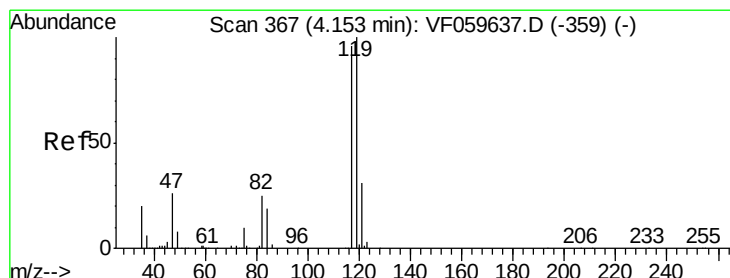
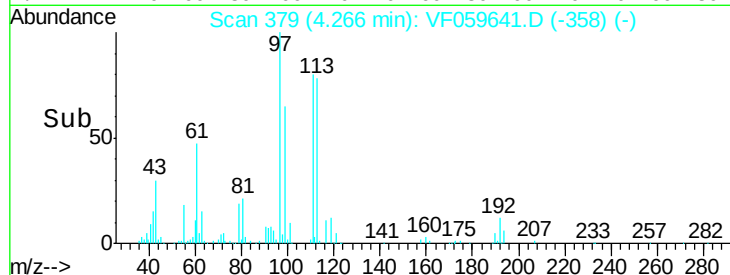
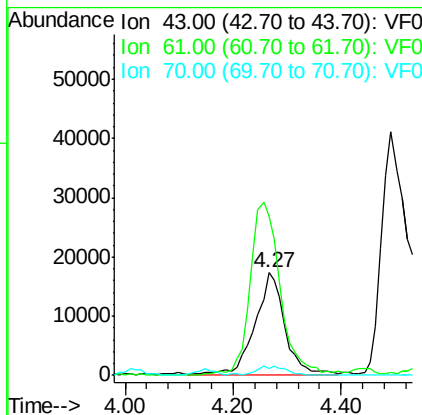
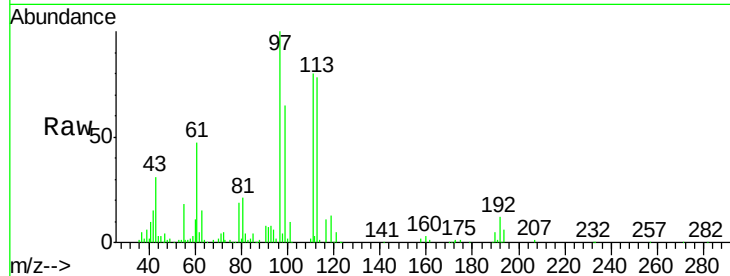
ClientSampleId :

VICVF072418

Tot Ion:	43	Resp:	65071
Ion	Ratio	Lower	Upper
43	100		
61	154.9	156.6	234.8#
70	6.5	7.3	10.9#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 45.885 ug/l

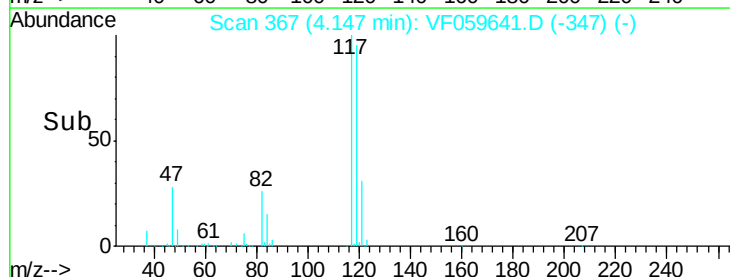
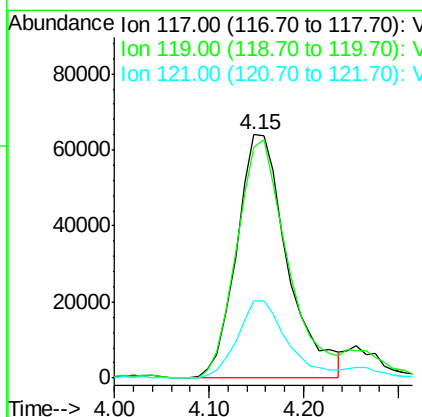
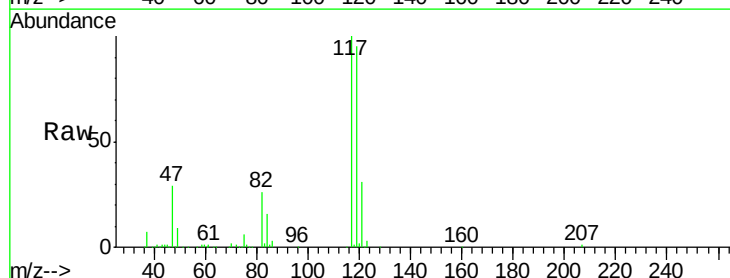
RT: 4.15 min Scan# 367

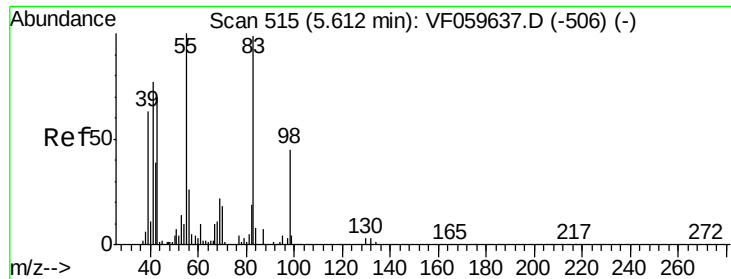
Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Tgt Ion:	117	Resp:	237435
Ion	Ratio	Lower	Upper
117	100		
119	94.6	83.0	124.6
121	31.5	26.2	39.4





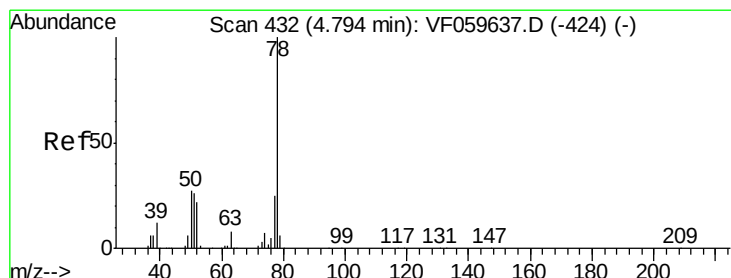
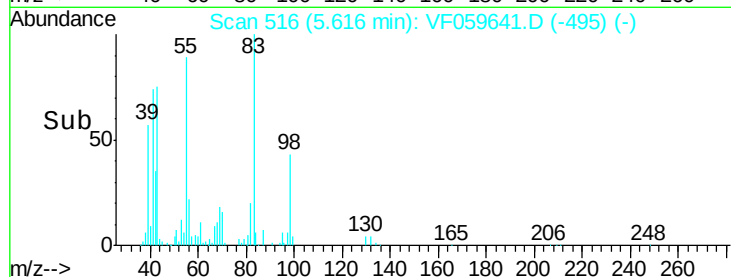
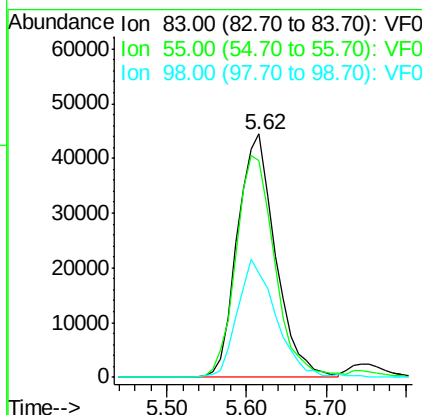
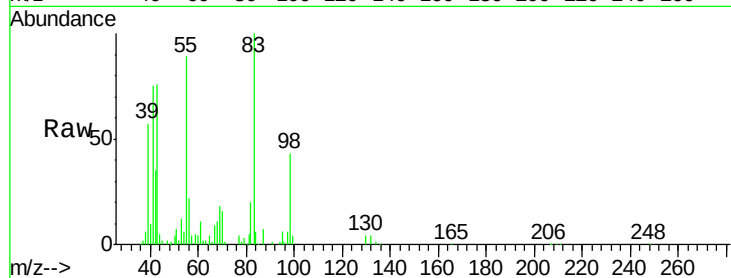
#39
Methylvlcyclohexane
Concen: 48.438 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Instrument :
MSVOA_F
ClientSampleId :
VICVF072418

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.3	81.5	122.3
98	42.6	36.7	55.1

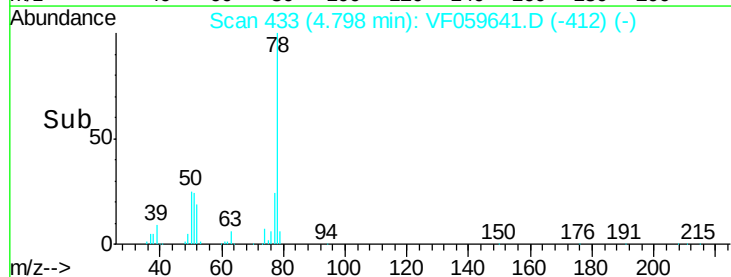
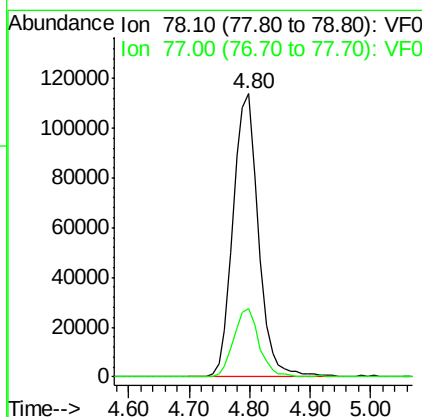
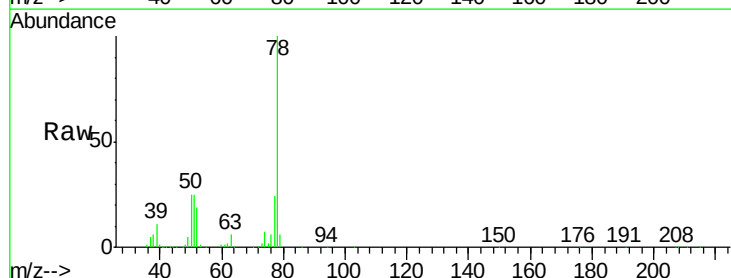
Manual Integrations
APPROVED

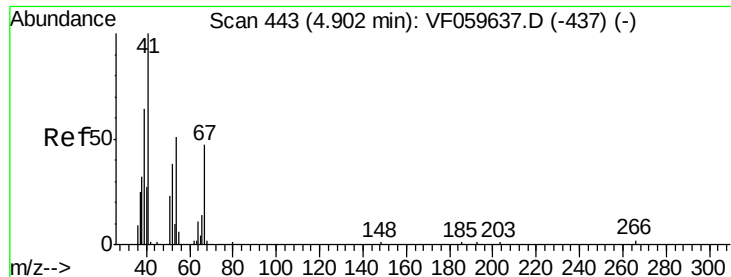
apatel
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#40
Benzene
Concen: 48.039 ug/l
RT: 4.80 min Scan# 433
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.8	29.6





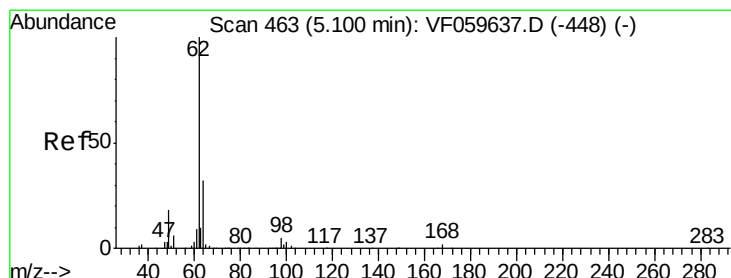
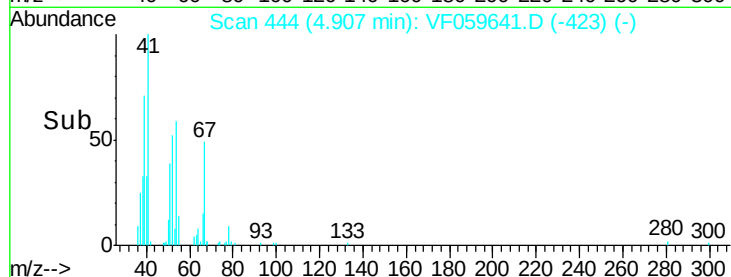
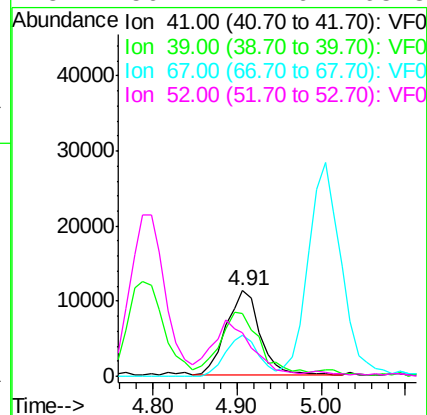
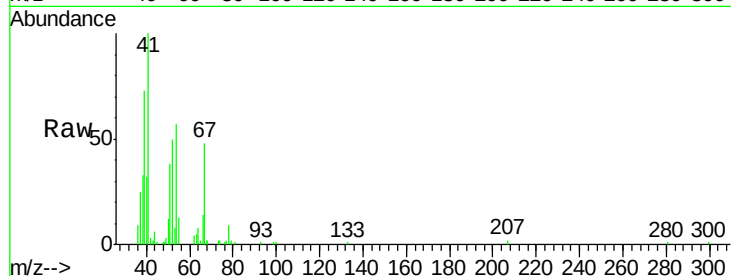
#41
Methacrylonitrile
Concen: 44.761 ug/l
RT: 4.91 min Scan# 444
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Instrument :
MSVOA_F
ClientSampleId :
VICVVF072418

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.5	56.9	85.3
67	47.5	36.6	54.8
52	50.1	42.6	63.8

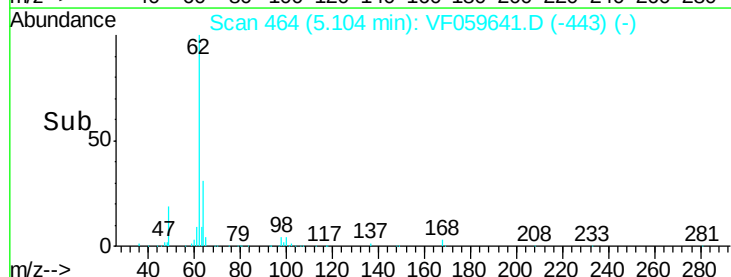
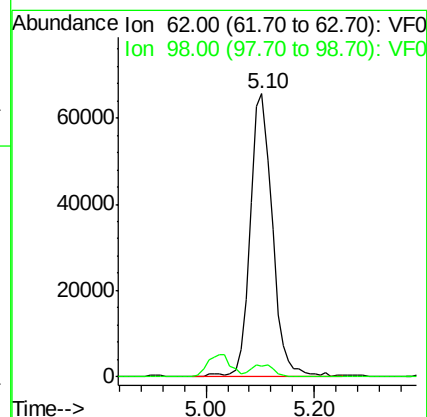
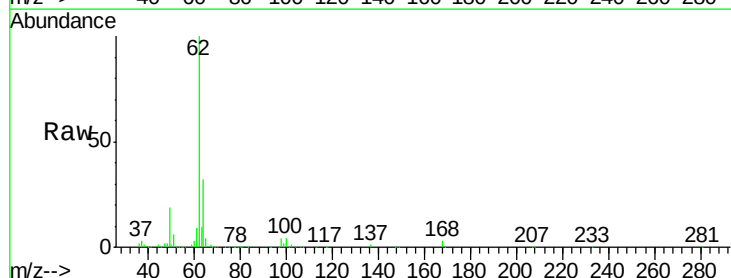
Manual Integrations
APPROVED

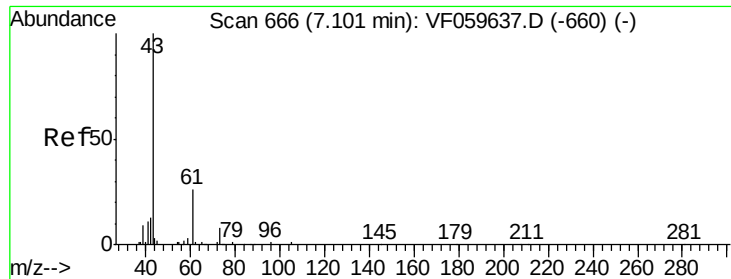
apatel
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#42
1,2-Dichloroethane
Concen: 45.569 ug/l
RT: 5.10 min Scan# 464
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.8	0.0	10.6





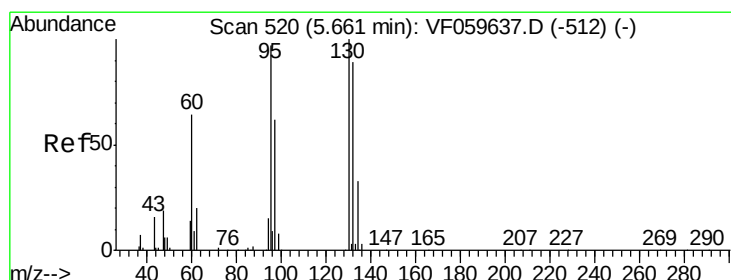
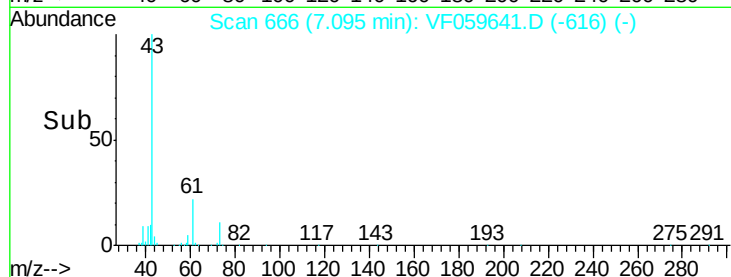
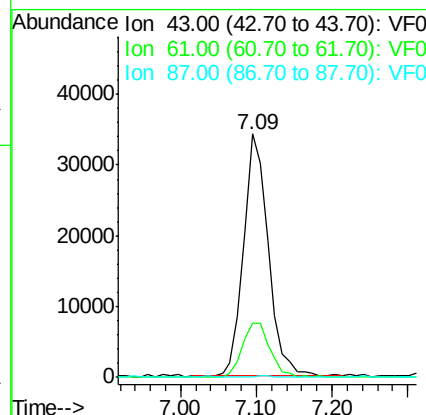
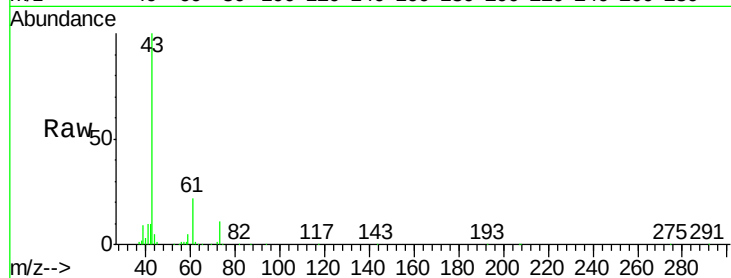
#43
Isopropyl Acetate
Concen: 46.802 ug/l
RT: 7.09 min Scan# 666
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Instrument :
MSVOA_F
ClientSampleId :
VICVVF072418

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.2	20.5	30.7
87	0.3	0.4	0.6

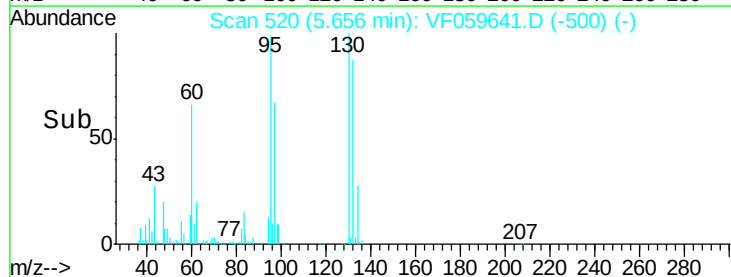
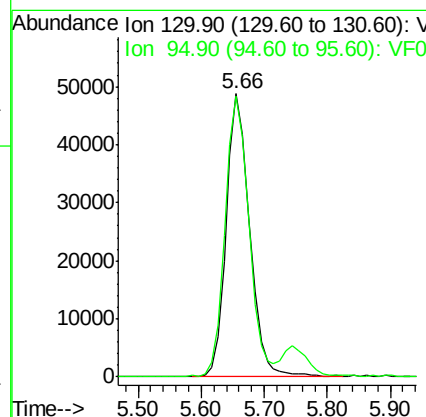
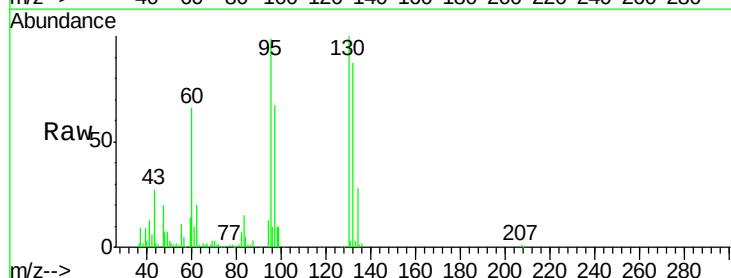
Manual Integrations
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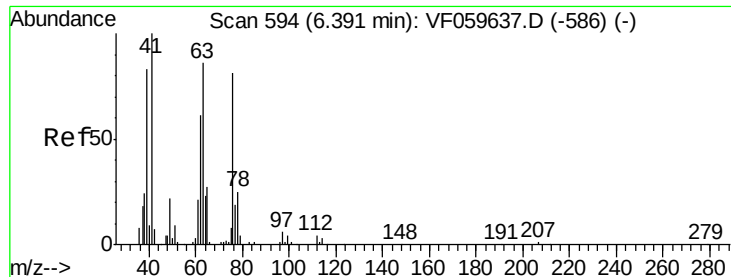
apatel
7/25/2018 2:32:26 PM



#44
Trichloroethene
Concen: 49.409 ug/l
RT: 5.66 min Scan# 520
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	193.4





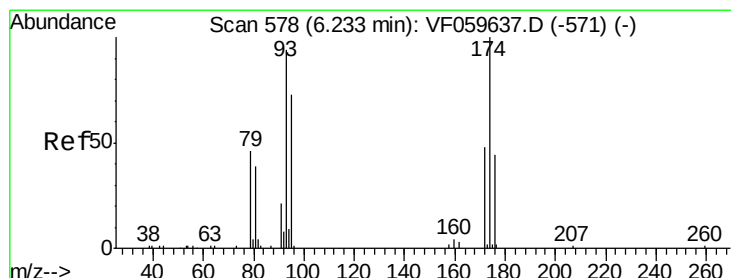
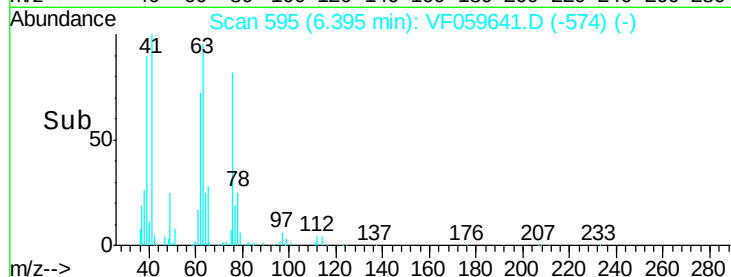
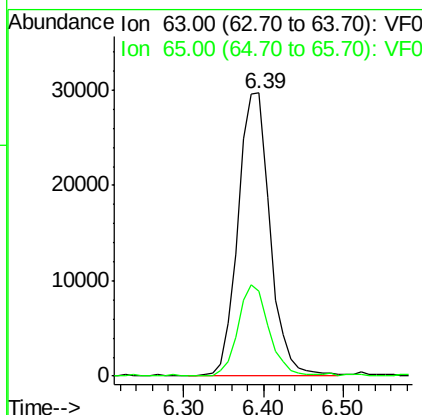
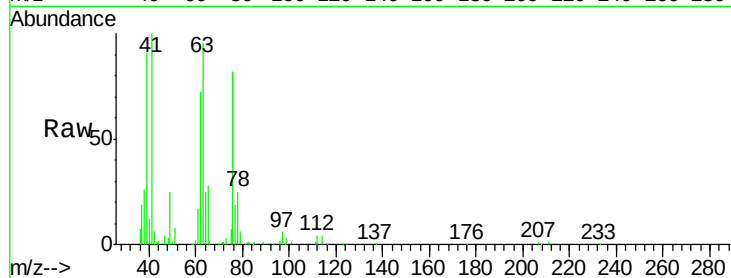
#45
 1,2-Dichloropropane
 Concen: 47.056 ug/l
 RT: 6.39 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VF059641.D
 Acq: 24 Jul 2018 19:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VICVVF072418

Tot Ion: 63 Resp: 82639
 Ion Ratio Lower Upper
 63 100
 65 29.9 25.1 37.7

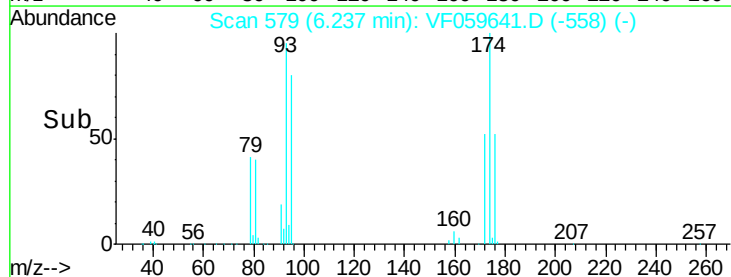
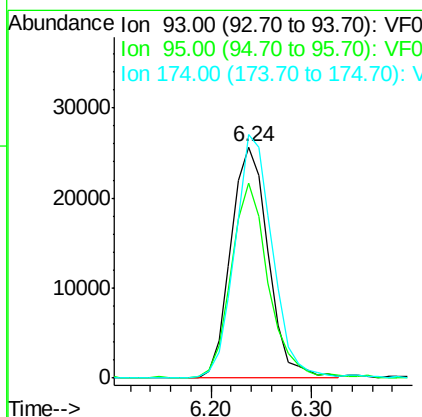
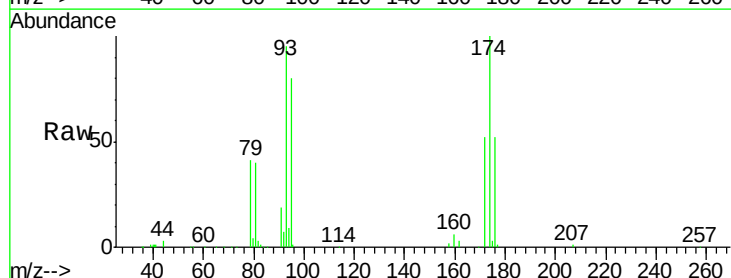
Manual Integrations
 APPROVED

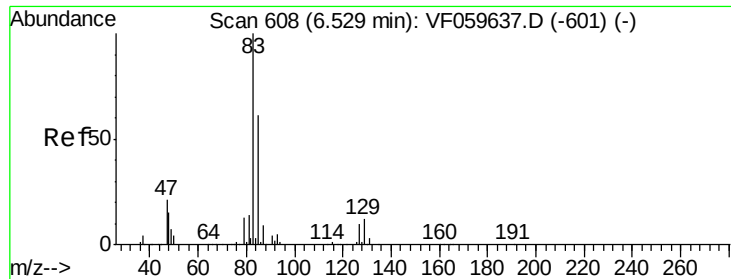
apatel
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#46
 Dibromomethane
 Concen: 44.939 ug/l
 RT: 6.24 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VF059641.D
 Acq: 24 Jul 2018 19:49

Tgt Ion: 93 Resp: 66663
 Ion Ratio Lower Upper
 93 100
 95 85.3 63.1 94.7
 174 105.3 85.3 127.9





#47

Bromodichloromethane

Concen: 45.837 ug/l

RT: 6.53 min Scan# 609

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

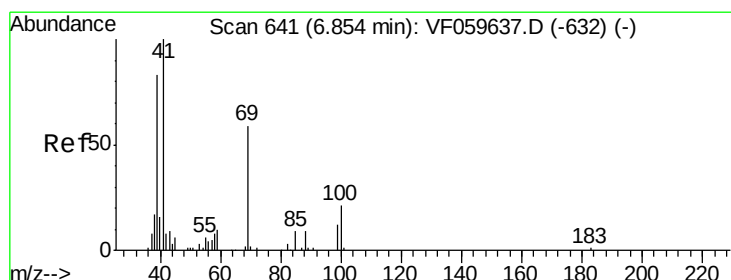
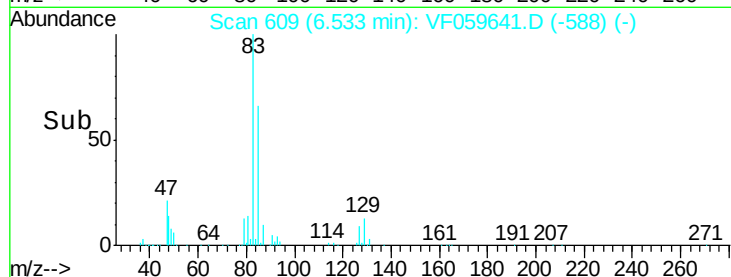
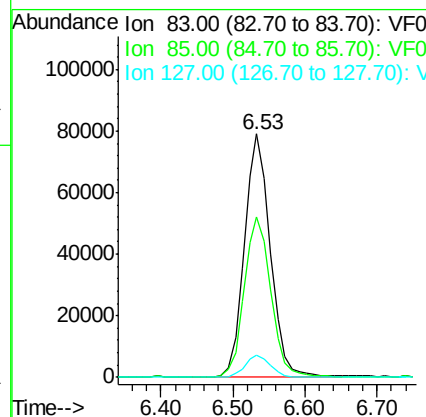
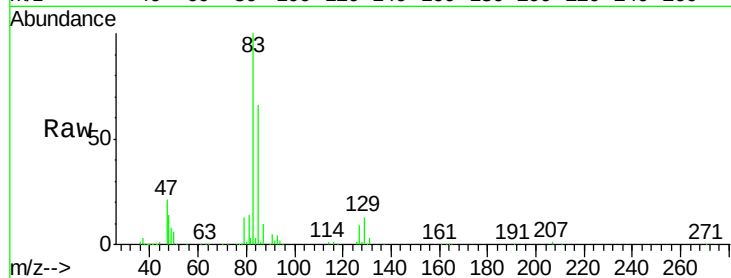
ClientSampleId :

VICVVF072418

Tot Ion:	83	Resp:	198807
Ion Ratio	Lower	Upper	
83	100		
85	65.7	48.6	72.8
127	9.0	7.7	11.5

Manual Integrations
APPROVED

apatel
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#48

Methyl methacrylate

Concen: 45.302 ug/l

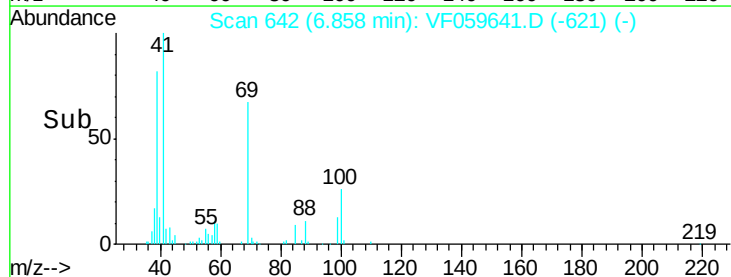
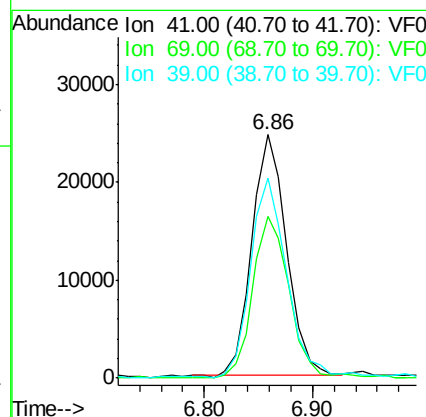
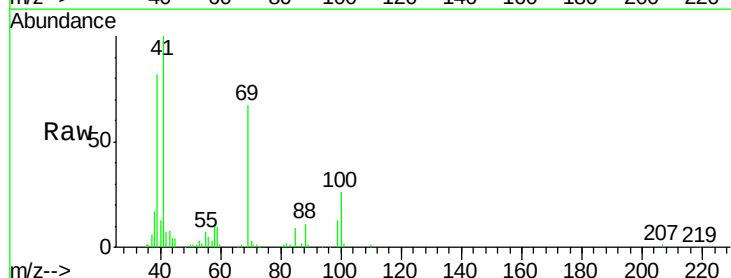
RT: 6.86 min Scan# 642

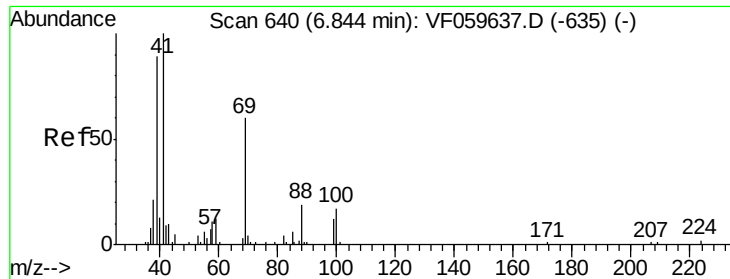
Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Tgt Ion:	41	Resp:	54997
Ion Ratio	Lower	Upper	
41	100		
69	66.5	47.5	71.3
39	82.1	67.0	100.6





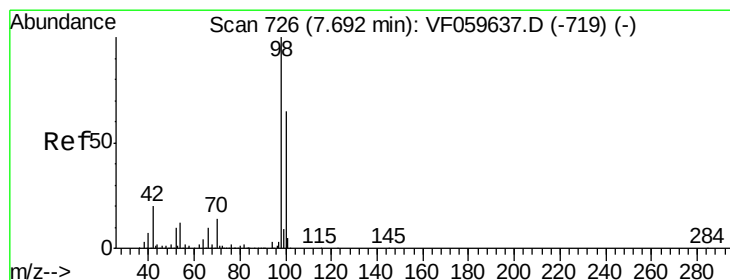
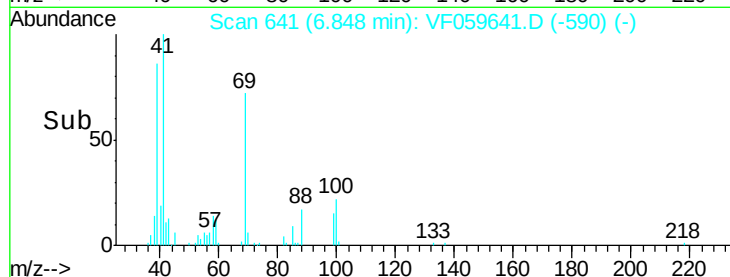
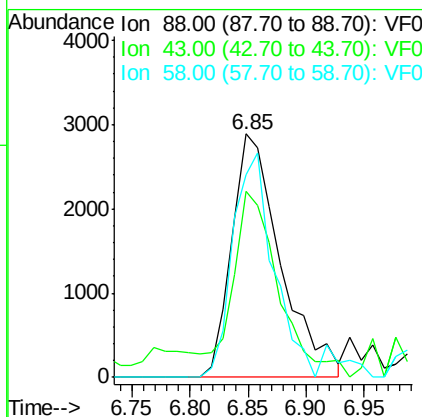
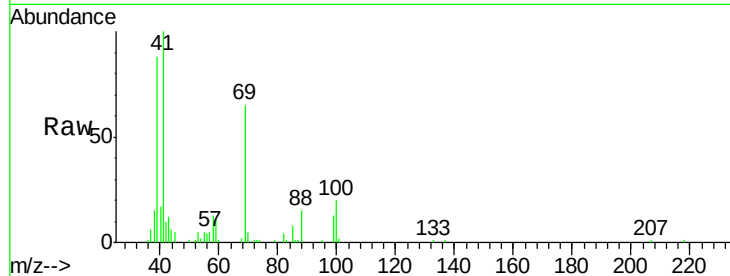
#49
1,4-Dioxane
Concen: 900.444 ug/l
RT: 6.85 min Scan# 641
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Instrument :
MSVOA_F
ClientSampleId :
VICVVF072418

Tot Ion	Ratio	Lower	Upper
88	100		
43	76.4	45.3	67.9#
58	83.4	47.7	71.5#

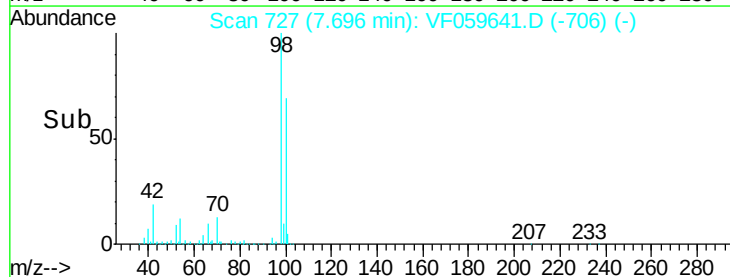
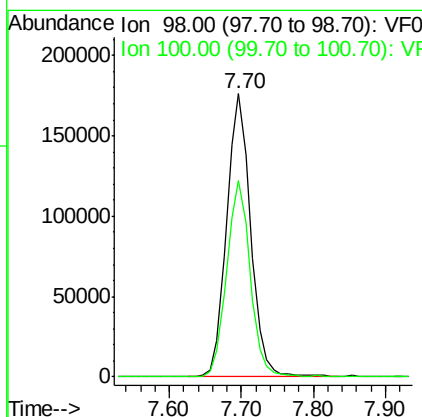
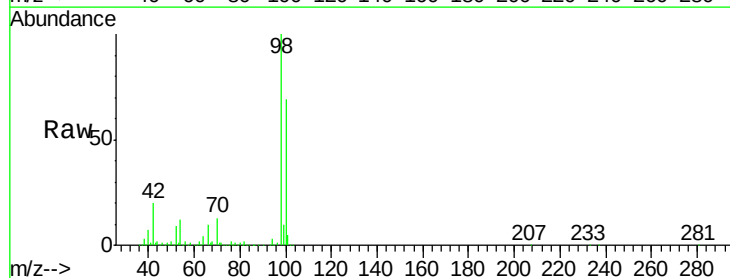
Manual Integrations
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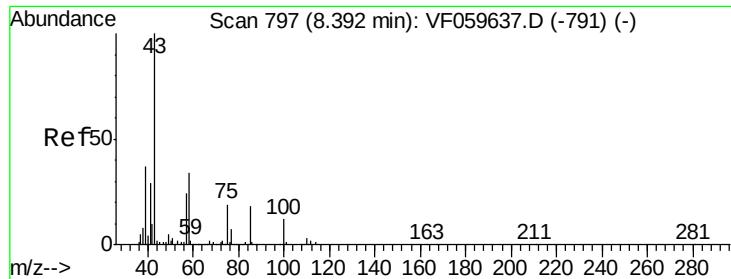
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#50
Toluene-d8
Concen: 50.693 ug/l
RT: 7.70 min Scan# 727
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.2	52.2	78.4





#51

4-Methyl-2-Pentanone

Concen: 238.580 ug/l

RT: 8.40 min Scan# 798

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVF072418

Tot Ion: 43 Resp: 289177

Ion Ratio Lower Upper

43 100

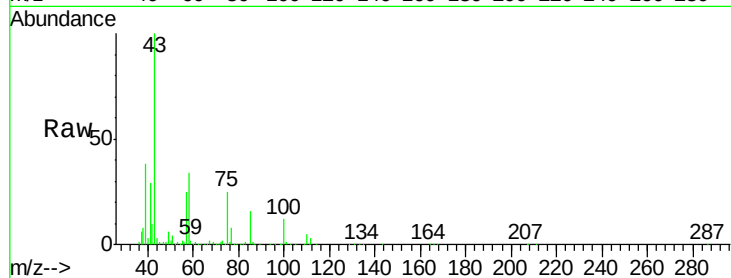
58 34.3 27.3 40.9

Manual Integrations

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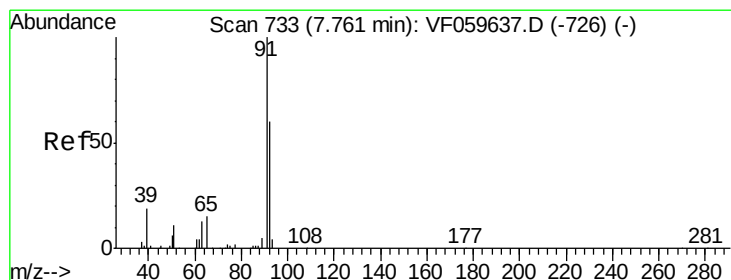
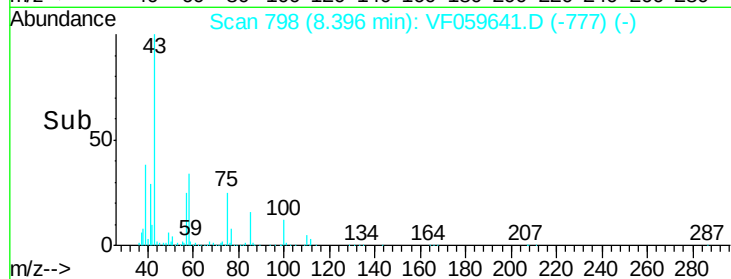
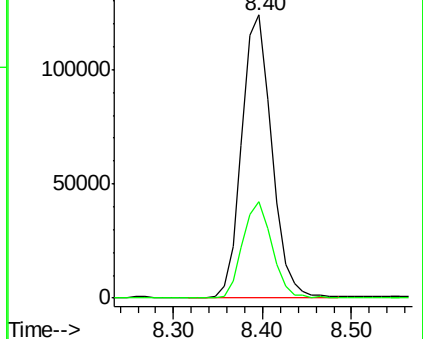
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 51.722 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059641.D

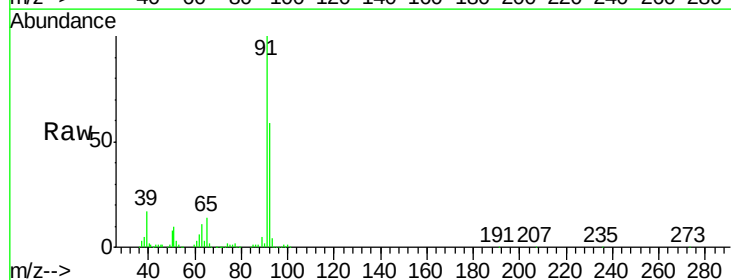
Acq: 24 Jul 2018 19:49

Tgt Ion: 92 Resp: 231133

Ion Ratio Lower Upper

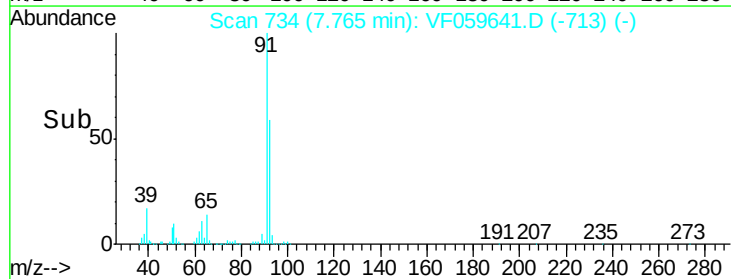
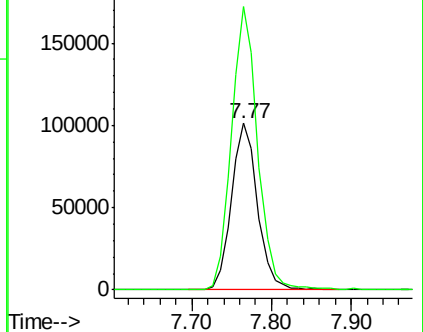
92 100

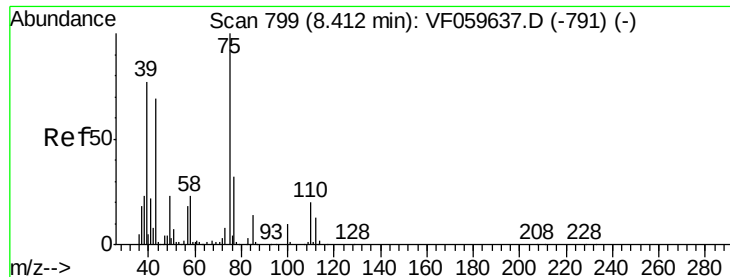
91 170.1 134.2 201.4



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: 44.920 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVF072418

Tot Ion: 75 Resp: 155250

Ion Ratio Lower Upper

75 100

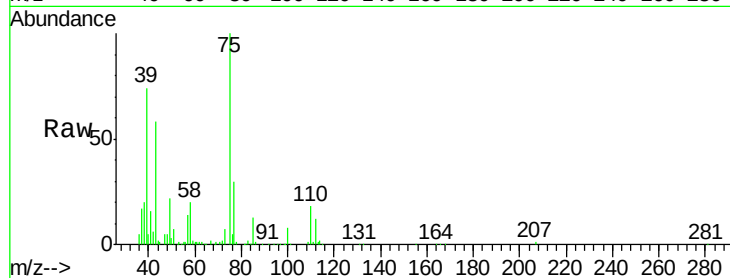
77 29.7 25.2 37.8

Manual Integrations

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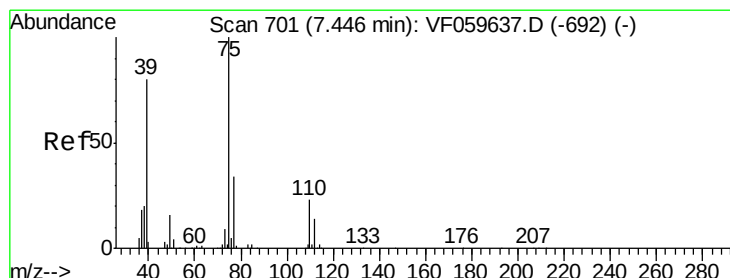
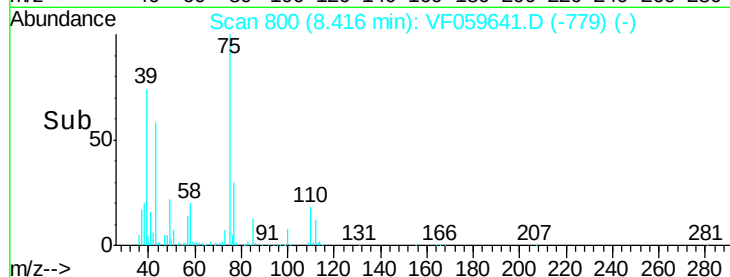


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.42

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.404 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

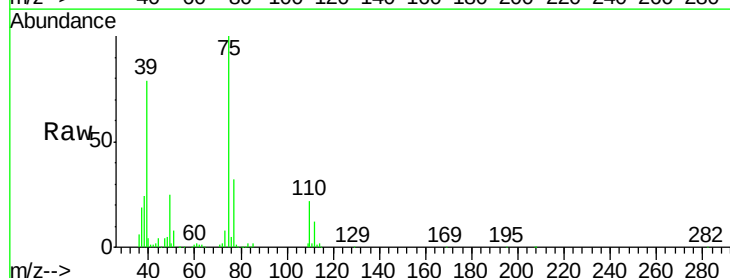
Tgt Ion: 75 Resp: 173181

Ion Ratio Lower Upper

75 100

77 32.2 27.5 41.3

39 79.3 64.4 96.6



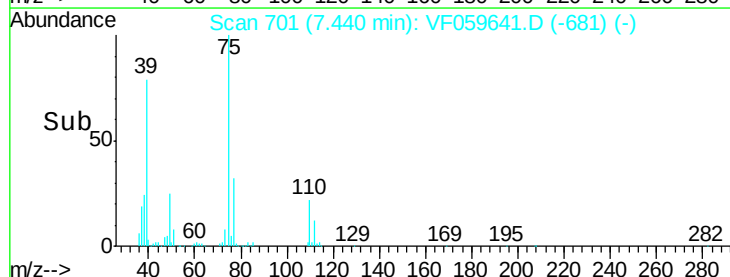
Abundance Ion 75.00 (74.70 to 75.70): VF0

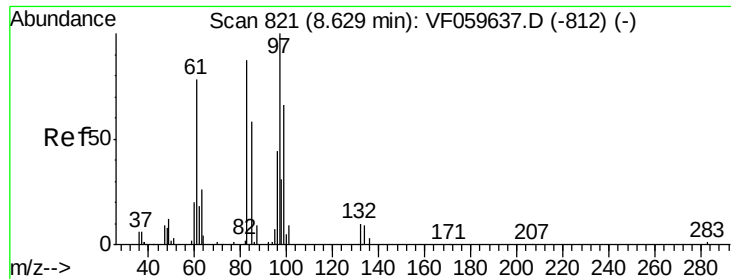
Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.44

Time-->





#55

1,1,2-Trichloroethane

Concen: 48.479 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

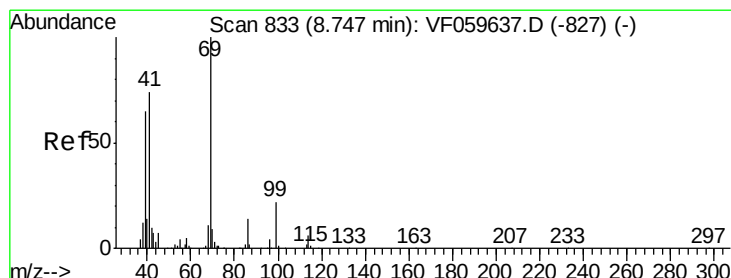
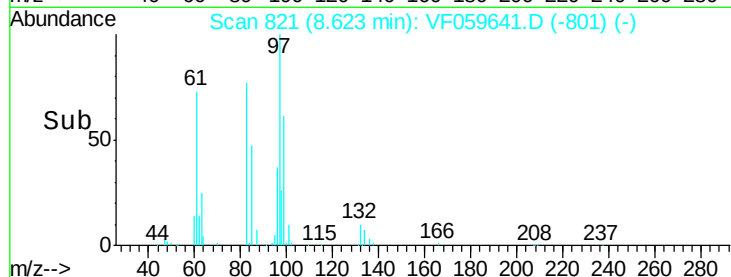
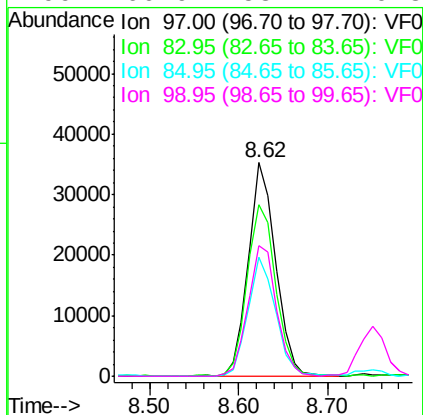
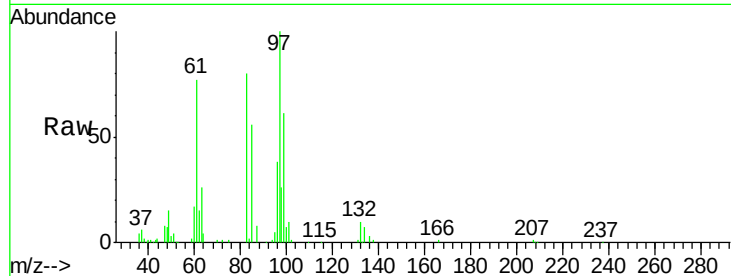
VICVF072418

Tot Ion:	97	Resp:	74977
Ion	Ratio	Lower	Upper
97	100		
83	80.0	69.5	104.3
85	55.6	46.0	69.0
99	60.9	53.2	79.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 45.527 ug/l

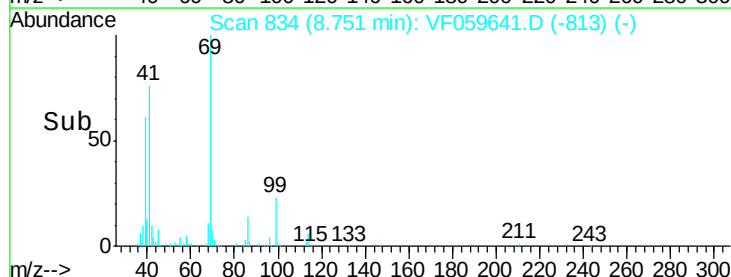
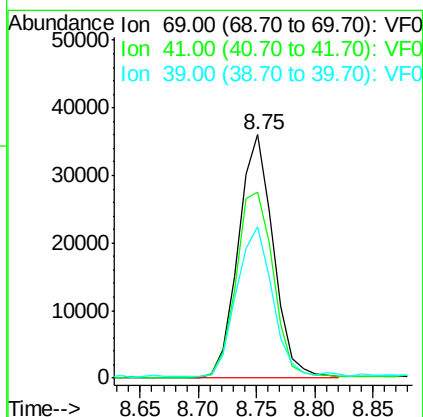
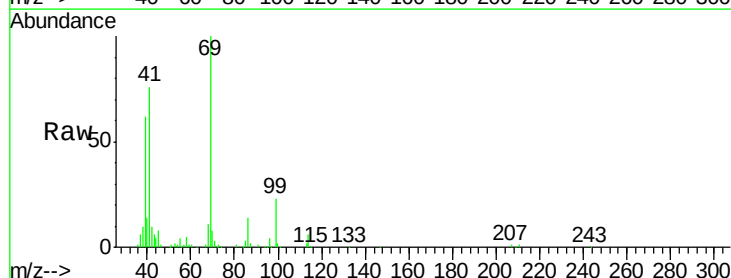
RT: 8.75 min Scan# 834

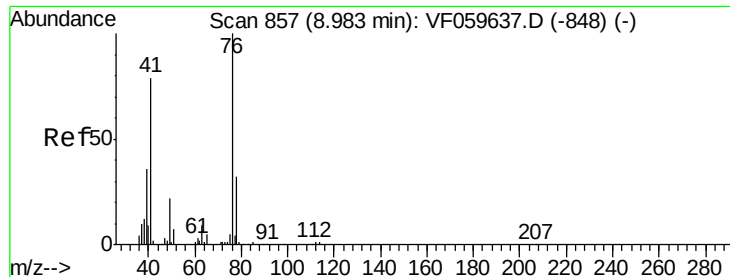
Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Tgt Ion:	69	Resp:	75266
Ion	Ratio	Lower	Upper
69	100		
41	76.2	59.1	88.7
39	62.4	52.4	78.6





#57

1,3-Dichloropropane

Concen: 45.913 ug/l

RT: 8.99 min Scan# 858

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVVF072418

Tot Ion: 76 Resp: 121570

Ion Ratio Lower Upper

76 100

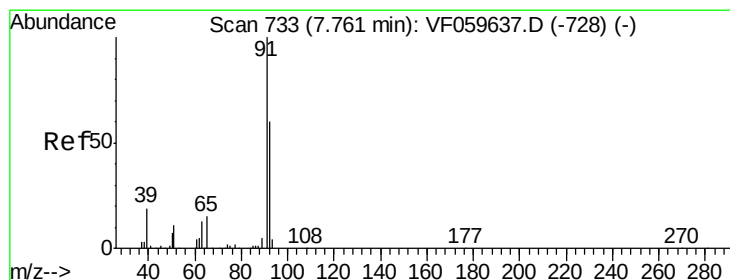
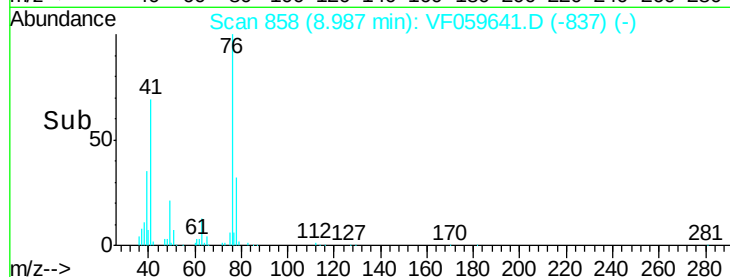
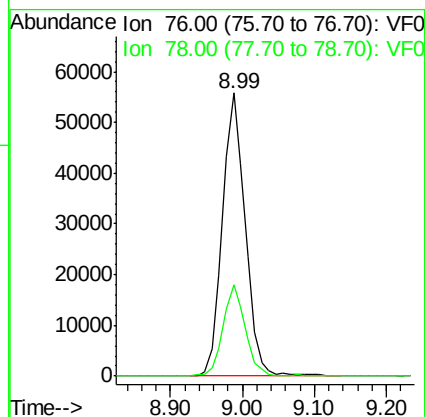
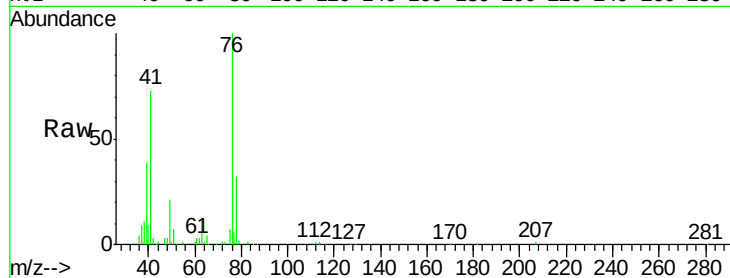
78 32.1 25.5 38.3

Manual Integrations

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7/25/2018 2:32:26 PM



#58

2-Chloroethyl Vinyl ether

Concen: 218.374 ug/l

RT: 7.77 min Scan# 734

Delta R.T. 0.00 min

Lab File: VF059641.D

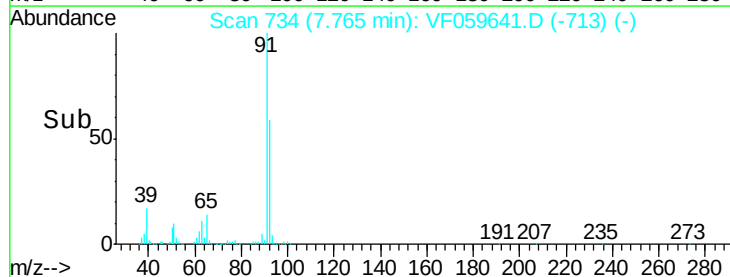
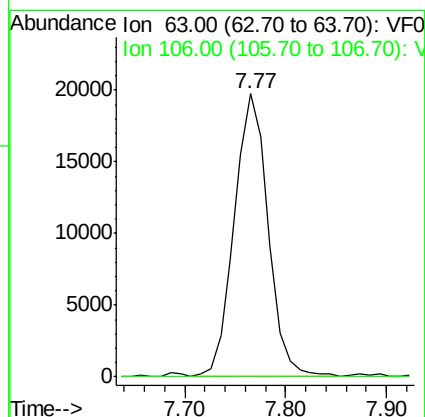
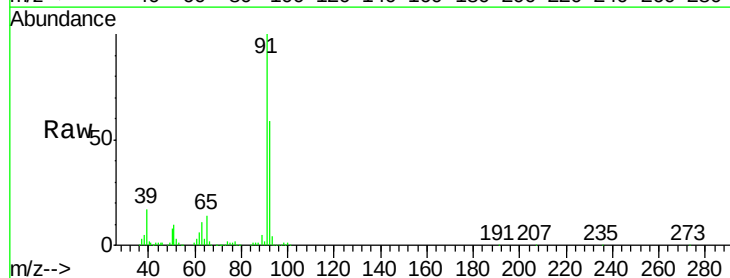
Acq: 24 Jul 2018 19:49

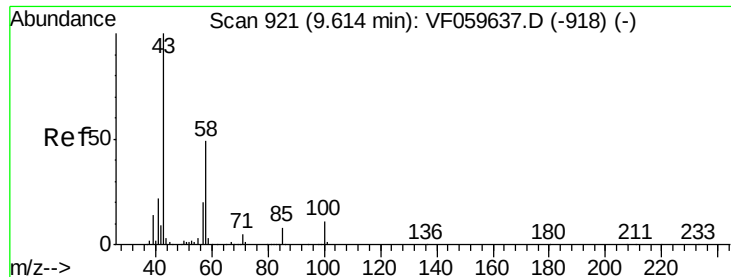
Tgt Ion: 63 Resp: 46340

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





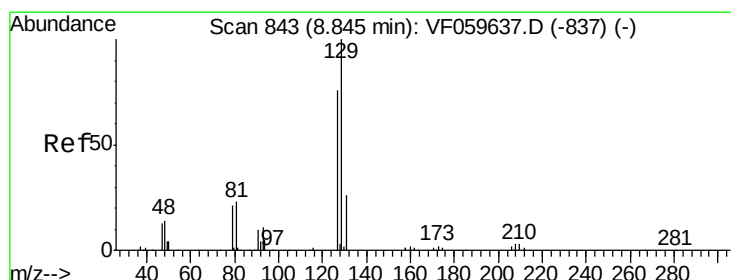
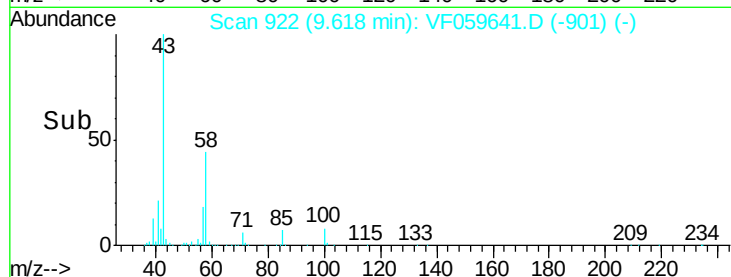
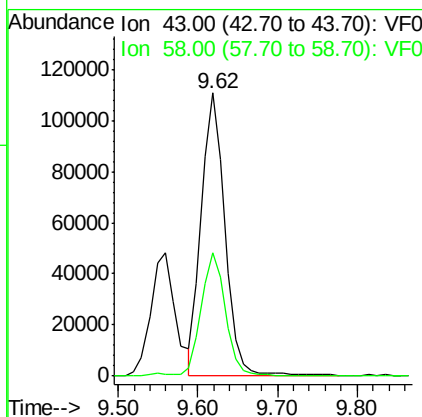
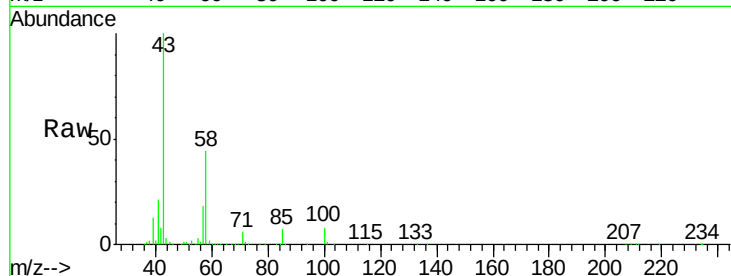
#59
2-Hexanone
Concen: 245.611 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Instrument :
MSVOA_F
ClientSampleId :
VICVF072418

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.6	23.6	71.0

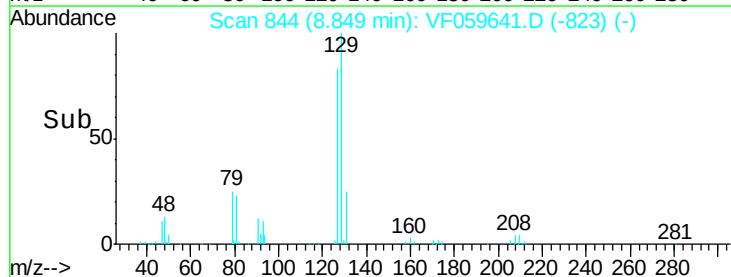
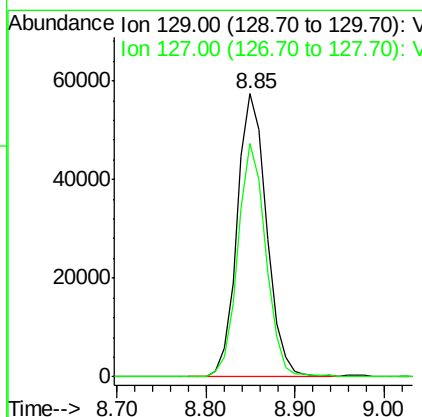
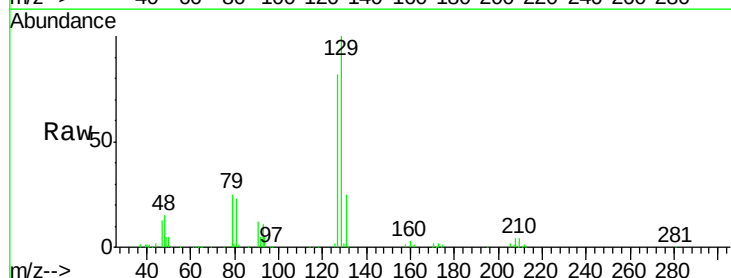
Manual Integrations
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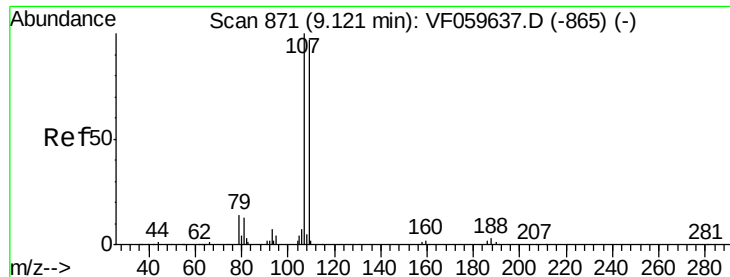
apatel
7/25/2018 2:32:26 PM



#60
Dibromochloromethane
Concen: 46.332 ug/l
RT: 8.85 min Scan# 844
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	82.3	38.1	114.5





#61

1,2-Dibromoethane

Concen: 44.631 ug/l

RT: 9.13 min Scan# 872

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVVF072418

Tot Ion:107 Resp: 84286

Ion Ratio Lower Upper

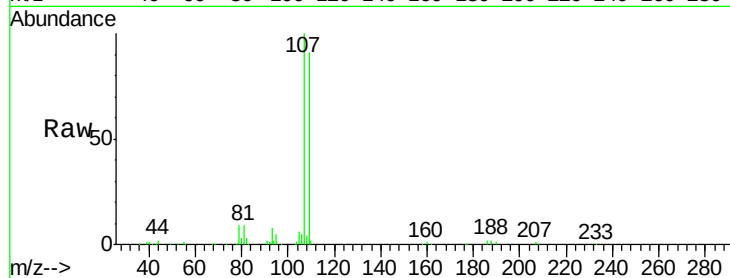
107 100

109 91.4 77.3 115.9

Manual Integrations
APPROVED

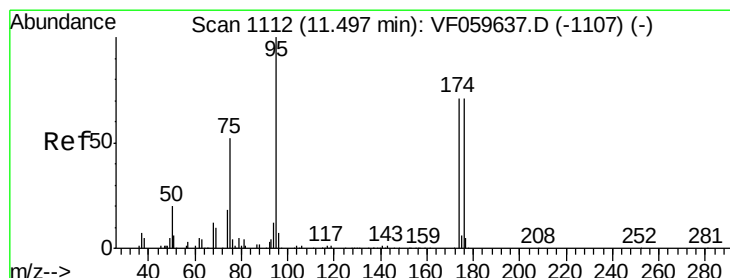
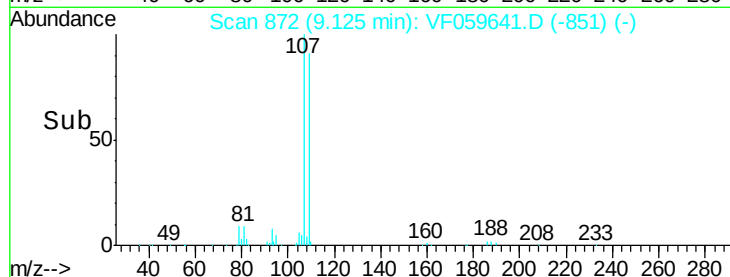
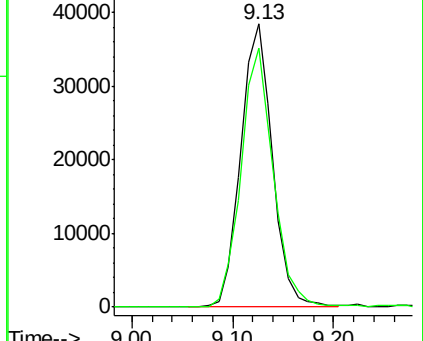
apatel

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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: 48.457 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

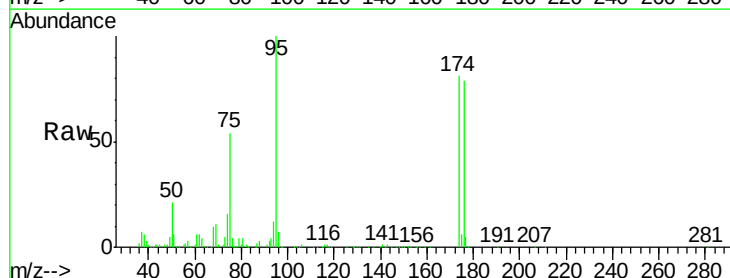
Tgt Ion: 95 Resp: 199892

Ion Ratio Lower Upper

95 100

174 80.9 0.0 141.8

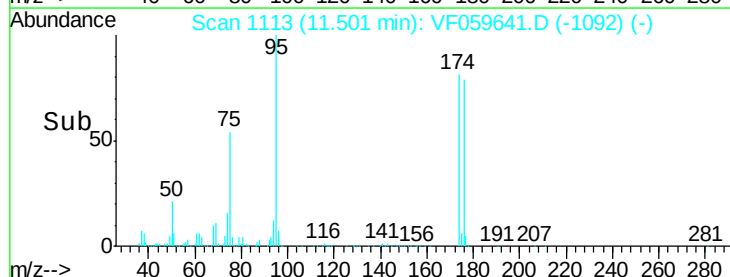
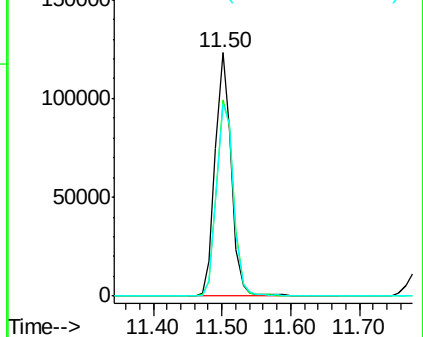
176 79.0 0.0 142.0

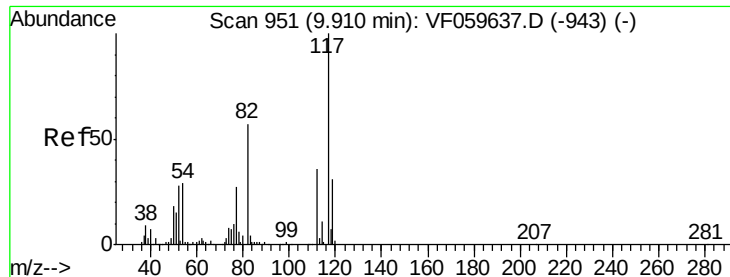


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





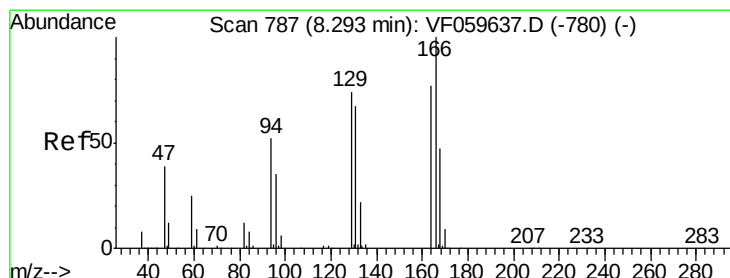
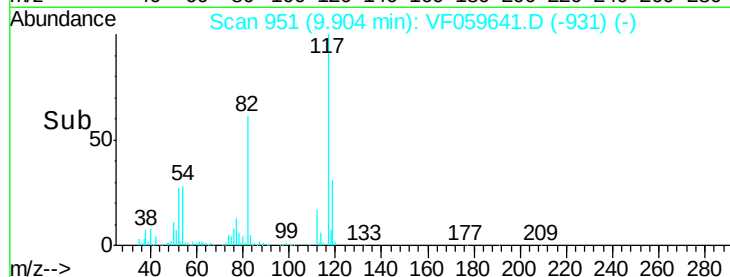
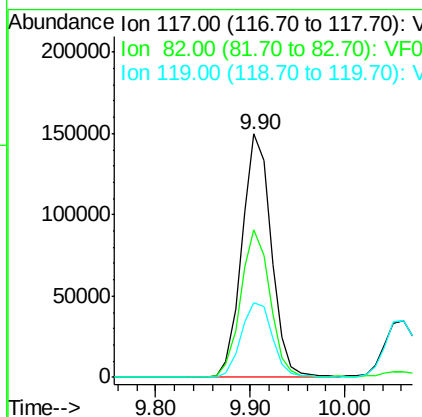
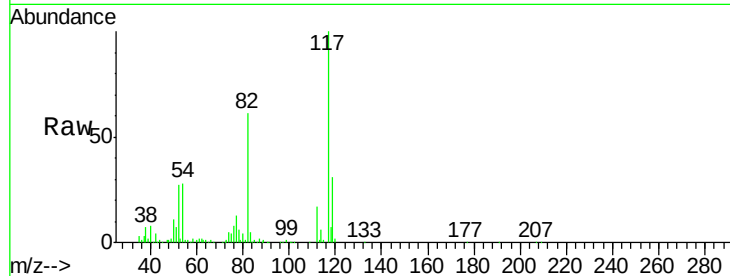
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Instrument :
MSVOA_F
ClientSampleId :
VICVVF072418

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	60.8	45.9	68.9
119	30.8	25.1	37.7

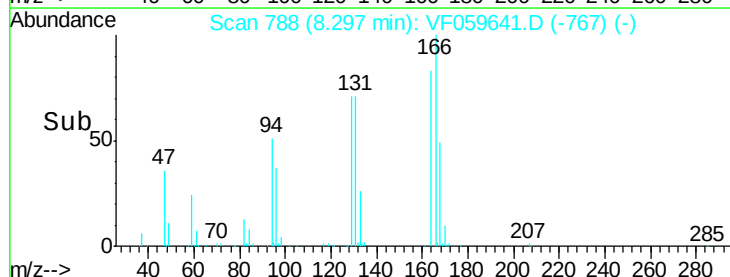
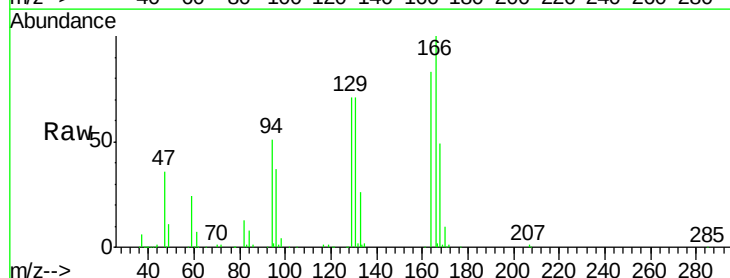
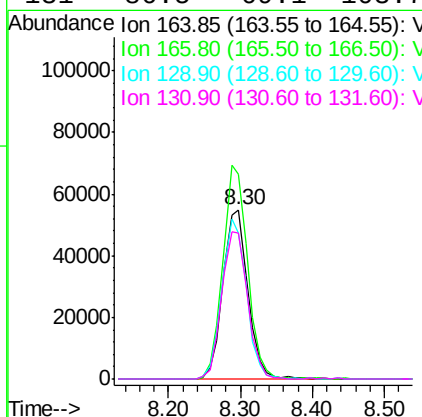
Manual Integrations
APPROVED

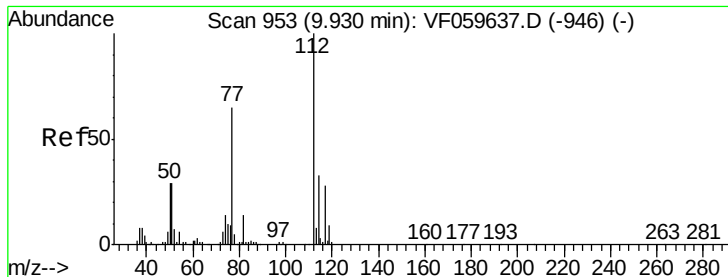
apatel
7/25/2018 2:32:26 PM



#64
Tetrachloroethene
Concen: 51.544 ug/l
RT: 8.30 min Scan# 788
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	121.1	103.3	154.9
129	86.5	76.2	114.2
131	86.5	69.1	103.7





#65

Chlorobenzene

Concen: 48.158 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVVF072418

Tot Ion:112 Resp: 287427

Ion Ratio Lower Upper

112 100

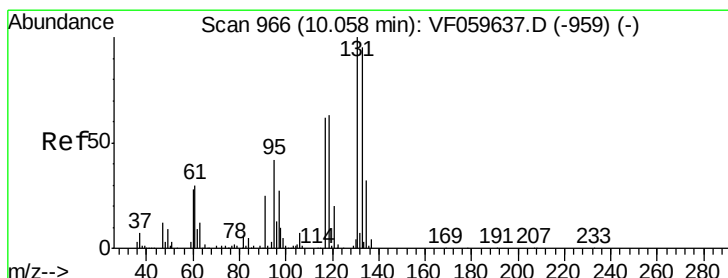
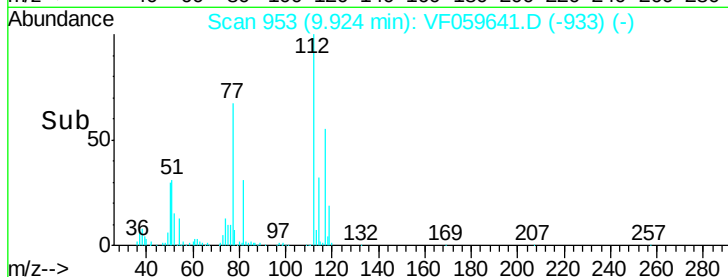
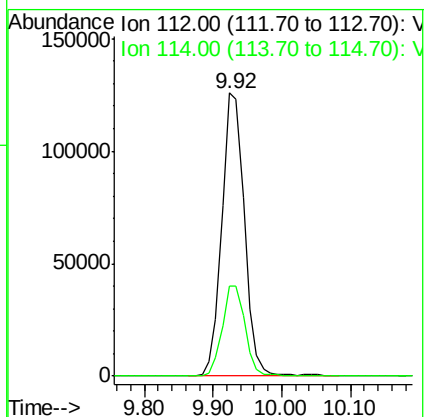
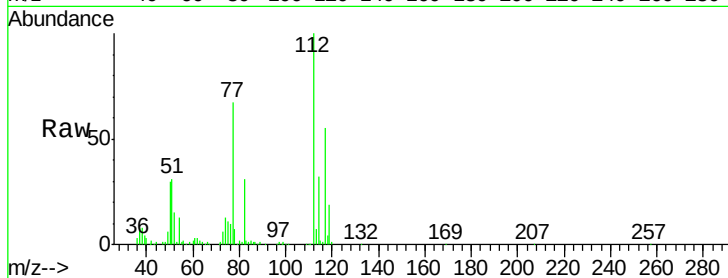
114 31.6 26.4 39.6

Manual Integrations

APPROVED

apatel

7/25/2018 2:32:26 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 48.064 ug/l

RT: 10.06 min Scan# 967

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

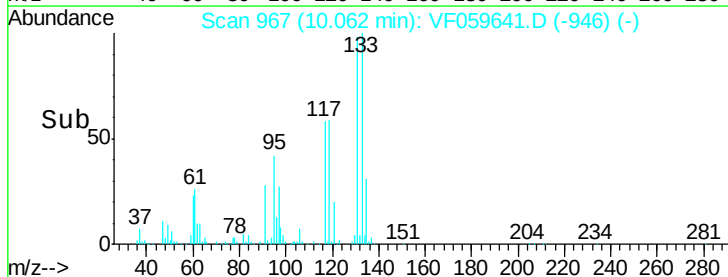
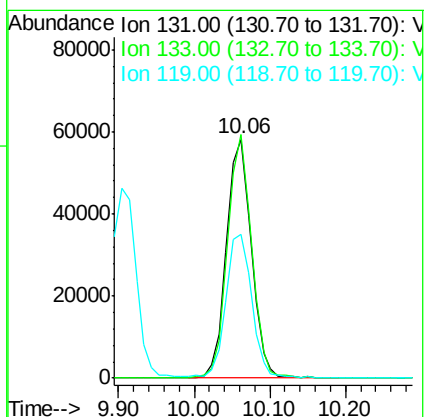
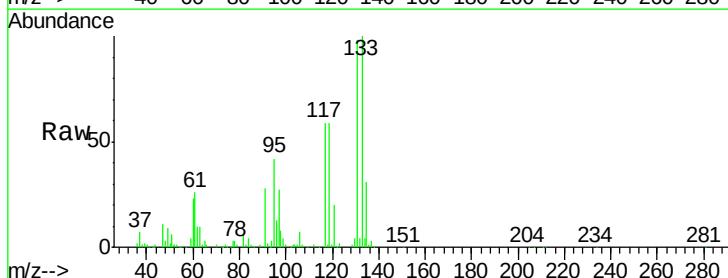
Tgt Ion:131 Resp: 132980

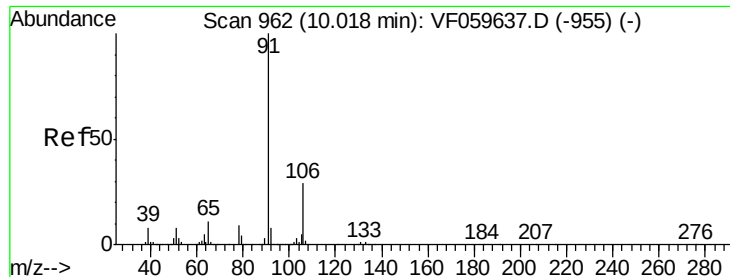
Ion Ratio Lower Upper

131 100

133 102.0 47.5 142.6

119 60.2 31.8 95.4





#67

Ethyl Benzene

Concen: 50.897 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVF072418

Tot Ion: 91 Resp: 545886

Ion Ratio Lower Upper

91 100

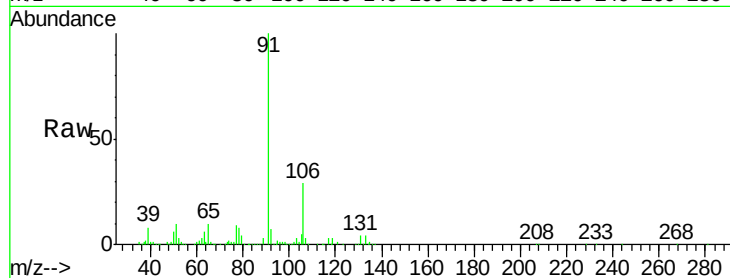
106 29.3 23.4 35.0

Manual Integrations

APPROVED

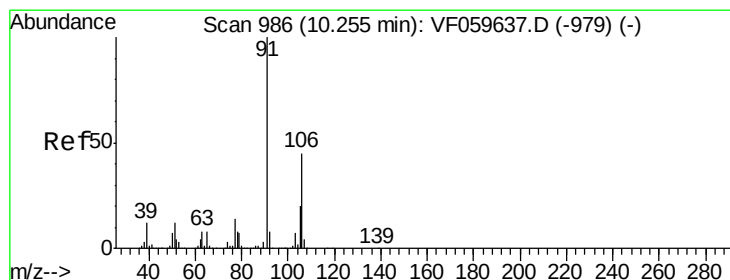
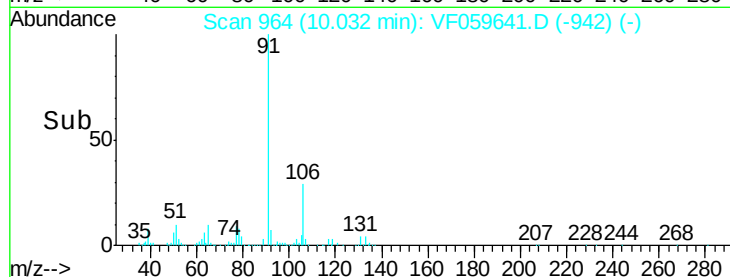
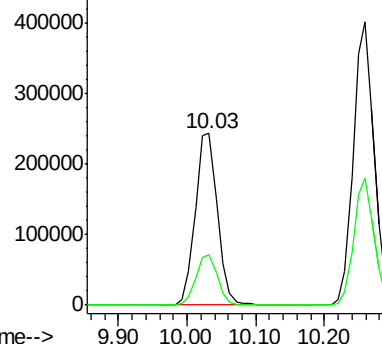
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 97.693 ug/l

RT: 10.26 min Scan# 987

Delta R.T. 0.00 min

Lab File: VF059641.D

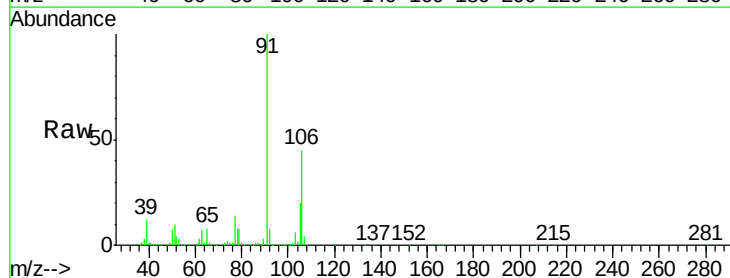
Acq: 24 Jul 2018 19:49

Tgt Ion: 106 Resp: 374370

Ion Ratio Lower Upper

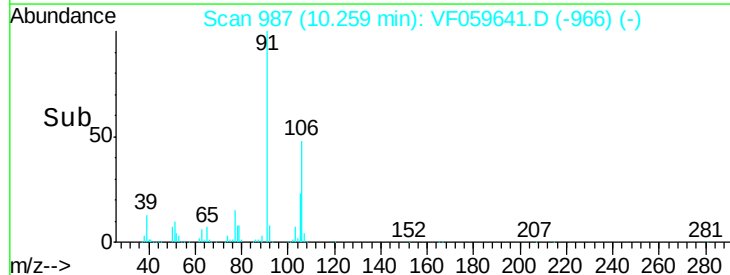
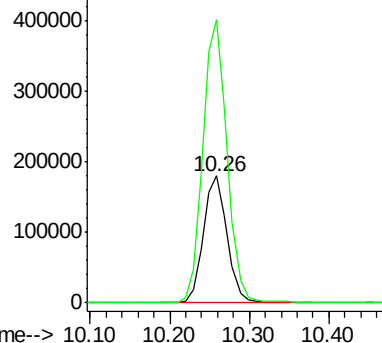
106 100

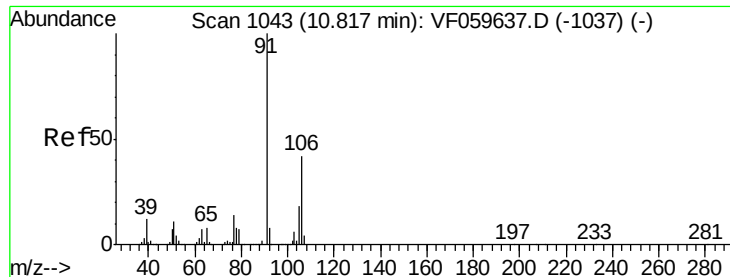
91 223.4 177.8 266.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





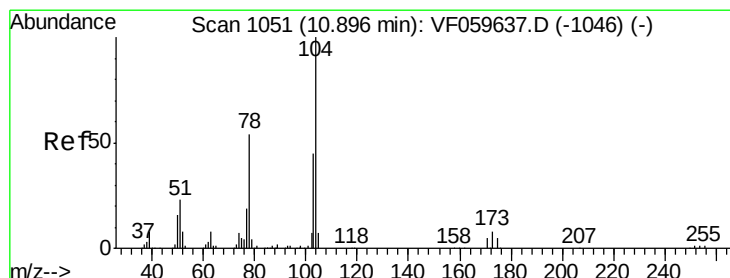
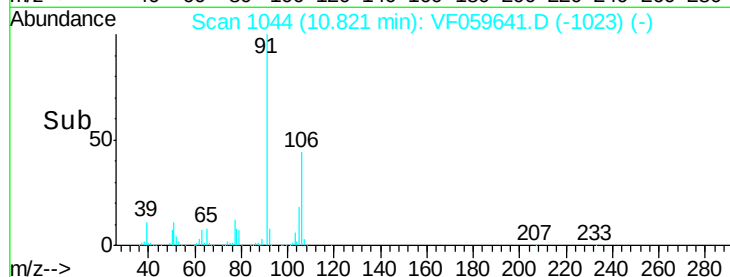
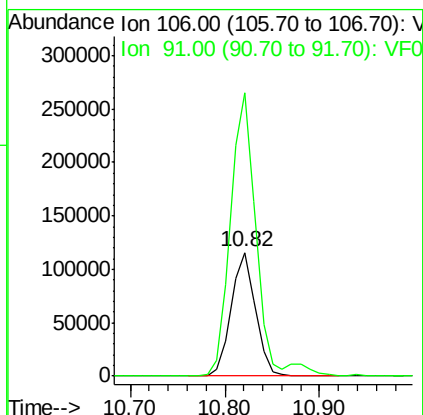
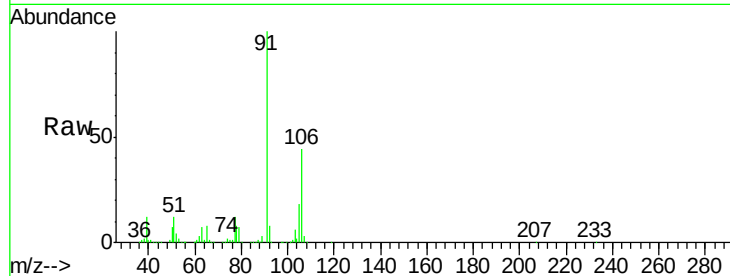
#69
o-Xylene
Concen: 50.774 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Instrument :
MSVOA_F
ClientSampleId :
VICVF072418

Tot Ion:106 Resp: 207123
Ion Ratio Lower Upper
106 100
91 228.4 119.3 357.9

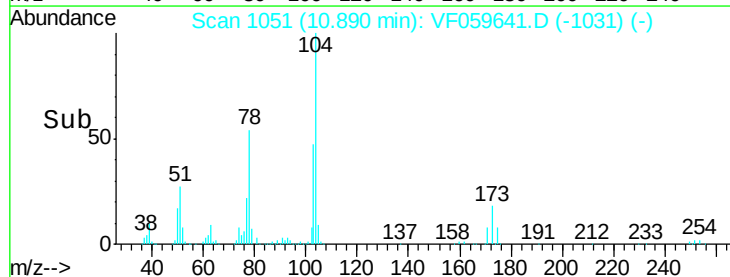
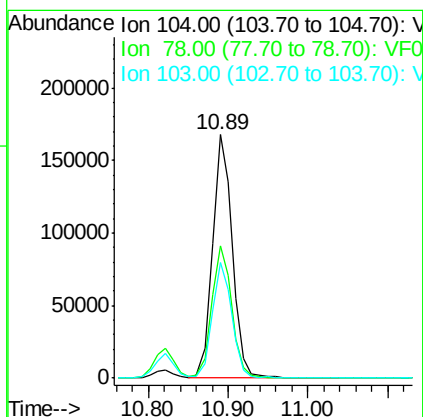
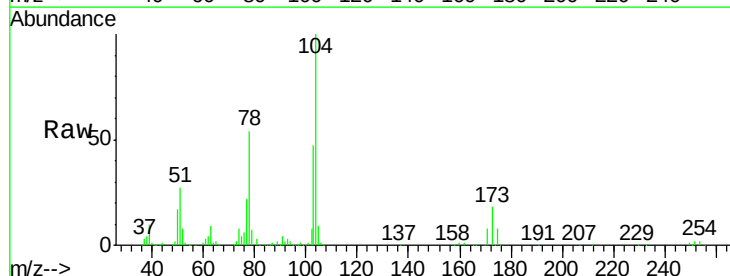
Manual Integrations
APPROVED

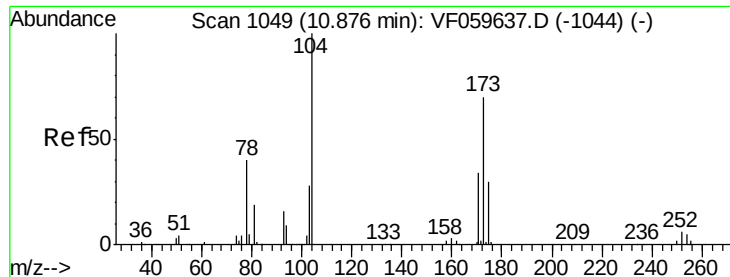
apatel
7/25/2018 2:32:26 PM



#70
Styrene
Concen: 49.672 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion:104 Resp: 292624
Ion Ratio Lower Upper
104 100
78 54.4 43.4 65.2
103 47.4 36.7 55.1





#71

Bromoform

Concen: 50.141 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVVF072418

Tot Ion:173 Resp: 78098

Ion Ratio Lower Upper

173 100

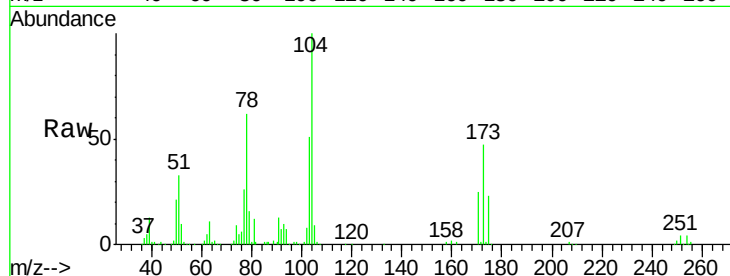
175 49.1 21.6 65.0

254 0.3 0.0 0.0#

Manual Integrations
APPROVED

apatel

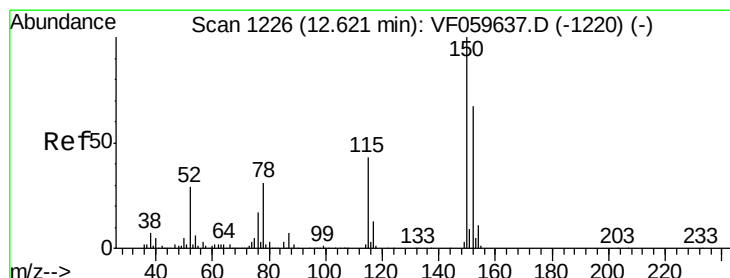
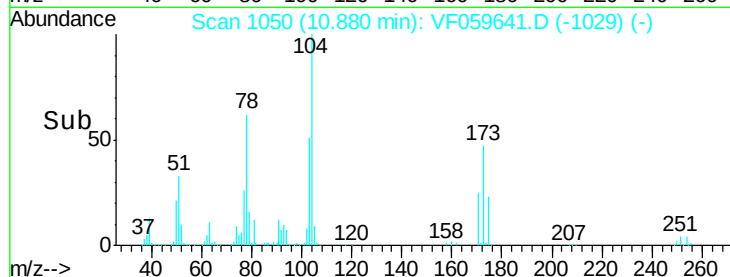
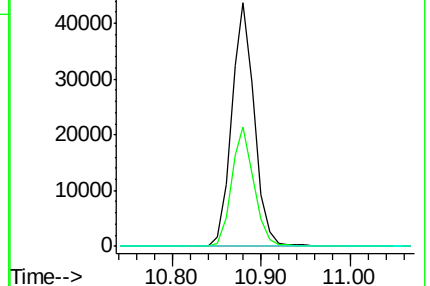
7/25/2018 2:32:26 PM



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: 12.62 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

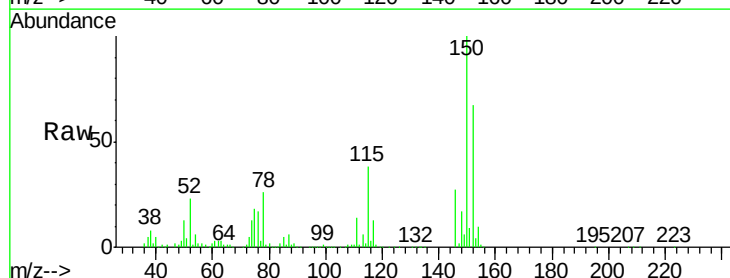
Tgt Ion:152 Resp: 203329

Ion Ratio Lower Upper

152 100

115 56.6 32.0 96.2

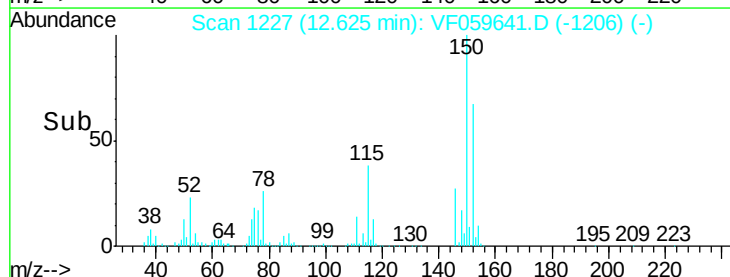
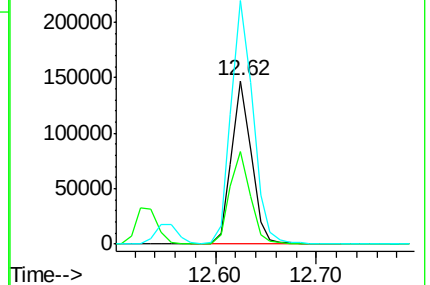
150 149.0 0.0 313.2

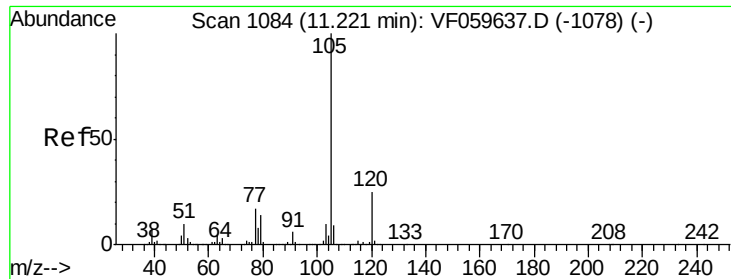


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





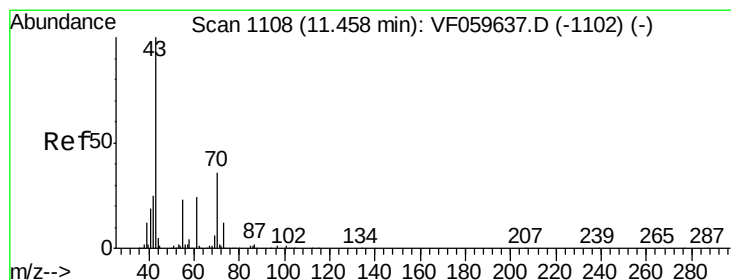
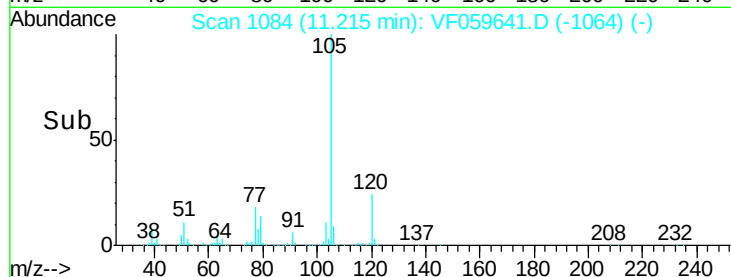
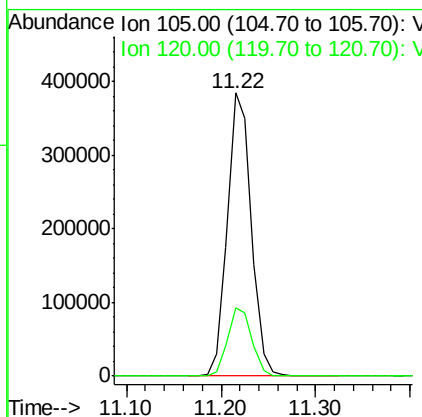
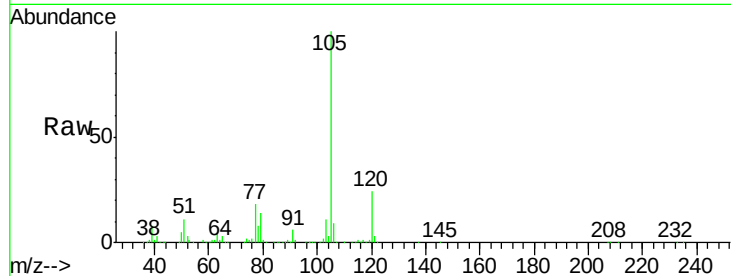
#73
Isopropylbenzene
Concen: 52.656 ug/l
RT: 11.22 min Scan# 1084
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Instrument :
MSVOA_F
ClientSampleId :
VICVF072418

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.3	12.6	37.8

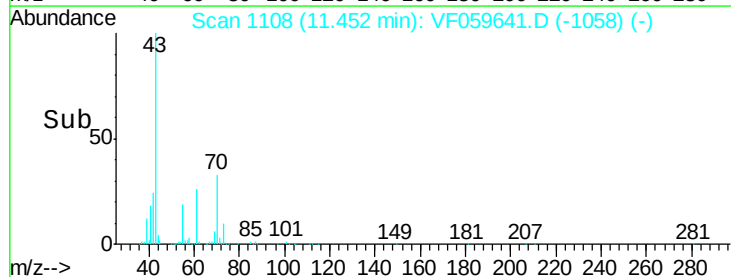
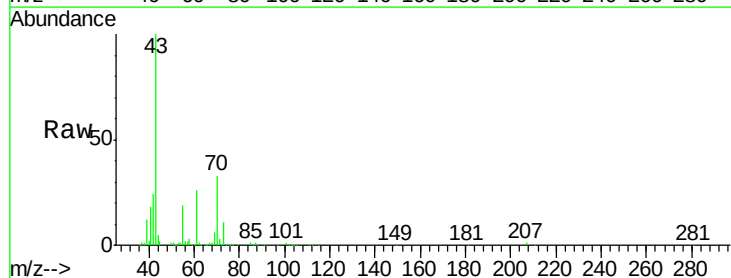
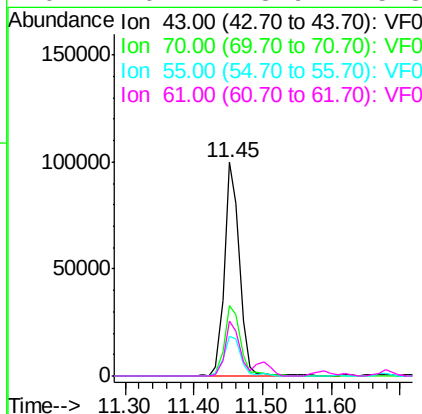
Manual Integrations
APPROVED

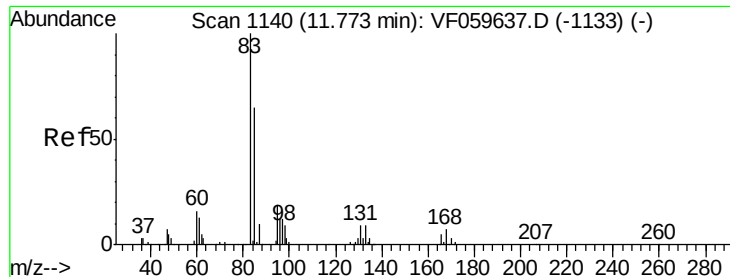
apatel
7/25/2018 2:32:26 PM



#74
N-ethyl acetate
Concen: 55.597 ug/l
RT: 11.45 min Scan# 1108
Delta R.T. -0.01 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Lower	Upper
43	100		
70	32.8	29.4	44.0
55	18.8	18.2	27.4
61	26.1	18.9	28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 49.305 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

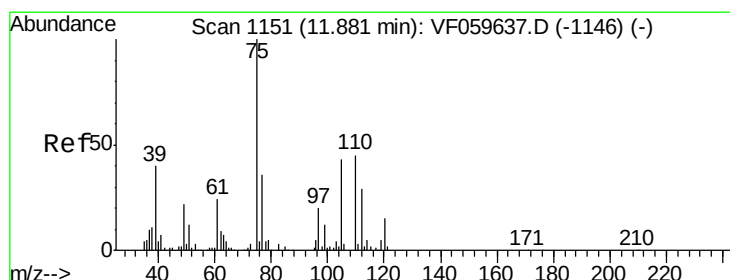
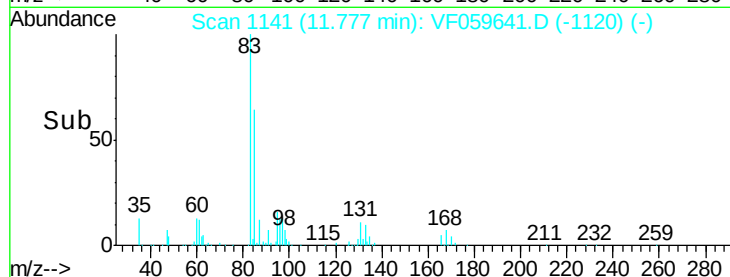
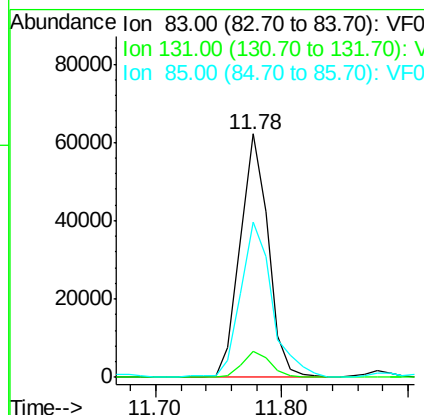
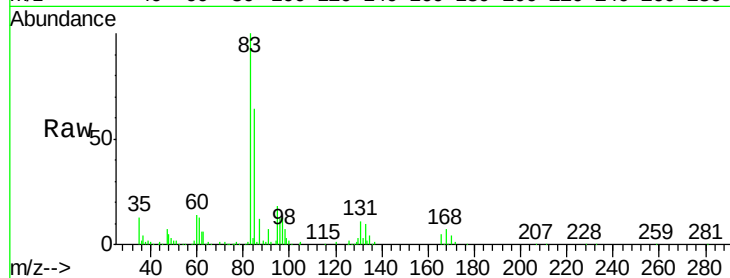
ClientSampleId :

VICVF072418

Tot Ion:	83	Resp:	95416
Ion Ratio	Lower	Upper	
83	100		
131	10.8	4.5	13.5
85	64.0	32.6	97.7

Manual Integrations
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apatel
7/25/2018 2:32:26 PM



#76

1,2,3-Trichloropropane

Concen: 49.924 ug/l

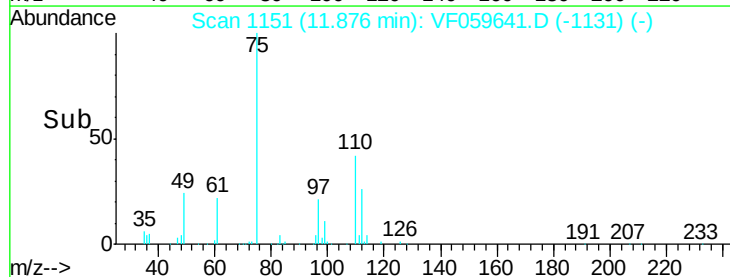
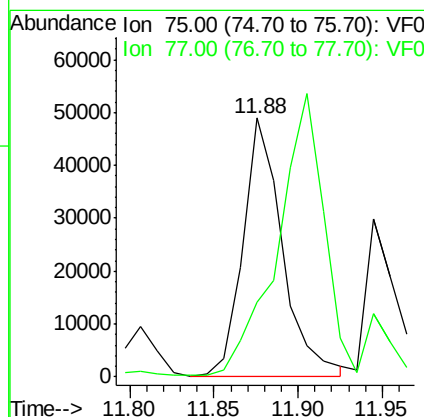
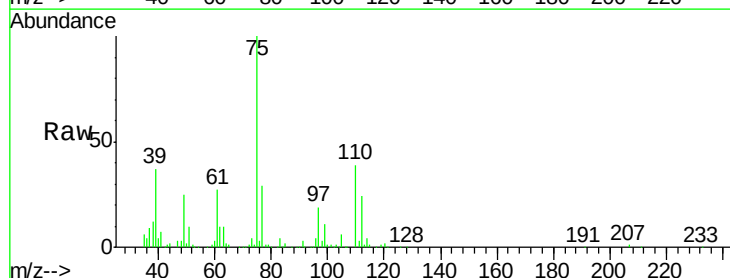
RT: 11.88 min Scan# 1151

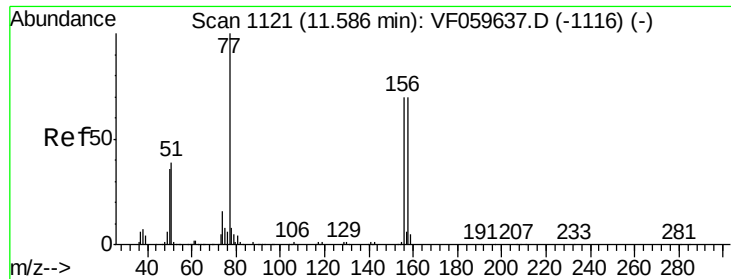
Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Tgt Ion:	75	Resp:	79801
Ion Ratio	Lower	Upper	
75	100		
77	29.1	18.4	55.0





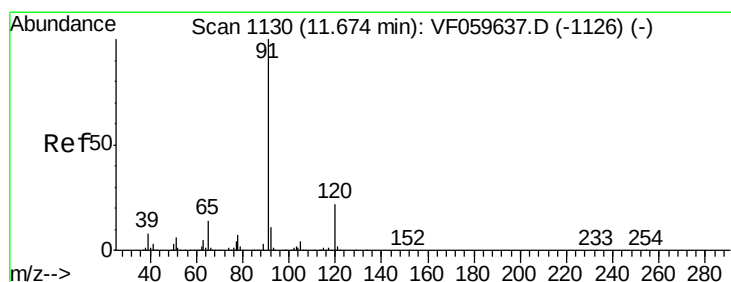
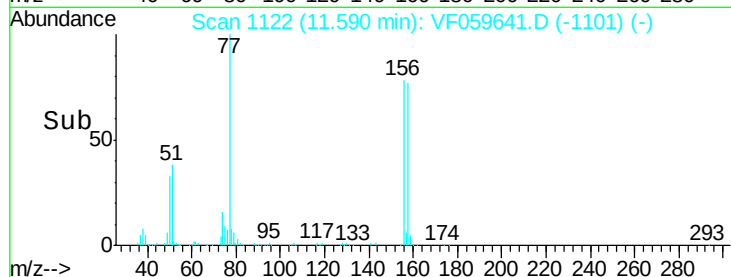
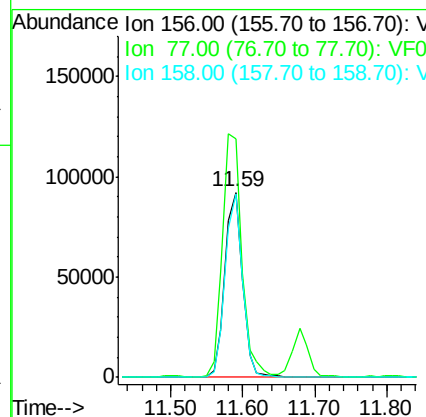
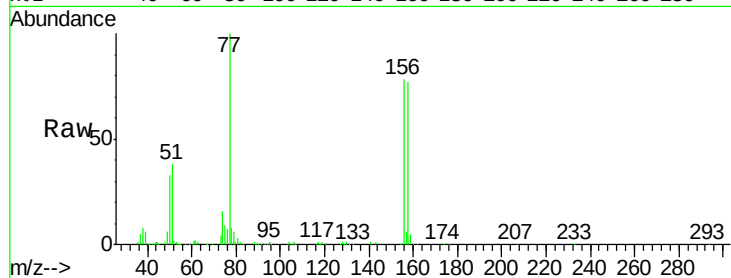
#77
Bromobenzene
Concen: 49.958 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Instrument :
MSVOA_F
ClientSampleId :
VICVVF072418

Tot Ion	Ratio	Lower	Upper
156	100		
77	128.9	71.5	214.3
158	99.1	50.0	149.8

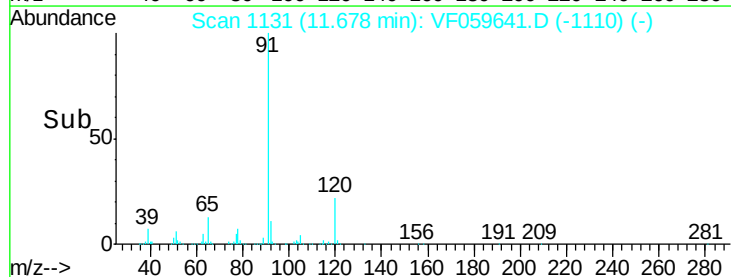
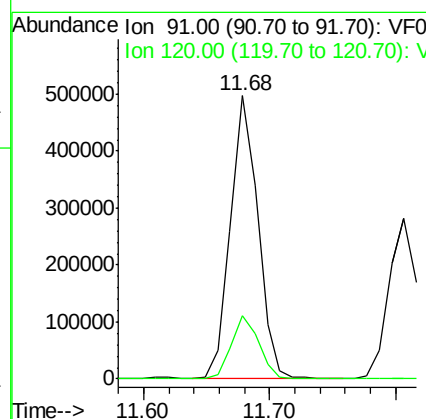
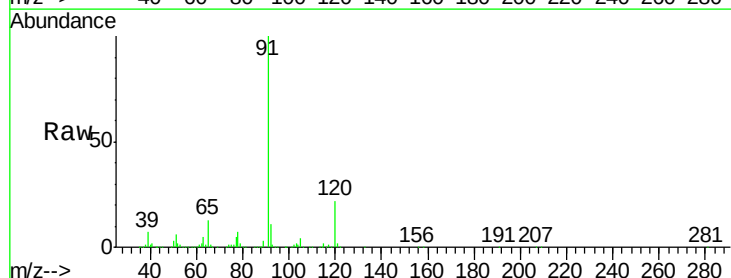
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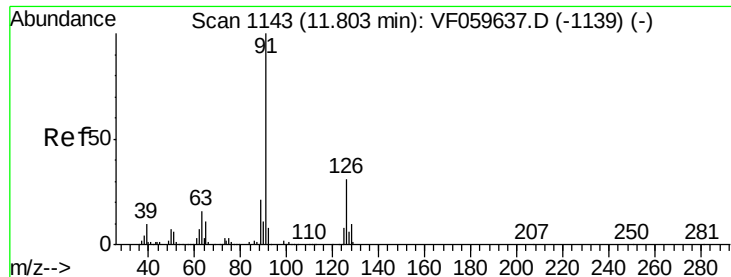
apatel
7/25/2018 2:32:26 PM



#78
n-propylbenzene
Concen: 49.165 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.5	10.8	32.4





#79

2-Chlorotoluene

Concen: 48.675 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVF072418

Tot Ion: 91 Resp: 445616

Ion Ratio Lower Upper

91 100

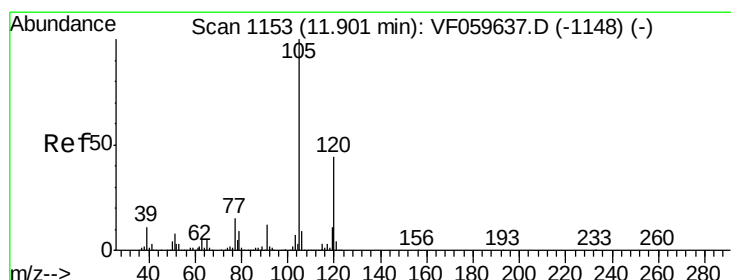
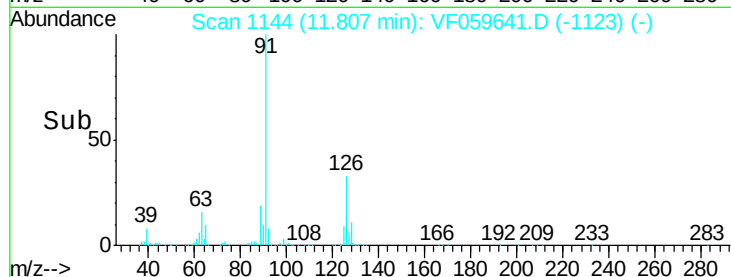
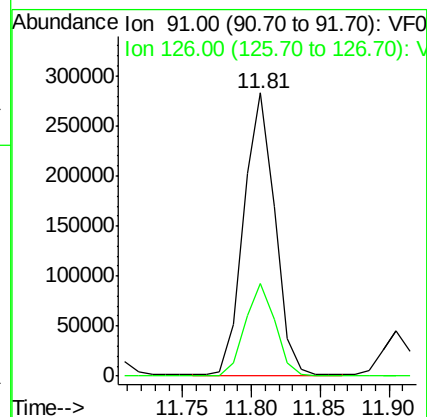
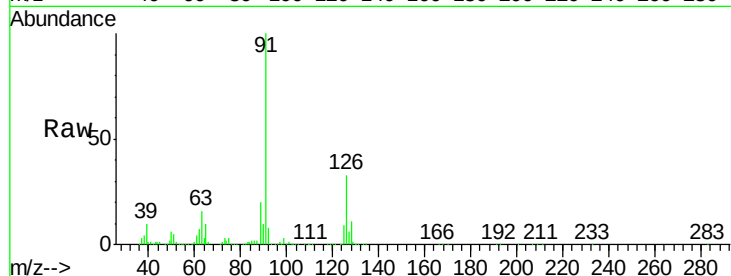
126 32.8 15.4 46.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.128 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.00 min

Lab File: VF059641.D

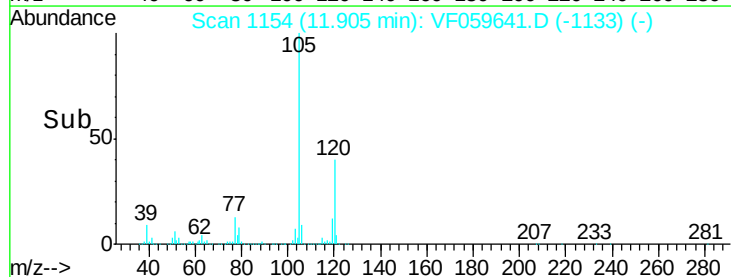
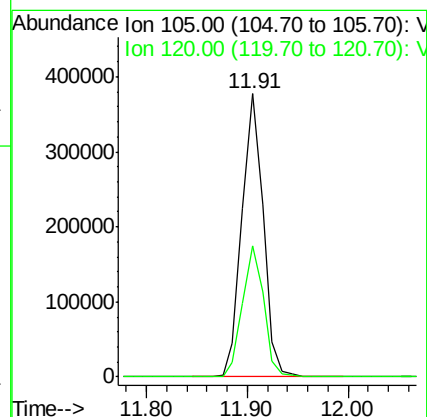
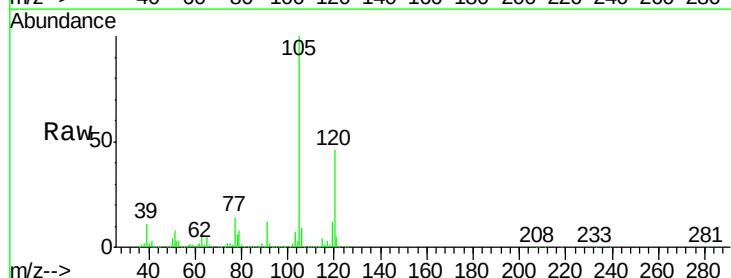
Acq: 24 Jul 2018 19:49

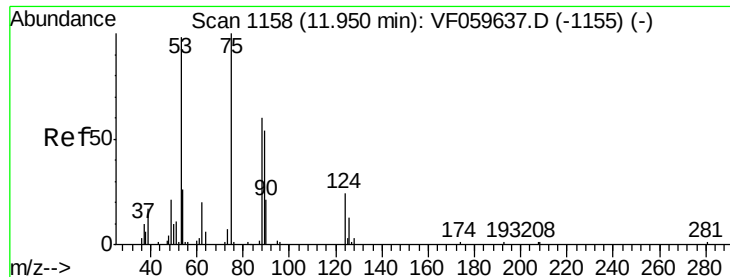
Tgt Ion:105 Resp: 557755

Ion Ratio Lower Upper

105 100

120 46.1 21.8 65.4





#81

trans-1,4-Dichloro-2-butene

Concen: 51.687 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

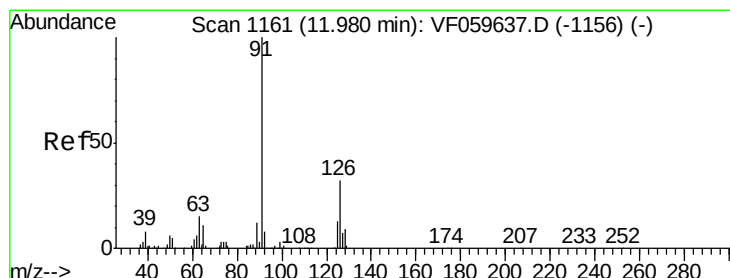
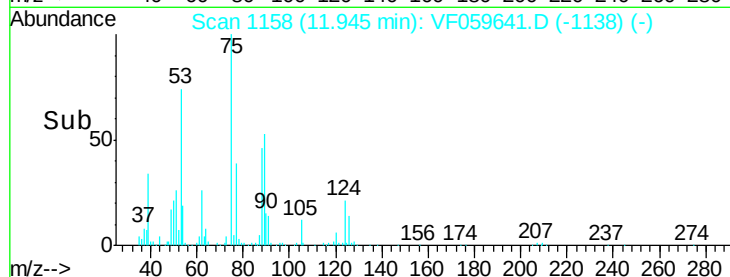
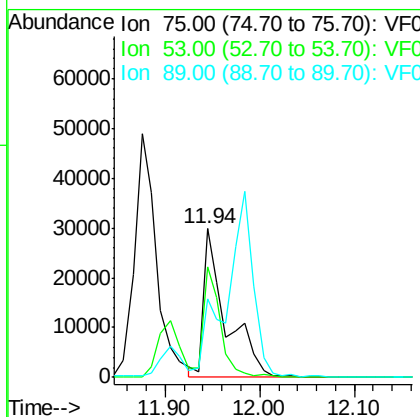
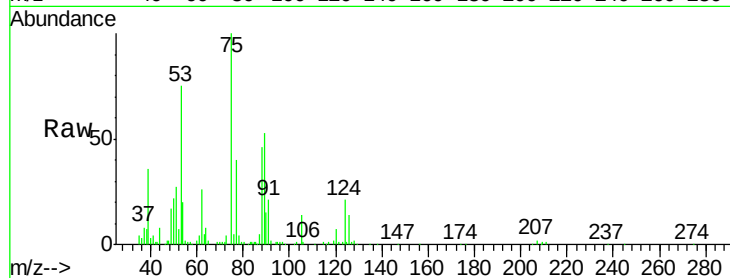
ClientSampleId :

VICVF072418

Tot Ion:	75	Resp:	50855
Ion Ratio	Lower	Upper	
75	100		
53	74.7	82.3	123.5#
89	52.7	48.2	72.2

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#82

4-Chlorotoluene

Concen: 48.578 ug/l

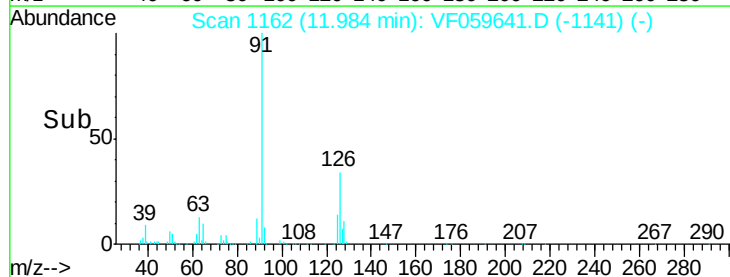
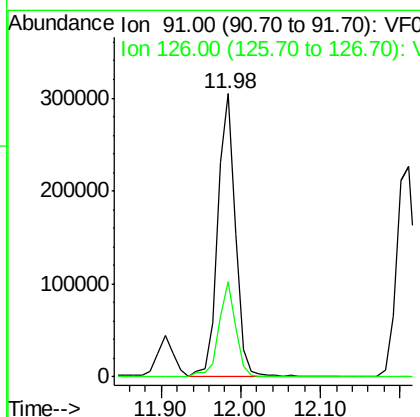
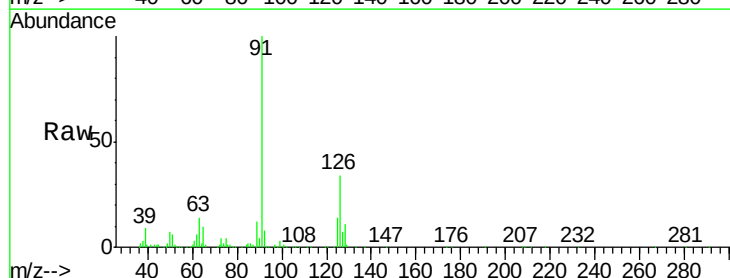
RT: 11.98 min Scan# 1162

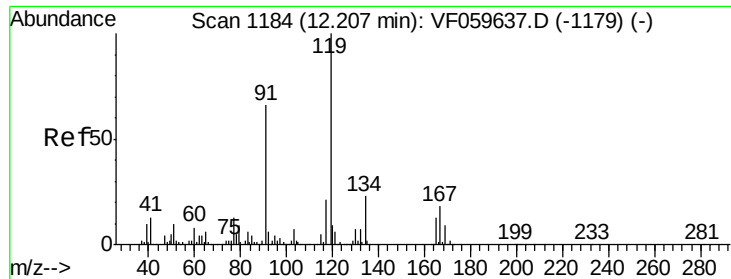
Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Tgt Ion:	91	Resp:	474568
Ion Ratio	Lower	Upper	
91	100		
126	33.7	16.1	48.2





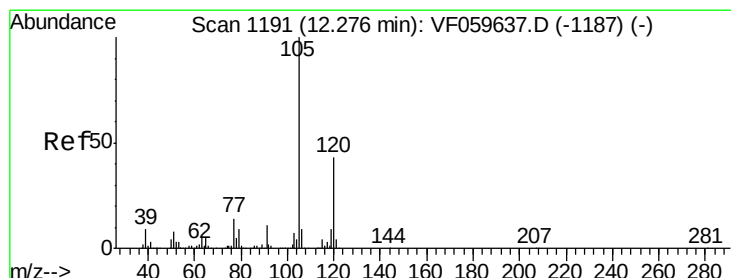
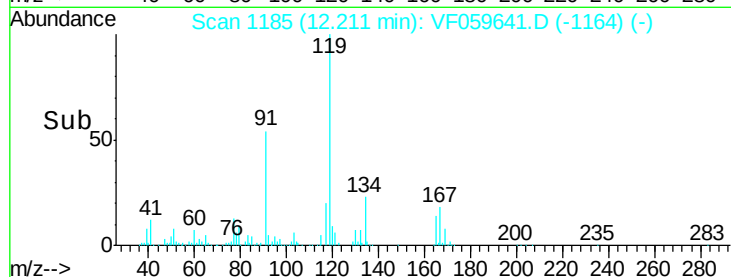
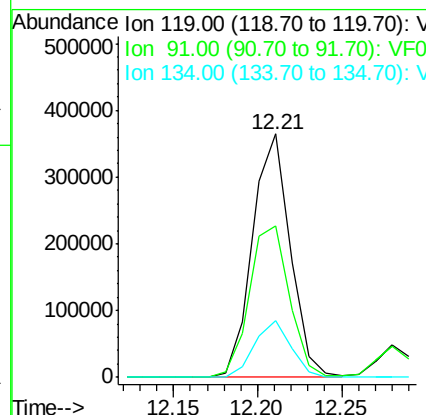
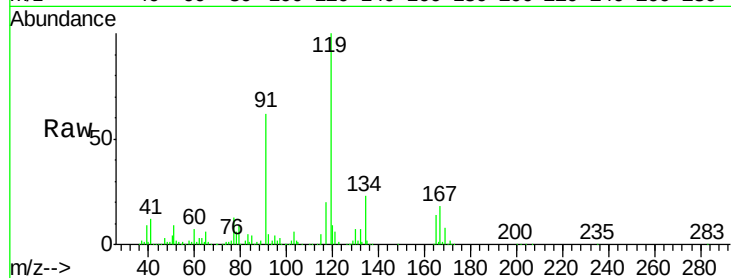
#83
tert-Butylbenzene
Concen: 49.645 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Instrument :
MSVOA_F
ClientSampleId :
VICVF072418

Tot Ion	Ratio	Resp	Lower	Upper
119	100	568239		
91	62.2	33.2	99.6	
134	23.5	11.5	34.4	

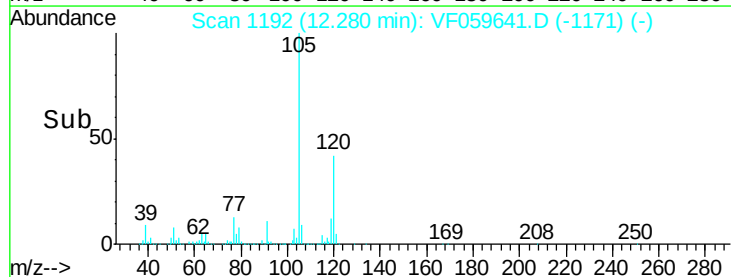
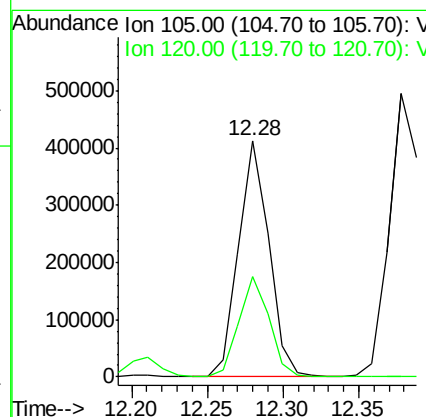
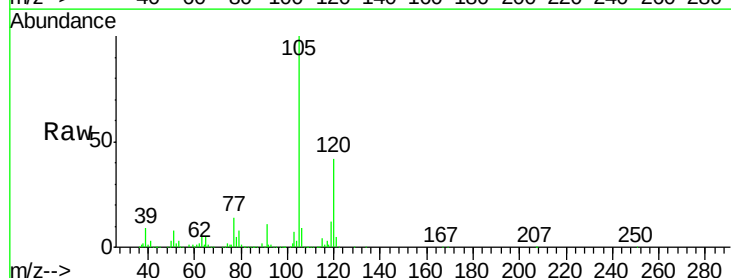
Manual Integrations
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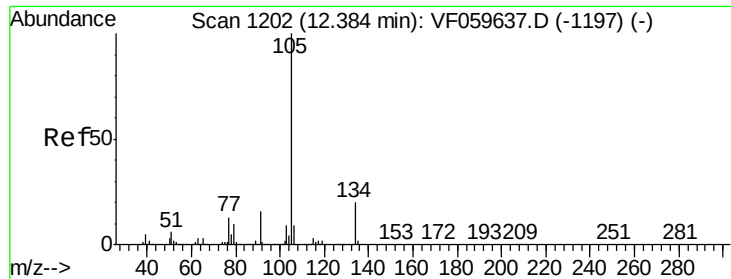
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7/25/2018 2:32:26 PM



#84
1,2,4-Trimethylbenzene
Concen: 49.499 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	576787		
120	42.4	21.4	64.2	





#85

sec-Butylbenzene

Concen: 48.220 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

Instrument :

MSVOA_F

ClientSampleId :

VICVF072418

Tot Ion:105 Resp: 735848

Ion Ratio Lower Upper

105 100

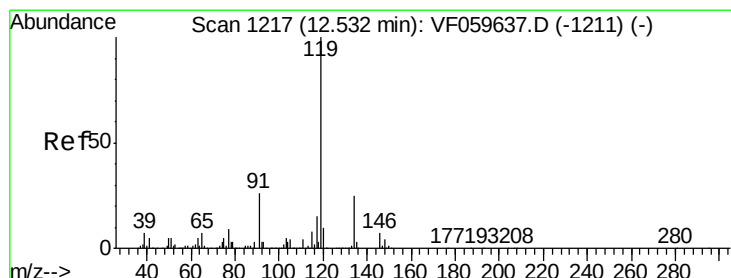
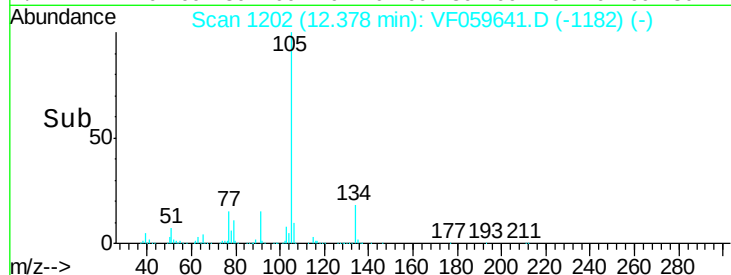
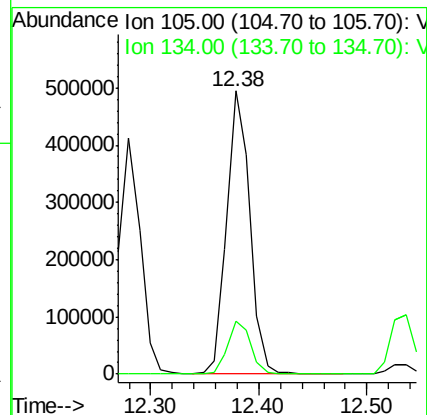
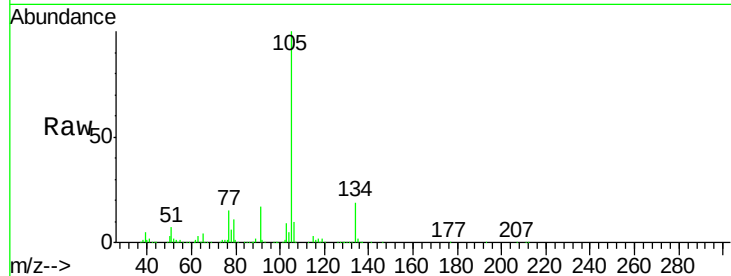
134 18.7 9.9 29.7

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 48.723 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059641.D

Acq: 24 Jul 2018 19:49

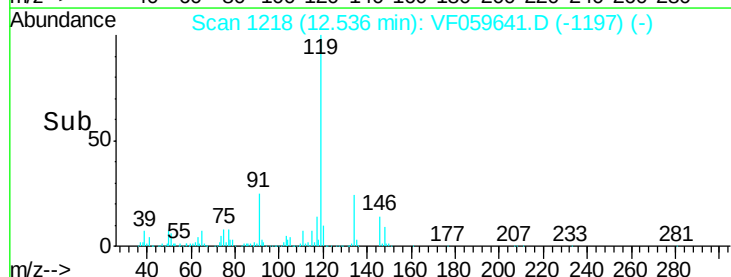
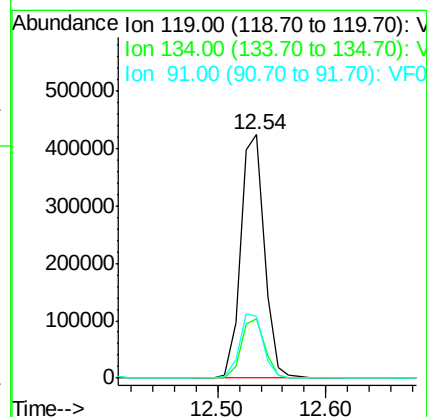
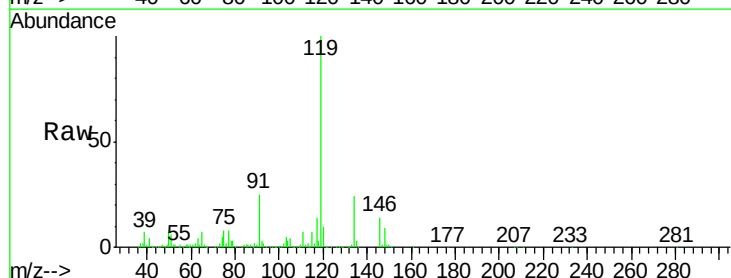
Tgt Ion:119 Resp: 647274

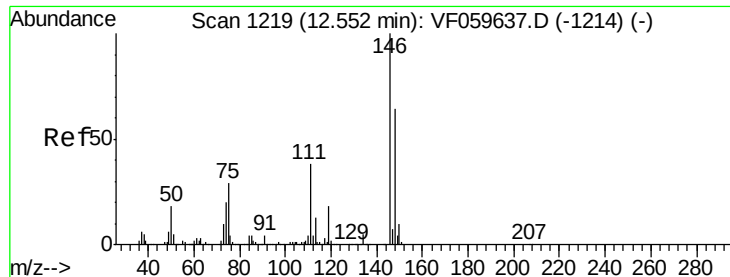
Ion Ratio Lower Upper

119 100

134 24.3 12.4 37.0

91 25.3 13.1 39.1





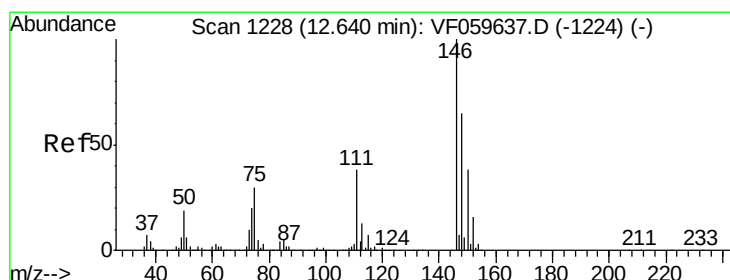
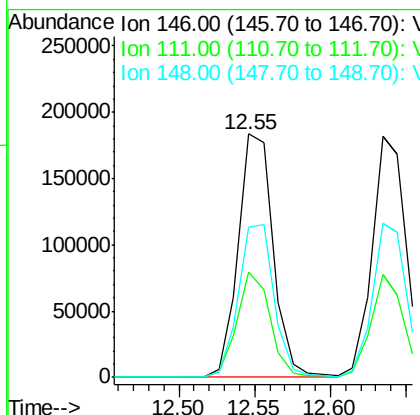
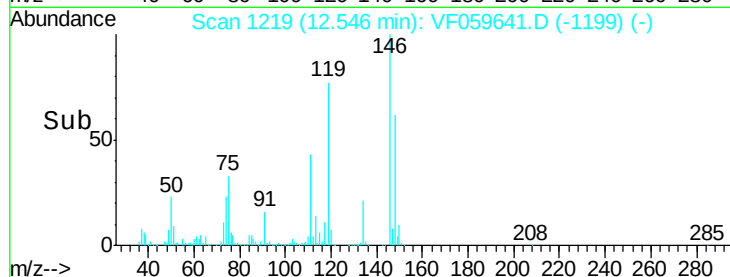
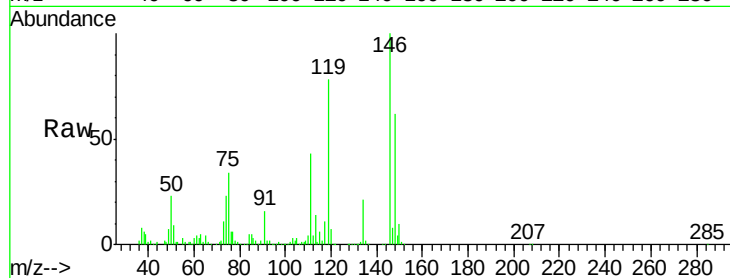
#87
 1,3-Dichlorobenzene
 Concen: 54.537 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF059641.D
 Acq: 24 Jul 2018 19:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VICVVF072418

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	19.1	57.1
148	61.7	31.9	95.9

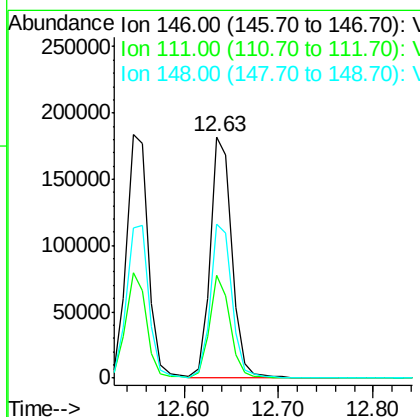
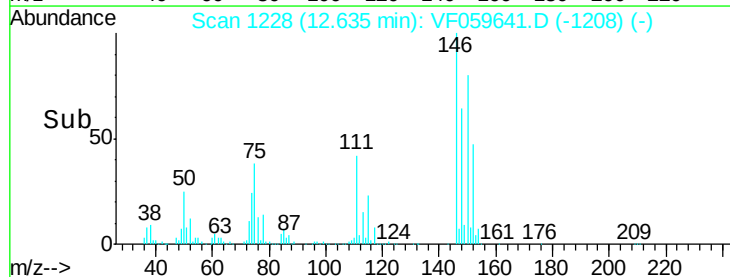
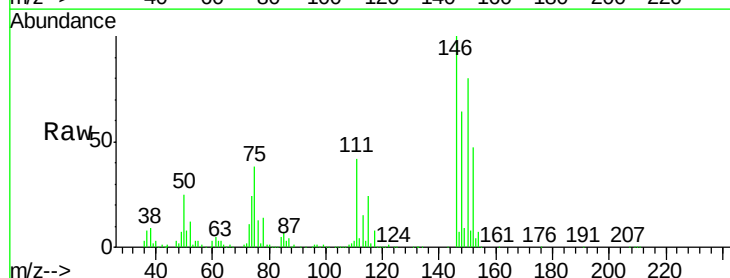
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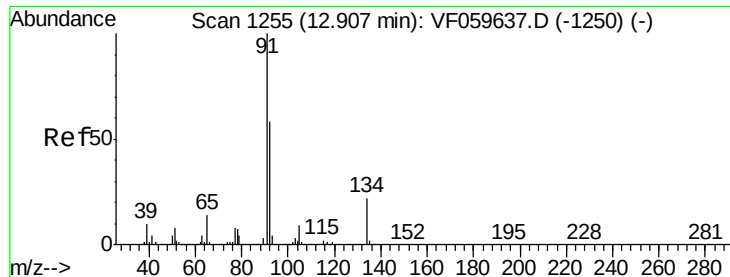
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 47.901 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059641.D
 Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	19.1	57.1
148	63.8	32.4	97.2





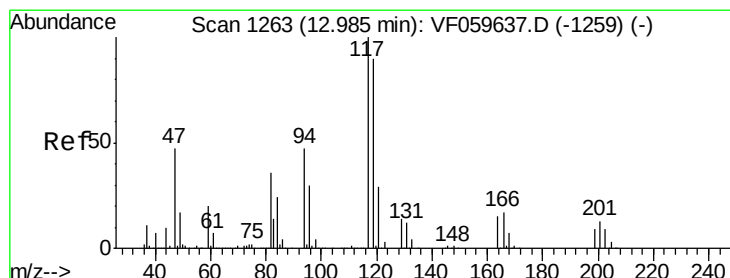
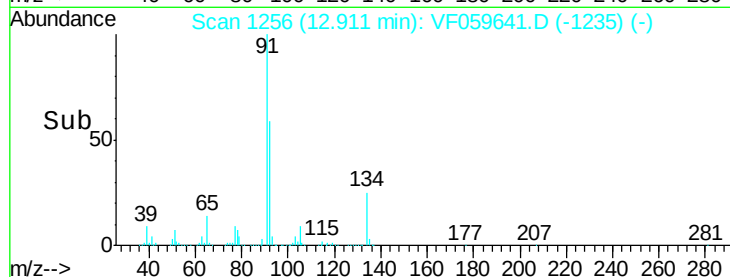
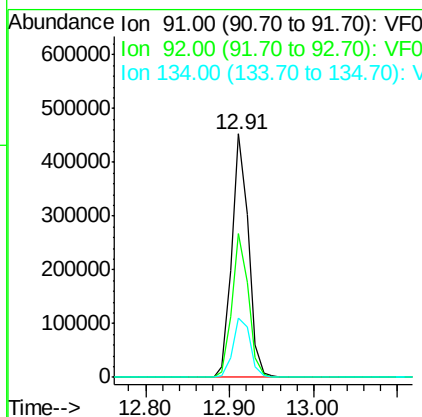
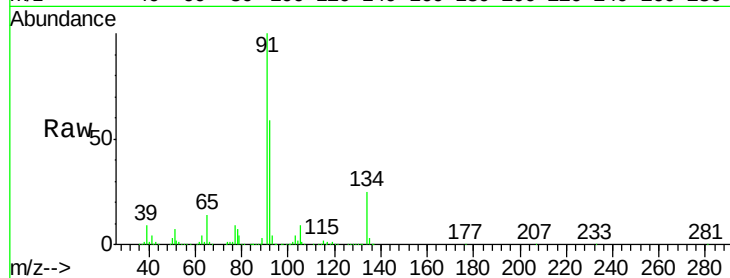
#89
n-Butylbenzene
Concen: 54.554 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Instrument :
MSVOA_F
ClientSampleId :
VICVVF072418

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.9	29.1	87.3
134	24.6	11.2	33.6

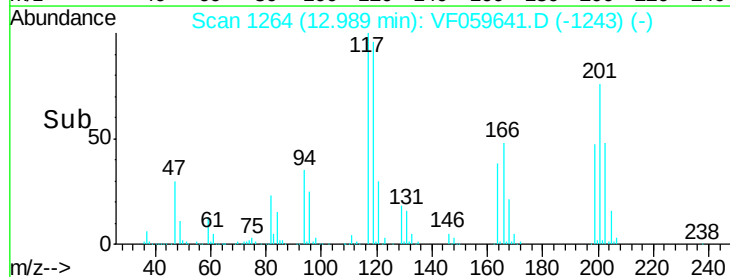
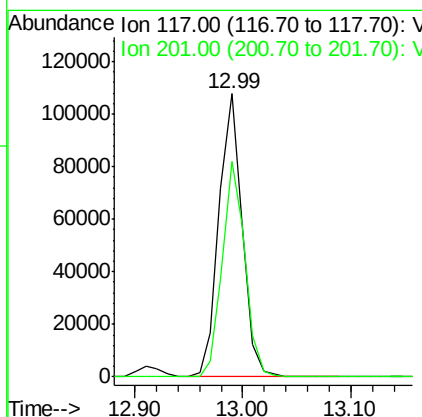
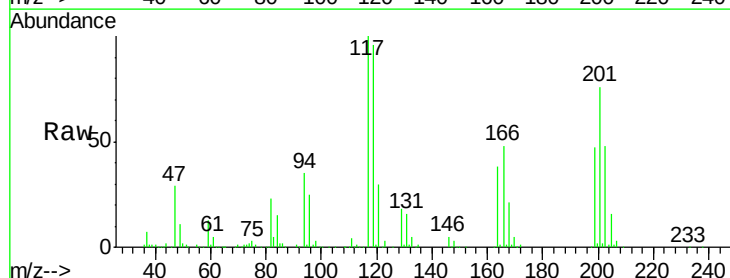
Manual Integrations
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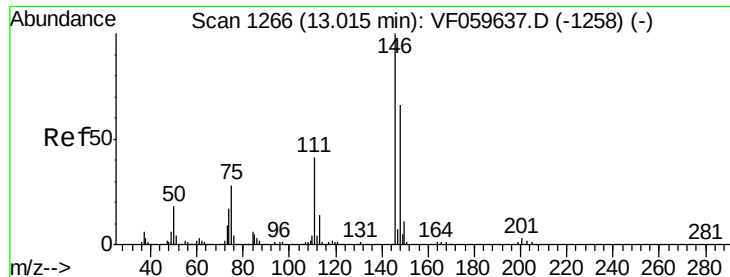
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#90
Hexachloroethane
Concen: 49.421 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.0	6.6	19.7#





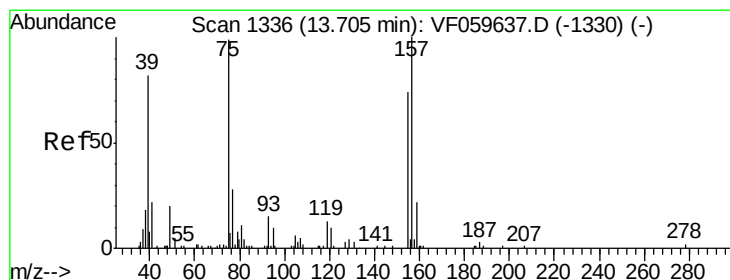
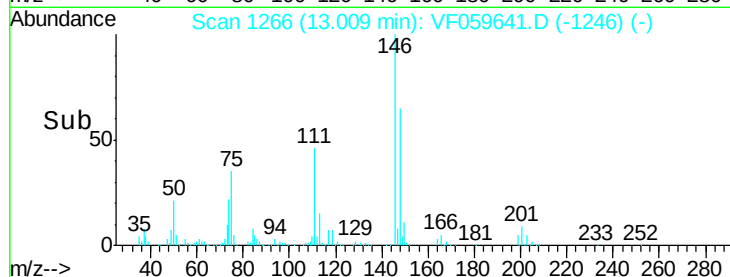
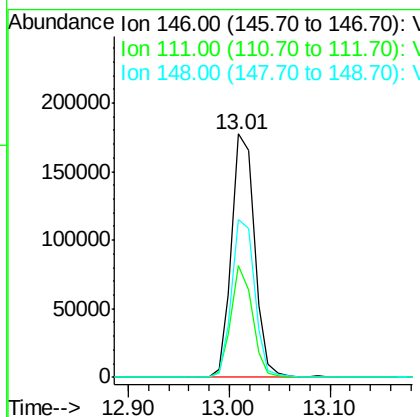
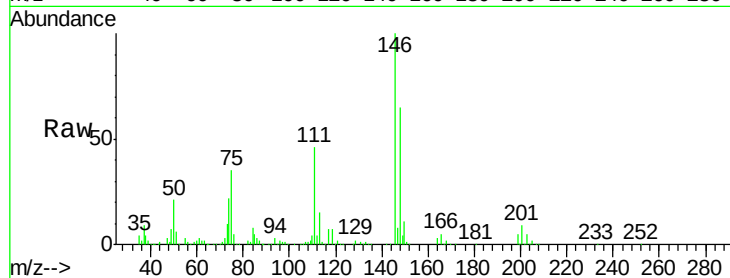
#91
 1,2-Dichlorobenzene
 Concen: 48.496 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.01 min
 Lab File: VF059641.D
 Acq: 24 Jul 2018 19:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VICVVF072418

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.7	20.3	61.0
148	64.7	32.9	98.6

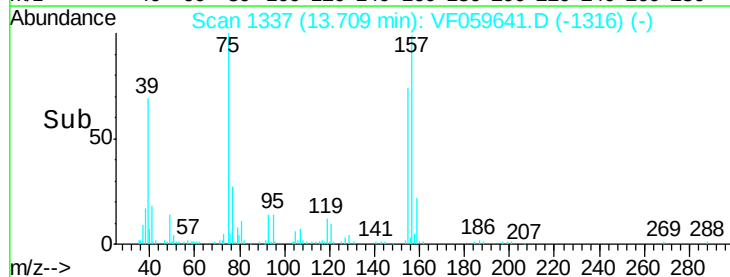
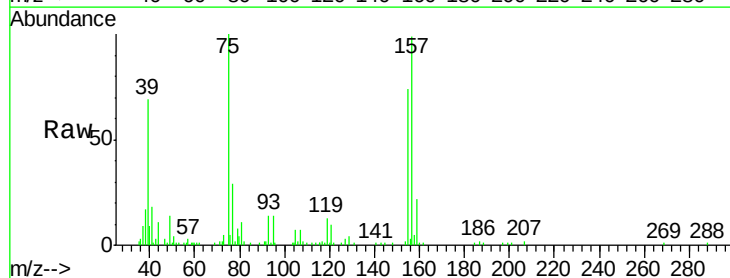
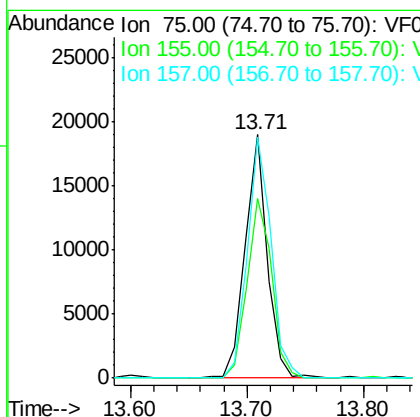
Manual Integrations
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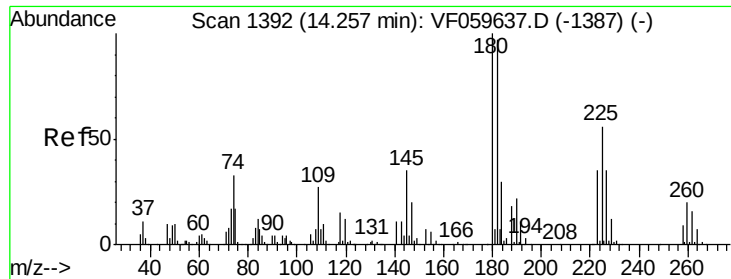
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.182 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059641.D
 Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	37.5	112.7
157	99.0	50.6	151.9





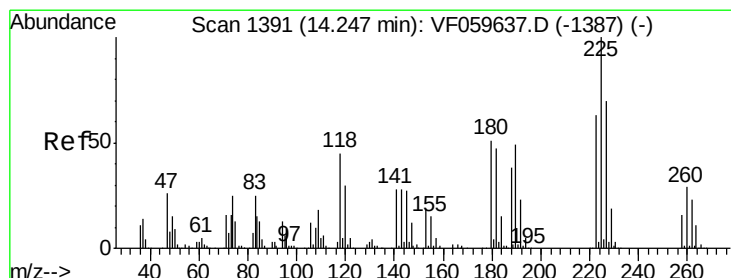
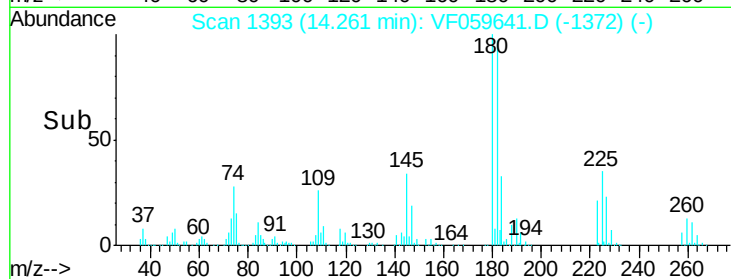
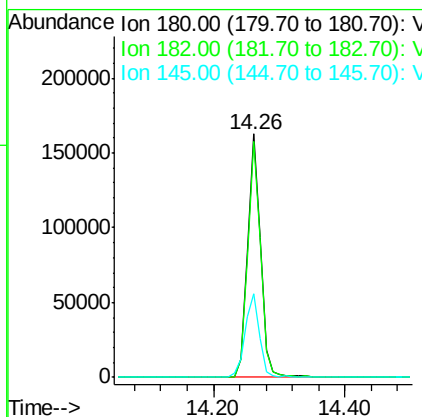
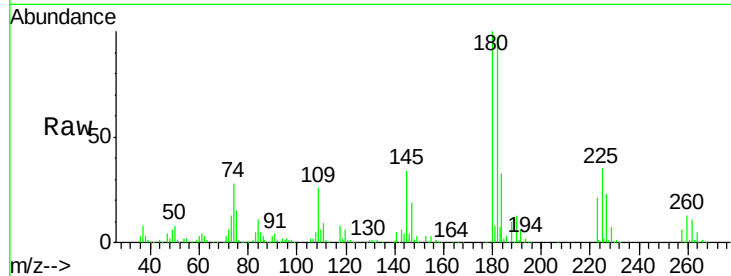
#93
 1,2,4-Trichlorobenzene
 Concen: 54.920 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059641.D
 Acq: 24 Jul 2018 19:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VICVVF072418

Tot Ion	Ratio	Resp	Lower	Upper
180	100	226284		
182	96.9	48.5	145.6	
145	34.3	17.4	52.2	

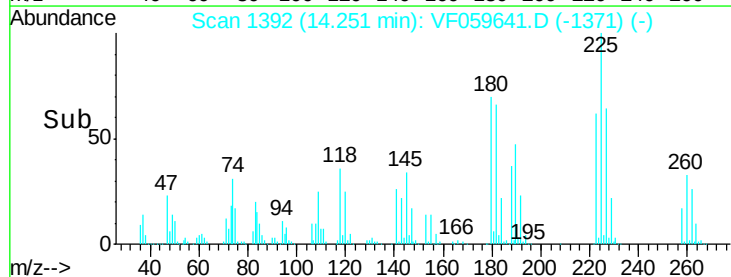
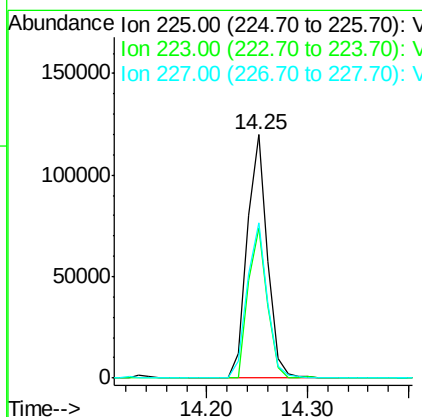
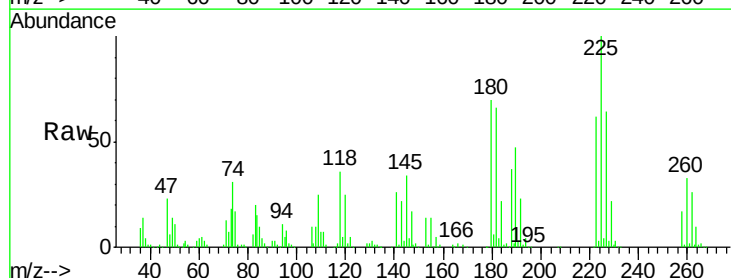
Manual Integrations
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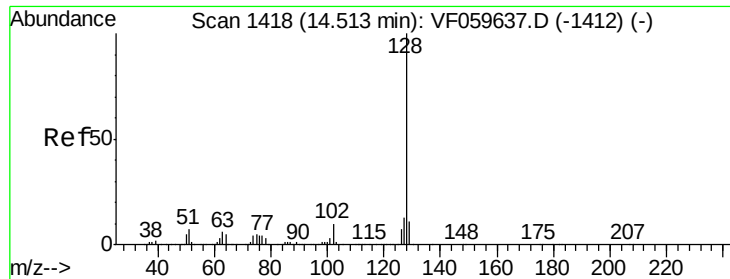
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#94
 Hexachlorobutadiene
 Concen: 49.762 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059641.D
 Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	167938		
223	61.6	33.3	99.8	
227	63.6	34.8	104.4	





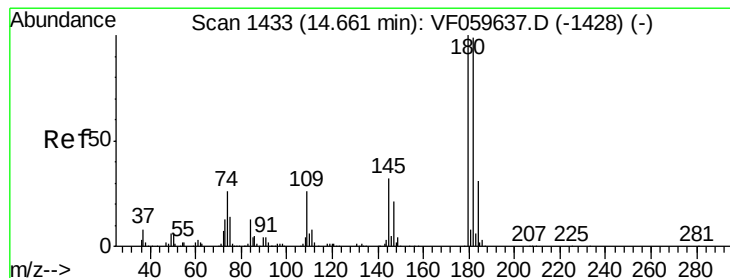
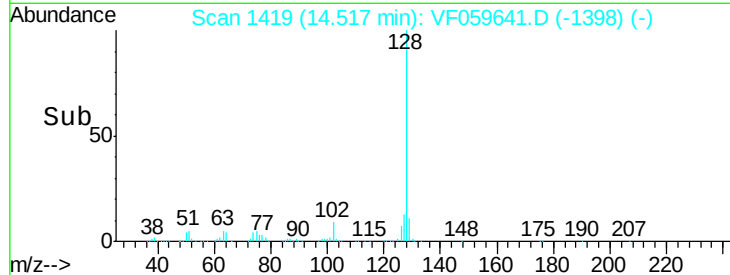
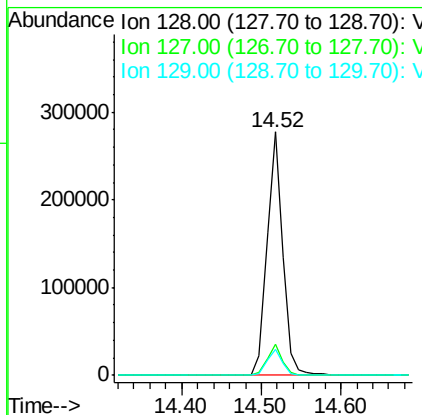
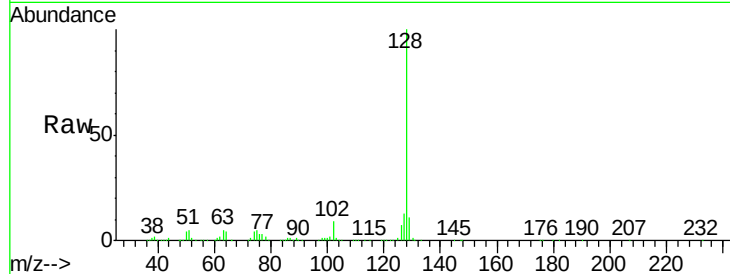
#95
Naphthalene
Concen: 52.176 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Instrument :
MSVOA_F
ClientSampleId :
VICVVF072418

Tot Ion	Ratio	Resp	Lower	Upper
128	100	377681		
127	12.8		10.1	15.1
129	10.9		9.1	13.7

Manual Integrations
APPROVED

apatel
7/25/2018 2:32:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.747 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059641.D
Acq: 24 Jul 2018 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	213573		
182	100.6		49.5	148.5
145	31.4		16.0	48.0

