

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062618\
 Data File : VF059310.D
 Acq On : 26 Jun 2018 11:43
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/27/2018 1:59:34 PM

Quant Time: Jun 27 02:31:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062518S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 26 08:45:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.01	168	297556	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.74	114	464369	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.89	117	474601	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.61	152	271561	50.00	ug/l	-0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.99	65	175886	45.75	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	91.50%	
35) Dibromofluoromethane	4.27	113	151005	44.50	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	89.00%	
50) Toluene-d8	7.69	98	392450	46.72	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.44%	
62) 4-Bromofluorobenzene	11.49	95	218688	46.15	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	92.30%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	0.98	85	123978	45.60	ug/l	98
3) Chloromethane	1.08	50	89202	48.84	ug/l	96
4) Vinyl Chloride	1.14	62	93680	52.11	ug/l	95
5) Bromomethane	1.33	94	63455	63.50	ug/l	93
6) Chloroethane	1.42	64	49613	54.79	ug/l	90
7) Trichlorofluoromethane	1.48	101	183906m	51.73	ug/l	
8) Diethyl Ether	1.69	74	45839	50.29	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	1.88	101	106069	51.11	ug/l	91
10) Methyl Iodide	1.95	142	198010	52.33	ug/l	98
11) Tert butyl alcohol	2.66	59	48399	189.11	ug/l	97
12) 1,1-Dichloroethene	1.84	96	92803	52.90	ug/l	83
13) Acrolein	2.08	56	31881	262.19	ug/l	88
14) Allyl chloride	2.18	41	172025	52.24	ug/l	91
15) Acrylonitrile	3.05	53	101857	226.00	ug/l	96
16) Acetone	2.31	43	250637	261.52	ug/l	96
17) Carbon Disulfide	1.83	76	216069	52.36	ug/l #	93
18) Methyl Acetate	2.43	43	83679	48.18	ug/l	96
19) Methyl tert-butyl Ether	2.52	73	307150	46.94	ug/l #	92
20) Methylene Chloride	2.26	84	109635	51.00	ug/l #	90
21) trans-1,2-Dichloroethene	2.40	96	92718	49.55	ug/l	93
22) Diisopropyl ether	2.91	45	368469	50.53	ug/l	96
23) Vinyl Acetate	3.31	43	1105614	238.07	ug/l	98
24) 1,1-Dichloroethane	2.98	63	218298	48.28	ug/l	97
25) 2-Butanone	4.47	43	283517	243.72	ug/l	94
26) 2,2-Dichloropropane	3.74	77	156460	50.17	ug/l	100
27) cis-1,2-Dichloroethene	3.61	96	134961	47.50	ug/l	90
28) Bromochloromethane	3.86	49	86915	50.06	ug/l	97
29) Tetrahydrofuran	4.23	42	119164	240.67	ug/l	98
30) Chloroform	4.01	83	307350	46.96	ug/l	97
31) Cyclohexane	3.84	56	142186	48.01	ug/l	90
32) 1,1,1-Trichloroethane	4.25	97	226569	47.30	ug/l	97
36) 1,1-Dichloropropene	4.43	75	190328	46.92	ug/l	97
37) Ethyl Acetate	4.26	43	121182	46.60	ug/l #	62
38) Carbon Tetrachloride	4.15	117	244582m	47.78	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	179953	50.06	ug/l	97
40) Benzene	4.79	78	415755	46.22	ug/l	99
41) Methacrylonitrile	4.90	41	61727	44.61	ug/l	93
42) 1,2-Dichloroethane	5.09	62	229048	43.58	ug/l	100
43) Isopropyl Acetate	7.08	43	153513	45.43	ug/l #	90
44) Trichloroethene	5.65	130	143141	46.39	ug/l	93
45) 1,2-Dichloropropane	6.37	63	124097	48.29	ug/l	99
46) Dibromomethane	6.23	93	102585	45.99	ug/l	97
47) Bromodichloromethane	6.52	83	253595	46.97	ug/l	99
48) Methyl methacrylate	6.85	41	106214	46.90	ug/l	96
49) 1,4-Dioxane	6.84	88	10560	868.33	ug/l #	82
51) 4-Methyl-2-Pentanone	8.38	43	568612	227.14	ug/l	100
52) Toluene	7.75	92	300814	44.70	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	236530	48.06	ug/l	97
54) cis-1,3-Dichloropropene	7.43	75	252453	47.23	ug/l	99
55) 1,1,2-Trichloroethane	8.61	97	121328	46.43	ug/l	94
56) Ethyl methacrylate	8.73	69	152149	47.00	ug/l	99
57) 1,3-Dichloropropane	8.98	76	204528	45.64	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.75	63	54241	223.42	ug/l	100
59) 2-Hexanone	9.61	43	460331	244.39	ug/l	98
60) Dibromochloromethane	8.84	129	190518	47.22	ug/l	94
61) 1,2-Dibromoethane	9.11	107	145561	45.93	ug/l	96
64) Tetrachloroethene	8.28	164	142723	46.37	ug/l	98
65) Chlorobenzene	9.91	112	411598	46.80	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.04	131	171579	45.11	ug/l	96
67) Ethyl Benzene	10.01	91	703741	47.17	ug/l	97
68) m/p-Xylenes	10.25	106	489848	92.25	ug/l	98
69) o-Xylene	10.81	106	270800	45.59	ug/l	94
70) Styrene	10.88	104	406477	44.93	ug/l	99
71) Bromoform	10.87	173	115294	44.22	ug/l	99
73) Isopropylbenzene	11.20	105	790117	49.94	ug/l	98
74) N-amyl acetate	11.44	43	283591	49.40	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.77	83	181849	45.51	ug/l	100
76) 1,2,3-Trichloropropane	11.87	75	137134	45.50	ug/l	92
77) Bromobenzene	11.58	156	212758	48.47	ug/l	86
78) n-propylbenzene	11.67	91	916654	48.25	ug/l	98
79) 2-Chlorotoluene	11.80	91	555860	47.89	ug/l	99
80) 1,3,5-Trimethylbenzene	11.89	105	673355	48.59	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	83088	46.32	ug/l	91
82) 4-Chlorotoluene	11.97	91	591863	47.60	ug/l	95
83) tert-Butylbenzene	12.20	119	696199	50.23	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	686916	47.06	ug/l	100
85) sec-Butylbenzene	12.37	105	882355	48.03	ug/l	96
86) p-Isopropyltoluene	12.53	119	763198	49.50	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	387249	53.79	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	379932	48.47	ug/l	96
89) n-Butylbenzene	12.90	91	753253	48.12	ug/l	98
90) Hexachloroethane	12.98	117	189809	49.39	ug/l	89
91) 1,2-Dichlorobenzene	13.01	146	377552	47.38	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	41336	46.67	ug/l	81

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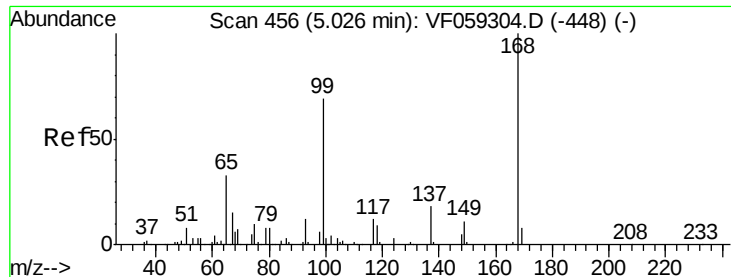
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	280724	47.65	ug/l	98
94) Hexachlorobutadiene	14.24	225	164842	50.09	ug/l	95
95) Naphthalene	14.51	128	602191	48.85	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	270062	48.38	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.01 min Scan# 455

Delta R.T. -0.01 min

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Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 297556

Ion Ratio Lower Upper

168 100

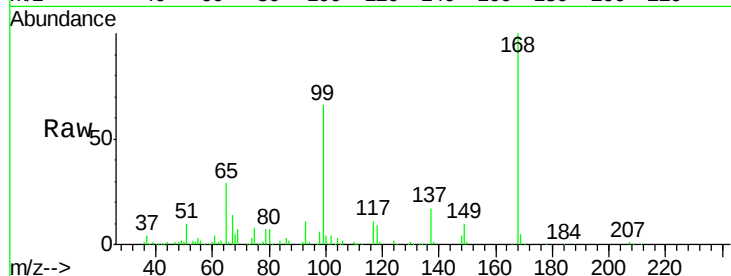
99 66.2 54.9 82.3

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

120000

100000

80000

60000

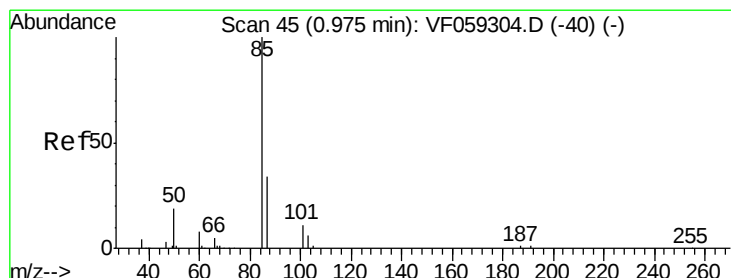
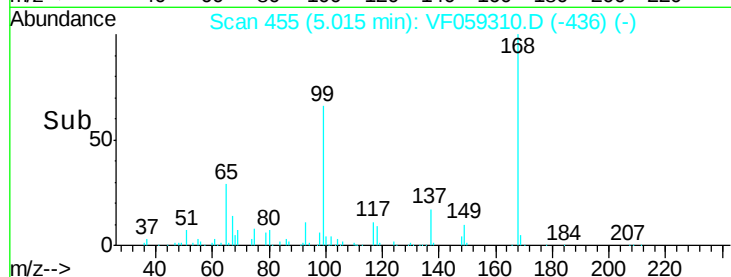
40000

20000

0

Time-->

4.90 5.01 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 45.60 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF059310.D

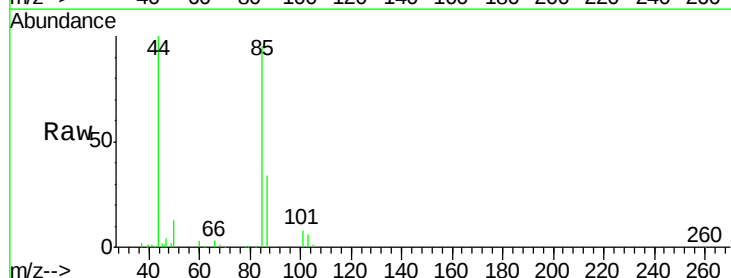
Acq: 26 Jun 2018 11:43

Tgt Ion: 85 Resp: 123978

Ion Ratio Lower Upper

85 100

87 35.4 17.1 51.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

40000

30000

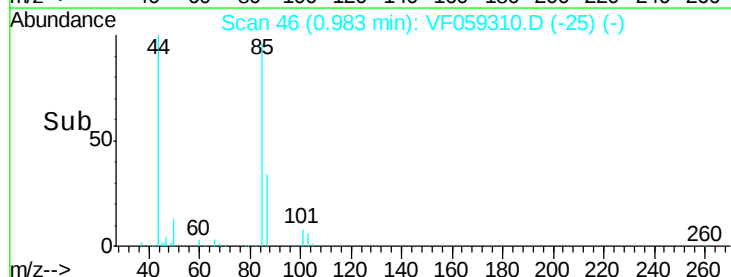
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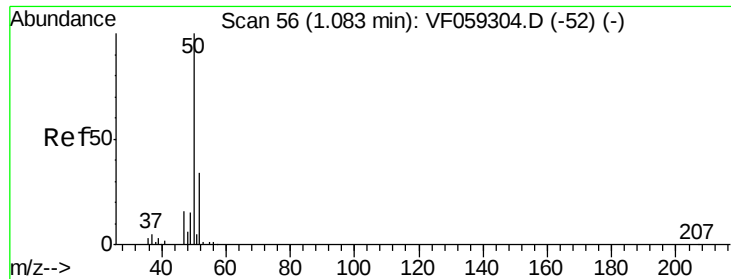
10000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 48.84 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 89202

Ion Ratio Lower Upper

50 100

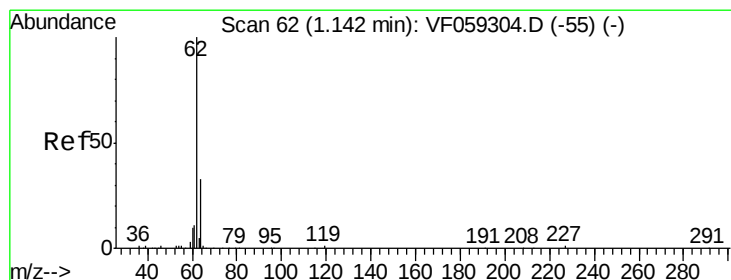
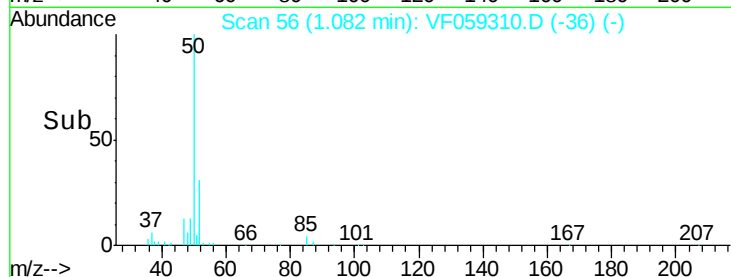
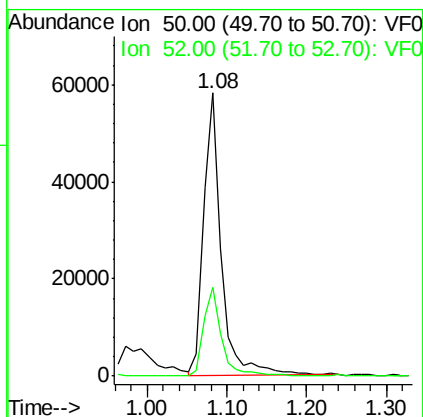
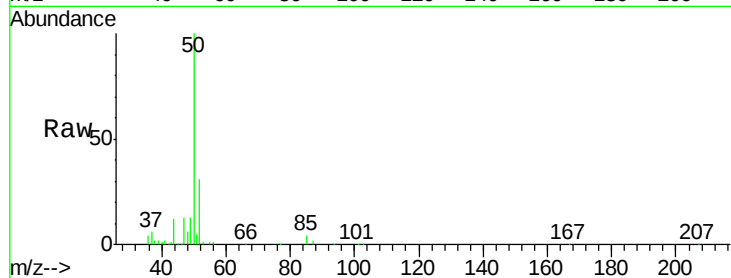
52 31.3 26.7 40.1

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#4

Vinyl Chloride

Concen: 52.11 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059310.D

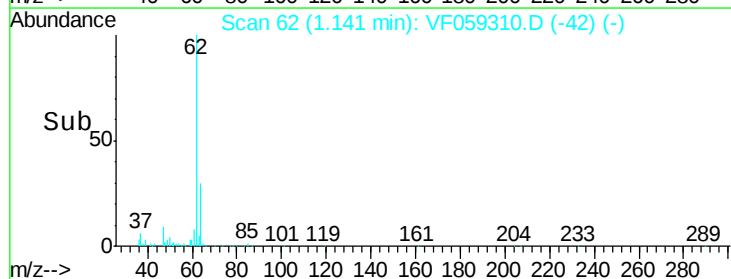
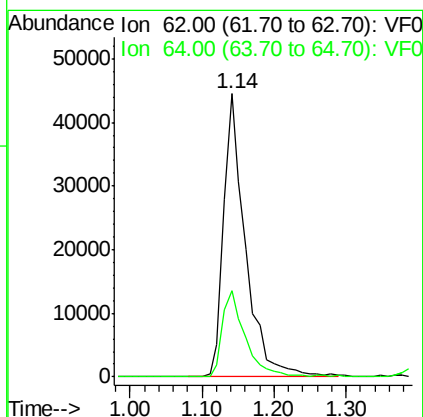
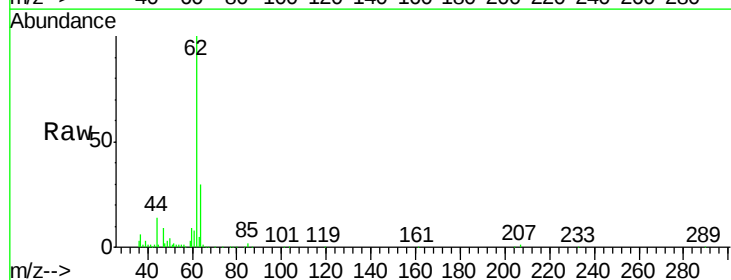
Acq: 26 Jun 2018 11:43

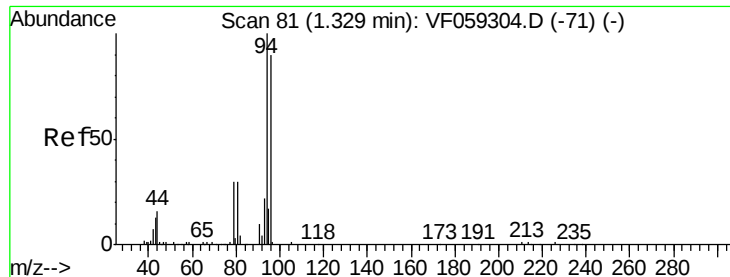
Tgt Ion: 62 Resp: 93680

Ion Ratio Lower Upper

62 100

64 30.3 26.3 39.5





#5

Bromomethane

Concen: 63.50 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 63455

Ion Ratio Lower Upper

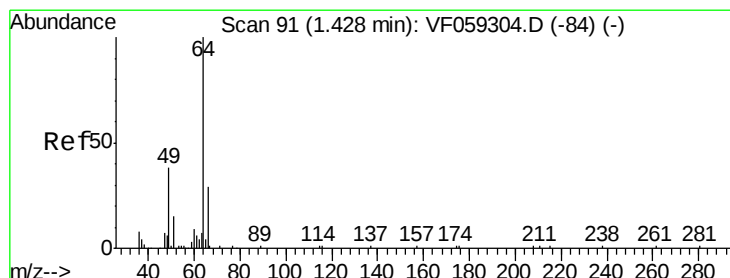
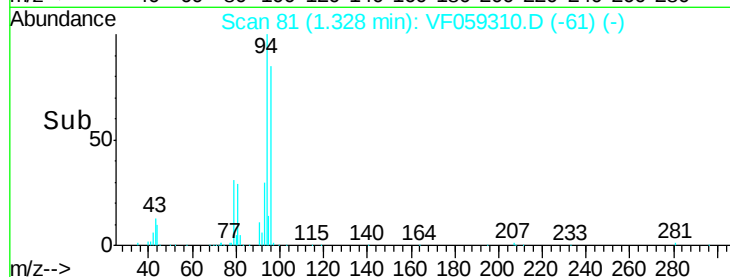
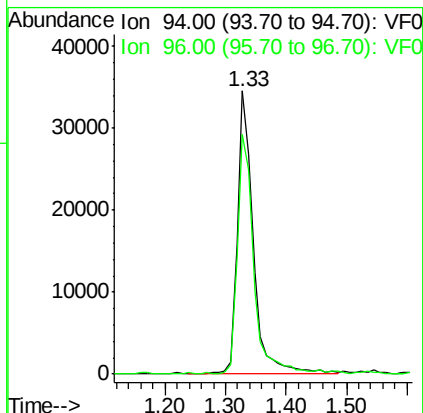
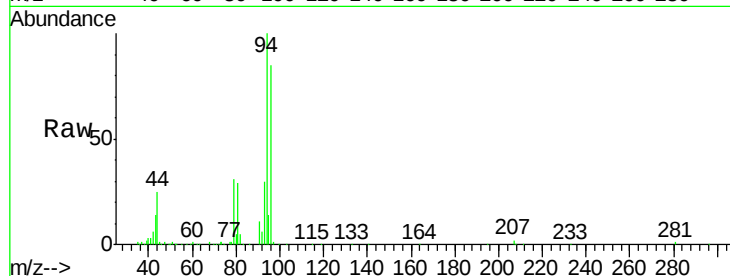
94 100

96 84.7 73.4 110.0

Manual Integrations
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#6

Chloroethane

Concen: 54.79 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059310.D

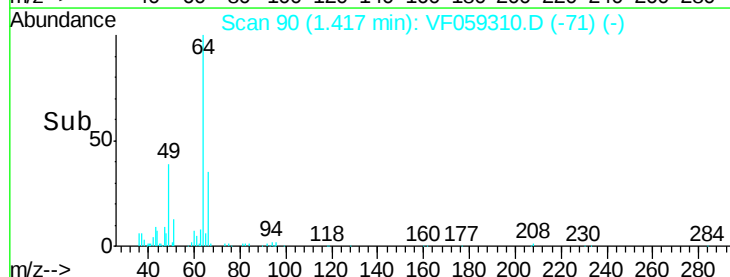
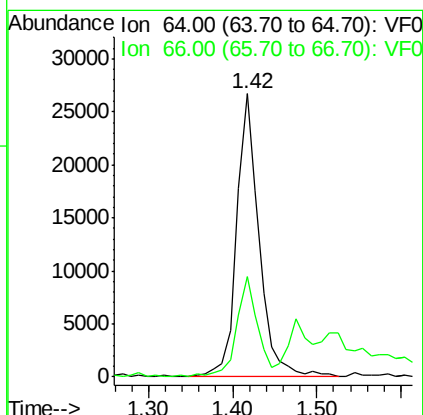
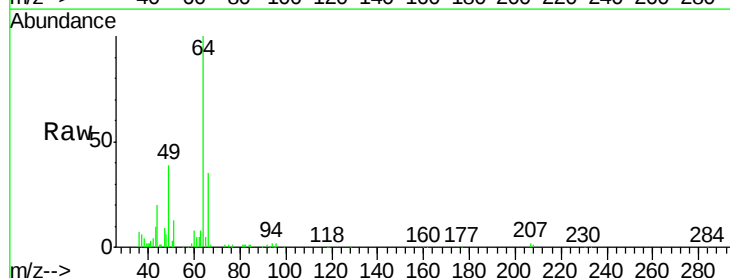
Acq: 26 Jun 2018 11:43

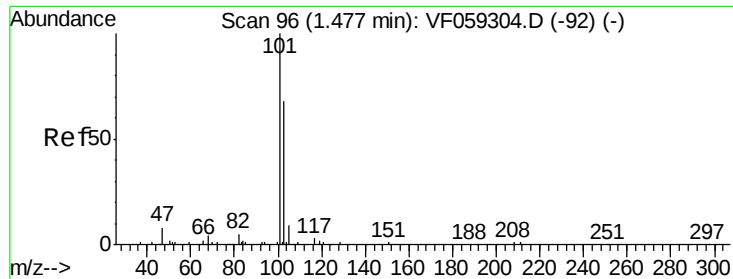
Tgt Ion: 64 Resp: 49613

Ion Ratio Lower Upper

64 100

66 35.4 23.9 35.9





#7

Trichlorofluoromethane

Concen: 51.73 ug/l m

RT: 1.48 min Scan# 96

Delta R.T. -0.00 min

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Tot Ion:101 Resp: 183906

Ion Ratio Lower Upper

101 100

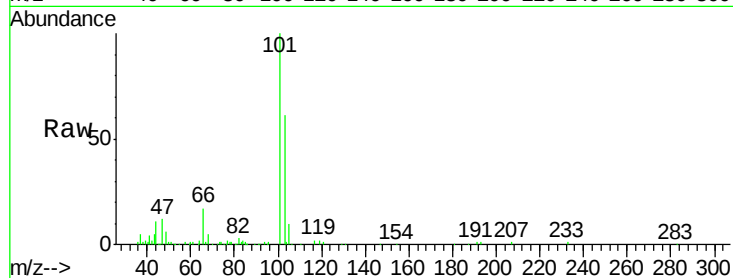
103 61.4 54.2 81.2

Manual Integrations

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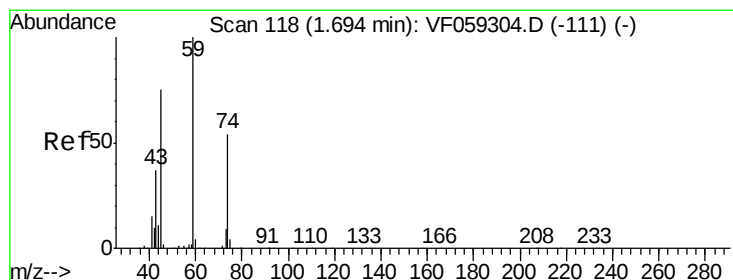
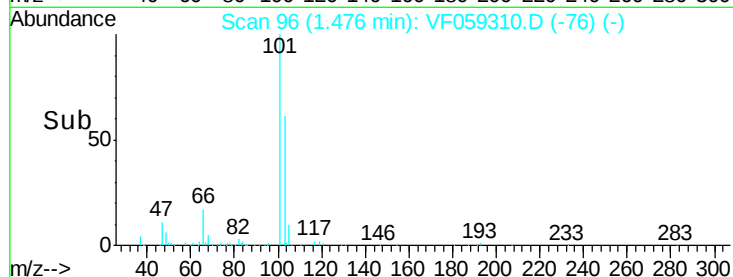
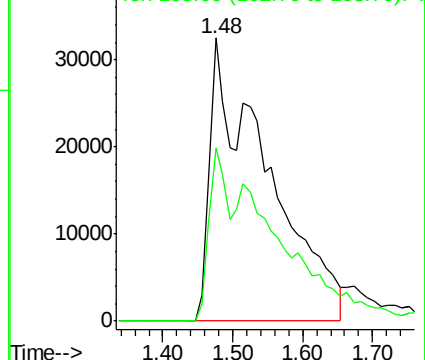
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 50.29 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.00 min

Lab File: VF059310.D

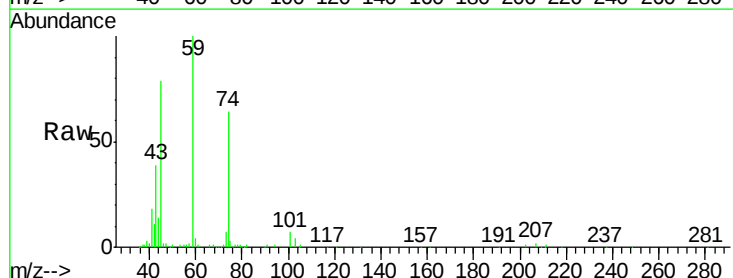
Acq: 26 Jun 2018 11:43

Tgt Ion: 74 Resp: 45839

Ion Ratio Lower Upper

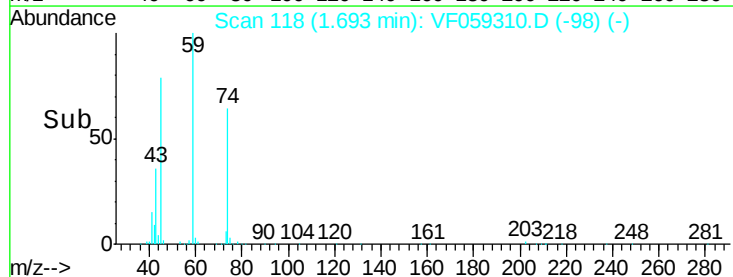
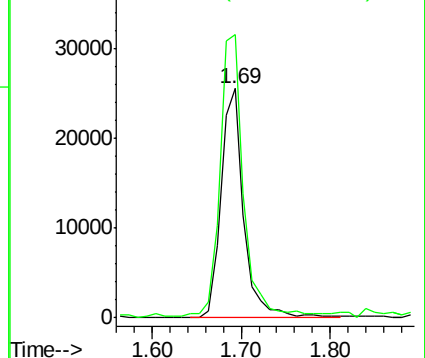
74 100

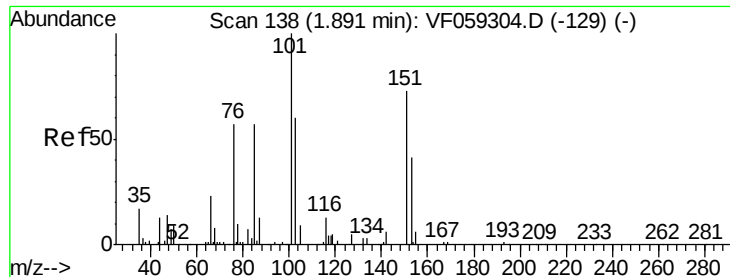
45 123.5 70.0 210.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.11 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

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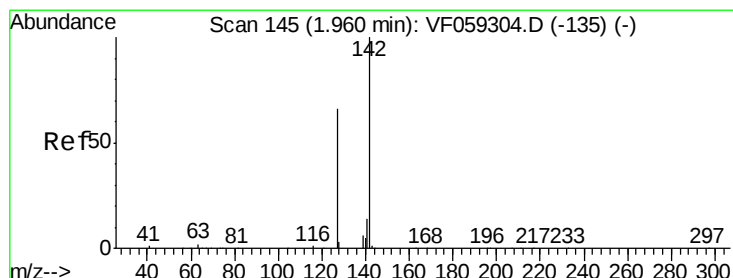
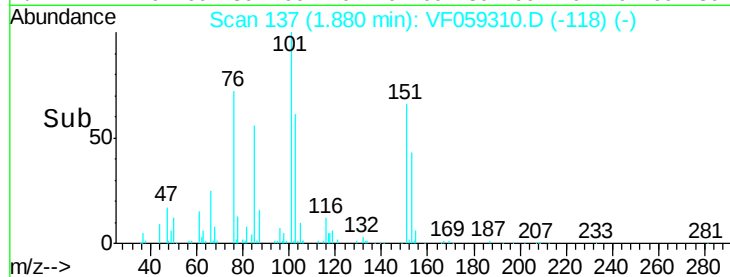
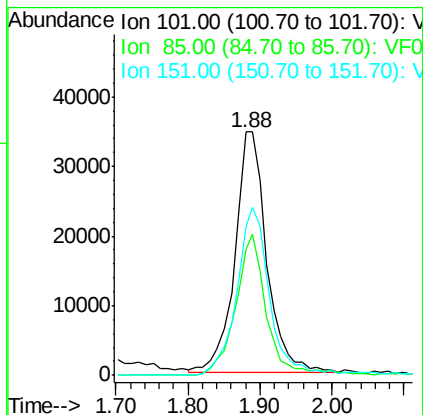
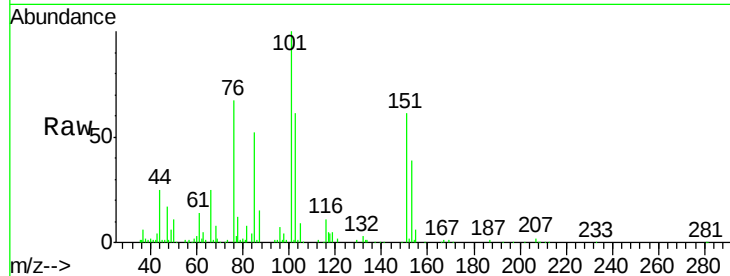
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	106069
Ion Ratio	Lower	Upper	
101	100		
85	51.7	44.5	66.7
151	61.3	56.8	85.2

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#10

Methyl Iodide

Concen: 52.33 ug/l

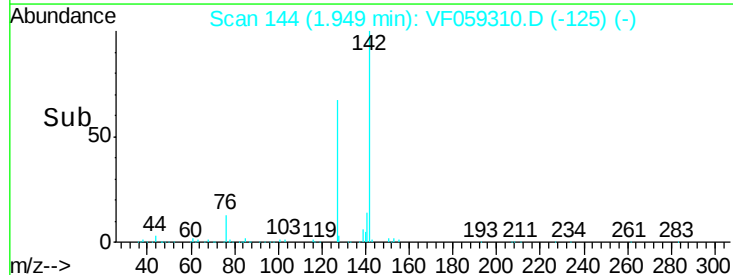
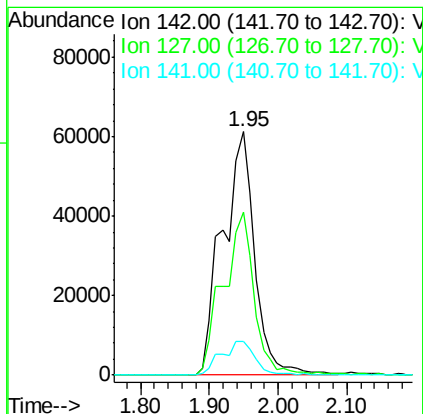
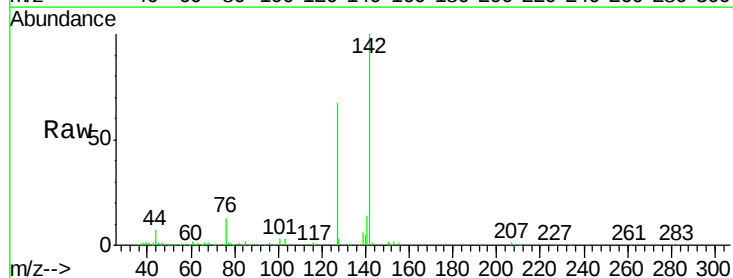
RT: 1.95 min Scan# 144

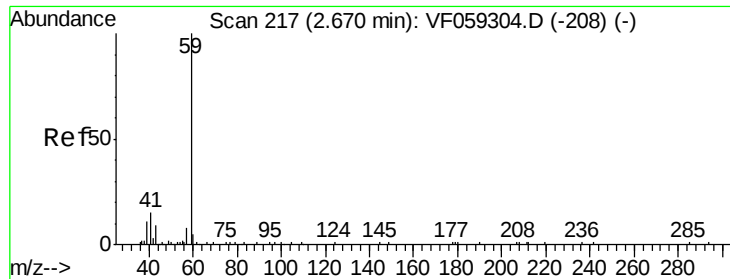
Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Tgt Ion:	142	Resp:	198010
Ion Ratio	Lower	Upper	
142	100		
127	67.2	52.5	78.7
141	13.6	11.5	17.3





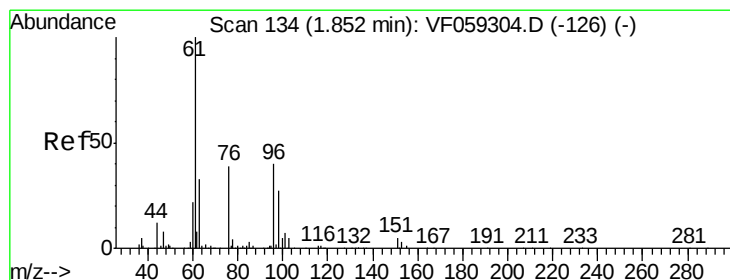
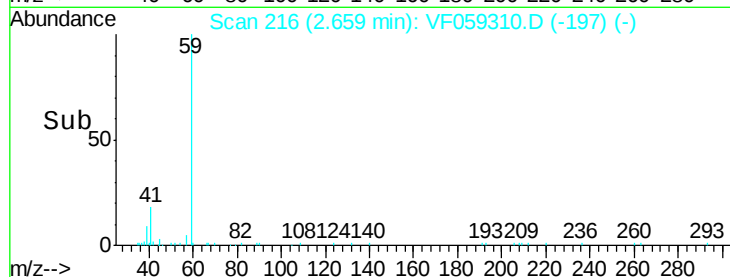
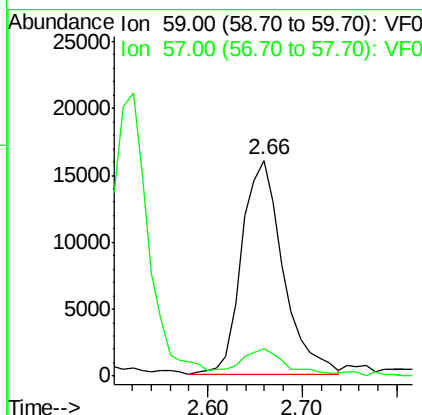
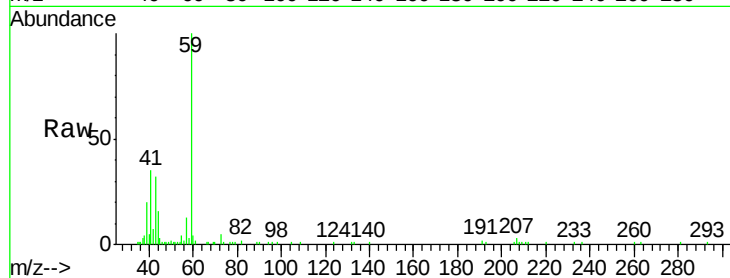
#11
Tert butyl alcohol
Concen: 189.11 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.6	11.0	16.4

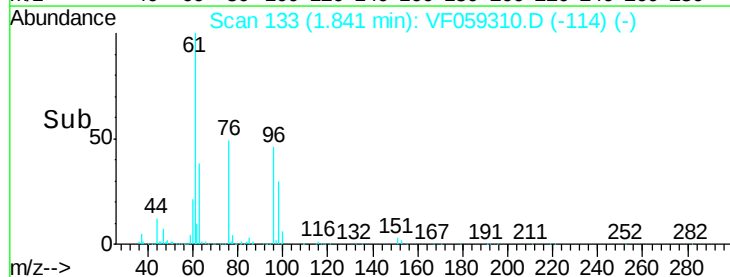
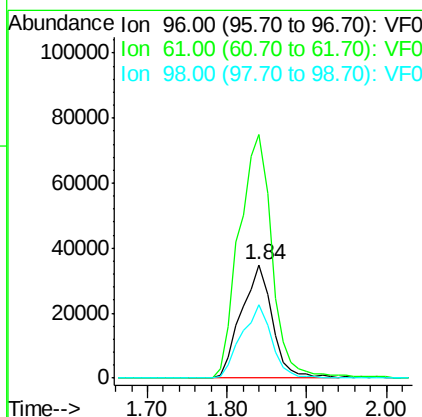
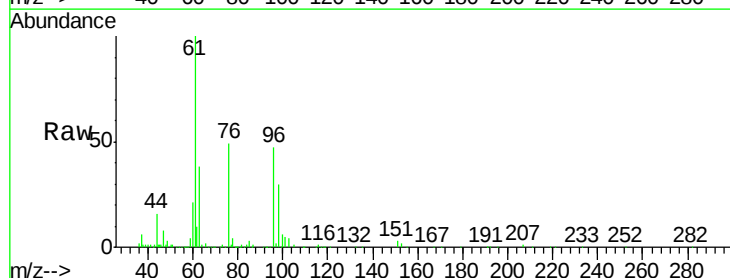
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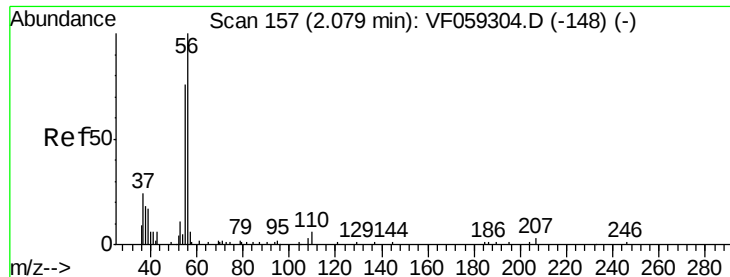
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#12
1,1-Dichloroethene
Concen: 52.90 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	214.7	201.1	301.7
98	64.3	53.9	80.9





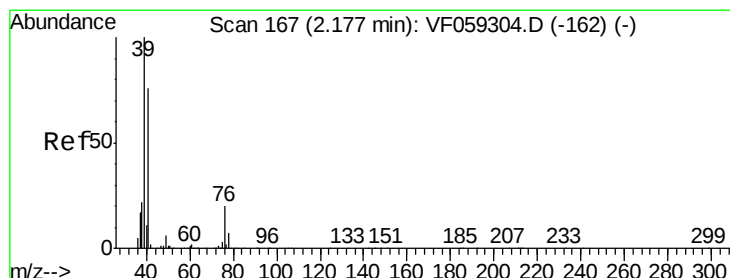
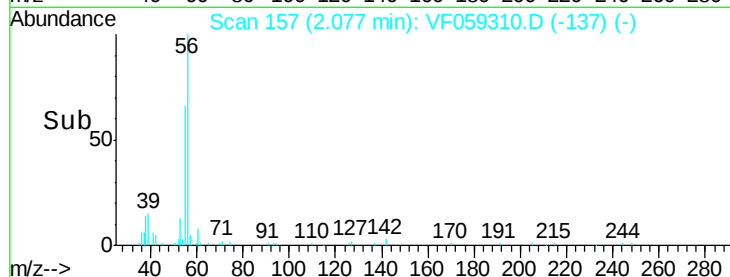
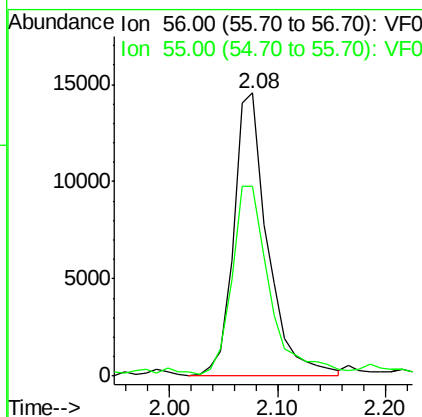
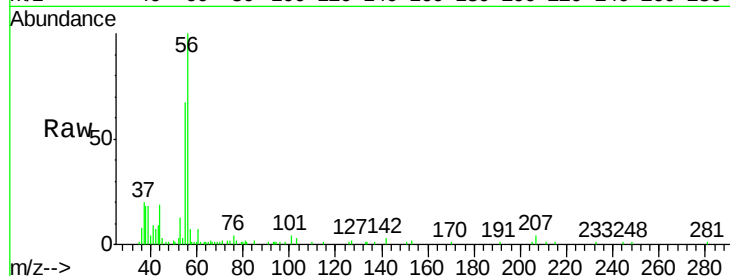
#13
Acrolein
Concen: 262.19 ug/l
RT: 2.08 min Scan# 157
Delta R.T. -0.00 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	67.3	62.4	93.6

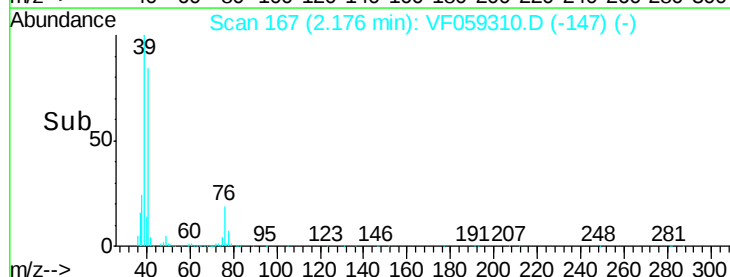
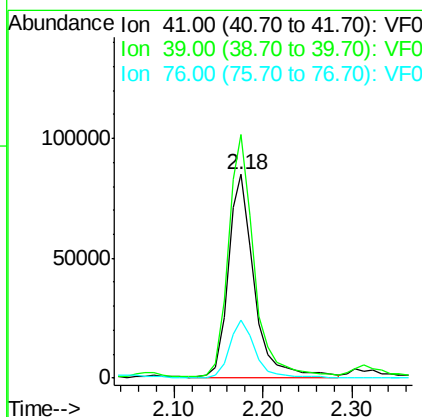
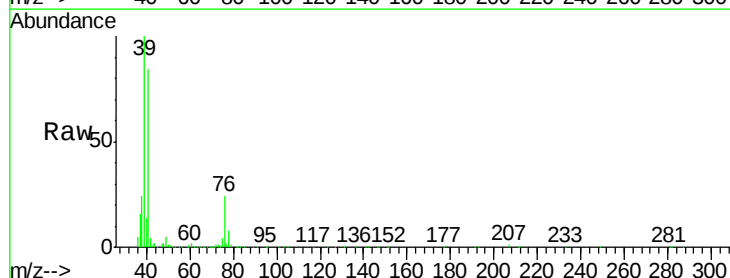
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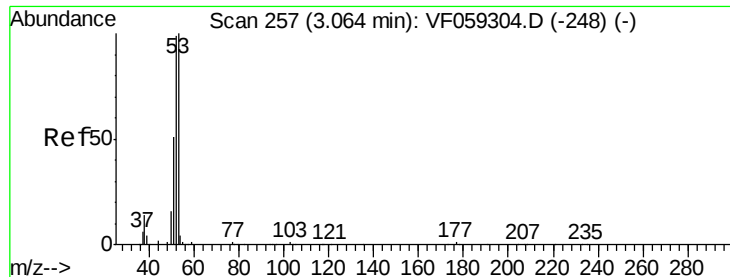
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#14
Allyl chloride
Concen: 52.24 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.00 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	119.6	105.6	158.4
76	76	28.2	21.6	32.4





#15

Acrylonitrile

Concen: 226.00 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

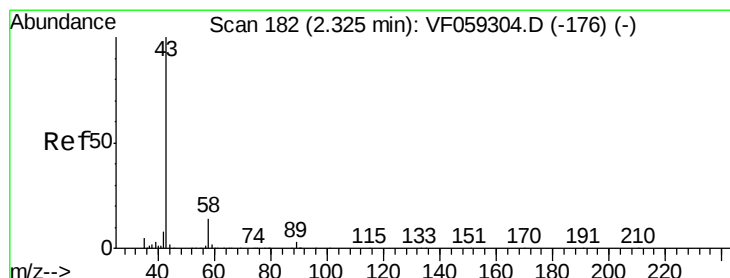
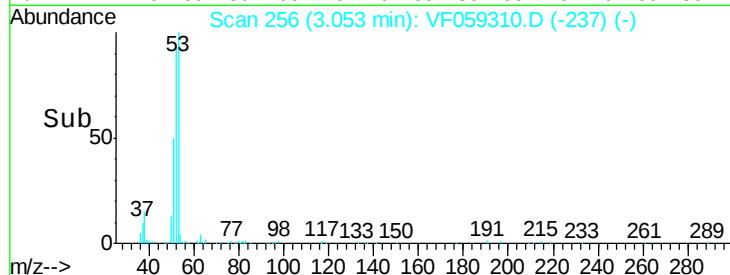
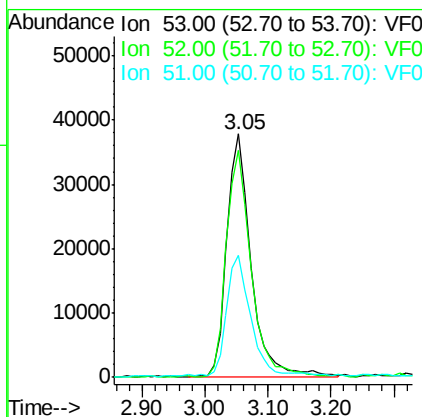
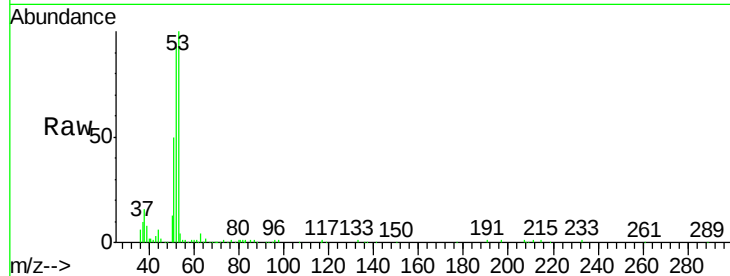
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	101857
Ion Ratio	Lower	Upper	
53	100		
52	93.2	79.2	118.8
51	50.1	40.9	61.3

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#16

Acetone

Concen: 261.52 ug/l

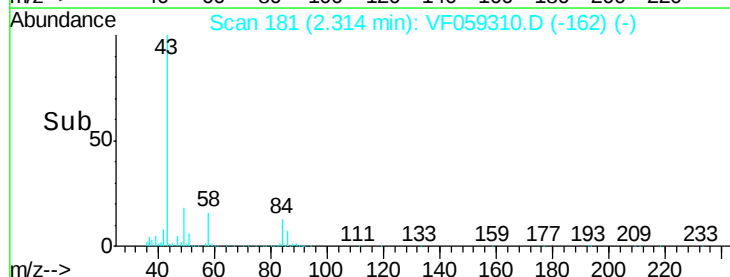
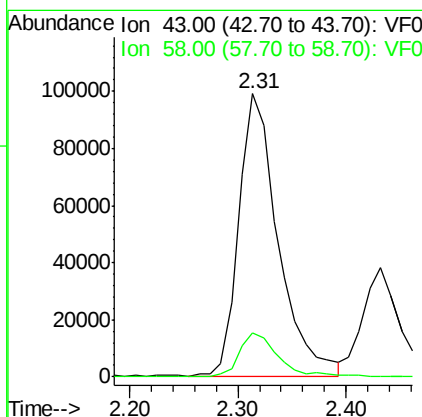
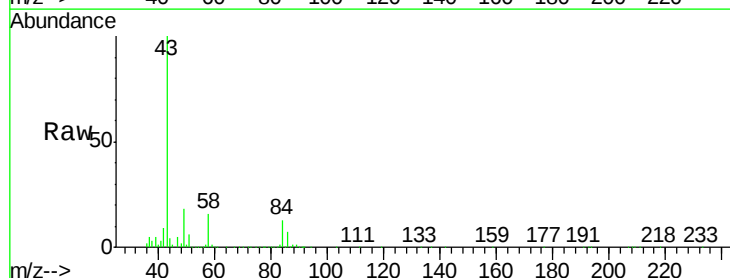
RT: 2.31 min Scan# 181

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Tgt Ion:	43	Resp:	250637
Ion Ratio	Lower	Upper	
43	100		
58	15.7	11.4	17.0





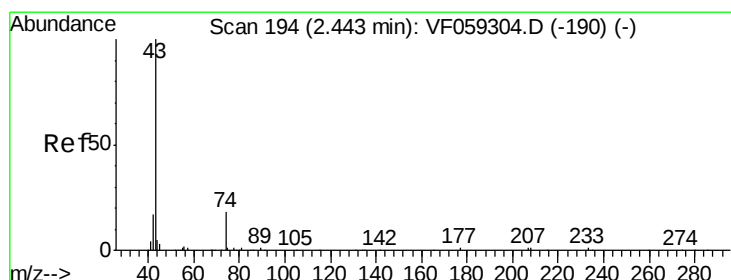
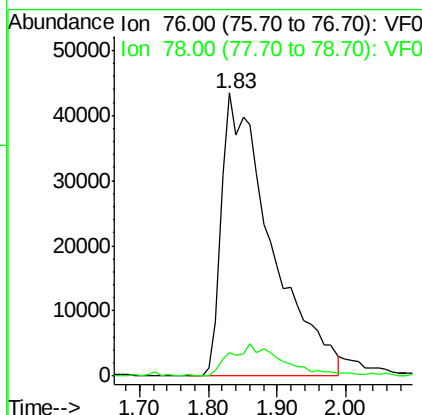
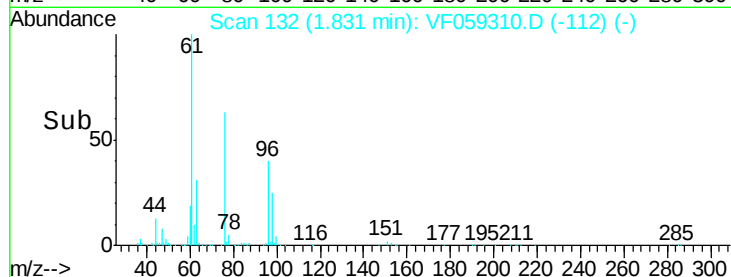
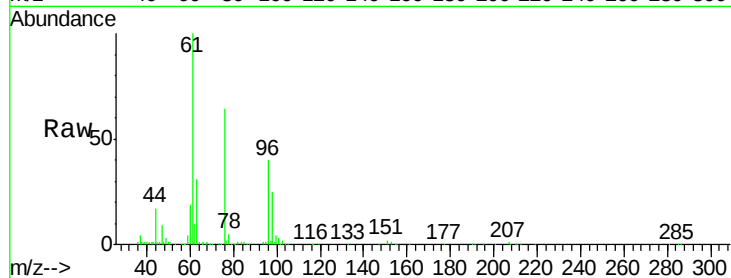
#17
Carbon Disulfide
Concen: 52.36 ug/l
RT: 1.83 min Scan# 132
Delta R.T. -0.00 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.4	8.9	13.3#

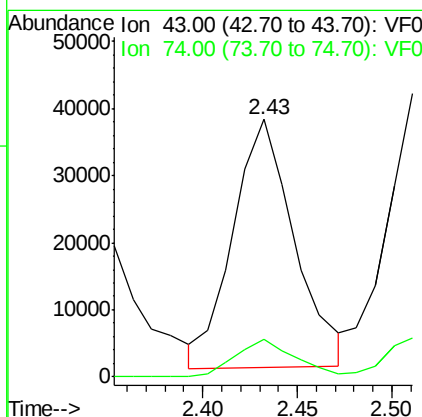
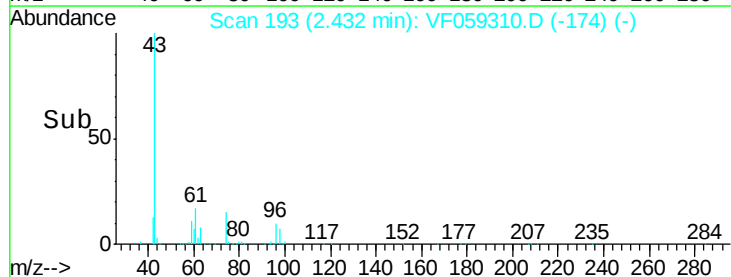
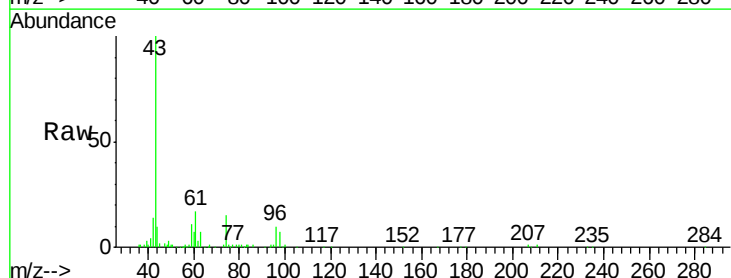
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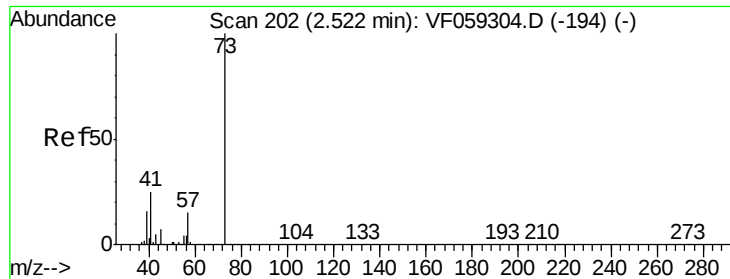
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#18
Methyl Acetate
Concen: 48.18 ug/l
RT: 2.43 min Scan# 193
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.7	13.3	19.9





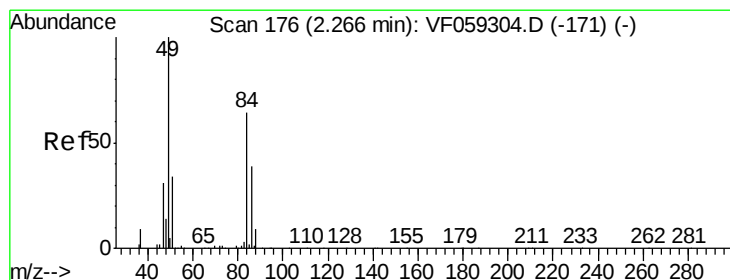
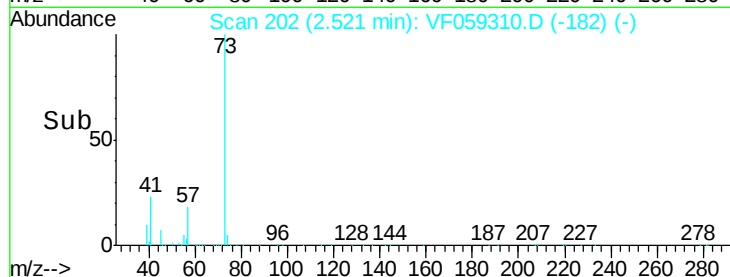
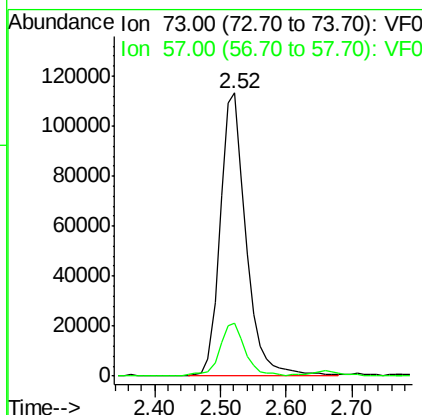
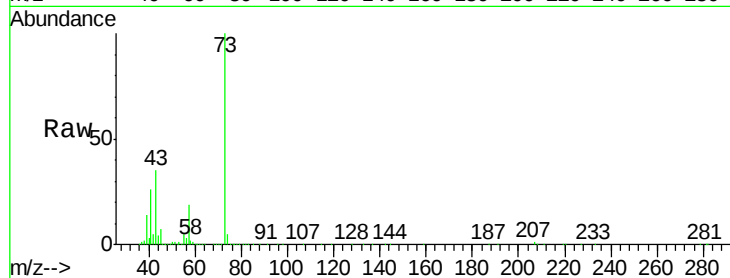
#19
Methvl tert-butvl Ether
Concen: 46.94 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.7	12.3	18.5#

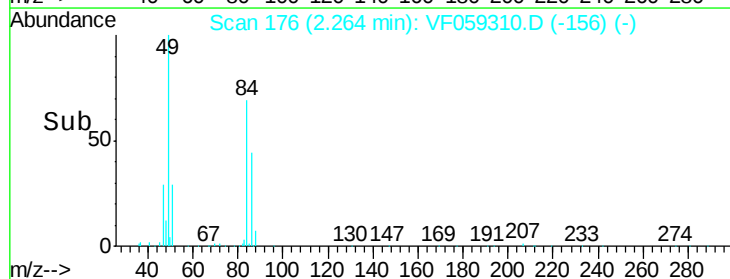
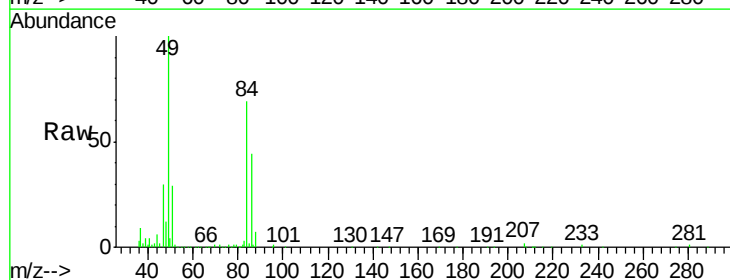
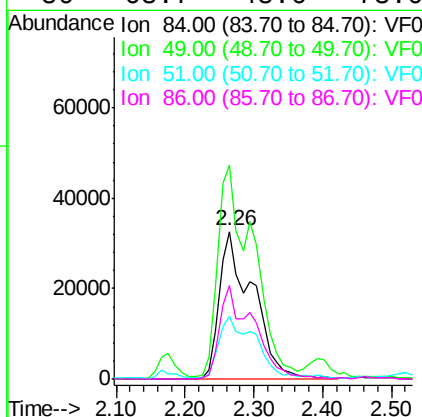
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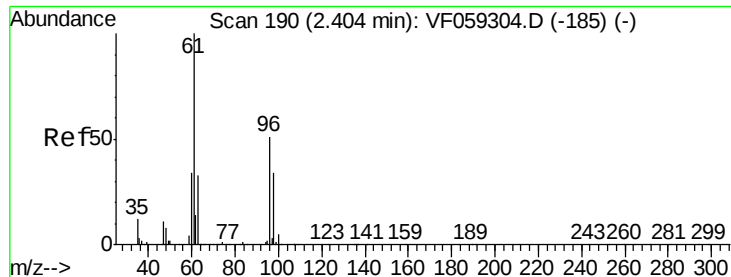
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#20
Methylene Chloride
Concen: 51.00 ug/l
RT: 2.26 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion	Ratio	Lower	Upper
84	100		
49	144.6	126.5	189.7
51	42.2	42.9	64.3#
86	63.7	48.6	73.0





#21

trans-1,2-Dichloroethene

Concen: 49.55 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

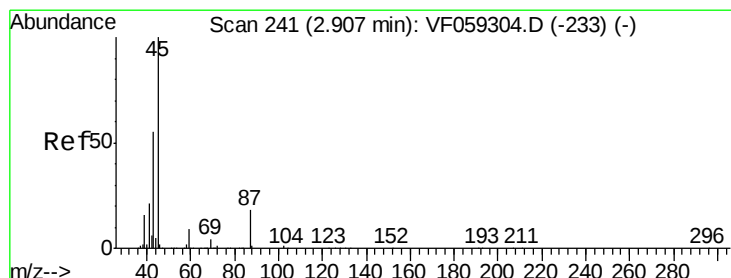
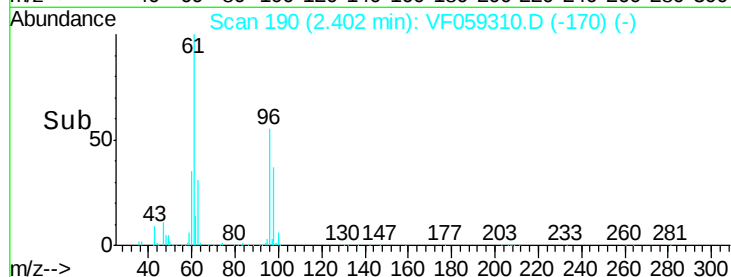
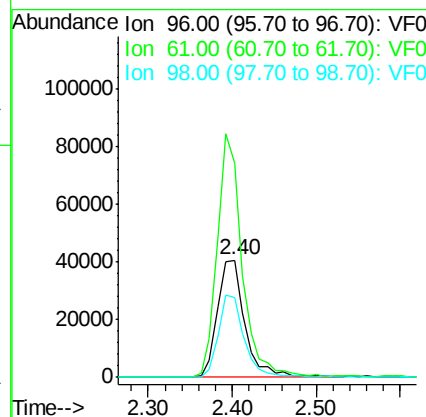
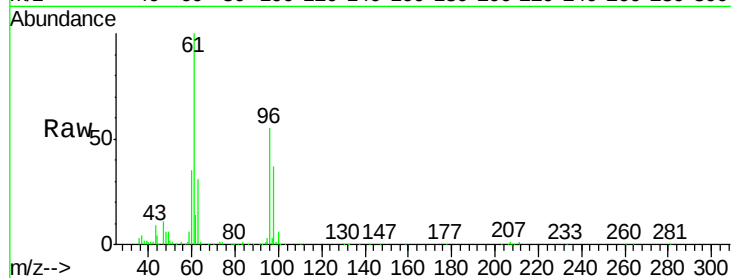
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	92718
Ion	Ratio	Lower	Upper
96	100		
61	182.6	157.4	236.2
98	68.1	53.7	80.5

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#22

Diisopropyl ether

Concen: 50.53 ug/l

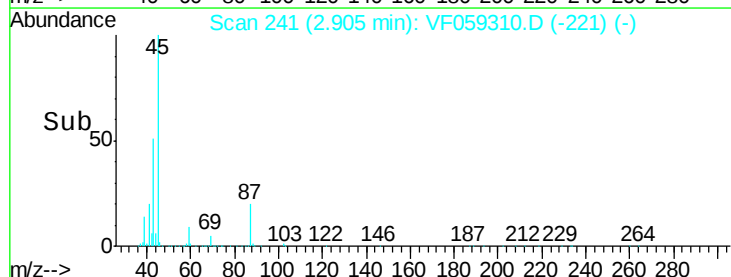
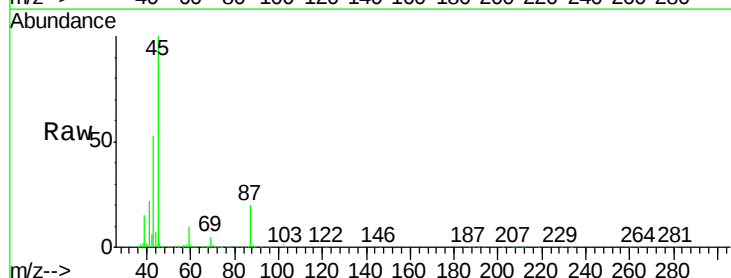
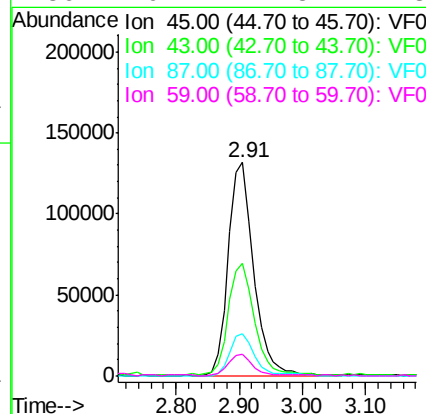
RT: 2.91 min Scan# 241

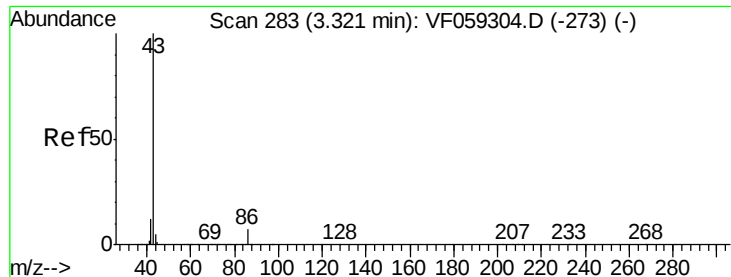
Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Tgt Ion:	45	Resp:	368469
Ion	Ratio	Lower	Upper
45	100		
43	52.5	44.6	66.8
87	20.0	14.3	21.5
59	10.1	7.5	11.3





#23

Vinyl Acetate

Concen: 238.07 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1105614

Ion Ratio Lower Upper

43 100

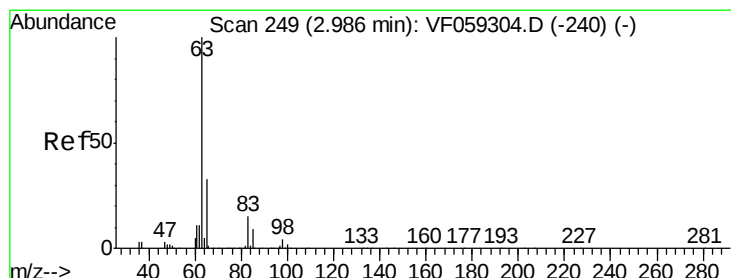
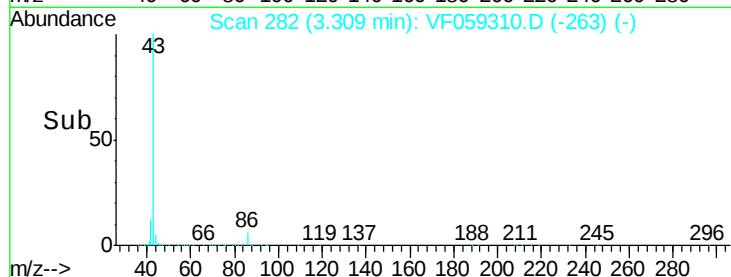
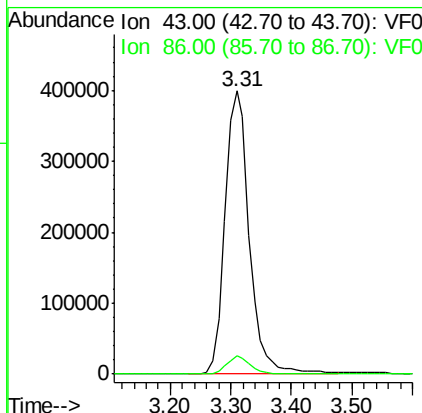
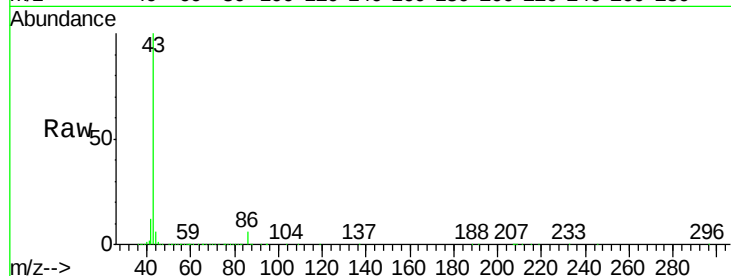
86 6.3 5.8 8.6

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 48.28 ug/l

RT: 2.98 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

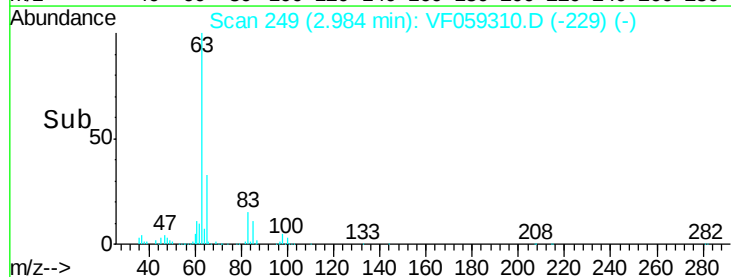
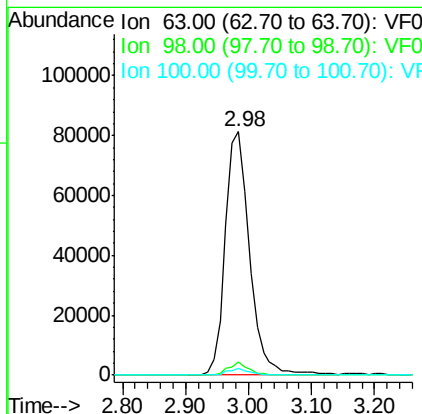
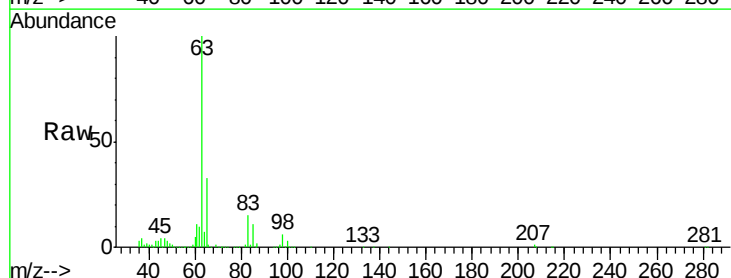
Tgt Ion: 63 Resp: 218298

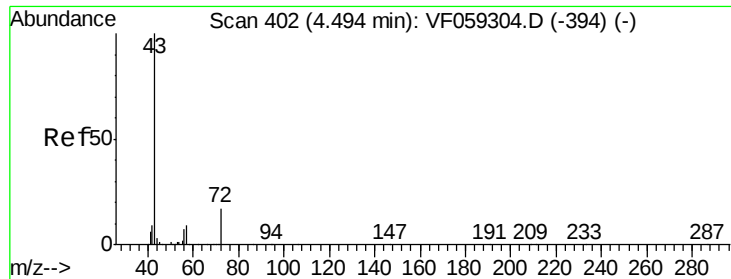
Ion Ratio Lower Upper

63 100

98 5.6 2.0 6.0

100 2.6 1.3 3.9





#25

2-Butanone

Concen: 243.72 ug/l

RT: 4.47 min Scan# 400

Delta R.T. -0.02 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 283517

Ion Ratio Lower Upper

43 100

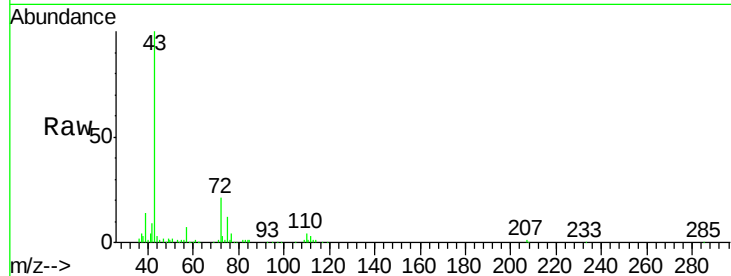
72 20.6 14.4 21.6

Manual Integrations

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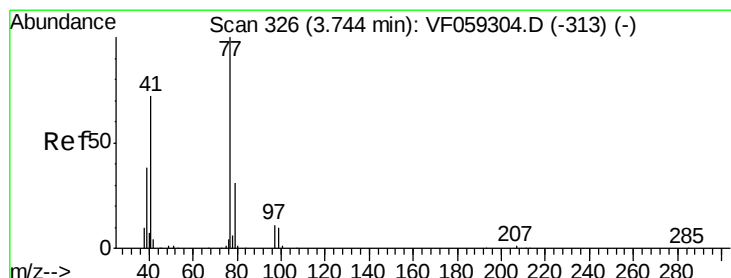
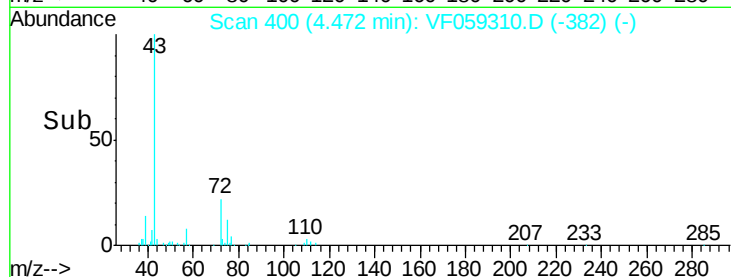
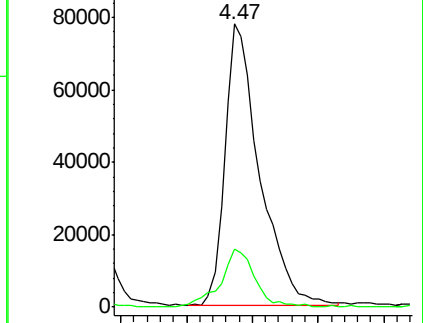
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 50.17 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059310.D

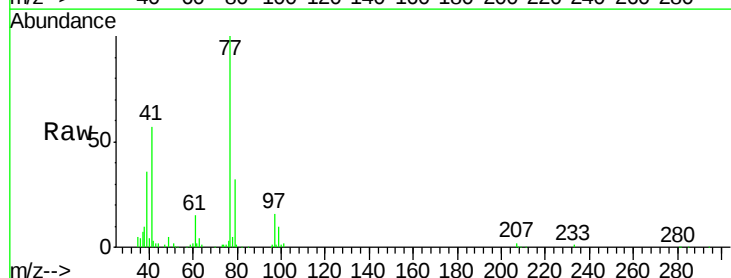
Acq: 26 Jun 2018 11:43

Tgt Ion: 77 Resp: 156460

Ion Ratio Lower Upper

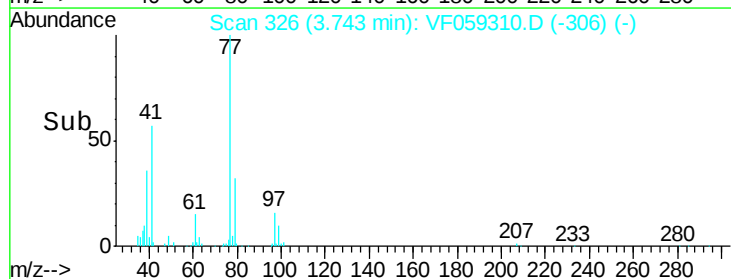
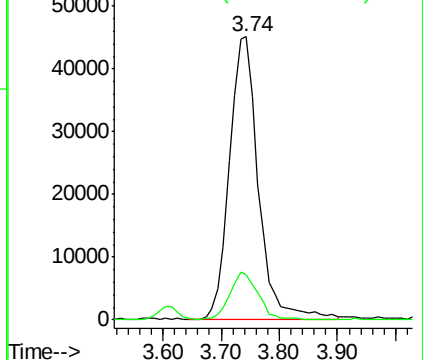
77 100

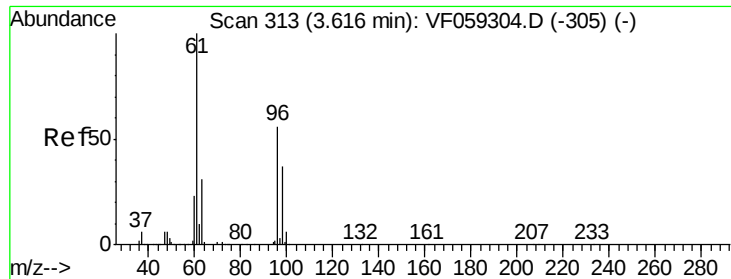
97 15.9 8.0 23.8



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

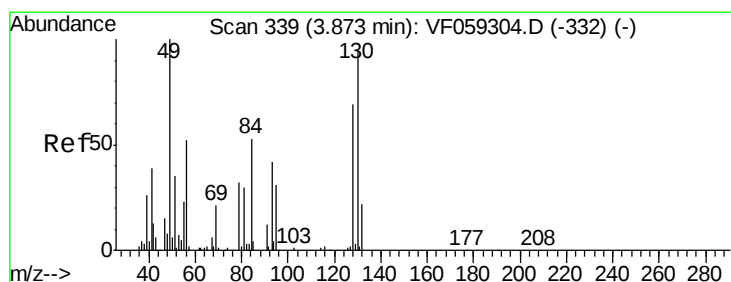
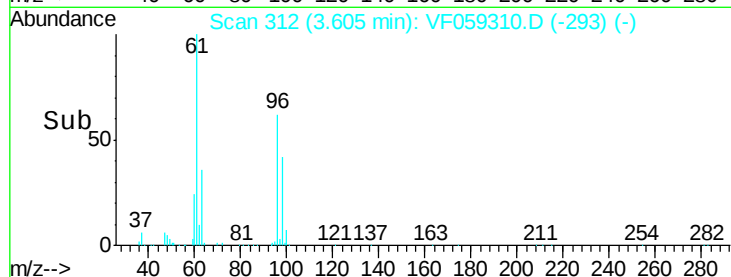
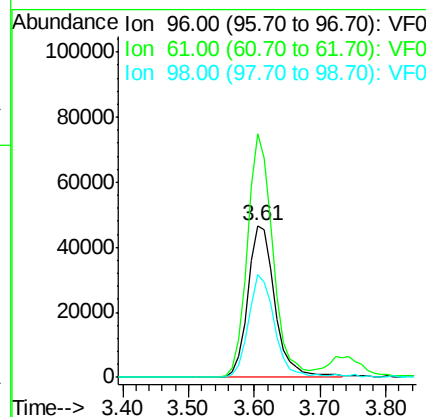
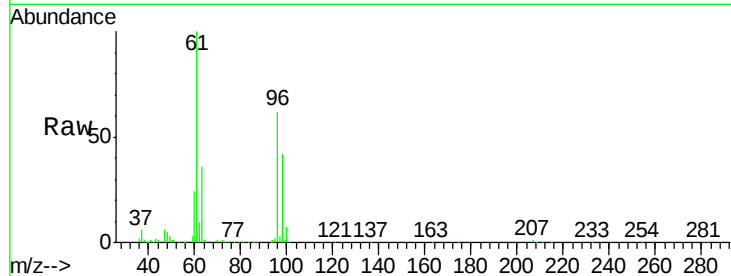
cis-1,2-Dichloroethene
Concen: 47.50 ug/l
RT: 3.61 min Scan# 312
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	134961		
61	160.8	0.0	355.4	
98	68.2	0.0	131.0	

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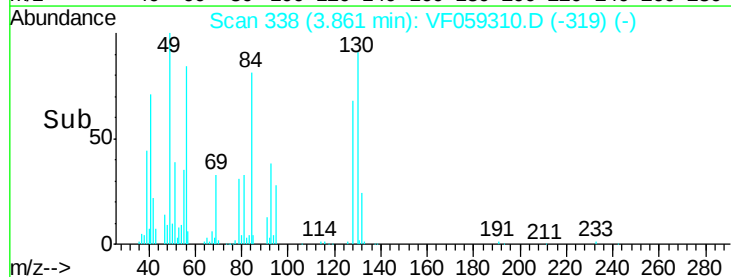
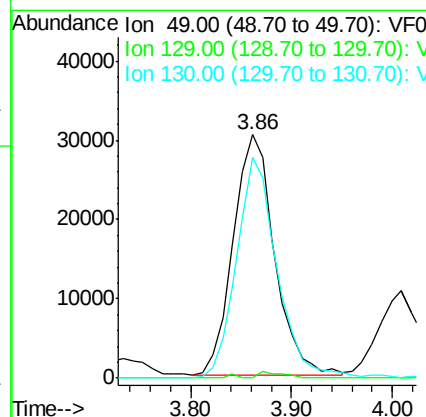
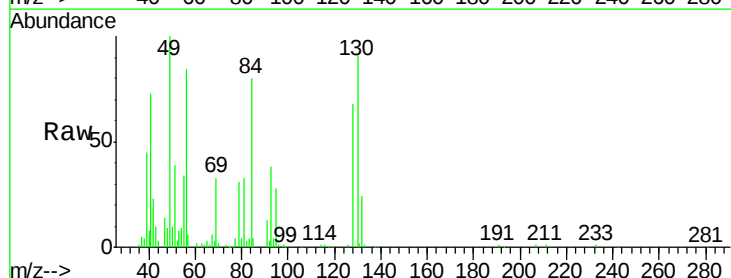
apatel
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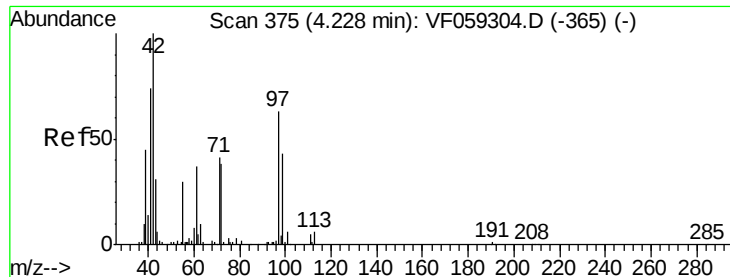


#28

Bromochloromethane
Concen: 50.06 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	86915		
129	0.0	0.0	6.4	
130	90.8	75.1	112.7	





#29

Tetrahydrofuran

Concen: 240.67 ug/l

RT: 4.23 min Scan# 375

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

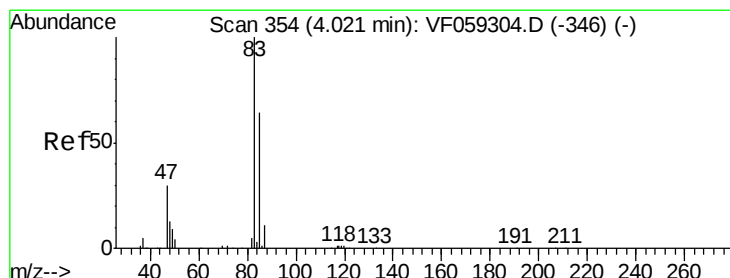
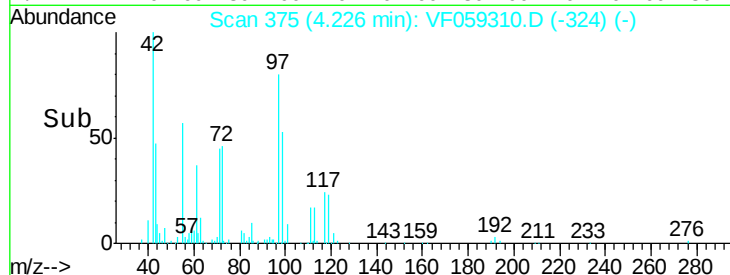
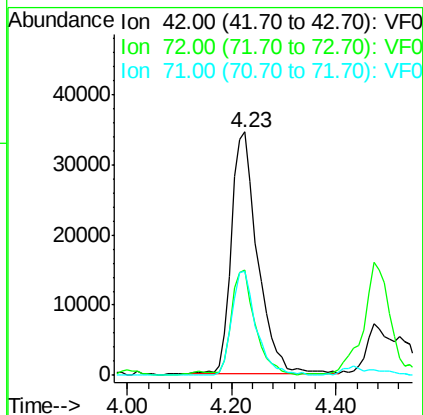
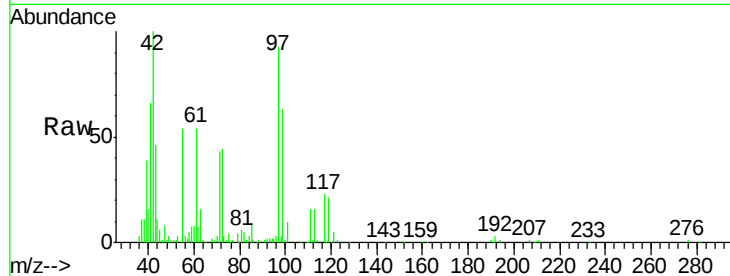
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	119164
Ion Ratio		Lower	Upper
42	100		
72	39.6	30.5	45.7
71	39.9	32.5	48.7

Manual Integrations
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#30

Chloroform

Concen: 46.96 ug/l

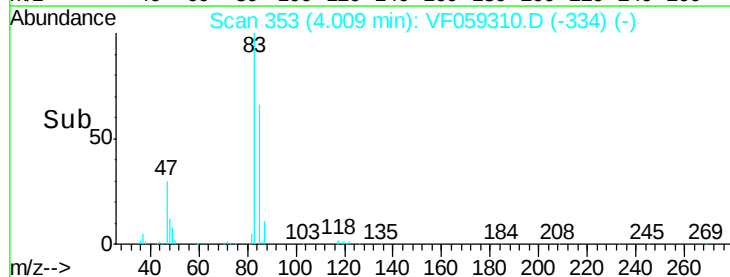
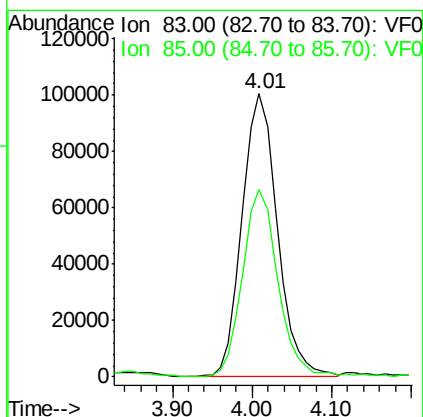
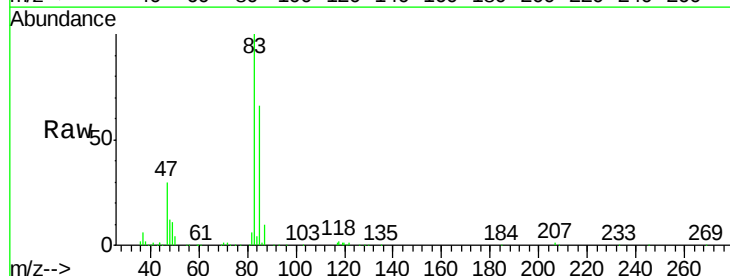
RT: 4.01 min Scan# 353

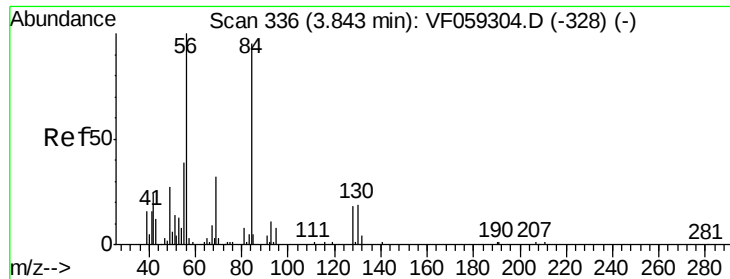
Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Tgt Ion:	83	Resp:	307350
Ion Ratio		Lower	Upper
83	100		
85	66.3	51.3	76.9





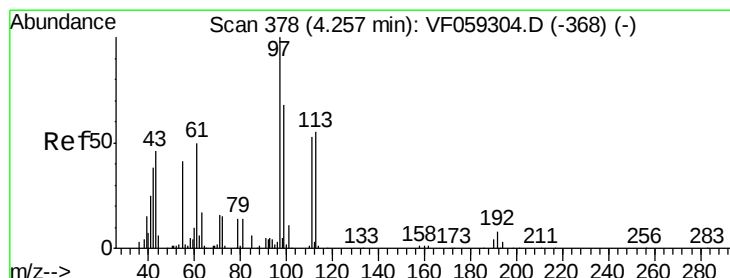
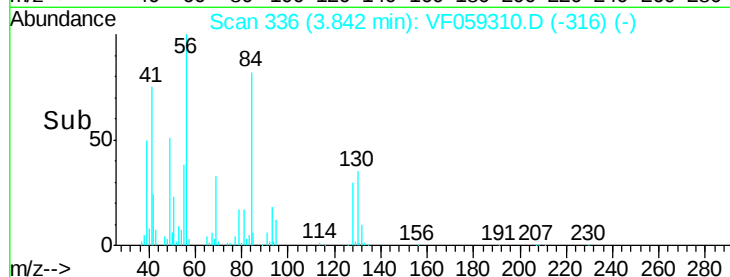
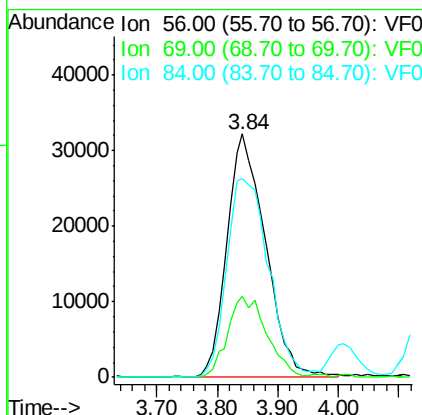
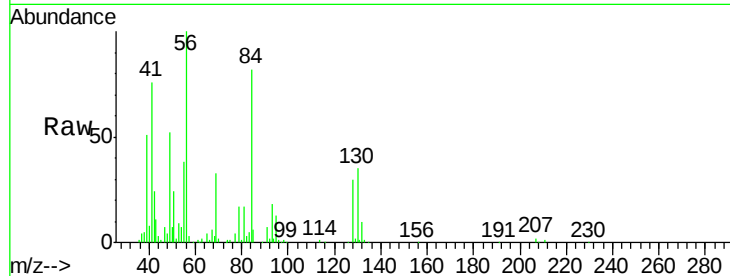
#31
Cyclohexane
Concen: 48.01 ug/l
RT: 3.84 min Scan# 336
Delta R.T. -0.00 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.1	25.8	38.8
84	81.9	75.6	113.4

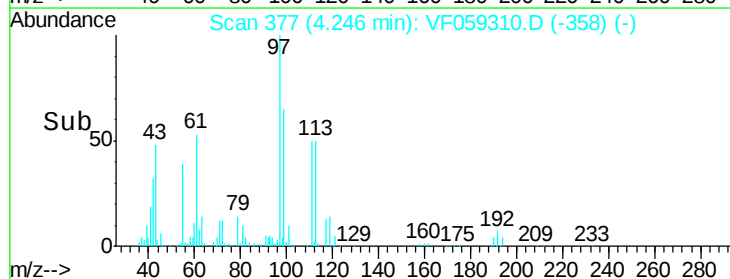
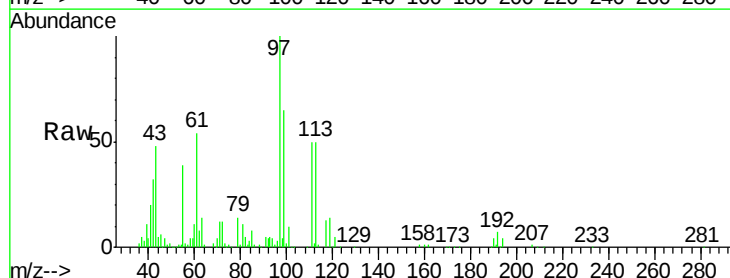
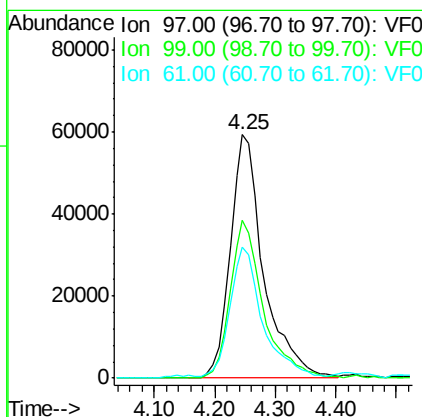
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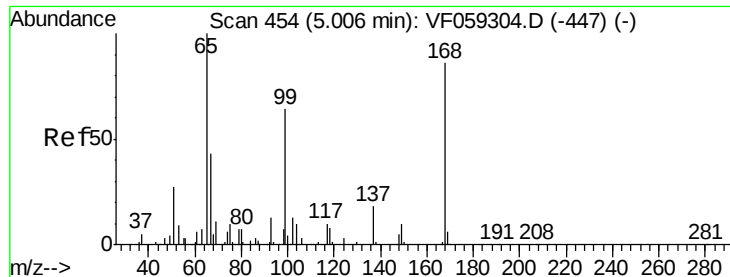
apatel
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#32
1,1,1-Trichloroethane
Concen: 47.30 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	54.1	81.1
61	53.6	41.2	61.8





#33

1,2-Dichloroethane-d4

Concen: 45.75 ug/l

RT: 4.99 min Scan# 453

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 175886

Ion Ratio Lower Upper

65 100

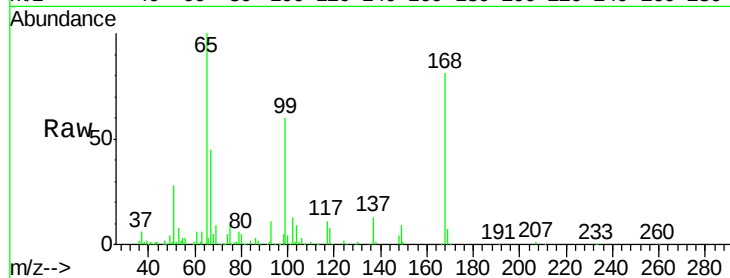
67 45.1 0.0 96.8

Manual Integrations

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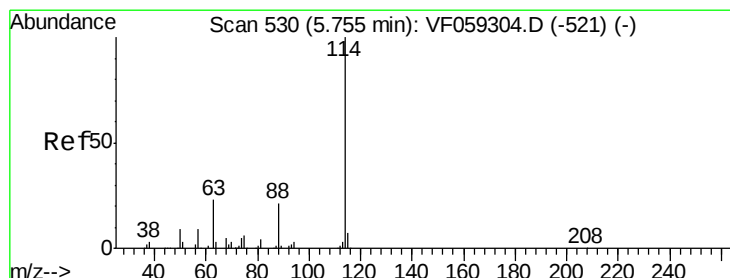
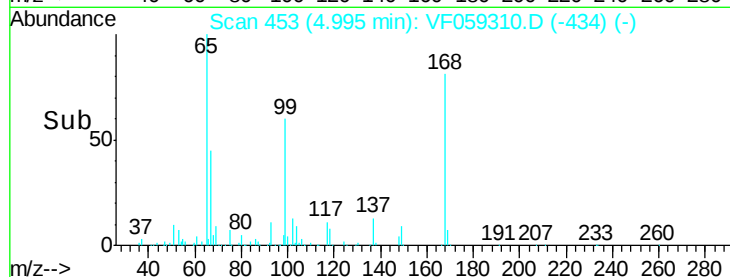
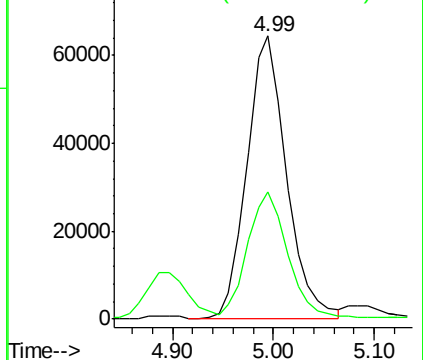
apatel

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

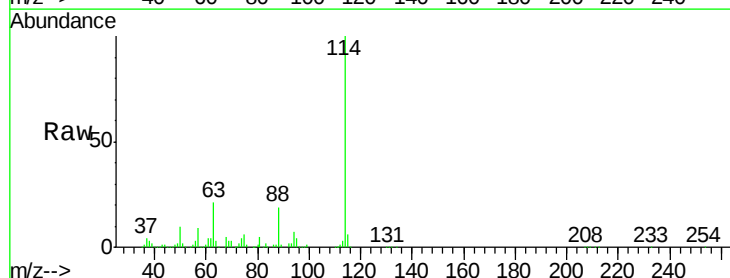
Tgt Ion: 114 Resp: 464369

Ion Ratio Lower Upper

114 100

63 20.7 0.0 45.8

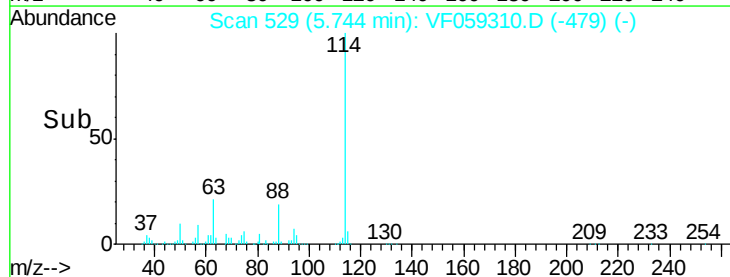
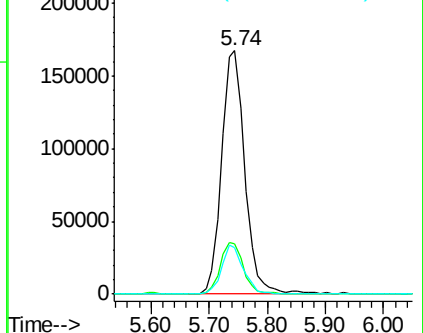
88 18.9 0.0 41.2

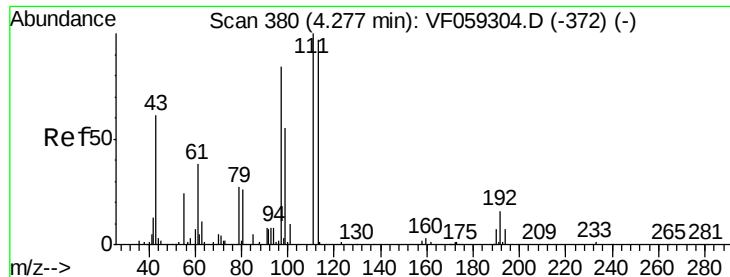


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 44.50 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

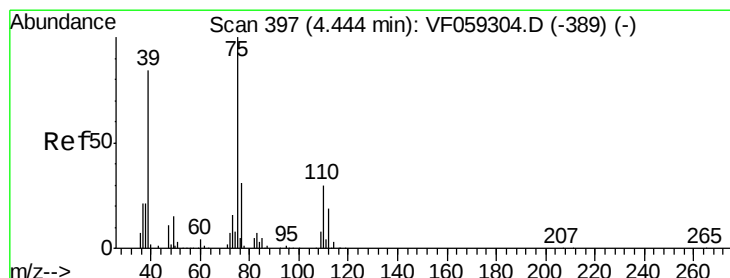
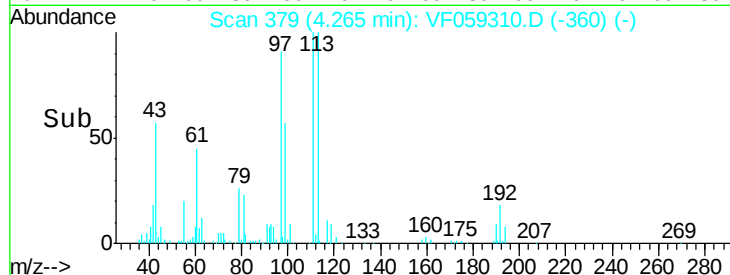
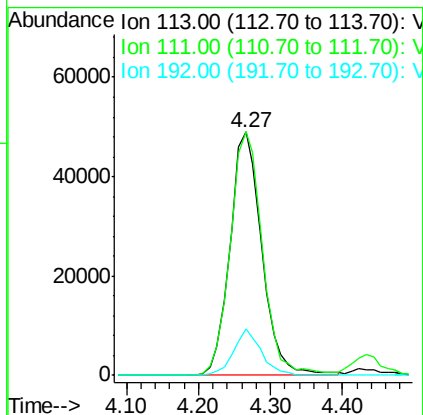
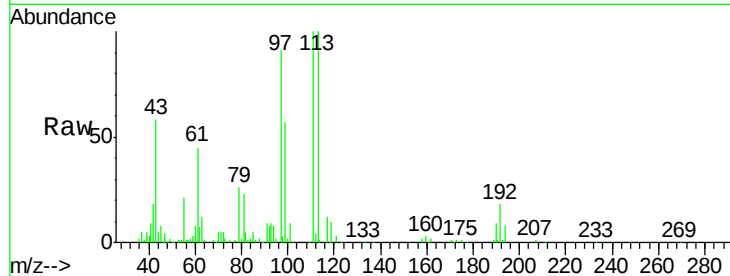
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	151005
Ion Ratio	Lower	Upper	
113	100		
111	100.0	82.1	123.1
192	18.9	13.0	19.6

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 46.92 ug/l

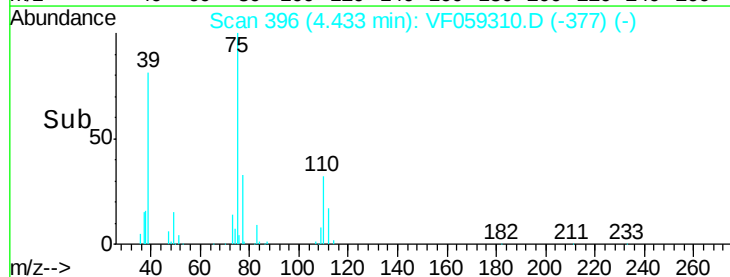
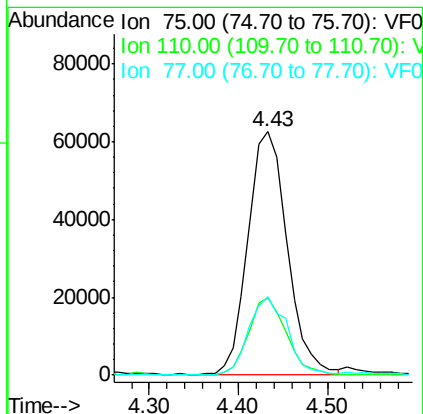
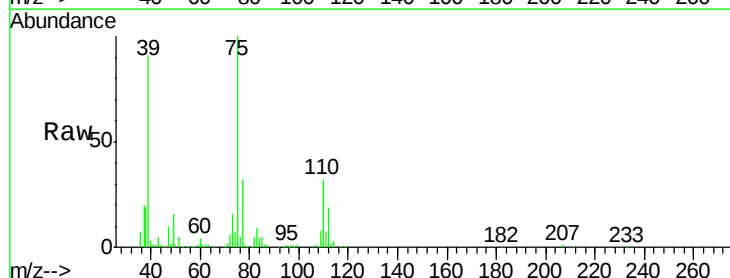
RT: 4.43 min Scan# 396

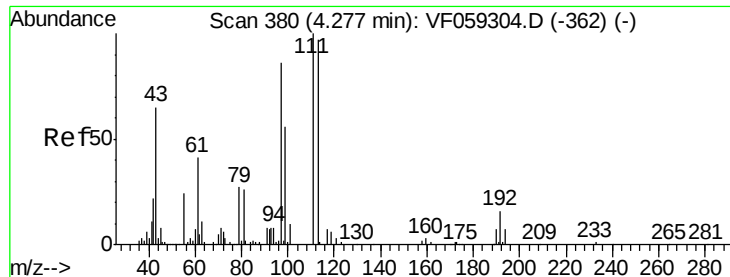
Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Tgt Ion:	75	Resp:	190328
Ion Ratio	Lower	Upper	
75	100		
110	31.7	14.8	44.4
77	32.3	25.2	37.8





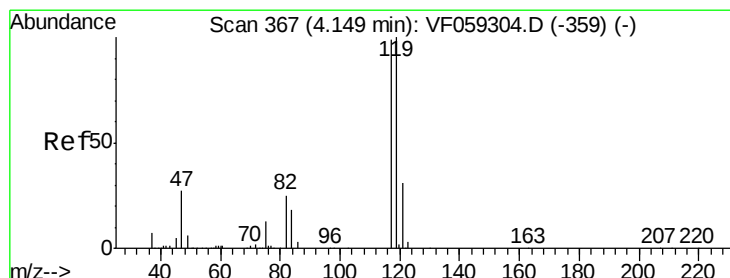
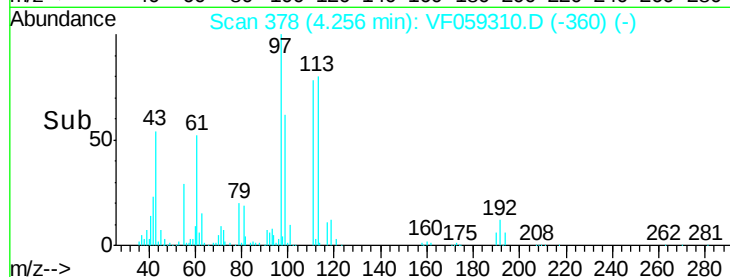
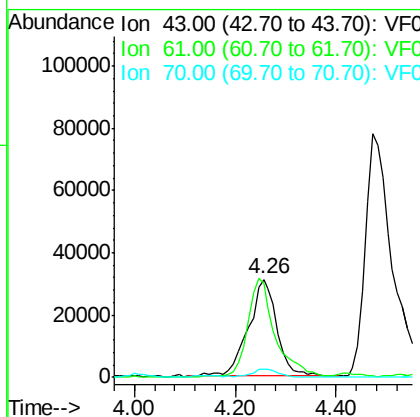
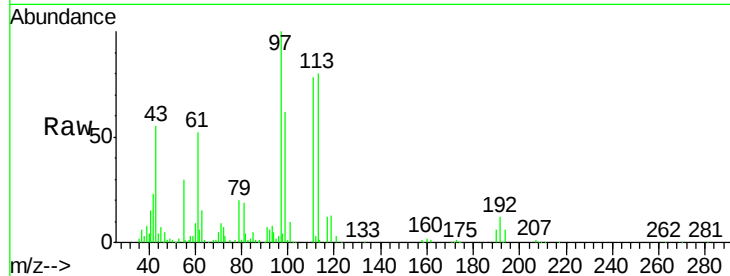
#37
Ethyl Acetate
Concen: 46.60 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	95.3	50.1	75.1#
70	8.7	6.2	9.4

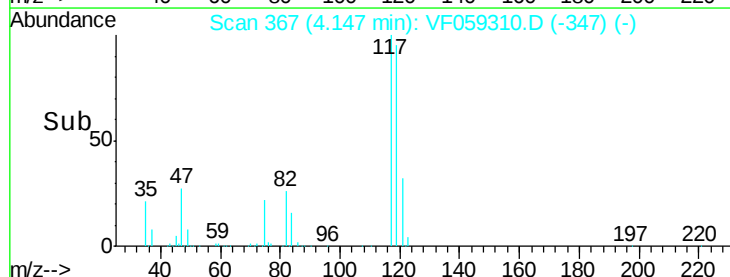
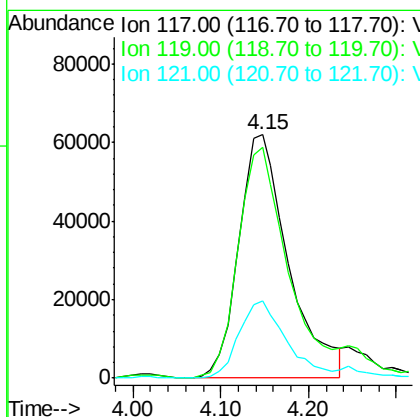
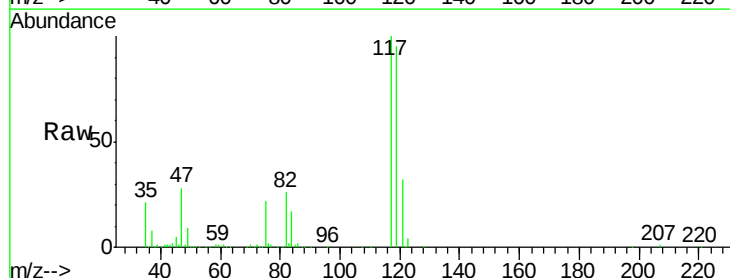
Manual Integrations
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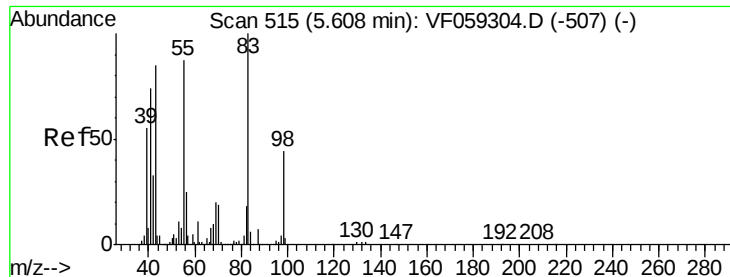
apatel
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#38
Carbon Tetrachloride
Concen: 47.78 ug/l m
RT: 4.15 min Scan# 367
Delta R.T. -0.00 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.7	81.0	121.4
121	31.8	24.7	37.1





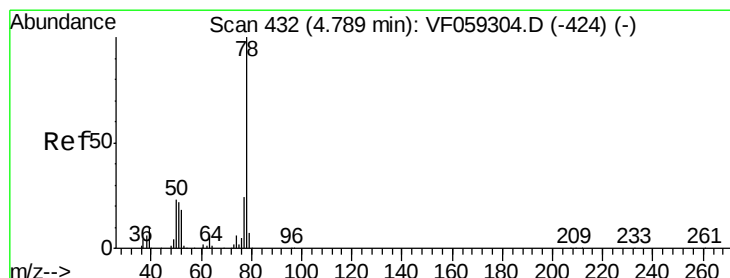
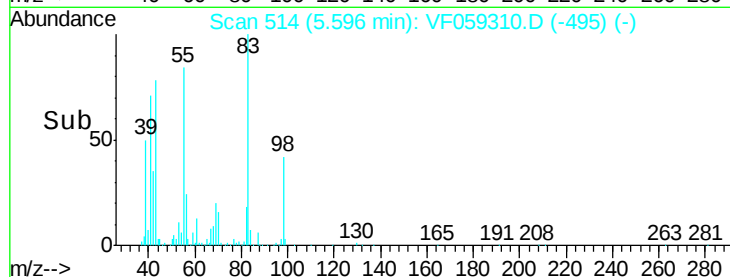
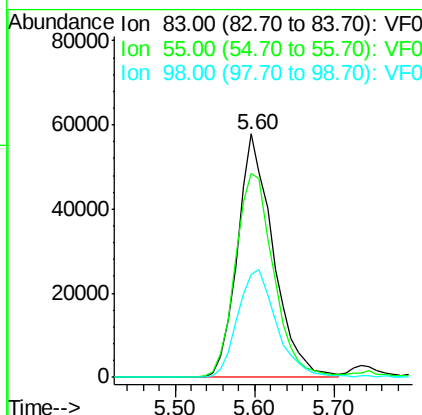
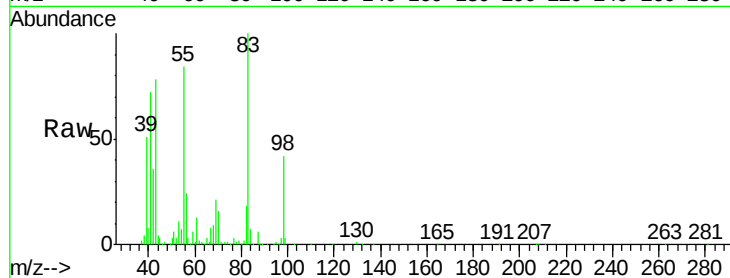
#39
Methvlcvclohexane
Concen: 50.06 ug/l
RT: 5.60 min Scan# 514
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	83.5	69.2	103.8
98	42.4	35.0	52.6

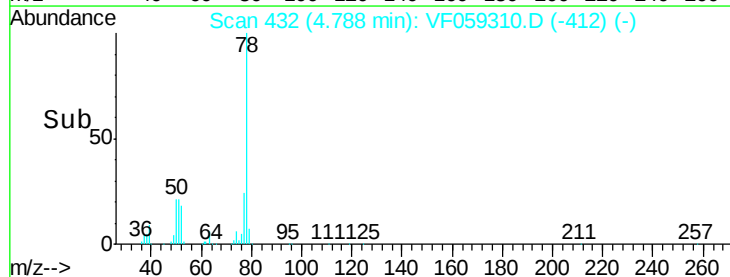
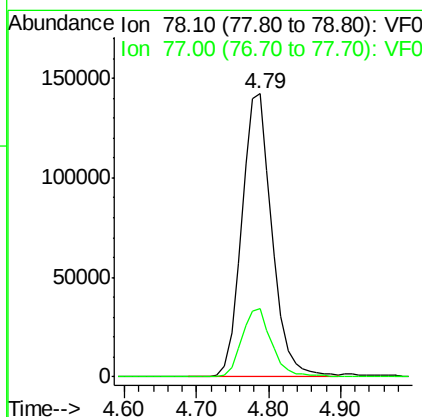
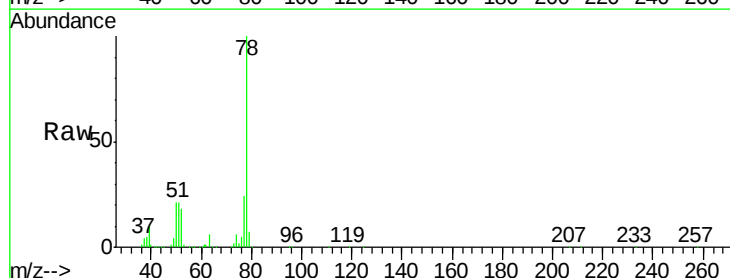
Manual Integrations
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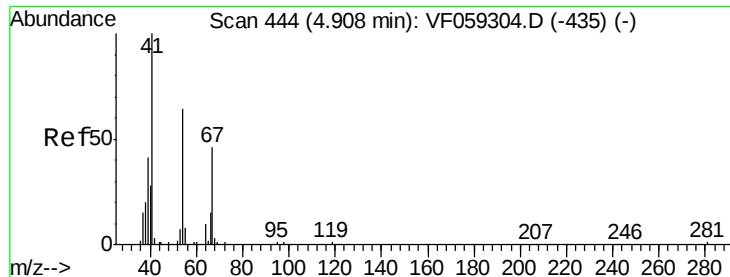
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#40
Benzene
Concen: 46.22 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.00 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.6	29.4





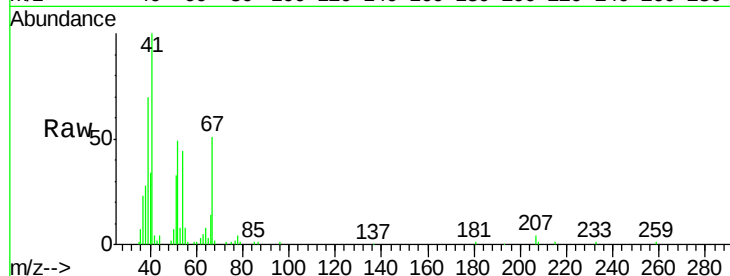
#41
Methacrylonitrile
Concen: 44.61 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

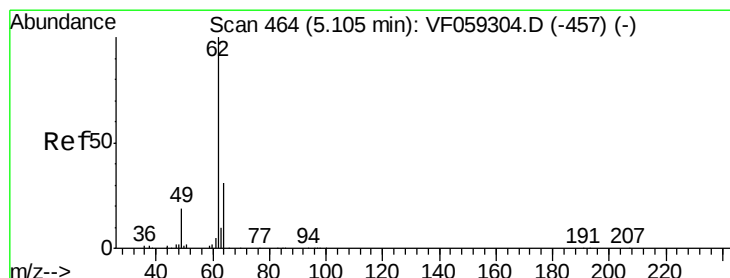
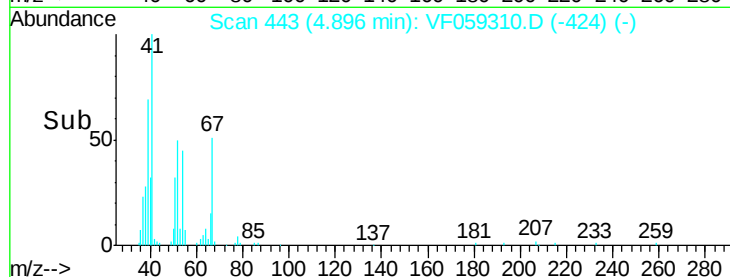
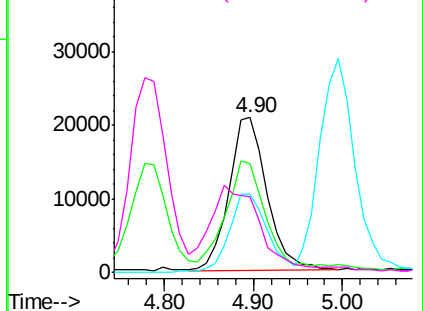
Tot Ion	41	Resp	61727
Ion	Ratio	Lower	Upper
41	100		
39	70.3	50.0	75.0
67	50.6	37.0	55.6
52	49.1	37.1	55.7

Manual Integrations
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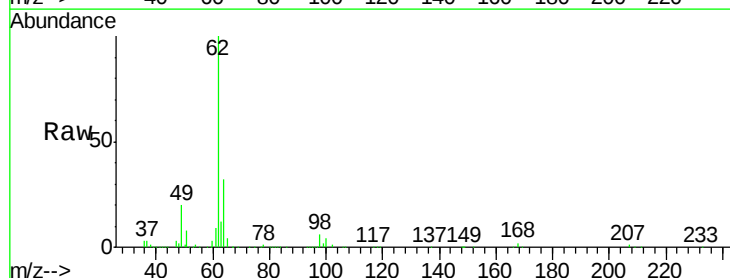


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

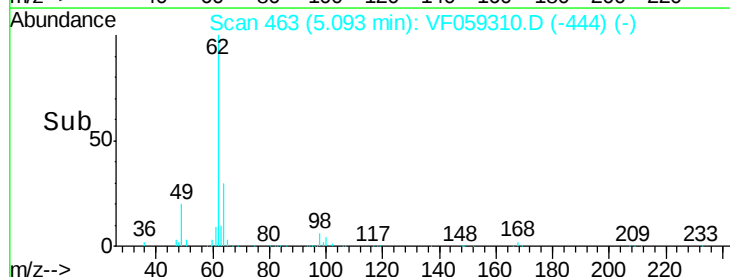
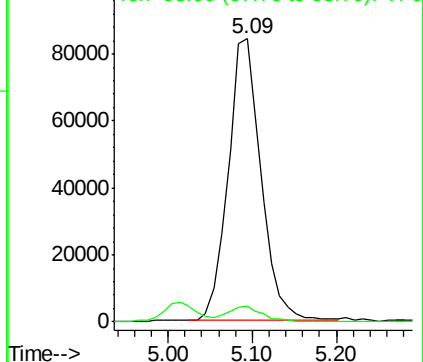


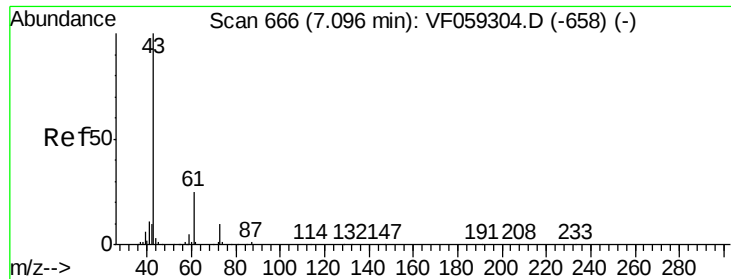
#42
1,2-Dichloroethane
Concen: 43.58 ug/l
RT: 5.09 min Scan# 463
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion	62	Resp	229048
Ion	Ratio	Lower	Upper
62	100		
98	5.7	0.0	11.4



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





#43

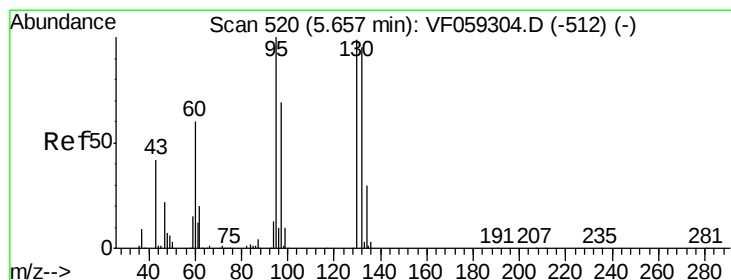
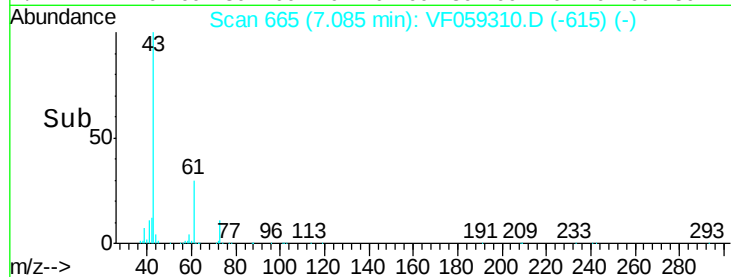
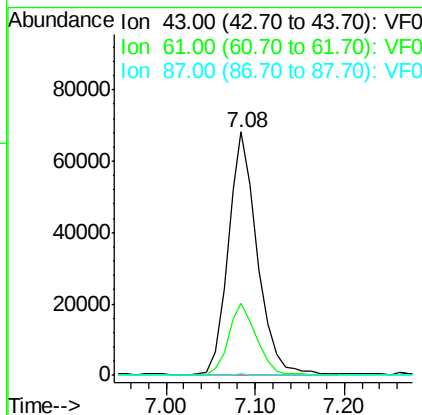
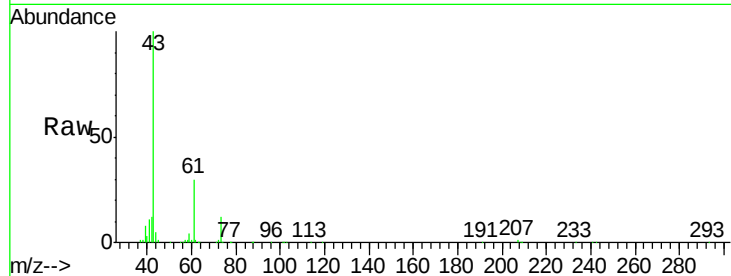
Isopropyl Acetate
 Concen: 45.43 ug/l
 RT: 7.08 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: VF059310.D
 Acq: 26 Jun 2018 11:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	19.7	29.5#
87	0.4	0.5	0.7#

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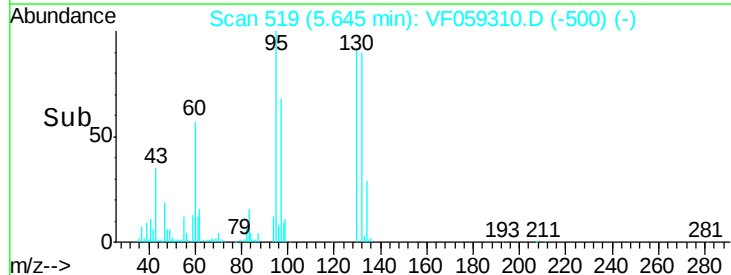
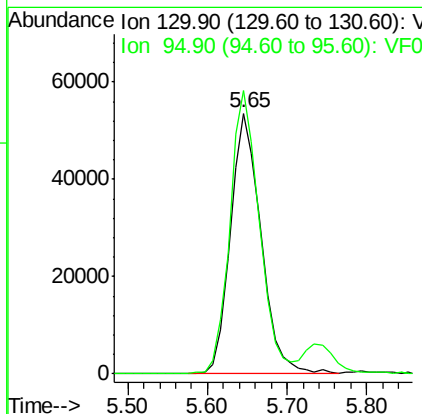
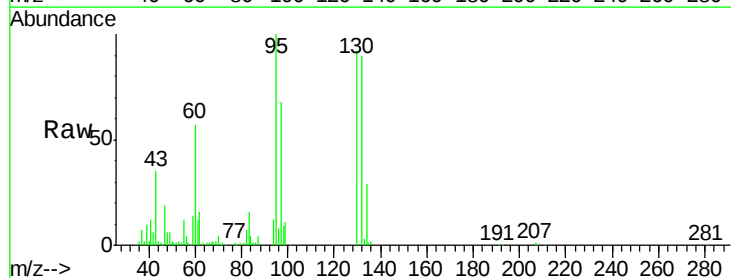
apatel
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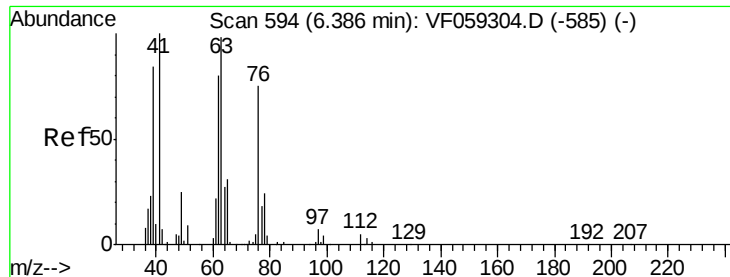


#44

Trichloroethene
 Concen: 46.39 ug/l
 RT: 5.65 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VF059310.D
 Acq: 26 Jun 2018 11:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.7	0.0	202.4





#45

1,2-Dichloropropane

Concen: 48.29 ug/l

RT: 6.37 min Scan# 593

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 124097

Ion Ratio Lower Upper

63 100

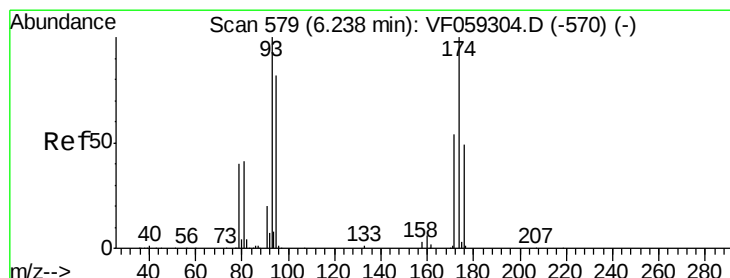
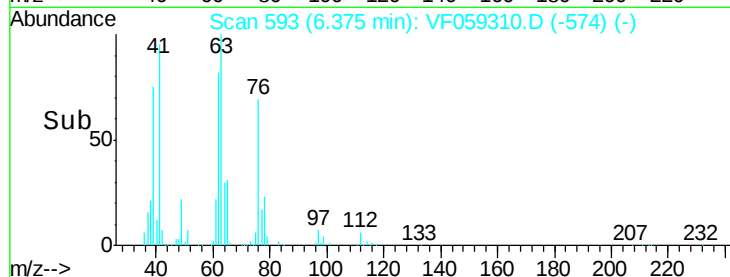
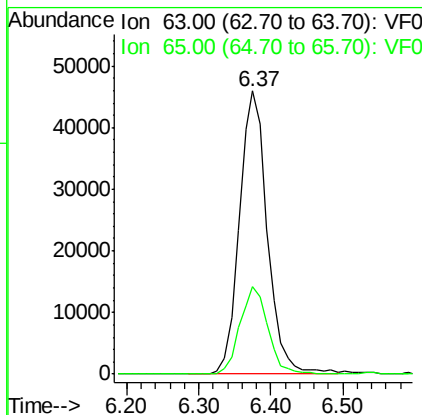
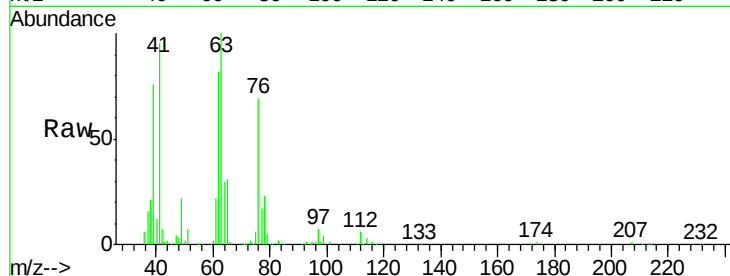
65 31.1 25.3 37.9

Manual Integrations

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#46

Dibromomethane

Concen: 45.99 ug/l

RT: 6.23 min Scan# 578

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

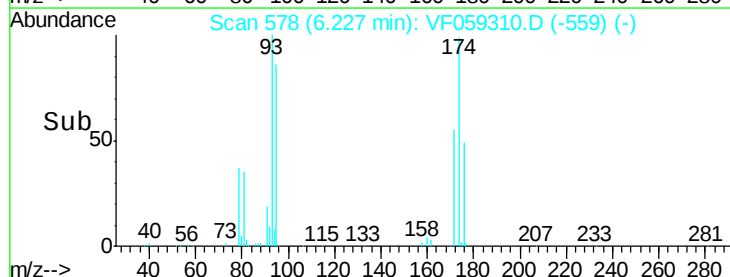
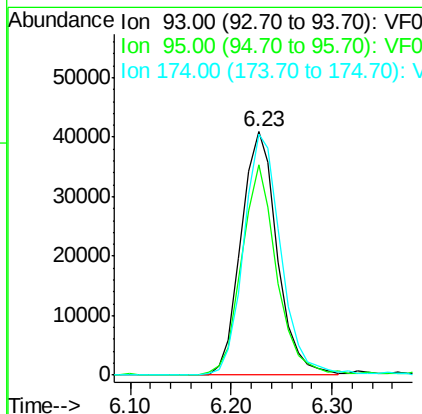
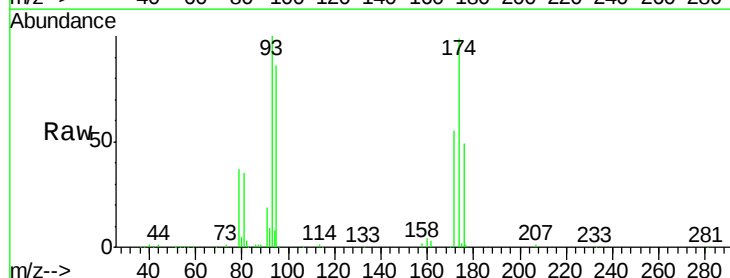
Tgt Ion: 93 Resp: 102585

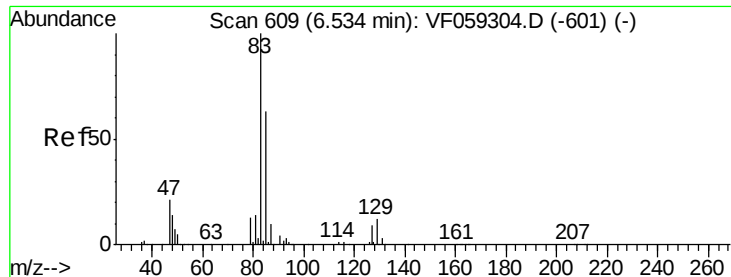
Ion Ratio Lower Upper

93 100

95 86.3 65.6 98.4

174 99.3 80.0 120.0





#47

Bromodichloromethane

Concen: 46.97 ug/l

RT: 6.52 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

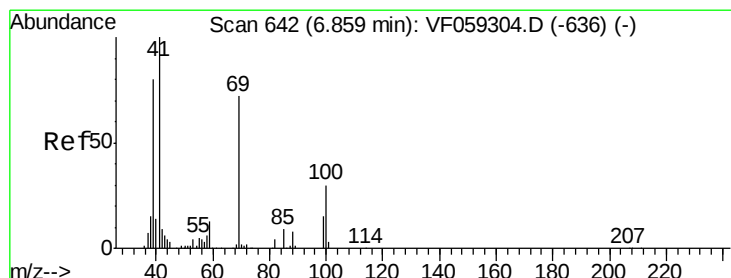
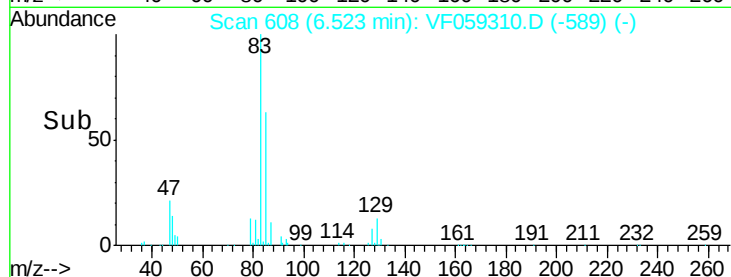
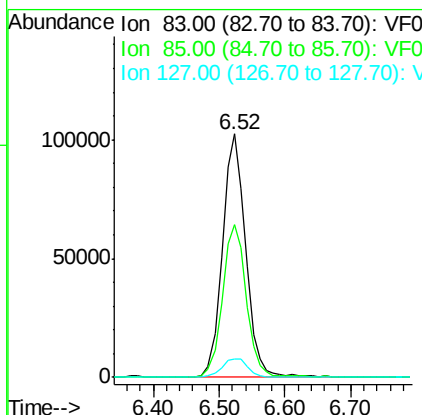
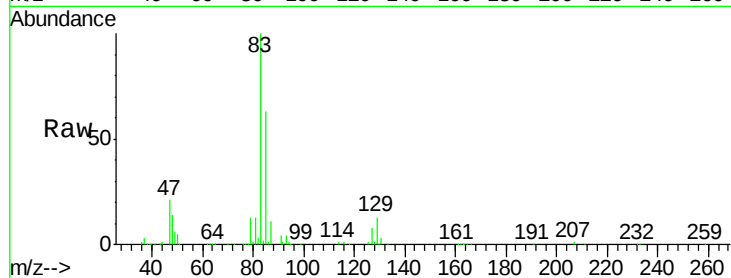
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	253595
Ion Ratio	Lower	Upper	
83	100		
85	62.9	50.2	75.2
127	7.7	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.90 ug/l

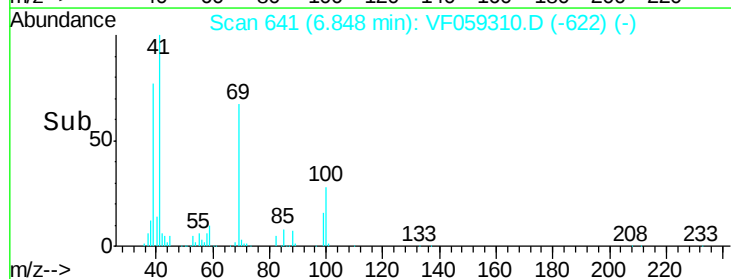
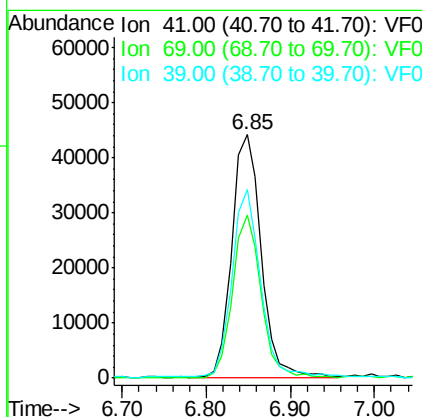
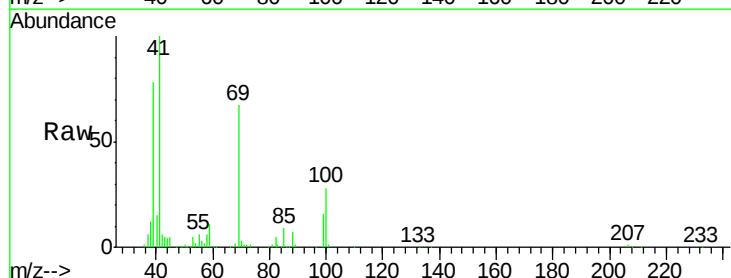
RT: 6.85 min Scan# 641

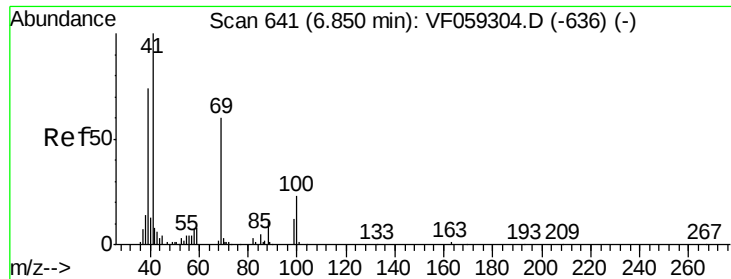
Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Tgt Ion:	41	Resp:	106214
Ion Ratio	Lower	Upper	
41	100		
69	67.0	57.3	85.9
39	77.5	64.4	96.6





#49

1,4-Dioxane

Concen: 868.33 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

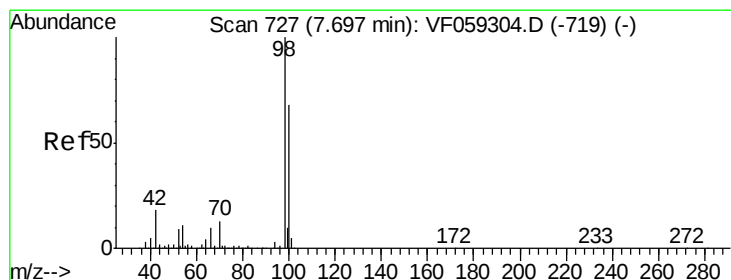
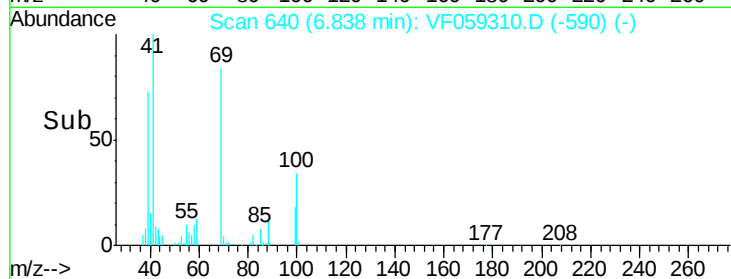
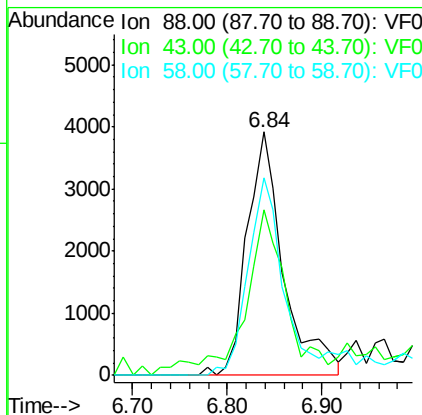
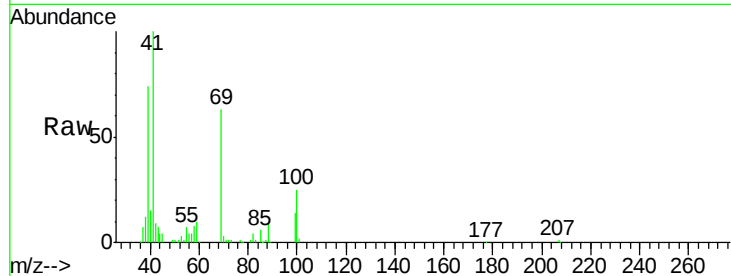
ClientSampleId :

VSTDCCC050

Tot Ion	88	Resp	10560
Ion	Ratio	Lower	Upper
88	100		
43	68.0	50.6	75.8
58	81.2	46.6	69.8#

Manual Integrations
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#50

Toluene-d8

Concen: 46.72 ug/l

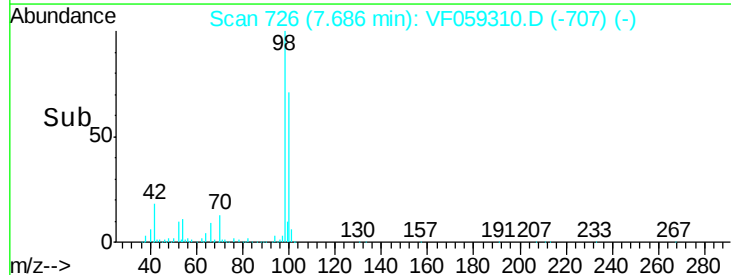
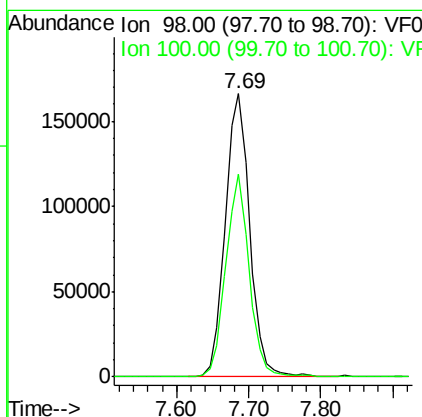
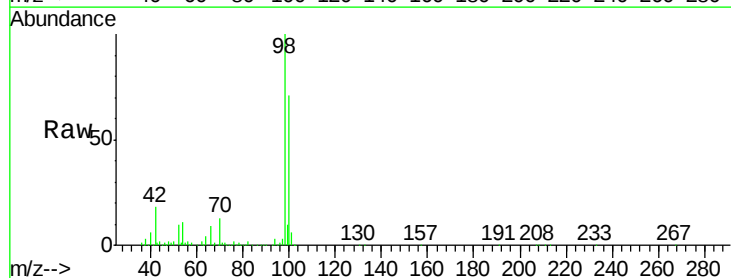
RT: 7.69 min Scan# 726

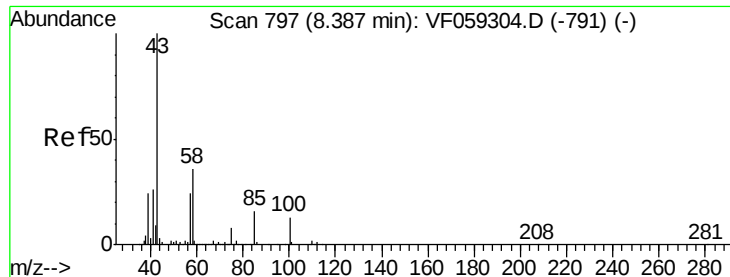
Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Tgt Ion	98	Resp	392450
Ion	Ratio	Lower	Upper
98	100		
100	71.4	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 227.14 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 568612

Ion Ratio Lower Upper

43 100

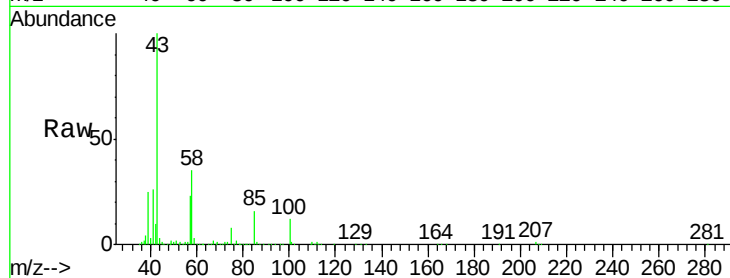
58 35.4 28.4 42.6

Manual Integrations

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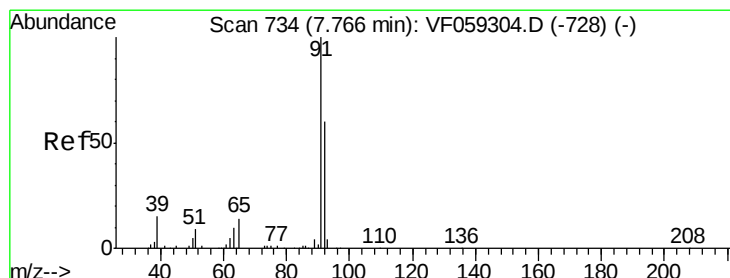
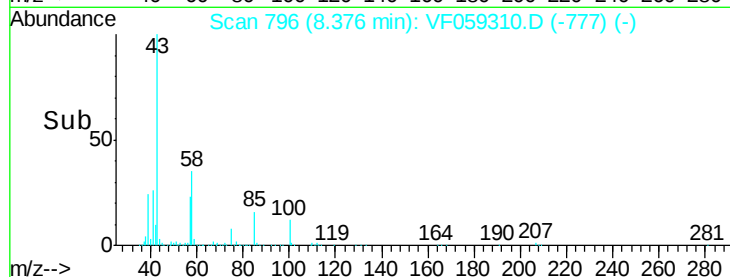
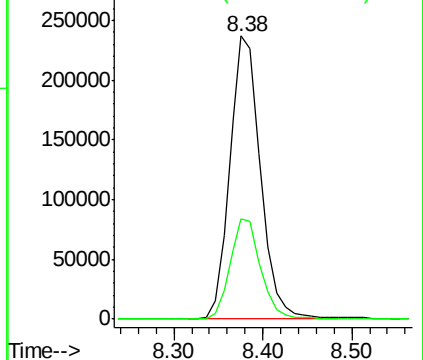
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 44.70 ug/l

RT: 7.75 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059310.D

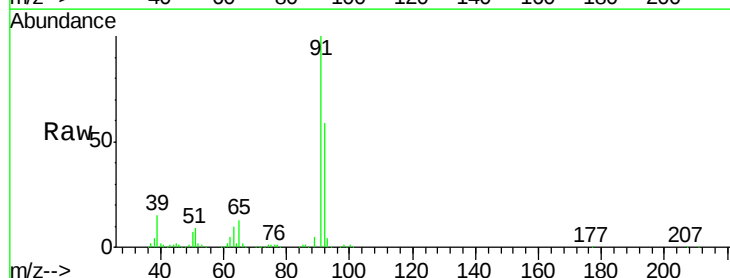
Acq: 26 Jun 2018 11:43

Tgt Ion: 92 Resp: 300814

Ion Ratio Lower Upper

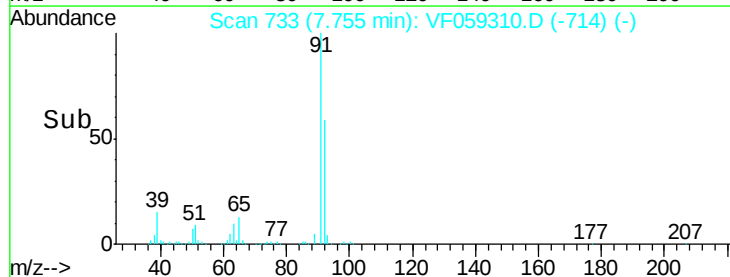
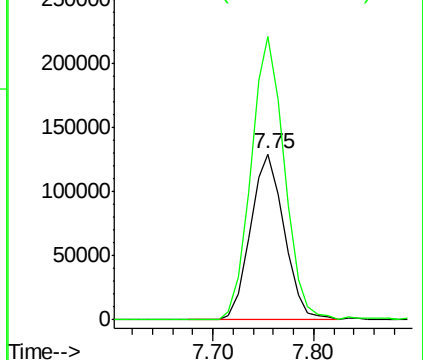
92 100

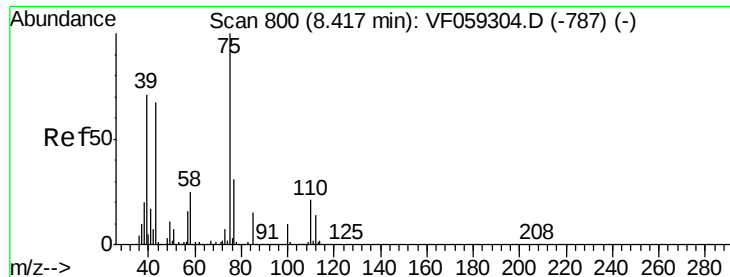
91 170.7 132.8 199.2



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: 48.06 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 236530

Ion Ratio Lower Upper

75 100

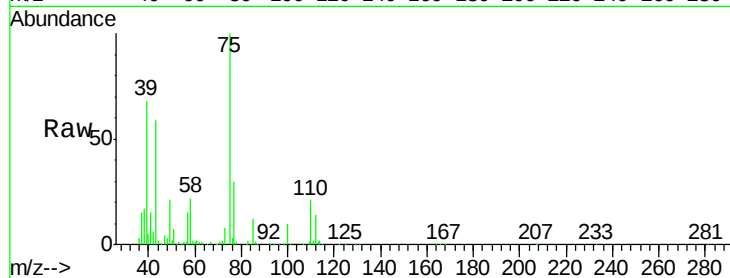
77 30.1 25.3 37.9

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

120000

100000

80000

60000

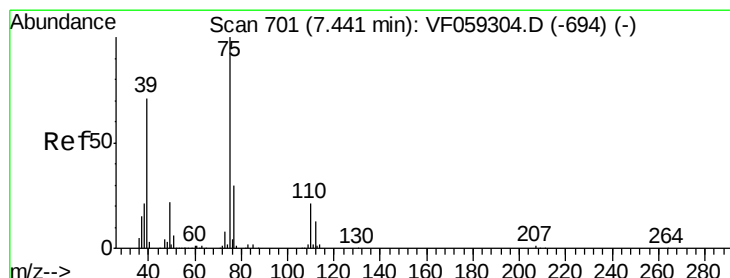
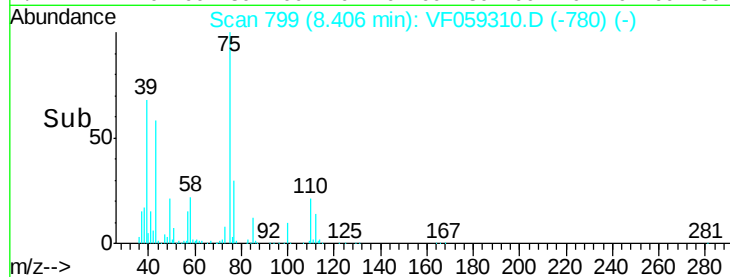
40000

20000

0

8.20 8.30 8.40 8.50 8.60

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.23 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

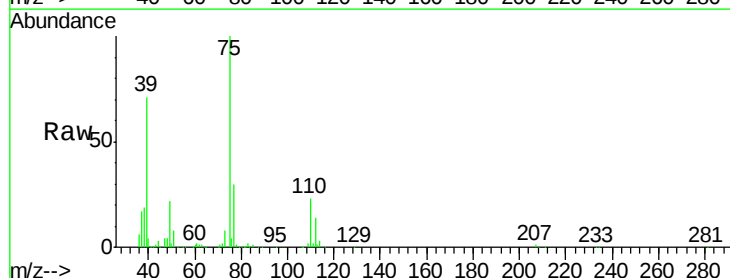
Tgt Ion: 75 Resp: 252453

Ion Ratio Lower Upper

75 100

77 30.1 24.3 36.5

39 70.6 57.2 85.8



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

150000

100000

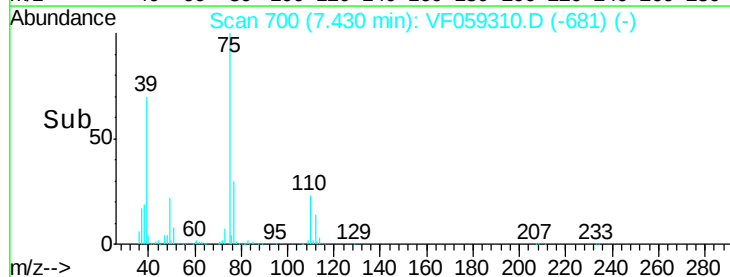
7.43

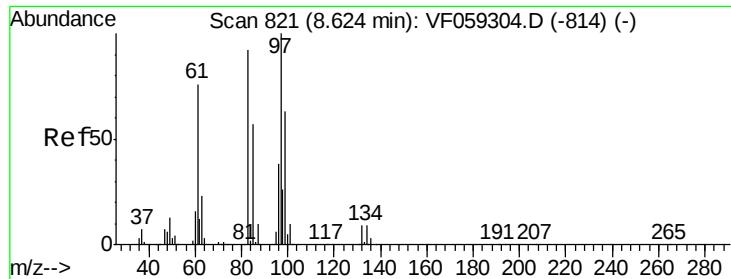
50000

0

7.30 7.40 7.50 7.60

Time-->





#55

1,1,2-Trichloroethane

Concen: 46.43 ug/l

RT: 8.61 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

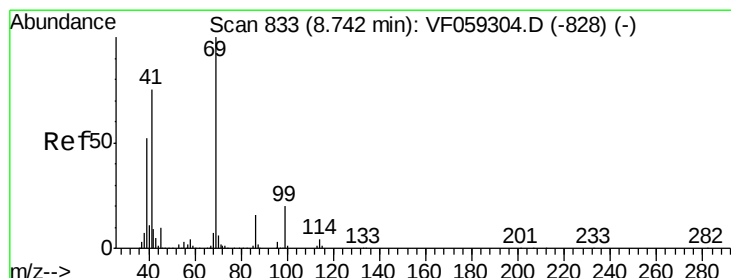
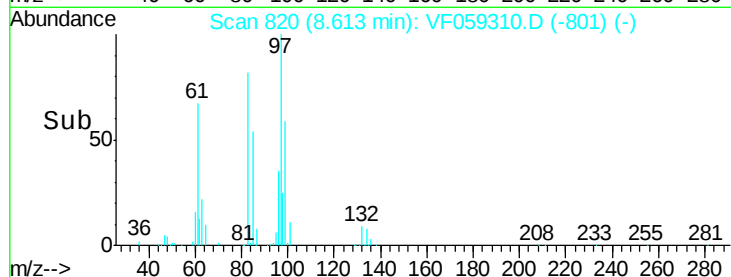
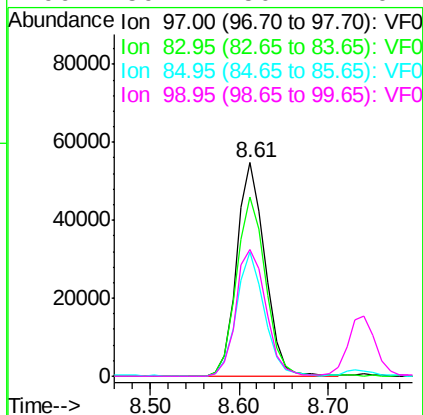
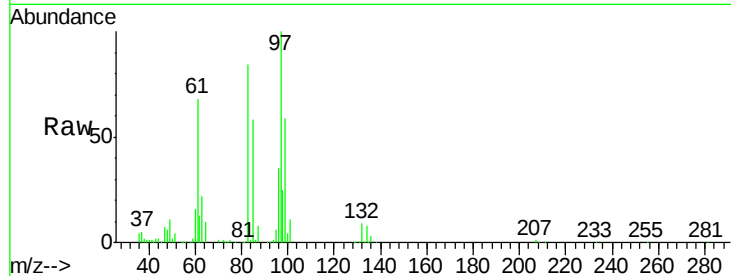
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	121328
Ion	Ratio	Lower	Upper
97	100		
83	83.7	73.8	110.8
85	58.2	45.5	68.3
99	59.4	50.7	76.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 47.00 ug/l

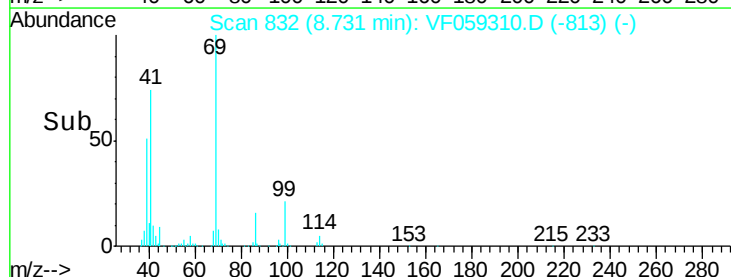
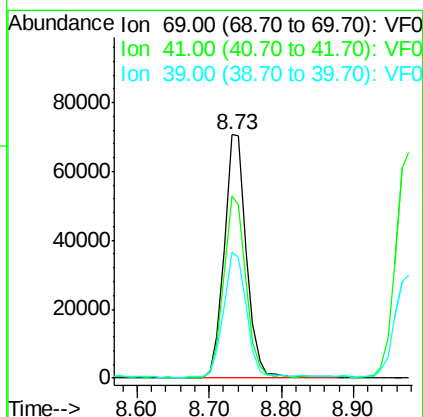
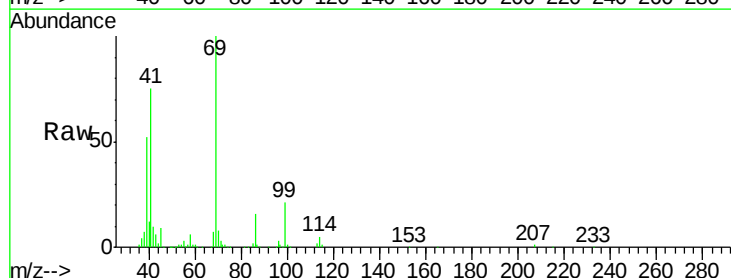
RT: 8.73 min Scan# 832

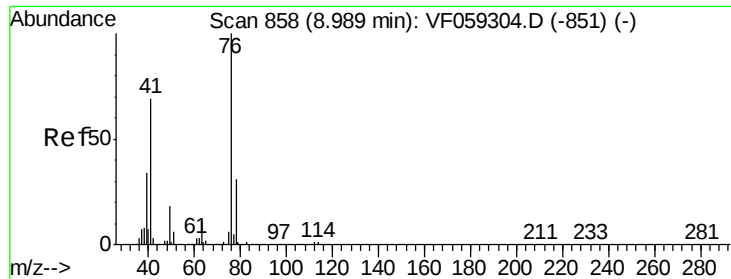
Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Tgt Ion:	69	Resp:	152149
Ion	Ratio	Lower	Upper
69	100		
41	74.7	60.3	90.5
39	51.7	42.2	63.4





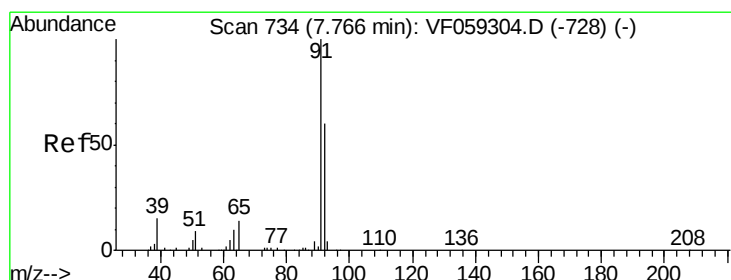
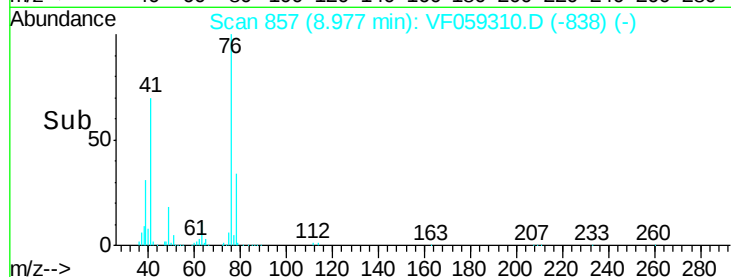
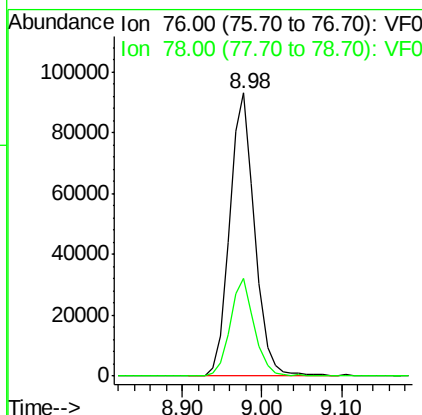
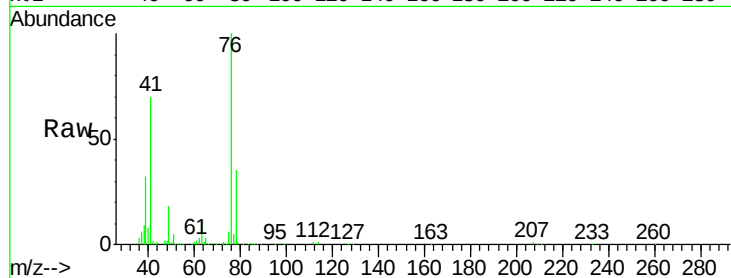
#57
 1,3-Dichloropropane
 Concen: 45.64 ug/l
 RT: 8.98 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VF059310.D
 Acq: 26 Jun 2018 11:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.6	24.9	37.3

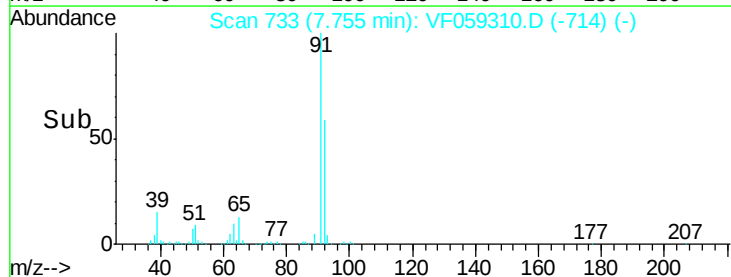
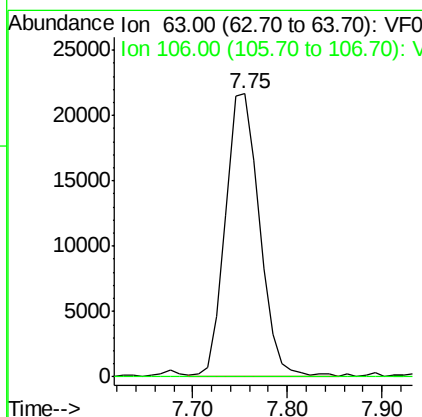
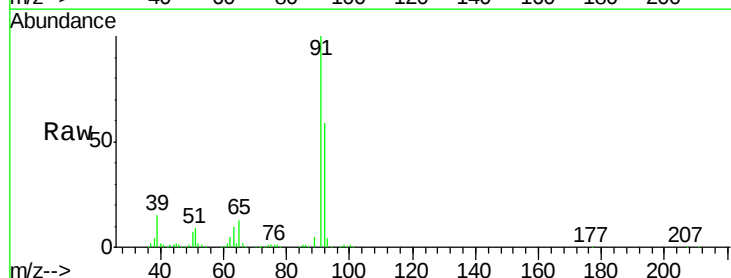
Manual Integrations
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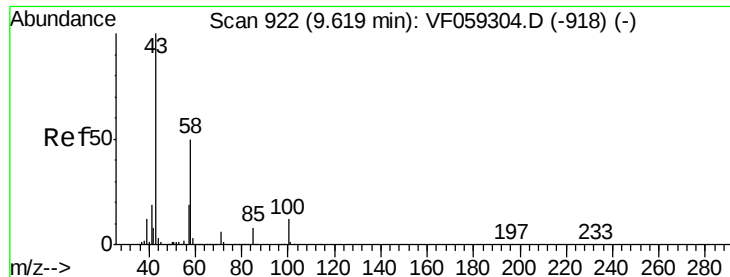
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#58
 2-Chloroethyl Vinyl ether
 Concen: 223.42 ug/l
 RT: 7.75 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: VF059310.D
 Acq: 26 Jun 2018 11:43

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





#59

2-Hexanone

Concen: 244.39 ug/l

RT: 9.61 min Scan# 921

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 460331

Ion Ratio Lower Upper

43 100

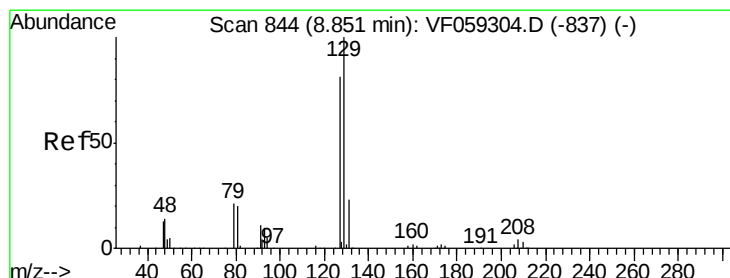
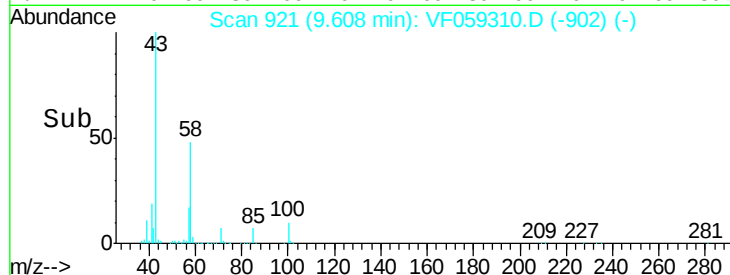
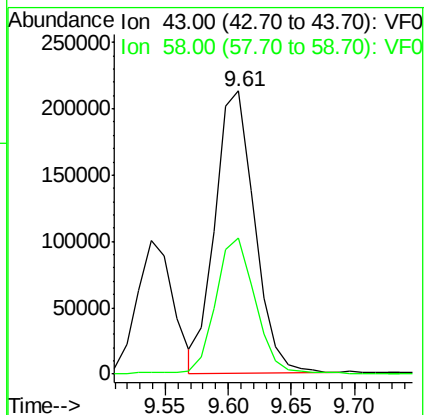
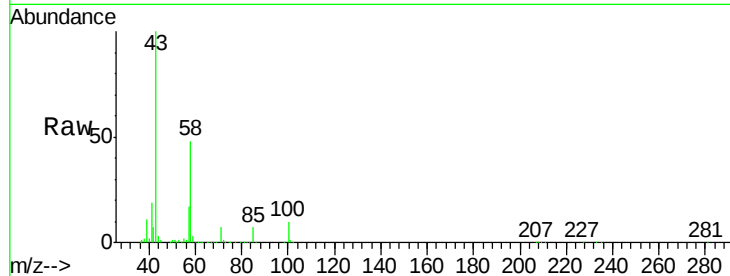
58 47.9 23.3 69.9

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#60

Dibromochloromethane

Concen: 47.22 ug/l

RT: 8.84 min Scan# 843

Delta R.T. -0.01 min

Lab File: VF059310.D

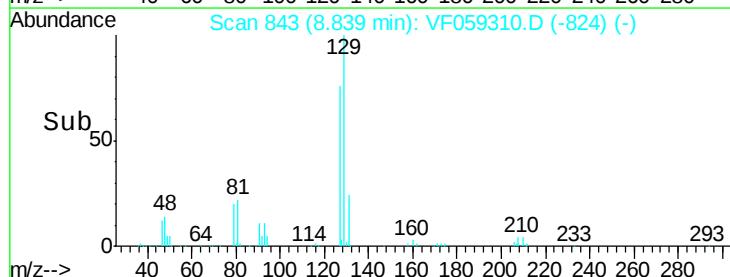
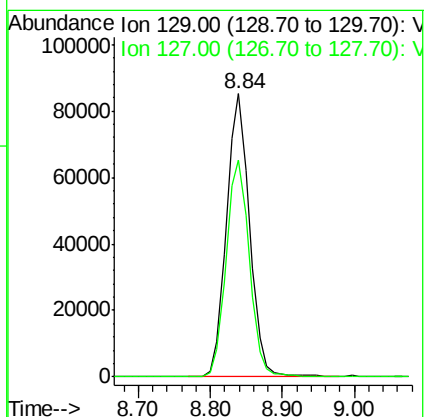
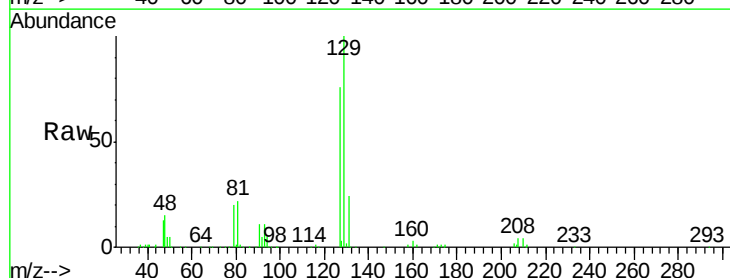
Acq: 26 Jun 2018 11:43

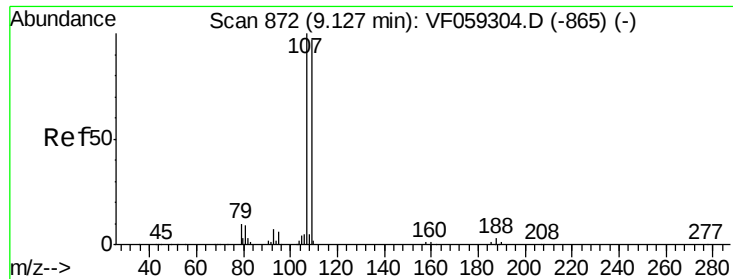
Tgt Ion: 129 Resp: 190518

Ion Ratio Lower Upper

129 100

127 76.4 40.7 122.1





#61

1,2-Dibromoethane

Concen: 45.93 ug/l

RT: 9.11 min Scan# 870

Delta R.T. -0.02 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 145561

Ion Ratio Lower Upper

107 100

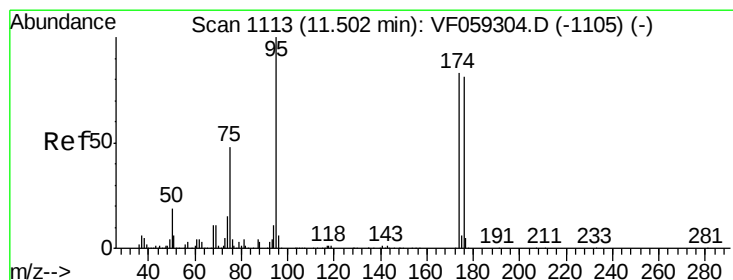
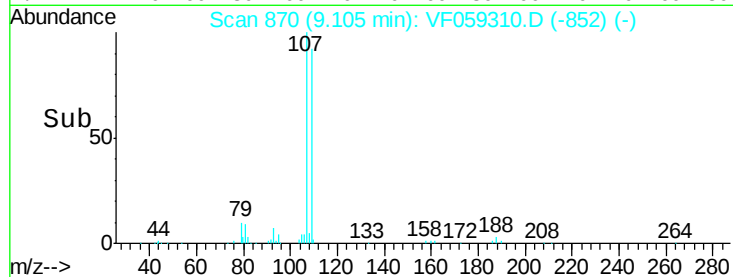
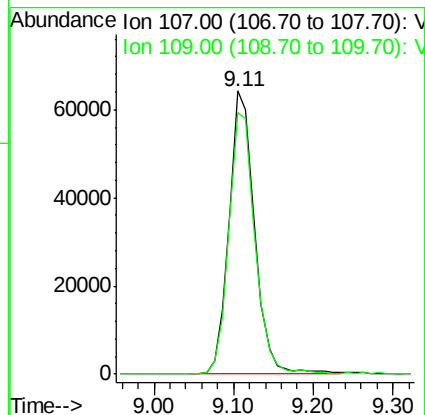
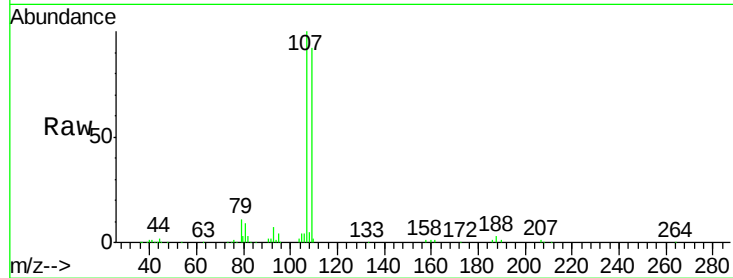
109 92.4 77.3 115.9

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#62

4-Bromofluorobenzene

Concen: 46.15 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

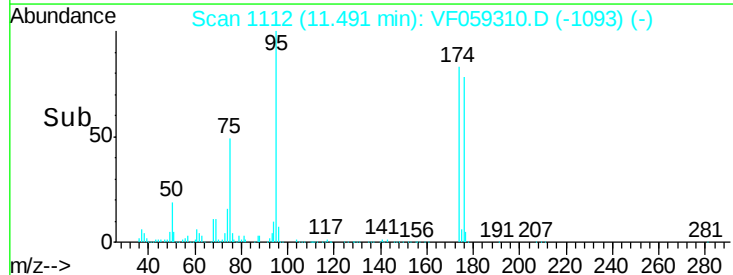
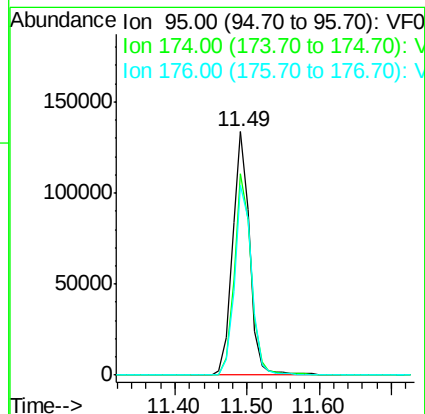
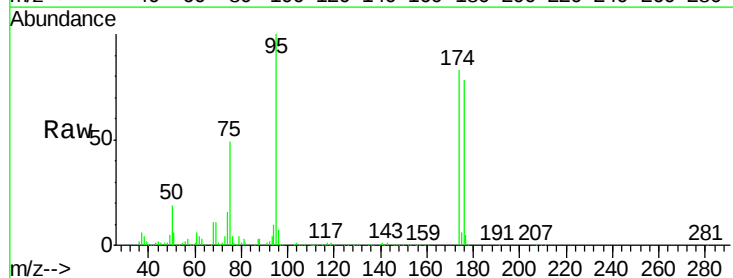
Tgt Ion: 95 Resp: 218688

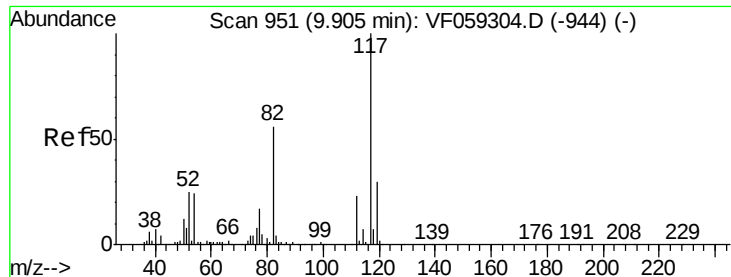
Ion Ratio Lower Upper

95 100

174 82.7 0.0 165.2

176 78.2 0.0 161.0





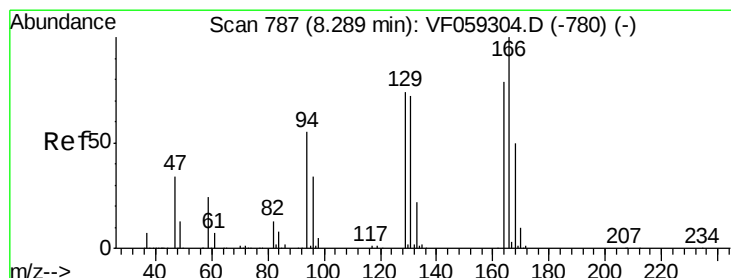
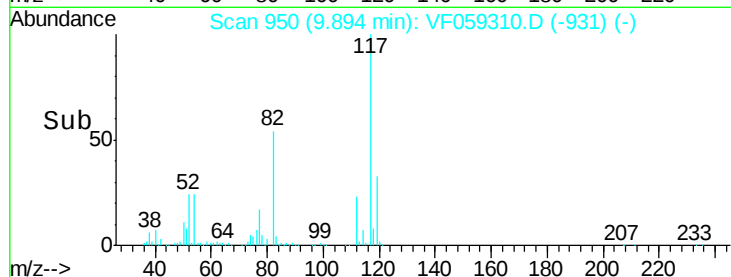
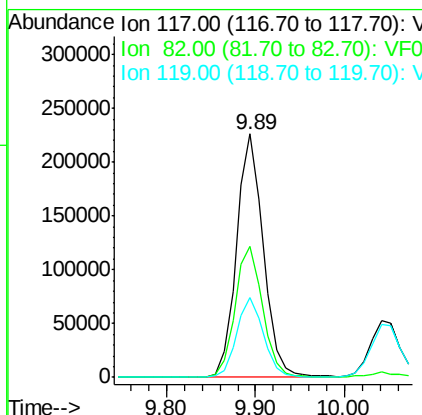
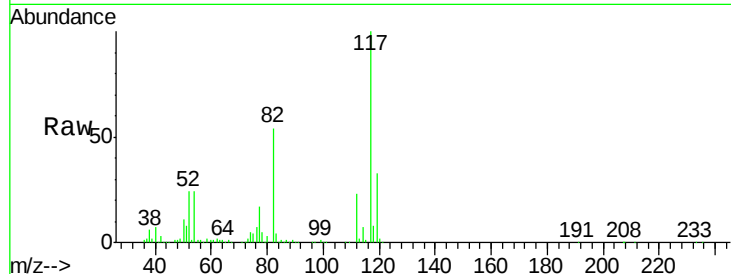
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.89 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.6	66.8
119	32.9	24.1	36.1

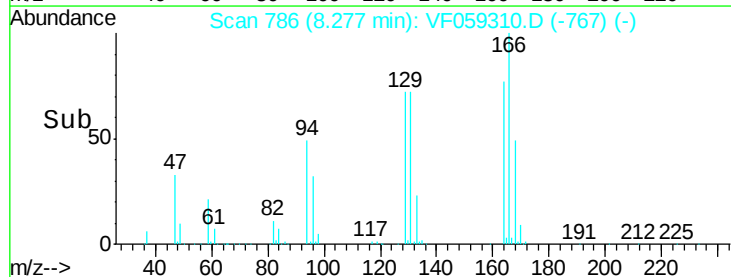
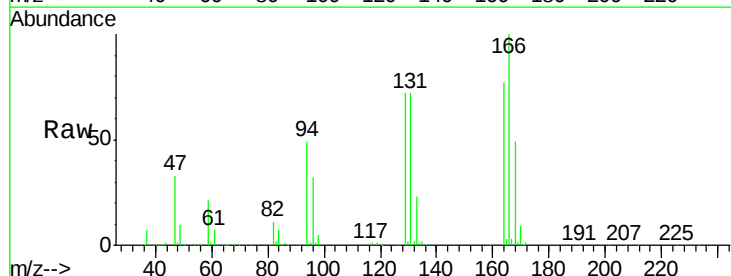
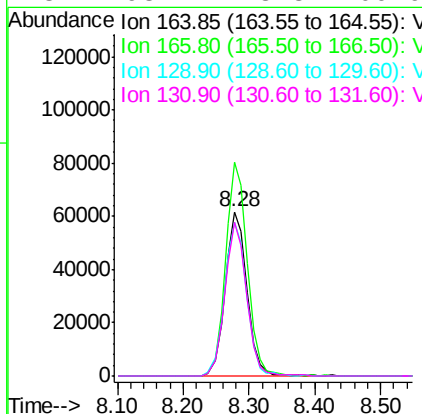
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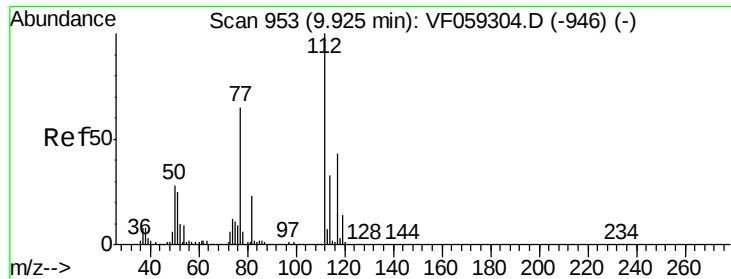
apatel
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#64
Tetrachloroethene
Concen: 46.37 ug/l
RT: 8.28 min Scan# 786
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	101.1	151.7
129	93.4	75.0	112.4
131	93.2	73.3	109.9





#65

Chlorobenzene

Concen: 46.80 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 411598

Ion Ratio Lower Upper

112 100

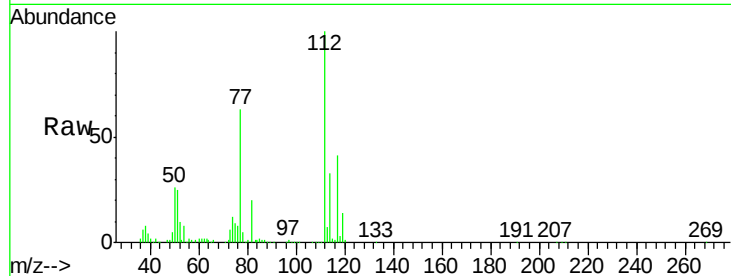
114 33.0 26.5 39.7

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.91

200000

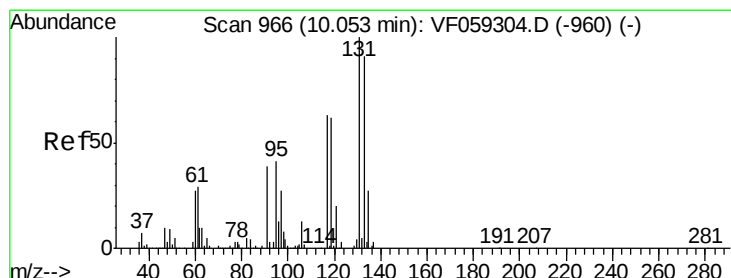
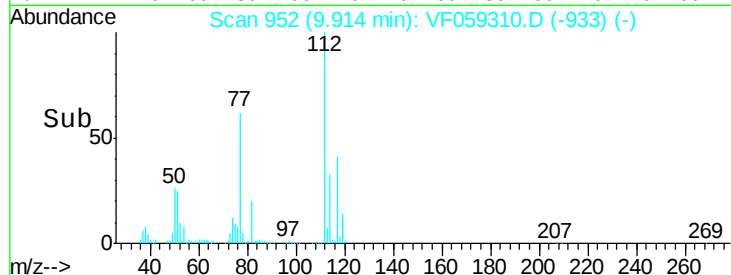
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 45.11 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

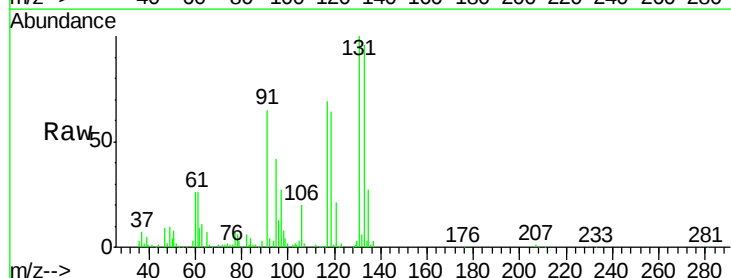
Tgt Ion:131 Resp: 171579

Ion Ratio Lower Upper

131 100

133 96.5 45.3 135.9

119 63.8 31.3 93.9



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

10.04

100000

80000

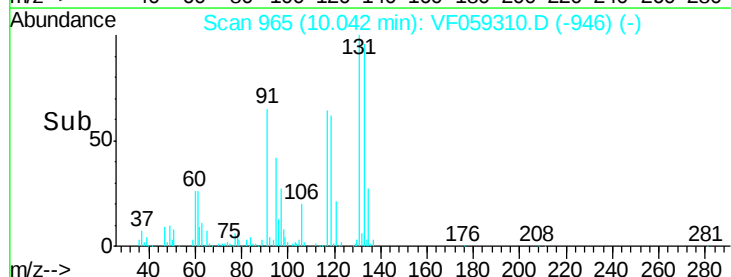
60000

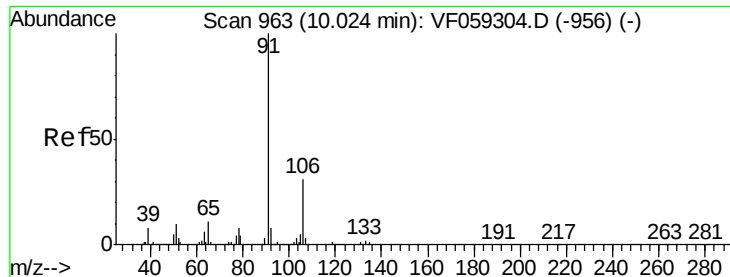
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 47.17 ug/l

RT: 10.01 min Scan# 962

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 703741

Ion Ratio Lower Upper

91 100

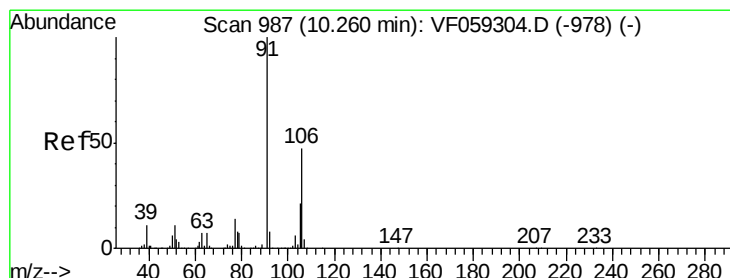
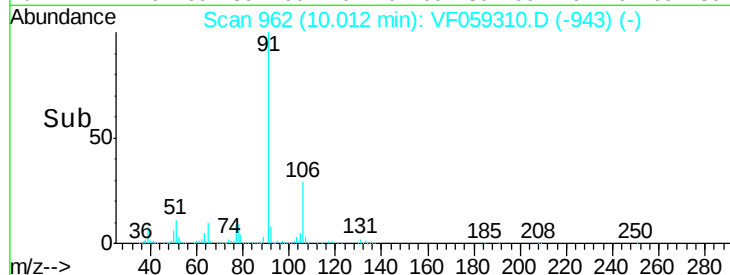
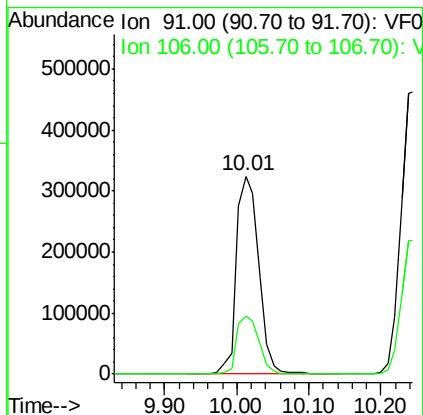
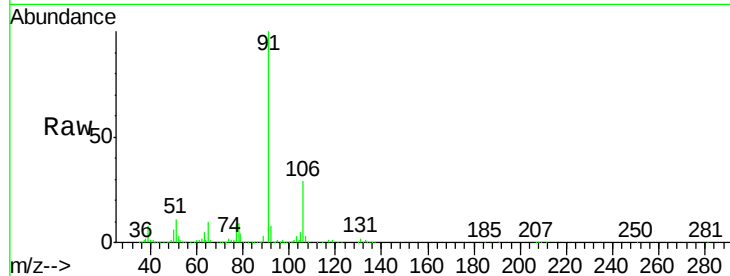
106 29.3 24.8 37.2

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#68

m/p-Xylenes

Concen: 92.25 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059310.D

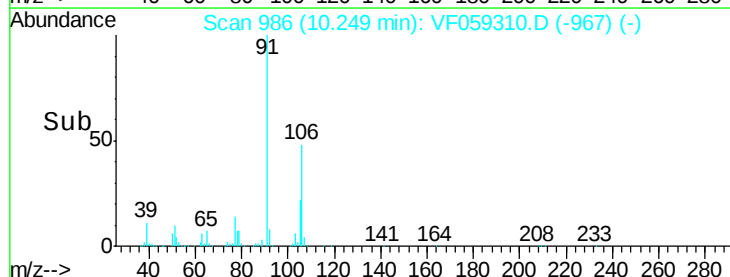
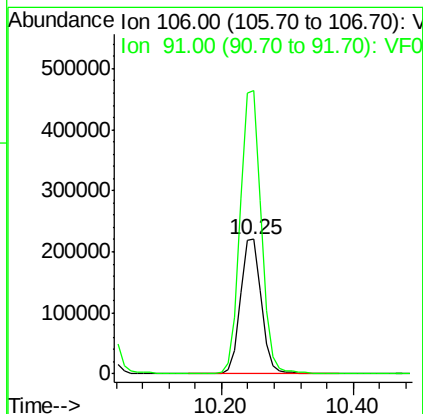
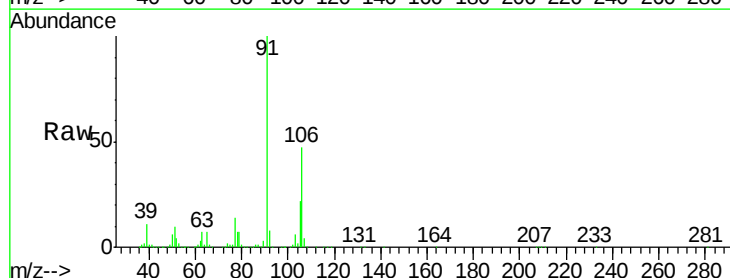
Acq: 26 Jun 2018 11:43

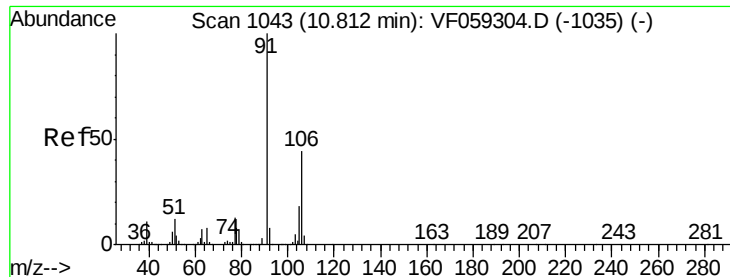
Tgt Ion: 106 Resp: 489848

Ion Ratio Lower Upper

106 100

91 210.7 170.8 256.2





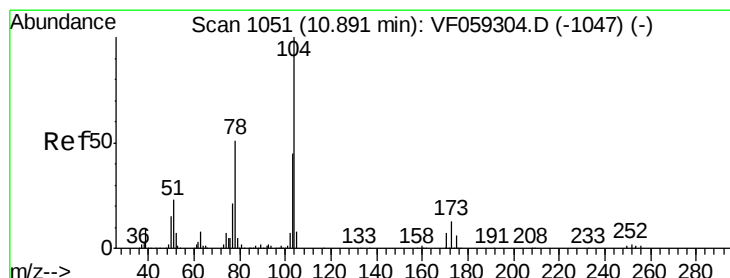
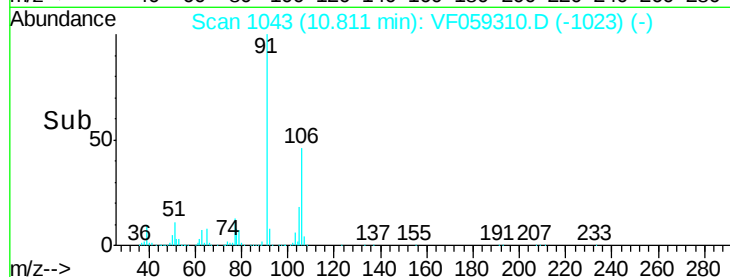
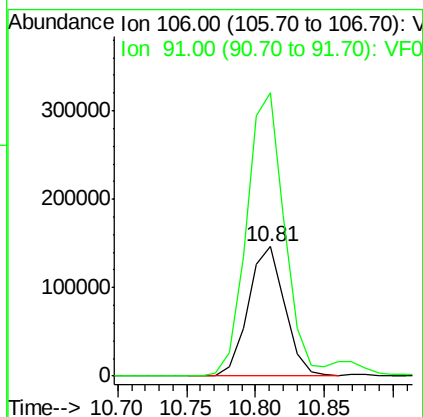
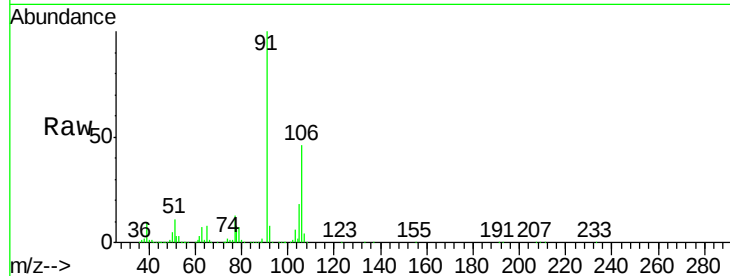
#69
o-Xylene
Concen: 45.59 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	218.4	114.6	343.6

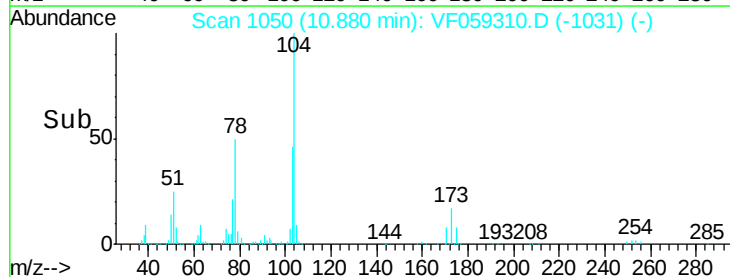
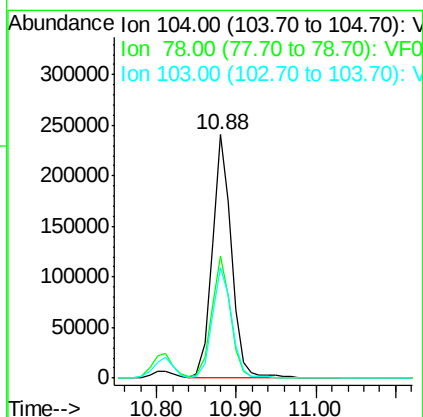
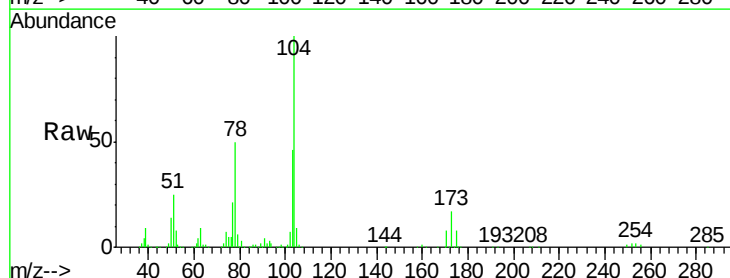
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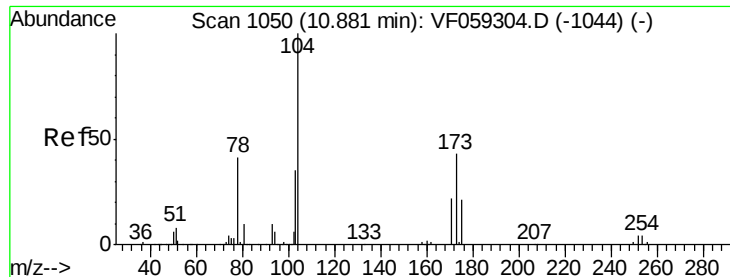
apatel
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#70
Styrene
Concen: 44.93 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.2	40.9	61.3
103	45.6	36.5	54.7





#71

Bromoform

Concen: 44.22 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

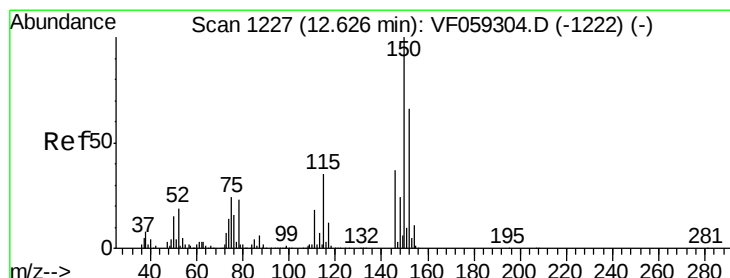
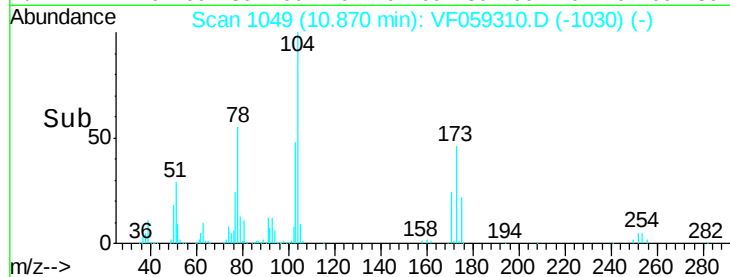
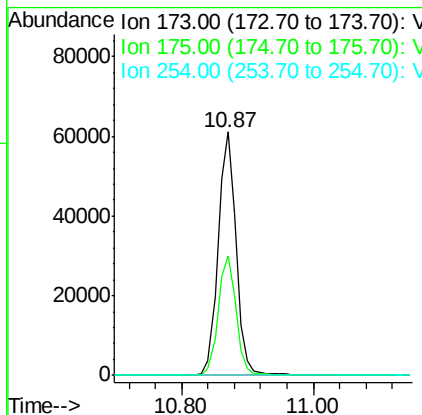
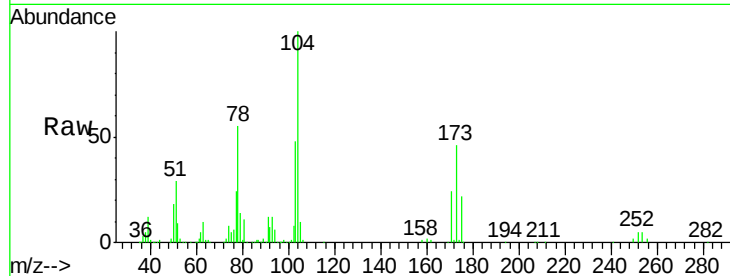
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	115294
Ion Ratio	Lower	Upper	
173	100		
175	49.0	24.8	74.3
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

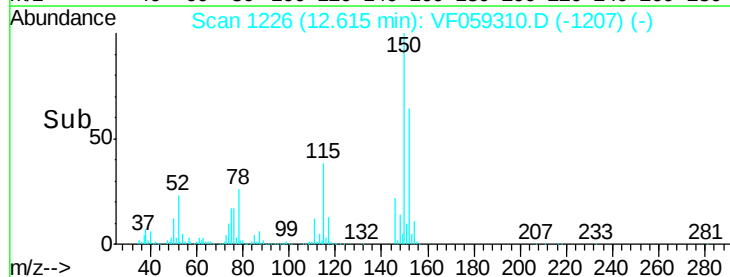
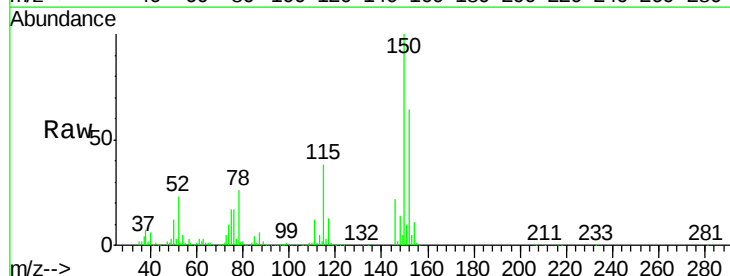
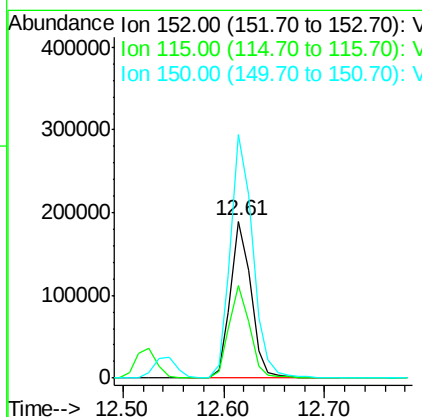
RT: 12.61 min Scan# 1226

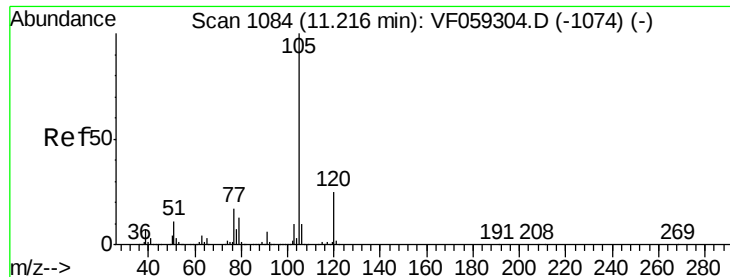
Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Tgt Ion:	152	Resp:	271561
Ion Ratio	Lower	Upper	
152	100		
115	59.1	27.1	81.3
150	155.1	0.0	305.2





#73

Isopropylbenzene

Concen: 49.94 ug/l

RT: 11.20 min Scan# 1083

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 790117

Ion Ratio Lower Upper

105 100

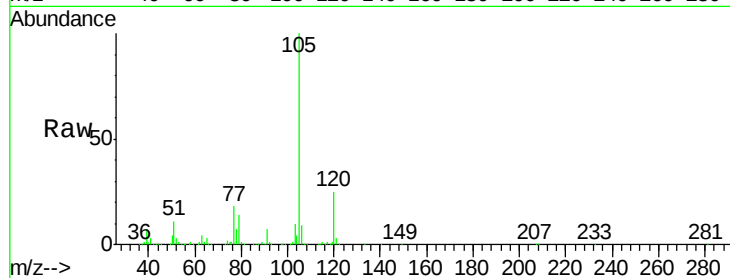
120 25.3 12.3 36.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.20

400000

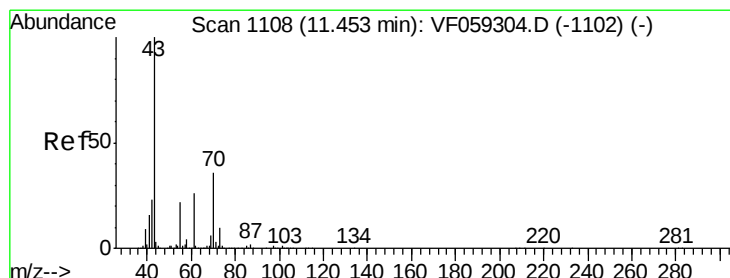
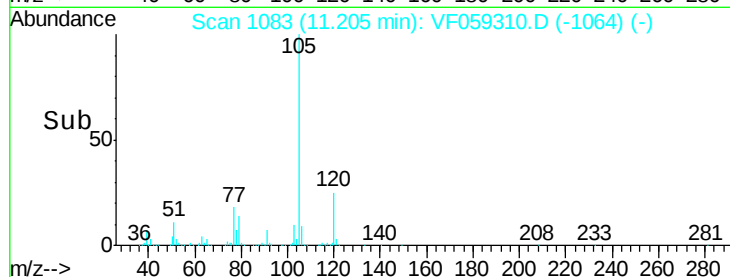
300000

200000

100000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 49.40 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Tgt Ion: 43 Resp: 283591

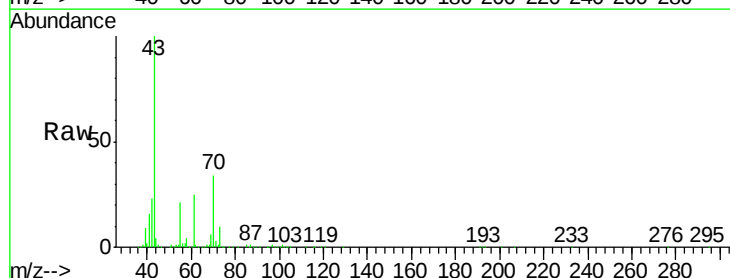
Ion Ratio Lower Upper

43 100

70 33.8 28.8 43.2

55 20.7 17.4 26.0

61 24.5 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

250000

200000

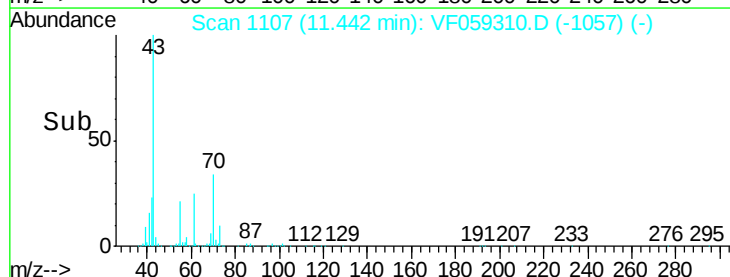
150000

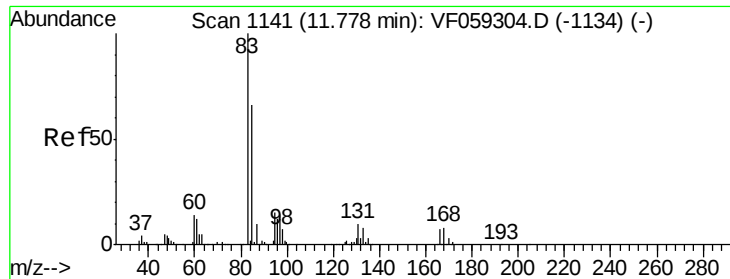
100000

50000

0

Time--> 11.30 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 45.51 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

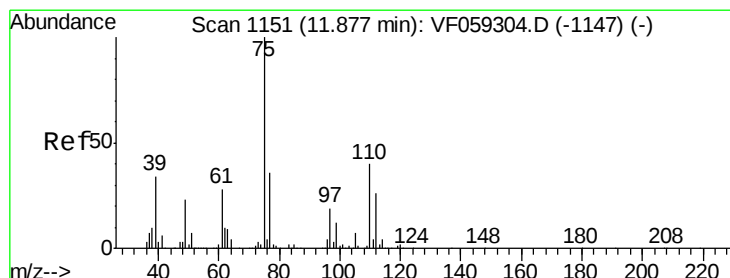
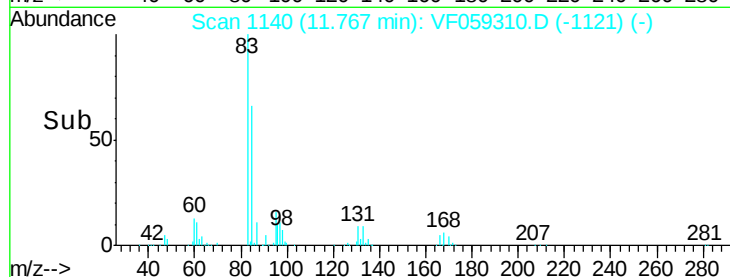
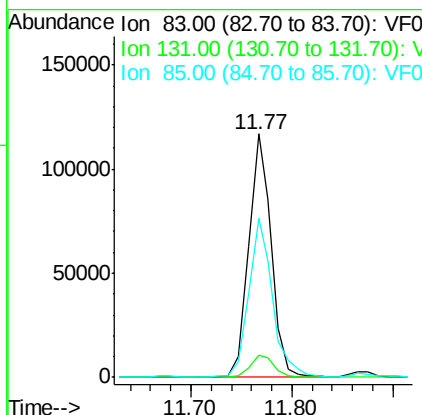
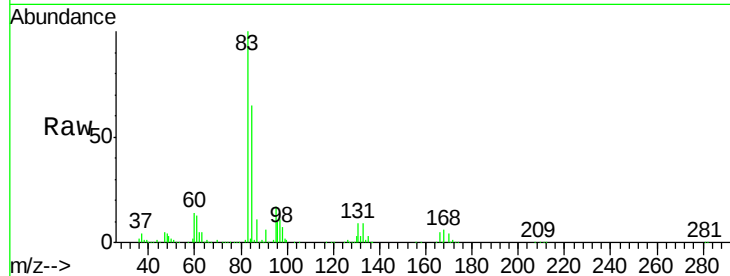
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	181849
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.9	14.6
85	65.4	32.8	98.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.50 ug/l

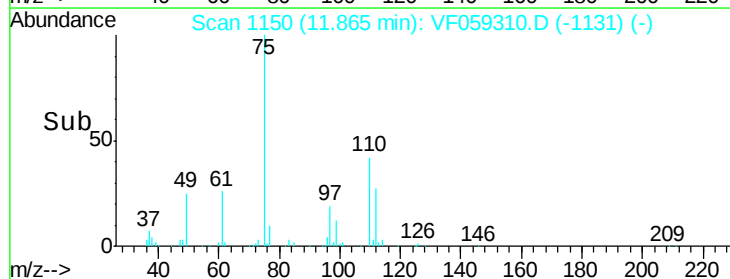
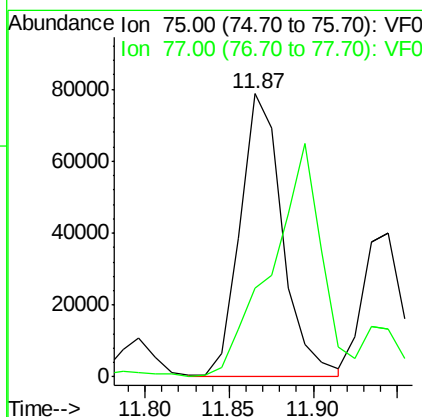
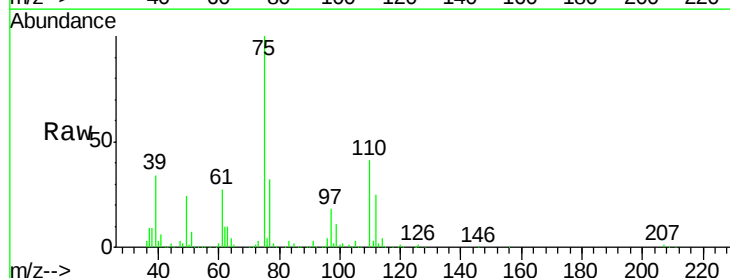
RT: 11.87 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Tgt Ion:	75	Resp:	137134
Ion Ratio	Lower	Upper	
75	100		
77	31.5	18.0	54.0





#77

Bromobenzene

Concen: 48.47 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

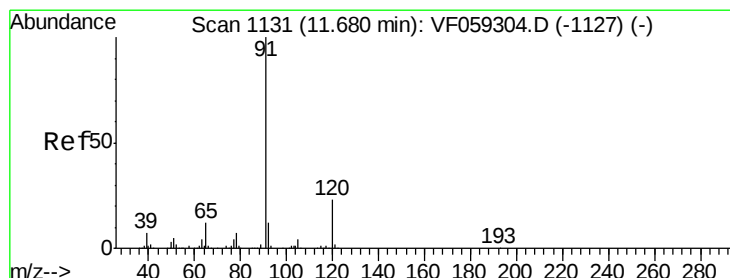
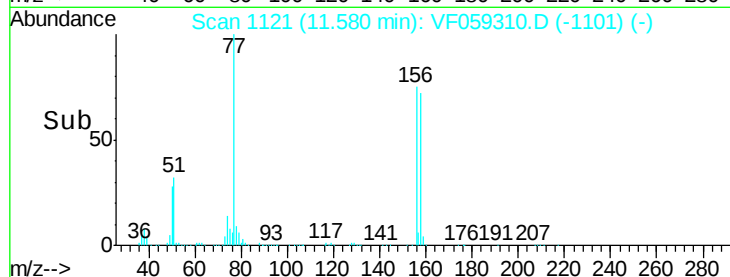
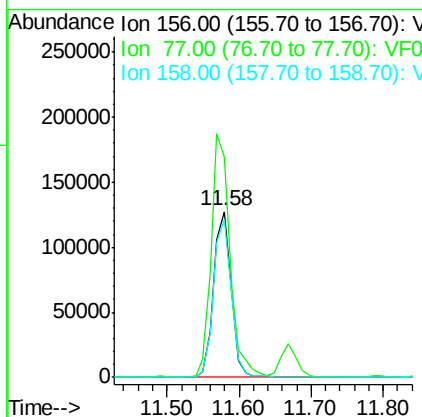
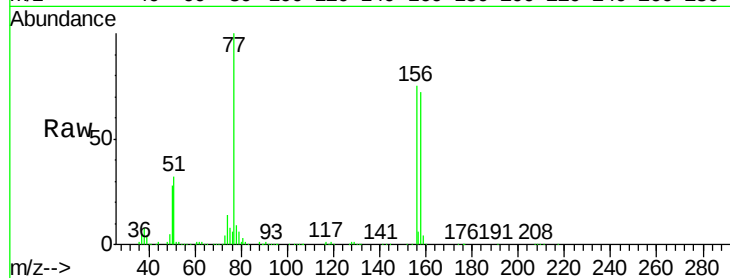
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	133.1	79.7	238.9	
158	95.3	46.2	138.6	

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#78

n-propylbenzene

Concen: 48.25 ug/l

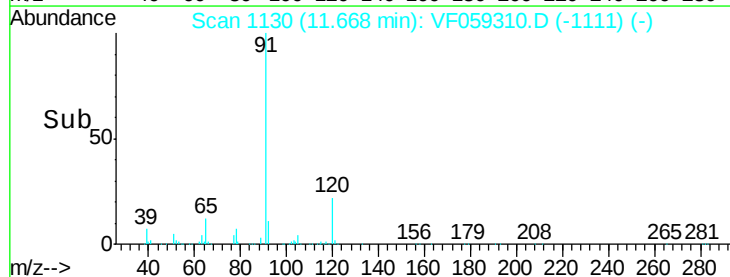
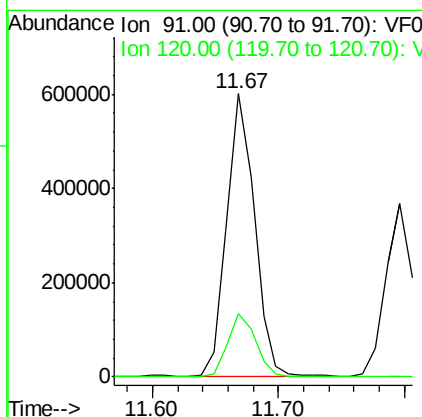
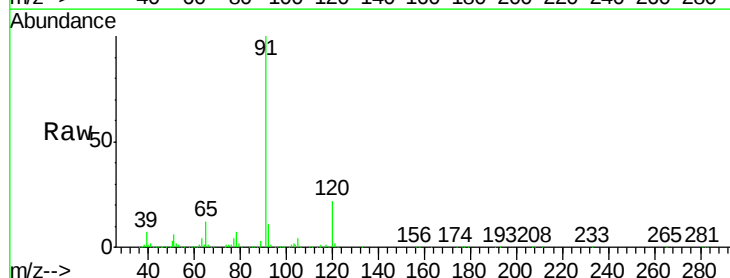
RT: 11.67 min Scan# 1130

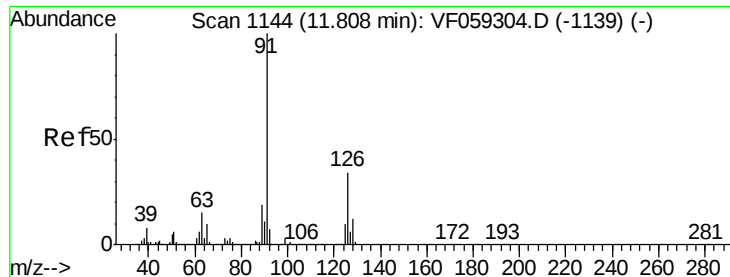
Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.4	11.7	35.0	





#79

2-Chlorotoluene

Concen: 47.89 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 555860

Ion Ratio Lower Upper

91 100

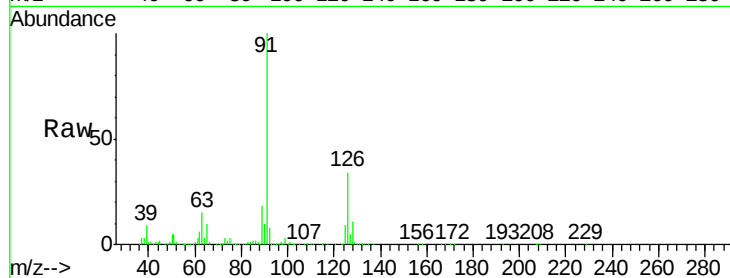
126 33.6 17.2 51.5

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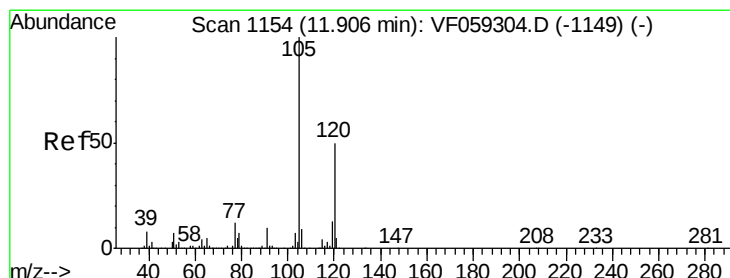
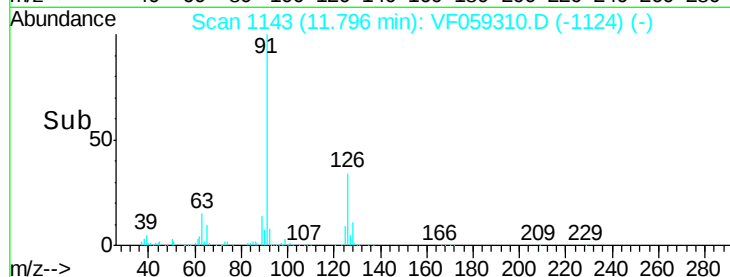
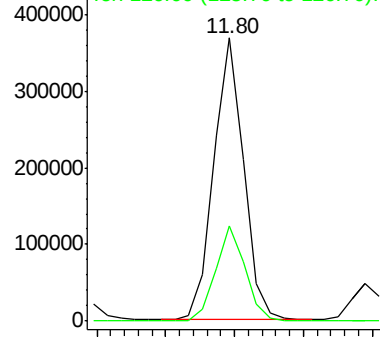
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 48.59 ug/l

RT: 11.89 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059310.D

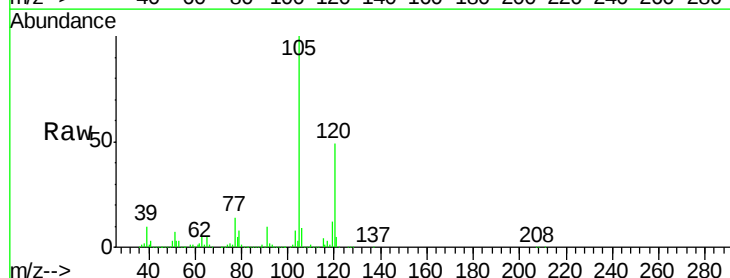
Acq: 26 Jun 2018 11:43

Tgt Ion: 105 Resp: 673355

Ion Ratio Lower Upper

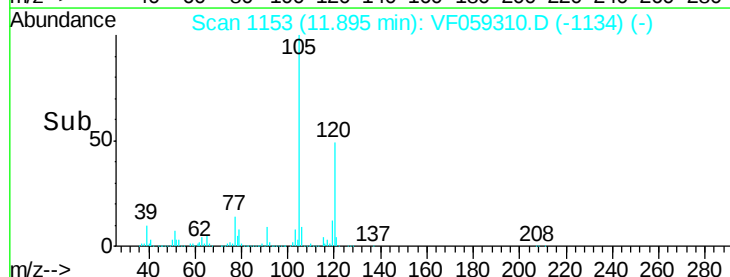
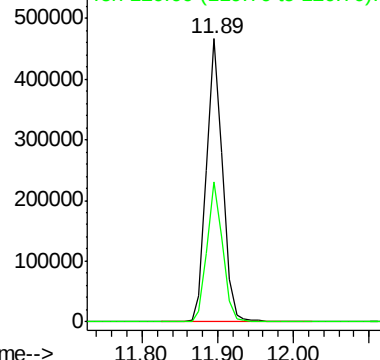
105 100

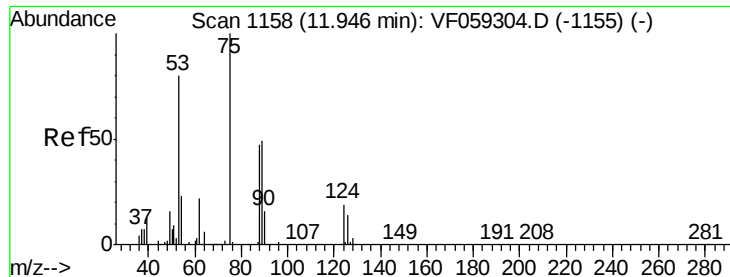
120 49.5 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





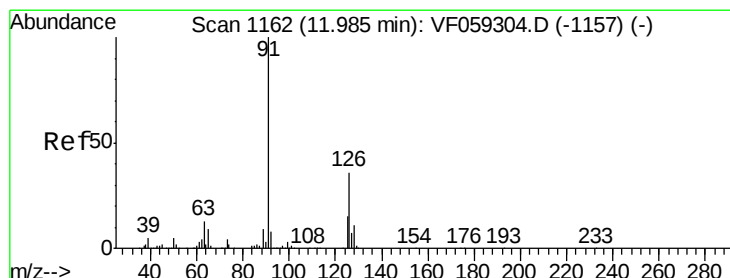
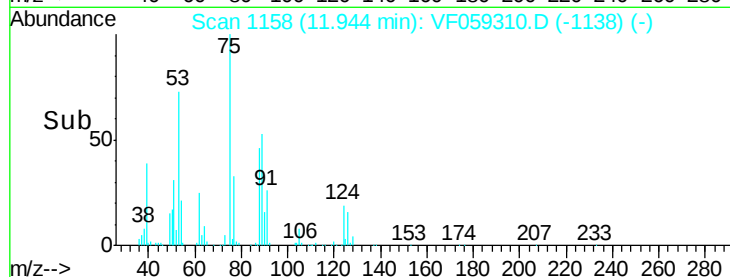
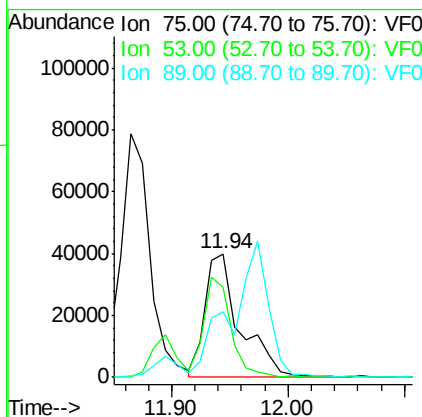
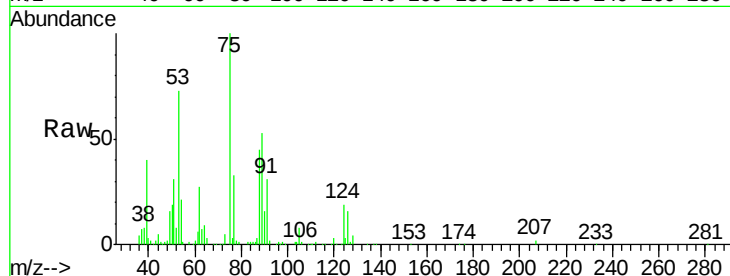
#81
trans-1,4-Dichloro-2-butene
Concen: 46.32 ug/l
RT: 11.94 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	72.9	68.8	103.2
89	53.5	42.0	63.0

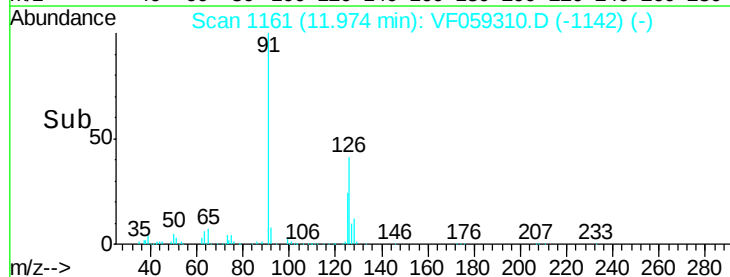
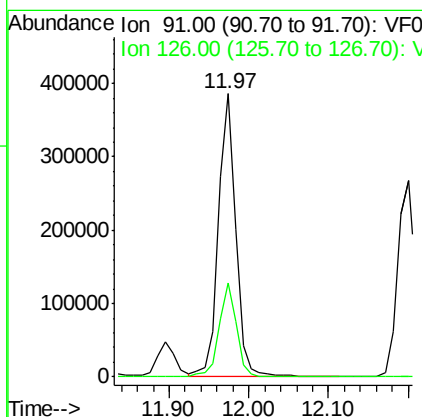
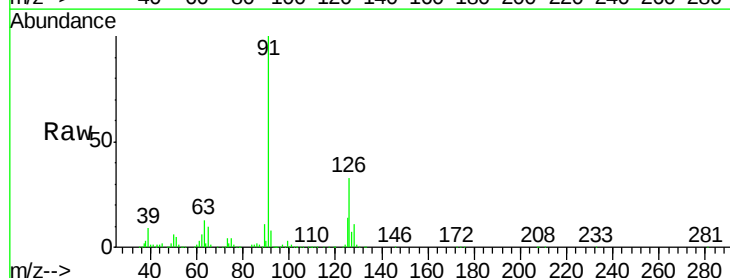
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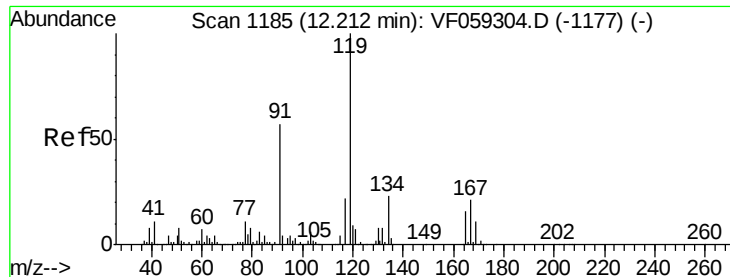
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#82
4-Chlorotoluene
Concen: 47.60 ug/l
RT: 11.97 min Scan# 1161
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.2	18.2	54.6





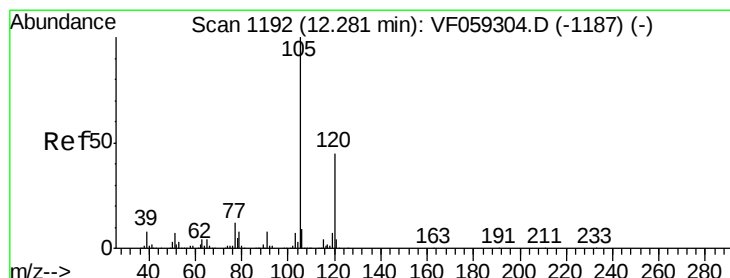
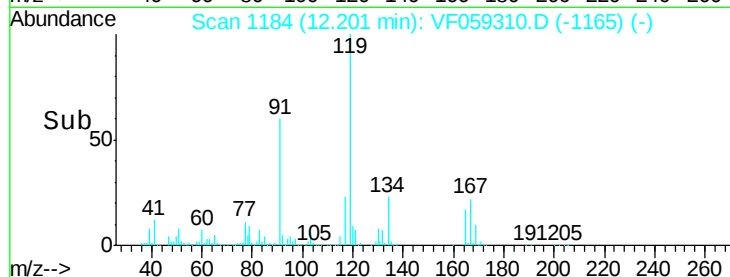
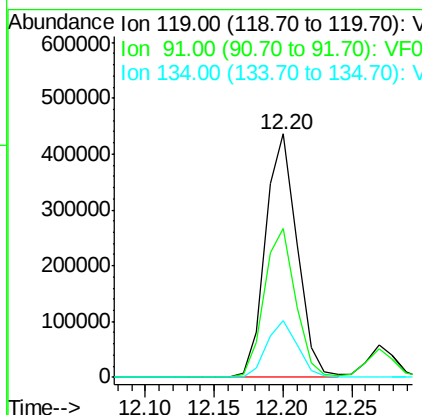
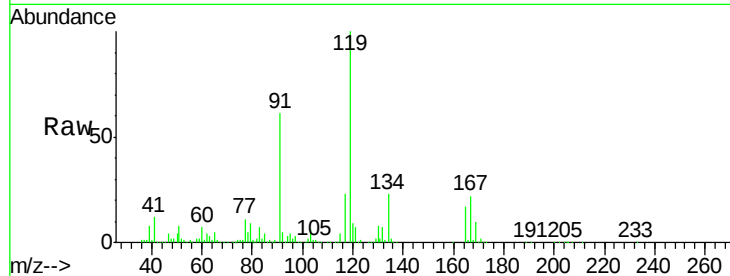
#83
 tert-Butylbenzene
 Concen: 50.23 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059310.D
 Acq: 26 Jun 2018 11:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	696199		
91	61.2	28.4	85.2	
134	23.4	11.7	35.1	

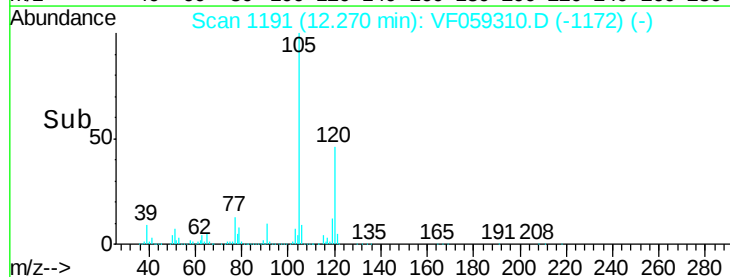
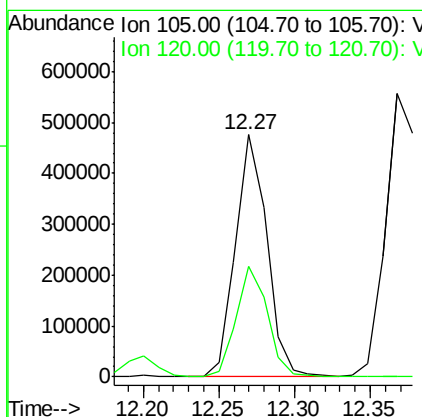
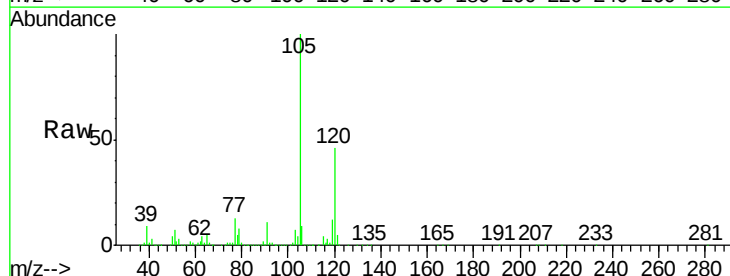
Manual Integrations
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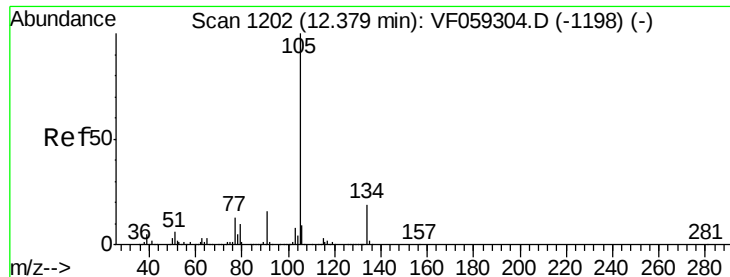
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.06 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF059310.D
 Acq: 26 Jun 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	686916		
120	45.8	22.8	68.4	





#85

sec-Butylbenzene

Concen: 48.03 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 882355

Ion Ratio Lower Upper

105 100

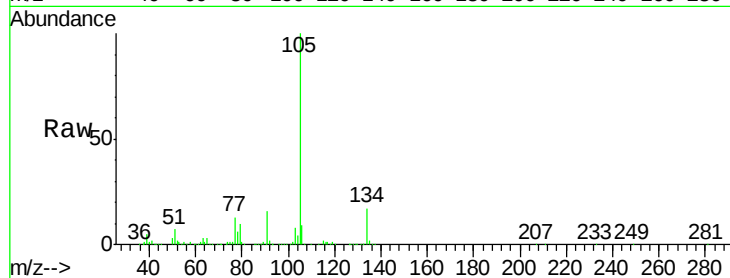
134 16.9 9.4 28.3

Manual Integrations

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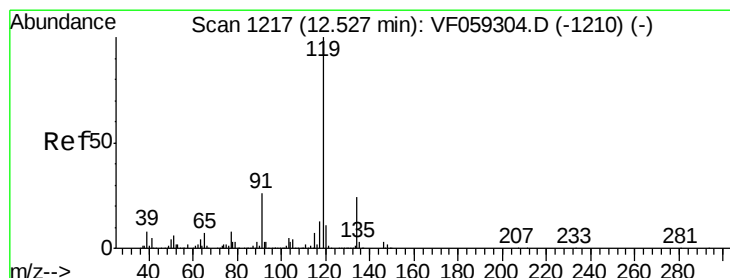
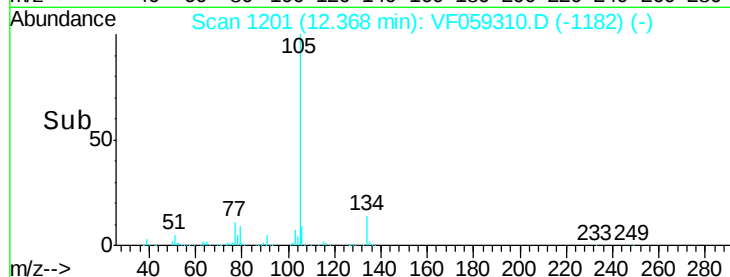
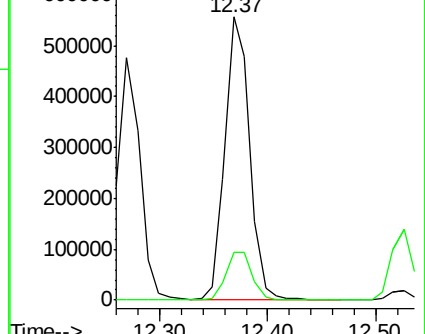
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 49.50 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

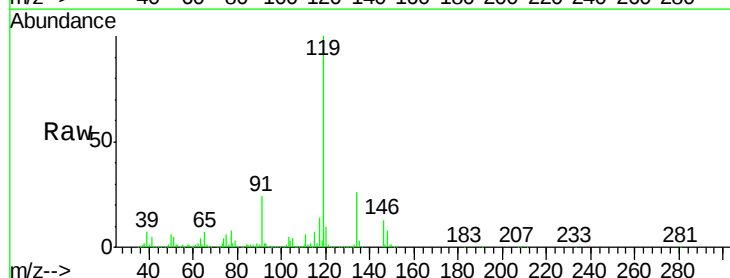
Tgt Ion:119 Resp: 763198

Ion Ratio Lower Upper

119 100

134 25.9 12.2 36.4

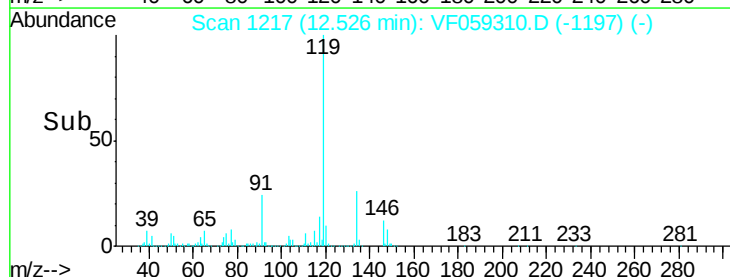
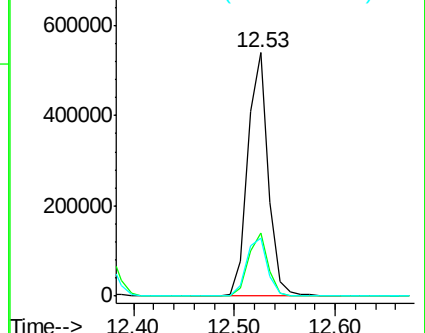
91 24.1 12.9 38.6

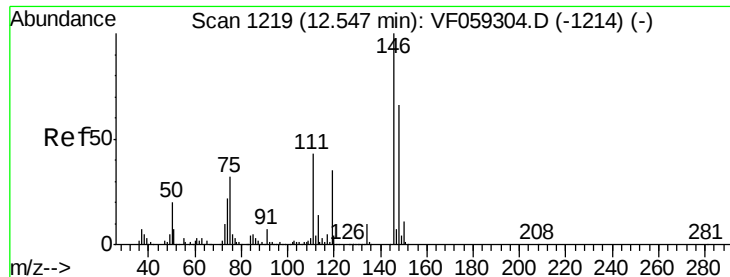


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





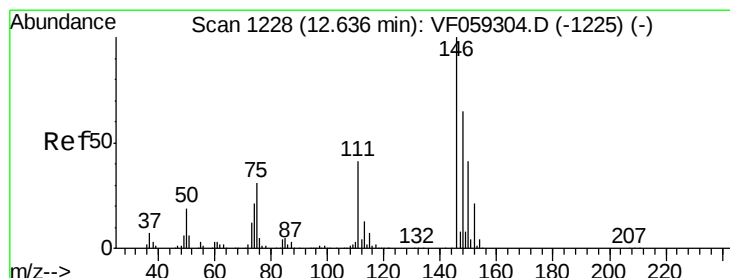
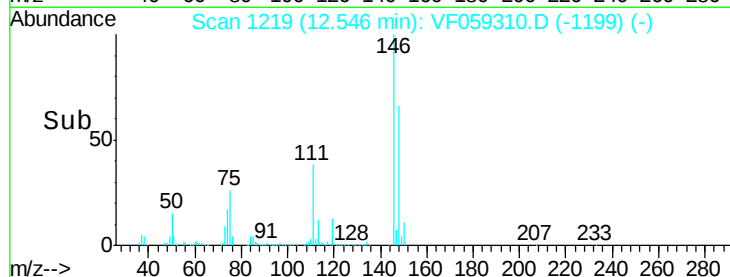
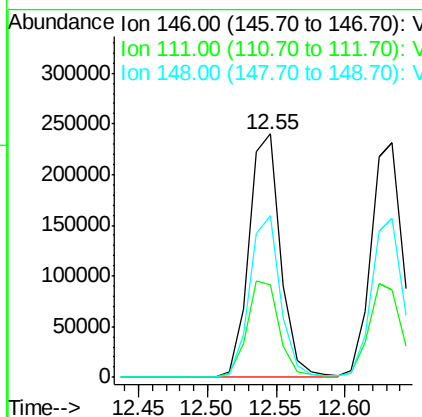
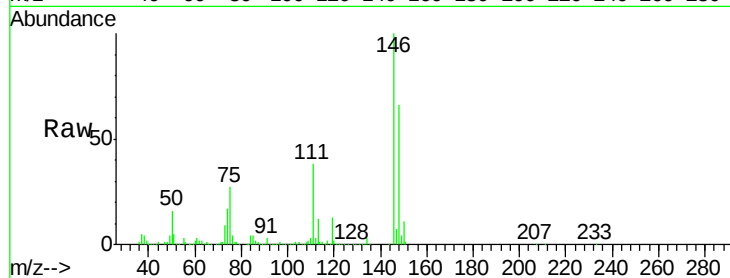
#87
 1,3-Dichlorobenzene
 Concen: 53.79 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059310.D
 Acq: 26 Jun 2018 11:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	21.4	64.2
148	66.2	32.8	98.4

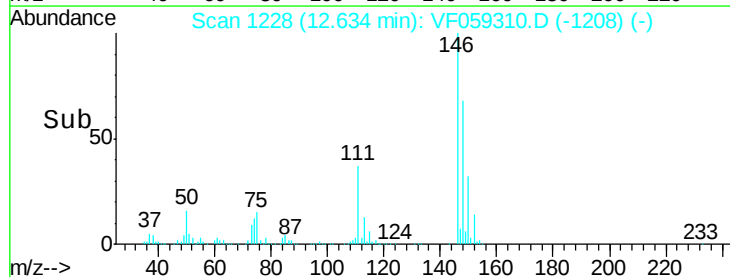
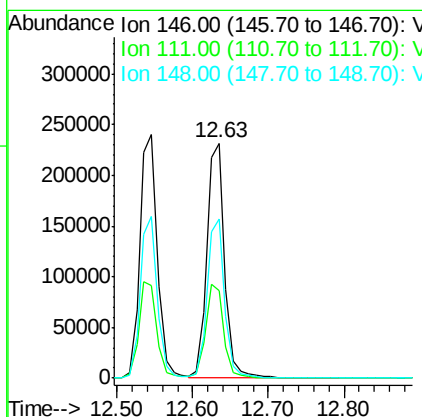
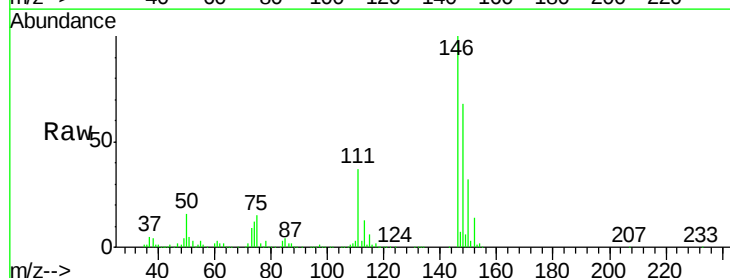
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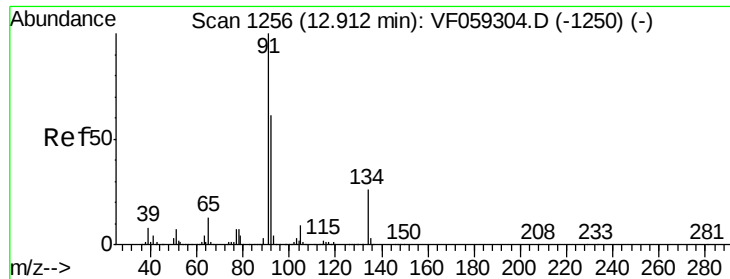
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#88
 1,4-Dichlorobenzene
 Concen: 48.47 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059310.D
 Acq: 26 Jun 2018 11:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	20.7	62.1
148	67.5	32.8	98.3





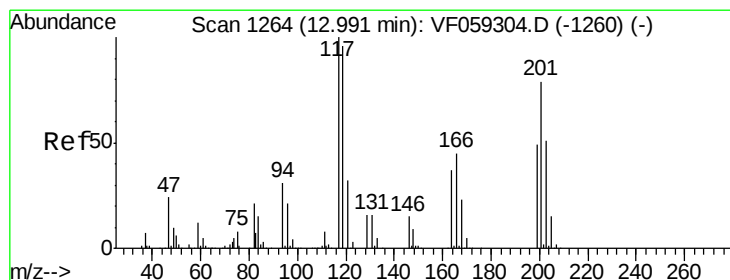
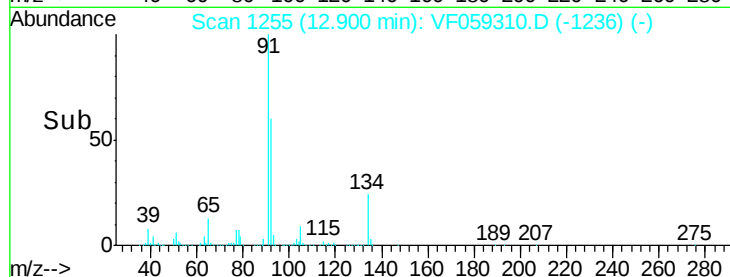
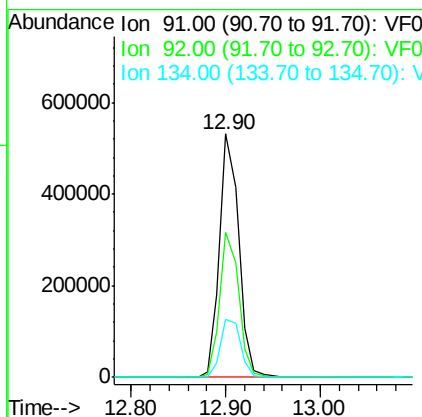
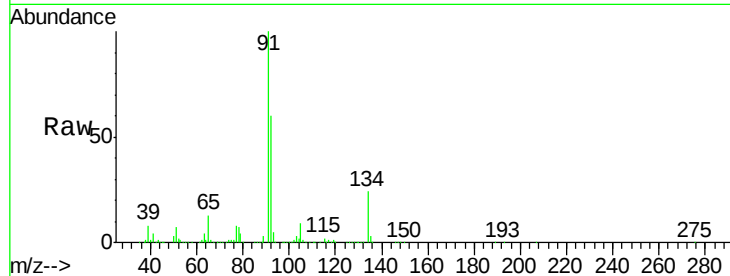
#89
n-Butylbenzene
Concen: 48.12 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.6	30.3	91.0
134	24.1	12.9	38.7

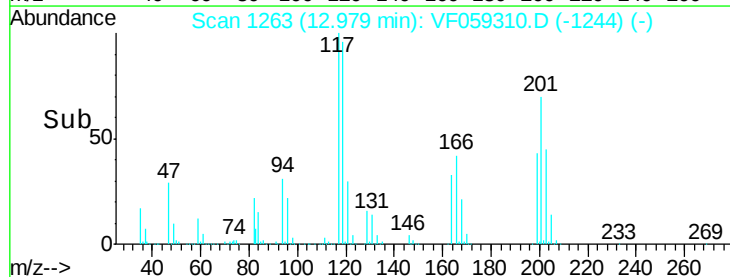
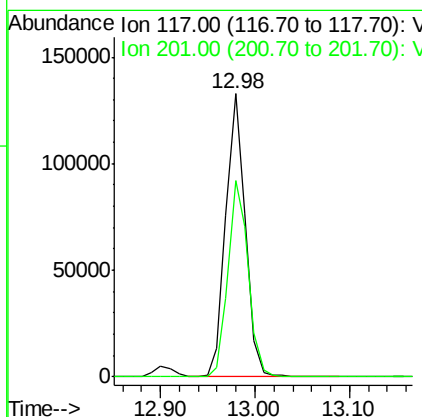
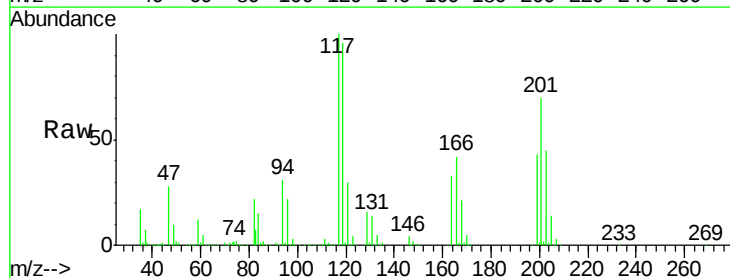
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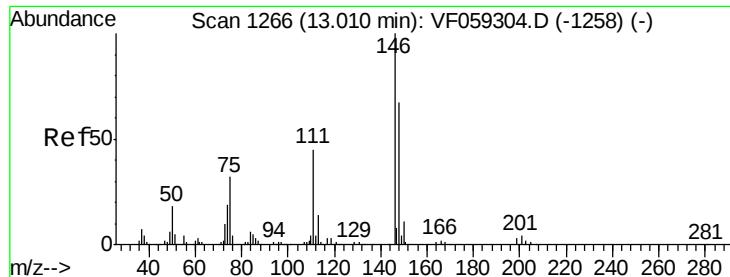
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#90
Hexachloroethane
Concen: 49.39 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.6	39.5	118.5





#91

1,2-Dichlorobenzene

Concen: 47.38 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Instrument :

MSVOA_F

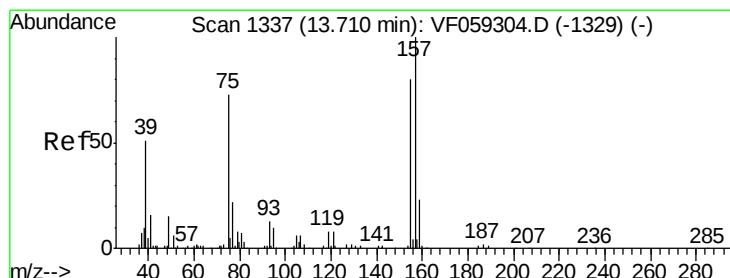
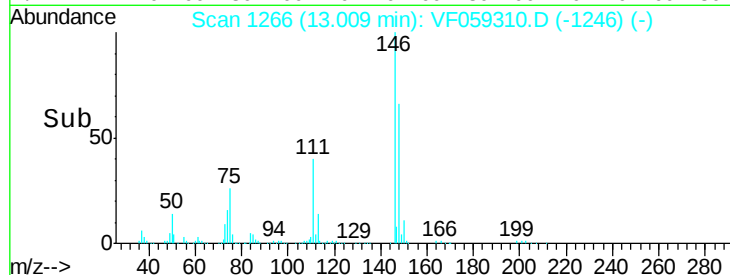
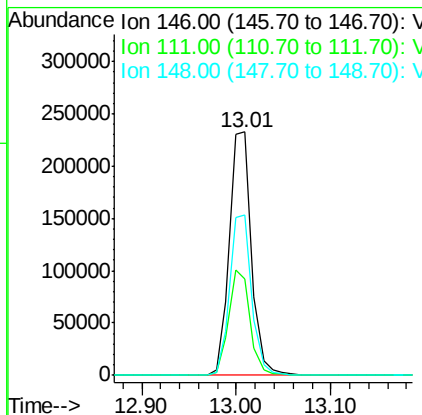
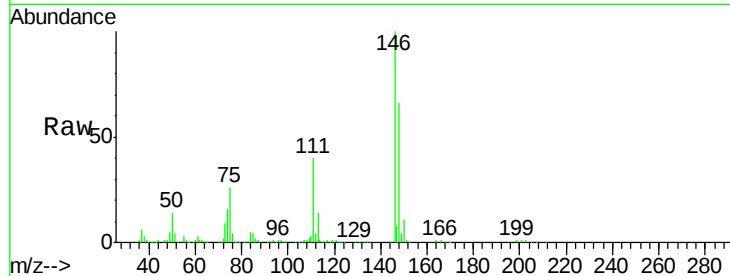
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	377552
Ion	Ratio	Lower	Upper
146	100		
111	39.7	22.7	68.0
148	66.1	33.5	100.4

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 46.67 ug/l

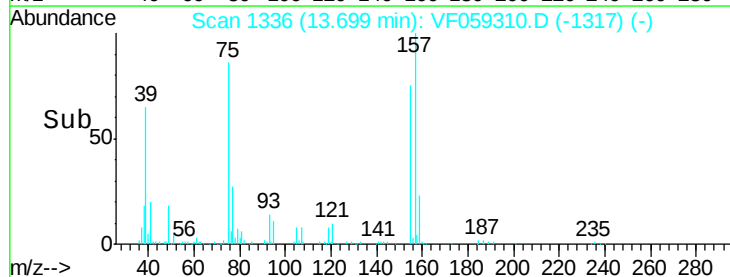
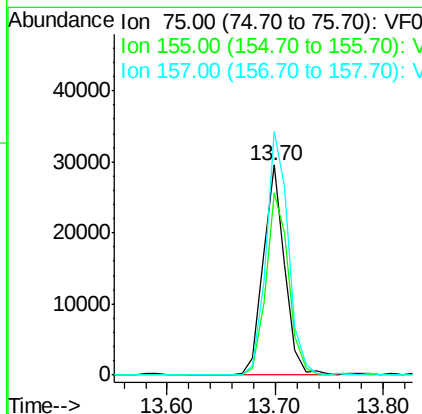
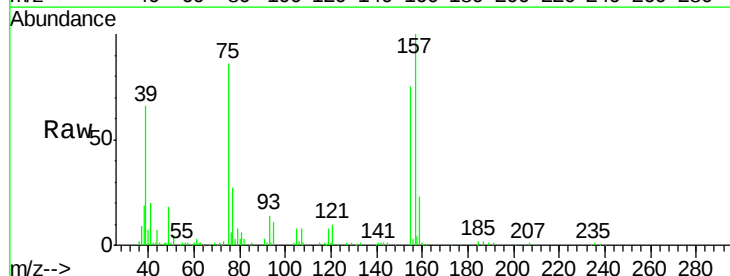
RT: 13.70 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VF059310.D

Acq: 26 Jun 2018 11:43

Tgt Ion:	75	Resp:	41336
Ion	Ratio	Lower	Upper
75	100		
155	86.8	54.6	163.8
157	116.0	68.7	205.9





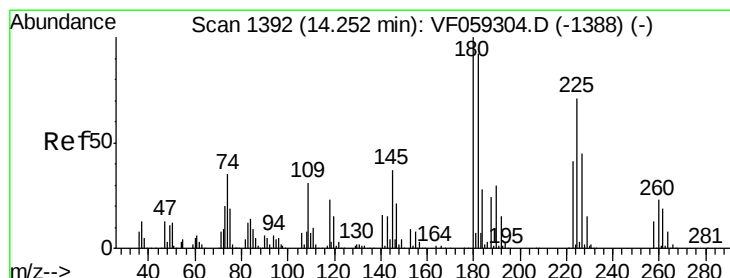
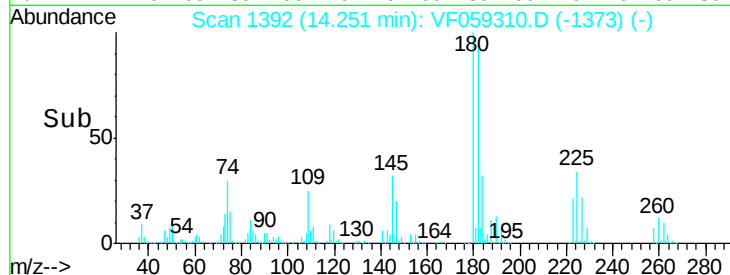
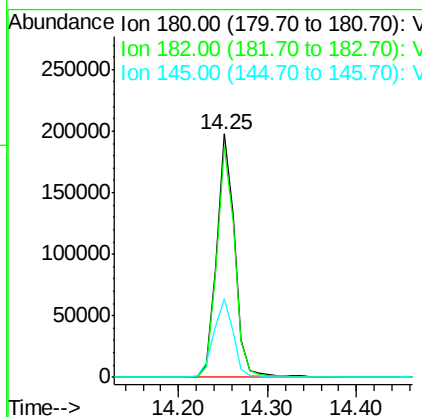
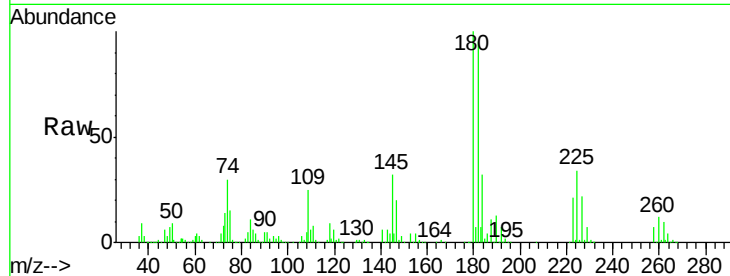
#93
 1,2,4-Trichlorobenzene
 Concen: 47.65 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059310.D
 Acq: 26 Jun 2018 11:43

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	280724		
182	95.0	48.1	144.3	
145	32.2	15.3	45.8	

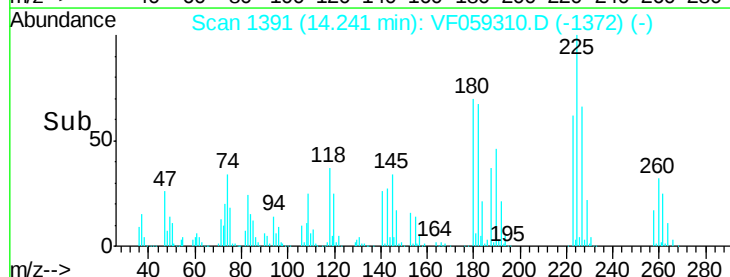
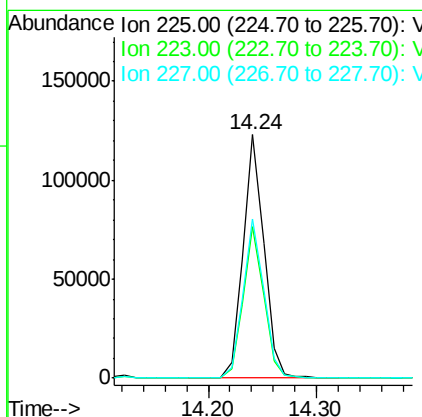
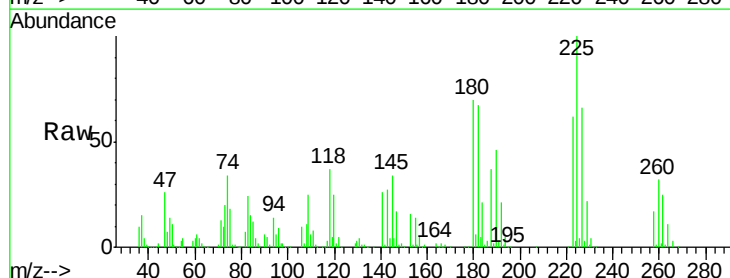
Manual Integrations
 APPROVED

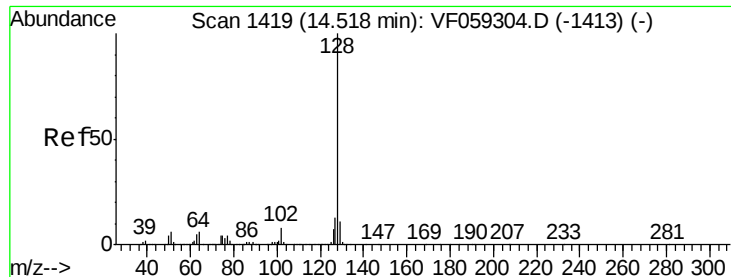
apatel
 6/27/2018 1:59:34 PM



#94
 Hexachlorobutadiene
 Concen: 50.09 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VF059310.D
 Acq: 26 Jun 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	164842		
223	62.2	28.9	86.8	
227	65.6	31.3	93.8	





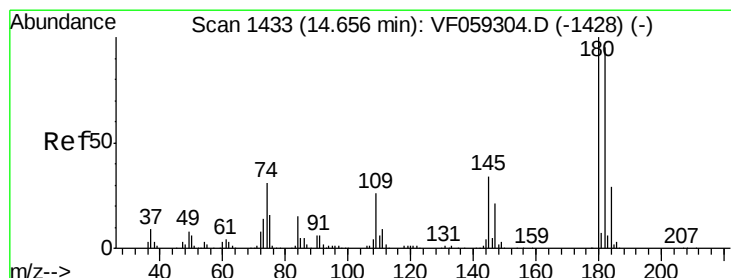
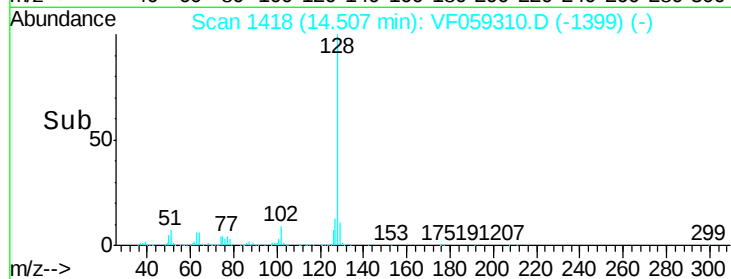
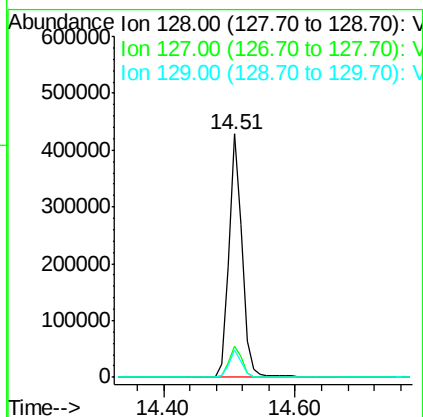
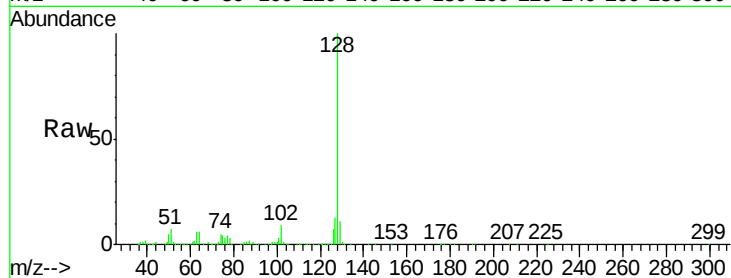
#95
Naphthalene
Concen: 48.85 ug/l
RT: 14.51 min Scan# 1418
Delta R.T. -0.01 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	602191		
127	12.6		10.1	15.1
129	11.3		8.8	13.2

Manual Integrations
APPROVED

apatel
6/27/2018 1:59:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.38 ug/l
RT: 14.65 min Scan# 1433
Delta R.T. -0.00 min
Lab File: VF059310.D
Acq: 26 Jun 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	270062		
182	95.8		47.5	142.5
145	32.7		17.0	50.9

