

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF070218\
 Data File : VF059383.D
 Acq On : 2 Jul 2018 13:05
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 7/3/2018 10:34:26 AM

Quant Time: Jul 03 01:17:09 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	5.03	168	272188	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	413604	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	423978	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	257416	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.00	65	168589	47.94	ug/l	-0.01
Spiked Amount						
			Recovery	=	95.88%	
35) Dibromofluoromethane	4.28	113	142670	47.21	ug/l	0.00
Spiked Amount						
			Recovery	=	94.42%	
50) Toluene-d8	7.69	98	349581	46.72	ug/l	-0.01
Spiked Amount						
			Recovery	=	93.44%	
62) 4-Bromofluorobenzene	11.49	95	194348	46.05	ug/l	-0.01
Spiked Amount						
			Recovery	=	92.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.98	85	110879	44.59	ug/l	99
3) Chloromethane	1.08	50	67534	40.42	ug/l	99
4) Vinyl Chloride	1.14	62	74899	45.55	ug/l	98
5) Bromomethane	1.34	94	46282	50.27	ug/l	99
6) Chloroethane	1.42	64	35596	42.98	ug/l	94
7) Trichlorofluoromethane	1.48	101	171239m	52.66	ug/l	
8) Diethyl Ether	1.69	74	38974	46.74	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	1.89	101	82404	43.41	ug/l	100
10) Methyl Iodide	1.96	142	151250	43.70	ug/l	98
11) Tert butyl alcohol	2.67	59	60286	257.51	ug/l	95
12) 1,1-Dichloroethene	1.85	96	77632	48.38	ug/l	82
13) Acrolein	2.08	56	34720	316.14	ug/l	96
14) Allyl chloride	2.18	41	151916	50.43	ug/l	93
15) Acrylonitrile	3.06	53	113070	274.26	ug/l	97
16) Acetone	2.32	43	270041	309.91	ug/l	98
17) Carbon Disulfide	1.87	76	164902m	43.69	ug/l	
18) Methyl Acetate	2.44	43	96315	60.94	ug/l	99
19) Methyl tert-butyl Ether	2.52	73	302481	50.53	ug/l	93
20) Methylene Chloride	2.30	84	94425m	47.51	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	79192	46.26	ug/l	93
22) Diisopropyl ether	2.92	45	337060	50.53	ug/l	97
23) Vinyl Acetate	3.31	43	1087589	256.01	ug/l	98
24) 1,1-Dichloroethane	2.99	63	201185	48.64	ug/l	100
25) 2-Butanone	4.49	43	303064	285.27	ug/l	97
26) 2,2-Dichloropropane	3.74	77	143168	50.19	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	123259	47.43	ug/l	91
28) Bromochloromethane	3.86	49	81648	51.54	ug/l	94
29) Tetrahydrofuran	4.23	42	125492	278.46	ug/l	98
30) Chloroform	4.01	83	287667	48.05	ug/l	97
31) Cyclohexane	3.84	56	122388	45.17	ug/l	95
32) 1,1,1-Trichloroethane	4.26	97	206245	47.07	ug/l	97
36) 1,1-Dichloropropene	4.43	75	178671	49.45	ug/l	97
37) Ethyl Acetate	4.27	43	133933	58.19	ug/l	91
38) Carbon Tetrachloride	4.15	117	246554	54.07	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.60	83	150215	46.92	ug/l	95
40) Benzene	4.79	78	372188	46.46	ug/l	98
41) Methacrylonitrile	4.91	41	61730	50.09	ug/l	98
42) 1,2-Dichloroethane	5.09	62	236605	50.54	ug/l	99
43) Isopropyl Acetate	7.09	43	158840	52.78	ug/l #	96
44) Trichloroethene	5.65	130	128777	46.86	ug/l	99
45) 1,2-Dichloropropane	6.39	63	114607	50.07	ug/l	99
46) Dibromomethane	6.23	93	102203	51.45	ug/l	95
47) Bromodichloromethane	6.52	83	249111	51.80	ug/l	96
48) Methyl methacrylate	6.85	41	109058	54.07	ug/l	93
49) 1,4-Dioxane	6.84	88	12993	1216.47	ug/l	94
51) 4-Methyl-2-Pentanone	8.39	43	598979	268.64	ug/l	100
52) Toluene	7.76	92	278309	46.43	ug/l	97
53) t-1,3-Dichloropropene	8.41	75	227581	51.92	ug/l	97
54) cis-1,3-Dichloropropene	7.43	75	239573	50.32	ug/l	99
55) 1,1,2-Trichloroethane	8.61	97	121541	52.22	ug/l	95
56) Ethyl methacrylate	8.74	69	148799	51.61	ug/l	97
57) 1,3-Dichloropropane	8.98	76	205852	51.57	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.76	63	52951	244.87	ug/l	100
59) 2-Hexanone	9.61	43	479827	289.10	ug/l	99
60) Dibromochloromethane	8.84	129	190782	53.09	ug/l	94
61) 1,2-Dibromoethane	9.12	107	142567	50.51	ug/l	98
64) Tetrachloroethene	8.29	164	127936	46.53	ug/l	96
65) Chlorobenzene	9.92	112	371786	47.32	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	166730	49.07	ug/l	98
67) Ethyl Benzene	10.02	91	633789	47.55	ug/l	98
68) m/p-Xylenes	10.25	106	444775	93.76	ug/l	97
69) o-Xylene	10.81	106	257087	48.45	ug/l	99
70) Styrene	10.89	104	386801	47.86	ug/l	98
71) Bromoform	10.87	173	124297	53.37	ug/l #	97
73) Isopropylbenzene	11.22	105	726975	48.48	ug/l	96
74) N-amyl acetate	11.45	43	280609	51.56	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.77	83	194038	51.23	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	144335	50.52	ug/l	99
77) Bromobenzene	11.58	156	203250	48.85	ug/l	89
78) n-propylbenzene	11.67	91	821085	45.59	ug/l	95
79) 2-Chlorotoluene	11.80	91	521049	47.35	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	640166	48.73	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	87828	51.65	ug/l	97
82) 4-Chlorotoluene	11.97	91	561264	47.62	ug/l	93
83) tert-Butylbenzene	12.20	119	632783	48.16	ug/l	96
84) 1,2,4-Trimethylbenzene	12.27	105	657525	47.53	ug/l	98
85) sec-Butylbenzene	12.38	105	834201	47.90	ug/l	98
86) p-Isopropyltoluene	12.53	119	695182	47.57	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	339006	49.29	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	354964	47.77	ug/l	98
89) n-Butylbenzene	12.91	91	712646	48.03	ug/l	98
90) Hexachloroethane	12.98	117	181180	49.74	ug/l	80
91) 1,2-Dichlorobenzene	13.01	146	351845	46.58	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.70	75	44177	52.62	ug/l	68

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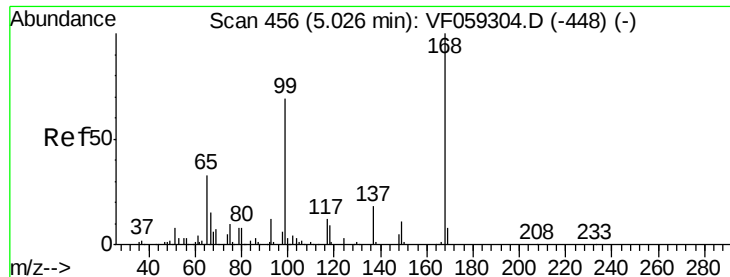
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	283798	50.81	ug/l	99
94) Hexachlorobutadiene	14.25	225	171703	55.04	ug/l	97
95) Naphthalene	14.52	128	629941	53.91	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	273563	51.71	ug/l	98

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



#1

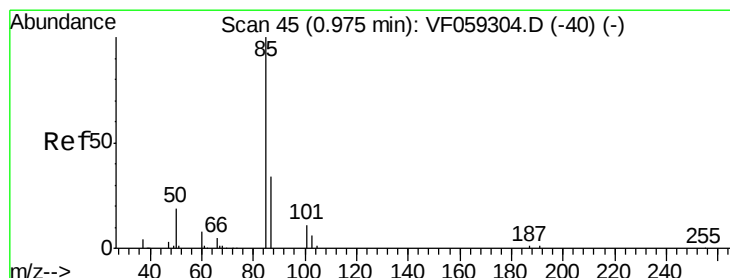
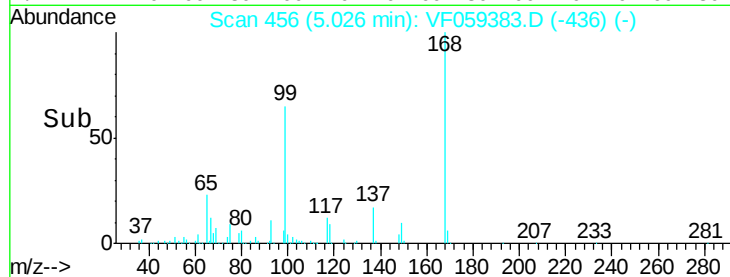
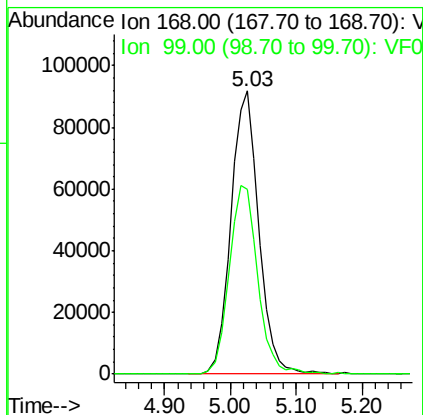
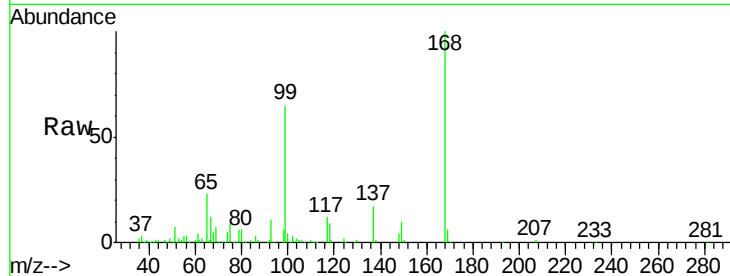
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VF059383.D
 Acq: 2 Jul 2018 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	65.2	54.9	82.3

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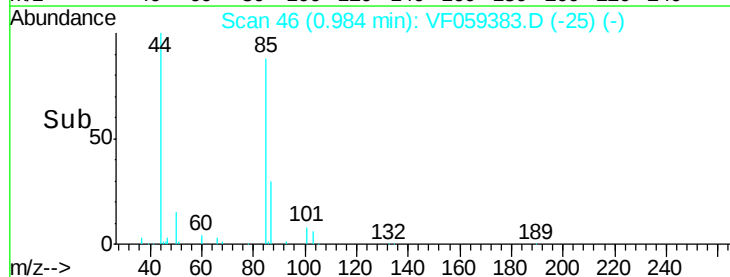
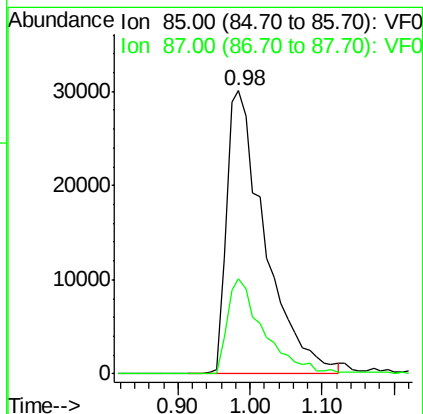
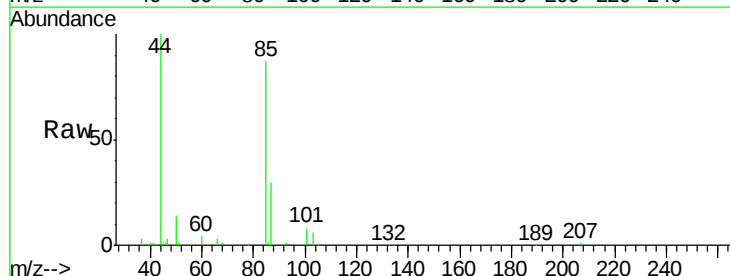
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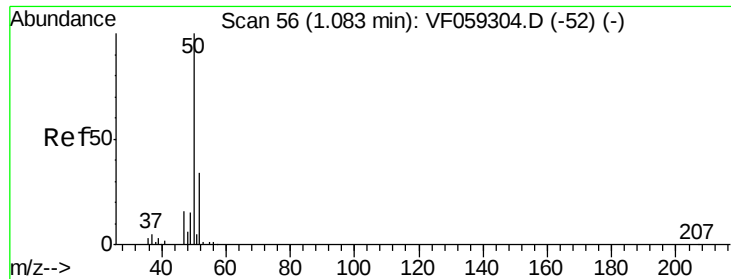


#2

Dichlorodifluoromethane
 Concen: 44.59 ug/l
 RT: 0.98 min Scan# 46
 Delta R.T. 0.01 min
 Lab File: VF059383.D
 Acq: 2 Jul 2018 13:05

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.9	17.1	51.3





#3

Chloromethane

Concen: 40.42 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 67534

Ion Ratio Lower Upper

50 100

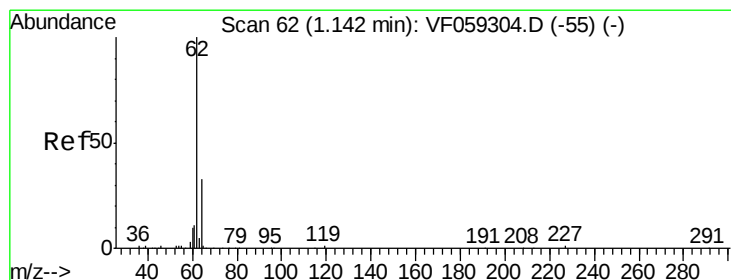
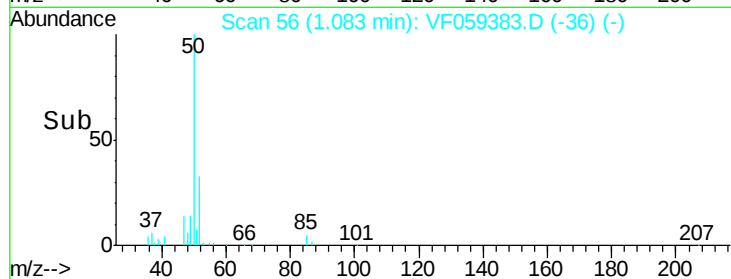
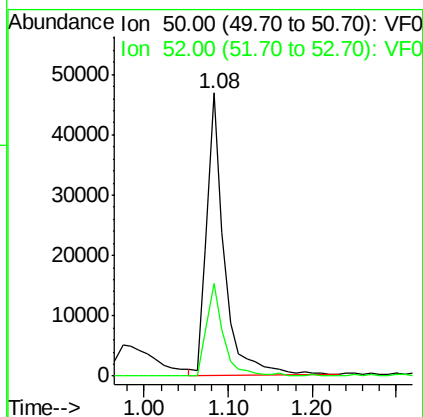
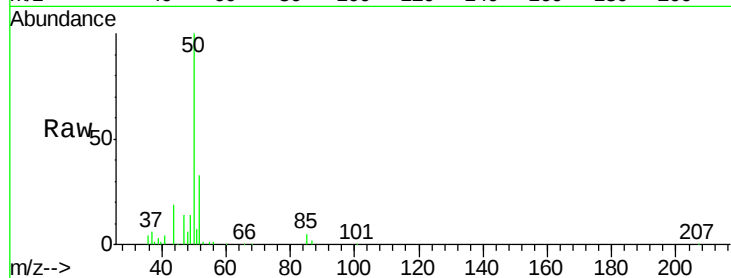
52 32.9 26.7 40.1

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#4

Vinyl Chloride

Concen: 45.55 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059383.D

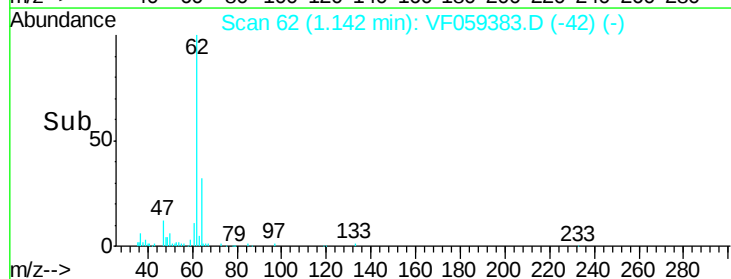
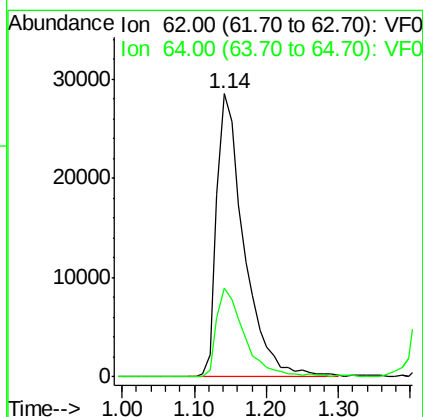
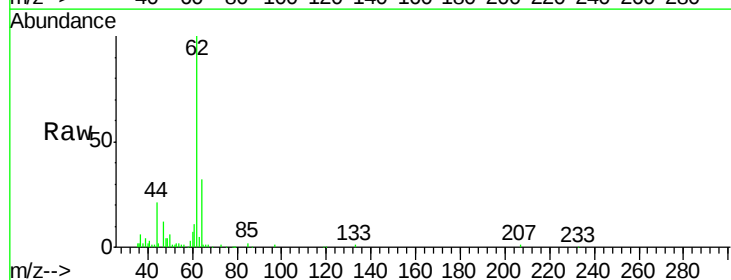
Acq: 2 Jul 2018 13:05

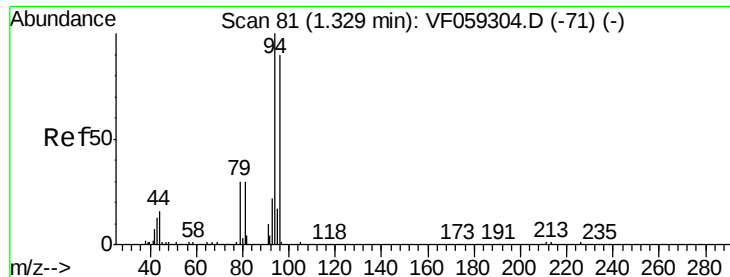
Tgt Ion: 62 Resp: 74899

Ion Ratio Lower Upper

62 100

64 31.6 26.3 39.5





#5

Bromomethane

Concen: 50.27 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.01 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 46282

Ion Ratio Lower Upper

94 100

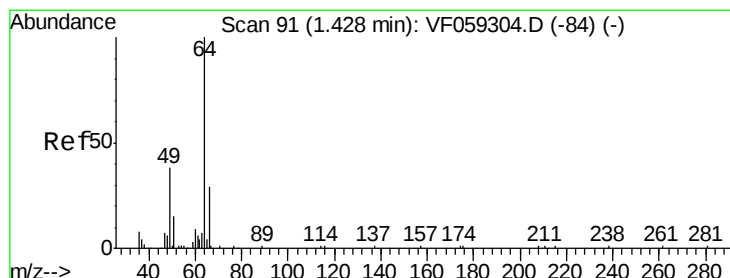
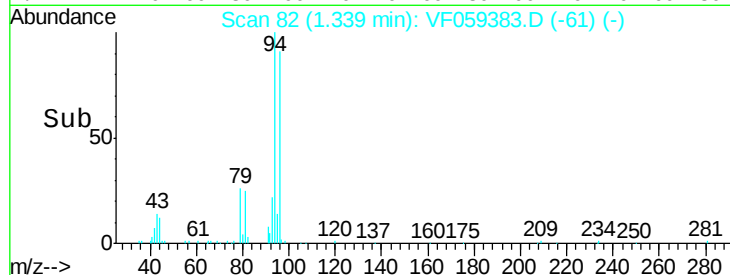
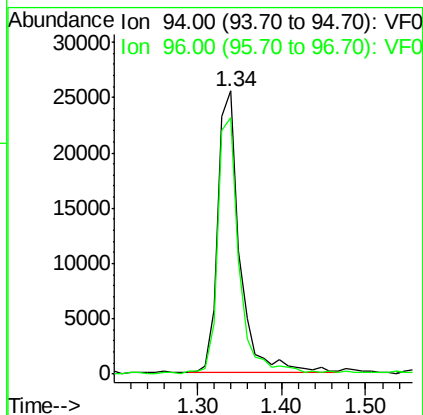
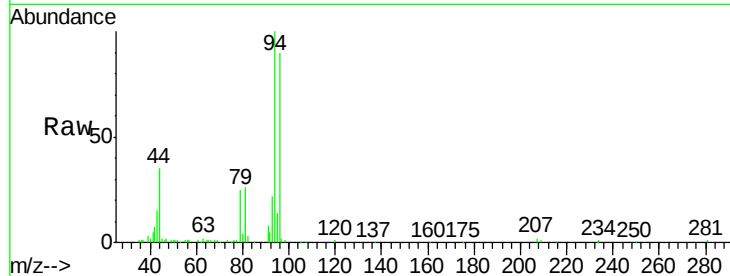
96 90.5 73.4 110.0

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#6

Chloroethane

Concen: 42.98 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059383.D

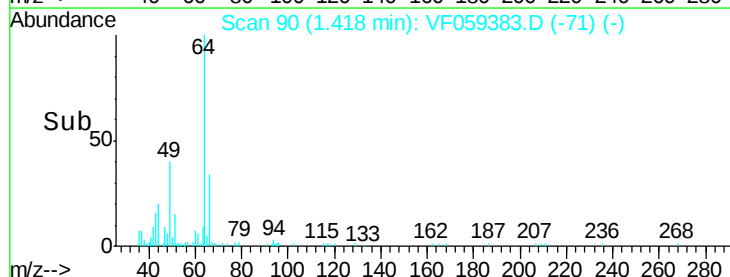
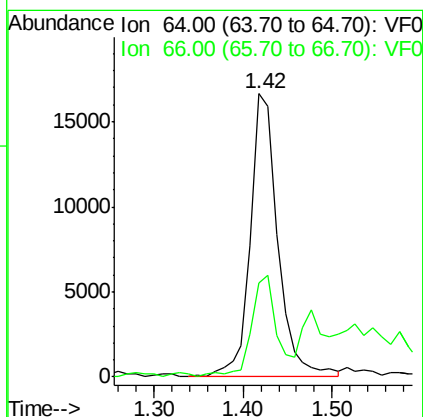
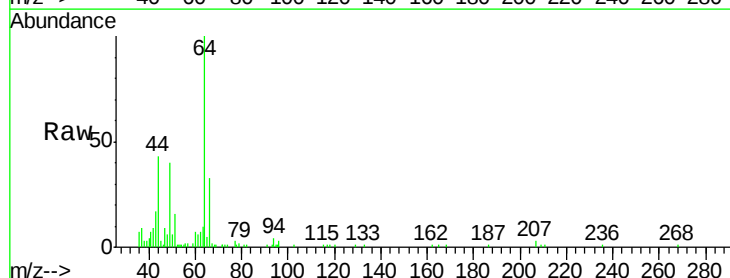
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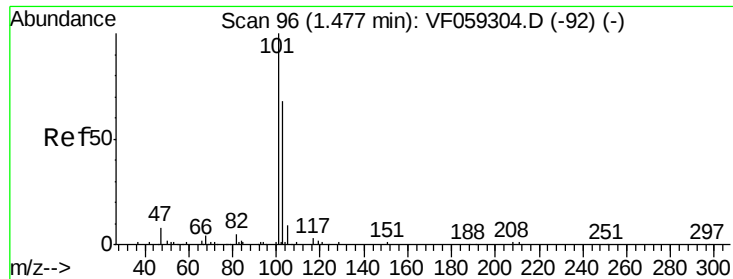
Tgt Ion: 64 Resp: 35596

Ion Ratio Lower Upper

64 100

66 33.0 23.9 35.9





#7

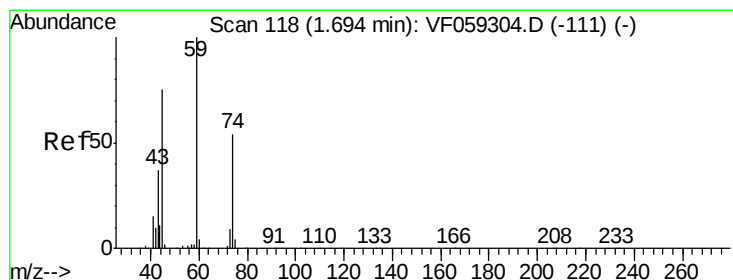
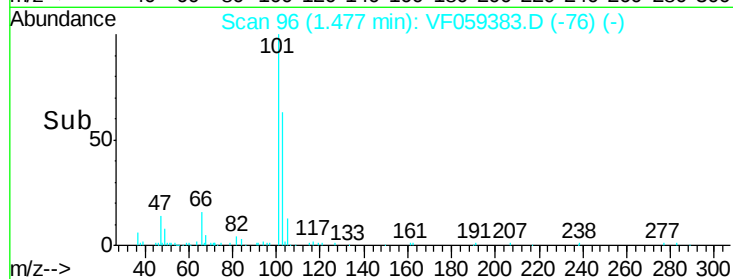
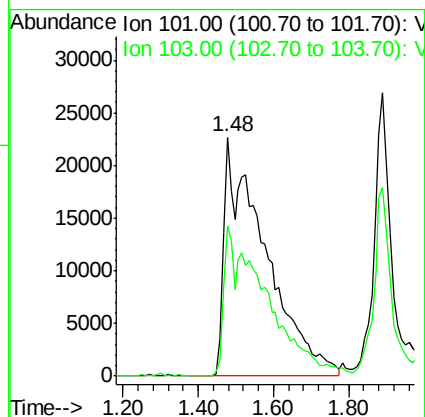
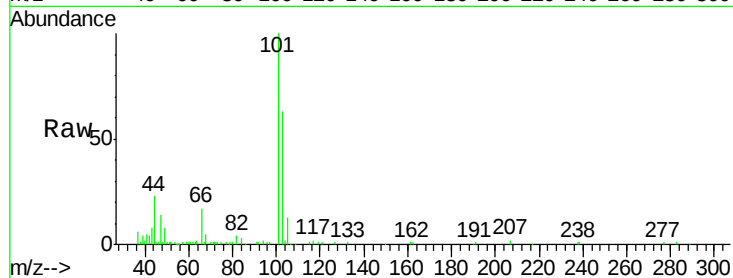
Trichlorofluoromethane
Concen: 52.66 ug/l m
RT: 1.48 min Scan# 96
Delta R.T. -0.00 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	54.2	81.2

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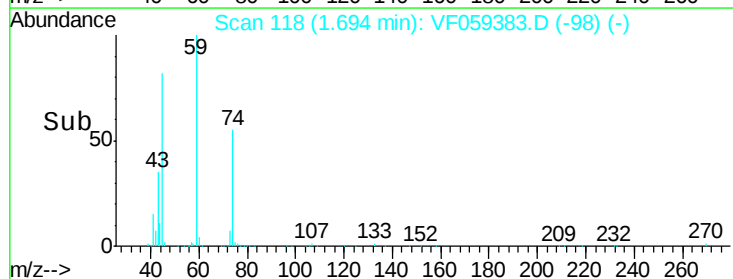
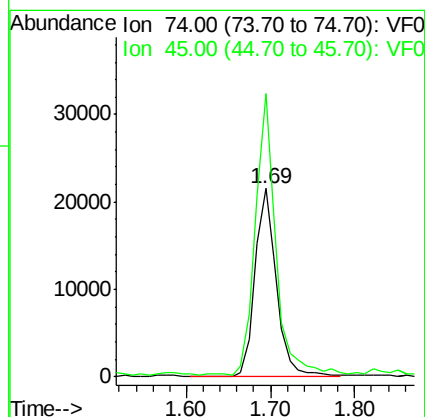
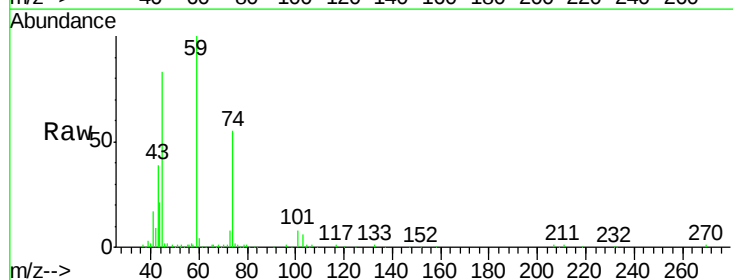
apatel
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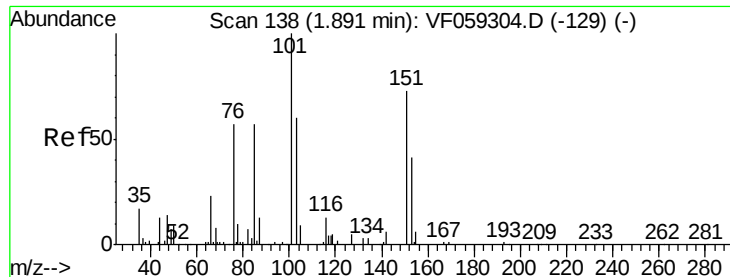


#8

Diethyl Ether
Concen: 46.74 ug/l
RT: 1.69 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	150.3	70.0	210.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.41 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

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MSVOA_F

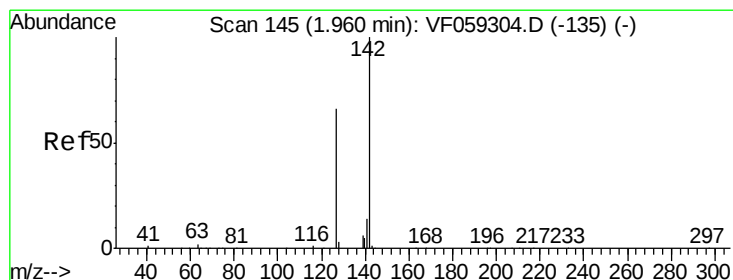
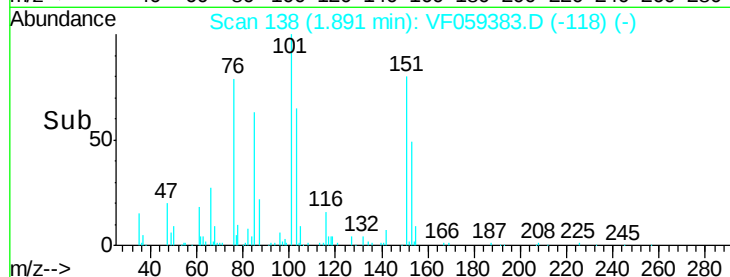
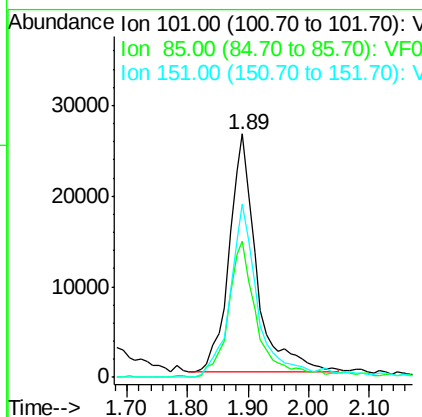
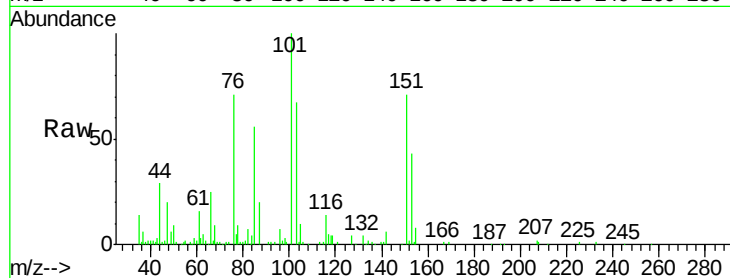
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	82404
Ion Ratio	Lower	Upper	
101	100		
85	56.2	44.5	66.7
151	71.2	56.8	85.2

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#10

Methyl Iodide

Concen: 43.70 ug/l

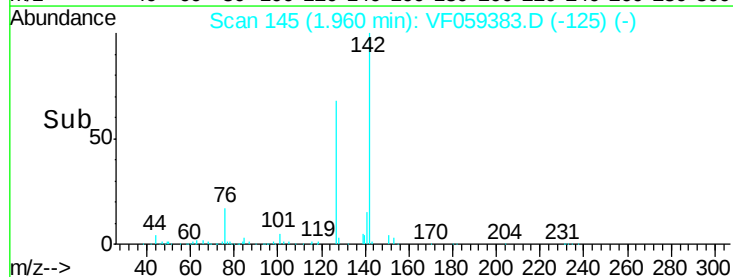
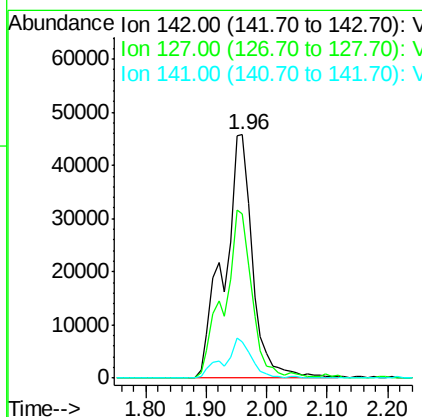
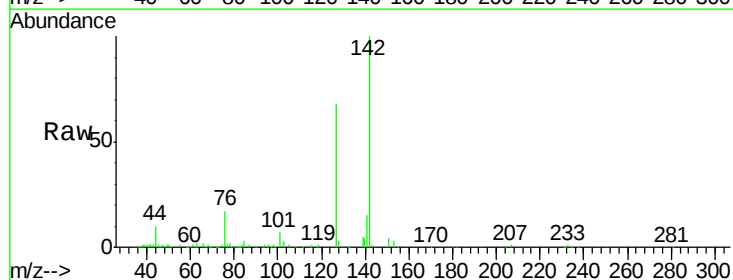
RT: 1.96 min Scan# 145

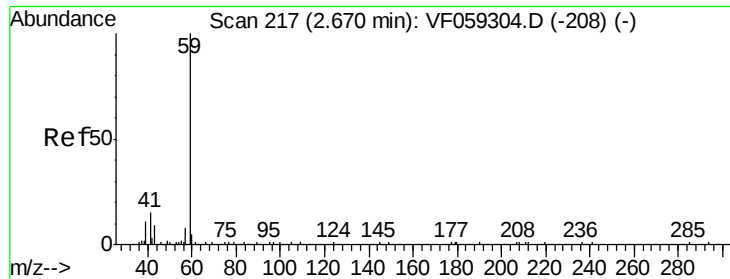
Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Tgt Ion:	142	Resp:	151250
Ion Ratio	Lower	Upper	
142	100		
127	67.5	52.5	78.7
141	15.0	11.5	17.3





#11

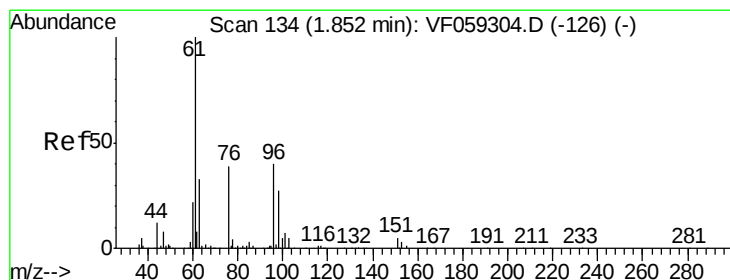
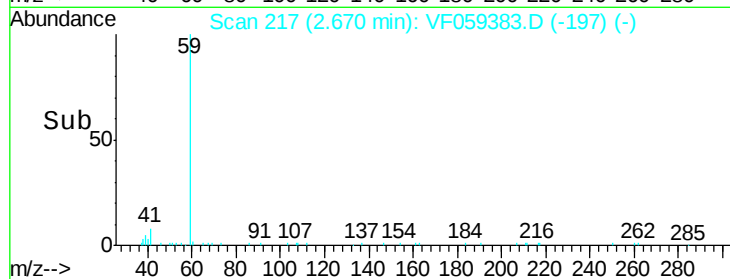
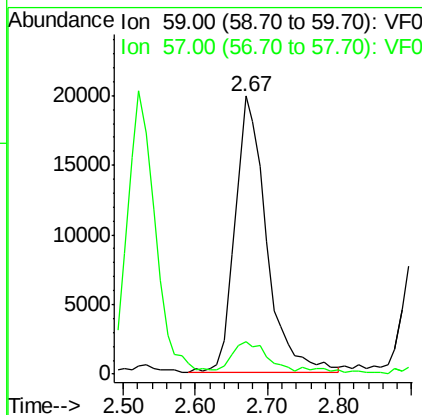
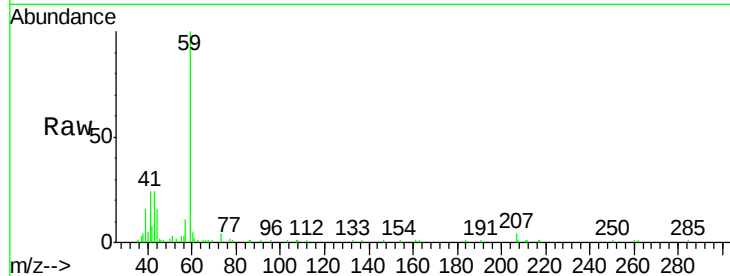
Tert butyl alcohol
Concen: 257.51 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.00 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	11.0	16.4

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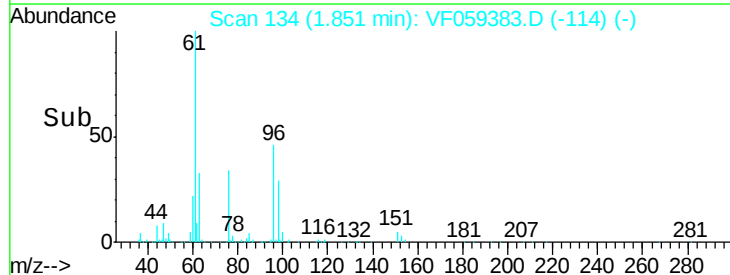
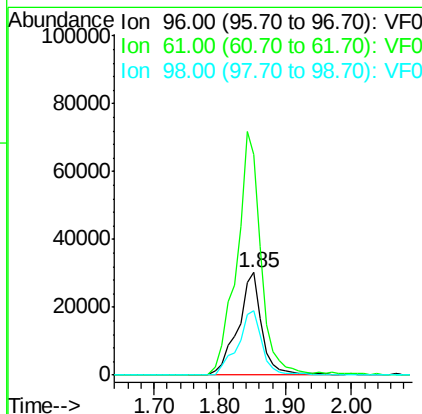
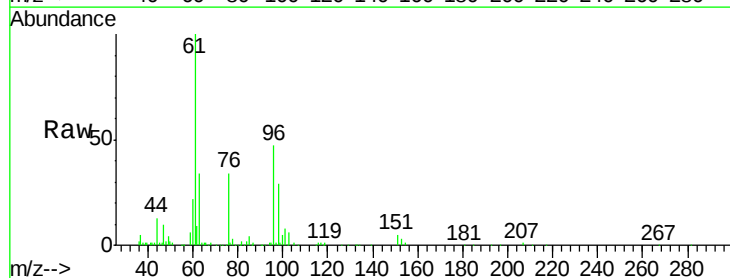
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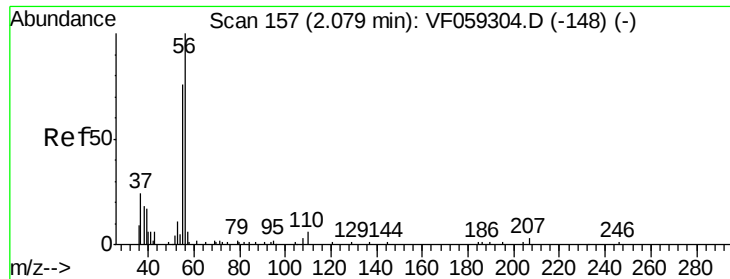


#12

1,1-Dichloroethene
Concen: 48.38 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	214.8	201.1	301.7
98	62.3	53.9	80.9





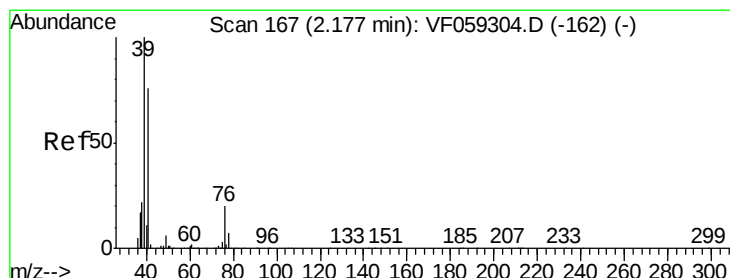
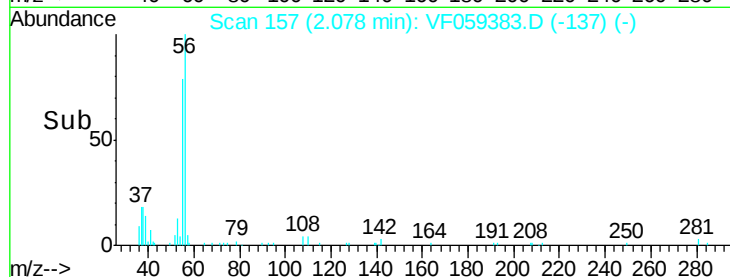
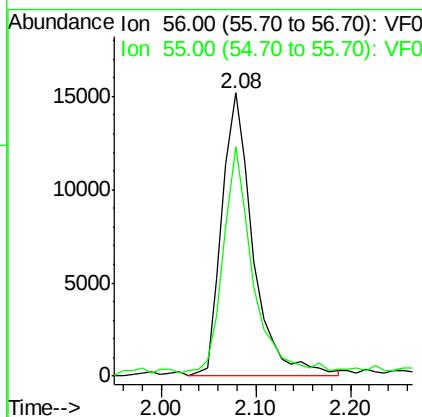
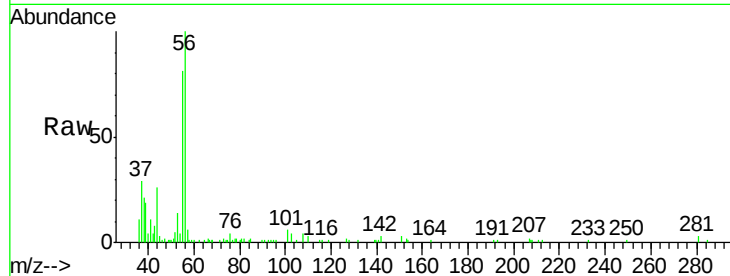
#13
Acrolein
Concen: 316.14 ug/l
RT: 2.08 min Scan# 157
Delta R.T. 0.00 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	81.2	62.4	93.6

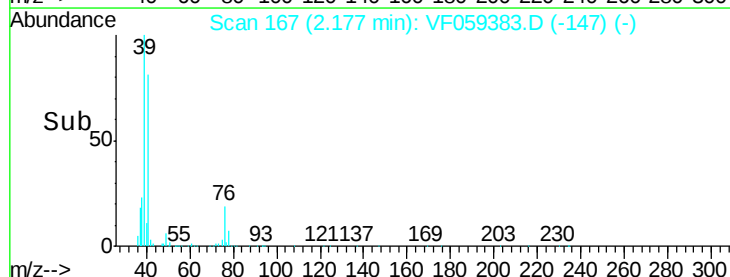
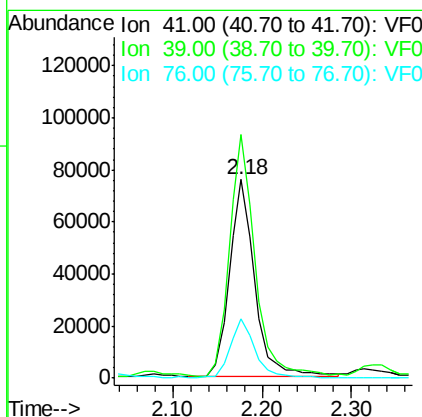
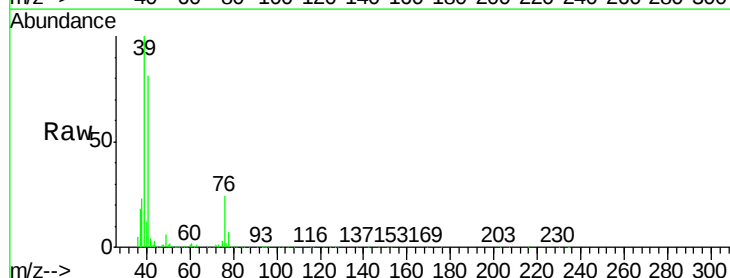
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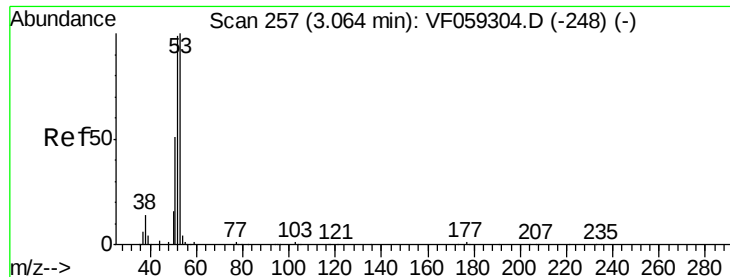
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#14
Allyl chloride
Concen: 50.43 ug/l
RT: 2.18 min Scan# 167
Delta R.T. -0.00 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	122.8	105.6	158.4
76	76	29.7	21.6	32.4





#15

Acrylonitrile

Concen: 274.26 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

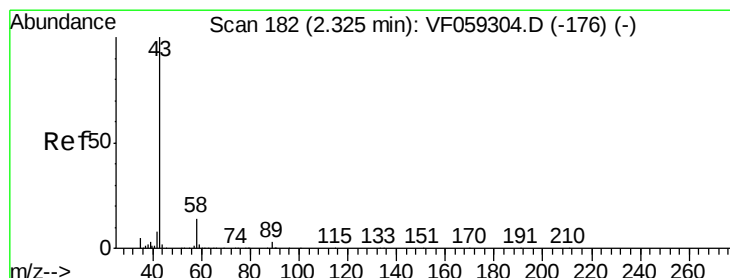
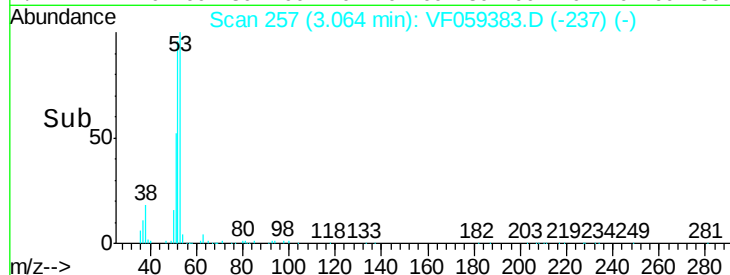
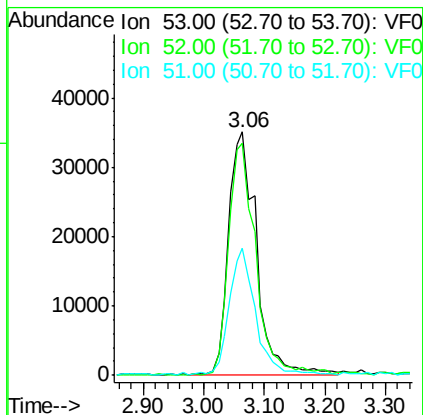
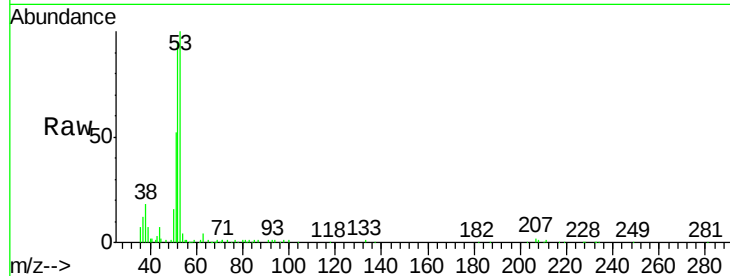
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	113070
Ion	Ratio	Lower	Upper
53	100		
52	95.4	79.2	118.8
51	52.3	40.9	61.3

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#16

Acetone

Concen: 309.91 ug/l

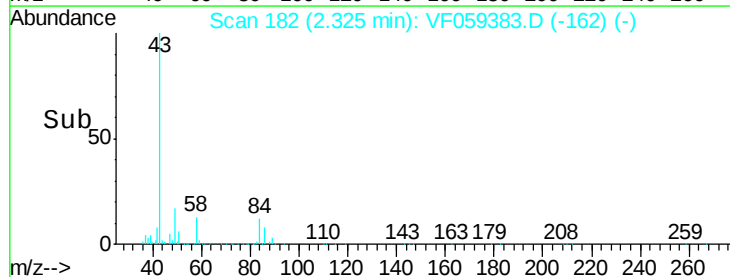
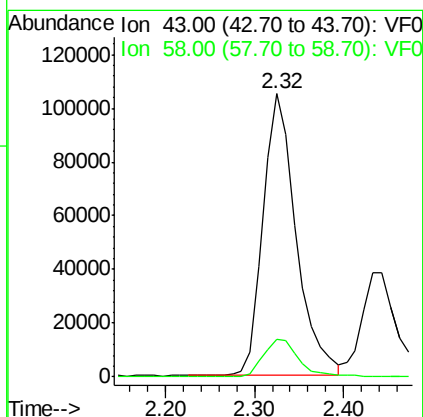
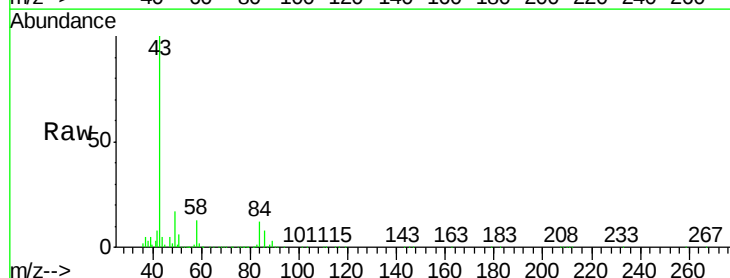
RT: 2.32 min Scan# 182

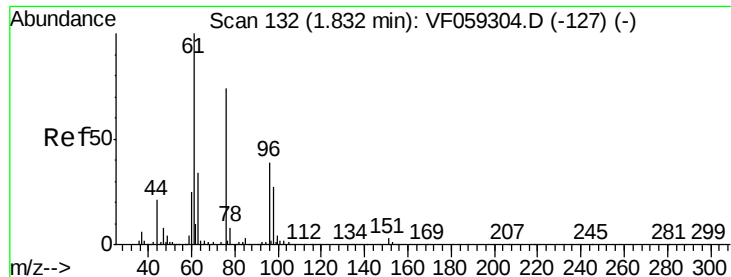
Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Tgt Ion:	43	Resp:	270041
Ion	Ratio	Lower	Upper
43	100		
58	13.4	11.4	17.0





#17

Carbon Disulfide

Concen: 43.69 ug/l m

RT: 1.87 min Scan# 136

Delta R.T. 0.04 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Tot Ion: 76 Resp: 164902

Ion Ratio Lower Upper

76 100

78 10.7 8.9 13.3

Instrument :

MSVOA_F

ClientSampleId :

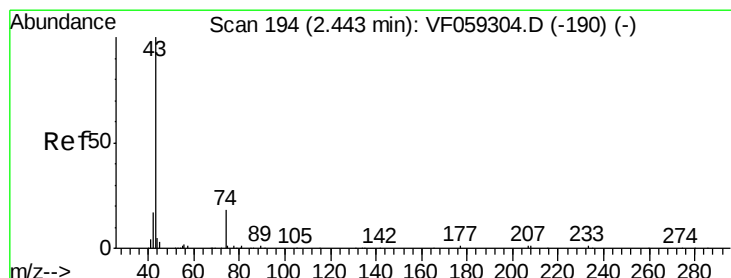
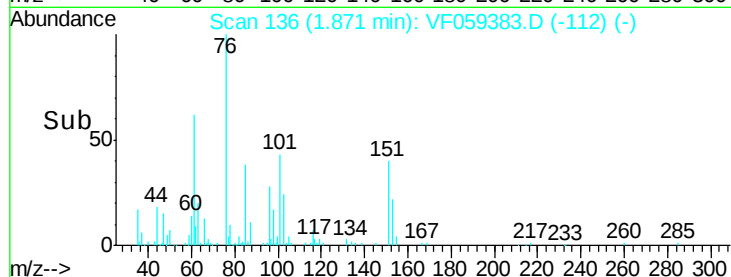
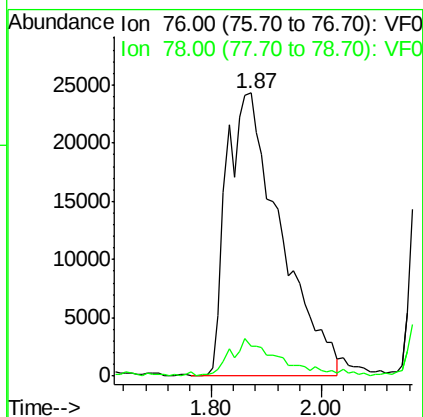
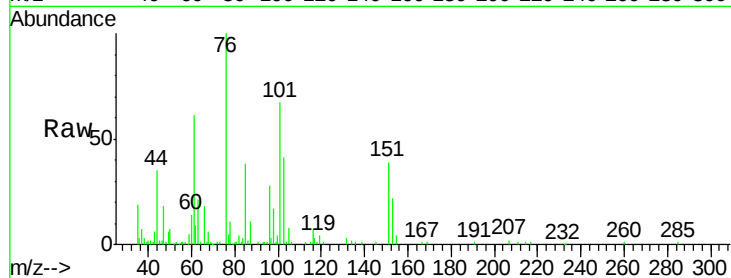
VSTDCCC050

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#18

Methyl Acetate

Concen: 60.94 ug/l

RT: 2.44 min Scan# 194

Delta R.T. -0.00 min

Lab File: VF059383.D

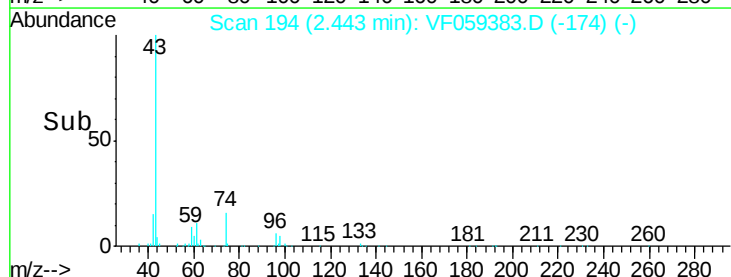
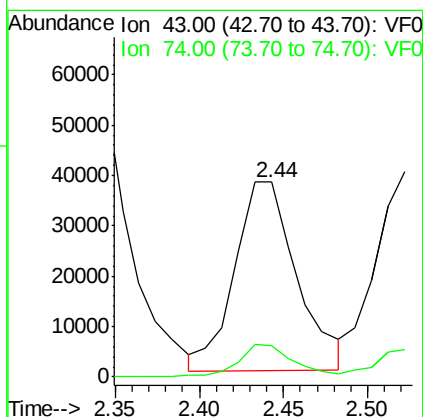
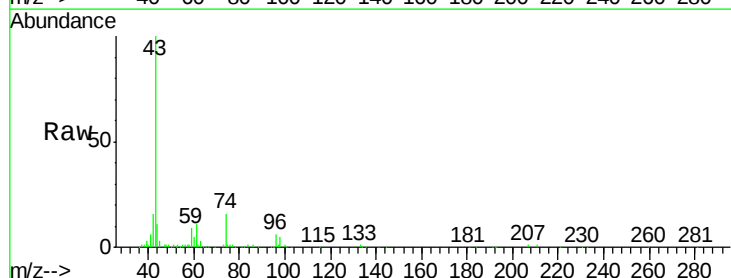
Acq: 2 Jul 2018 13:05

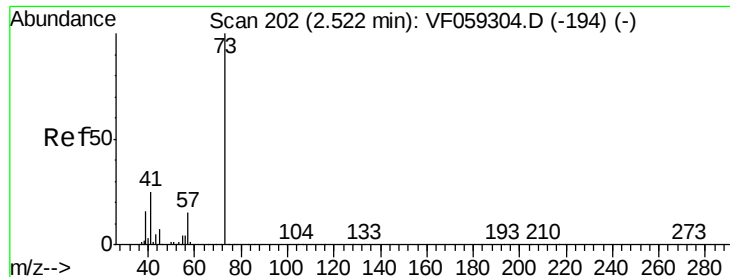
Tgt Ion: 43 Resp: 96315

Ion Ratio Lower Upper

43 100

74 16.2 13.3 19.9





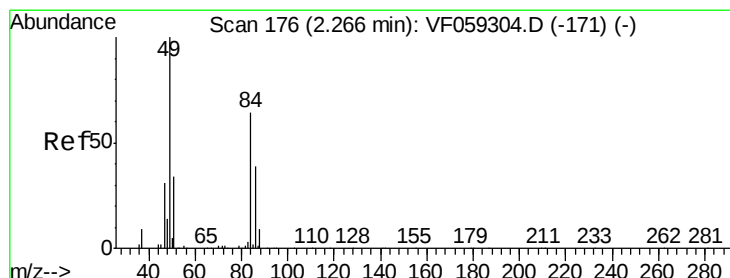
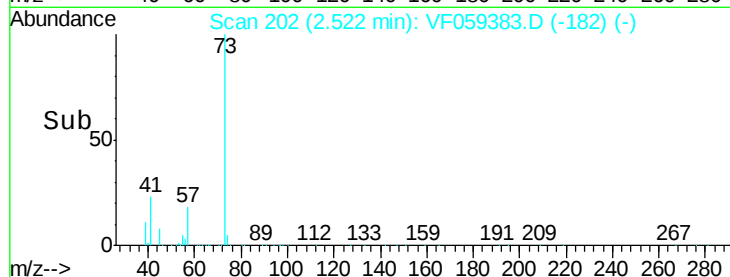
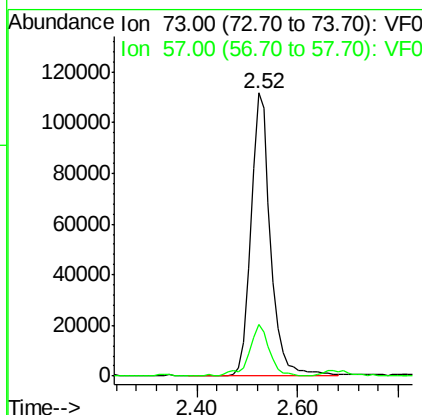
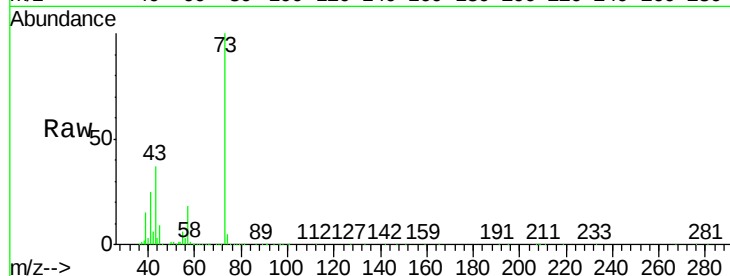
#19
Methyl tert-butyl Ether
Concen: 50.53 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.00 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 302481
Ion Ratio Lower Upper
73 100
57 18.2 12.3 18.5

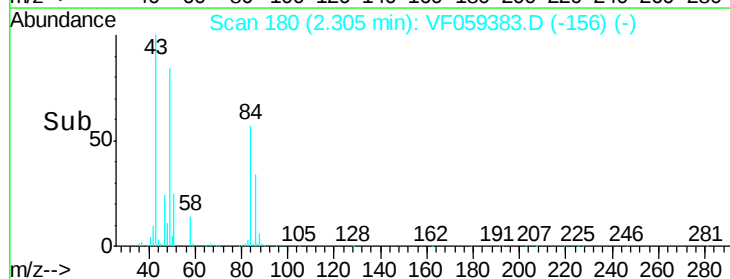
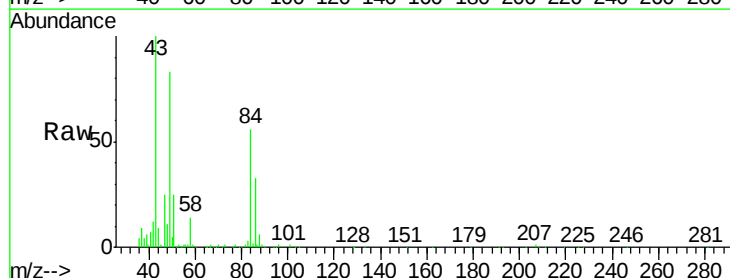
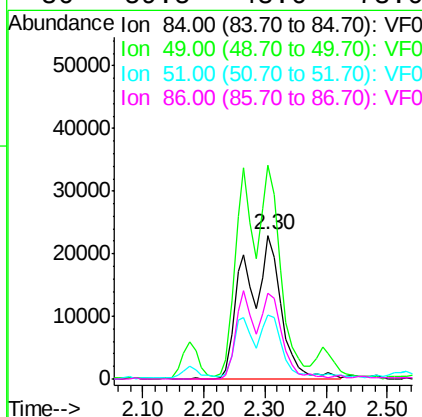
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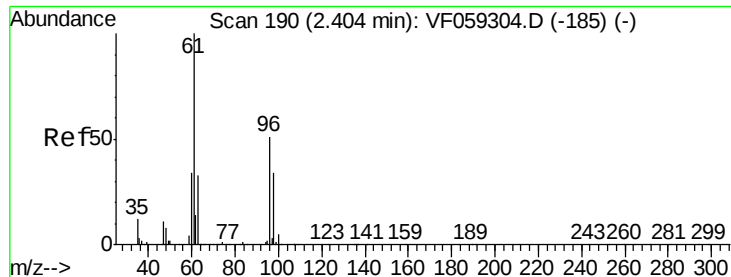
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#20
Methylene Chloride
Concen: 47.51 ug/l m
RT: 2.30 min Scan# 180
Delta R.T. 0.04 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Tgt Ion: 84 Resp: 94425
Ion Ratio Lower Upper
84 100
49 148.6 126.5 189.7
51 44.6 42.9 64.3
86 59.5 48.6 73.0





#21

trans-1,2-Dichloroethene

Concen: 46.26 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

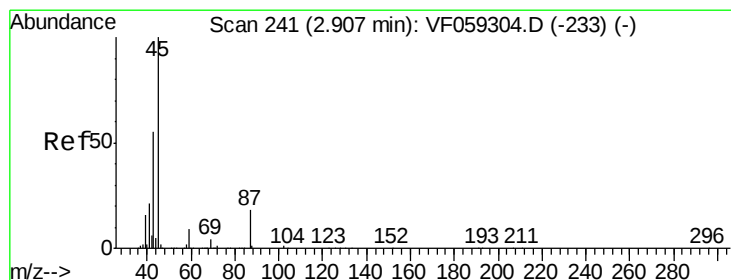
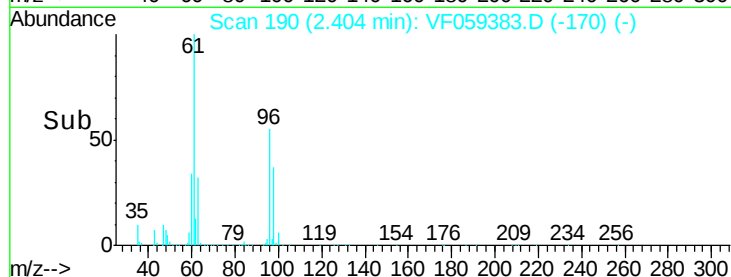
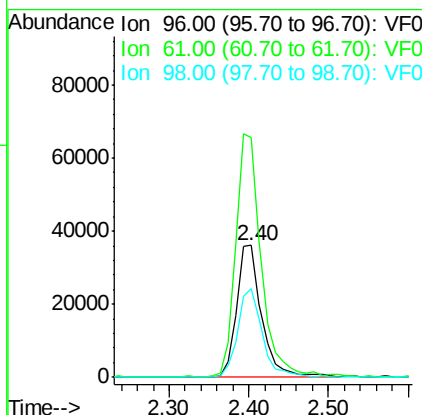
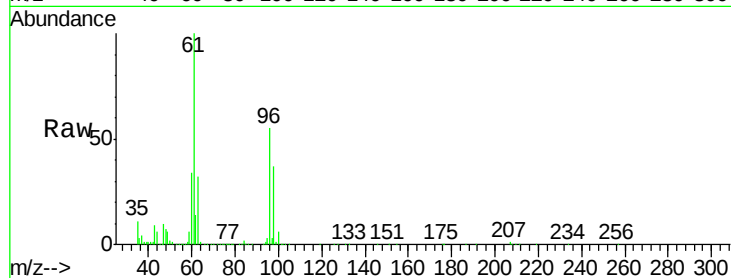
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	79192
Ion	Ratio	Lower	Upper
96	100		
61	181.8	157.4	236.2
98	67.0	53.7	80.5

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#22

Diisopropyl ether

Concen: 50.53 ug/l

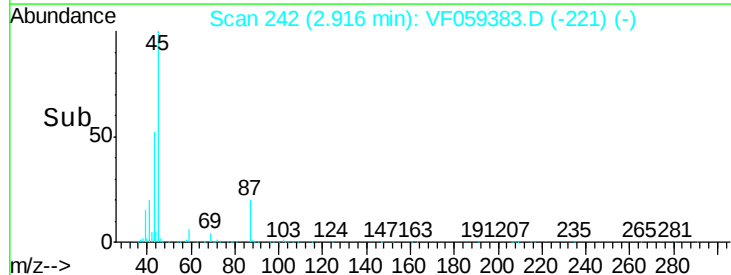
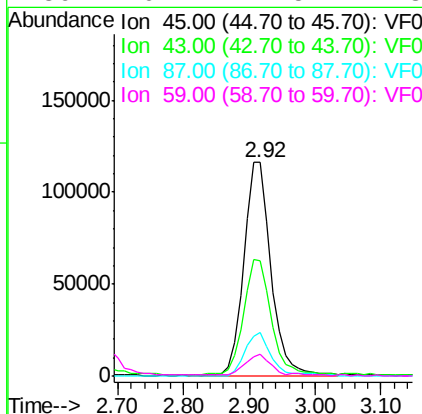
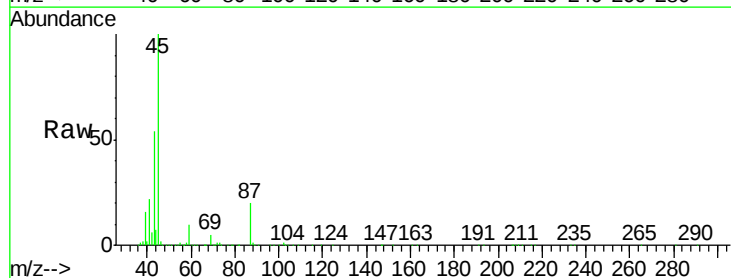
RT: 2.92 min Scan# 242

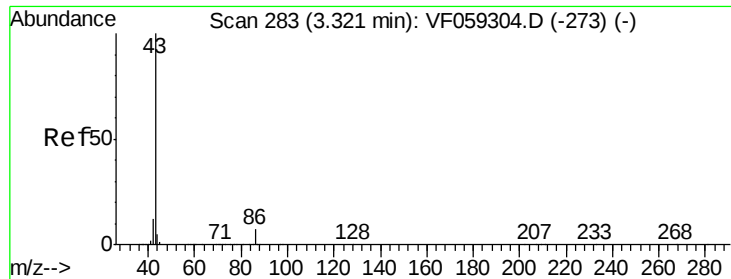
Delta R.T. 0.01 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Tgt Ion:	45	Resp:	337060
Ion	Ratio	Lower	Upper
45	100		
43	53.8	44.6	66.8
87	20.3	14.3	21.5
59	10.2	7.5	11.3





#23

Vinyl Acetate

Concen: 256.01 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1087589

Ion Ratio Lower Upper

43 100

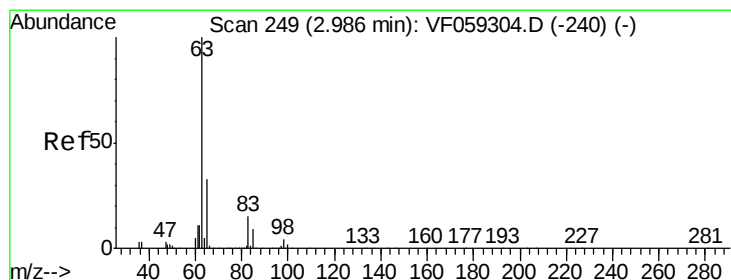
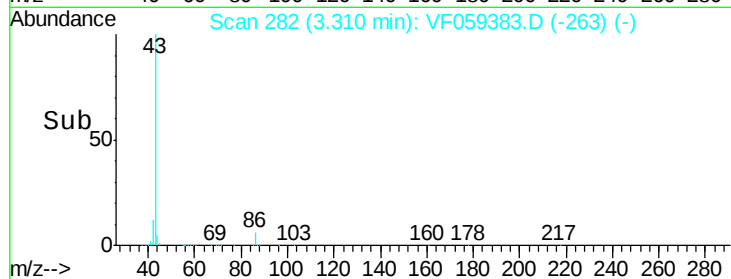
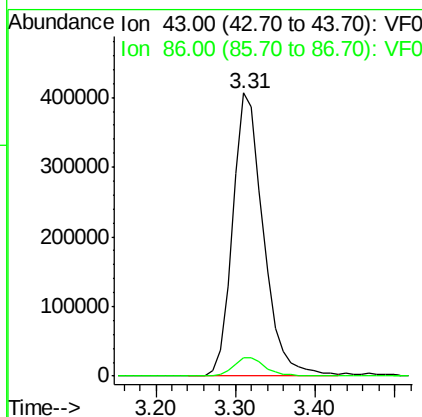
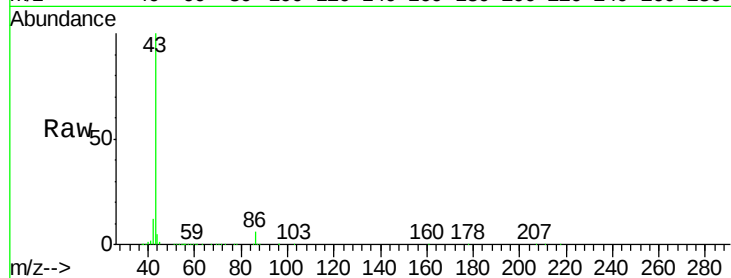
86 6.3 5.8 8.6

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#24

1,1-Dichloroethane

Concen: 48.64 ug/l

RT: 2.99 min Scan# 249

Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

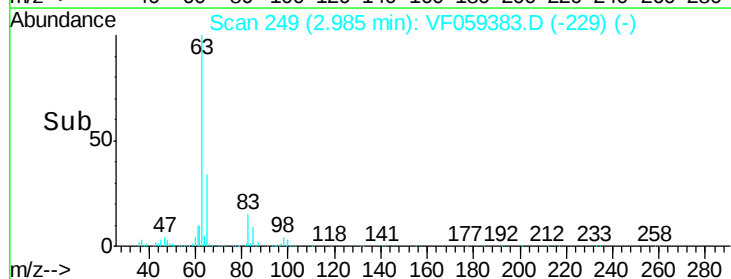
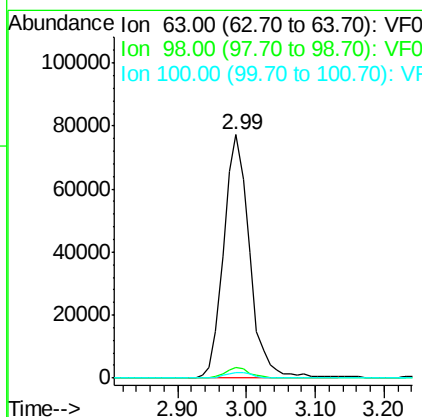
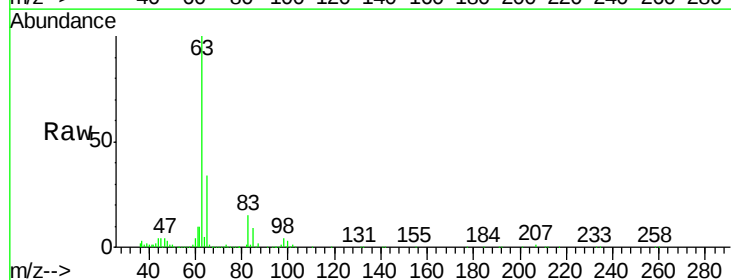
Tgt Ion: 63 Resp: 201185

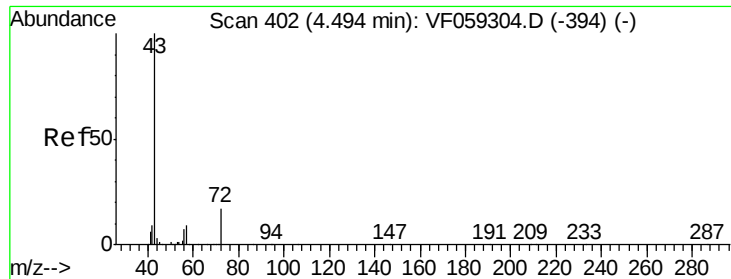
Ion Ratio Lower Upper

63 100

98 4.1 2.0 6.0

100 2.5 1.3 3.9





#25

2-Butanone

Concen: 285.27 ug/l

RT: 4.49 min Scan# 402

Delta R.T. 0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 303064

Ion Ratio Lower Upper

43 100

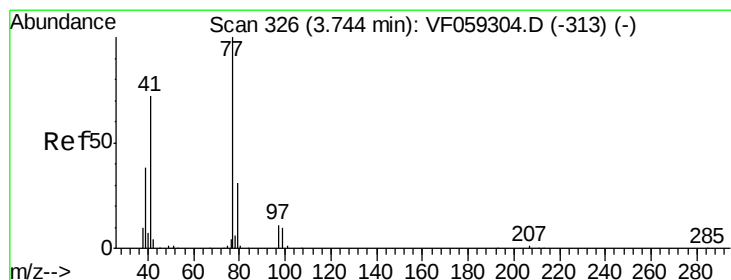
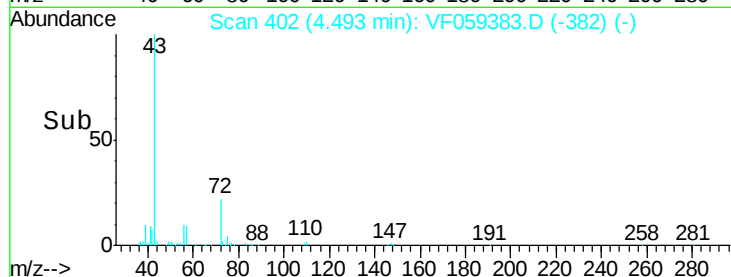
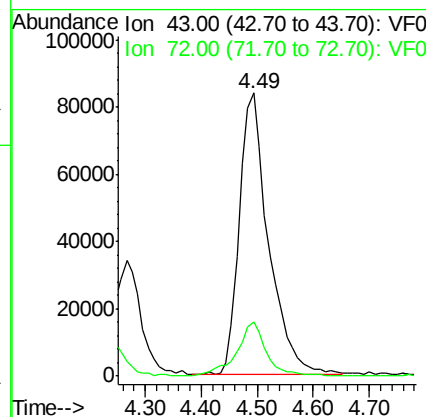
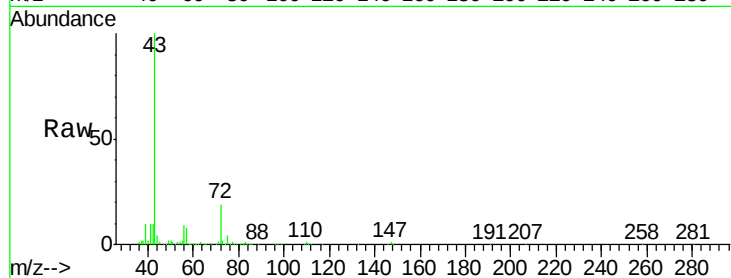
72 19.4 14.4 21.6

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#26

2,2-Dichloropropane

Concen: 50.19 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.00 min

Lab File: VF059383.D

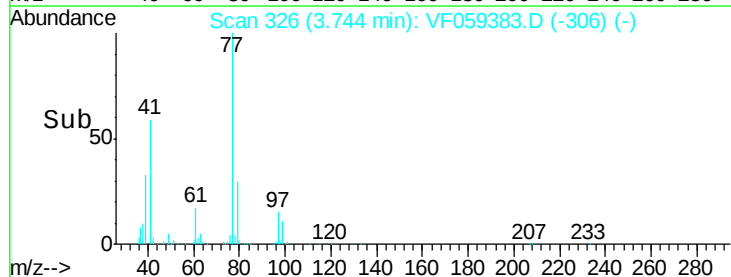
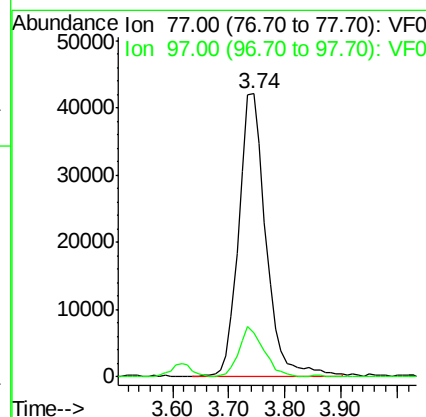
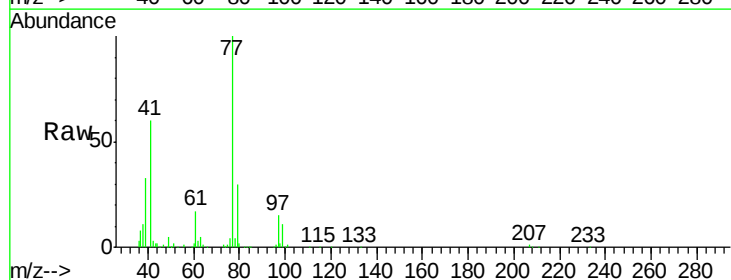
Acq: 2 Jul 2018 13:05

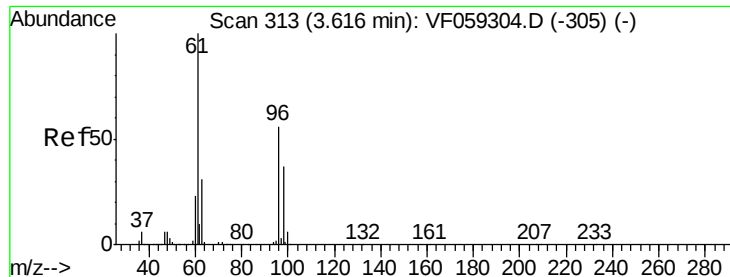
Tgt Ion: 77 Resp: 143168

Ion Ratio Lower Upper

77 100

97 15.4 8.0 23.8





#27

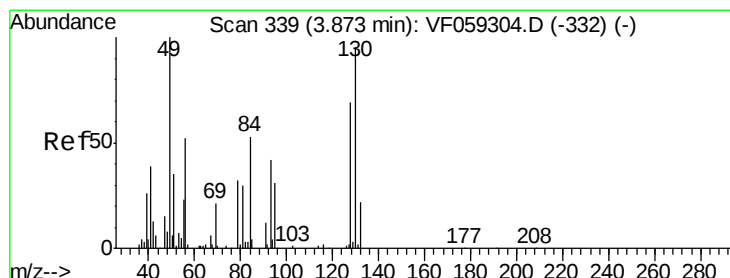
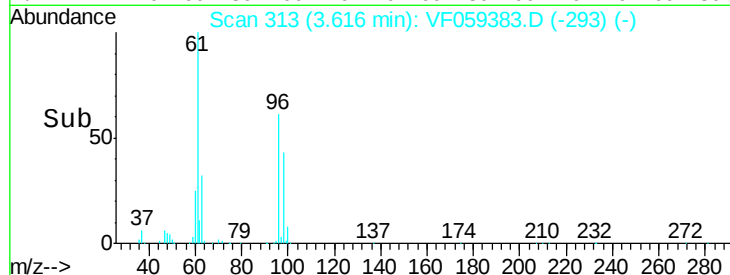
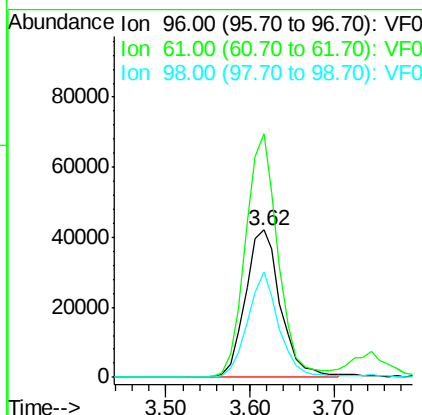
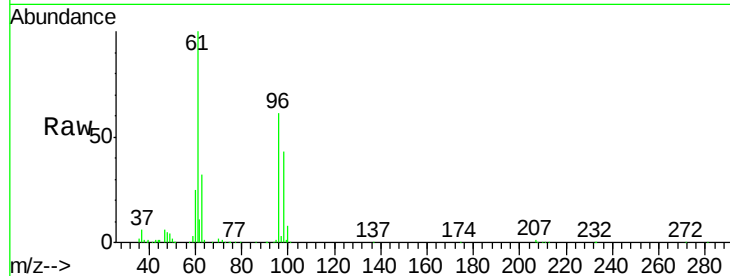
cis-1,2-Dichloroethene
Concen: 47.43 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.00 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	123259		
61	165.2	0.0	355.4	
98	71.6	0.0	131.0	

Manual Integrations
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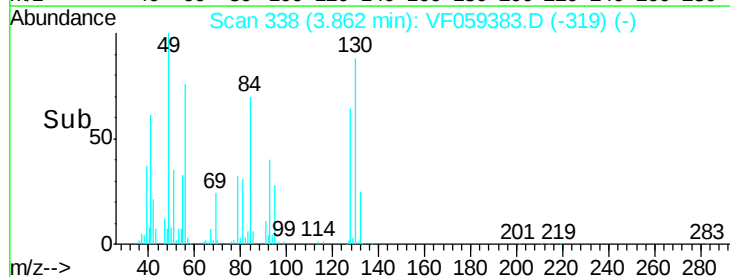
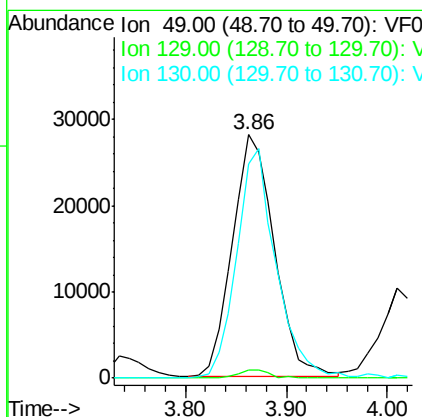
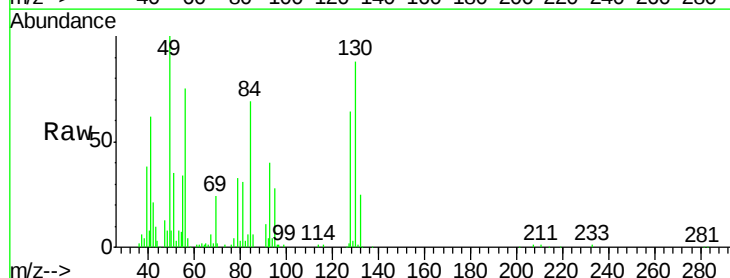
apatel
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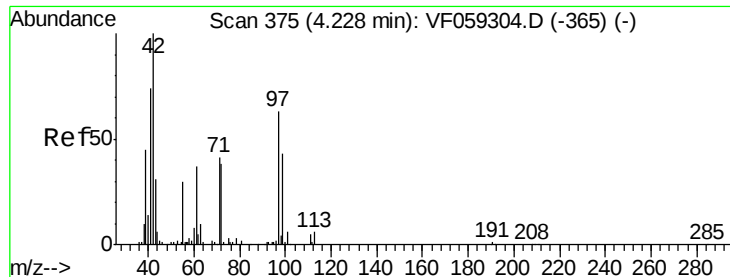


#28

Bromochloromethane
Concen: 51.54 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.01 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	81648		
129	3.2	0.0	6.4	
130	87.7	75.1	112.7	





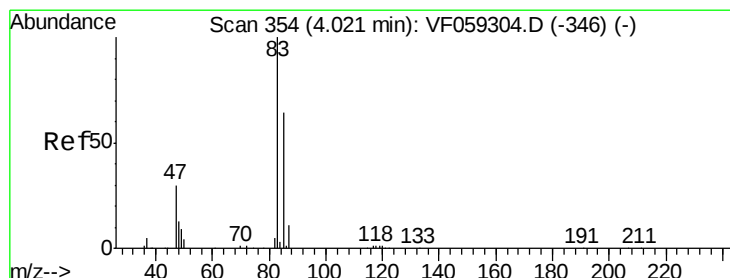
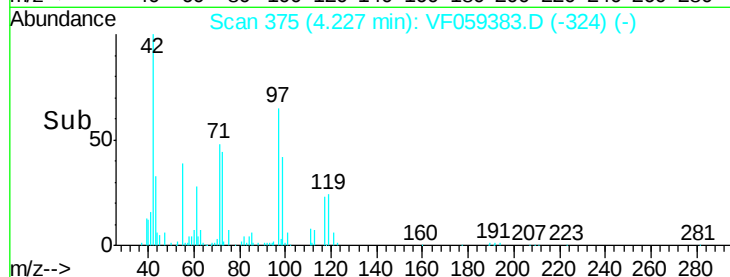
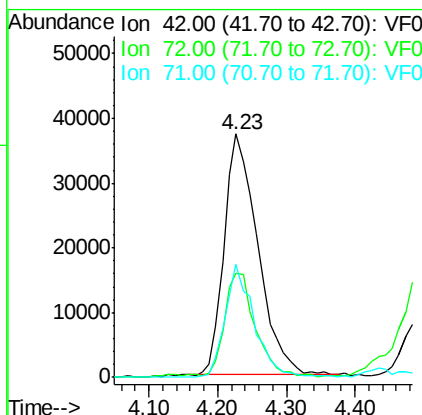
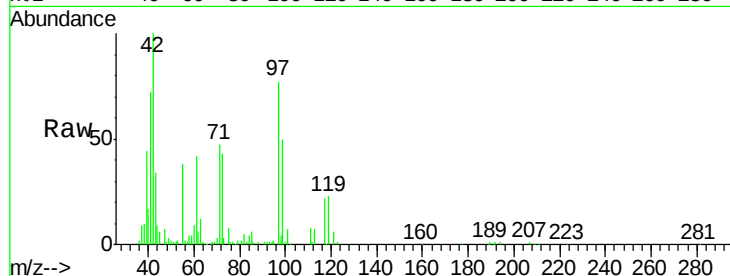
#29
Tetrahydrofuran
Concen: 278.46 ug/l
RT: 4.23 min Scan# 375
Delta R.T. 0.00 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.5	30.5	45.7
71	40.8	32.5	48.7

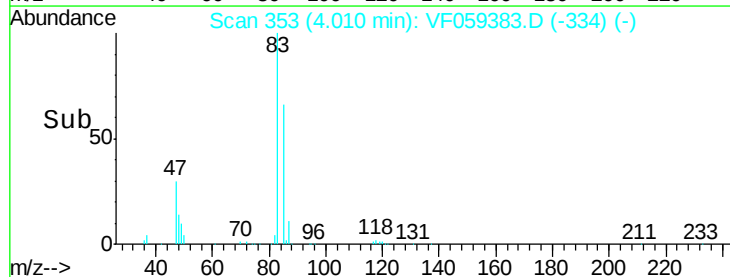
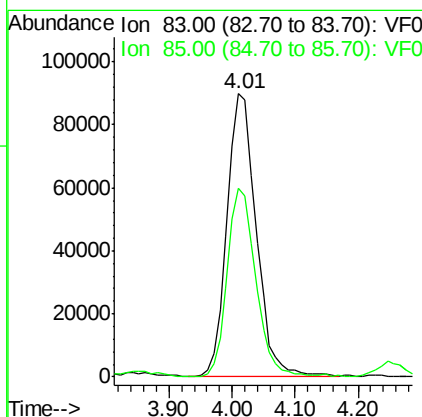
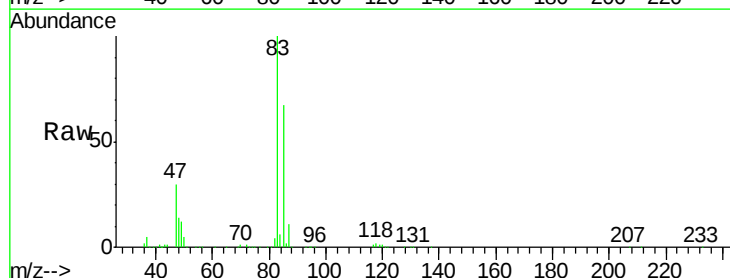
Manual Integrations
APPROVED

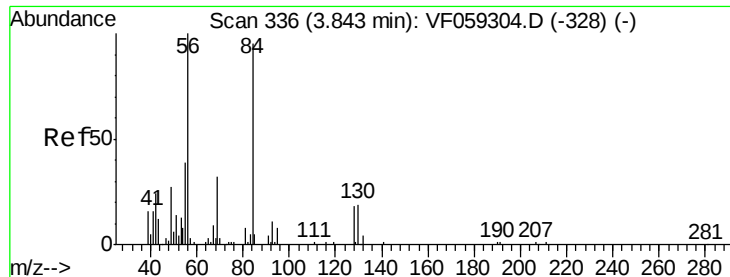
apatel
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#30
Chloroform
Concen: 48.05 ug/l
RT: 4.01 min Scan# 353
Delta R.T. -0.01 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	51.3	76.9





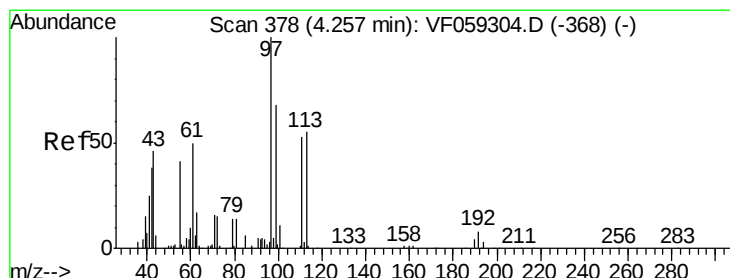
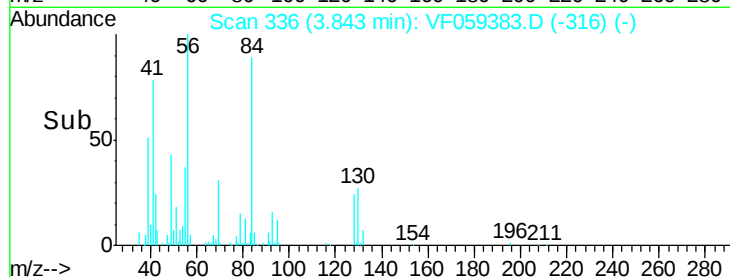
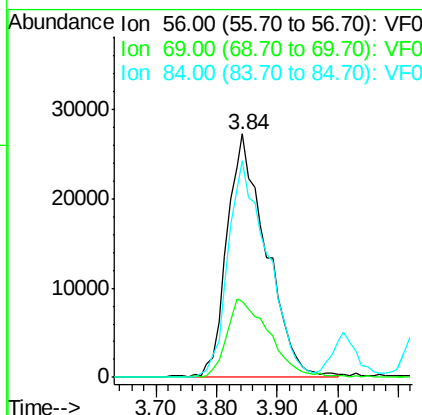
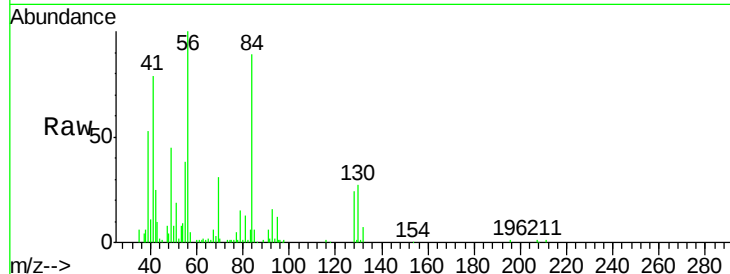
#31
Cyclohexane
Concen: 45.17 ug/l
RT: 3.84 min Scan# 336
Delta R.T. -0.00 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	31.0	25.8	38.8	
84	88.9	75.6	113.4	

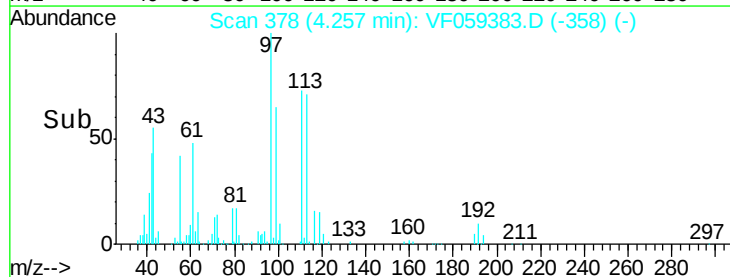
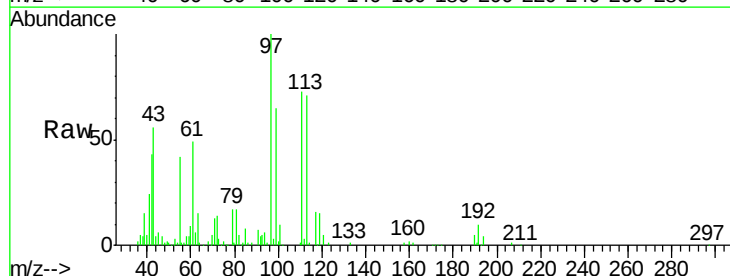
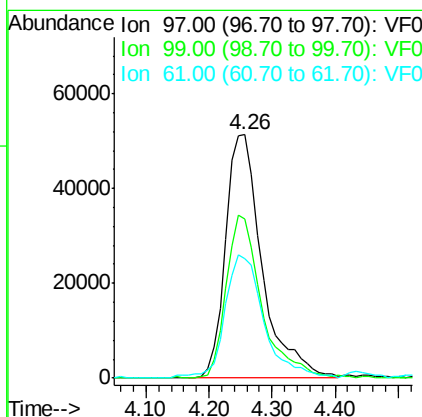
Manual Integrations
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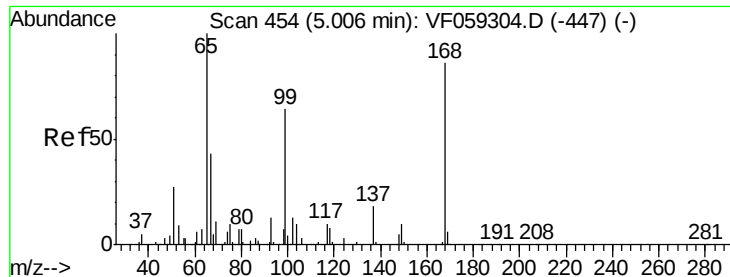
apatel
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#32
1,1,1-Trichloroethane
Concen: 47.07 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.00 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	65.4	54.1	81.1	
61	48.9	41.2	61.8	





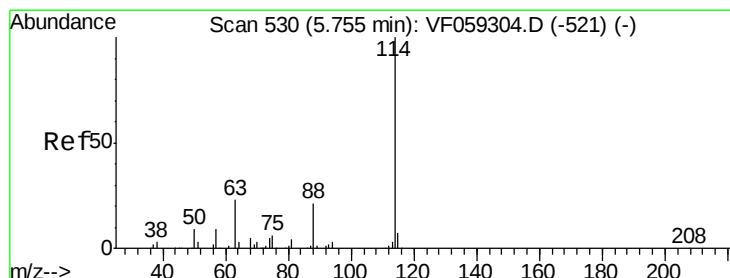
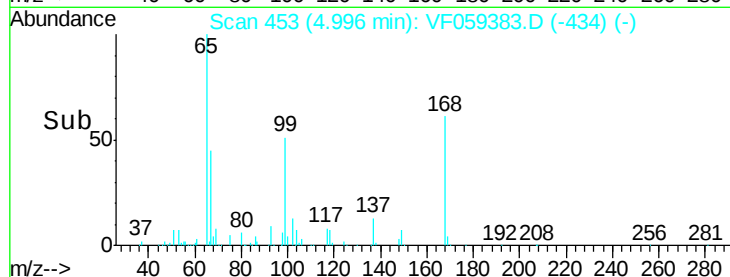
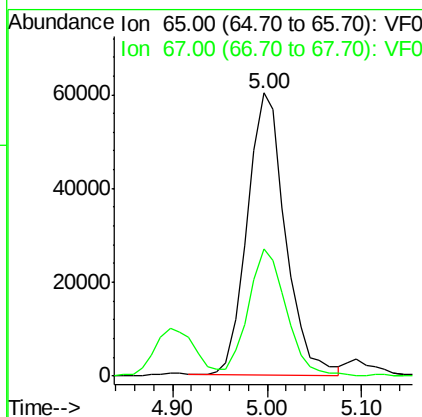
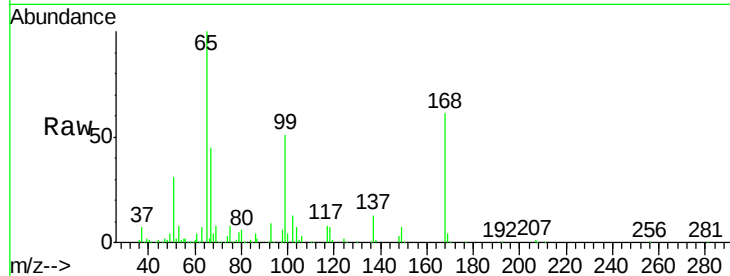
#33
 1,2-Dichloroethane-d4
 Concen: 47.94 ug/l
 RT: 5.00 min Scan# 453
 Delta R.T. -0.01 min
 Lab File: VF059383.D
 Acq: 2 Jul 2018 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	168589		
67	45.0	0.0	96.8	

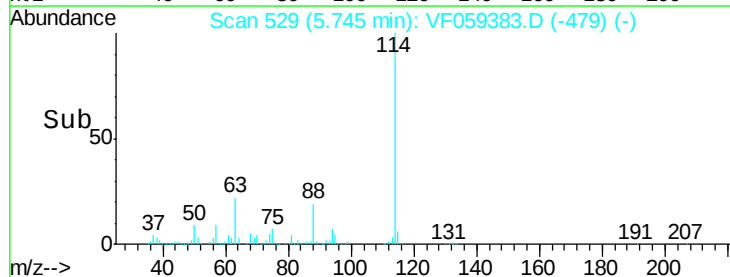
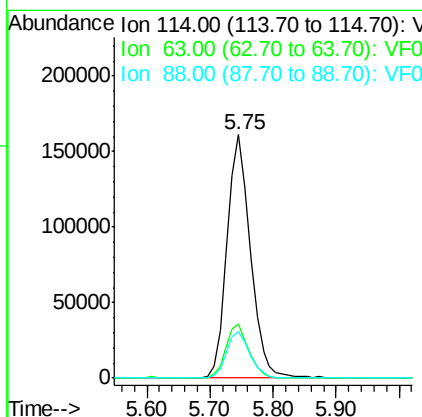
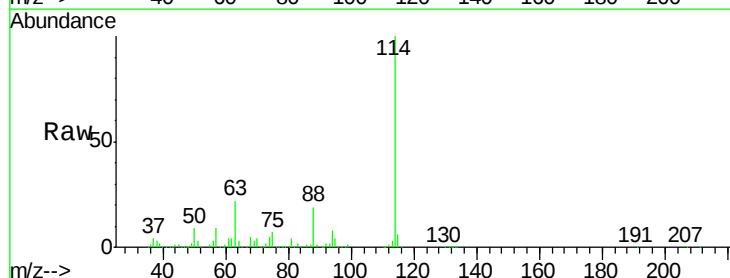
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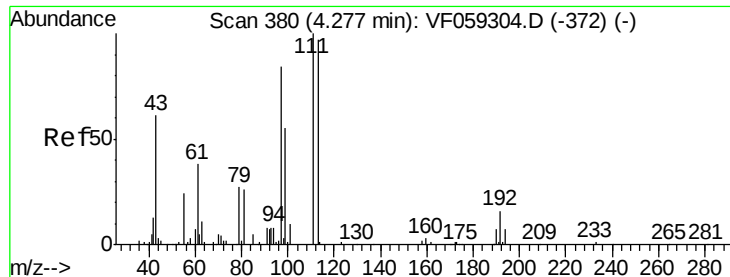
apatel
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 529
 Delta R.T. -0.01 min
 Lab File: VF059383.D
 Acq: 2 Jul 2018 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	413604		
63	22.1	0.0	45.8	
88	19.0	0.0	41.2	





#35

Dibromofluoromethane

Concen: 47.21 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

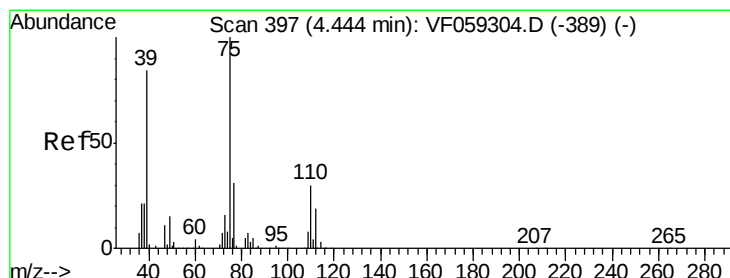
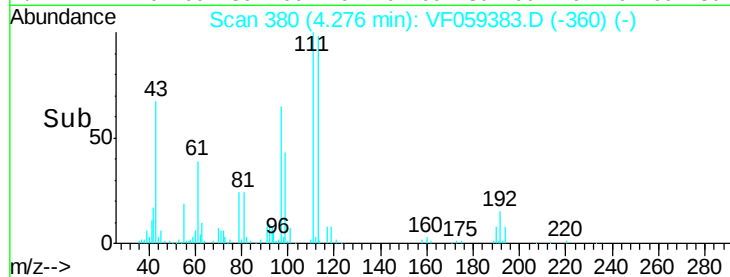
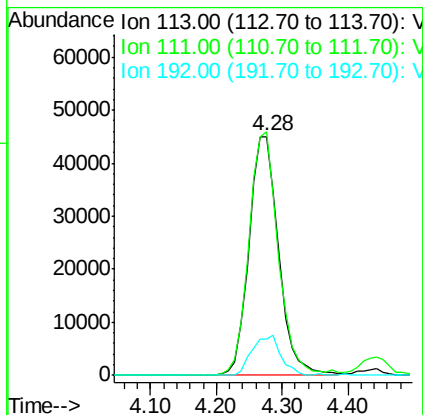
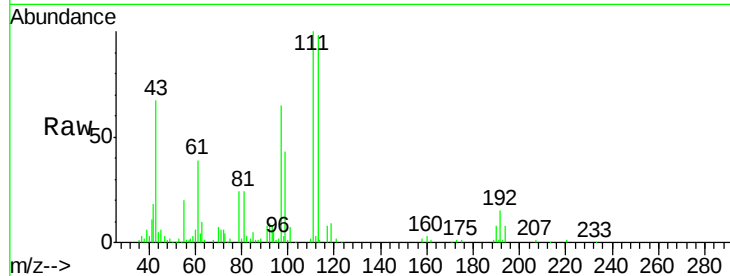
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	142670
Ion Ratio	Lower	Upper	
113	100		
111	101.9	82.1	123.1
192	15.4	13.0	19.6

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#36

1,1-Dichloropropene

Concen: 49.45 ug/l

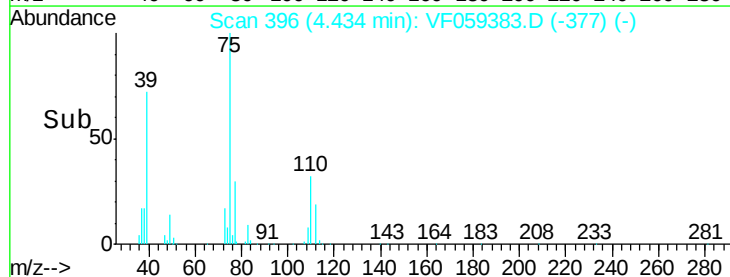
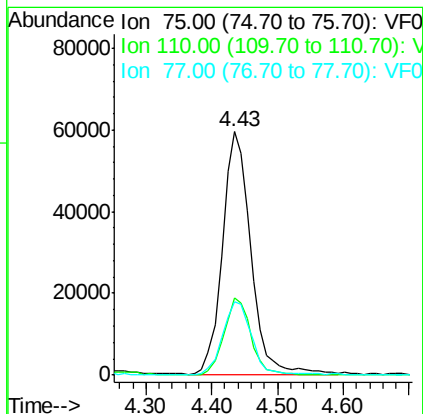
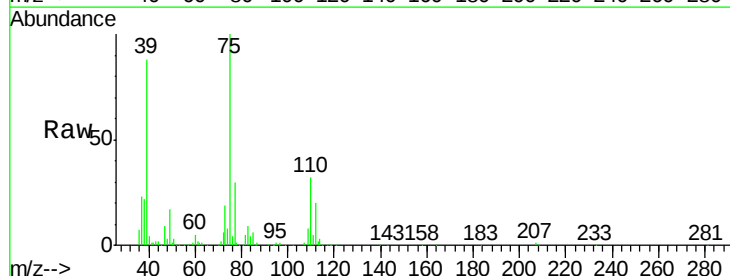
RT: 4.43 min Scan# 396

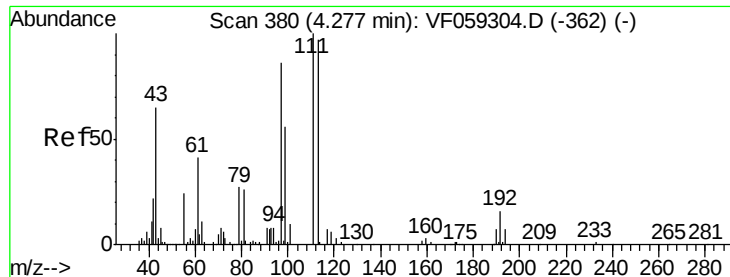
Delta R.T. -0.01 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Tgt Ion:	75	Resp:	178671
Ion Ratio	Lower	Upper	
75	100		
110	31.9	14.8	44.4
77	30.0	25.2	37.8





#37

Ethyl Acetate

Concen: 58.19 ug/l

RT: 4.27 min Scan# 379

Delta R.T. -0.01 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

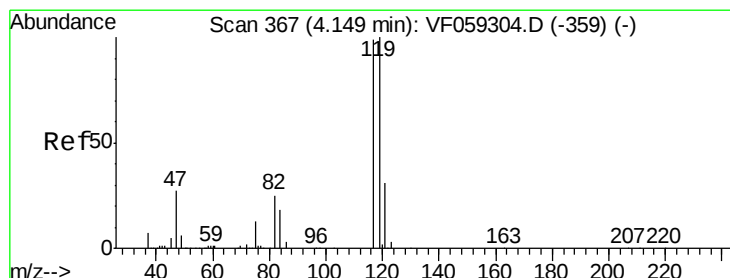
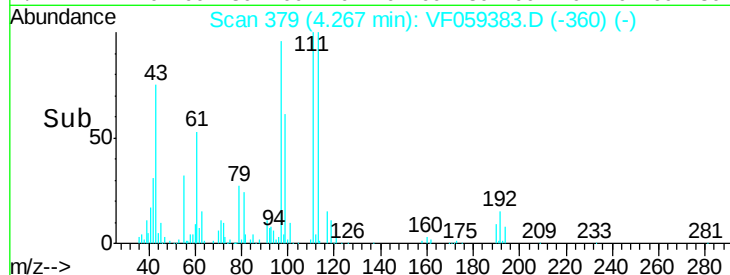
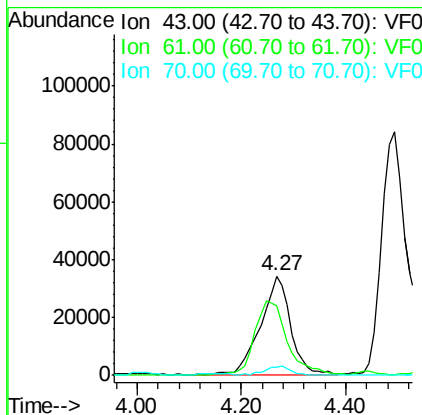
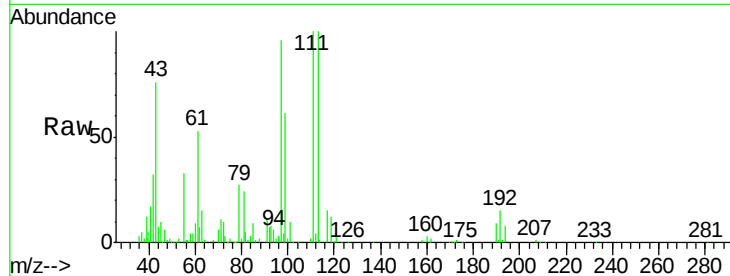
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	133933
Ion	Ratio	Lower	Upper
43	100		
61	70.0	50.1	75.1
70	7.8	6.2	9.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 54.07 ug/l

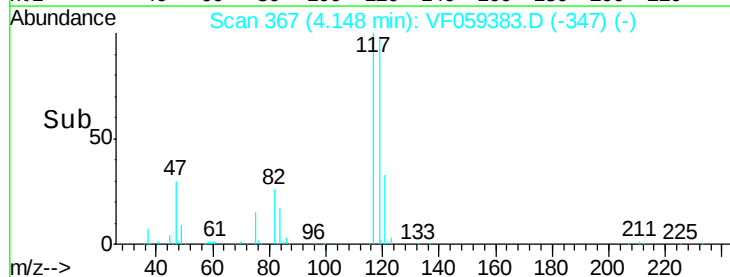
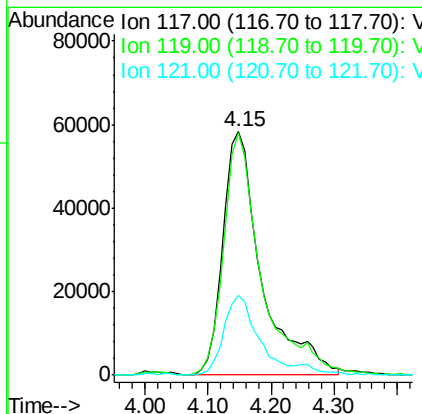
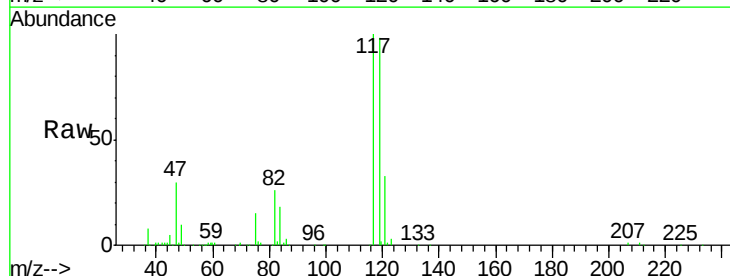
RT: 4.15 min Scan# 367

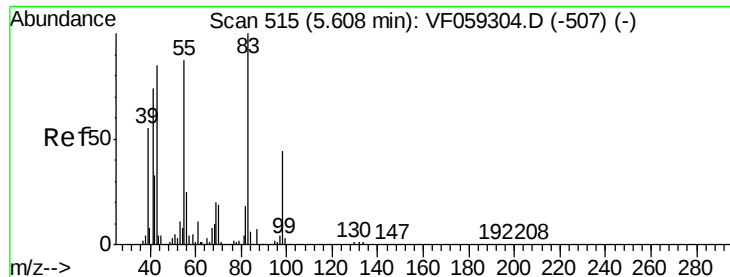
Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Tgt Ion:	117	Resp:	246554
Ion	Ratio	Lower	Upper
117	100		
119	99.4	81.0	121.4
121	32.7	24.7	37.1





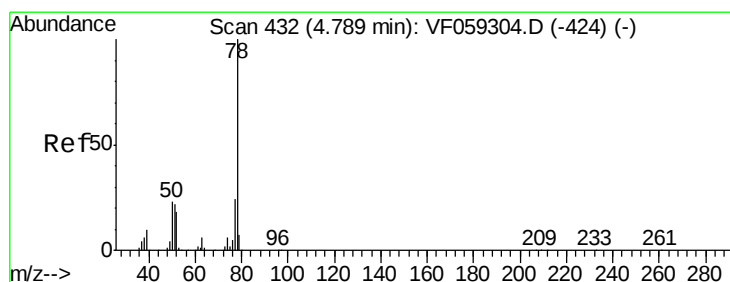
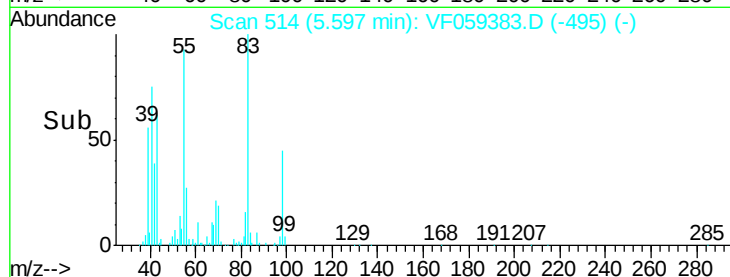
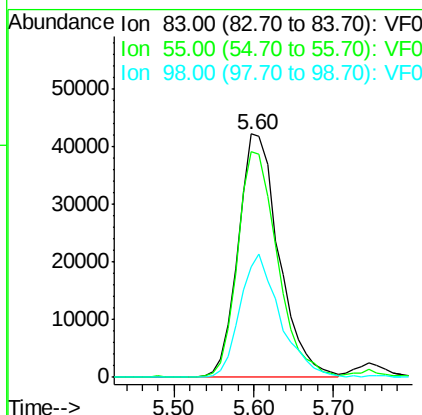
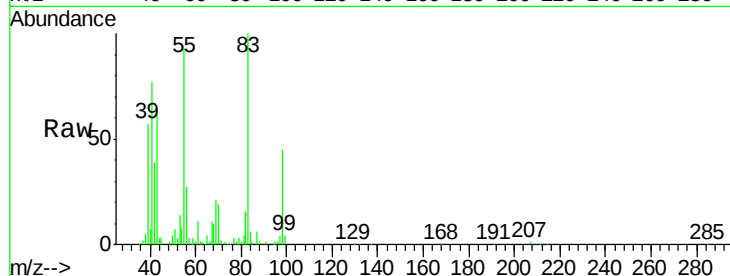
#39
Methvlcvclohexane
Concen: 46.92 ug/l
RT: 5.60 min Scan# 514
Delta R.T. -0.01 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	150215
Ion Ratio	Lower	Upper	
83	100		
55	92.7	69.2	103.8
98	45.4	35.0	52.6

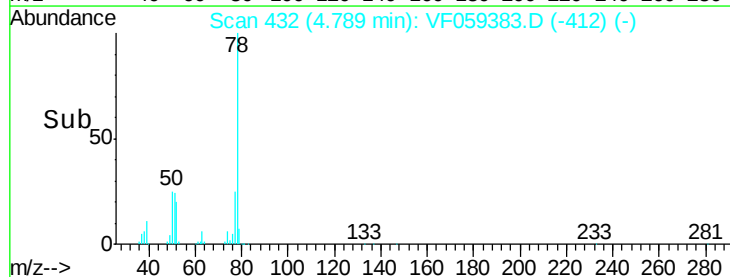
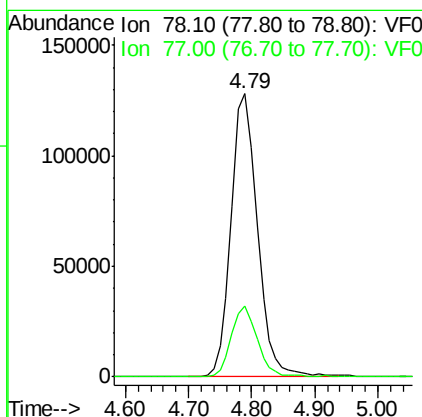
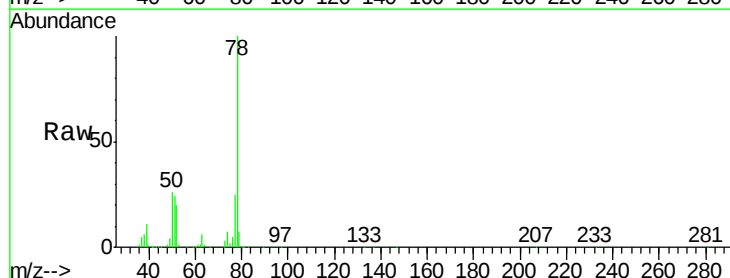
Manual Integrations
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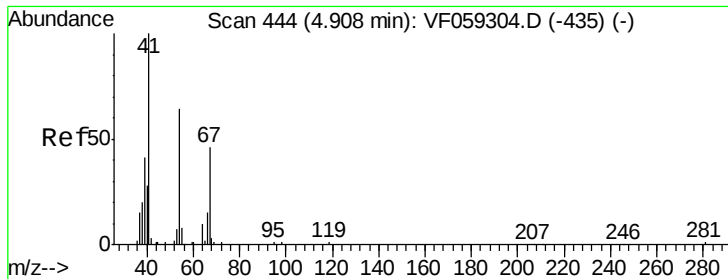
apatel
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#40
Benzene
Concen: 46.46 ug/l
RT: 4.79 min Scan# 432
Delta R.T. -0.00 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Tgt Ion	78	Resp	372188
Ion Ratio	Lower	Upper	
78	100		
77	25.3	19.6	29.4





#41

Methacrylonitrile

Concen: 50.09 ug/l

RT: 4.91 min Scan# 444

Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

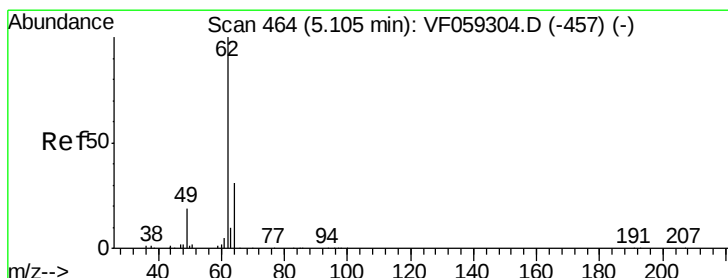
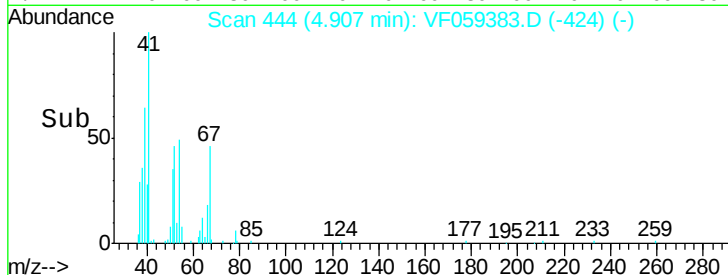
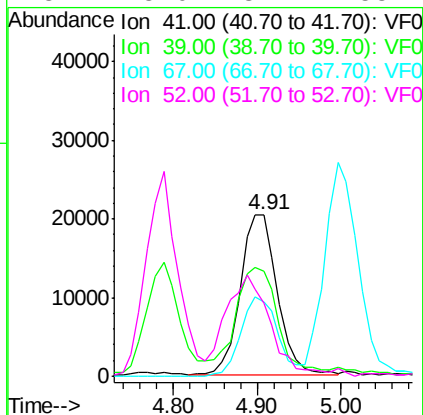
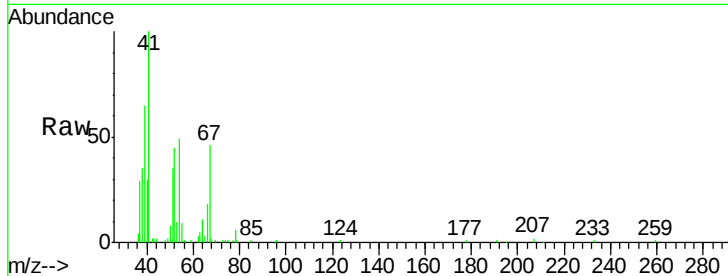
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	65.3	50.0	75.0	
67	46.1	37.0	55.6	
52	45.0	37.1	55.7	

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 50.54 ug/l

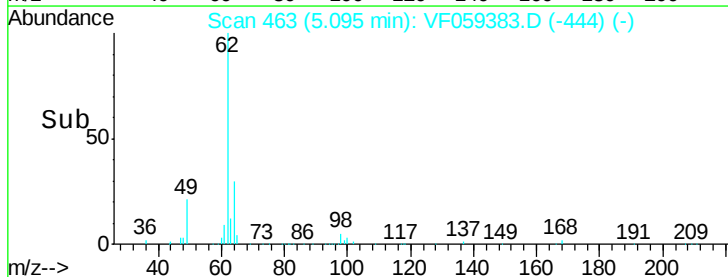
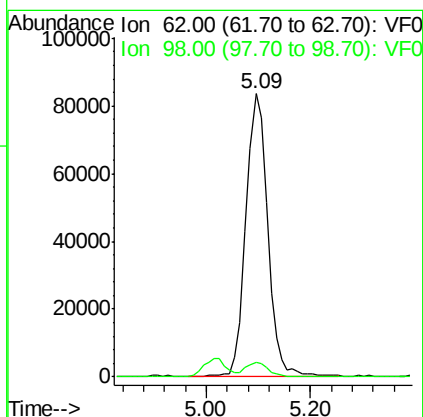
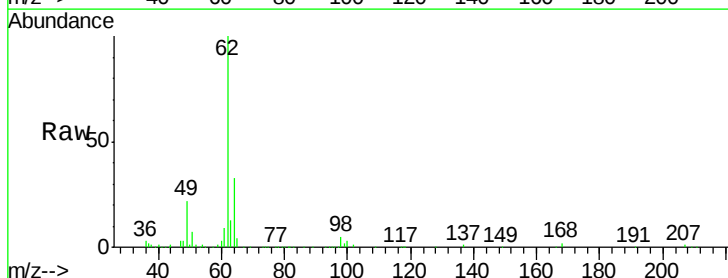
RT: 5.09 min Scan# 463

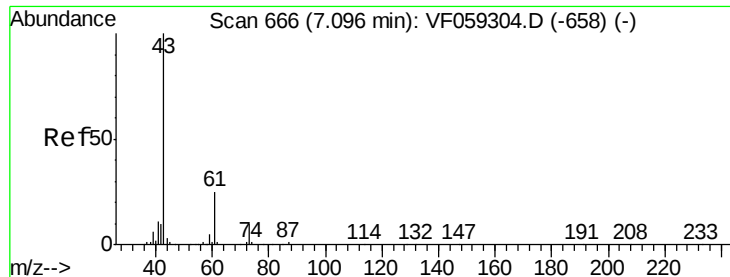
Delta R.T. -0.01 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	5.2	0.0	11.4	





#43

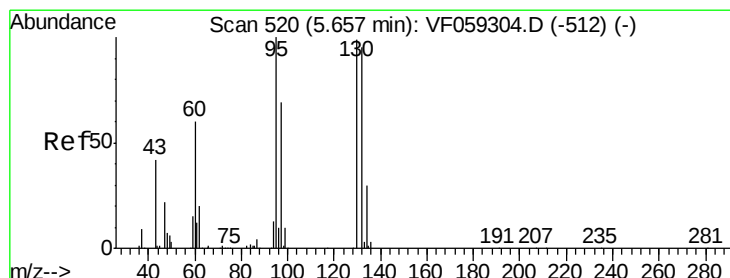
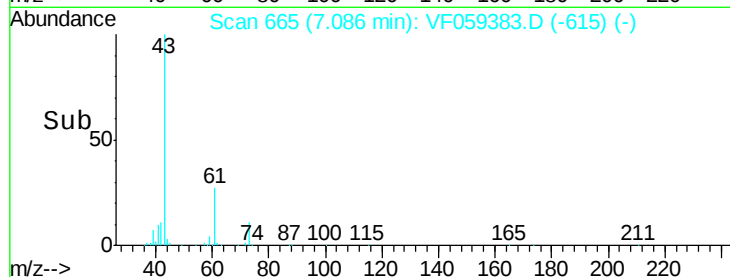
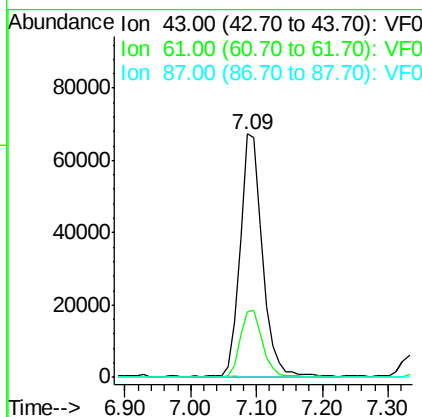
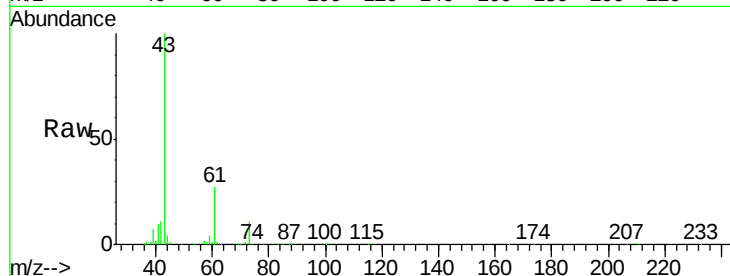
Isopropyl Acetate
 Concen: 52.78 ug/l
 RT: 7.09 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: VF059383.D
 Acq: 2 Jul 2018 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.9	19.7	29.5
87	0.4	0.5	0.7

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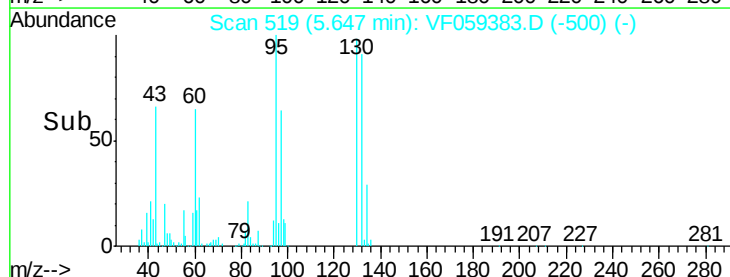
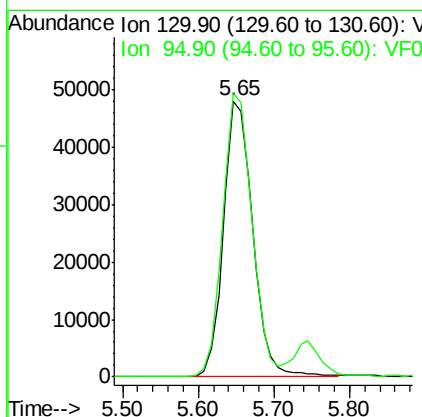
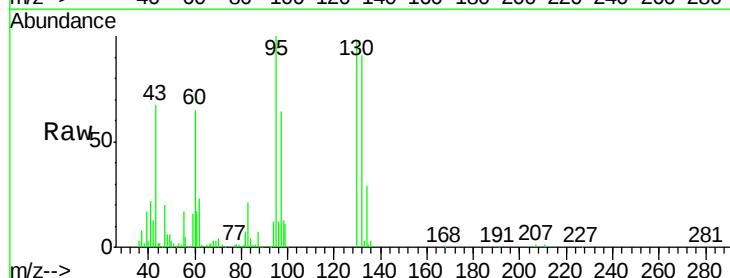
apatel
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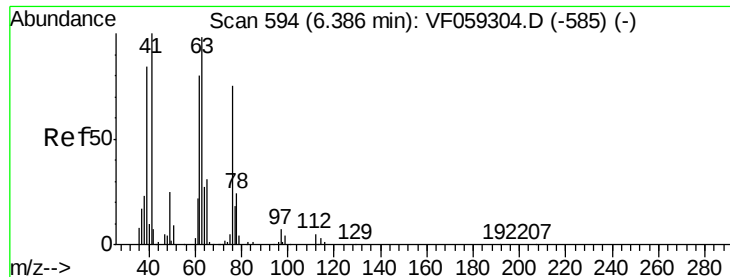


#44

Trichloroethene
 Concen: 46.86 ug/l
 RT: 5.65 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: VF059383.D
 Acq: 2 Jul 2018 13:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	202.4





#45

1,2-Dichloropropane

Concen: 50.07 ug/l

RT: 6.39 min Scan# 594

Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 114607

Ion Ratio Lower Upper

63 100

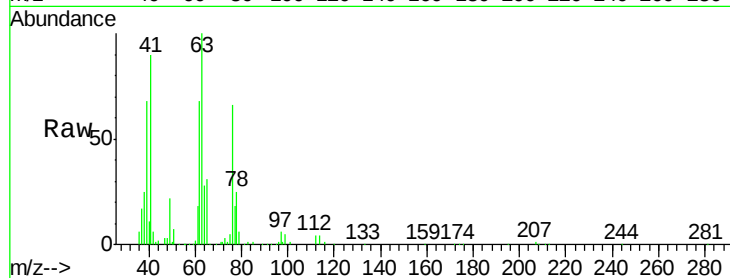
65 30.8 25.3 37.9

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.39

50000

40000

30000

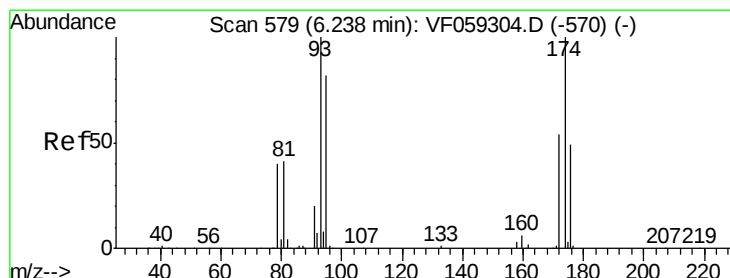
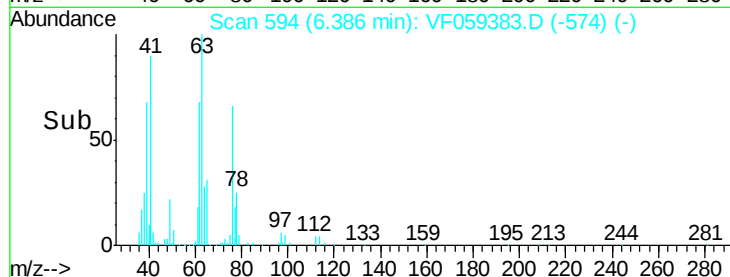
20000

10000

0

6.20 6.30 6.40 6.50 6.60

Time-->



#46

Dibromomethane

Concen: 51.45 ug/l

RT: 6.23 min Scan# 578

Delta R.T. -0.01 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

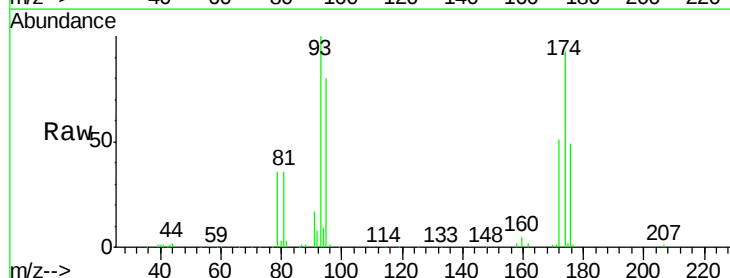
Tgt Ion: 93 Resp: 102203

Ion Ratio Lower Upper

93 100

95 80.3 65.6 98.4

174 92.9 80.0 120.0



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

6.23

50000

40000

30000

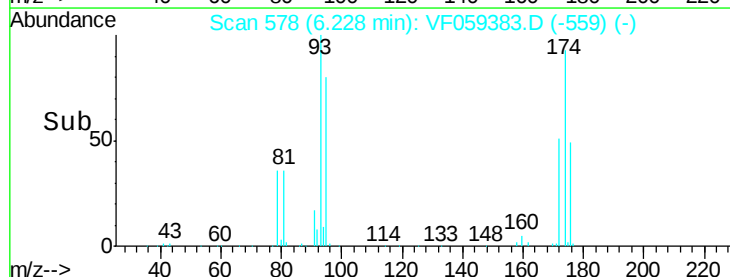
20000

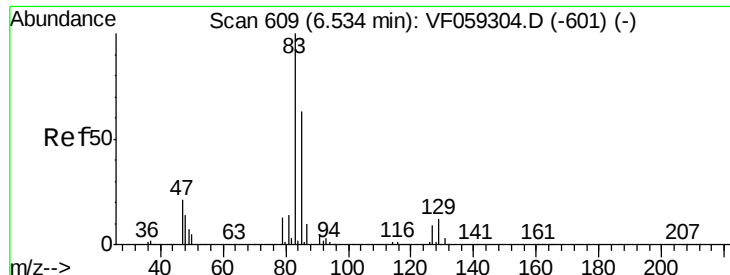
10000

0

6.10 6.20 6.30 6.40

Time-->





#47

Bromodichloromethane

Concen: 51.80 ug/l

RT: 6.52 min Scan# 608

Delta R.T. -0.01 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

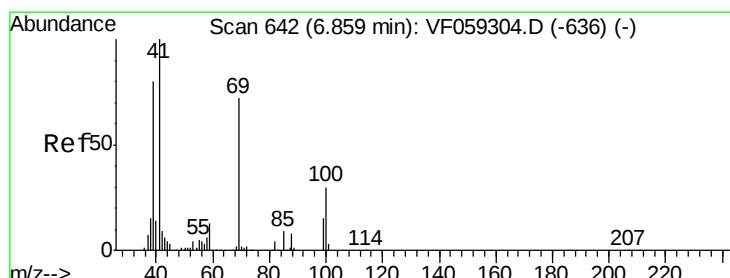
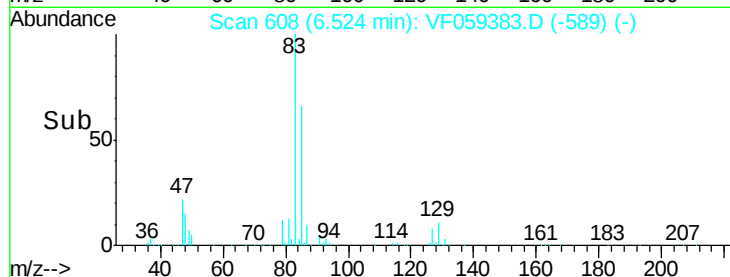
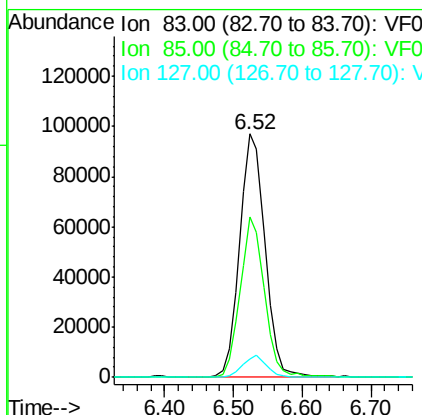
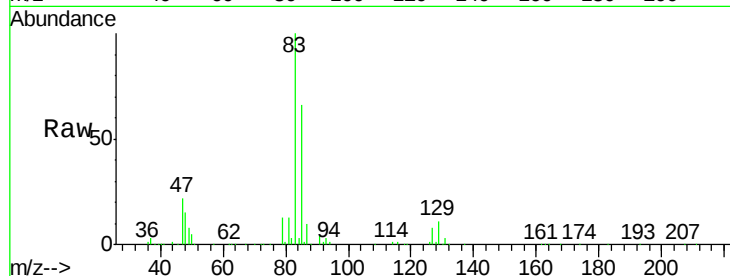
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	249111
Ion Ratio	Lower	Upper	
83	100		
85	66.0	50.2	75.2
127	7.6	7.0	10.4

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#48

Methyl methacrylate

Concen: 54.07 ug/l

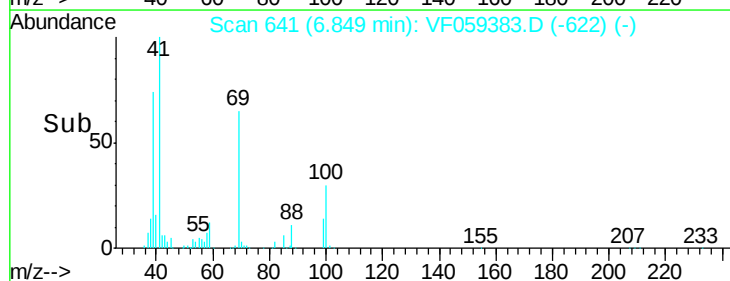
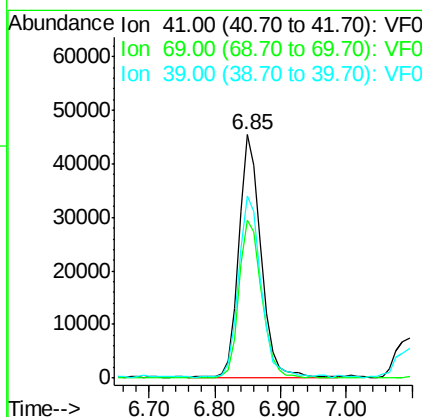
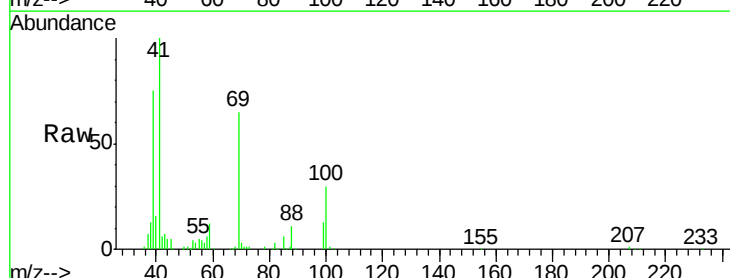
RT: 6.85 min Scan# 641

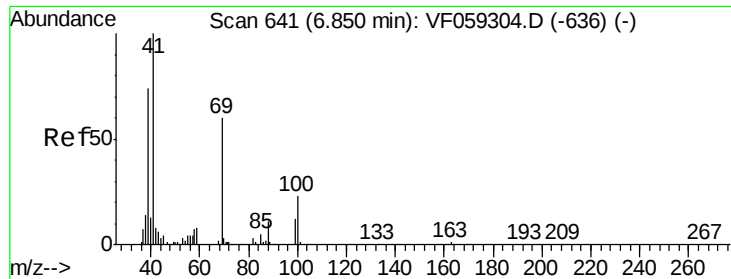
Delta R.T. -0.01 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Tgt Ion:	41	Resp:	109058
Ion Ratio	Lower	Upper	
41	100		
69	64.7	57.3	85.9
39	74.6	64.4	96.6





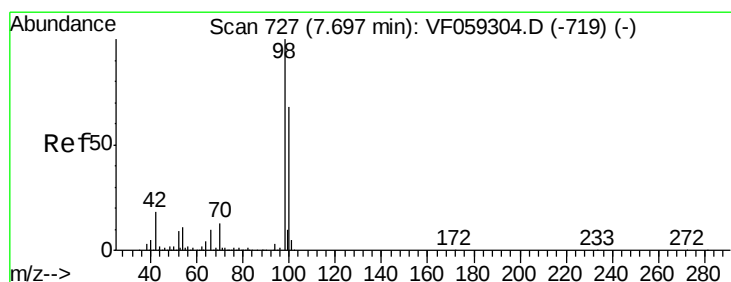
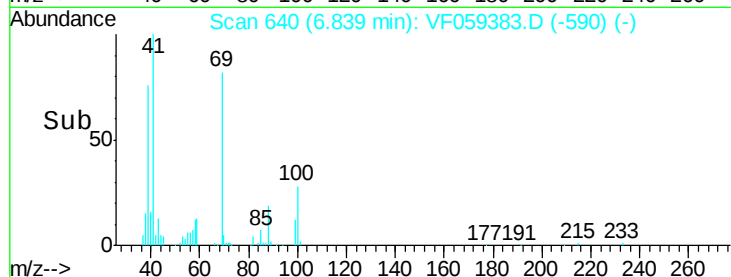
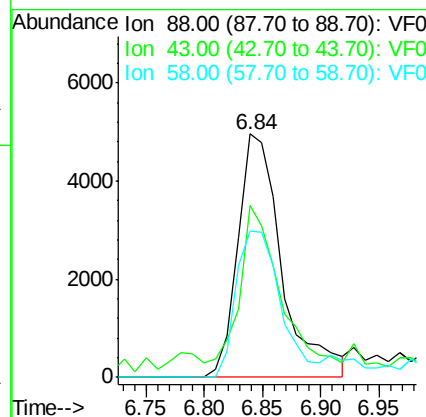
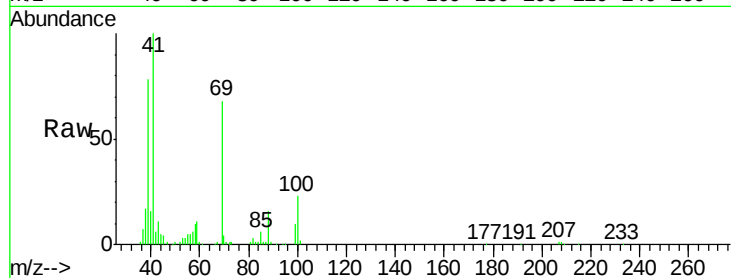
#49
1,4-Dioxane
Concen: 1216.47 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.01 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	70.4	50.6	75.8
58	60.2	46.6	69.8

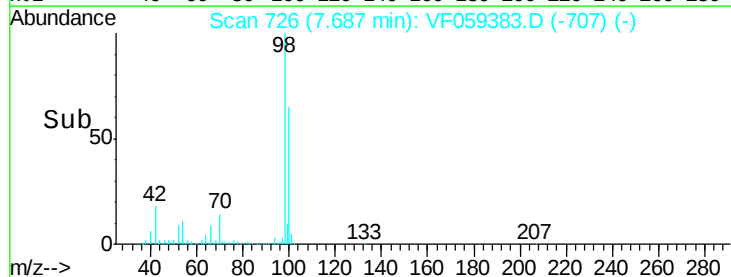
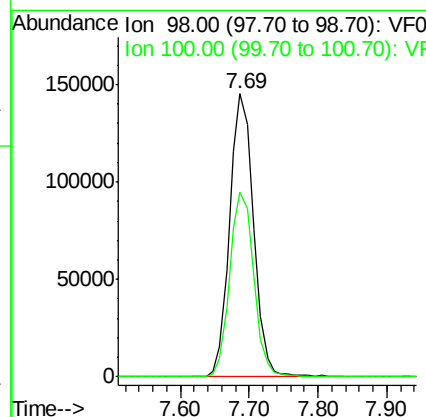
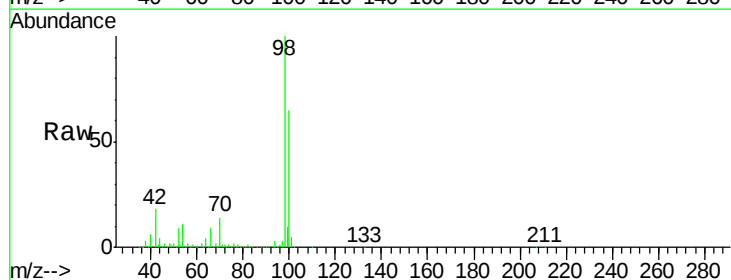
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#50
Toluene-d8
Concen: 46.72 ug/l
RT: 7.69 min Scan# 726
Delta R.T. -0.01 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	54.6	82.0





#51

4-Methyl-2-Pentanone

Concen: 268.64 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 598979

Ion Ratio Lower Upper

43 100

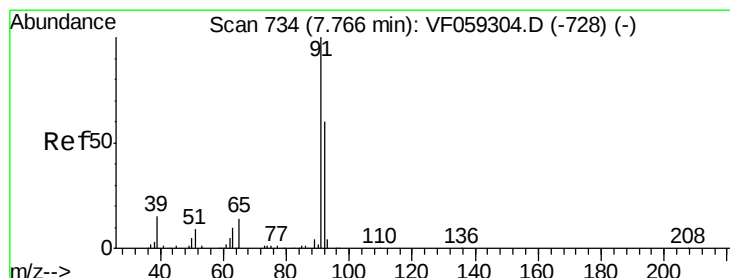
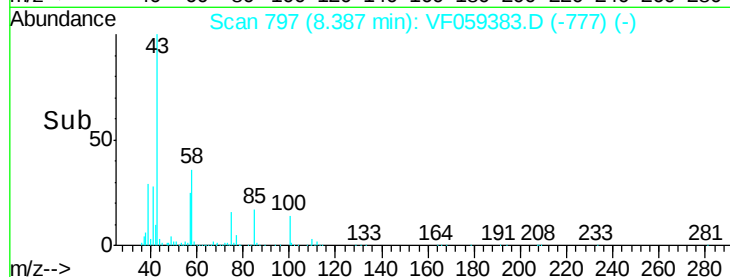
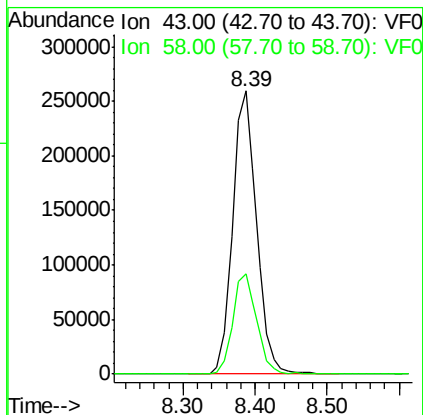
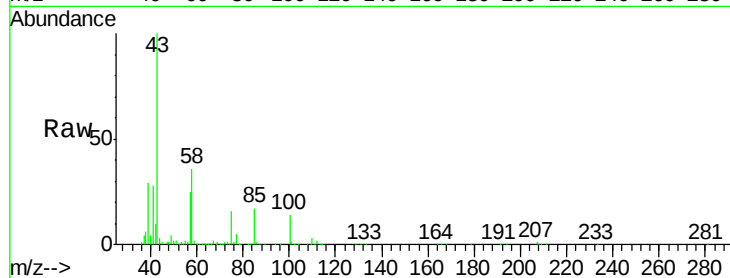
58 35.6 28.4 42.6

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#52

Toluene

Concen: 46.43 ug/l

RT: 7.76 min Scan# 733

Delta R.T. -0.01 min

Lab File: VF059383.D

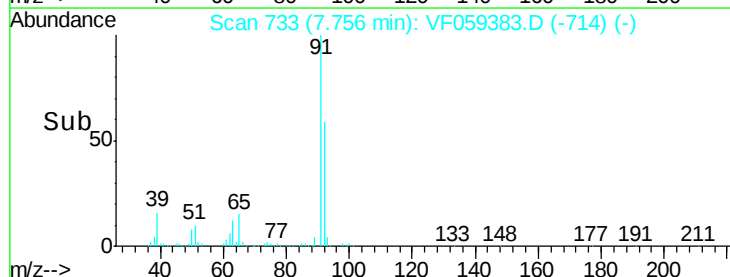
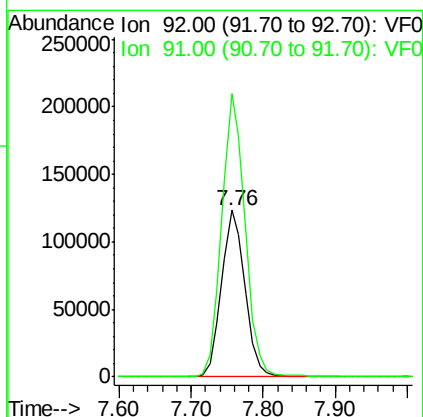
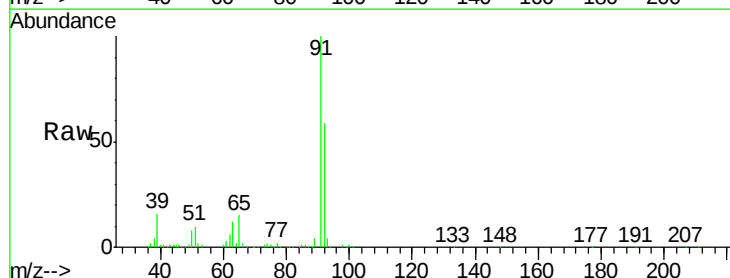
Acq: 2 Jul 2018 13:05

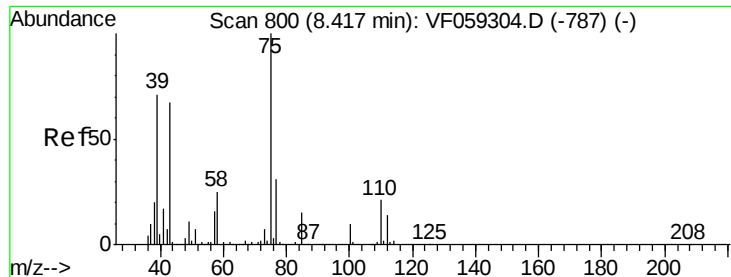
Tgt Ion: 92 Resp: 278309

Ion Ratio Lower Upper

92 100

91 169.9 132.8 199.2





#53

t-1,3-Dichloropropene

Concen: 51.92 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.01 min

Lab File: VF059383.D

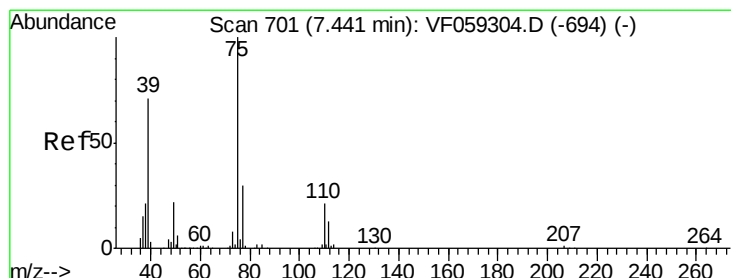
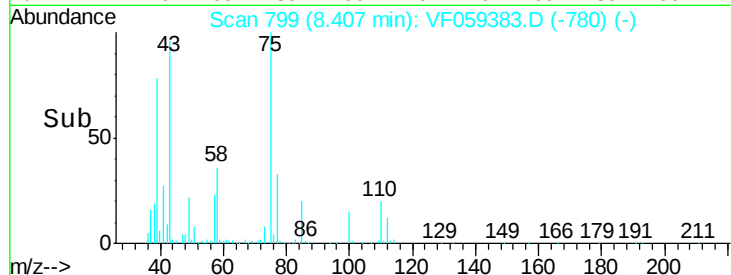
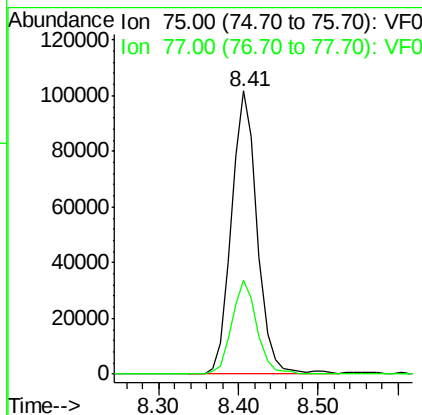
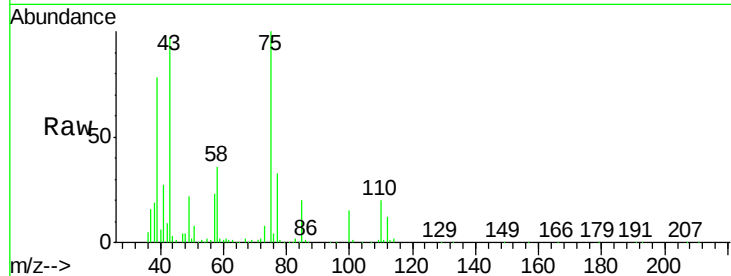
Acq: 2 Jul 2018 13:05

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.4	25.3	37.9

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

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#54

cis-1,3-Dichloropropene

Concen: 50.32 ug/l

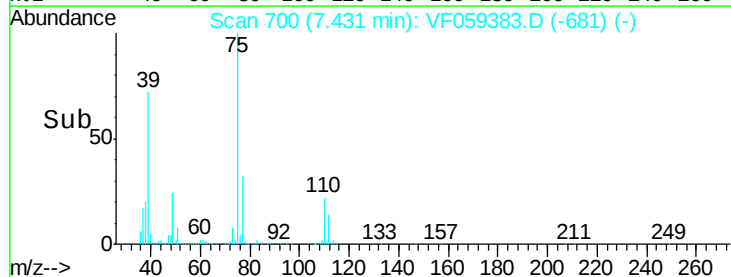
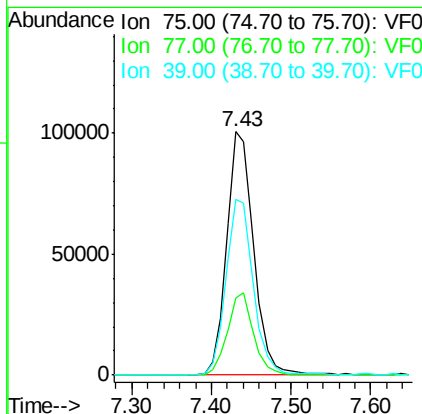
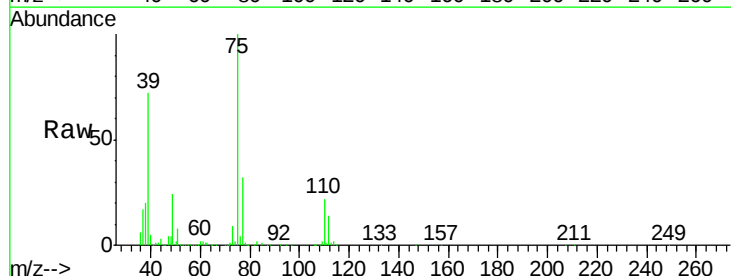
RT: 7.43 min Scan# 700

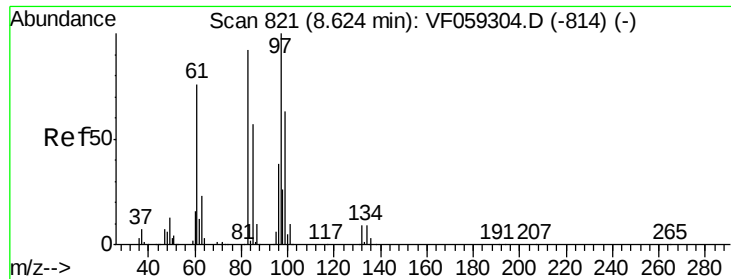
Delta R.T. -0.01 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.3	36.5
39	72.1	57.2	85.8





#55

1,1,2-Trichloroethane

Concen: 52.22 ug/l

RT: 8.61 min Scan# 820

Delta R.T. -0.01 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

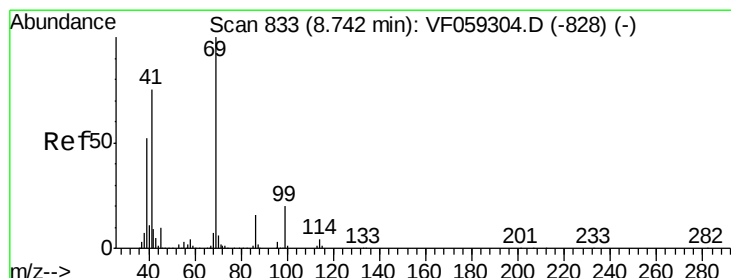
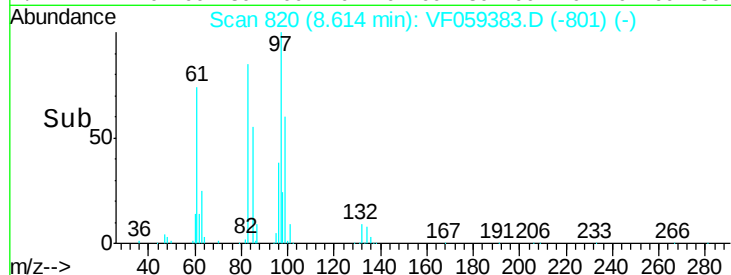
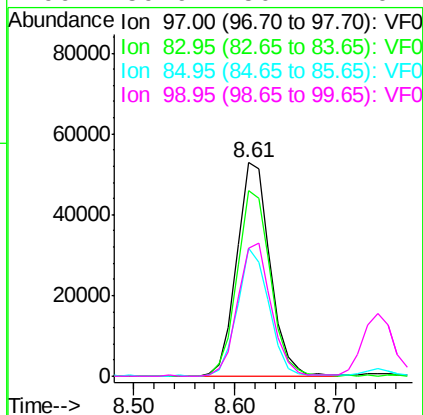
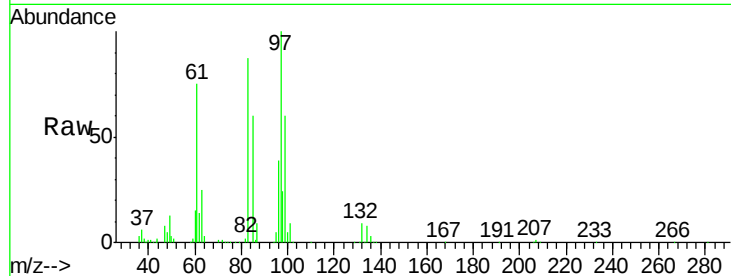
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	121541
Ion	Ratio	Lower	Upper
97	100		
83	86.8	73.8	110.8
85	59.9	45.5	68.3
99	59.9	50.7	76.1

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#56

Ethyl methacrylate

Concen: 51.61 ug/l

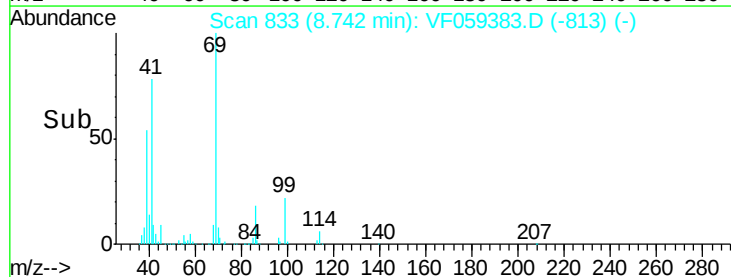
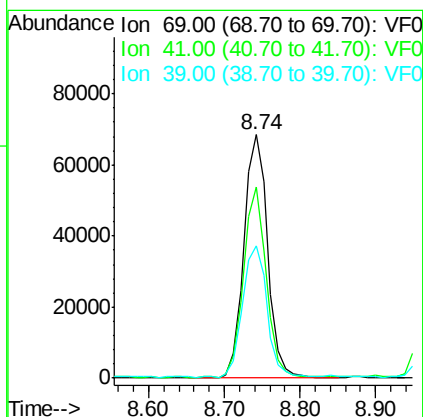
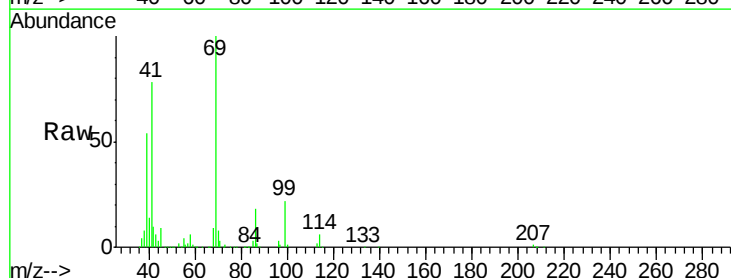
RT: 8.74 min Scan# 833

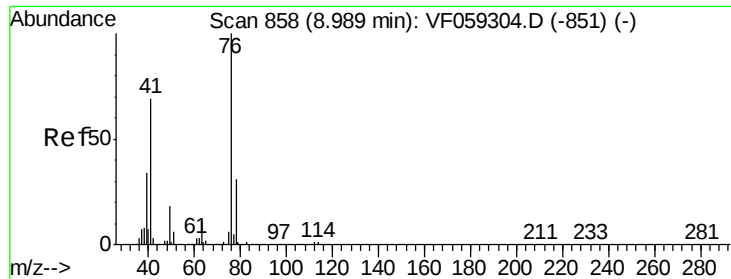
Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Tgt Ion:	69	Resp:	148799
Ion	Ratio	Lower	Upper
69	100		
41	78.4	60.3	90.5
39	54.4	42.2	63.4





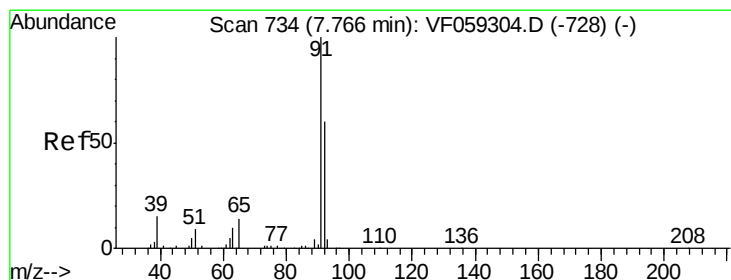
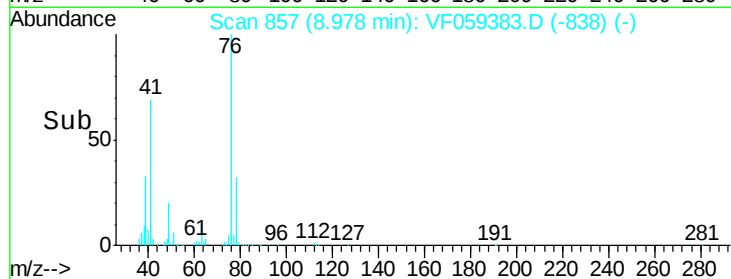
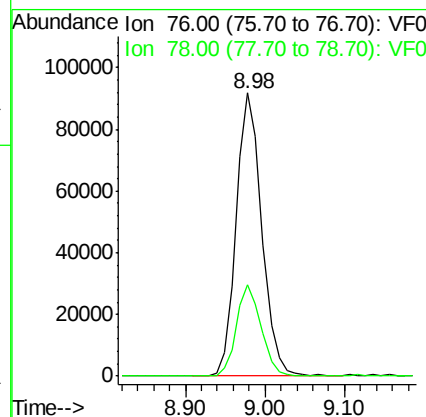
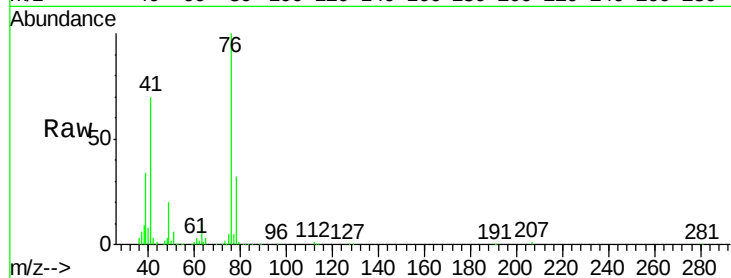
#57
 1,3-Dichloropropane
 Concen: 51.57 ug/l
 RT: 8.98 min Scan# 857
 Delta R.T. -0.01 min
 Lab File: VF059383.D
 Acq: 2 Jul 2018 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	24.9	37.3

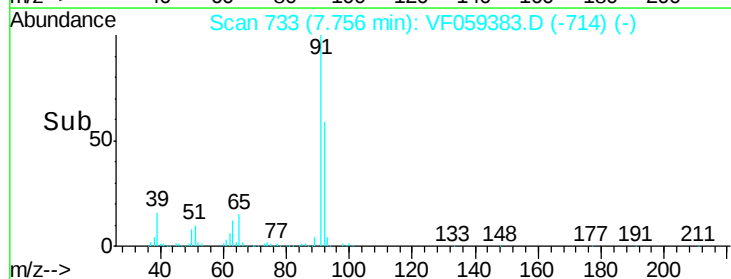
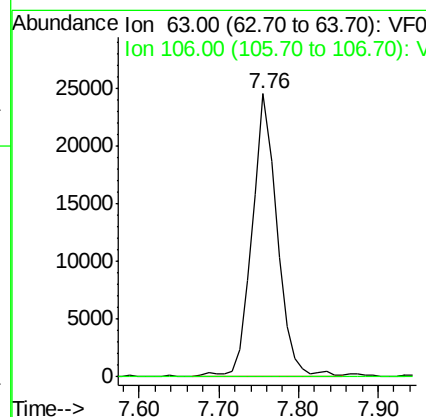
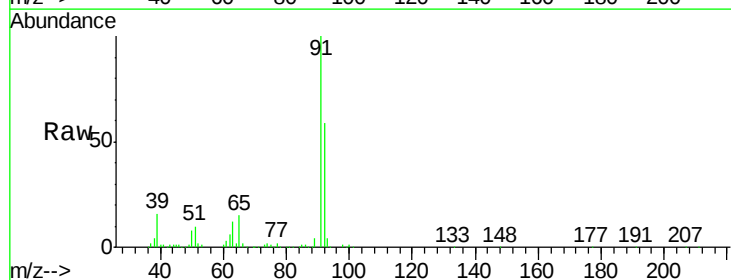
Manual Integrations
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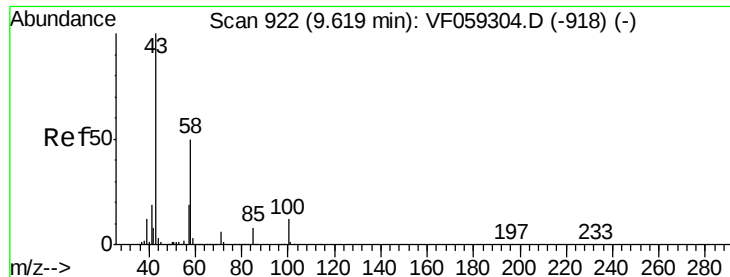
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 244.87 ug/l
 RT: 7.76 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: VF059383.D
 Acq: 2 Jul 2018 13:05

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	0.0	0.0





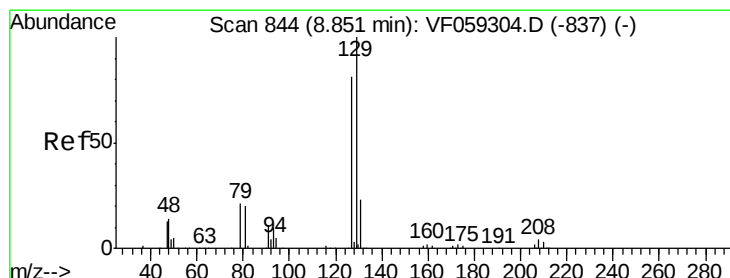
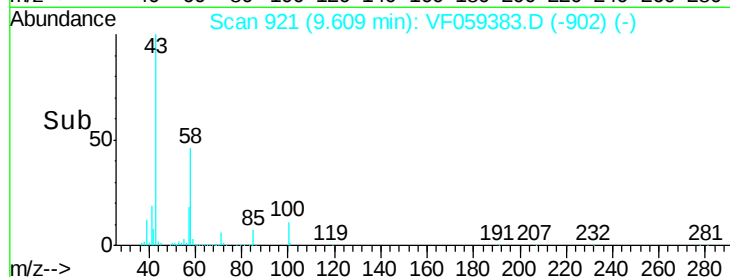
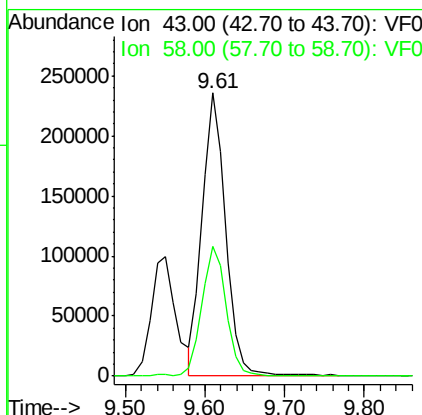
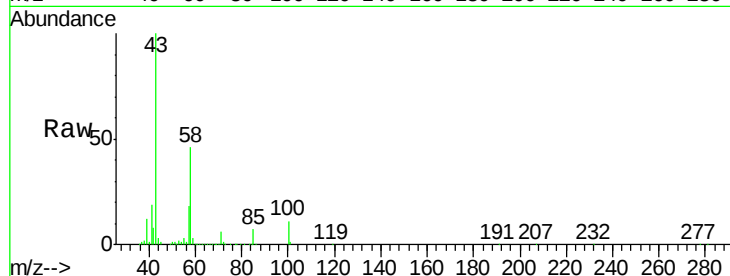
#59
2-Hexanone
Concen: 289.10 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.01 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 479827
Ion Ratio Lower Upper
43 100
58 46.0 23.3 69.9

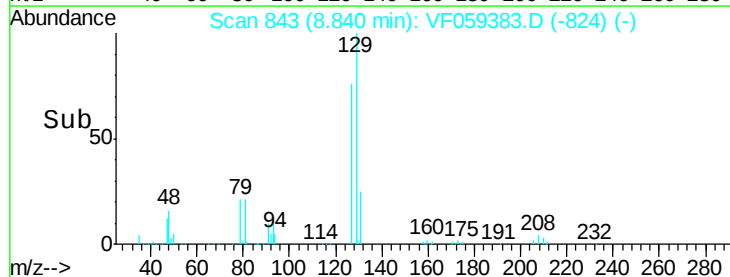
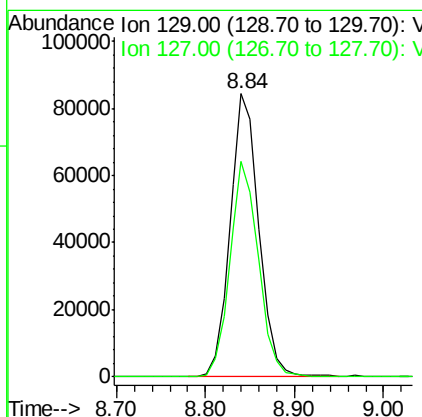
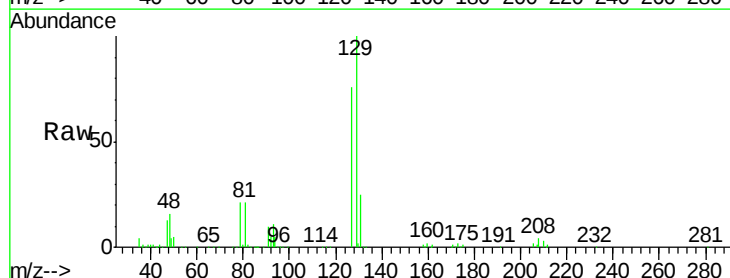
Manual Integrations
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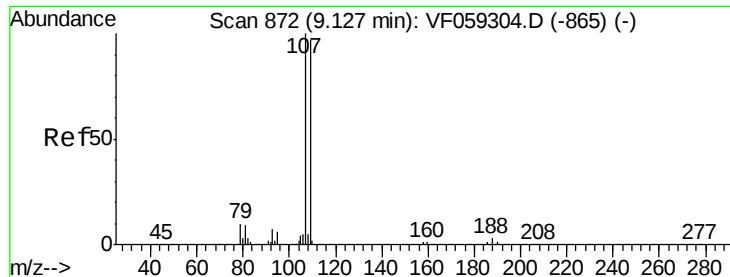
apatel
7/3/2018 10:34:26 AM



#60
Dibromochloromethane
Concen: 53.09 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.01 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Tgt Ion: 129 Resp: 190782
Ion Ratio Lower Upper
129 100
127 76.3 40.7 122.1





#61

1,2-Dibromoethane

Concen: 50.51 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.01 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 142567

Ion Ratio Lower Upper

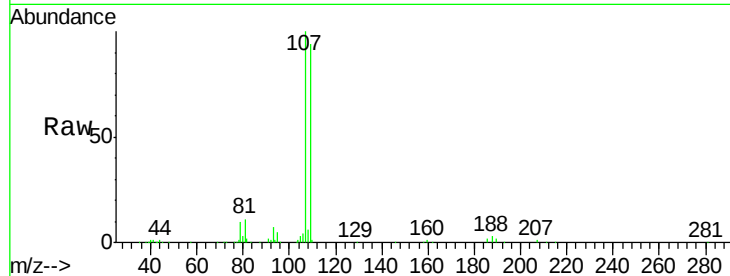
107 100

109 94.2 77.3 115.9

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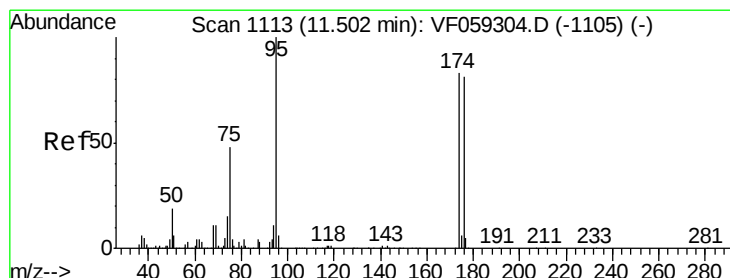
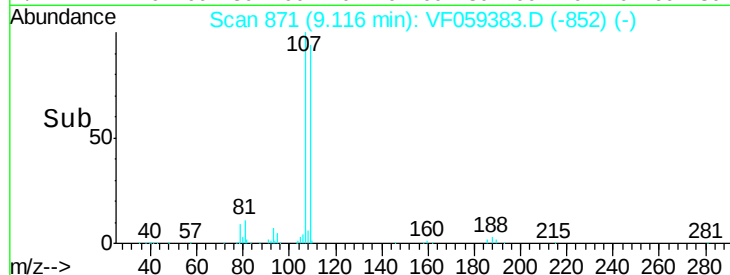
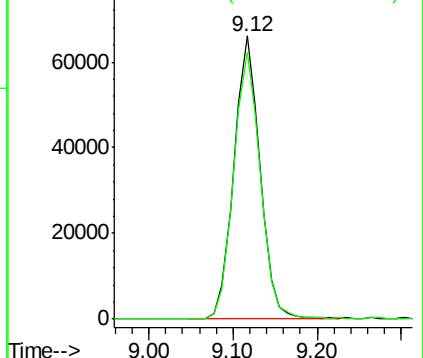
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.05 ug/l

RT: 11.49 min Scan# 1112

Delta R.T. -0.01 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

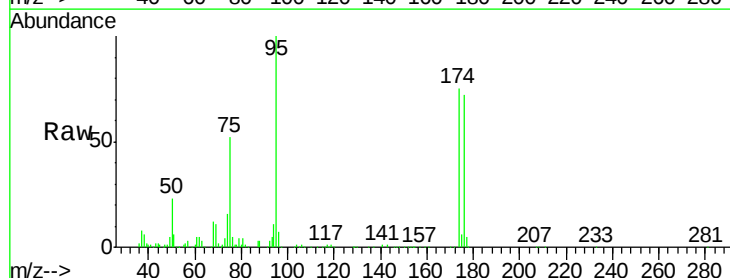
Tgt Ion: 95 Resp: 194348

Ion Ratio Lower Upper

95 100

174 74.5 0.0 165.2

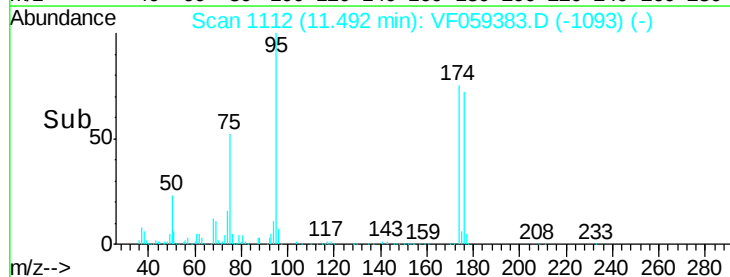
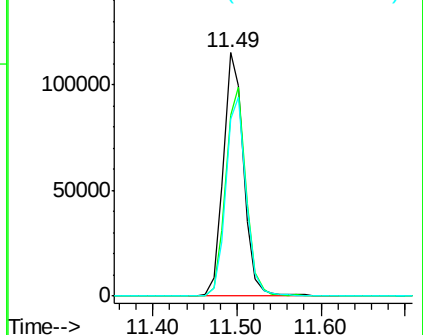
176 72.5 0.0 161.0

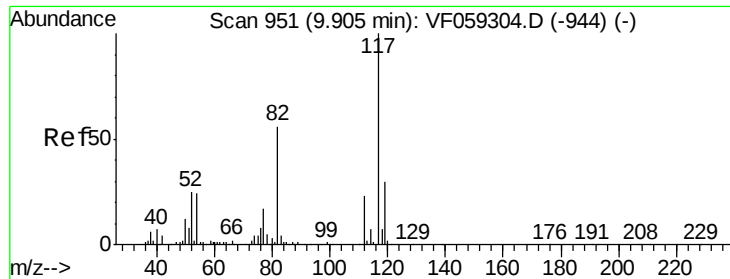


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





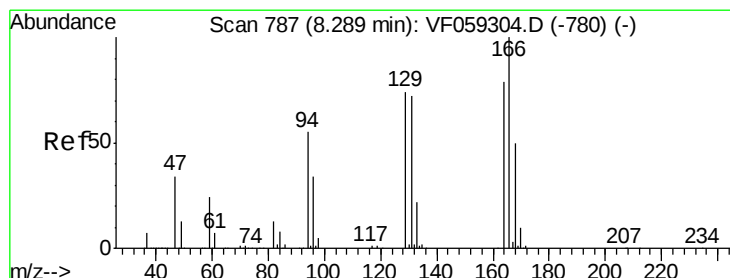
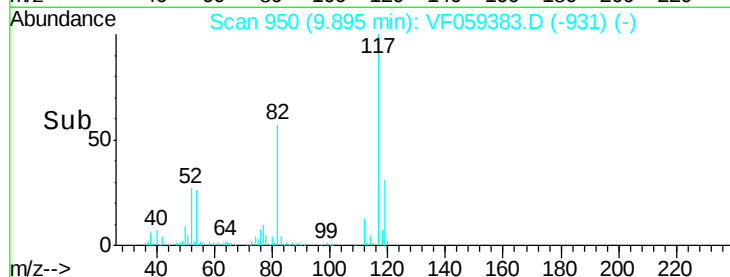
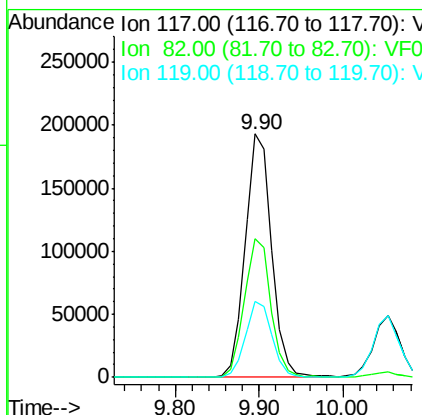
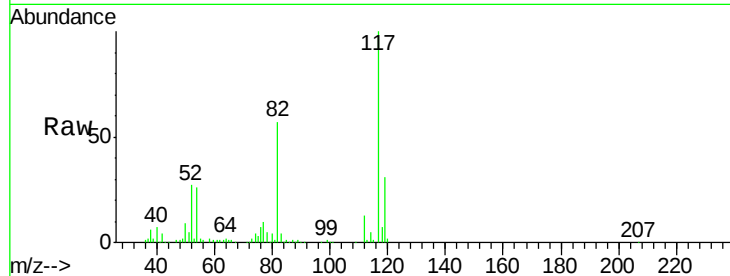
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.01 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.6	66.8
119	31.1	24.1	36.1

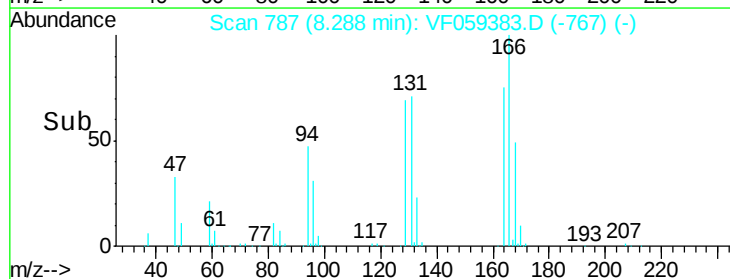
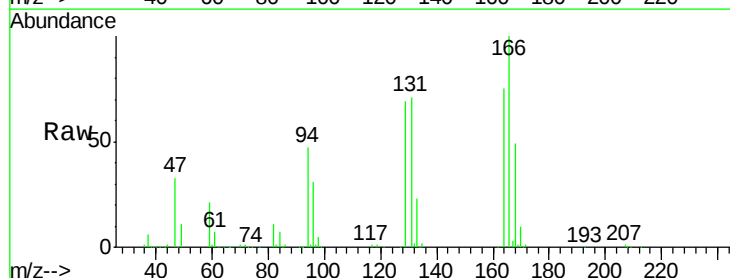
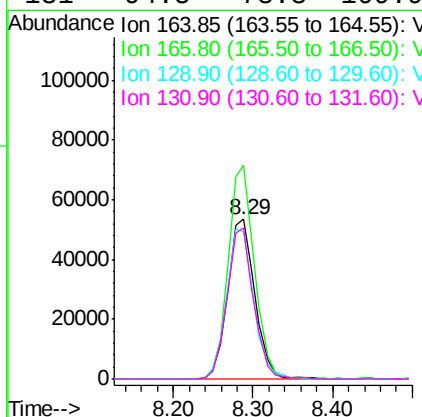
Manual Integrations
APPROVED

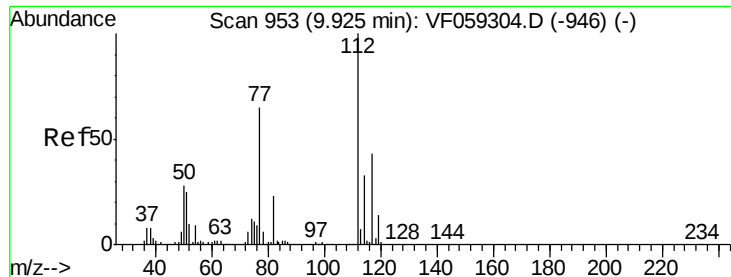
apatel
7/3/2018 10:34:26 AM



#64
Tetrachloroethene
Concen: 46.53 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.00 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.7	101.1	151.7
129	92.0	75.0	112.4
131	94.5	73.3	109.9





#65

Chlorobenzene

Concen: 47.32 ug/l

RT: 9.92 min Scan# 953

Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 371786

Ion Ratio Lower Upper

112 100

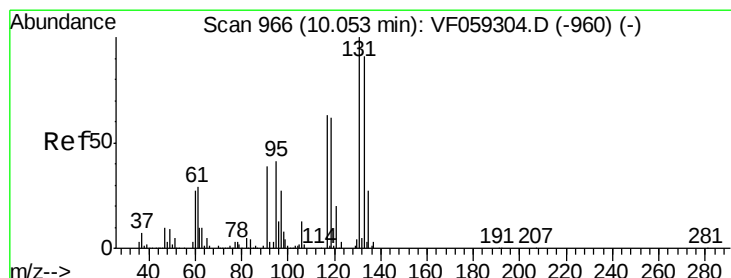
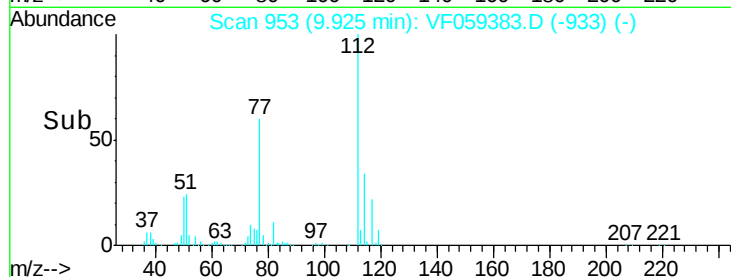
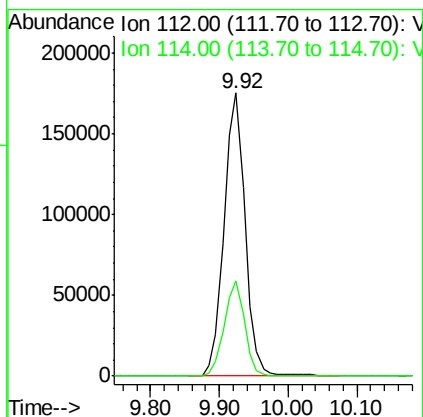
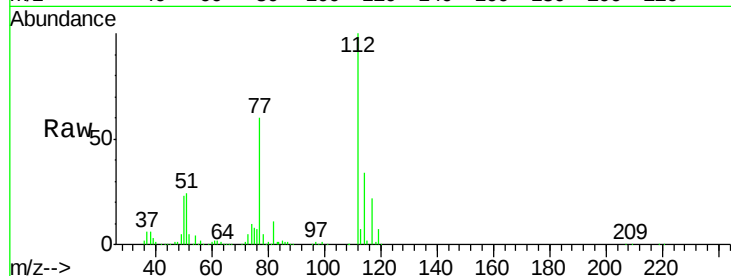
114 33.8 26.5 39.7

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 49.07 ug/l

RT: 10.05 min Scan# 966

Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

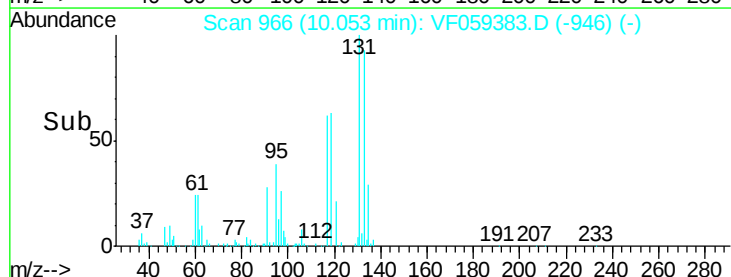
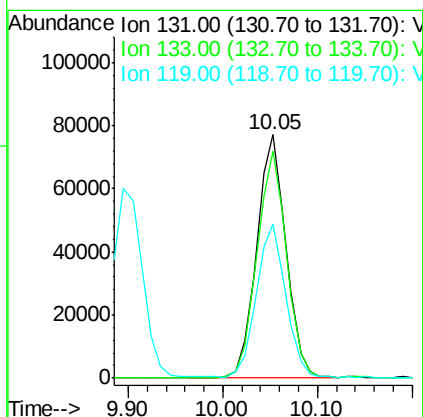
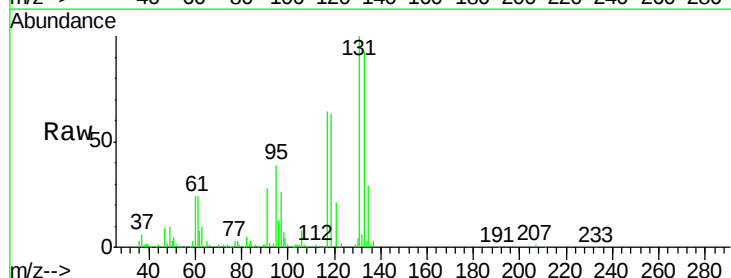
Tgt Ion:131 Resp: 166730

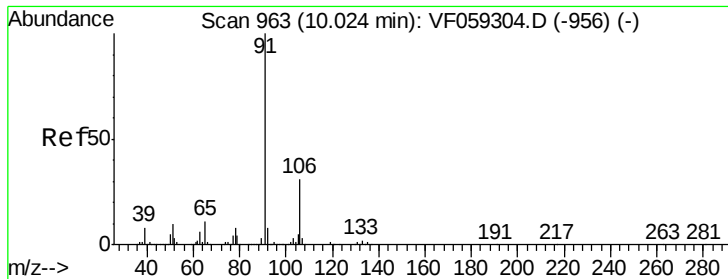
Ion Ratio Lower Upper

131 100

133 93.3 45.3 135.9

119 63.2 31.3 93.9





#67

Ethyl Benzene

Concen: 47.55 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 633789

Ion Ratio Lower Upper

91 100

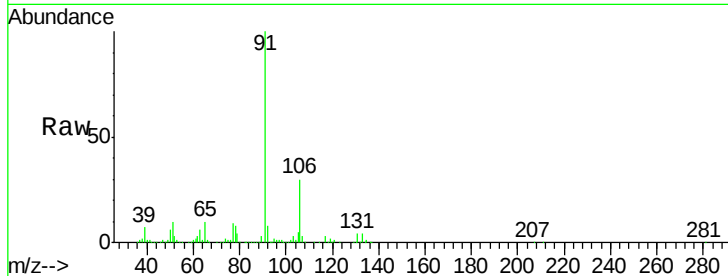
106 30.0 24.8 37.2

Manual Integrations

APPROVED

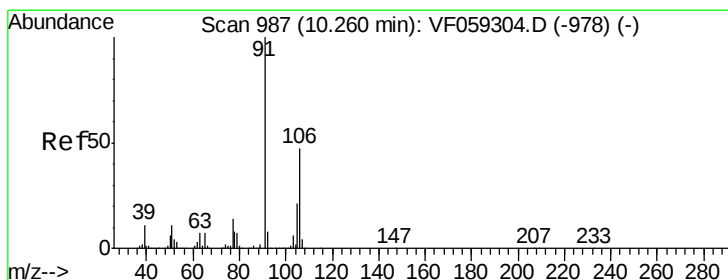
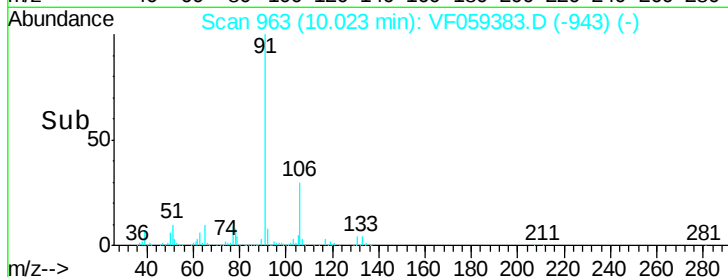
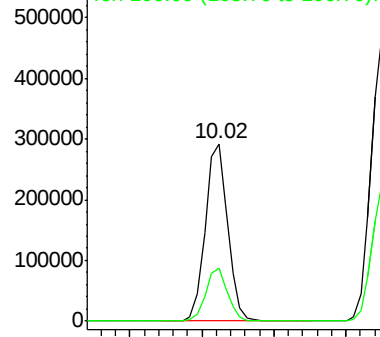
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 93.76 ug/l

RT: 10.25 min Scan# 986

Delta R.T. -0.01 min

Lab File: VF059383.D

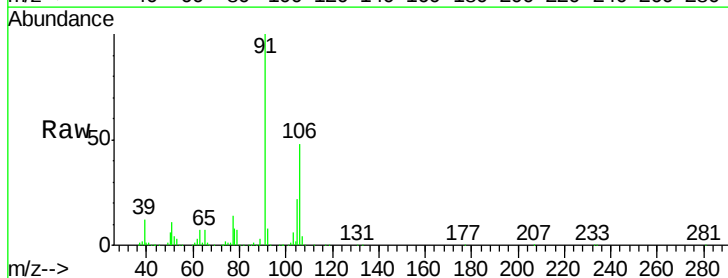
Acq: 2 Jul 2018 13:05

Tgt Ion: 106 Resp: 444775

Ion Ratio Lower Upper

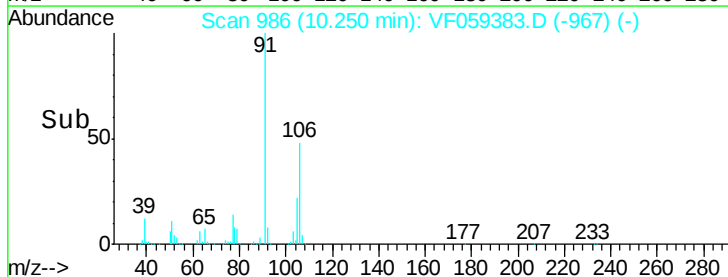
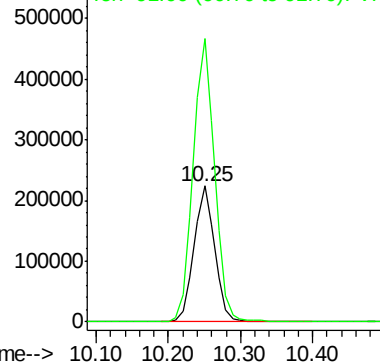
106 100

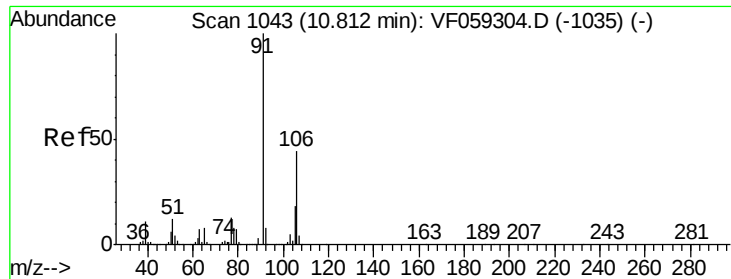
91 208.7 170.8 256.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





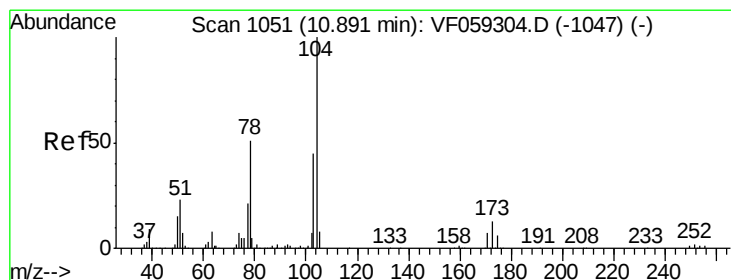
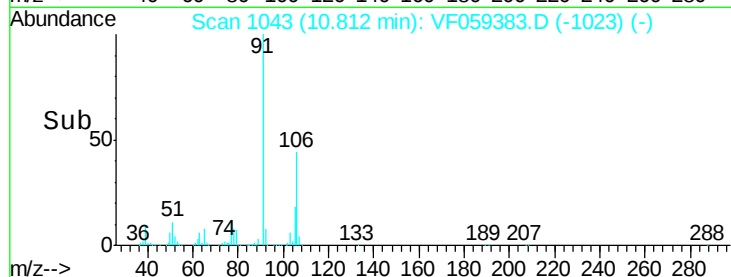
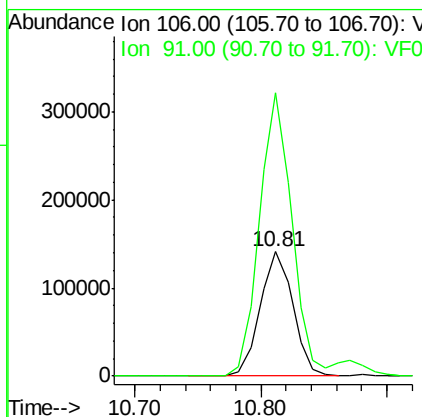
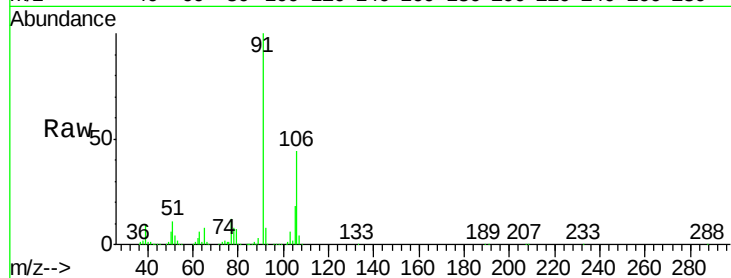
#69
o-Xylene
Concen: 48.45 ug/l
RT: 10.81 min Scan# 1043
Delta R.T. -0.00 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	227.7	114.6	343.6

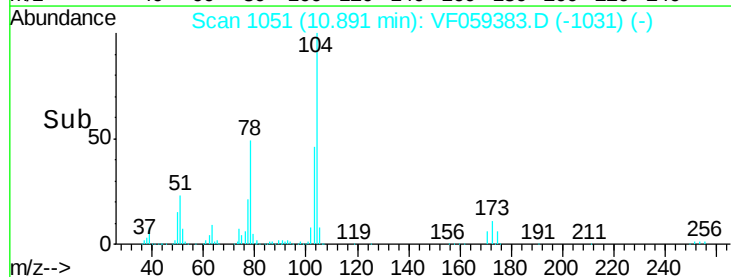
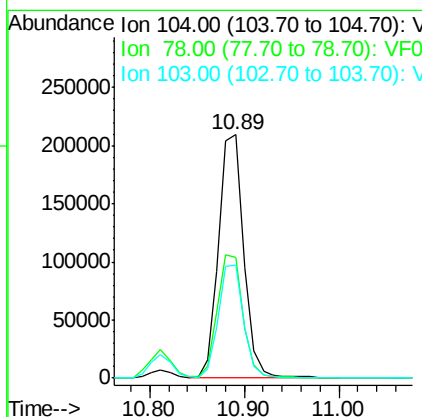
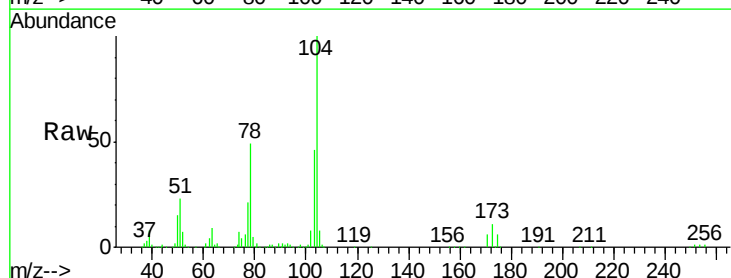
Manual Integrations
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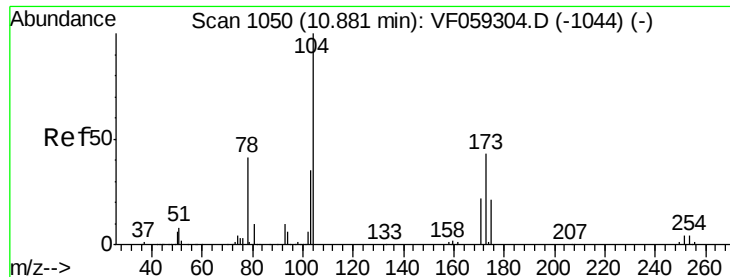
apatel
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#70
Styrene
Concen: 47.86 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.4	40.9	61.3
103	46.5	36.5	54.7





#71

Bromoform

Concen: 53.37 ug/l

RT: 10.87 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

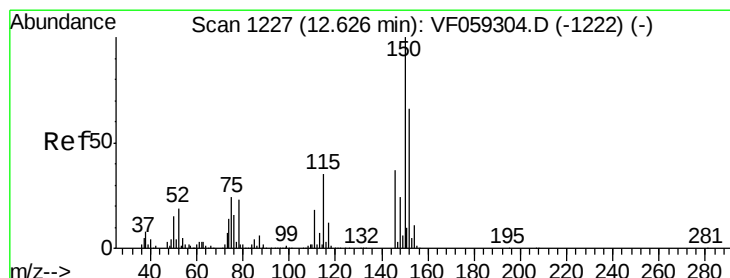
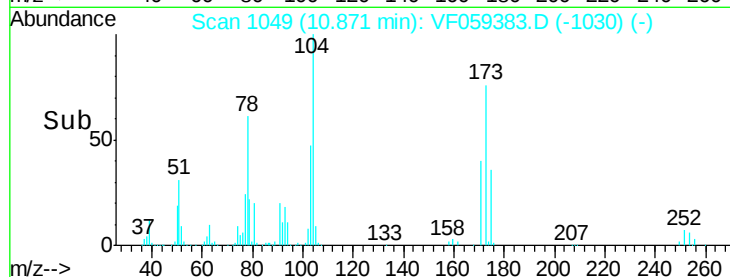
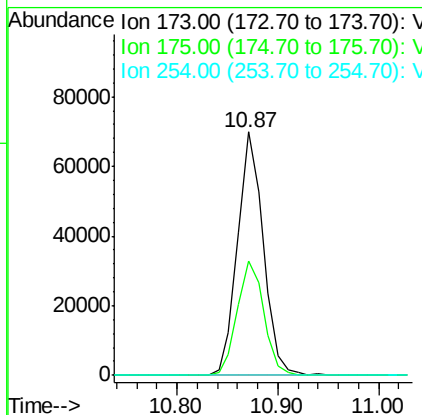
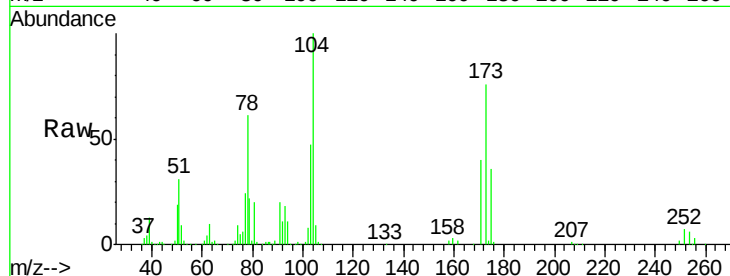
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	47.1	24.8	74.3		
254	0.3	0.0	0.0		

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

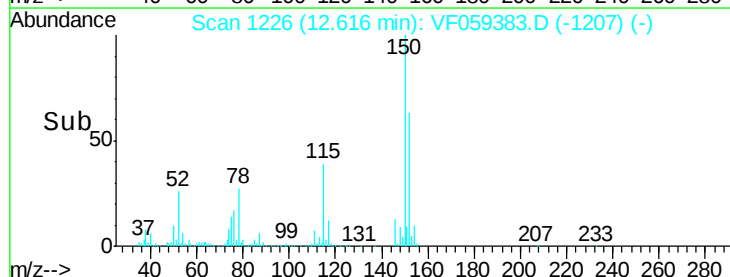
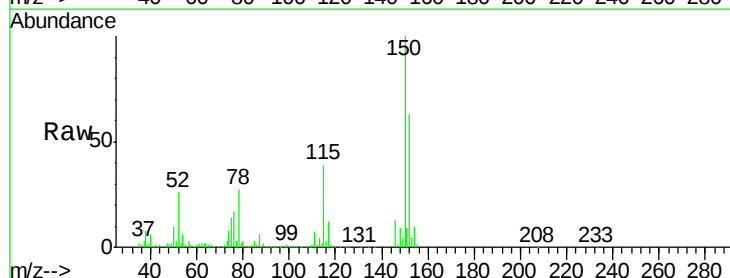
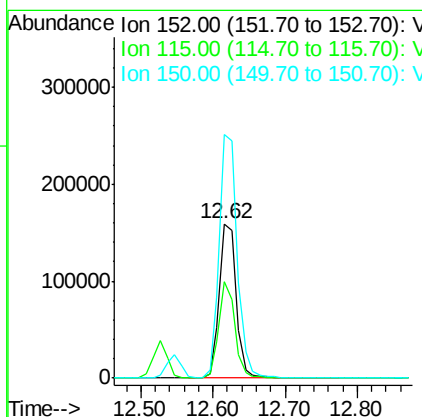
RT: 12.62 min Scan# 1226

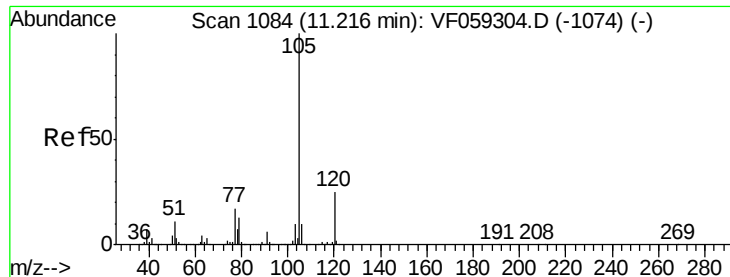
Delta R.T. -0.01 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	62.0	27.1	81.3		
150	157.6	0.0	305.2		





#73

Isopropylbenzene

Concen: 48.48 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 726975

Ion Ratio Lower Upper

105 100

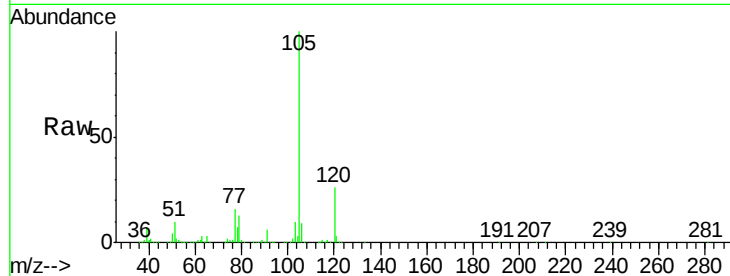
120 26.4 12.3 36.8

Manual Integrations

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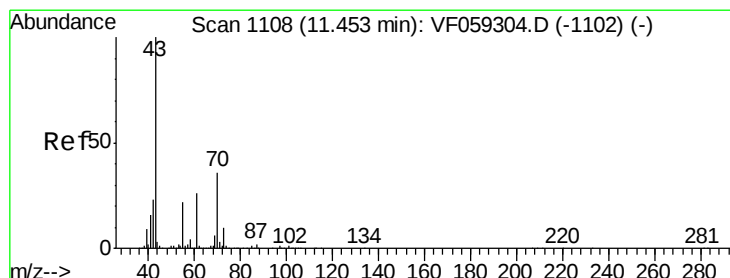
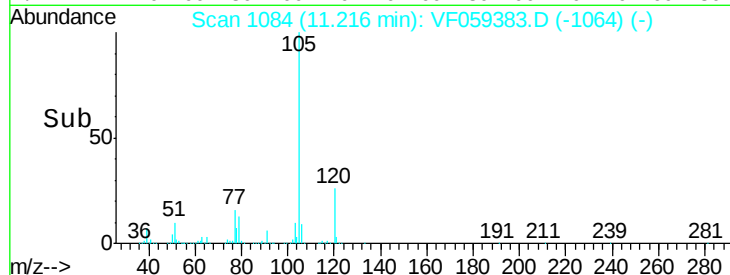
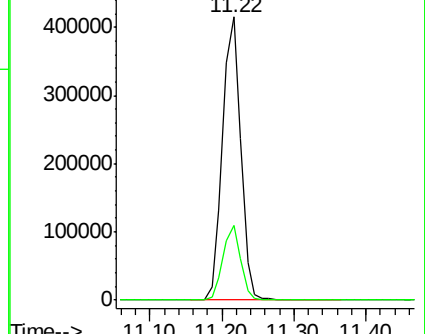
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.56 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Tgt Ion: 43 Resp: 280609

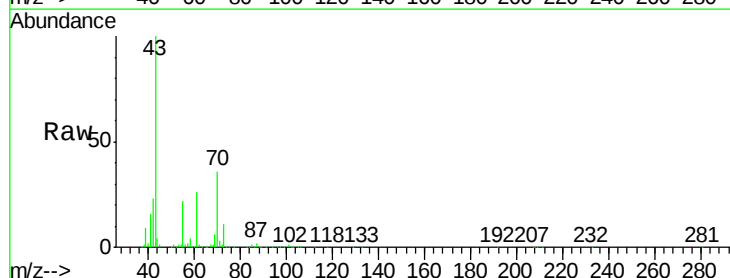
Ion Ratio Lower Upper

43 100

70 35.9 28.8 43.2

55 22.4 17.4 26.0

61 26.4 21.1 31.7

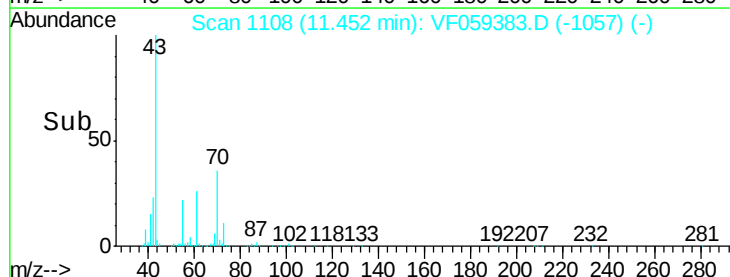
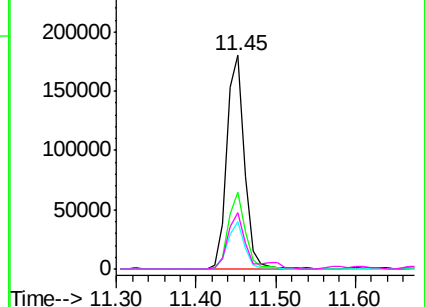


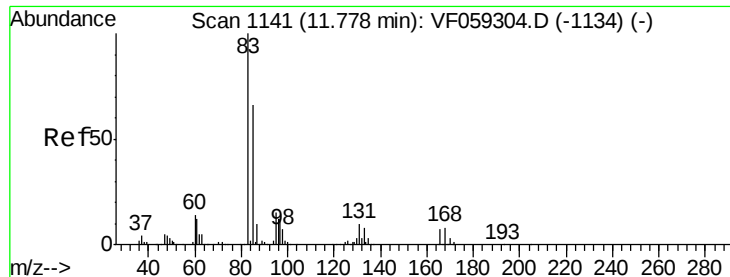
Abundance Ion 43.00 (42.70 to 43.70): VF0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 51.23 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.01 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

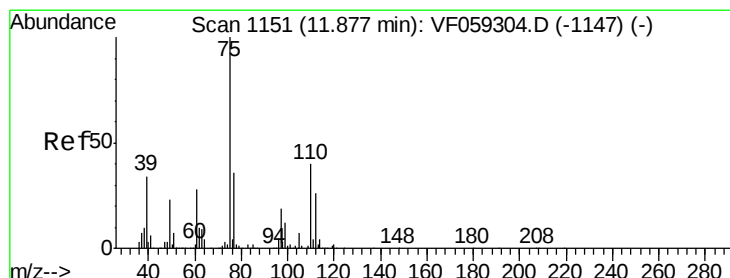
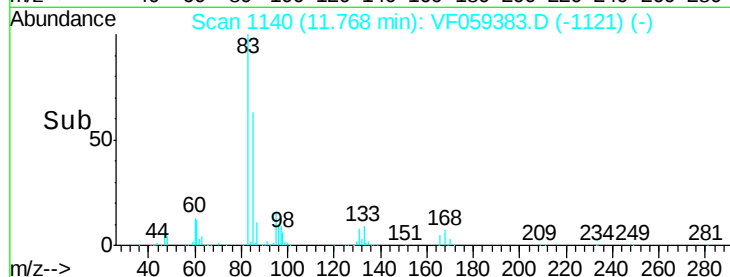
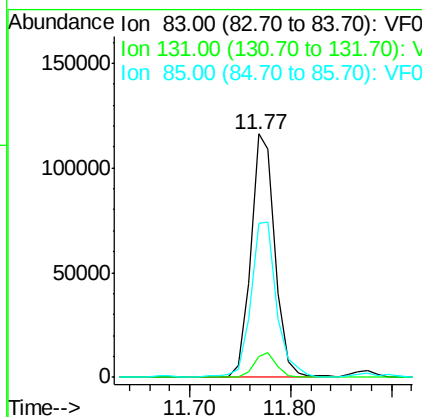
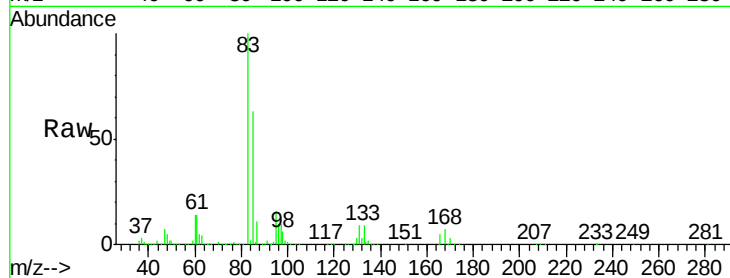
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	194038
Ion Ratio		Lower	Upper
83	100		
131	8.8	4.9	14.6
85	63.3	32.8	98.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.52 ug/l

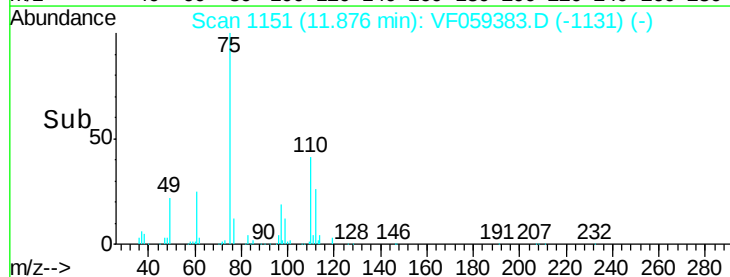
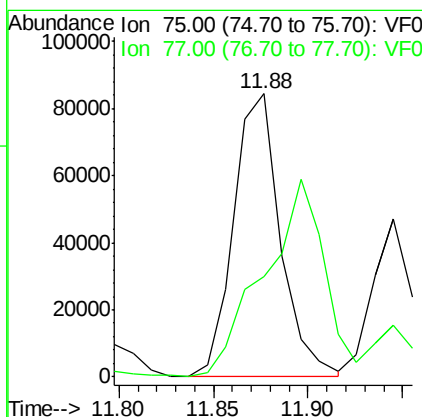
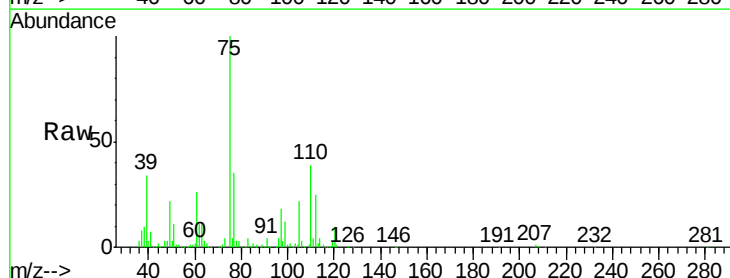
RT: 11.88 min Scan# 1151

Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Tgt Ion:	75	Resp:	144335
Ion Ratio		Lower	Upper
75	100		
77	35.4	18.0	54.0





#77

Bromobenzene

Concen: 48.85 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

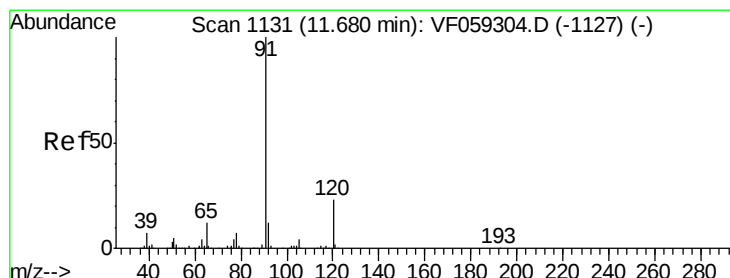
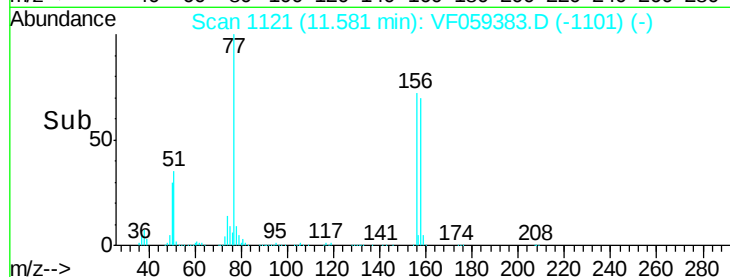
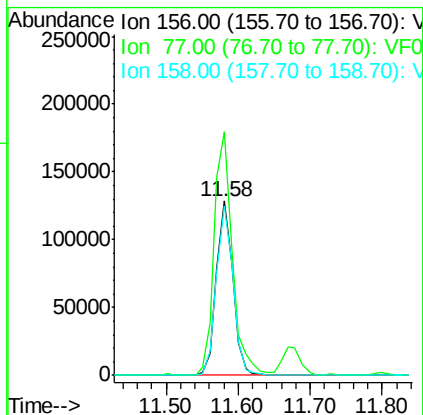
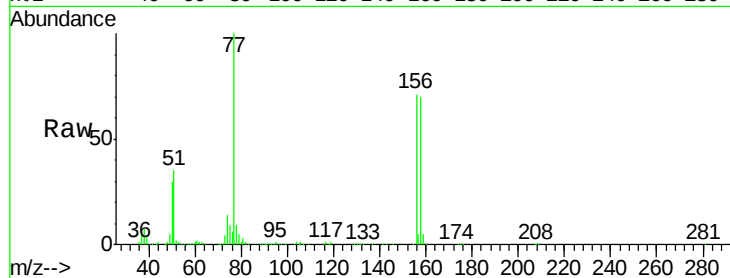
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	203250
Ion Ratio	Lower	Upper	
156	100		
77	140.0	79.7	238.9
158	97.4	46.2	138.6

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#78

n-propylbenzene

Concen: 45.59 ug/l

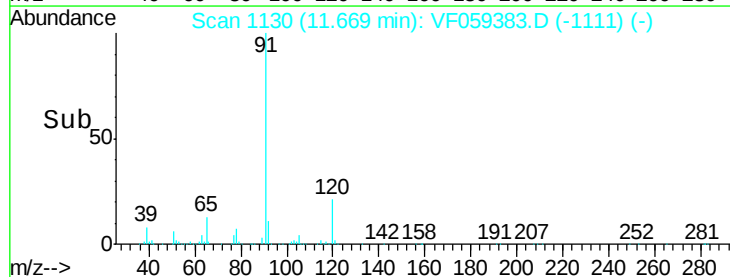
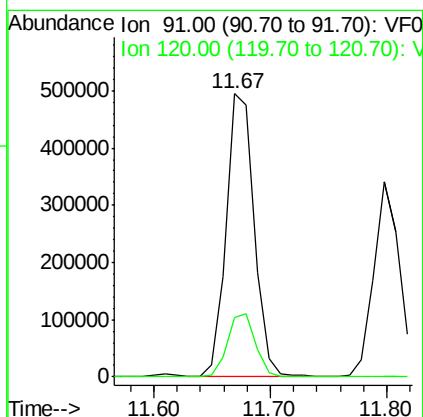
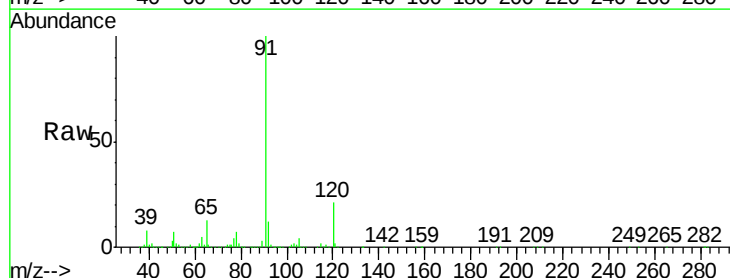
RT: 11.67 min Scan# 1130

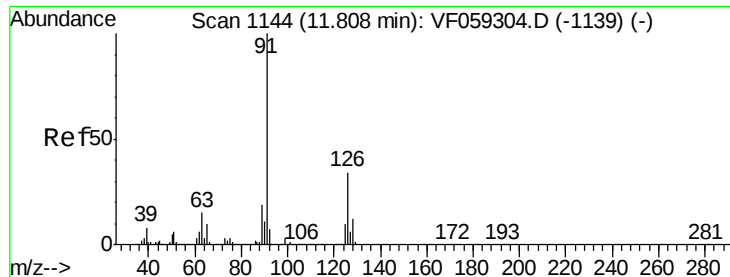
Delta R.T. -0.01 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Tgt Ion:	91	Resp:	821085
Ion Ratio	Lower	Upper	
91	100		
120	21.0	11.7	35.0





#79

2-Chlorotoluene

Concen: 47.35 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 521049

Ion Ratio Lower Upper

91 100

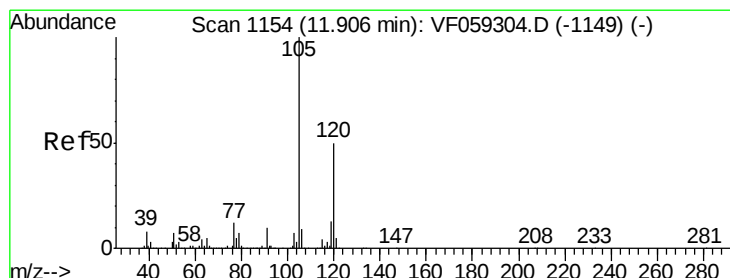
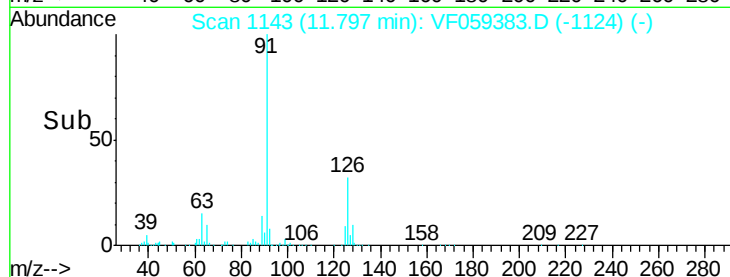
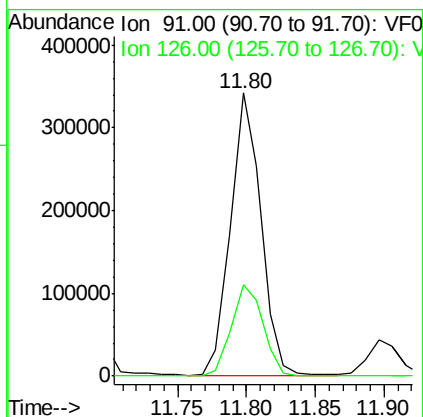
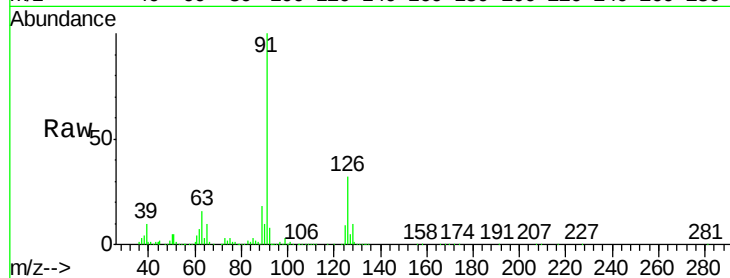
126 32.3 17.2 51.5

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#80

1,3,5-Trimethylbenzene

Concen: 48.73 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.01 min

Lab File: VF059383.D

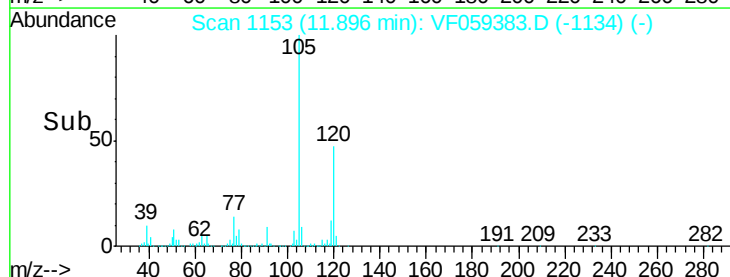
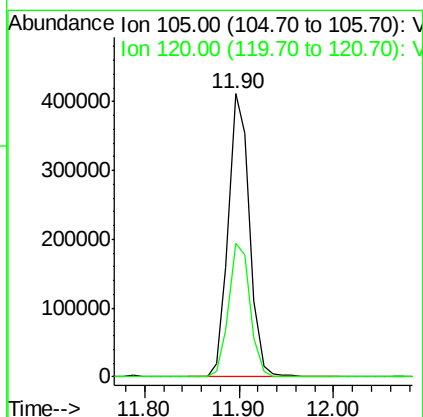
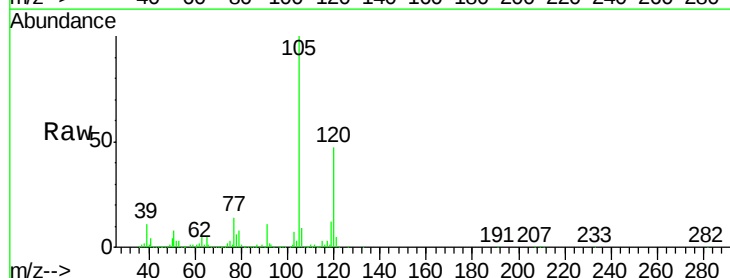
Acq: 2 Jul 2018 13:05

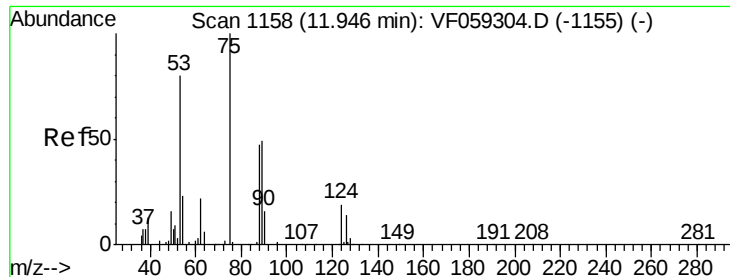
Tgt Ion: 105 Resp: 640166

Ion Ratio Lower Upper

105 100

120 47.1 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 51.65 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 87828

Ion Ratio Lower Upper

75 100

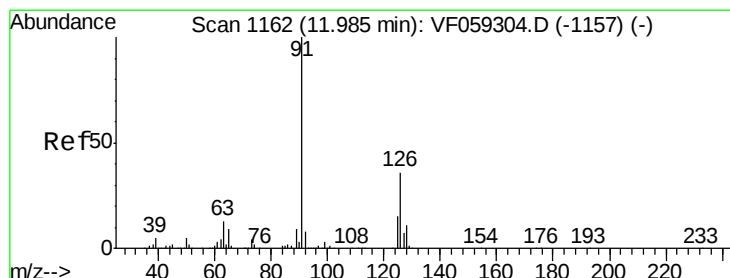
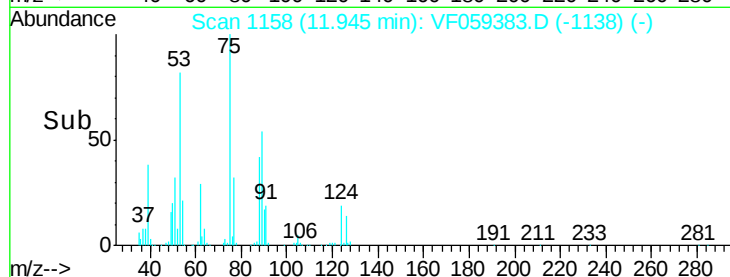
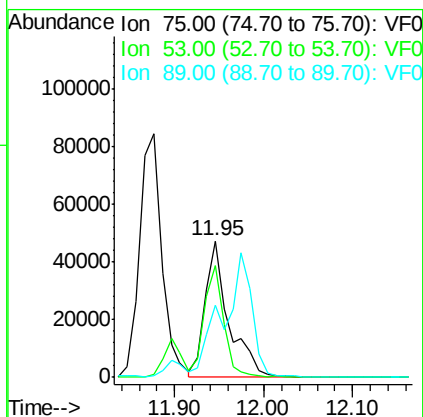
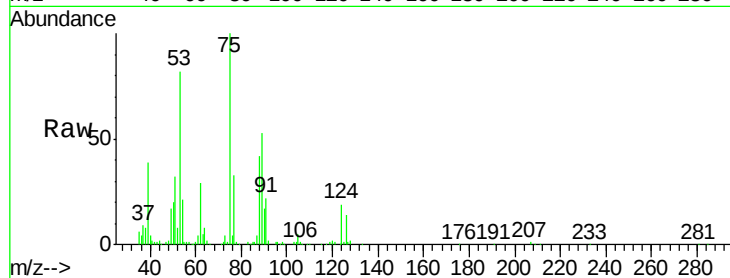
53 82.2 68.8 103.2

89 53.3 42.0 63.0

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#82

4-Chlorotoluene

Concen: 47.62 ug/l

RT: 11.97 min Scan# 1161

Delta R.T. -0.01 min

Lab File: VF059383.D

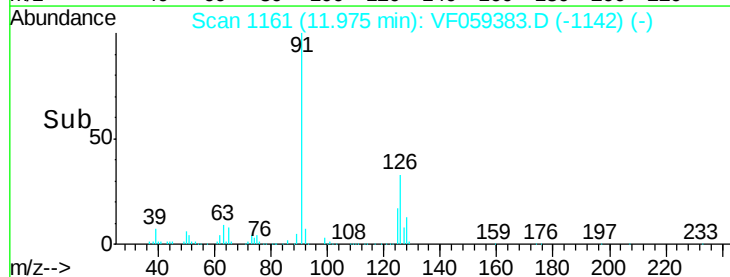
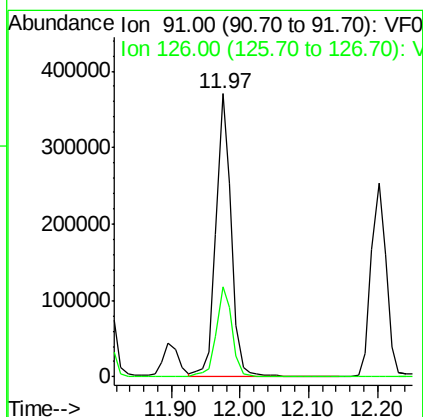
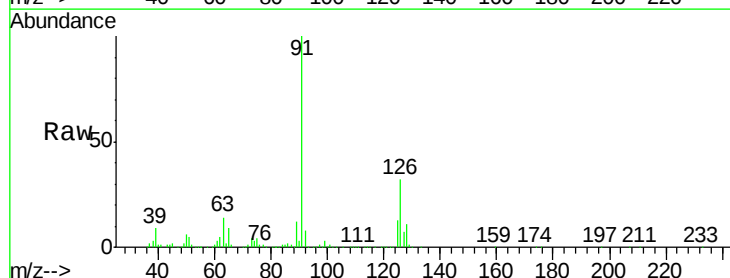
Acq: 2 Jul 2018 13:05

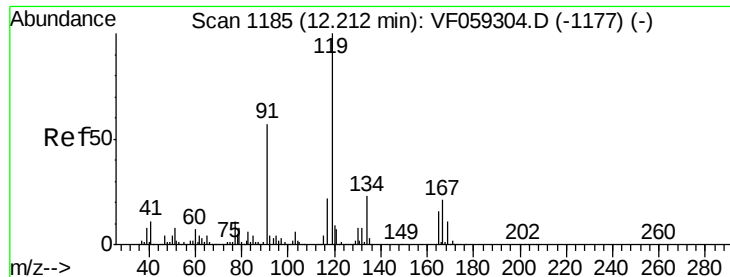
Tgt Ion: 91 Resp: 561264

Ion Ratio Lower Upper

91 100

126 32.1 18.2 54.6





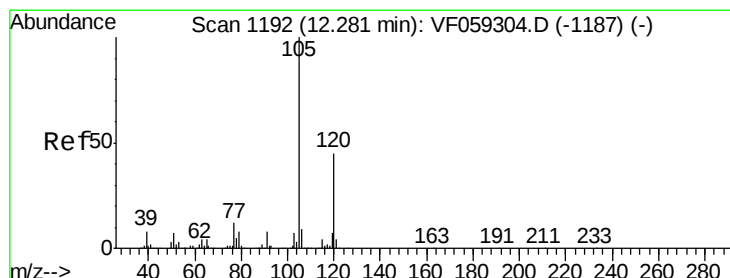
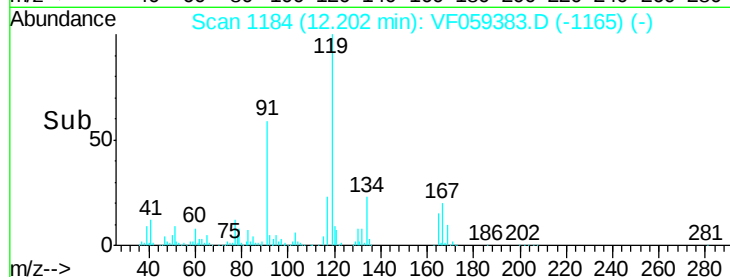
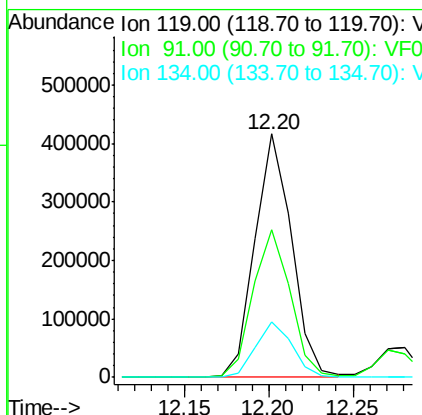
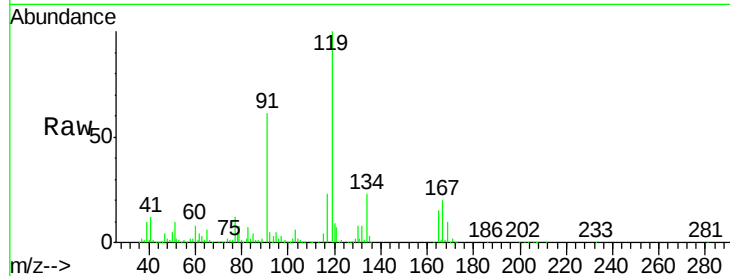
#83
 tert-Butylbenzene
 Concen: 48.16 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: VF059383.D
 Acq: 2 Jul 2018 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.7	28.4	85.2
134	22.7	11.7	35.1

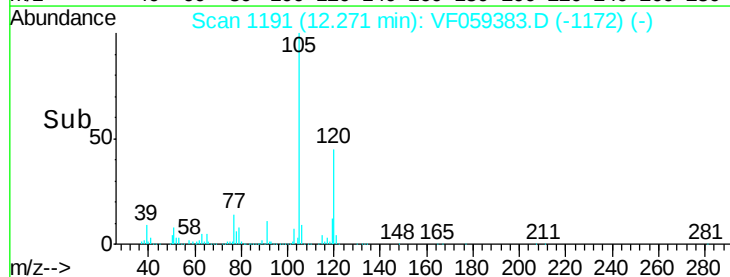
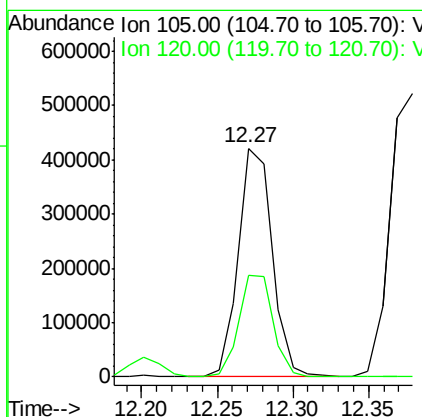
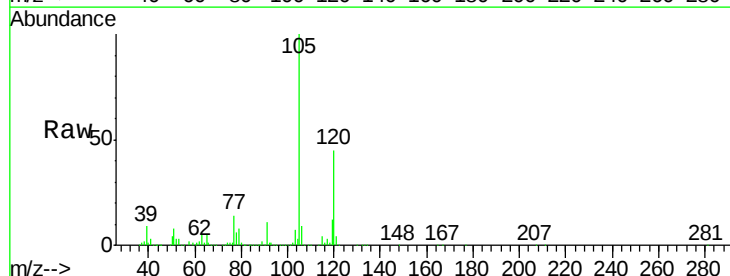
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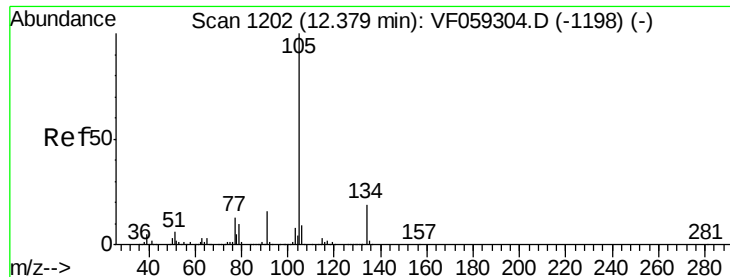
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#84
 1,2,4-Trimethylbenzene
 Concen: 47.53 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: VF059383.D
 Acq: 2 Jul 2018 13:05

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.8	68.4





#85

sec-Butylbenzene

Concen: 47.90 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 834201

Ion Ratio Lower Upper

105 100

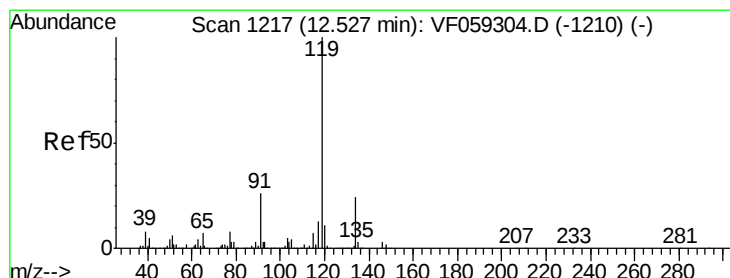
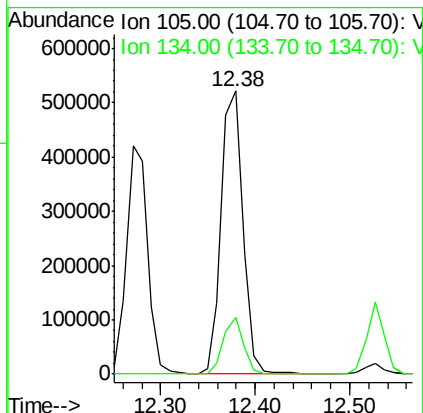
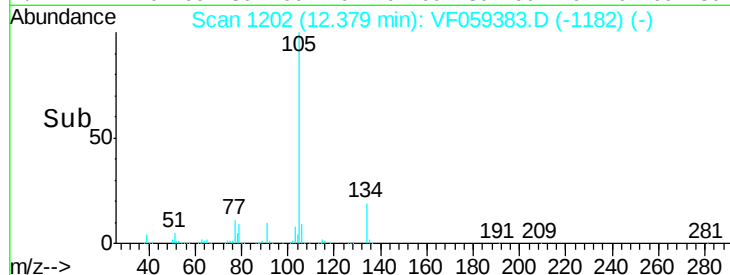
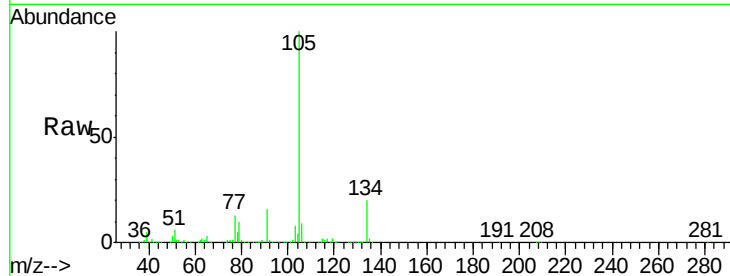
134 19.9 9.4 28.3

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#86

p-Isopropyltoluene

Concen: 47.57 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF059383.D

Acq: 2 Jul 2018 13:05

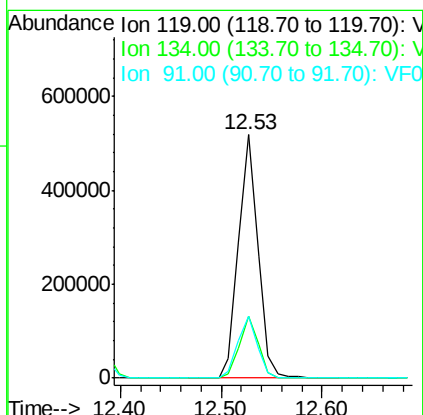
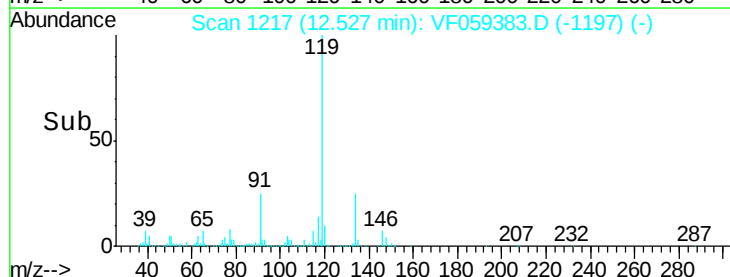
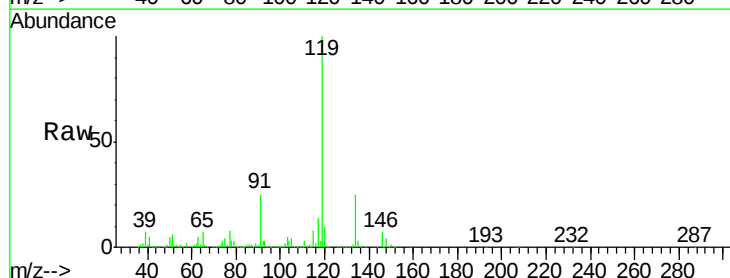
Tgt Ion:119 Resp: 695182

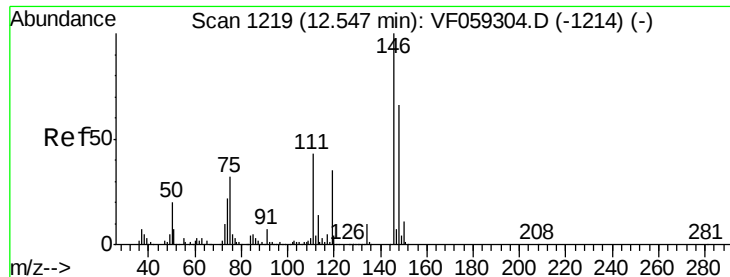
Ion Ratio Lower Upper

119 100

134 25.4 12.2 36.4

91 25.3 12.9 38.6





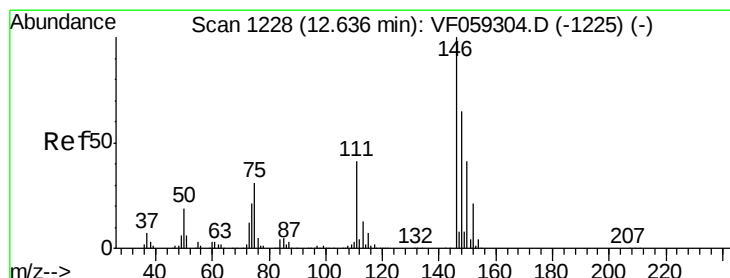
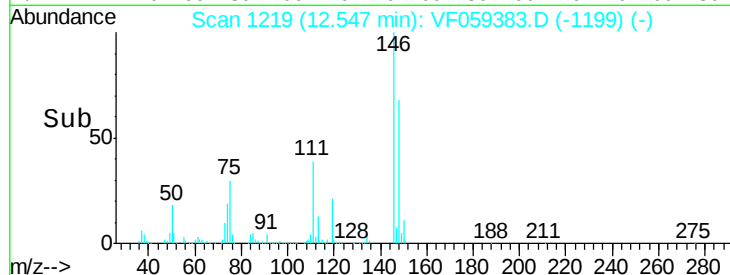
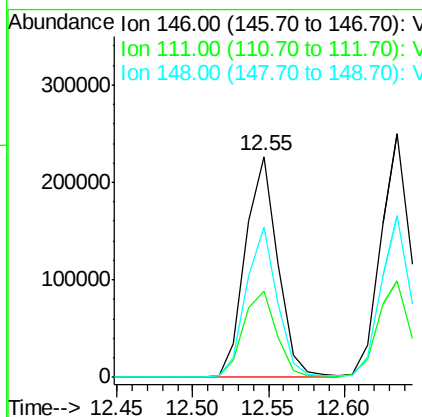
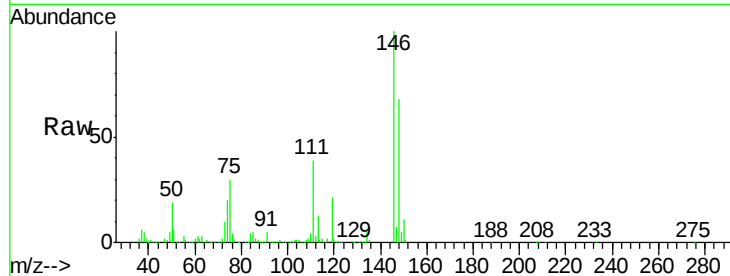
#87
 1,3-Dichlorobenzene
 Concen: 49.29 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059383.D
 Acq: 2 Jul 2018 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	21.4	64.2
148	68.1	32.8	98.4

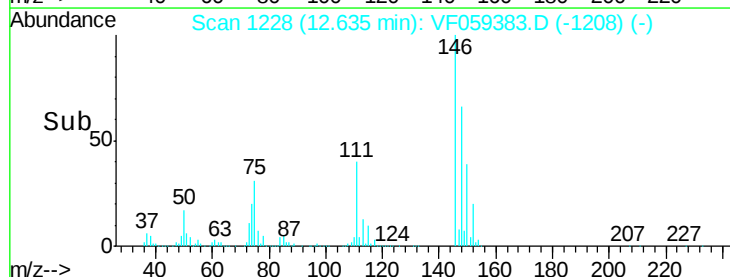
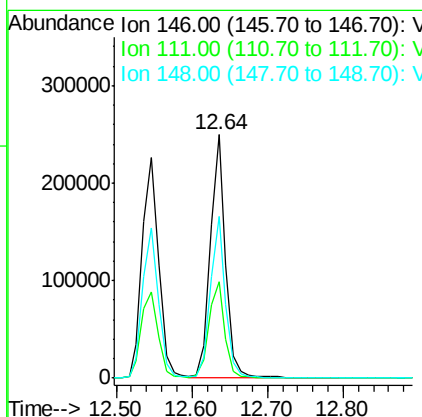
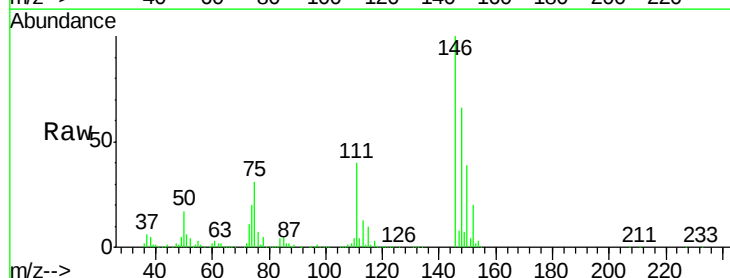
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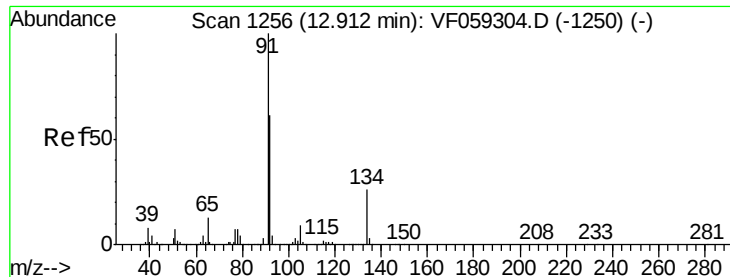
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#88
 1,4-Dichlorobenzene
 Concen: 47.77 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059383.D
 Acq: 2 Jul 2018 13:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.7	62.1
148	66.2	32.8	98.3





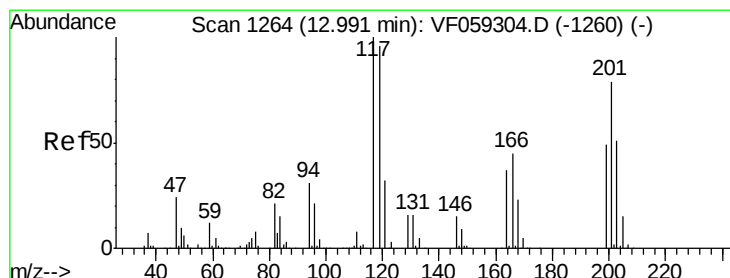
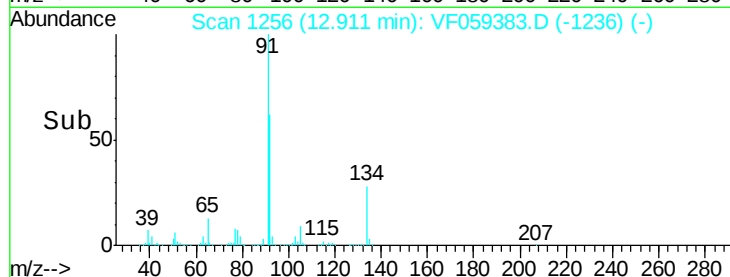
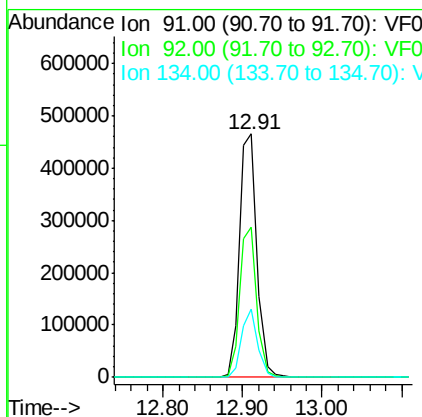
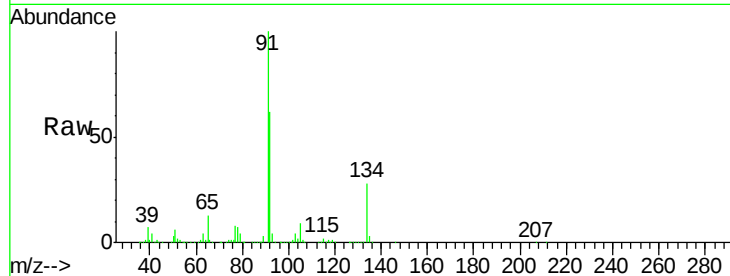
#89
n-Butylbenzene
Concen: 48.03 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.7	30.3	91.0
134	28.0	12.9	38.7

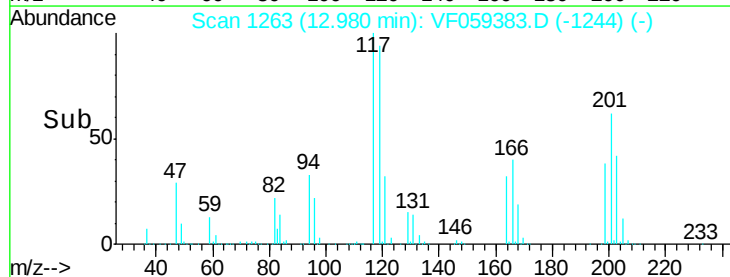
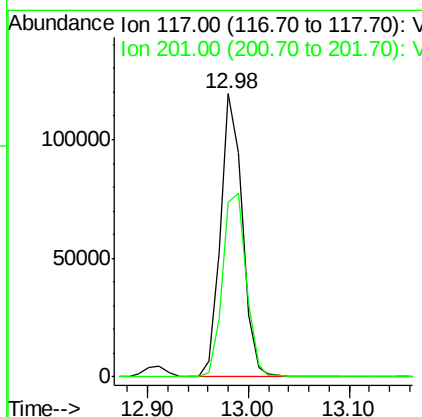
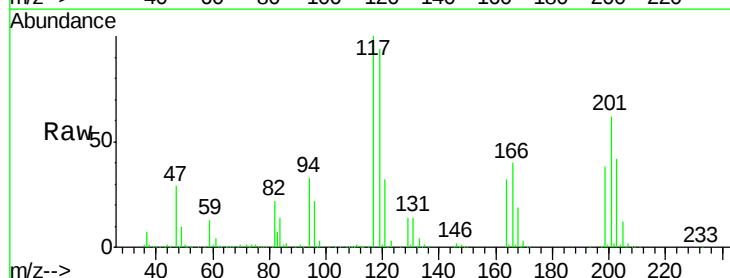
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#90
Hexachloroethane
Concen: 49.74 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.9	39.5	118.5





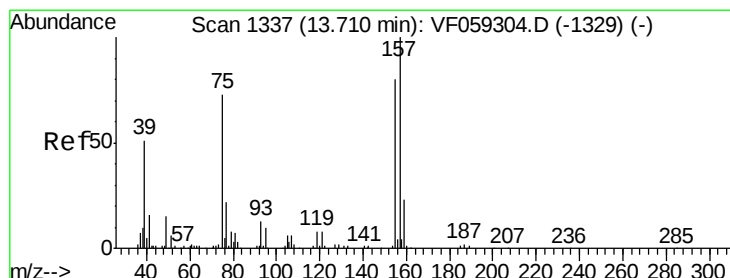
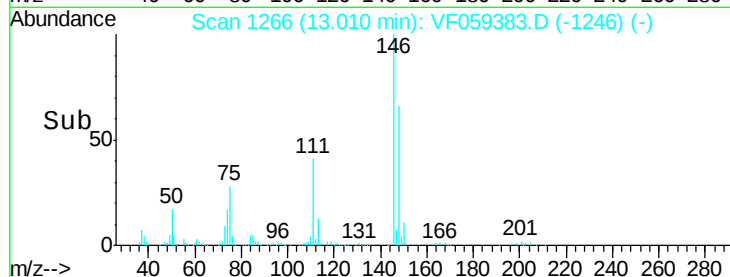
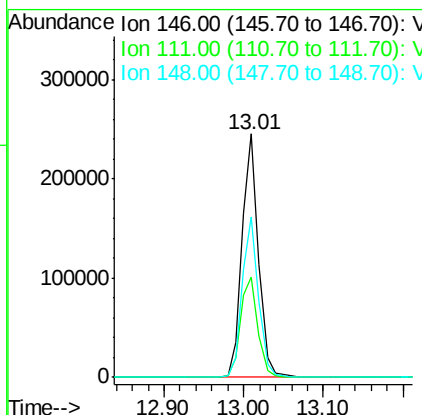
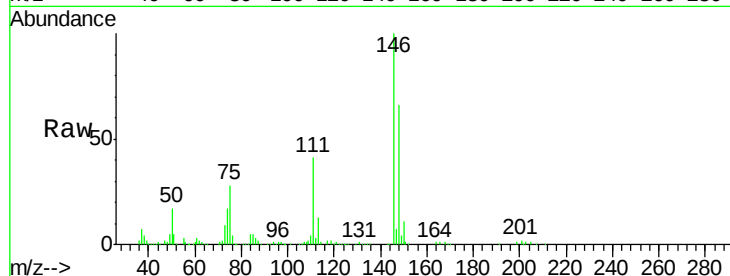
#91
 1,2-Dichlorobenzene
 Concen: 46.58 ug/l
 RT: 13.01 min Scan# 1266
 Delta R.T. -0.00 min
 Lab File: VF059383.D
 Acq: 2 Jul 2018 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	22.7	68.0
148	66.0	33.5	100.4

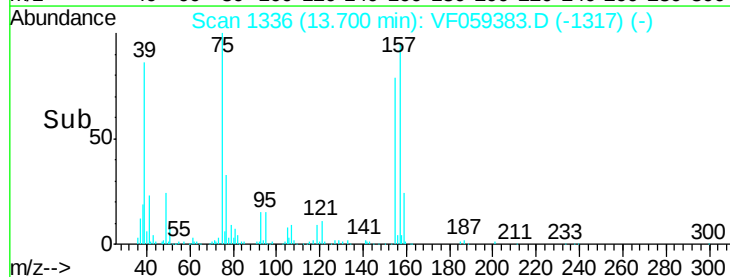
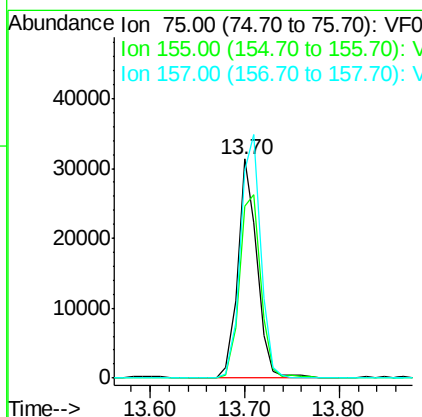
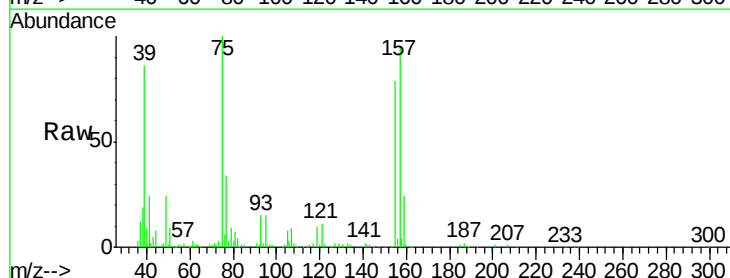
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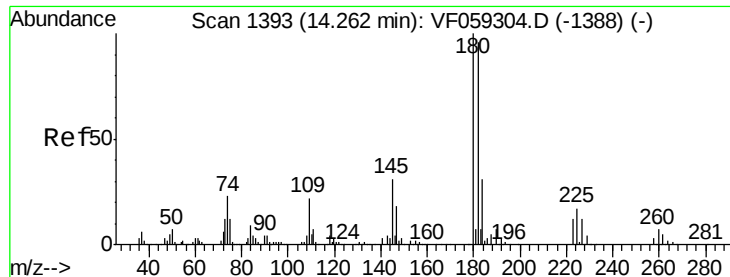
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.62 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: VF059383.D
 Acq: 2 Jul 2018 13:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	54.6	163.8
157	94.9	68.7	205.9





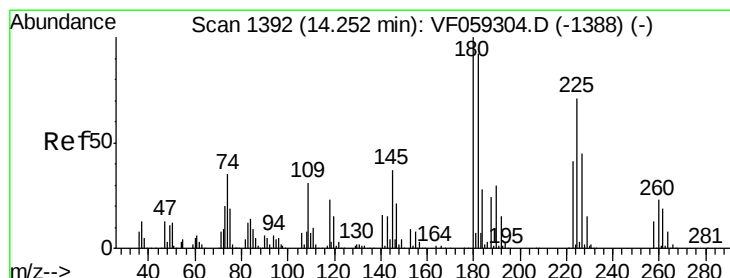
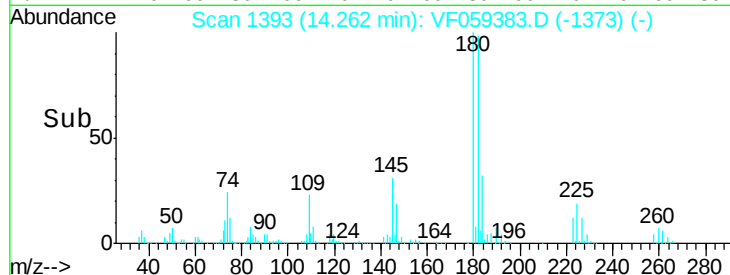
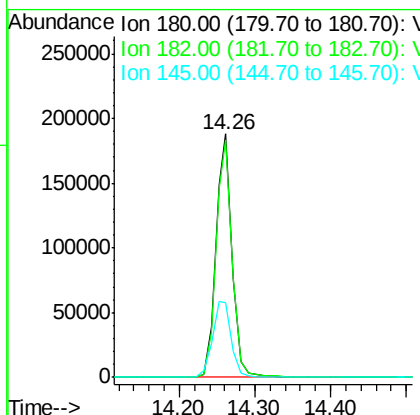
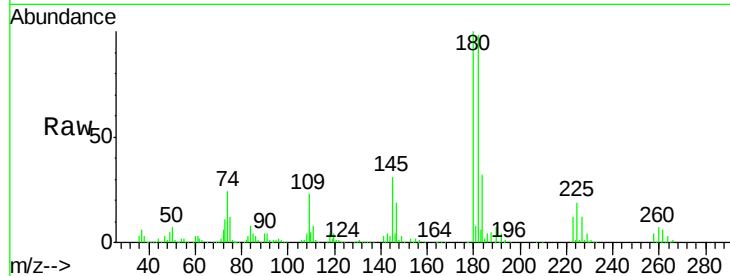
#93
 1,2,4-Trichlorobenzene
 Concen: 50.81 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059383.D
 Acq: 2 Jul 2018 13:05

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	283798		
182	97.7	48.1	144.3	
145	30.8	15.3	45.8	

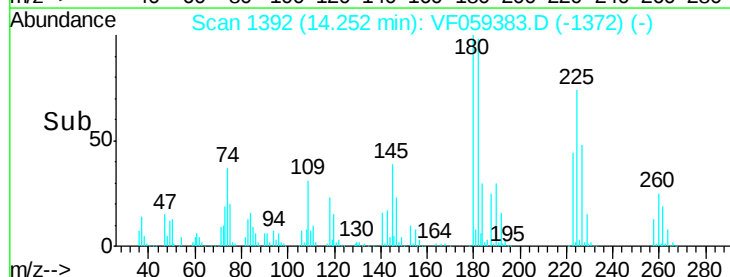
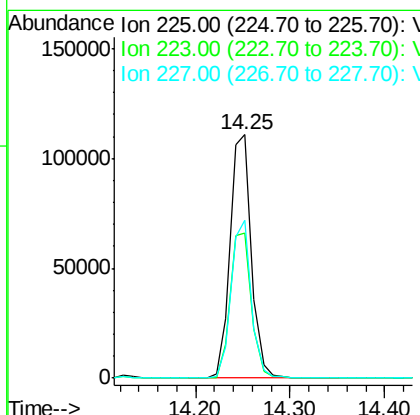
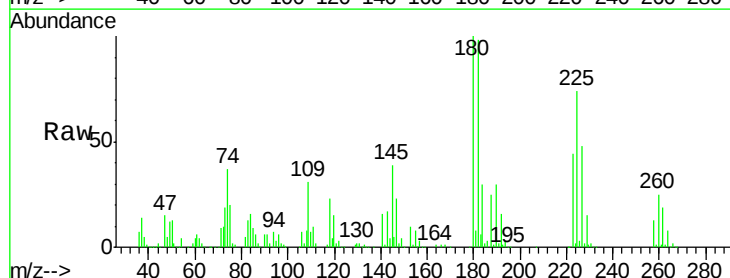
Manual Integrations
 APPROVED

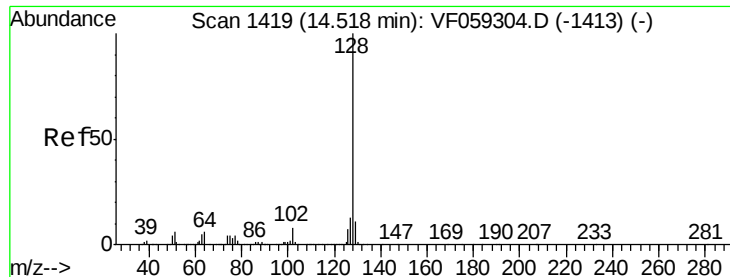
apatel
 7/3/2018 10:34:26 AM



#94
 Hexachlorobutadiene
 Concen: 55.04 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VF059383.D
 Acq: 2 Jul 2018 13:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	171703		
223	59.5	28.9	86.8	
227	64.7	31.3	93.8	





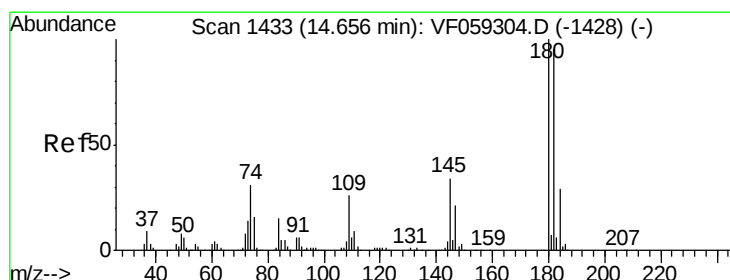
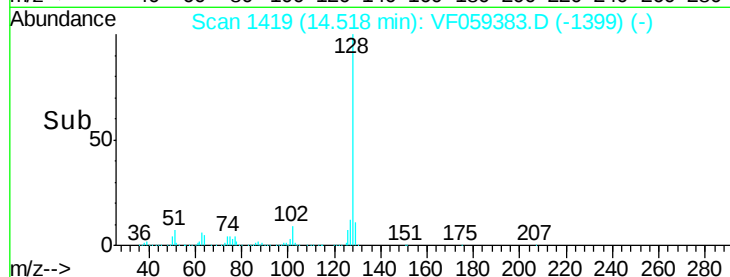
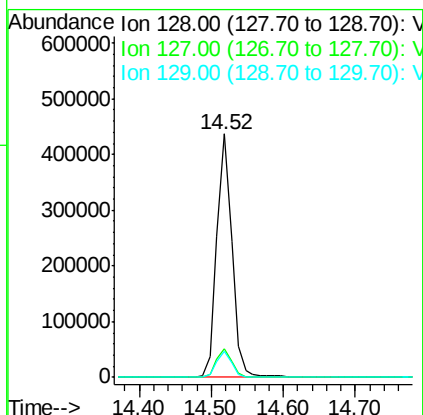
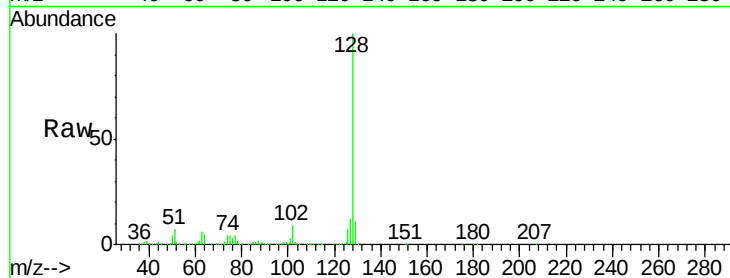
#95
Naphthalene
Concen: 53.91 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.0	10.1	15.1
129	10.9	8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 51.71 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VF059383.D
Acq: 2 Jul 2018 13:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.5	142.5
145	32.9	17.0	50.9

