

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF062218\
 Data File : VF059279.D
 Acq On : 22 Jun 2018 17:25
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 6/24/2018 11:35:08 AM

Quant Time: Jun 24 11:33:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.02	168	253671	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.75	114	398685	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.90	117	396622	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	241836	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	176822	48.56	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	97.12%	
35) Dibromofluoromethane	4.28	113	150919	44.99	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	89.98%	
50) Toluene-d8	7.70	98	404545	47.41	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	94.82%	
62) 4-Bromofluorobenzene	11.50	95	224921	47.54	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	95.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	142038	48.09	ug/l	92
3) Chloromethane	1.08	50	90658	48.73	ug/l	98
4) Vinyl Chloride	1.14	62	100024	54.22	ug/l	99
5) Bromomethane	1.34	94	69561	53.39	ug/l	95
6) Chloroethane	1.42	64	55181	61.32	ug/l	98
7) Trichlorofluoromethane	1.49	101	196550m	54.41	ug/l	
8) Diethyl Ether	1.69	74	45192	55.58	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.90	101	105302	52.24	ug/l	90
10) Methyl Iodide	1.96	142	200894	54.52	ug/l	86
11) Tert butyl alcohol	2.66	59	52477	247.32	ug/l	96
12) 1,1-Dichloroethene	1.85	96	96922	53.91	ug/l	90
13) Acrolein	2.08	56	44774	270.26	ug/l	91
14) Allyl chloride	2.18	41	170060	51.24	ug/l	99
15) Acrylonitrile	3.06	53	96611	270.79	ug/l	94
16) Acetone	2.32	43	257130m	298.78	ug/l	
17) Carbon Disulfide	1.84	76	232829	53.32	ug/l	98
18) Methyl Acetate	2.43	43	78425	48.33	ug/l	97
19) Methyl tert-butyl Ether	2.52	73	317726	52.68	ug/l	94
20) Methylene Chloride	2.26	84	98014m	56.67	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	103004	54.88	ug/l	93
22) Diisopropyl ether	2.92	45	360752	52.39	ug/l	96
23) Vinyl Acetate	3.32	43	1052659	239.03	ug/l	99
24) 1,1-Dichloroethane	2.98	63	223546	50.08	ug/l	98
25) 2-Butanone	4.49	43	281514	245.22	ug/l	98
26) 2,2-Dichloropropane	3.74	77	156766	50.40	ug/l	91
27) cis-1,2-Dichloroethene	3.62	96	144780	50.78	ug/l	97
28) Bromochloromethane	3.87	49	91785	55.86	ug/l	98
29) Tetrahydrofuran	4.23	42	112947	219.12	ug/l	96
30) Chloroform	4.02	83	317611	49.14	ug/l	97
31) Cyclohexane	3.85	56	155873	50.73	ug/l	91
32) 1,1,1-Trichloroethane	4.26	97	237442	48.66	ug/l	95
36) 1,1-Dichloropropene	4.44	75	209296	49.95	ug/l	98
37) Ethyl Acetate	4.28	43	121312	45.31	ug/l	85
38) Carbon Tetrachloride	4.16	117	246158m	47.83	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.61	83	188492	50.27	ug/l	90
40) Benzene	4.80	78	446377	50.21	ug/l	98
41) Methacrylonitrile	4.91	41	59897	46.83	ug/l	94
42) 1,2-Dichloroethane	5.10	62	245711	47.98	ug/l	100
43) Isopropyl Acetate	7.09	43	158795	48.41	ug/l	99
44) Trichloroethene	5.66	130	147080	47.74	ug/l	84
45) 1,2-Dichloropropane	6.38	63	131176	50.58	ug/l	98
46) Dibromomethane	6.24	93	103925	47.48	ug/l	88
47) Bromodichloromethane	6.53	83	260804	49.76	ug/l	100
48) Methyl methacrylate	6.86	41	104783	50.45	ug/l	92
49) 1,4-Dioxane	6.85	88	10527	874.02	ug/l #	82
51) 4-Methyl-2-Pentanone	8.39	43	546995	233.81	ug/l	99
52) Toluene	7.76	92	316889	46.19	ug/l	92
53) t-1,3-Dichloropropene	8.42	75	231772	47.11	ug/l	100
54) cis-1,3-Dichloropropene	7.44	75	255643	49.21	ug/l	96
55) 1,1,2-Trichloroethane	8.62	97	126139	47.63	ug/l	94
56) Ethyl methacrylate	8.75	69	149871	49.49	ug/l	97
57) 1,3-Dichloropropane	8.99	76	211863	48.36	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.76	63	56338	232.63	ug/l	100
59) 2-Hexanone	9.62	43	489019	263.65	ug/l	96
60) Dibromochloromethane	8.85	129	195005	50.04	ug/l	93
61) 1,2-Dibromoethane	9.12	107	148677	48.73	ug/l	98
64) Tetrachloroethene	8.29	164	140545	46.14	ug/l	91
65) Chlorobenzene	9.92	112	431799	51.16	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.05	131	172311	49.01	ug/l	97
67) Ethyl Benzene	10.02	91	704920	49.20	ug/l	98
68) m/p-Xylenes	10.26	106	502036	97.48	ug/l	99
69) o-Xylene	10.82	106	285416	50.18	ug/l	99
70) Styrene	10.89	104	451145	52.61	ug/l	99
71) Bromoform	10.88	173	126736	50.54	ug/l #	95
73) Isopropylbenzene	11.22	105	840021	50.42	ug/l	99
74) N-amyl acetate	11.45	43	288333	53.01	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	190477	48.73	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	144640	50.54	ug/l	97
77) Bromobenzene	11.59	156	219218	48.71	ug/l	93
78) n-propylbenzene	11.68	91	991597	50.31	ug/l	99
79) 2-Chlorotoluene	11.81	91	584272	49.44	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	714097	50.70	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.94	75	89967	49.09	ug/l	95
82) 4-Chlorotoluene	11.98	91	633432	49.90	ug/l	98
83) tert-Butylbenzene	12.21	119	713744	50.06	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	763053	51.43	ug/l	100
85) sec-Butylbenzene	12.38	105	924259	48.58	ug/l	99
86) p-Isopropyltoluene	12.53	119	807750	51.49	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	392684	48.66	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	407091	51.08	ug/l	99
89) n-Butylbenzene	12.91	91	814593	51.00	ug/l	99
90) Hexachloroethane	12.99	117	198245	50.56	ug/l	96
91) 1,2-Dichlorobenzene	13.01	146	397313	49.64	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	40016	47.41	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	290069	49.62	ug/l	98
94) Hexachlorobutadiene	14.25	225	176201	50.86	ug/l	99
95) Naphthalene	14.52	128	614629	51.20	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	281760	51.22	ug/l	95

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

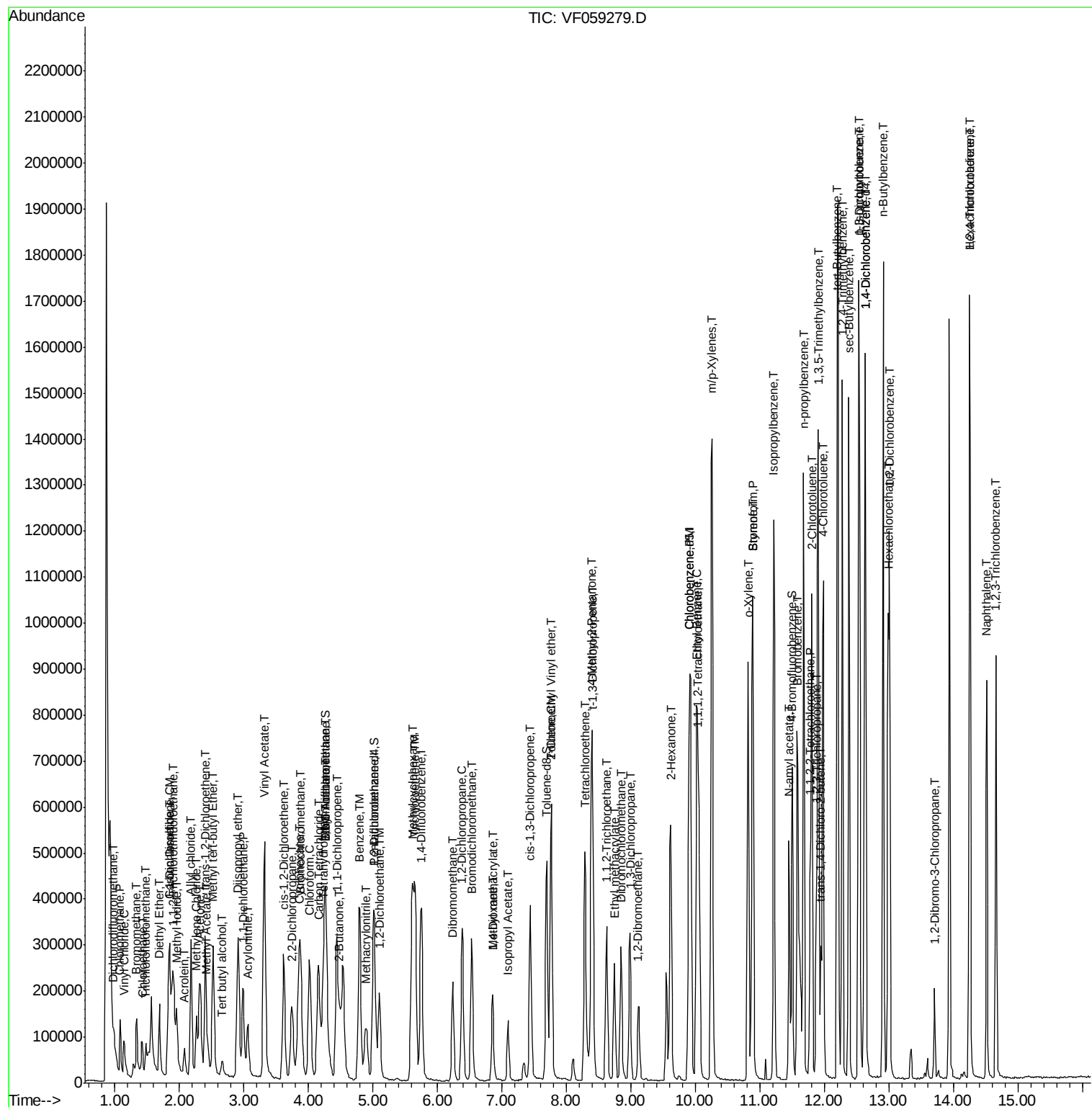
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF062218\
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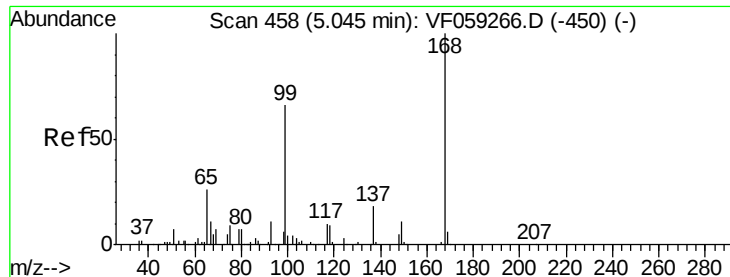
Instrument :
MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.02 min Scan# 456

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 253671

Ion Ratio Lower Upper

168 100

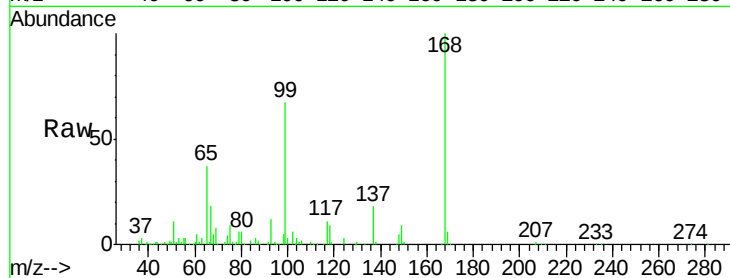
99 67.5 52.6 78.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.02

80000

60000

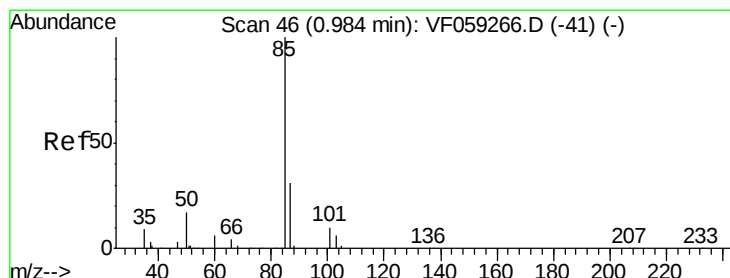
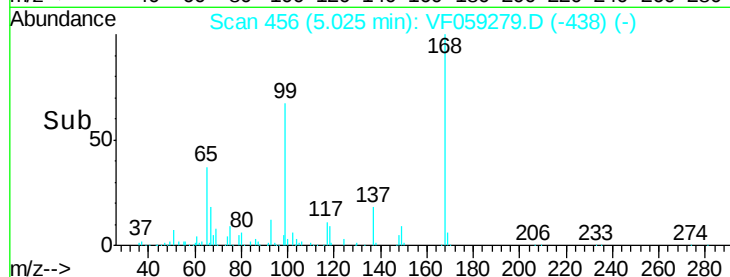
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 48.09 ug/l

RT: 0.98 min Scan# 46

Delta R.T. -0.00 min

Lab File: VF059279.D

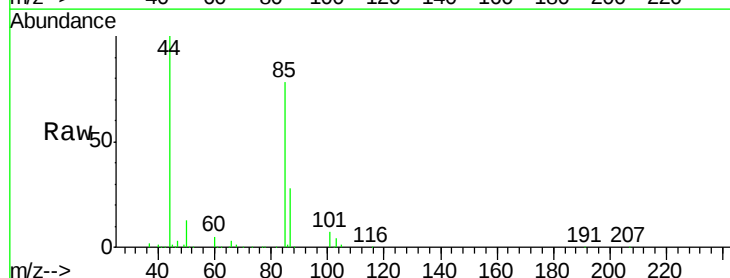
Acq: 22 Jun 2018 17:25

Tgt Ion: 85 Resp: 142038

Ion Ratio Lower Upper

85 100

87 35.6 15.6 46.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

40000

30000

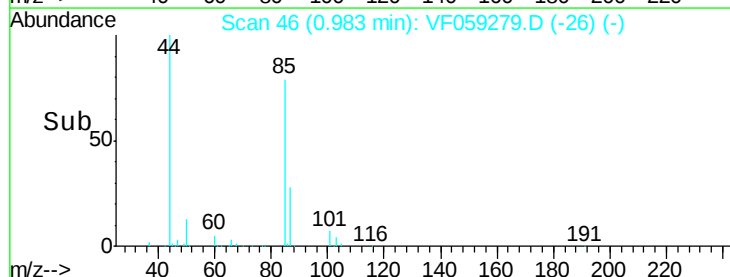
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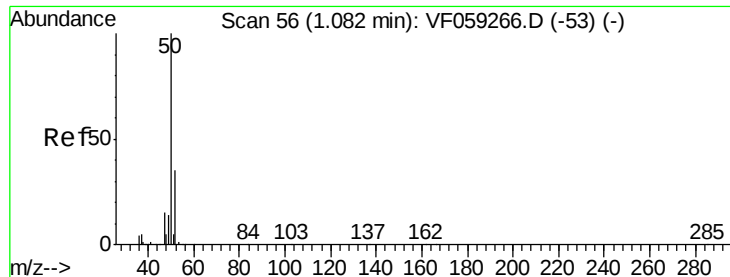
10000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 48.73 ug/l

RT: 1.08 min Scan# 56

Delta R.T. -0.00 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 90658

Ion Ratio Lower Upper

50 100

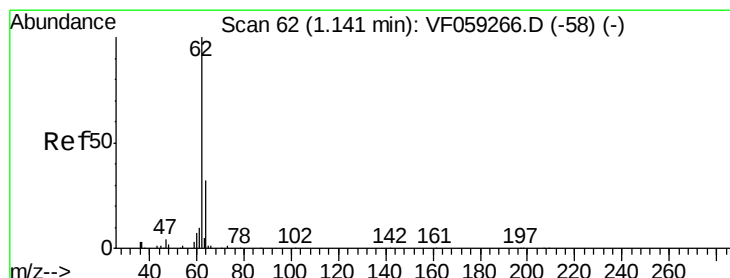
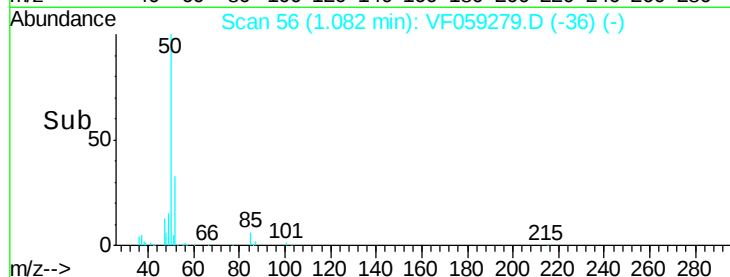
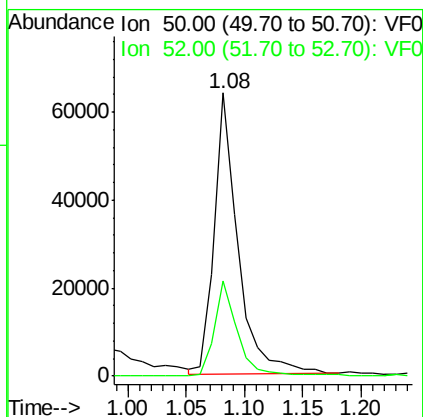
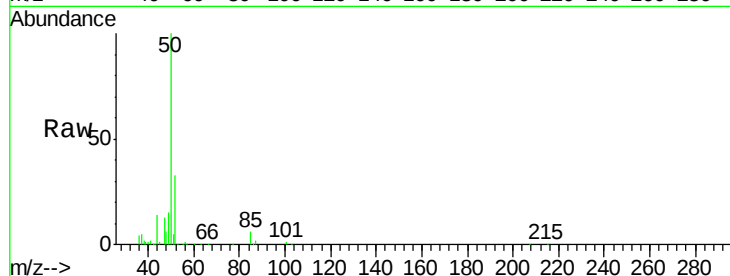
52 33.4 27.7 41.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 54.22 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059279.D

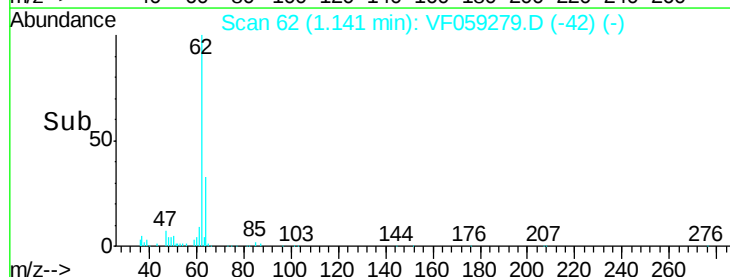
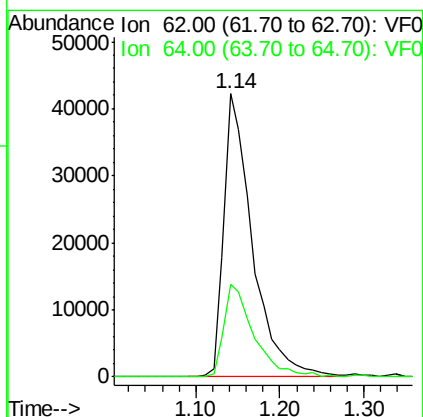
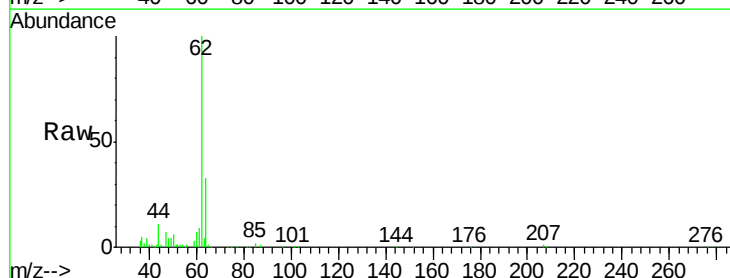
Acq: 22 Jun 2018 17:25

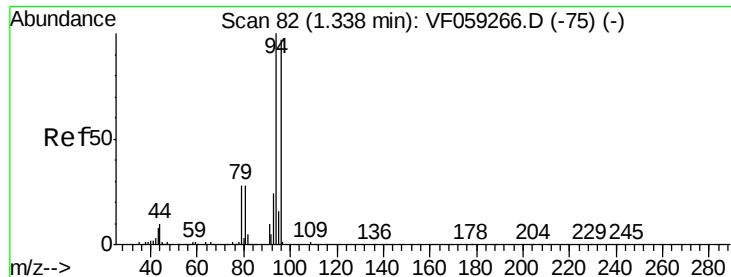
Tgt Ion: 62 Resp: 100024

Ion Ratio Lower Upper

62 100

64 32.6 25.7 38.5





#5

Bromomethane

Concen: 53.39 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

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ClientSampleId :

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Tot Ion: 94 Resp: 69561

Ion Ratio Lower Upper

94 100

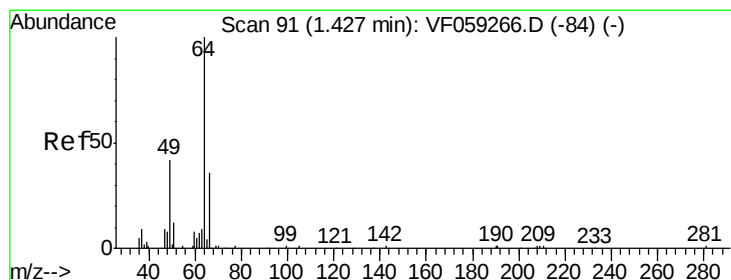
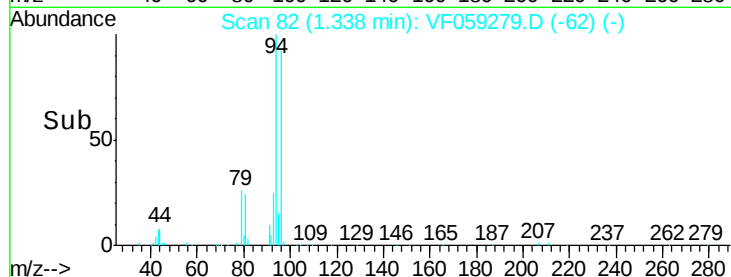
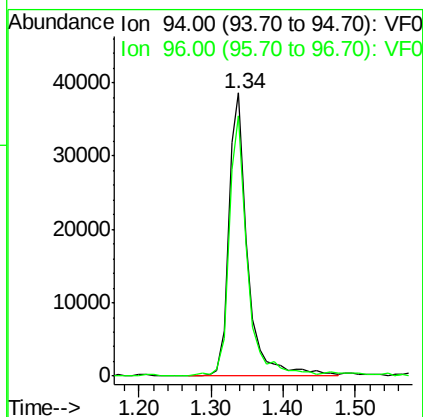
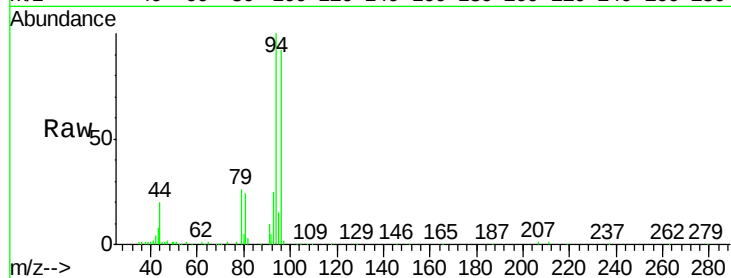
96 92.0 77.7 116.5

Manual Integrations

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#6

Chloroethane

Concen: 61.32 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.01 min

Lab File: VF059279.D

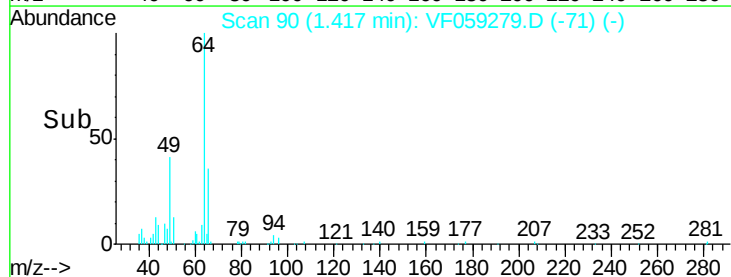
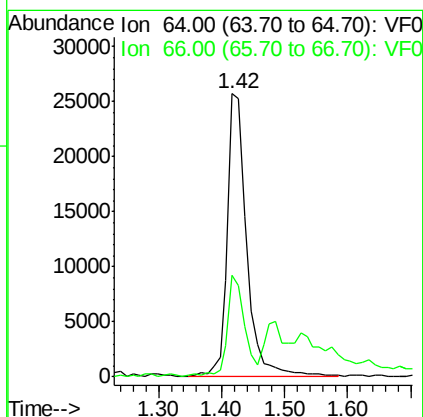
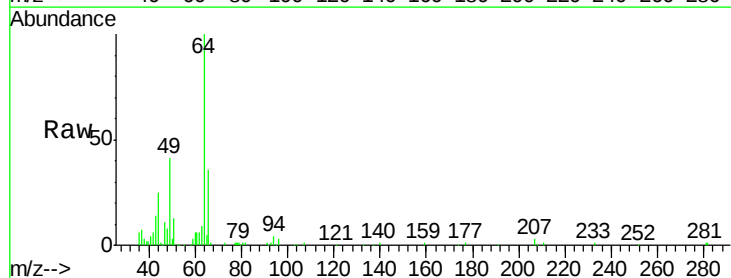
Acq: 22 Jun 2018 17:25

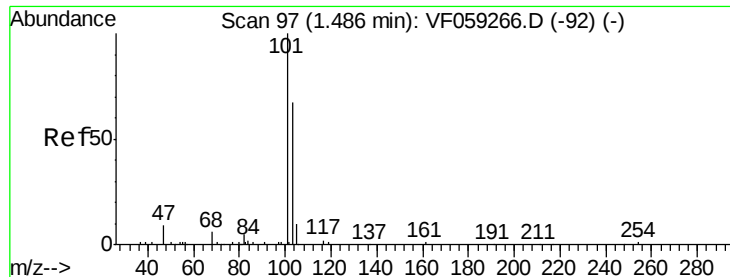
Tgt Ion: 64 Resp: 55181

Ion Ratio Lower Upper

64 100

66 35.7 29.4 44.2





#7

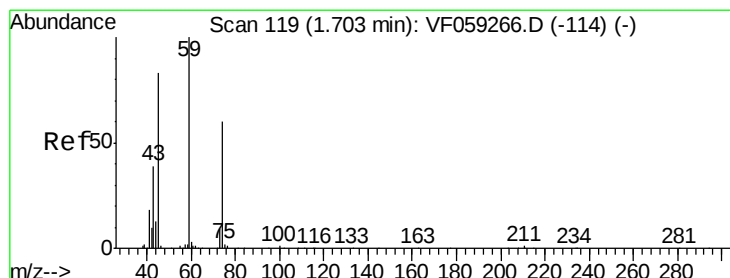
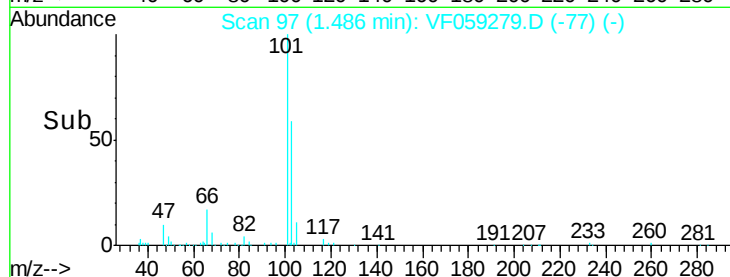
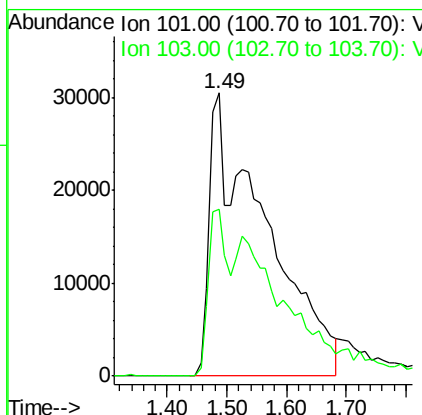
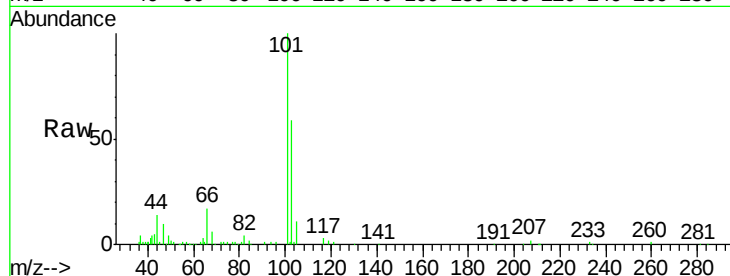
Trichlorofluoromethane
Concen: 54.41 ug/l m
RT: 1.49 min Scan# 97
Delta R.T. -0.00 min
Lab File: VF059279.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	58.9	53.8	80.8

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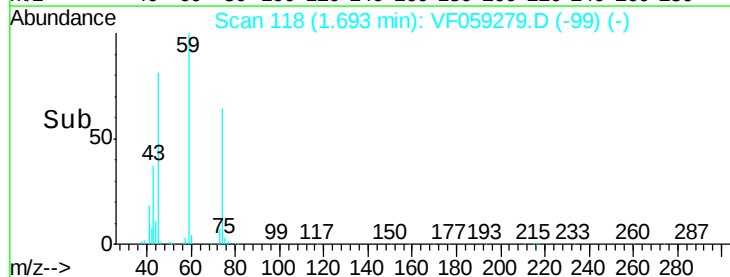
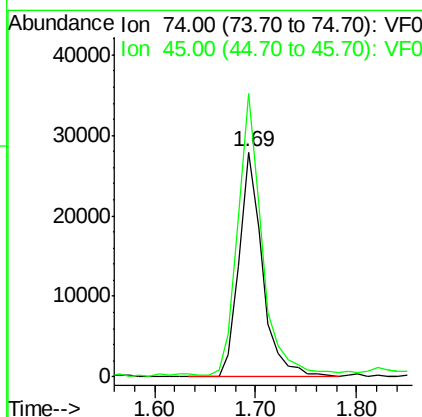
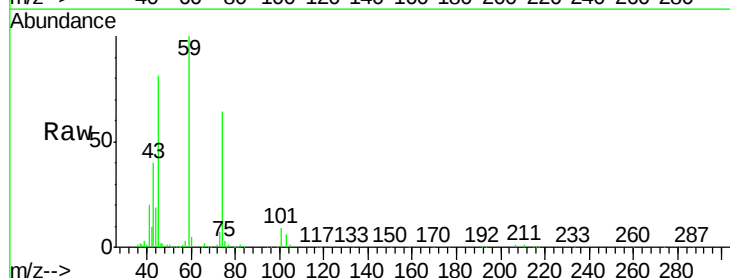
apatel
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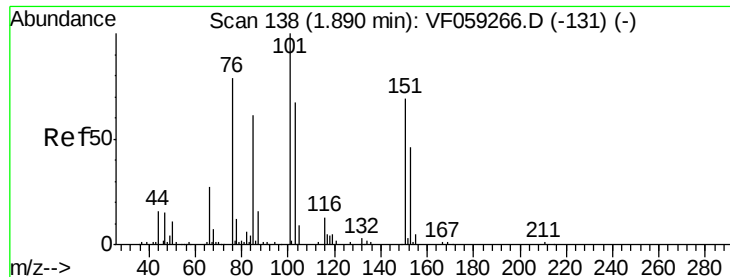


#8

Diethyl Ether
Concen: 55.58 ug/l
RT: 1.69 min Scan# 118
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	126.1	69.2	207.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.24 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059279.D

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MSVOA_F

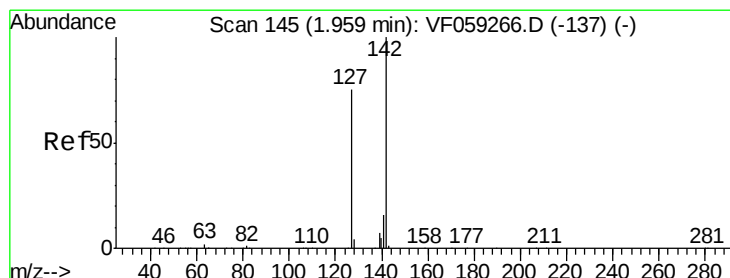
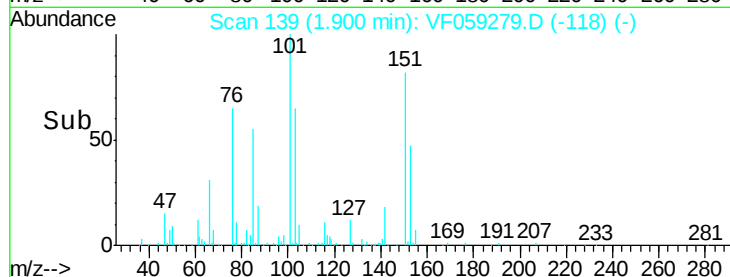
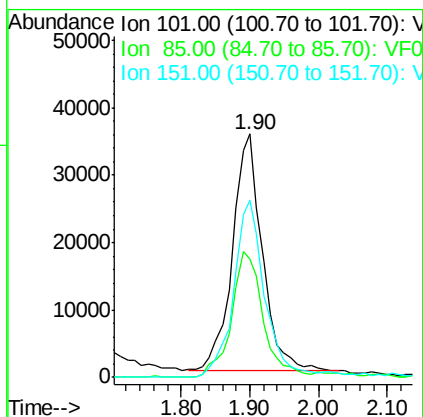
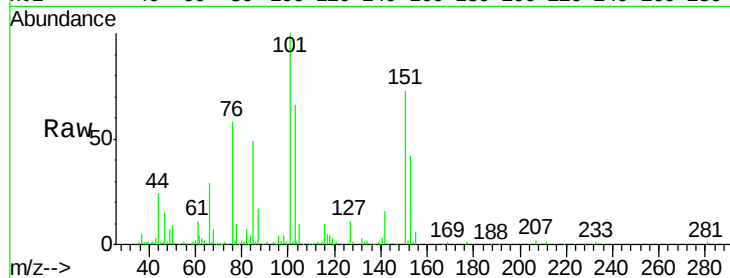
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	105302
Ion Ratio	Lower	Upper	
101	100		
85	48.6	47.2	70.8
151	72.6	53.3	79.9

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#10

Methyl Iodide

Concen: 54.52 ug/l

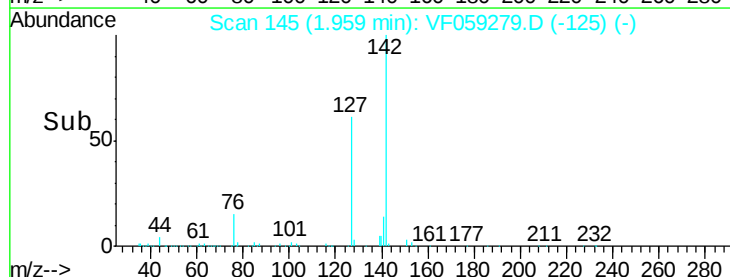
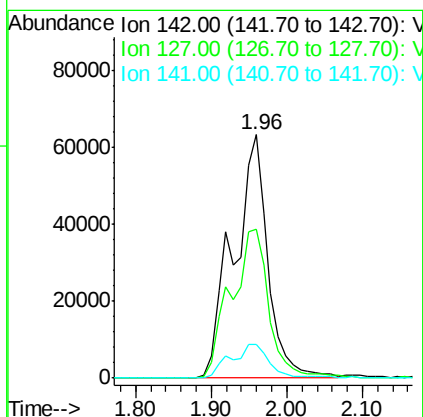
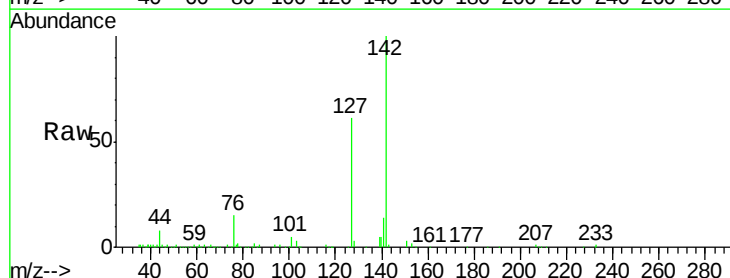
RT: 1.96 min Scan# 145

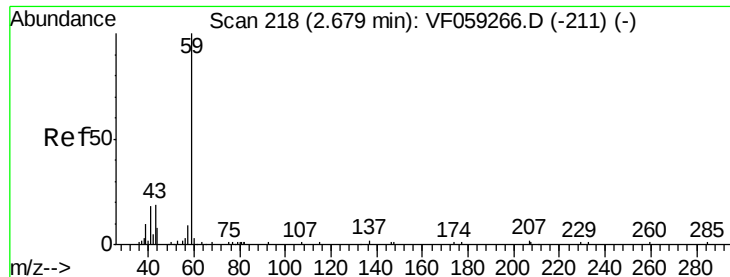
Delta R.T. -0.00 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Tgt Ion:	142	Resp:	200894
Ion Ratio	Lower	Upper	
142	100		
127	61.3	59.9	89.9
141	13.8	12.7	19.1





#11

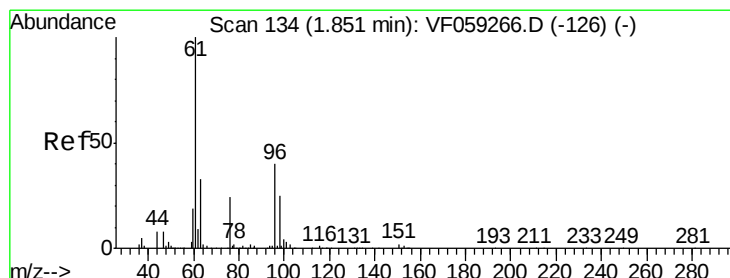
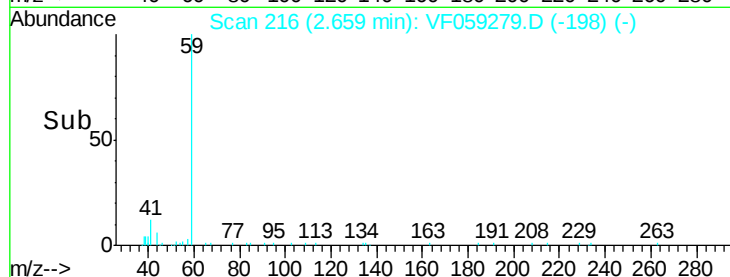
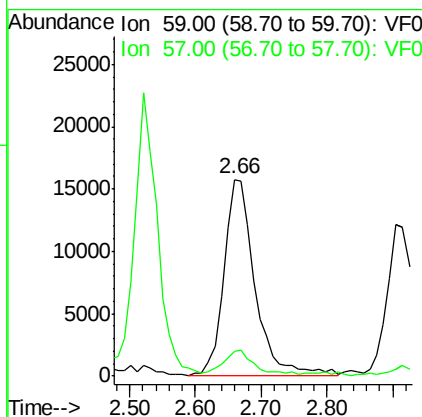
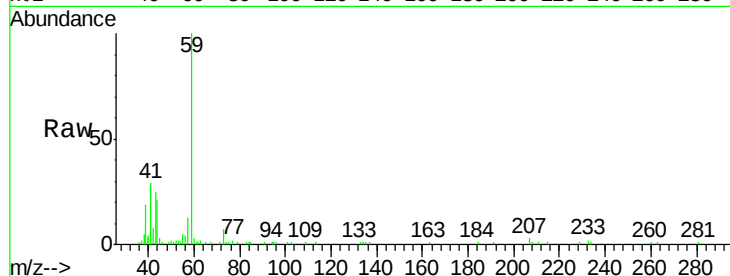
Tert butyl alcohol
Concen: 247.32 ug/l
RT: 2.66 min Scan# 216
Delta R.T. -0.02 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.9	9.2	13.8

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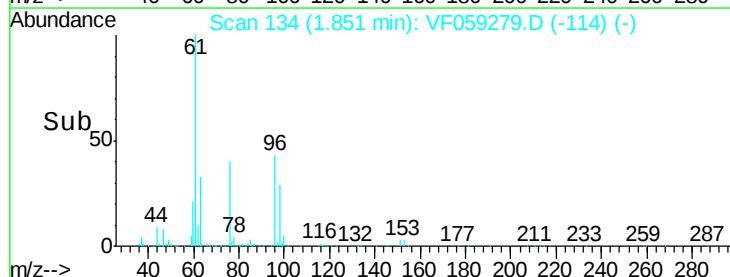
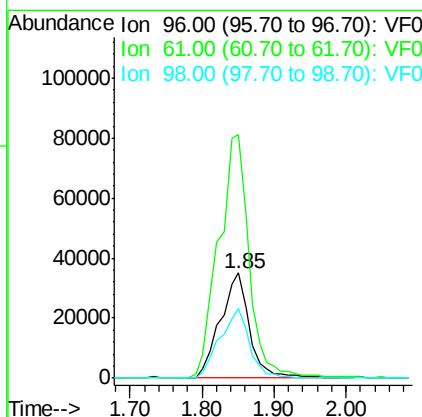
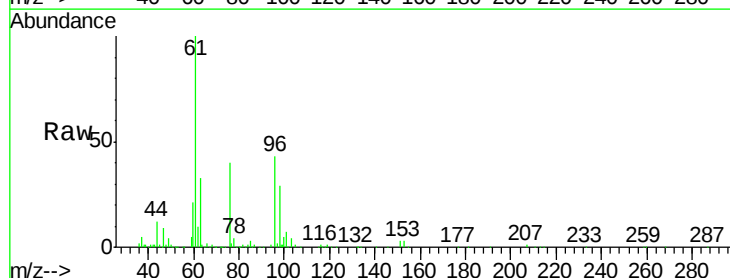
apatel
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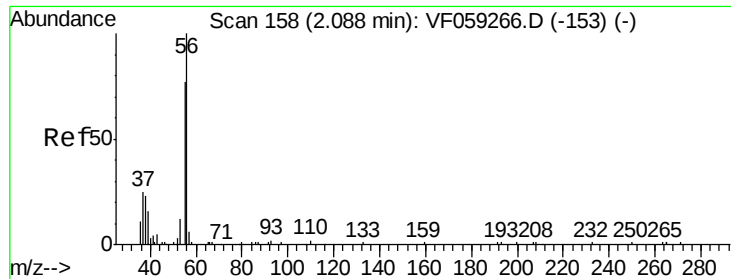


#12

1,1-Dichloroethene
Concen: 53.91 ug/l
RT: 1.85 min Scan# 134
Delta R.T. -0.00 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	231.6	201.4	302.2
98	66.5	50.0	75.0





#13

Acrolein

Concen: 270.26 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 44774

Ion Ratio Lower Upper

56 100

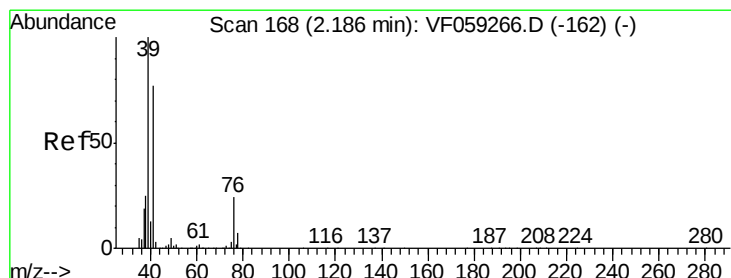
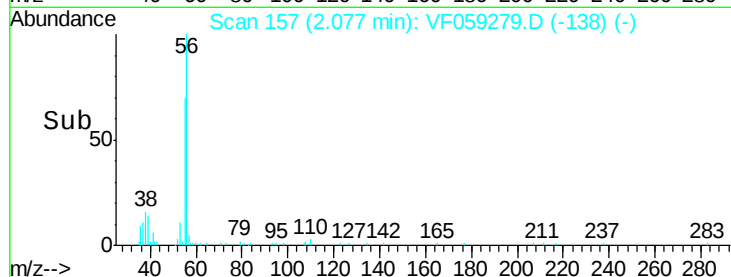
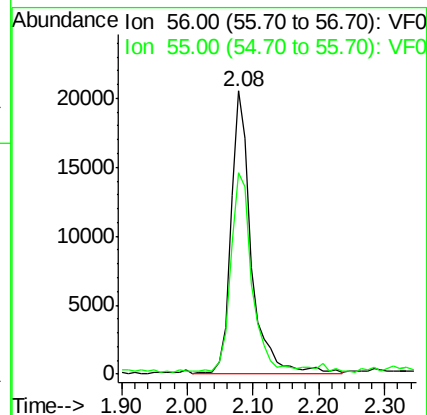
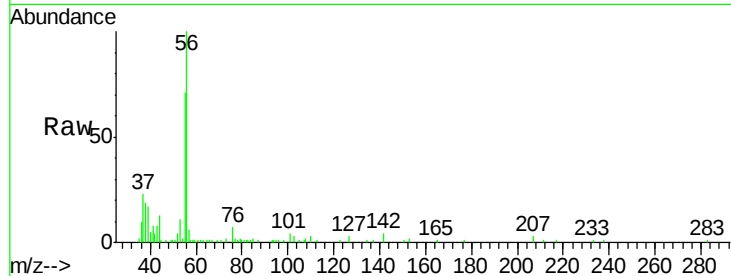
55 71.3 63.0 94.6

Manual Integrations

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#14

Allyl chloride

Concen: 51.24 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

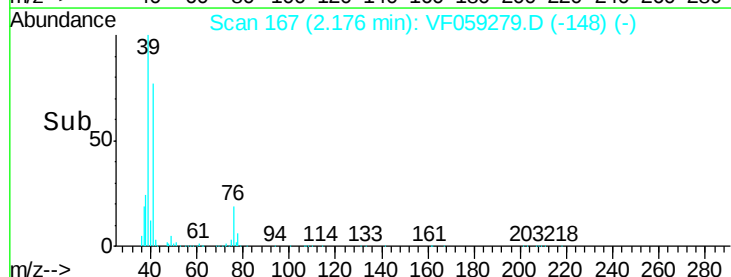
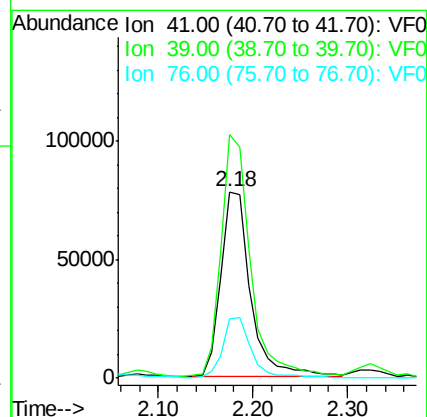
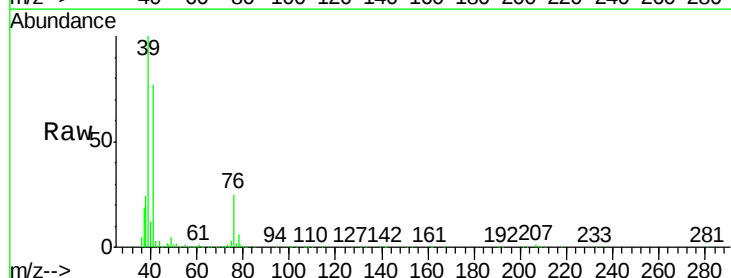
Tgt Ion: 41 Resp: 170060

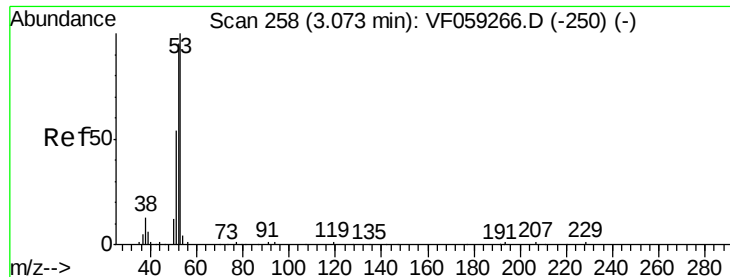
Ion Ratio Lower Upper

41 100

39 130.6 103.8 155.6

76 32.0 25.0 37.6





#15

Acrylonitrile

Concen: 270.79 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

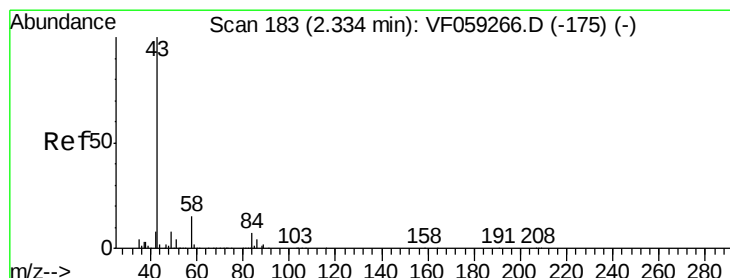
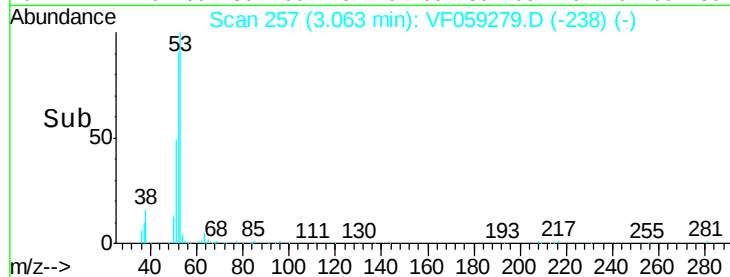
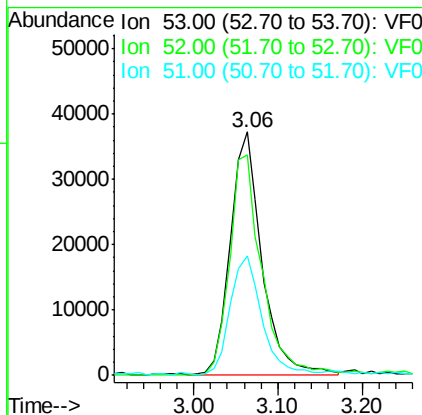
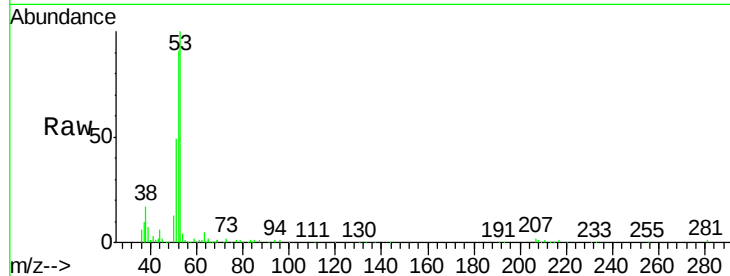
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	96611
Ion	Ratio	Lower	Upper
53	100		
52	90.7	75.7	113.5
51	49.3	44.5	66.7

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#16

Acetone

Concen: 298.78 ug/l m

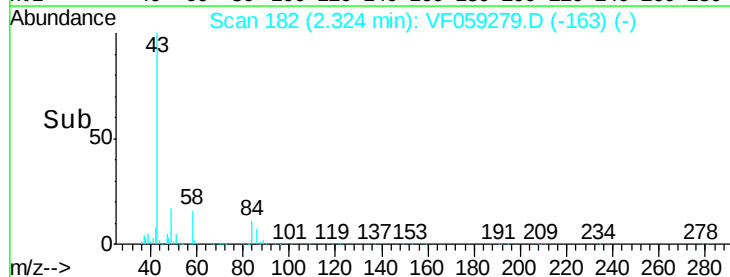
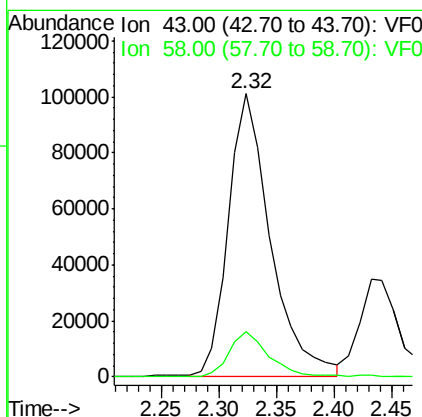
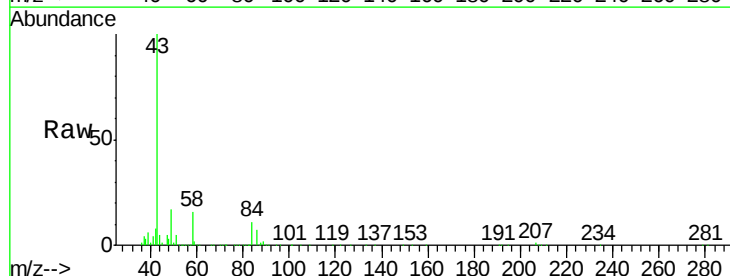
RT: 2.32 min Scan# 182

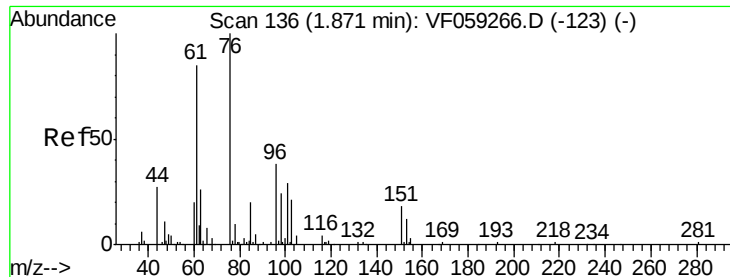
Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Tgt Ion:	43	Resp:	257130
Ion	Ratio	Lower	Upper
43	100		
58	16.1	12.1	18.1





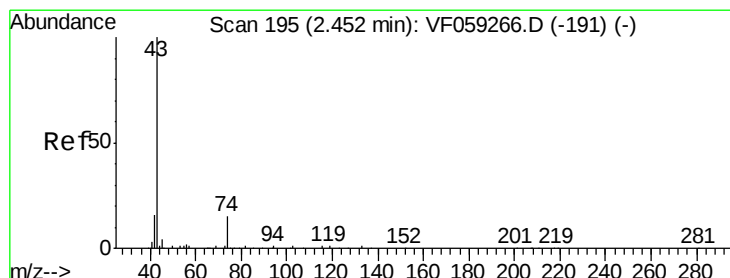
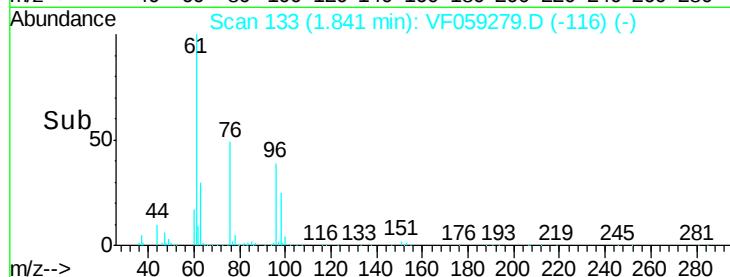
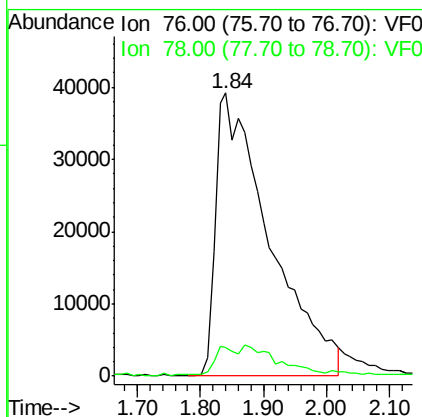
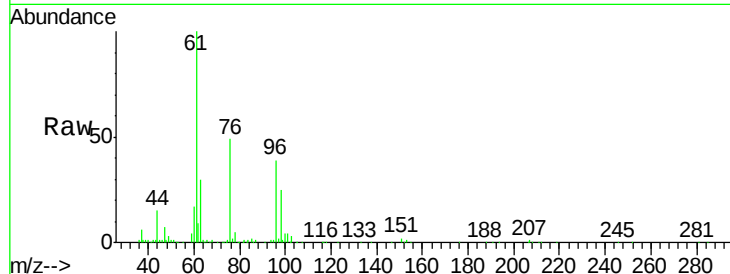
#17
Carbon Disulfide
Concen: 53.32 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.03 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	8.6	12.8

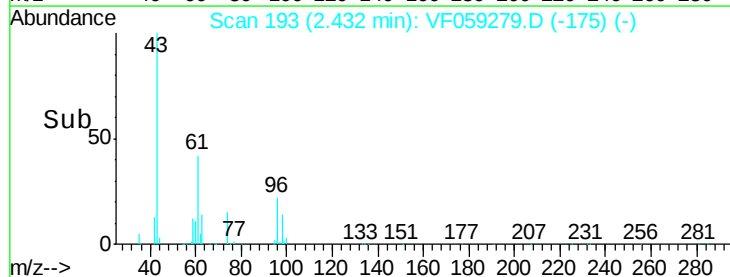
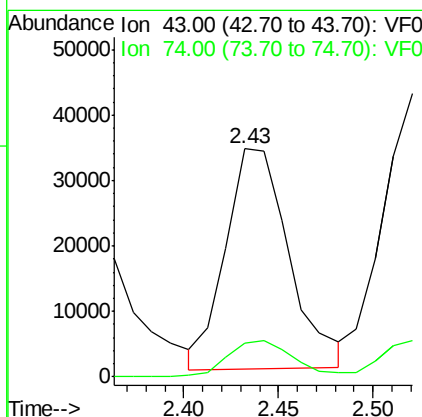
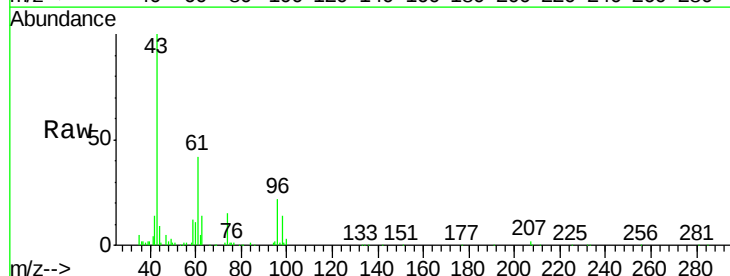
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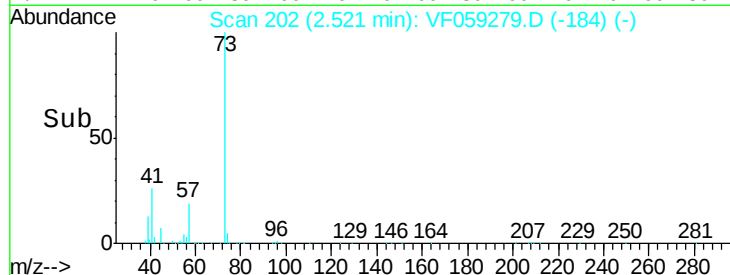
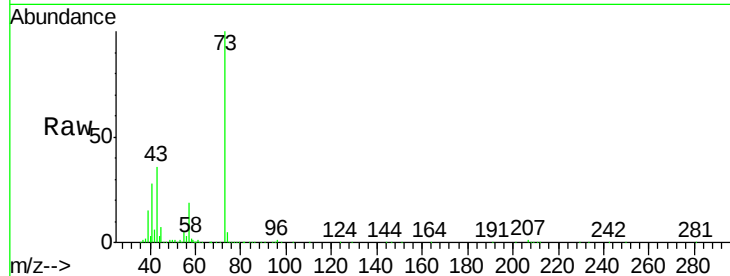
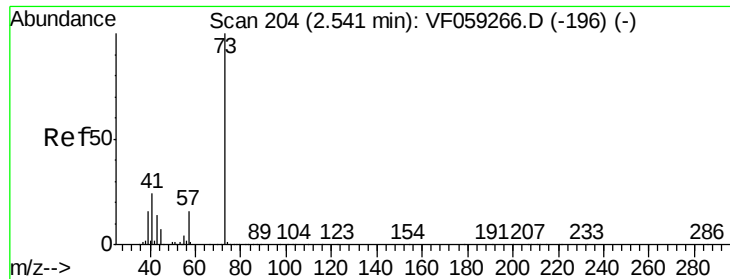
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#18
Methyl Acetate
Concen: 48.33 ug/l
RT: 2.43 min Scan# 193
Delta R.T. -0.02 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	14.9	11.0	16.4





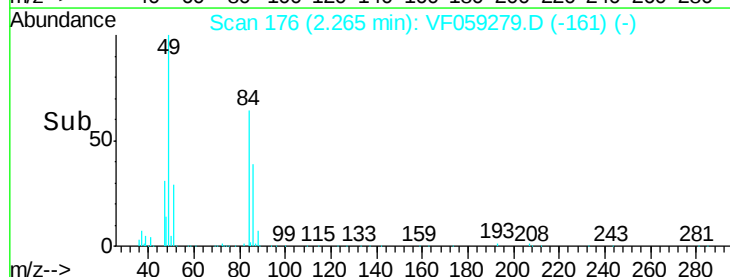
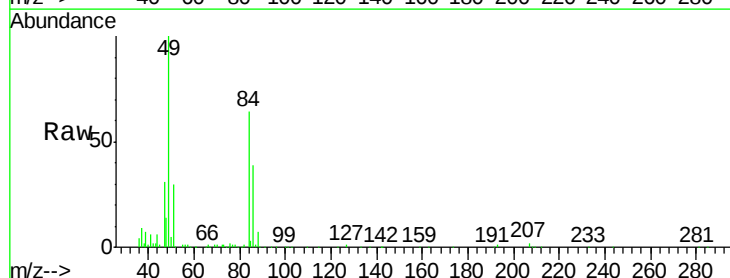
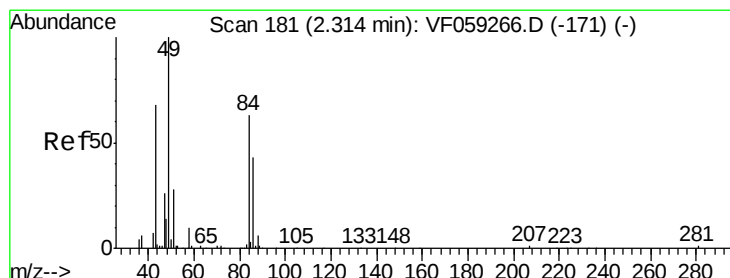
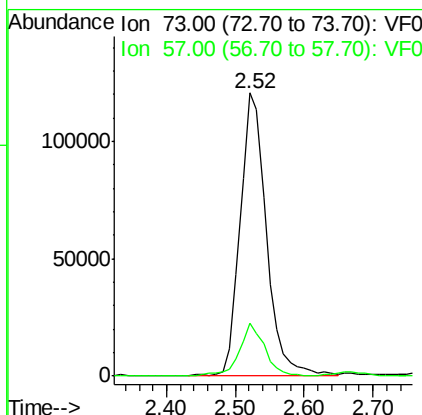
#19
Methvl tert-butvl Ether
Concen: 52.68 ug/l
RT: 2.52 min Scan# 202
Delta R.T. -0.02 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tot Ion: 73 Resp: 317726
Ion Ratio Lower Upper
73 100
57 18.8 13.0 19.4

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

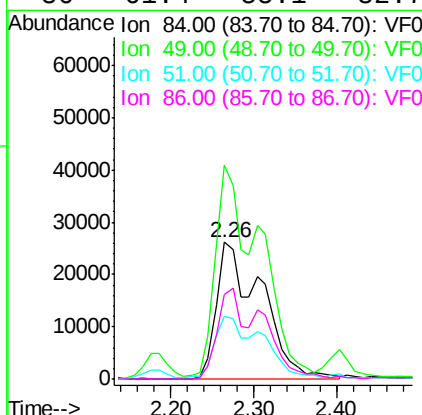
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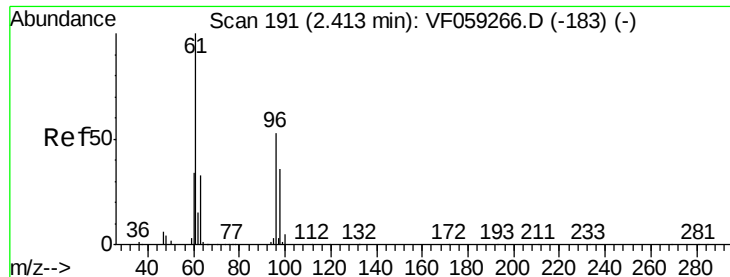
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#20
Methylene Chloride
Concen: 56.67 ug/l m
RT: 2.26 min Scan# 176
Delta R.T. -0.05 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion: 84 Resp: 98014
Ion Ratio Lower Upper
84 100
49 156.0 130.0 195.0
51 46.0 36.6 55.0
86 61.4 55.1 82.7





#21

trans-1,2-Dichloroethene

Concen: 54.88 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

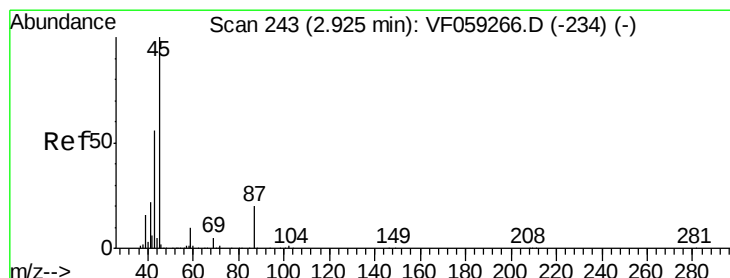
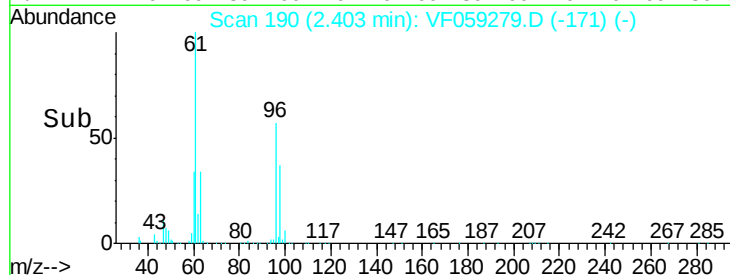
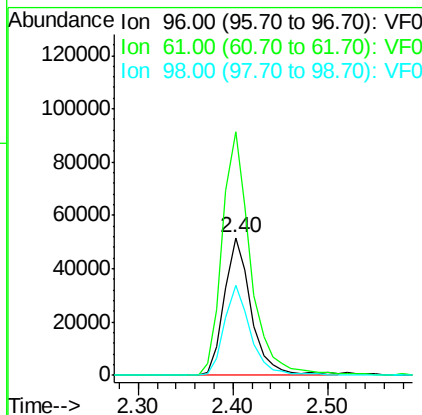
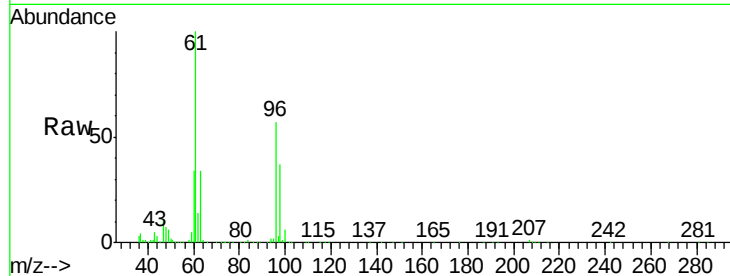
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	103004
Ion Ratio	Lower	Upper	
96	100		
61	176.9	151.2	226.8
98	65.2	54.2	81.2

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#22

Diisopropyl ether

Concen: 52.39 ug/l

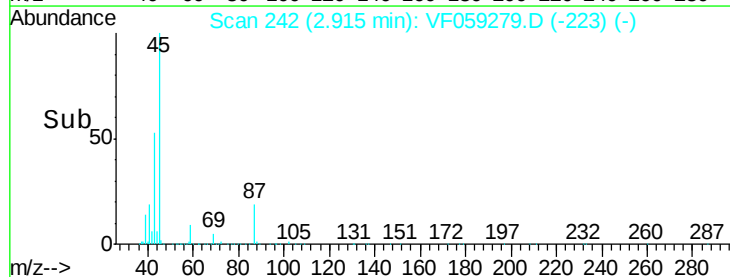
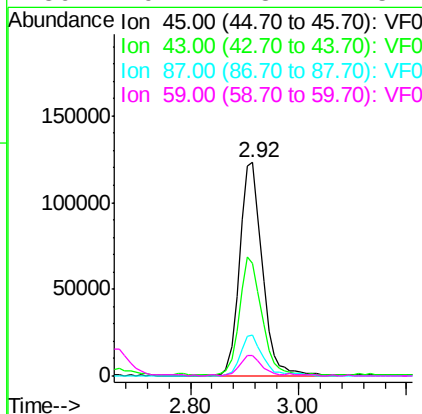
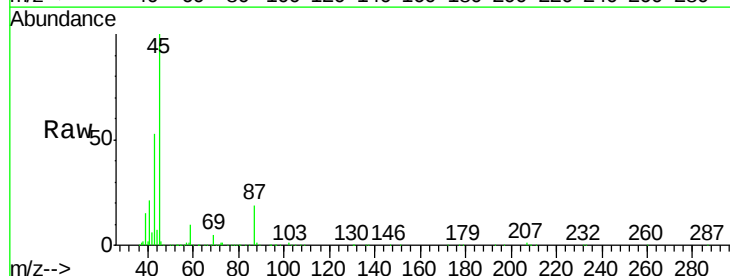
RT: 2.92 min Scan# 242

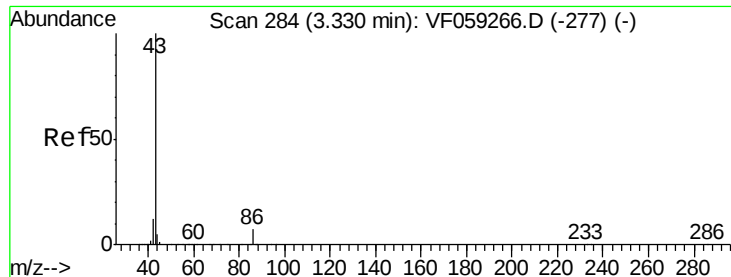
Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Tgt Ion:	45	Resp:	360752
Ion Ratio	Lower	Upper	
45	100		
43	53.0	45.8	68.6
87	19.0	15.7	23.5
59	9.7	8.7	13.1





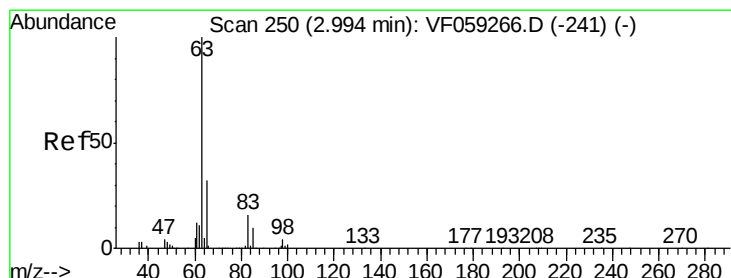
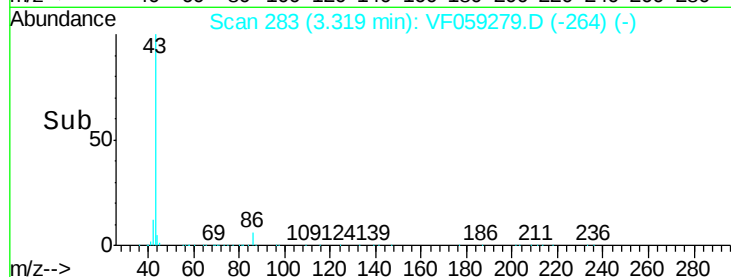
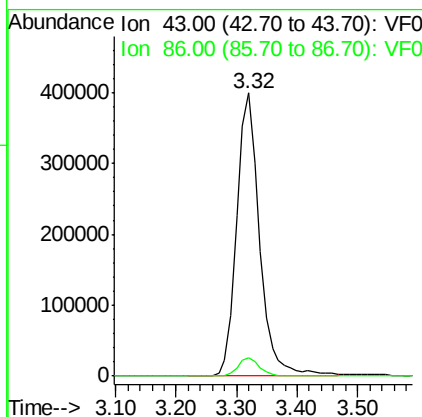
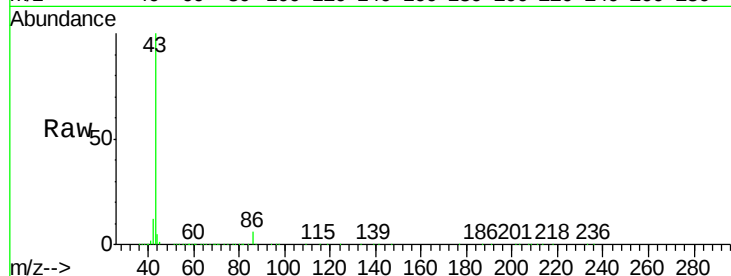
#23
 Vinyl Acetate
 Concen: 239.03 ug/l
 RT: 3.32 min Scan# 283
 Delta R.T. -0.01 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 1052659
 Ion Ratio Lower Upper
 43 100
 86 6.3 5.4 8.2

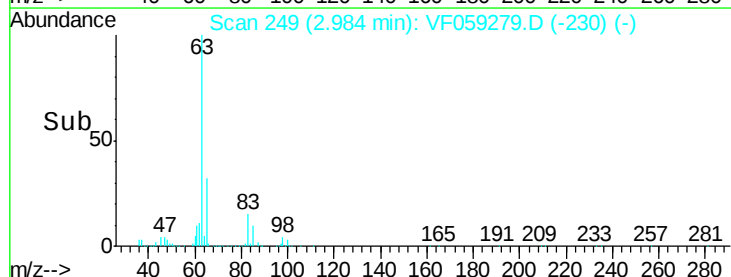
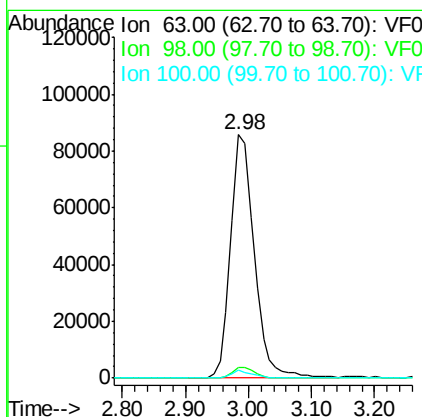
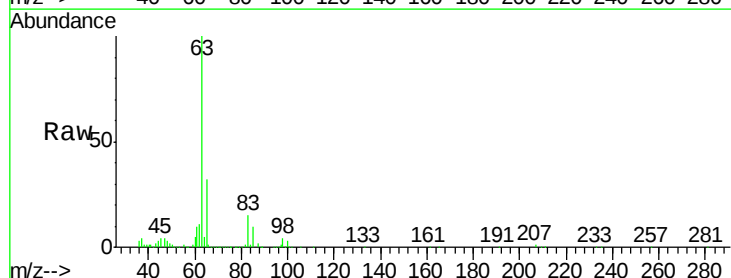
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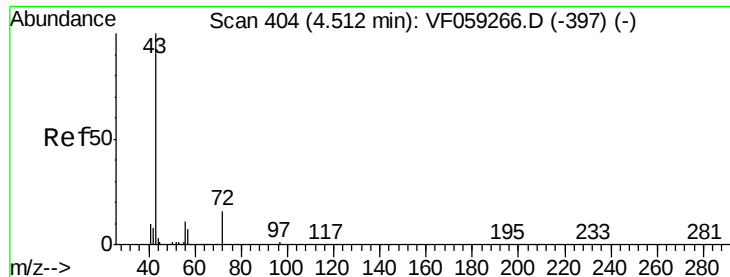
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#24
 1,1-Dichloroethane
 Concen: 50.08 ug/l
 RT: 2.98 min Scan# 249
 Delta R.T. -0.01 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

Tgt Ion: 63 Resp: 223546
 Ion Ratio Lower Upper
 63 100
 98 4.4 2.0 5.8
 100 3.1 1.1 3.1





#25

2-Butanone

Concen: 245.22 ug/l

RT: 4.49 min Scan# 402

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 281514

Ion Ratio Lower Upper

43 100

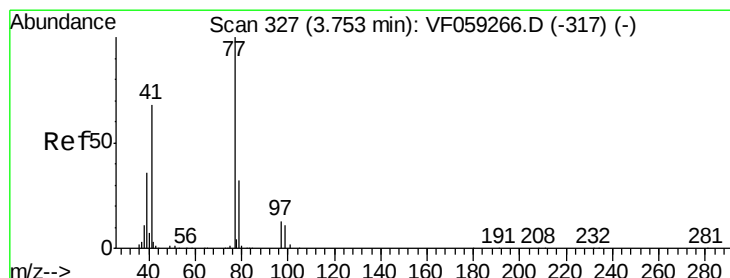
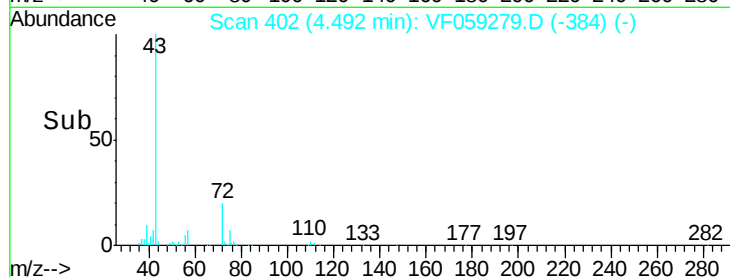
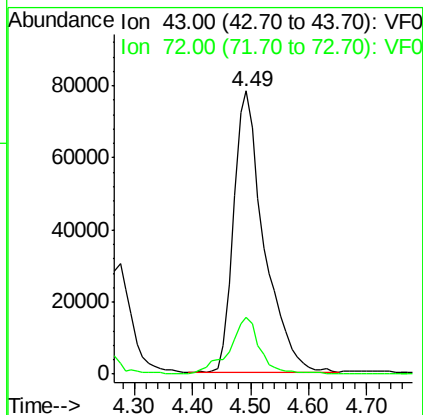
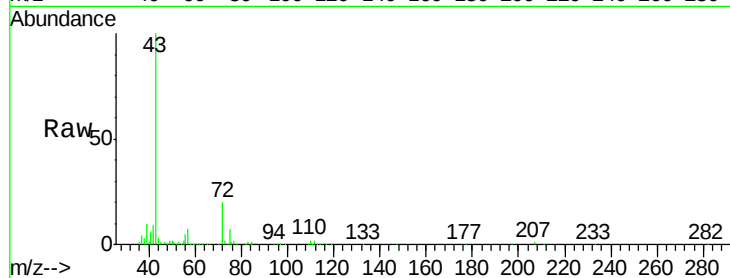
72 20.0 15.2 22.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.40 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF059279.D

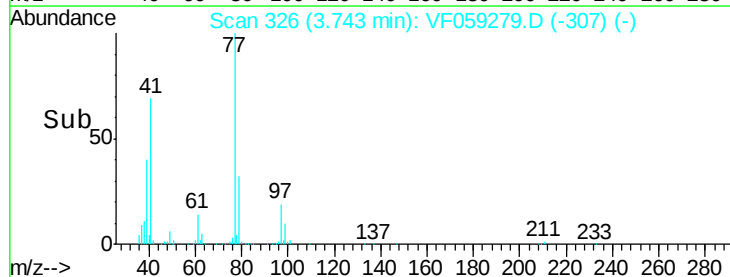
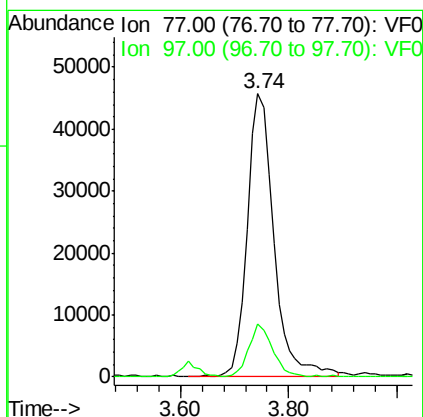
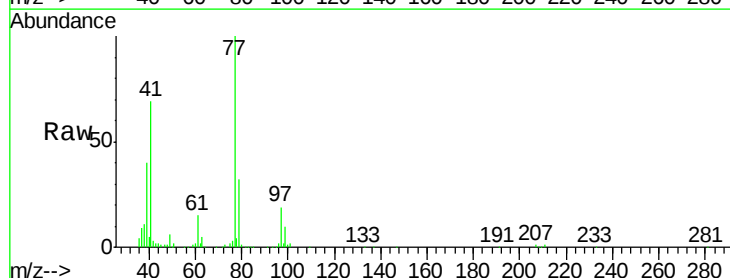
Acq: 22 Jun 2018 17:25

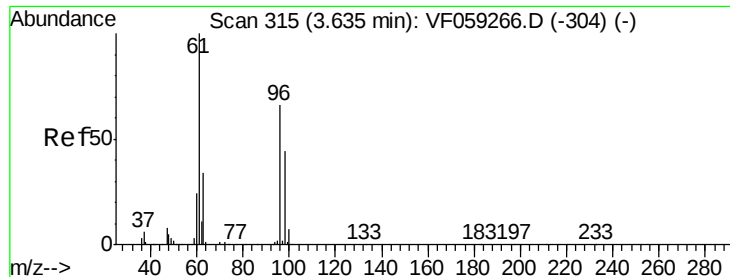
Tgt Ion: 77 Resp: 156766

Ion Ratio Lower Upper

77 100

97 18.9 7.6 22.8





#27

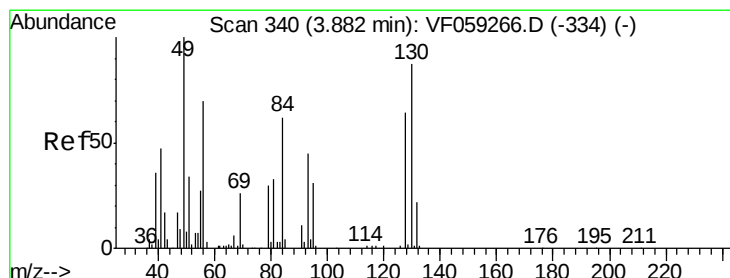
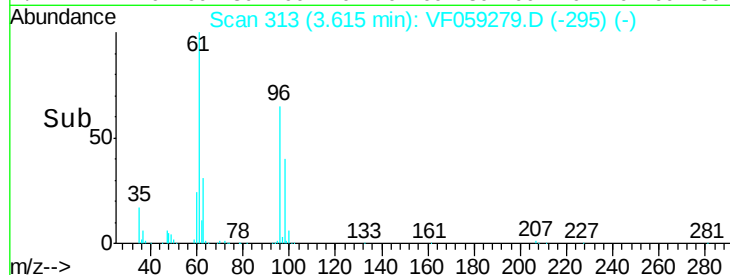
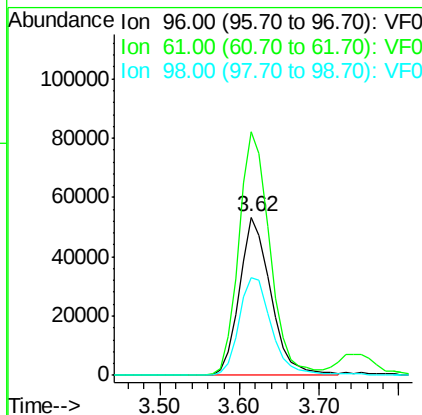
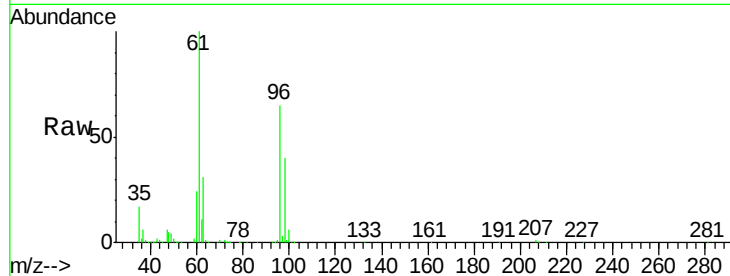
cis-1,2-Dichloroethene
Concen: 50.78 ug/l
RT: 3.62 min Scan# 313
Delta R.T. -0.02 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	154.1	0.0	305.0		
98	61.5	0.0	134.0		

Manual Integrations
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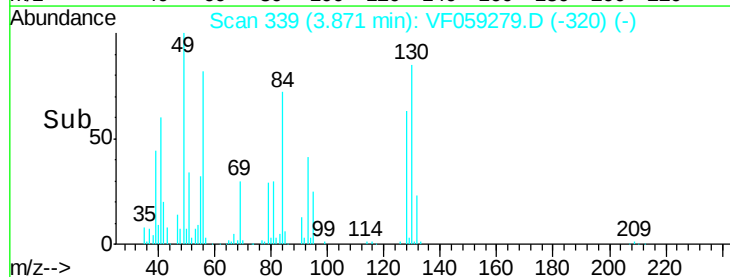
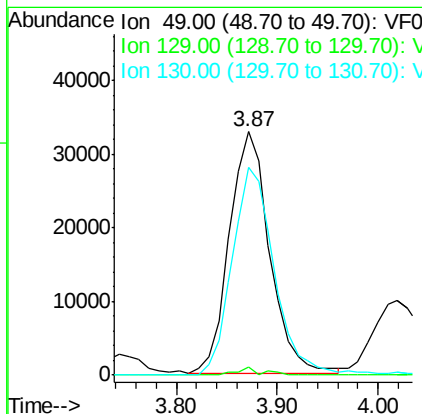
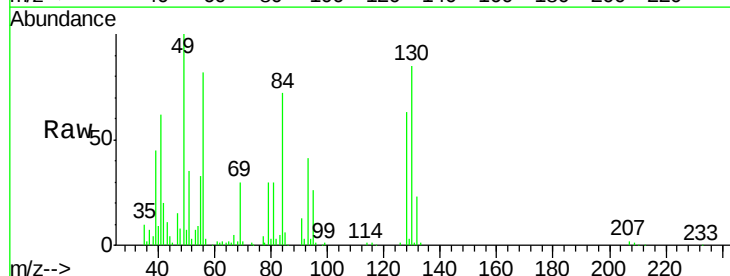
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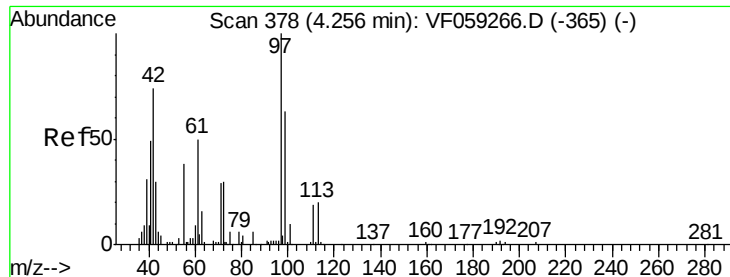


#28

Bromochloromethane
Concen: 55.86 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	3.3	0.0	3.8		
130	85.2	69.4	104.2		





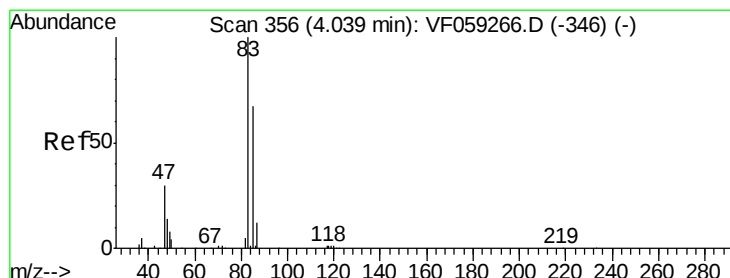
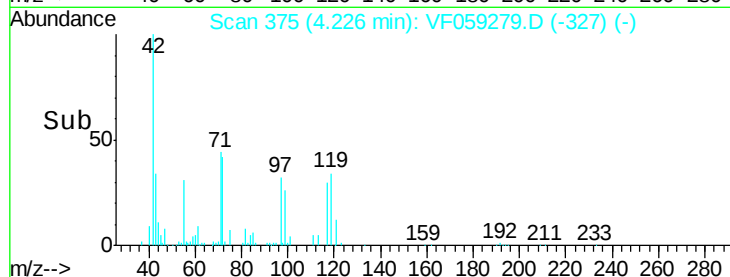
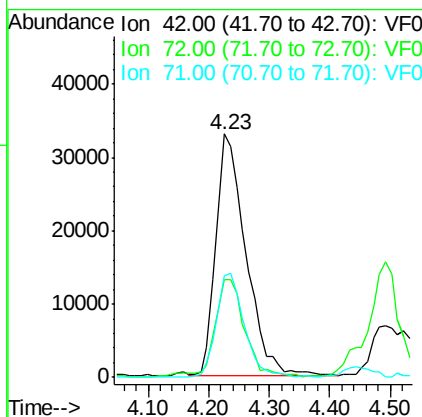
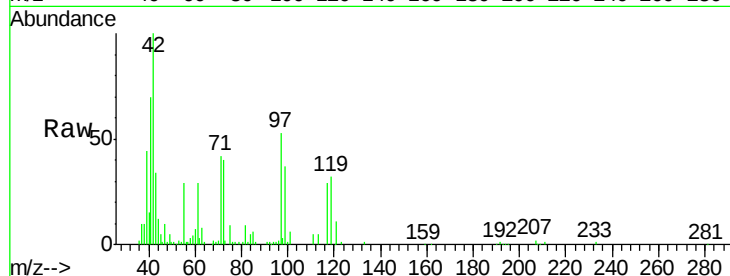
#29
Tetrahydrofuran
Concen: 219.12 ug/l
RT: 4.23 min Scan# 375
Delta R.T. -0.03 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.3	31.2	46.8
71	40.3	30.2	45.2

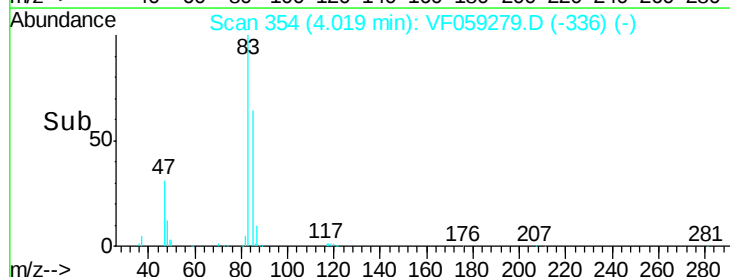
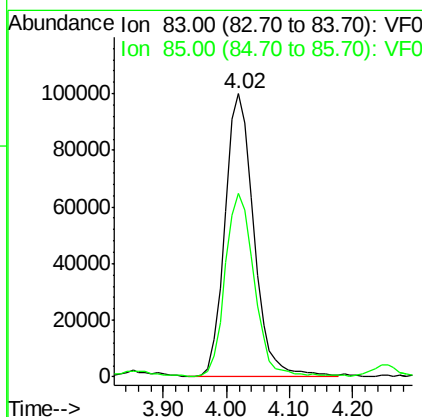
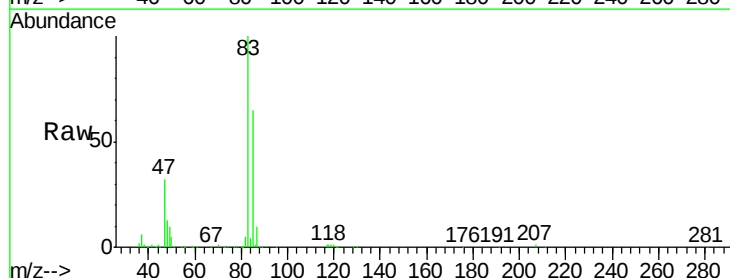
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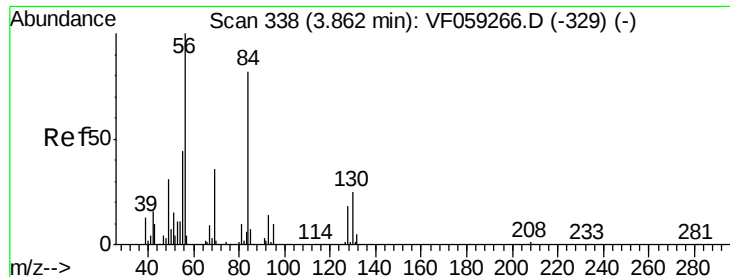
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#30
Chloroform
Concen: 49.14 ug/l
RT: 4.02 min Scan# 354
Delta R.T. -0.02 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	54.2	81.2





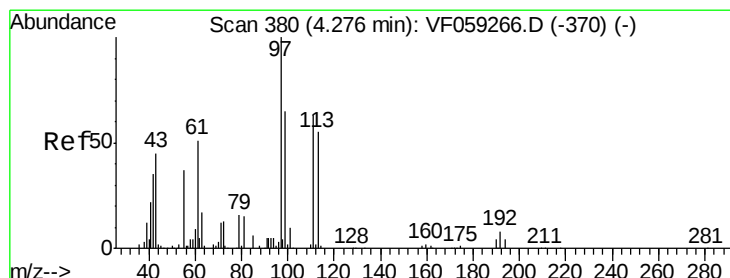
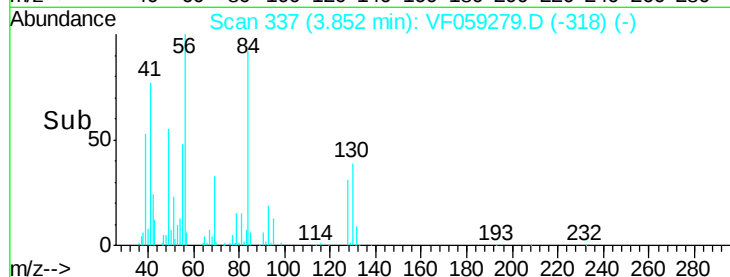
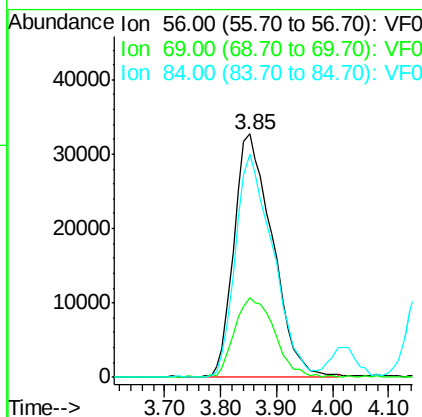
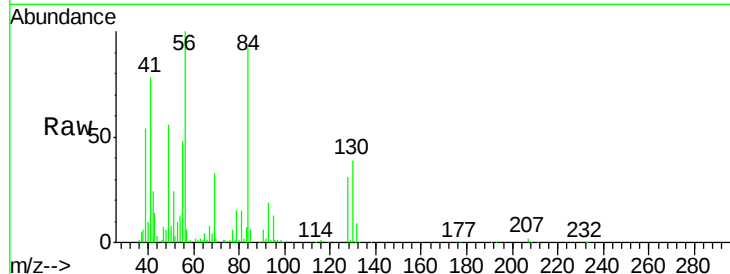
#31
Cyclohexane
Concen: 50.73 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	28.6	43.0
84	91.7	65.8	98.6

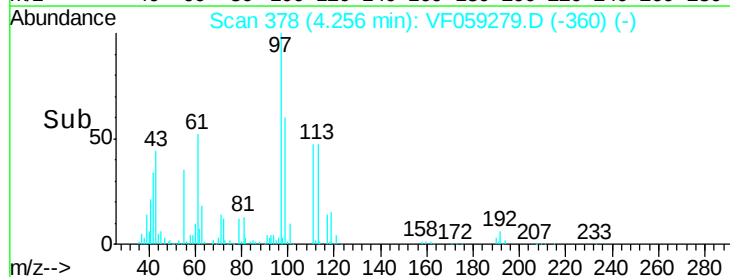
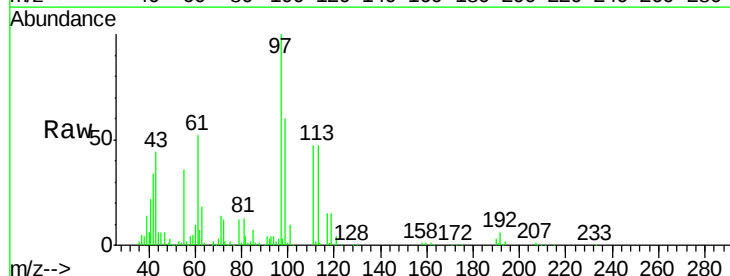
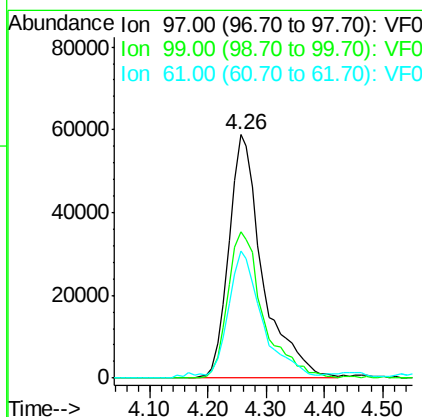
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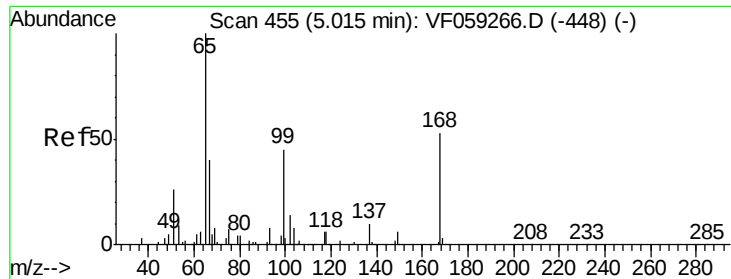
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#32
1,1,1-Trichloroethane
Concen: 48.66 ug/l
RT: 4.26 min Scan# 378
Delta R.T. -0.02 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.2	52.4	78.6
61	52.4	40.9	61.3





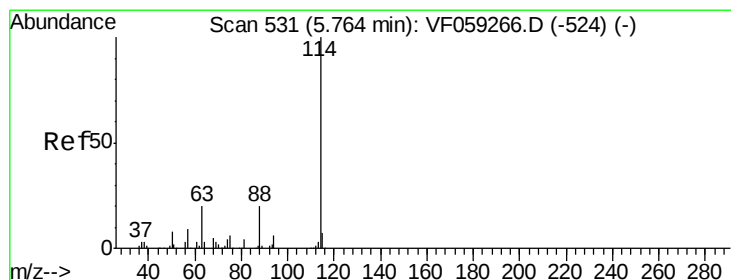
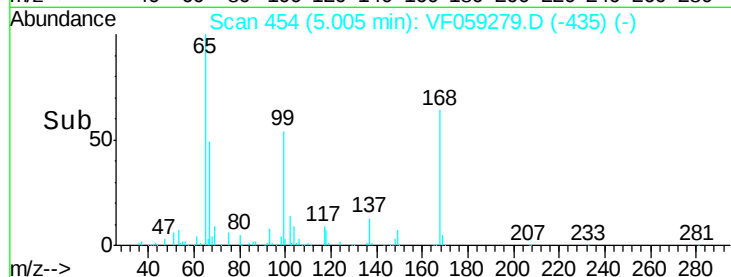
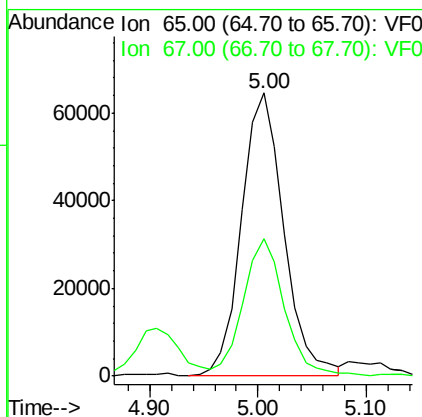
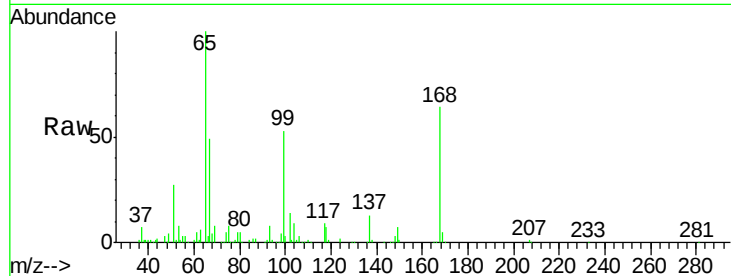
#33
 1,2-Dichloroethane-d4
 Concen: 48.56 ug/l
 RT: 5.00 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	176822		
67	48.6	0.0	95.8	

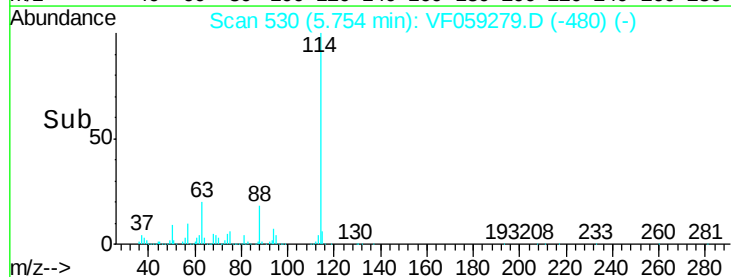
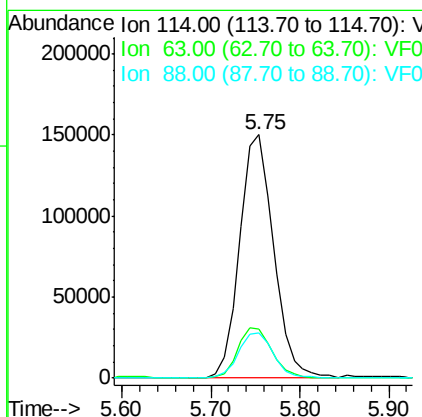
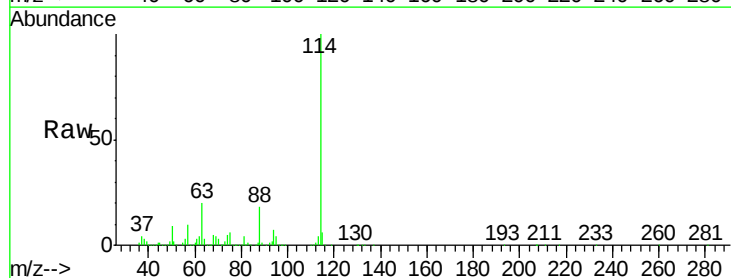
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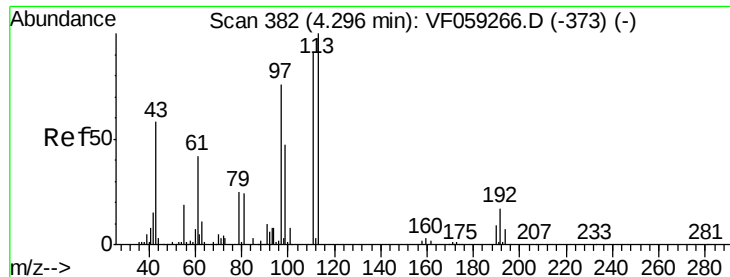
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	398685		
63	20.2	0.0	41.0	
88	18.4	0.0	39.6	





#35

Dibromofluoromethane

Concen: 44.99 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

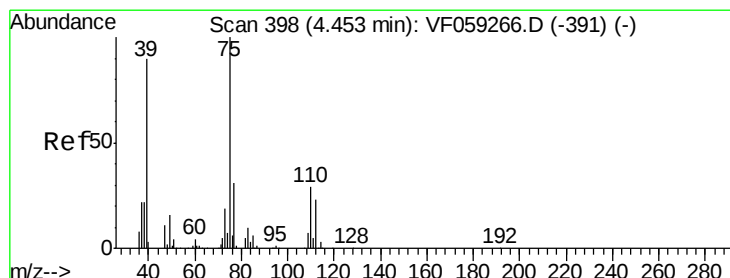
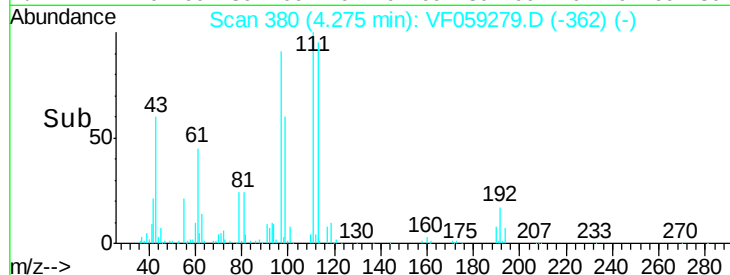
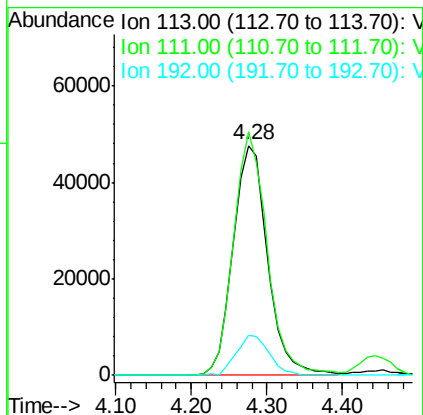
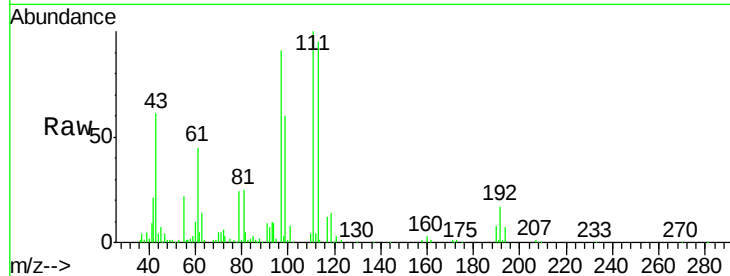
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	150919
Ion	Ratio	Lower	Upper
113	100		
111	105.0	73.1	109.7
192	17.4	13.9	20.9

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#36

1,1-Dichloropropene

Concen: 49.95 ug/l

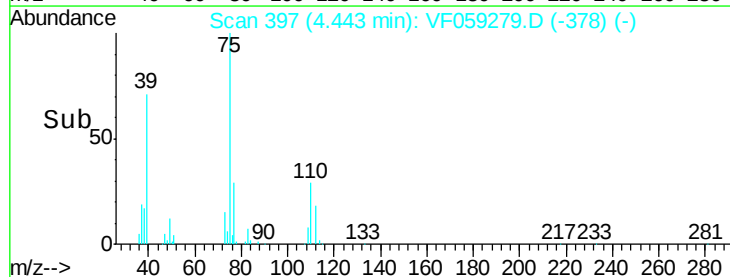
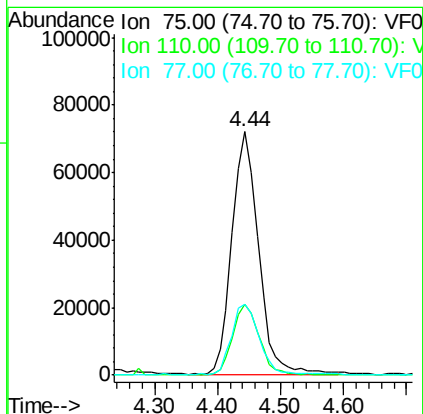
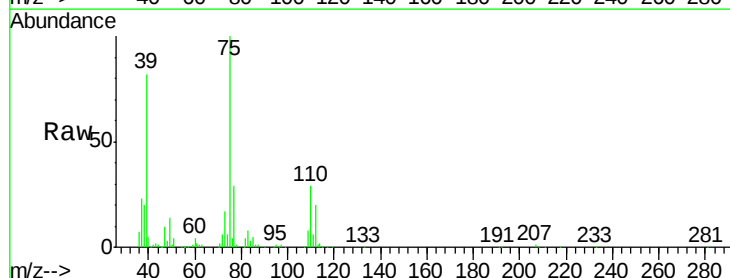
RT: 4.44 min Scan# 397

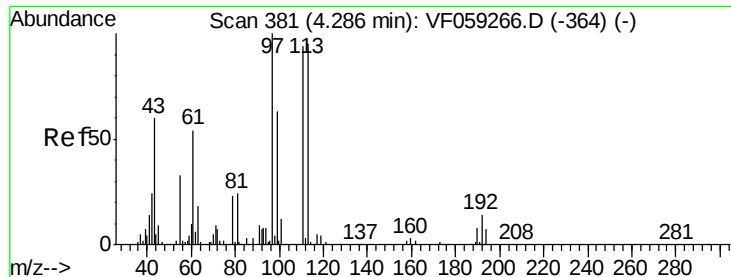
Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Tgt Ion:	75	Resp:	209296
Ion	Ratio	Lower	Upper
75	100		
110	29.1	14.5	43.5
77	29.1	25.0	37.6





#37

Ethyl Acetate

Concen: 45.31 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

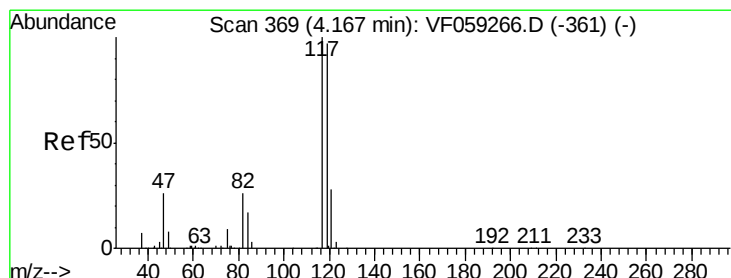
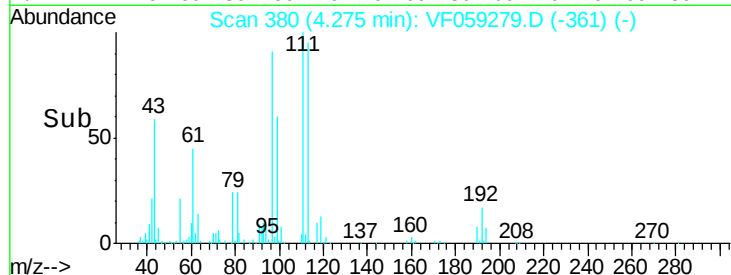
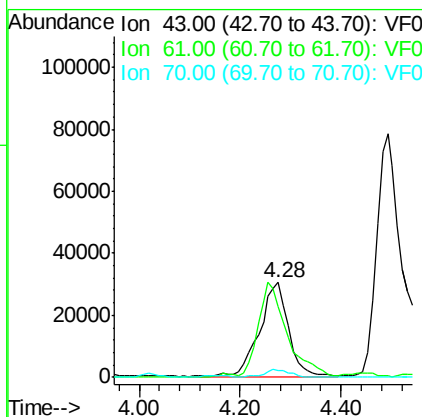
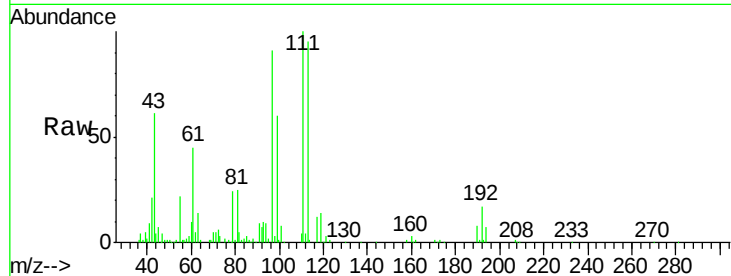
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	121312
Ion	Ratio	Lower	Upper
43	100		
61	74.8	71.6	107.4
70	7.7	6.9	10.3

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#38

Carbon Tetrachloride

Concen: 47.83 ug/l m

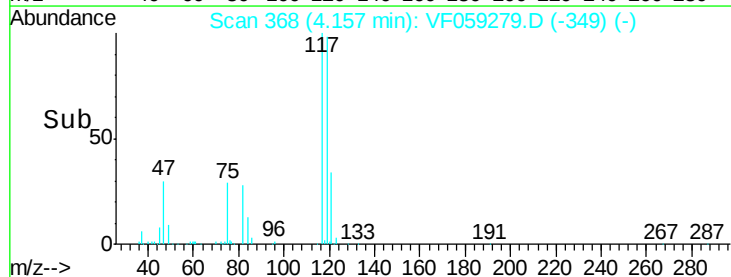
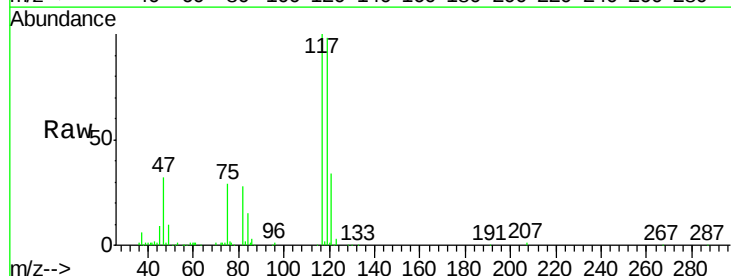
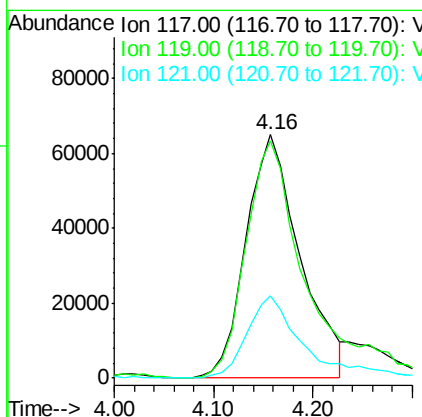
RT: 4.16 min Scan# 368

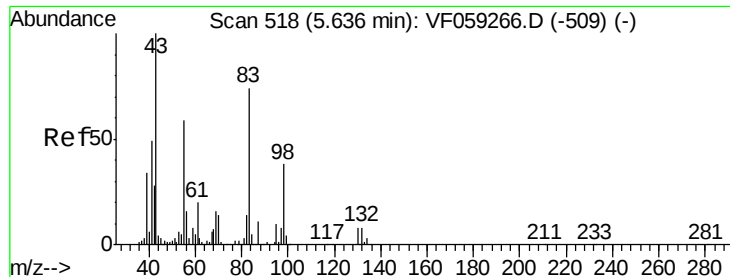
Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Tgt Ion:	117	Resp:	246158
Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.5	116.3
121	33.7	22.2	33.4#





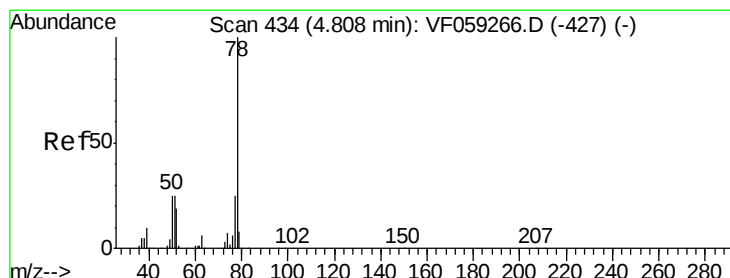
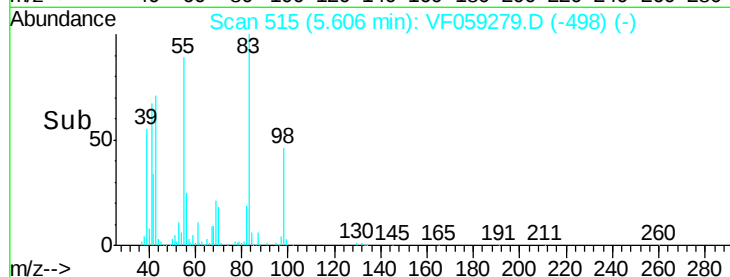
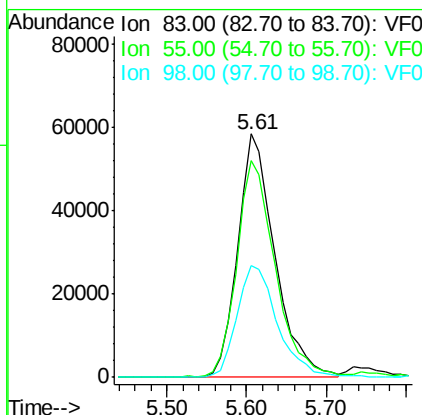
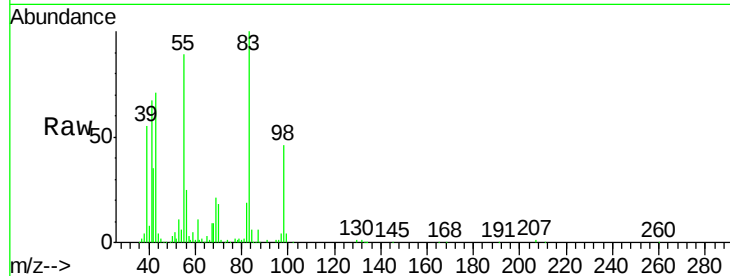
#39
Methvlcvclohexane
Concen: 50.27 ug/l
RT: 5.61 min Scan# 515
Delta R.T. -0.03 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.0	63.7	95.5
98	45.7	41.6	62.4

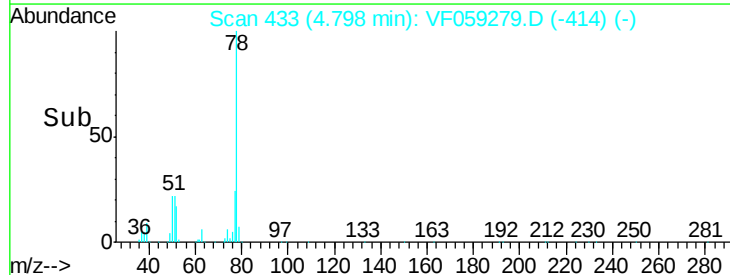
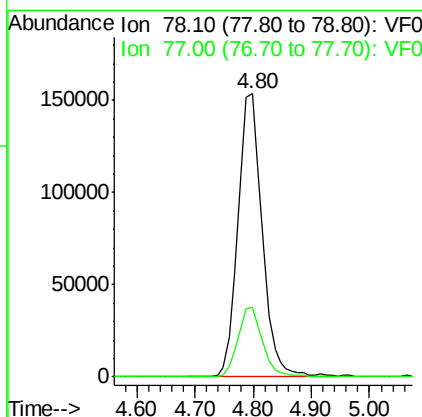
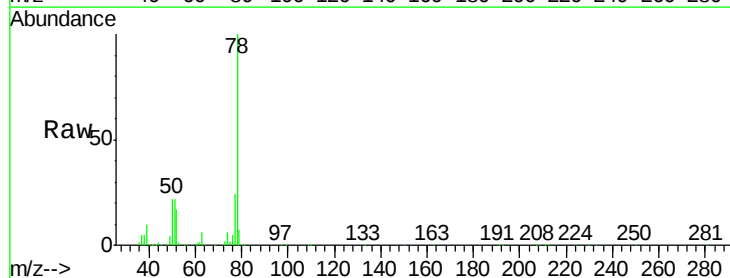
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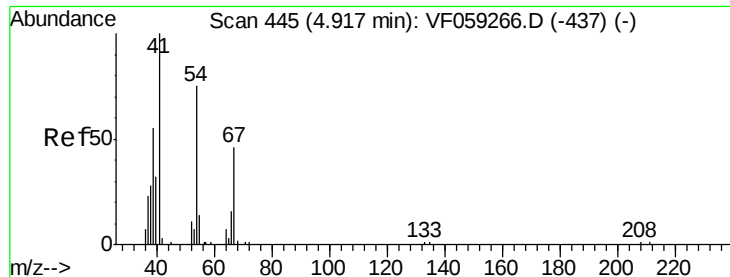
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#40
Benzene
Concen: 50.21 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	20.4	30.6





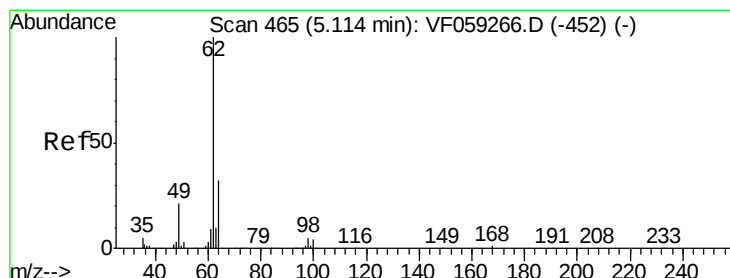
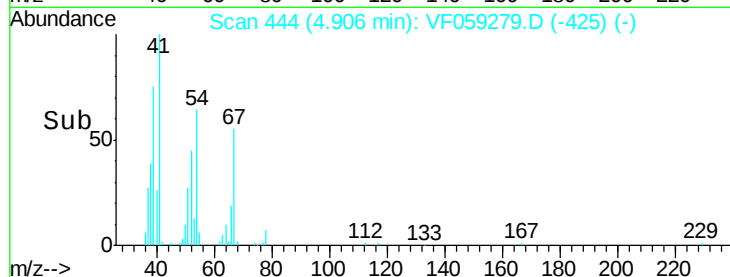
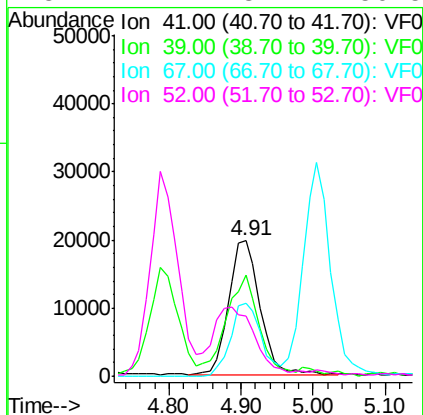
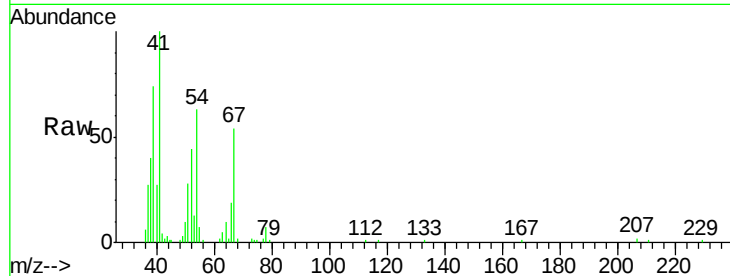
#41
Methacrylonitrile
Concen: 46.83 ug/l
RT: 4.91 min Scan# 444
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.4	57.0	85.6
67	54.2	36.8	55.2
52	44.1	37.7	56.5

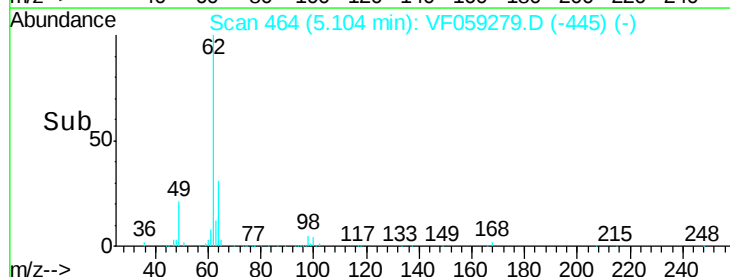
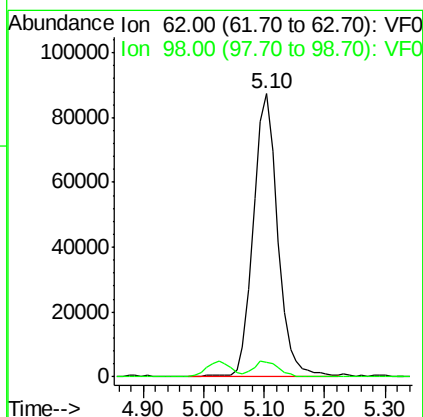
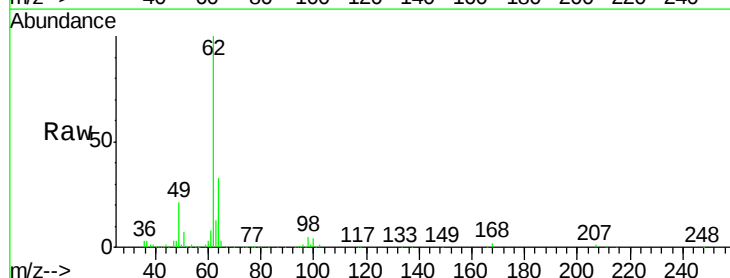
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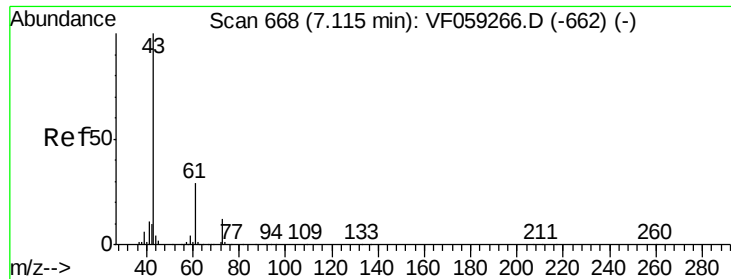
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#42
1,2-Dichloroethane
Concen: 47.98 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.1	0.0	10.4





#43

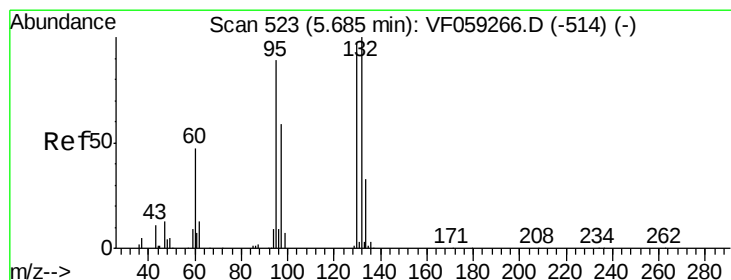
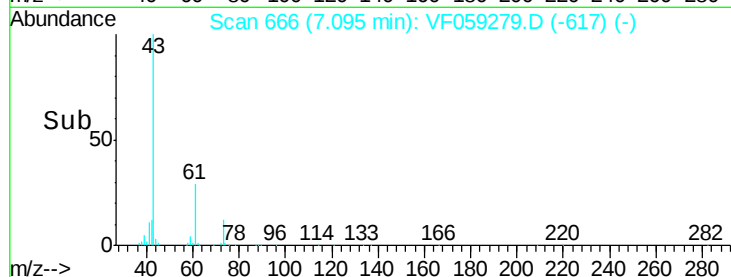
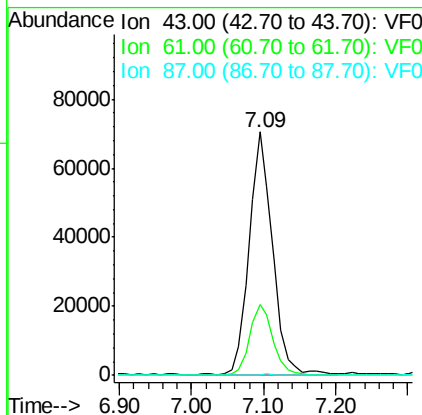
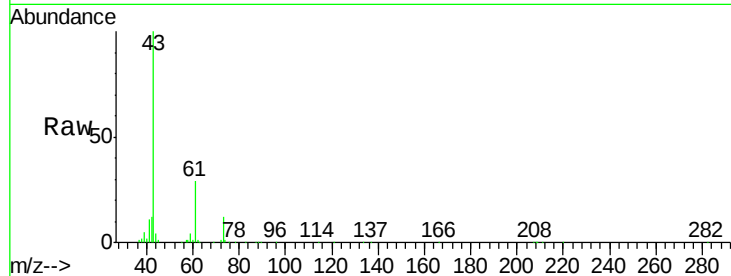
Isopropyl Acetate
 Concen: 48.41 ug/l
 RT: 7.09 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	22.8	34.2
87	0.4	0.3	0.5

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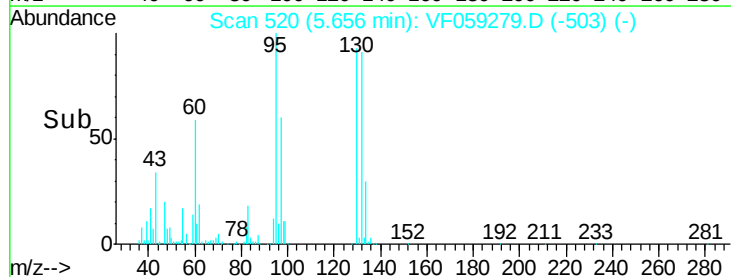
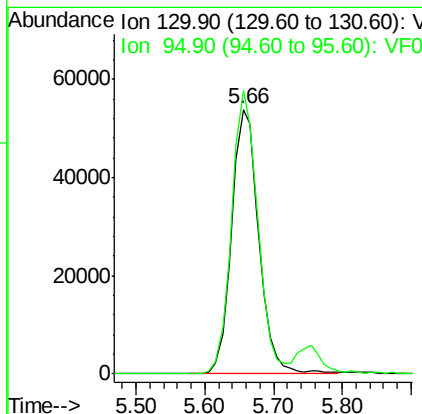
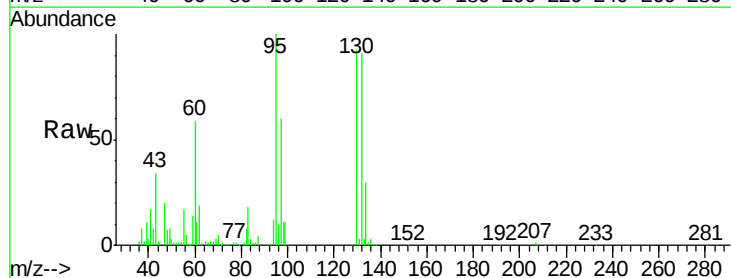
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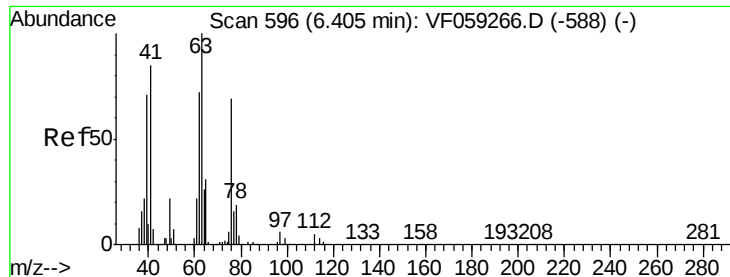


#44

Trichloroethene
 Concen: 47.74 ug/l
 RT: 5.66 min Scan# 520
 Delta R.T. -0.03 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.0	0.0	183.6





#45

1,2-Dichloropropane

Concen: 50.58 ug/l

RT: 6.38 min Scan# 594

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 131176

Ion Ratio Lower Upper

63 100

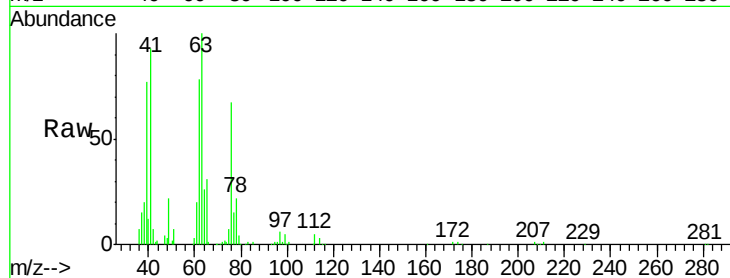
65 30.6 25.3 37.9

Manual Integrations

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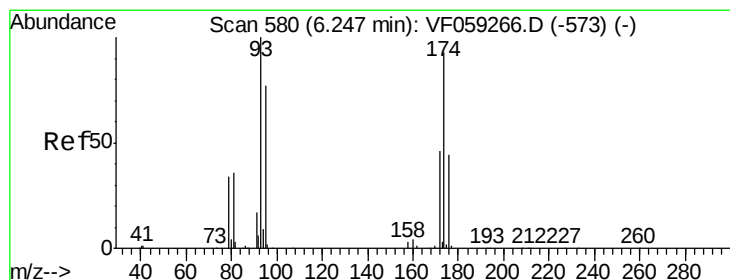
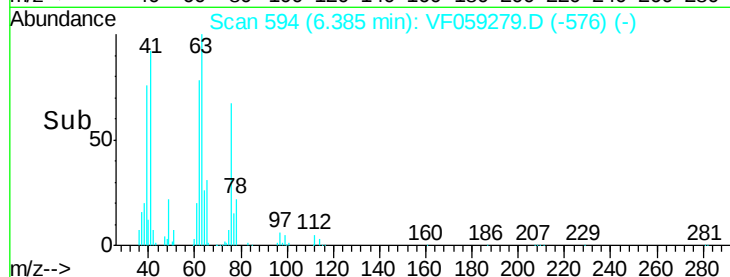
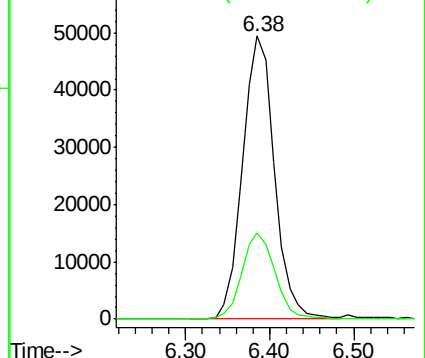
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 47.48 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

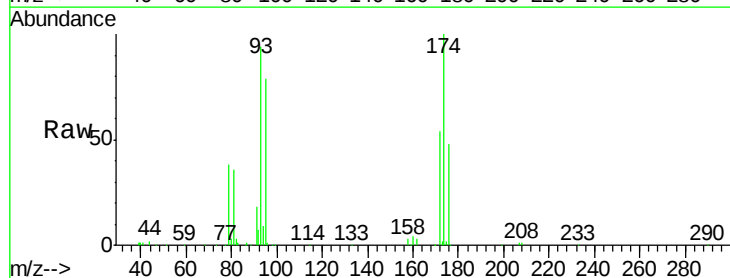
Tgt Ion: 93 Resp: 103925

Ion Ratio Lower Upper

93 100

95 85.4 61.8 92.6

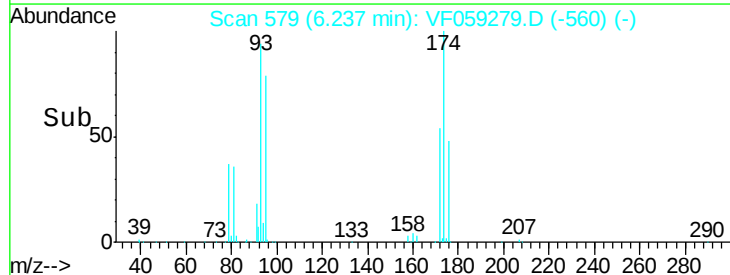
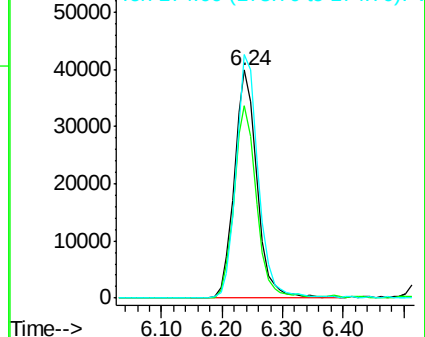
174 106.8 74.4 111.6

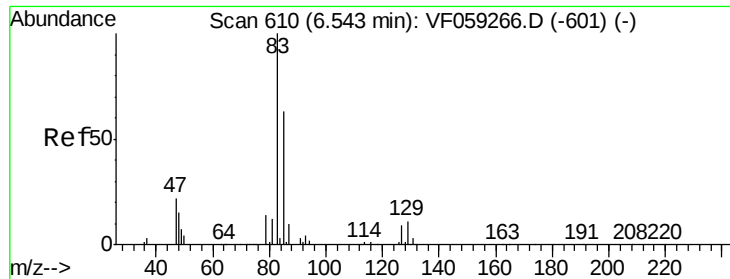


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 49.76 ug/l

RT: 6.53 min Scan# 609

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

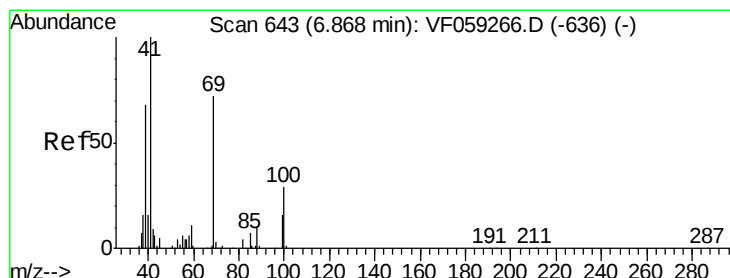
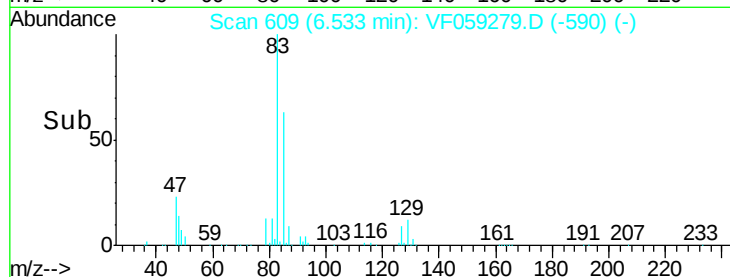
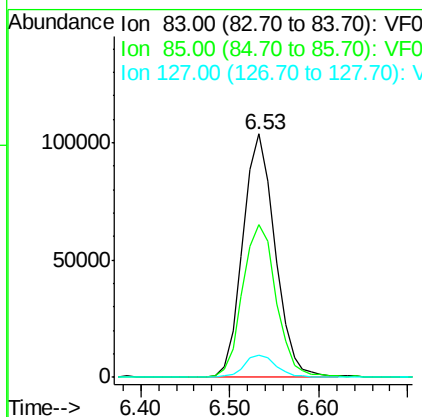
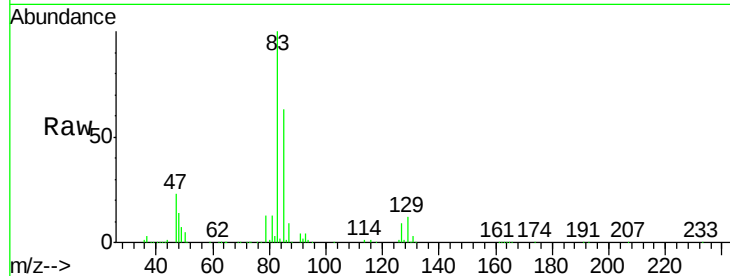
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	260804
Ion Ratio	Lower	Upper	
83	100		
85	62.9	50.3	75.5
127	8.9	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.45 ug/l

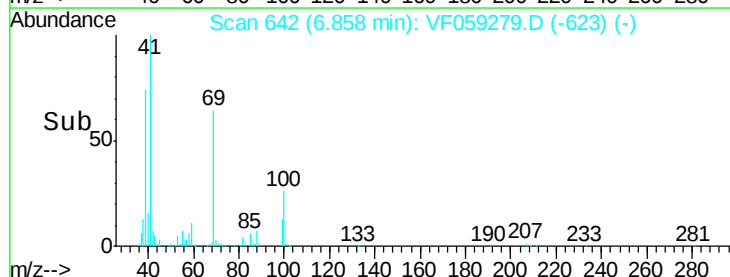
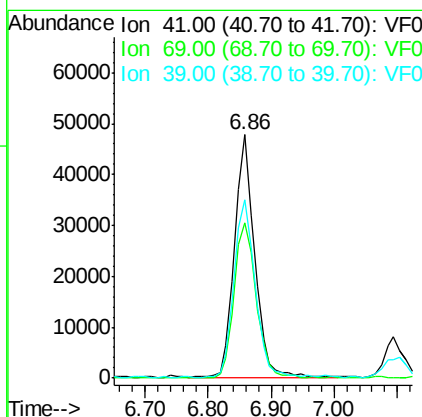
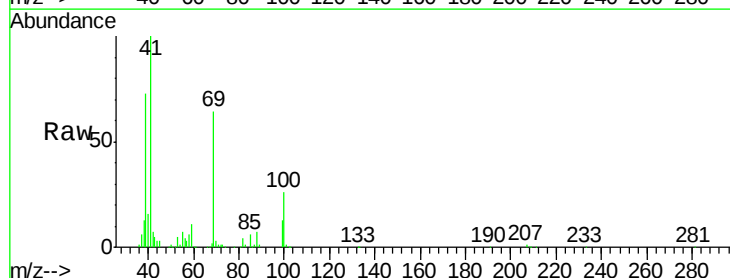
RT: 6.86 min Scan# 642

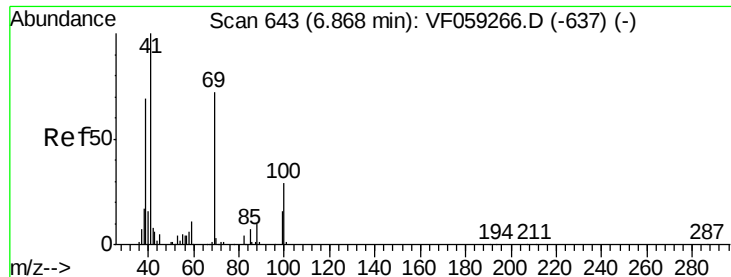
Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Tgt Ion:	41	Resp:	104783
Ion Ratio	Lower	Upper	
41	100		
69	63.7	57.4	86.2
39	73.1	54.8	82.2





#49

1,4-Dioxane

Concen: 874.02 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

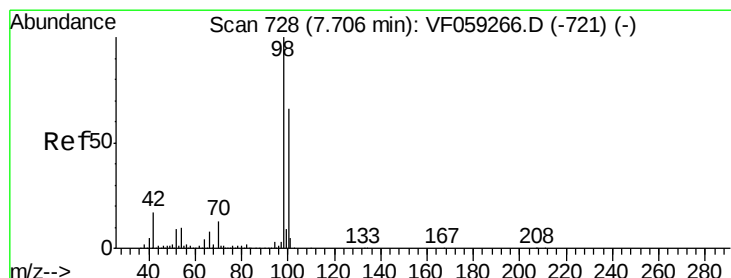
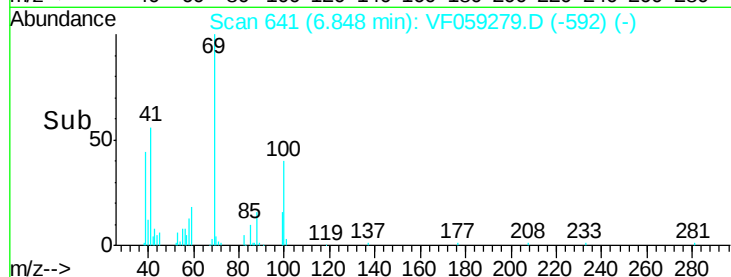
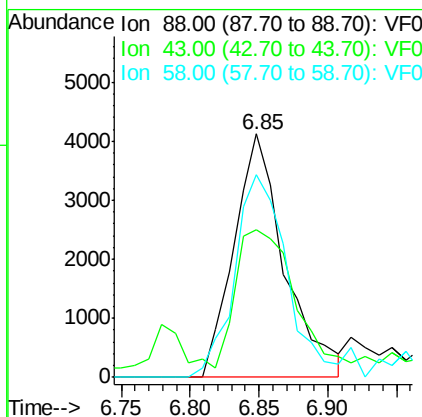
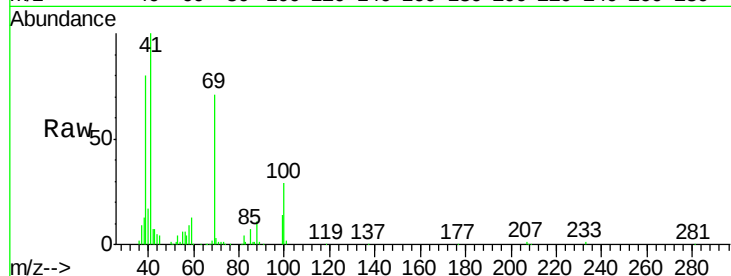
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	10527
Ion Ratio	Lower	Upper	
88	100		
43	60.5	55.5	83.3
58	83.3	50.1	75.1#

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#50

Toluene-d8

Concen: 47.41 ug/l

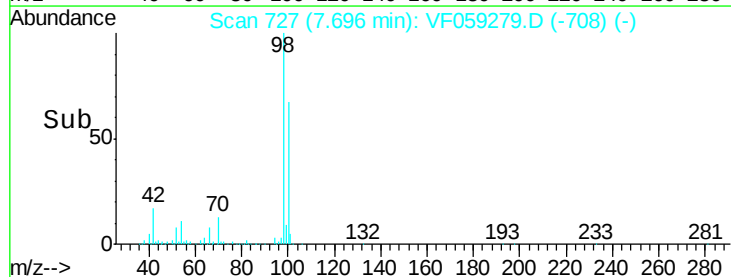
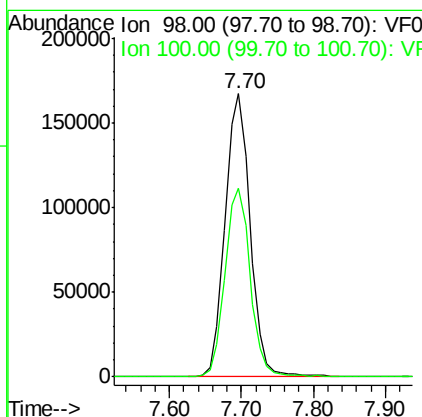
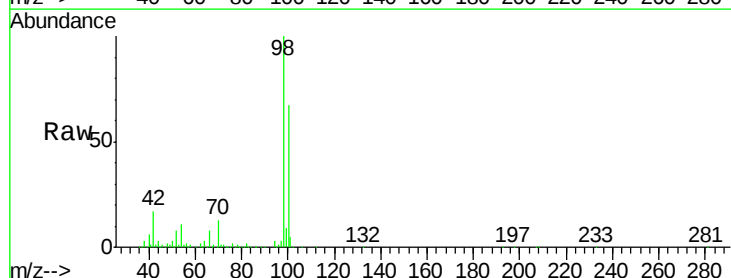
RT: 7.70 min Scan# 727

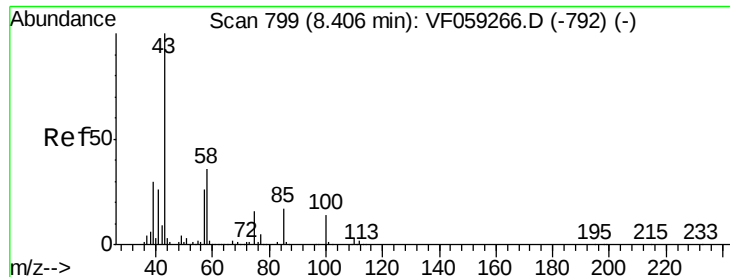
Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Tgt Ion:	98	Resp:	404545
Ion Ratio	Lower	Upper	
98	100		
100	66.7	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 233.81 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 546995

Ion Ratio Lower Upper

43 100

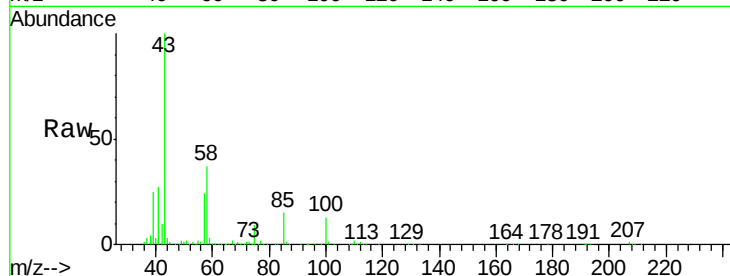
58 37.0 29.0 43.6

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.39

250000

200000

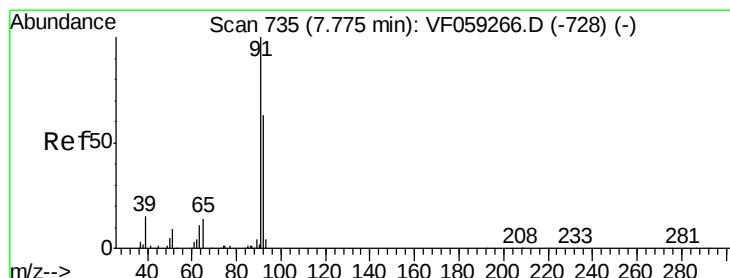
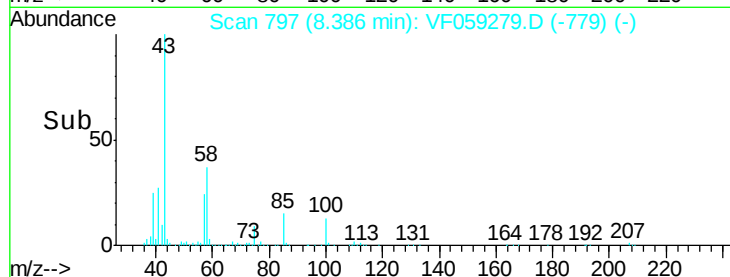
150000

100000

50000

0

Time--> 8.20 8.30 8.40 8.50 8.60



#52

Toluene

Concen: 46.19 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059279.D

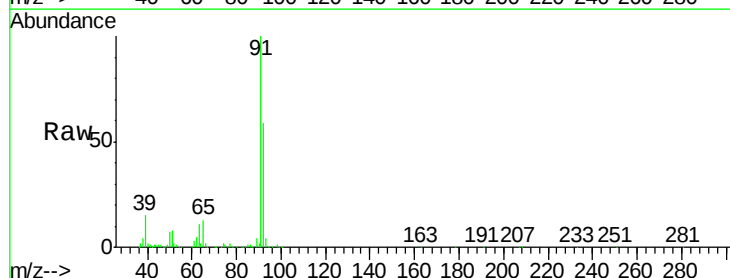
Acq: 22 Jun 2018 17:25

Tgt Ion: 92 Resp: 316889

Ion Ratio Lower Upper

92 100

91 169.8 127.8 191.6



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.76

250000

200000

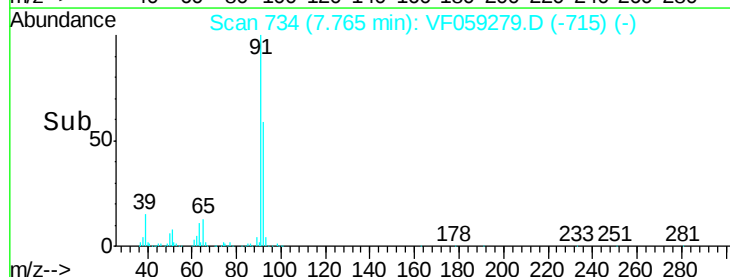
150000

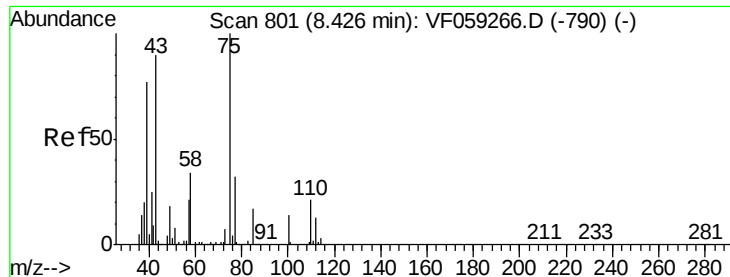
100000

50000

0

Time--> 7.60 7.70 7.80 7.90





#53

t-1,3-Dichloropropene

Concen: 47.11 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Tot Ion: 75 Resp: 231772

Ion Ratio Lower Upper

75 100

77 32.5 26.1 39.1

Instrument :

MSVOA_F

ClientSampleId :

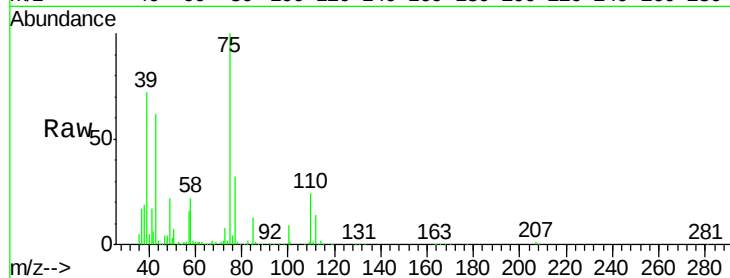
VSTDCCC050

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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

8.42

100000

80000

60000

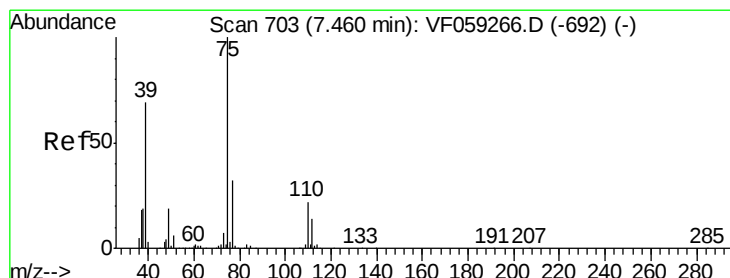
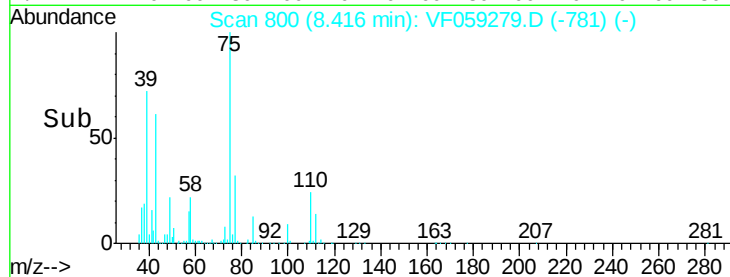
40000

20000

0

8.30 8.40 8.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 49.21 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

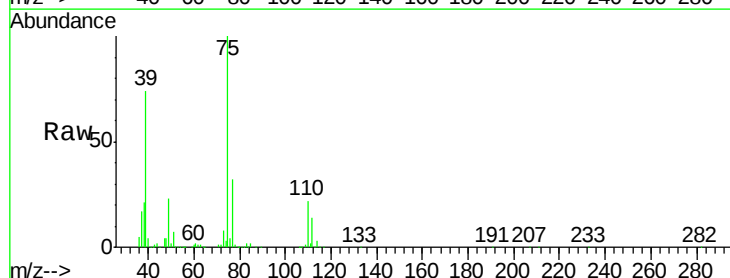
Tgt Ion: 75 Resp: 255643

Ion Ratio Lower Upper

75 100

77 32.3 26.0 39.0

39 73.9 55.5 83.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

7.44

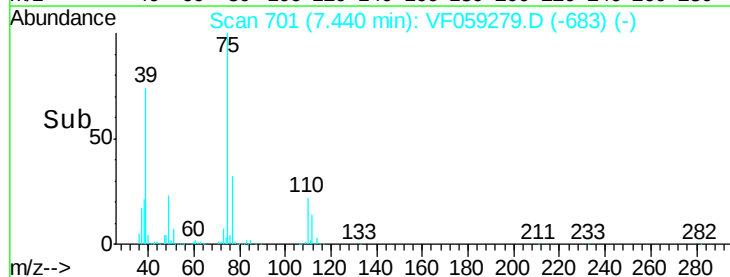
100000

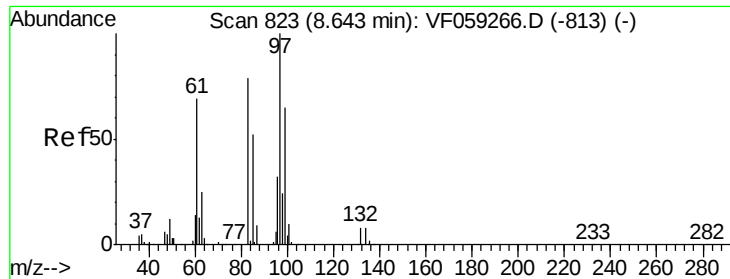
50000

0

7.30 7.40 7.50 7.60

Time-->





#55

1,1,2-Trichloroethane

Concen: 47.63 ug/l

RT: 8.62 min Scan# 821

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

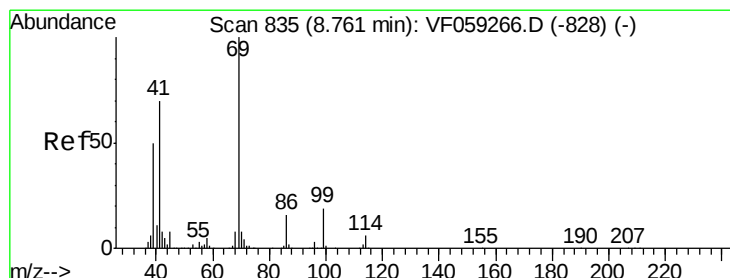
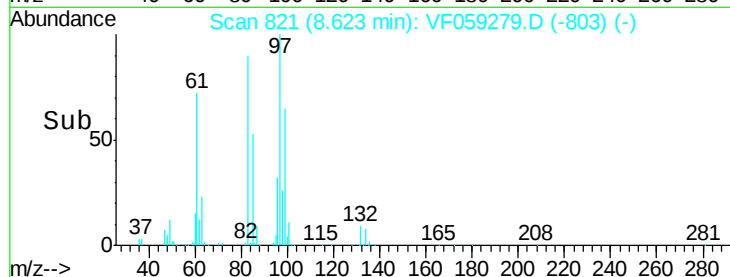
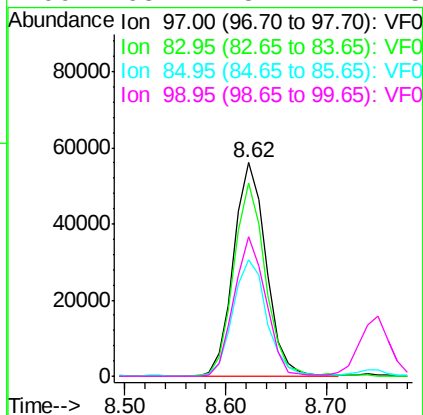
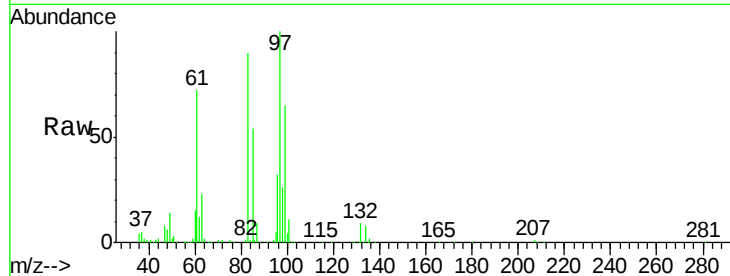
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	126139
Ion	Ratio	Lower	Upper
97	100		
83	90.3	63.2	94.8
85	54.3	41.8	62.6
99	65.2	51.7	77.5

Manual Integrations
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#56

Ethyl methacrylate

Concen: 49.49 ug/l

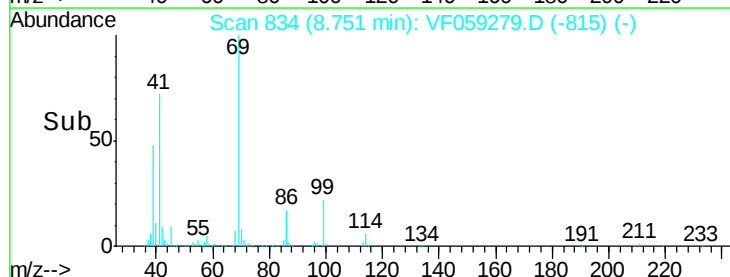
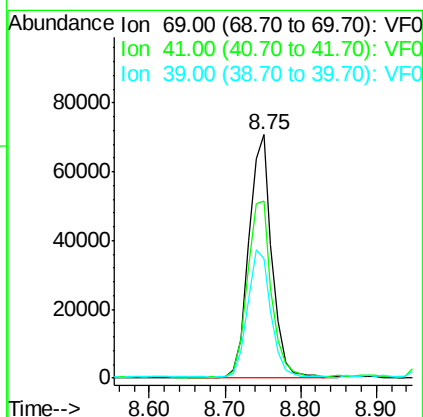
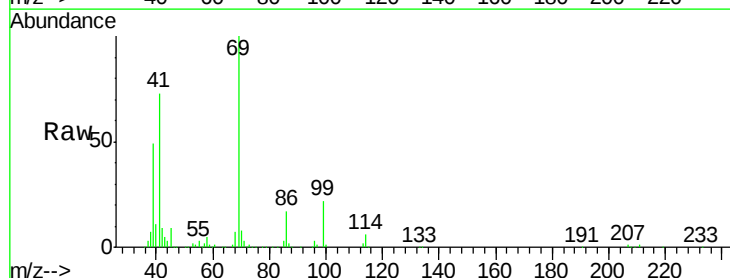
RT: 8.75 min Scan# 834

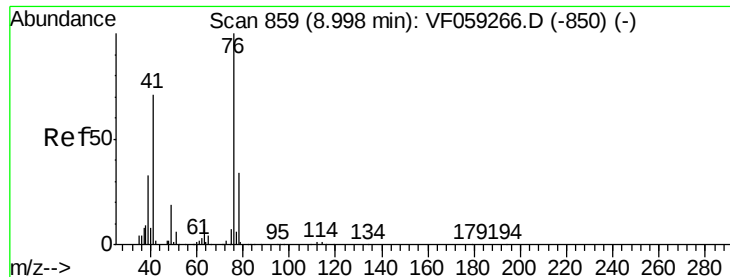
Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Tgt Ion:	69	Resp:	149871
Ion	Ratio	Lower	Upper
69	100		
41	72.9	56.6	85.0
39	48.8	40.5	60.7





#57

1,3-Dichloropropane

Concen: 48.36 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 211863

Ion Ratio Lower Upper

76 100

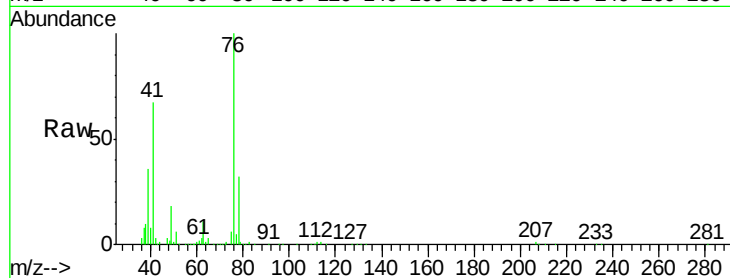
78 31.9 27.5 41.3

Manual Integrations

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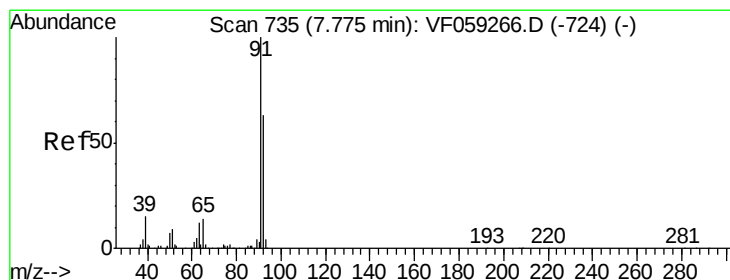
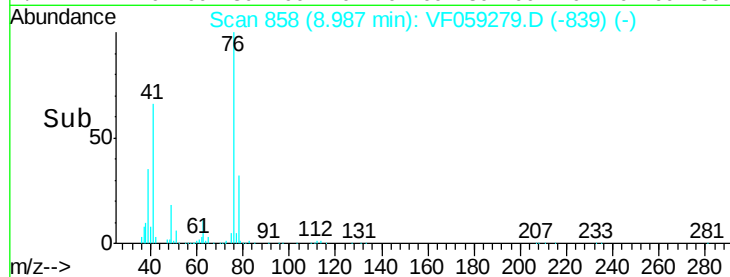
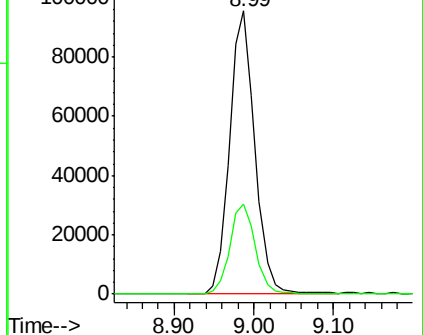
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 232.63 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059279.D

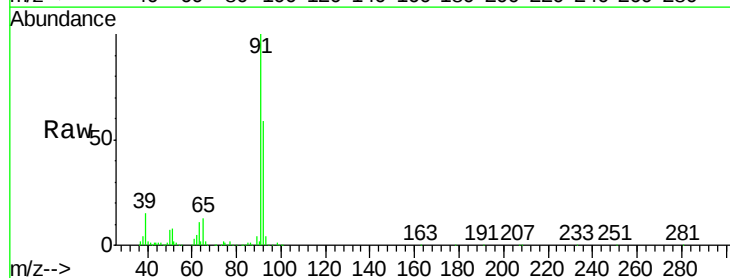
Acq: 22 Jun 2018 17:25

Tgt Ion: 63 Resp: 56338

Ion Ratio Lower Upper

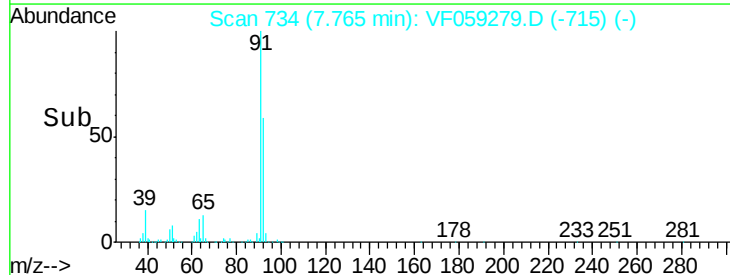
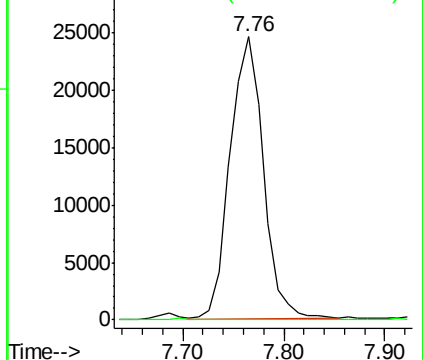
63 100

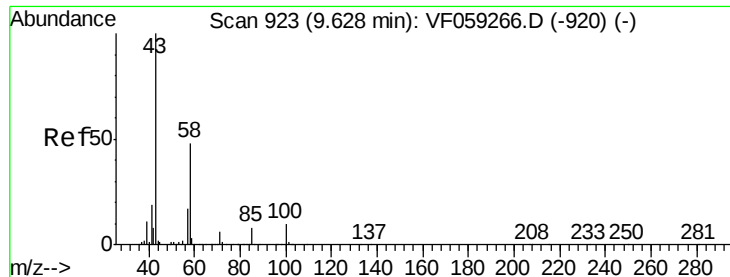
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





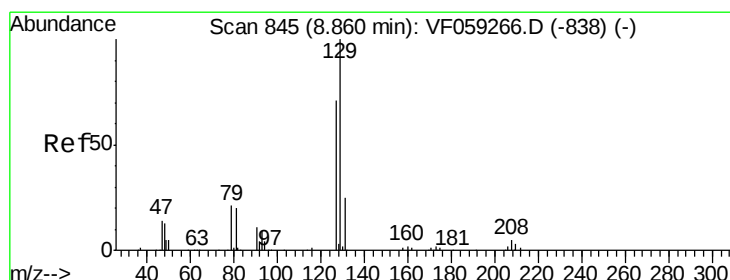
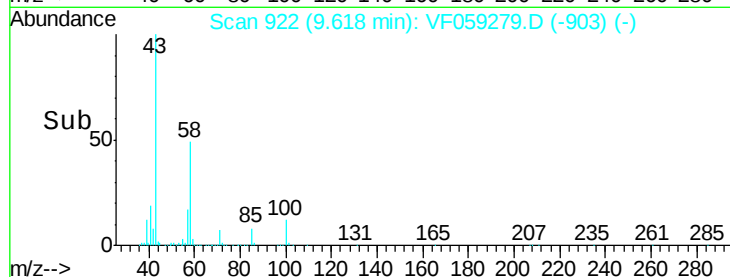
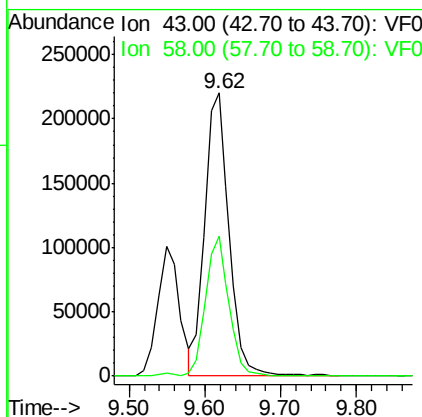
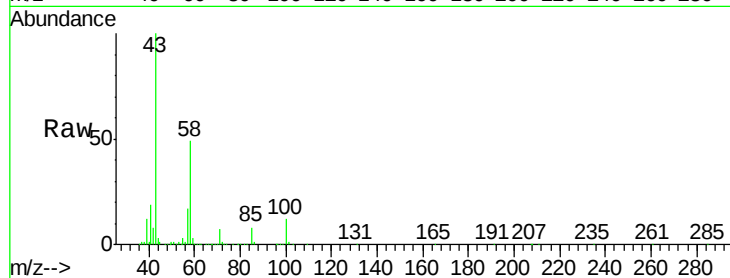
#59
2-Hexanone
Concen: 263.65 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.3	23.3	69.9

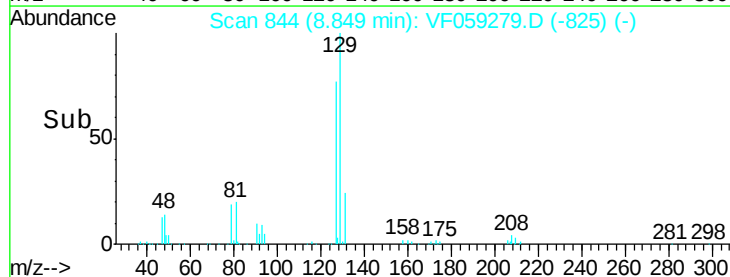
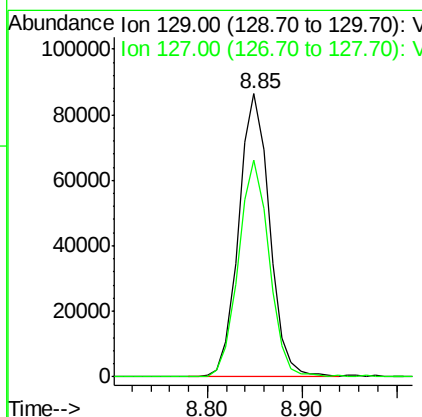
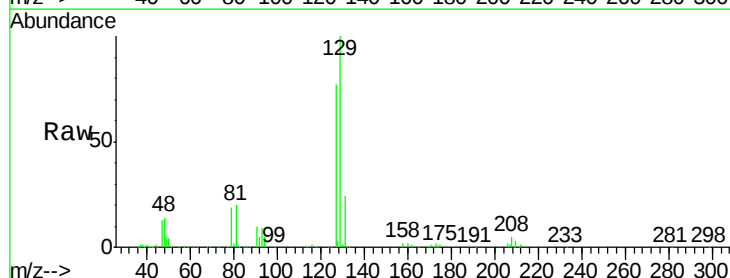
Manual Integrations
APPROVED

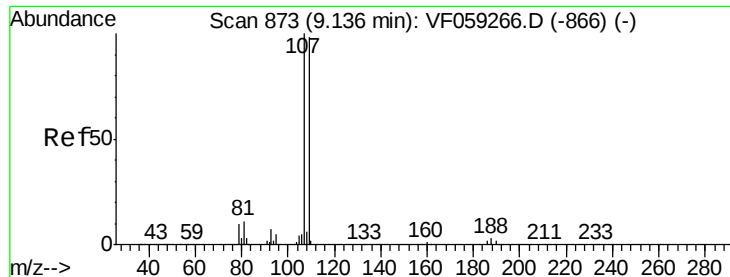
apatel
6/24/2018 11:35:08 AM



#60
Dibromochloromethane
Concen: 50.04 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	35.4	106.2





#61

1,2-Dibromoethane

Concen: 48.73 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 148677

Ion Ratio Lower Upper

107 100

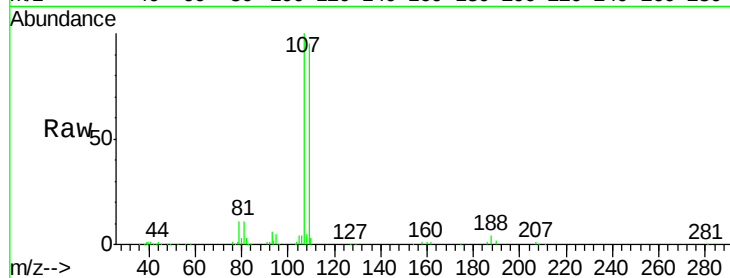
109 95.1 78.0 117.0

Manual Integrations

APPROVED

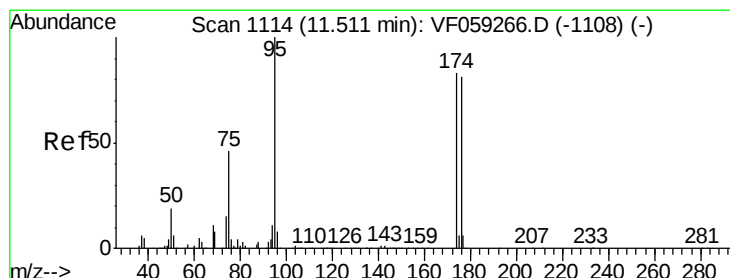
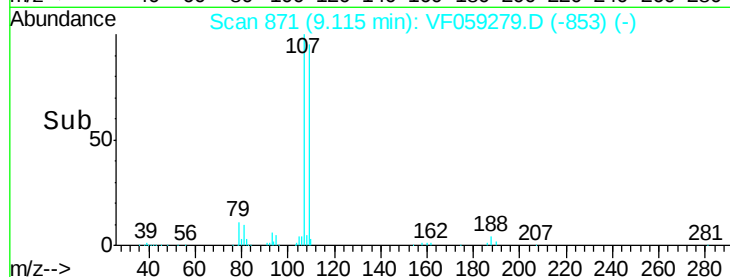
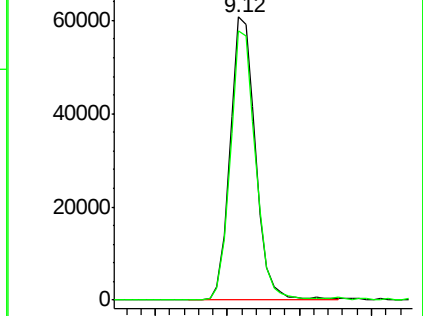
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 47.54 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

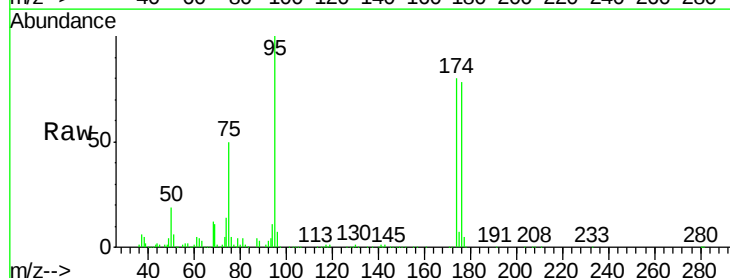
Tgt Ion: 95 Resp: 224921

Ion Ratio Lower Upper

95 100

174 80.0 0.0 166.2

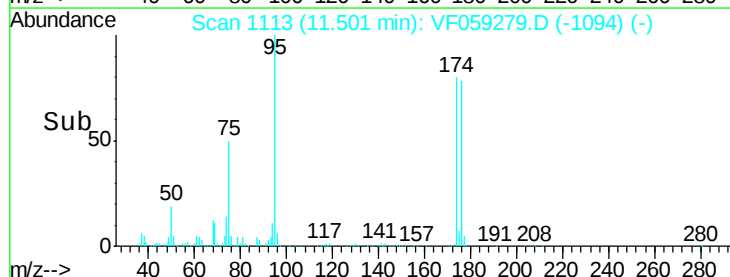
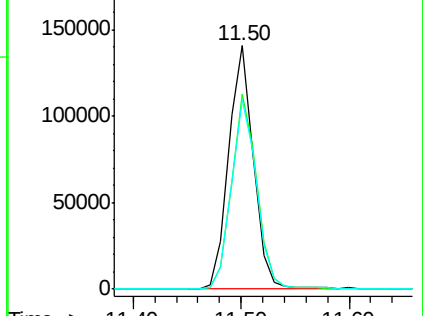
176 77.9 0.0 162.8

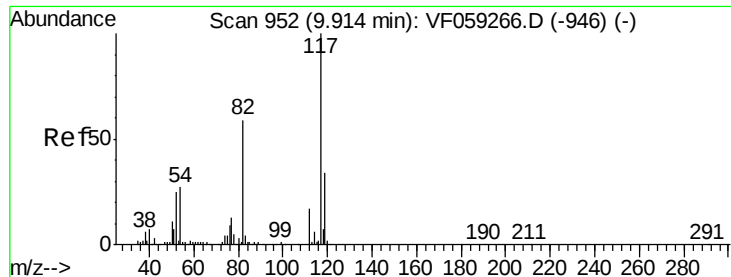


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





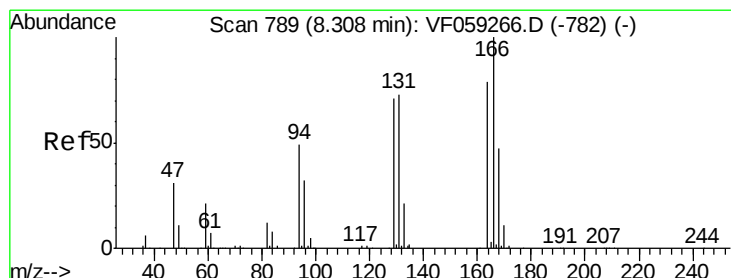
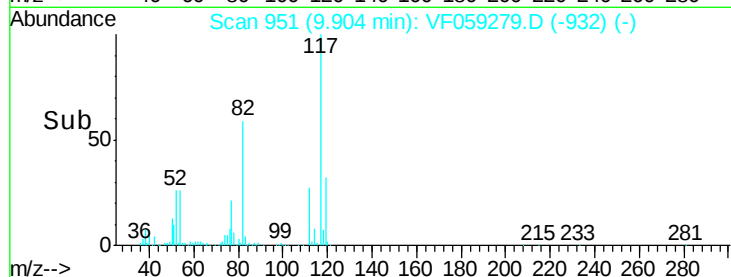
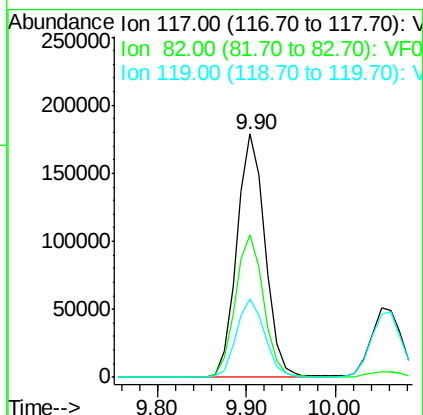
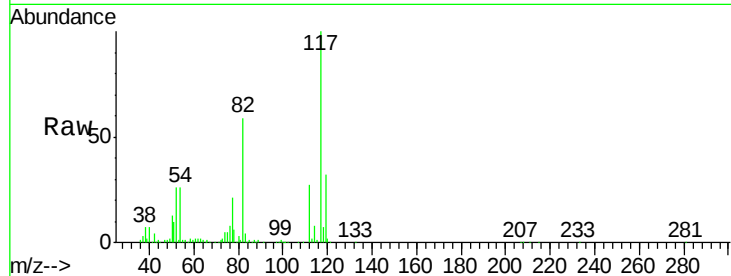
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	396622		
82	58.8		47.1	70.7
119	32.1		26.9	40.3

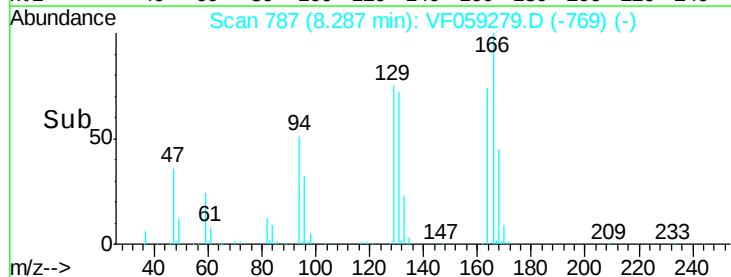
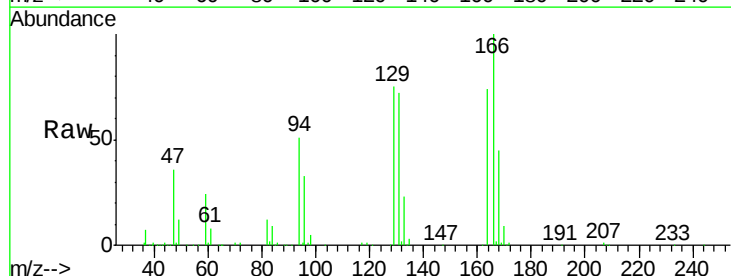
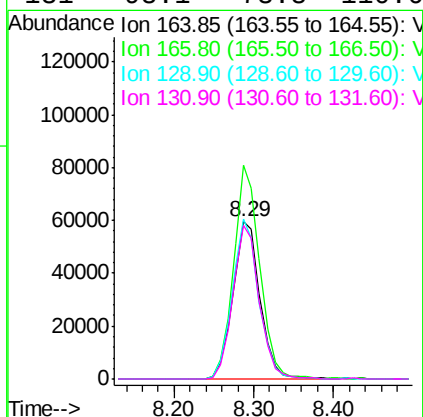
Manual Integrations
APPROVED

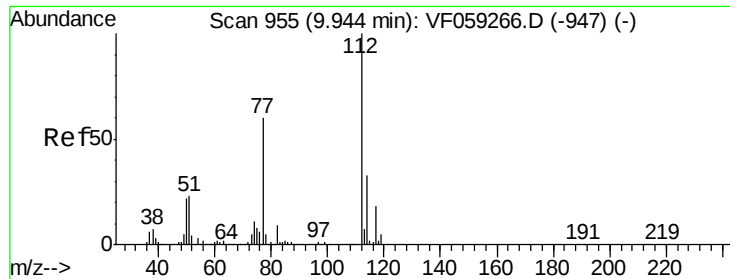
apatel
6/24/2018 11:35:08 AM



#64
Tetrachloroethene
Concen: 46.14 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	140545		
166	135.9		101.4	152.2
129	101.6		72.2	108.4
131	98.1		73.8	110.6





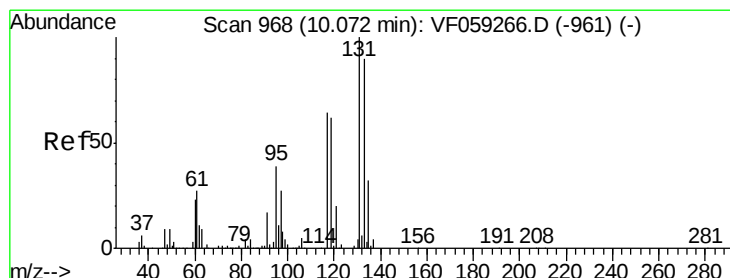
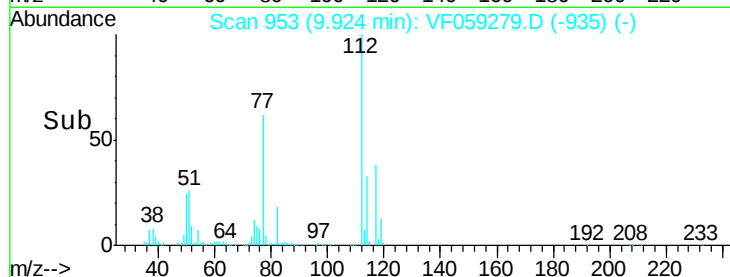
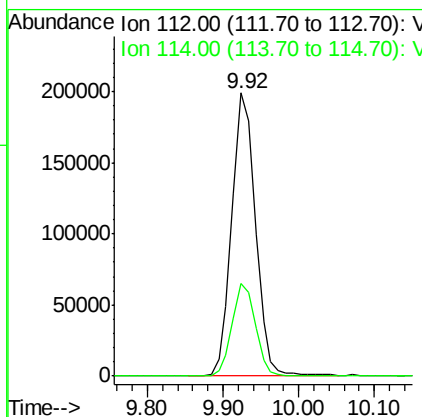
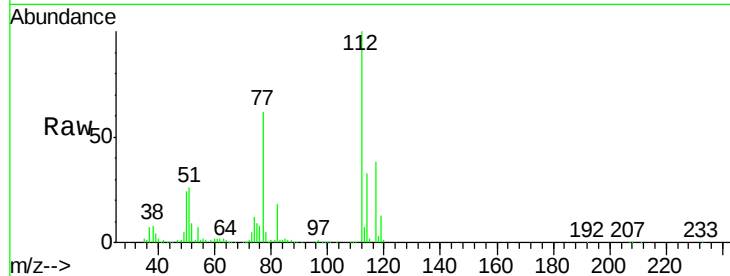
#65
Chlorobenzene
Concen: 51.16 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.02 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	26.4	39.6

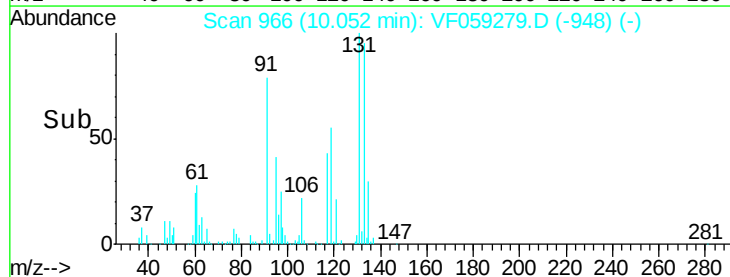
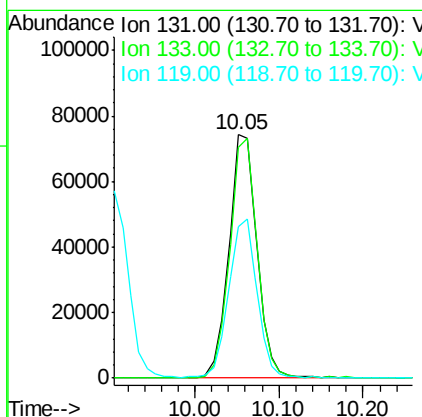
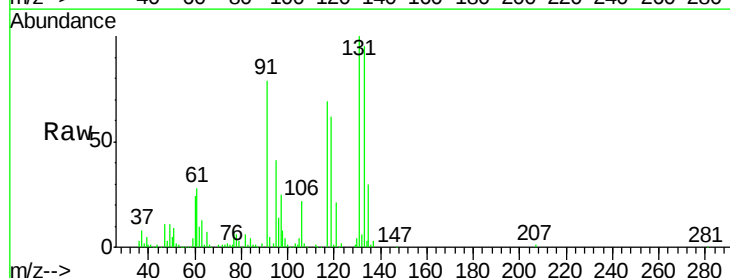
Manual Integrations
APPROVED

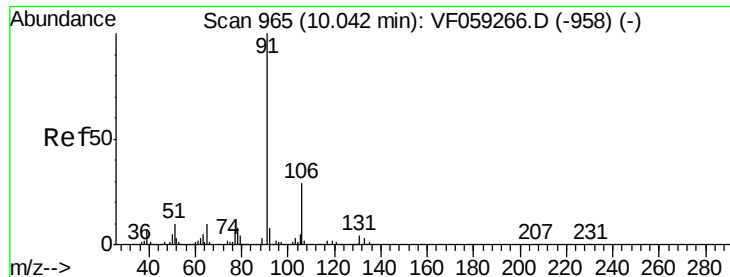
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.01 ug/l
RT: 10.05 min Scan# 966
Delta R.T. -0.02 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	45.1	135.2
119	62.1	31.2	93.6





#67

Ethyl Benzene

Concen: 49.20 ug/l

RT: 10.02 min Scan# 963

Delta R.T. -0.02 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 704920

Ion Ratio Lower Upper

91 100

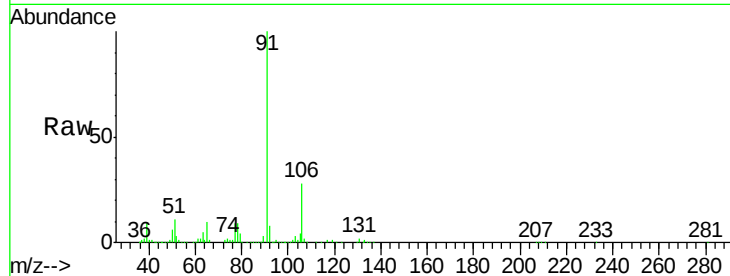
106 28.5 23.4 35.2

Manual Integrations

APPROVED

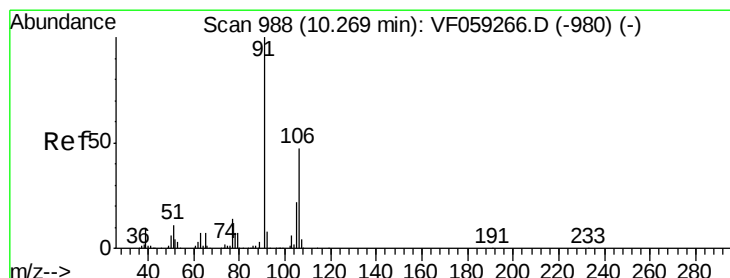
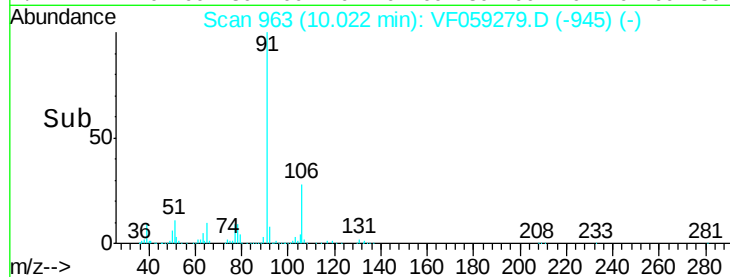
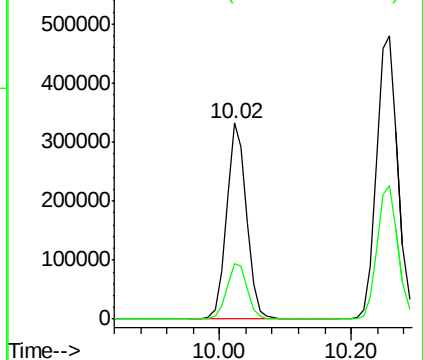
apatel

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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: 97.48 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059279.D

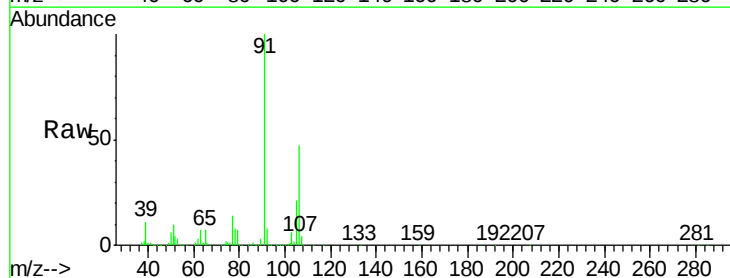
Acq: 22 Jun 2018 17:25

Tgt Ion: 106 Resp: 502036

Ion Ratio Lower Upper

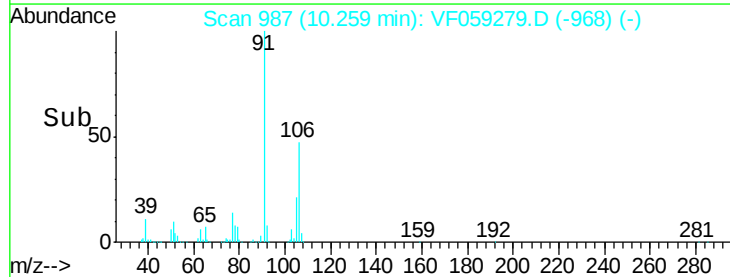
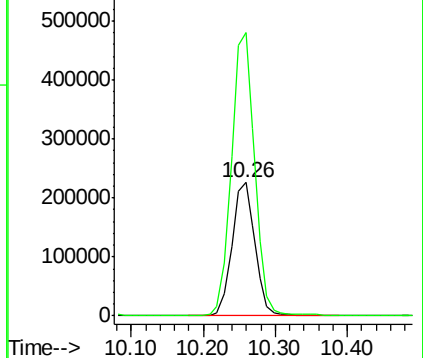
106 100

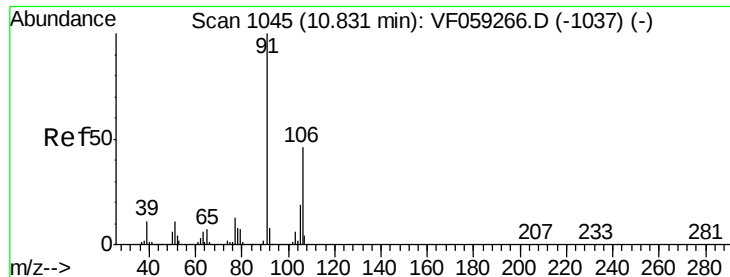
91 212.5 168.8 253.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





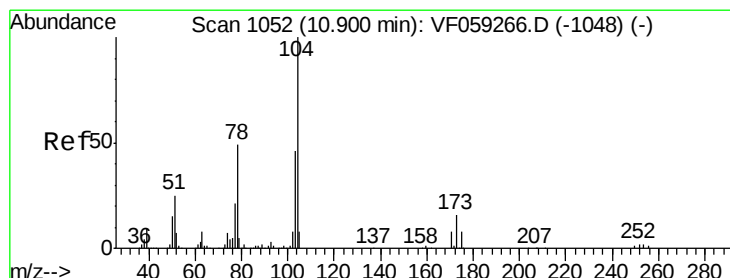
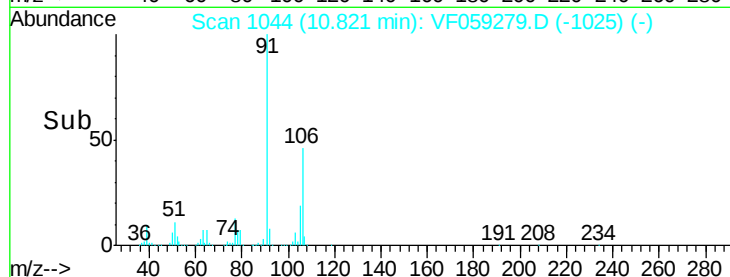
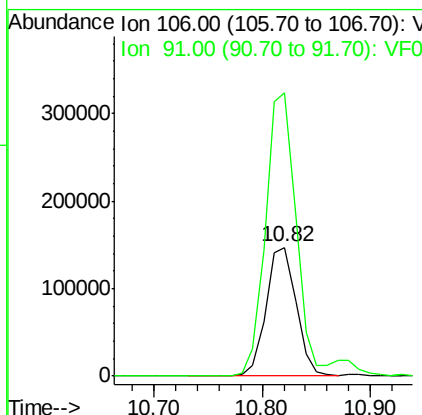
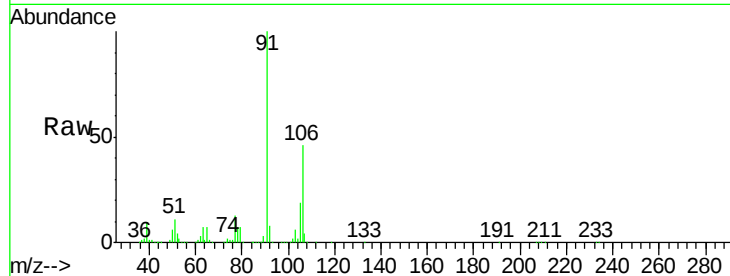
#69
o-Xylene
Concen: 50.18 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.5	109.1	327.4

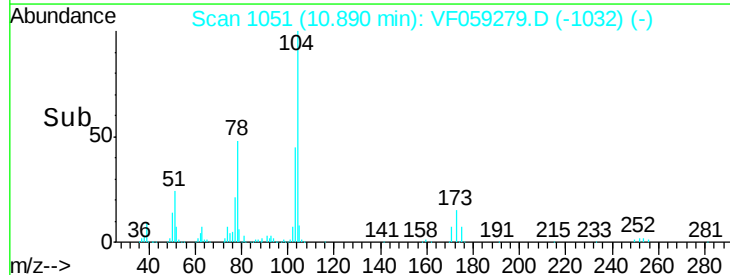
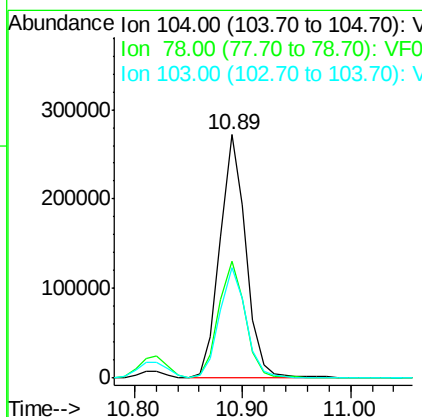
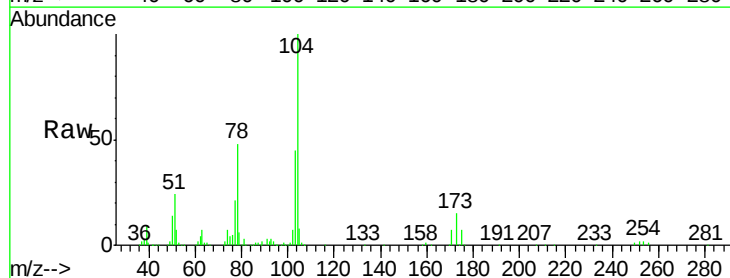
Manual Integrations
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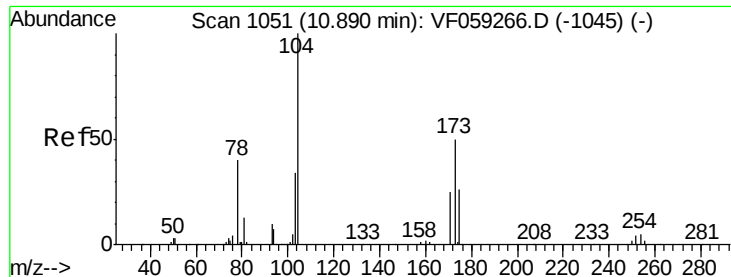
apatel
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#70
Styrene
Concen: 52.61 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	39.3	58.9
103	45.1	36.6	55.0





#71

Bromoform

Concen: 50.54 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

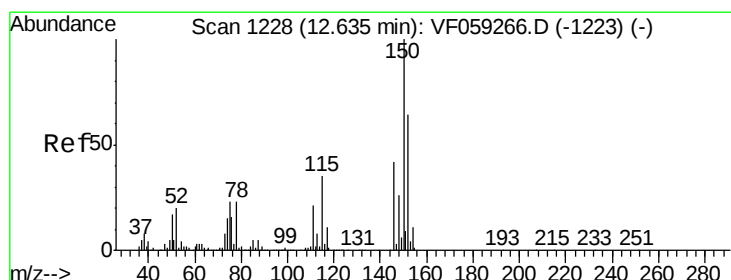
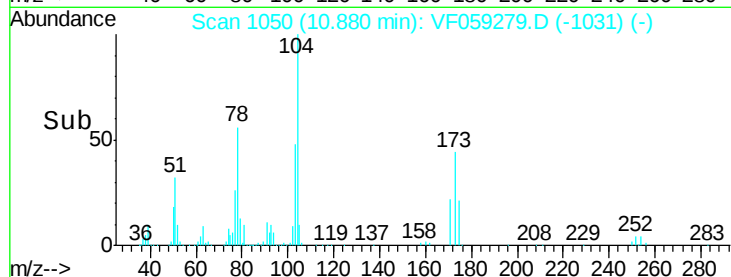
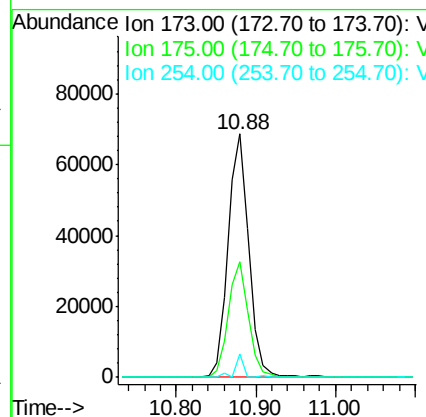
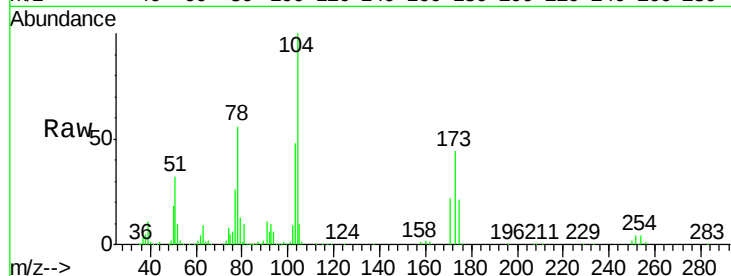
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	25.4	76.4
254	9.9	0.0	0.0#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

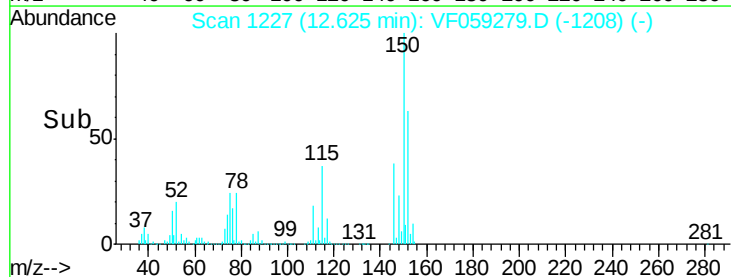
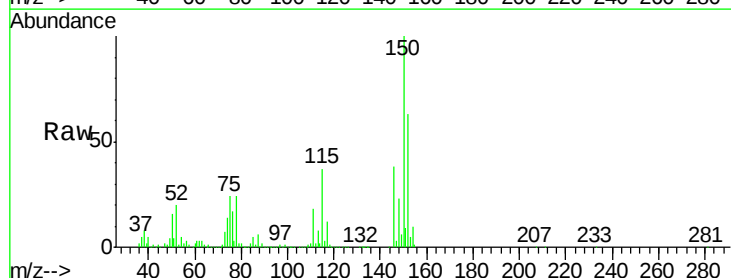
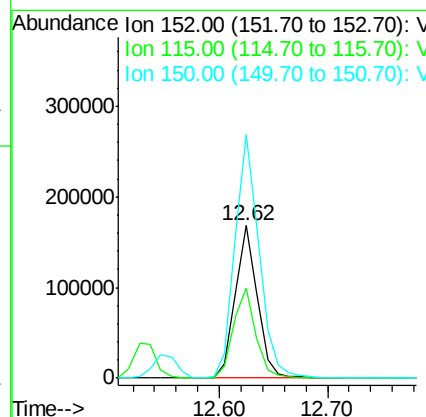
RT: 12.62 min Scan# 1227

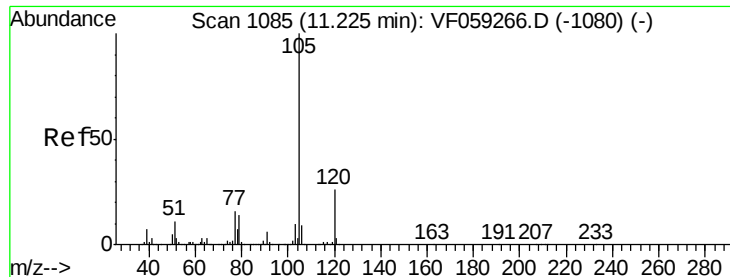
Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	27.8	83.3
150	159.6	0.0	313.8





#73

Isopropylbenzene

Concen: 50.42 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 840021

Ion Ratio Lower Upper

105 100

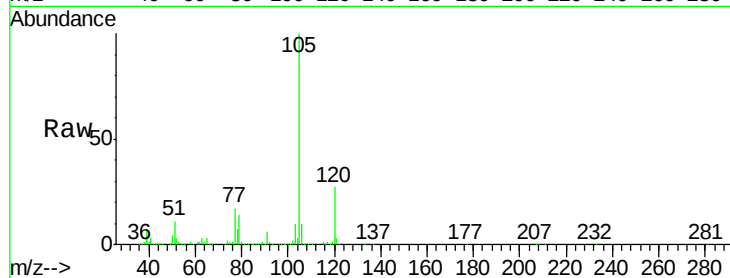
120 26.5 12.9 38.7

Manual Integrations

APPROVED

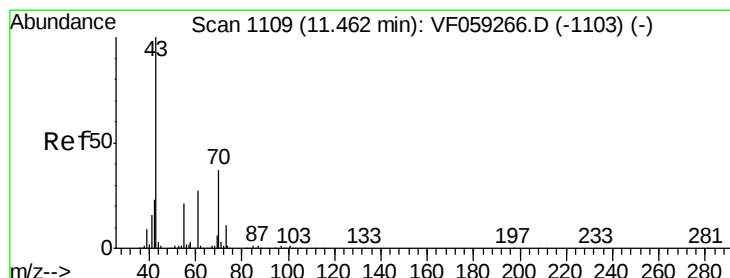
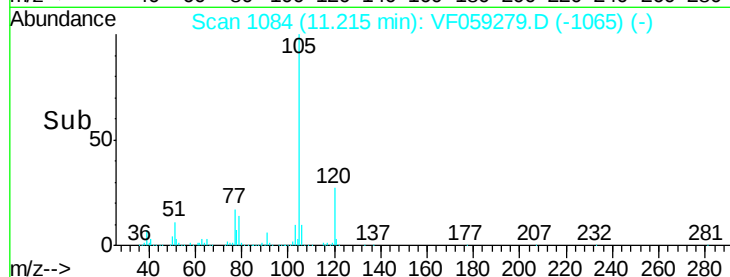
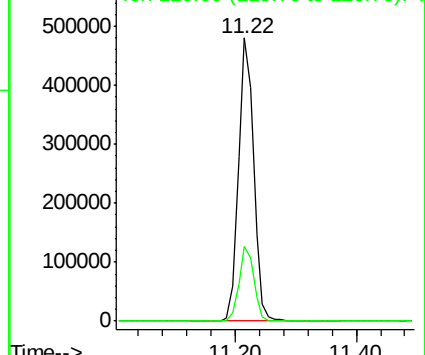
apatel

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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: 53.01 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Tgt Ion: 43 Resp: 288333

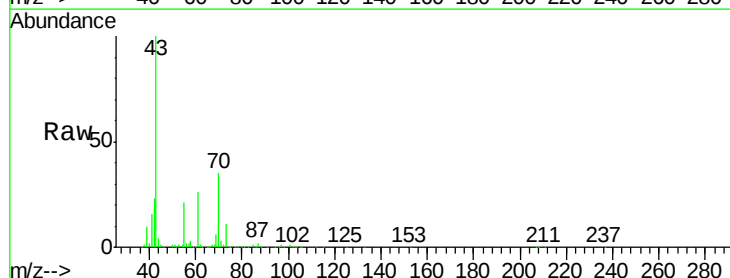
Ion Ratio Lower Upper

43 100

70 34.8 29.6 44.4

55 21.1 17.0 25.4

61 26.4 21.4 32.2

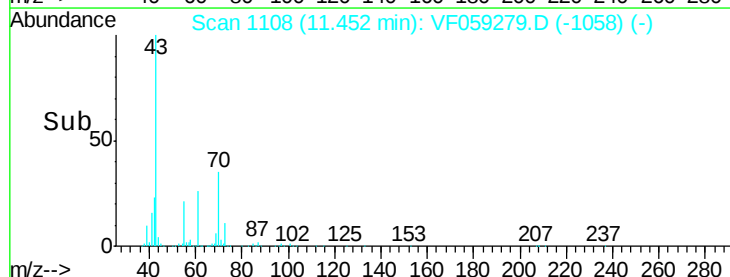
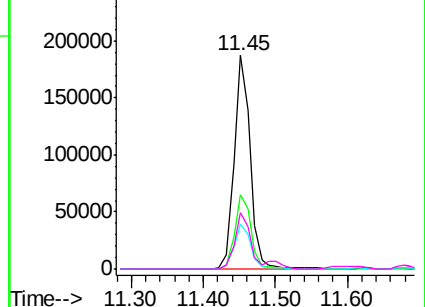


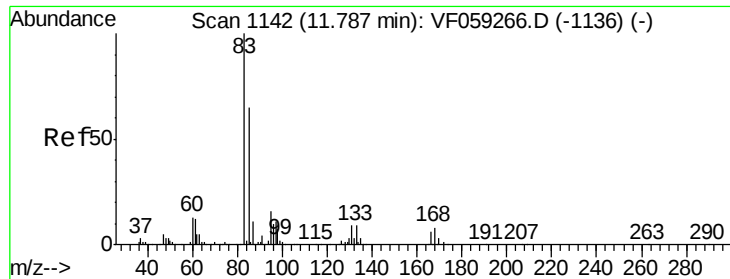
Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 48.73 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

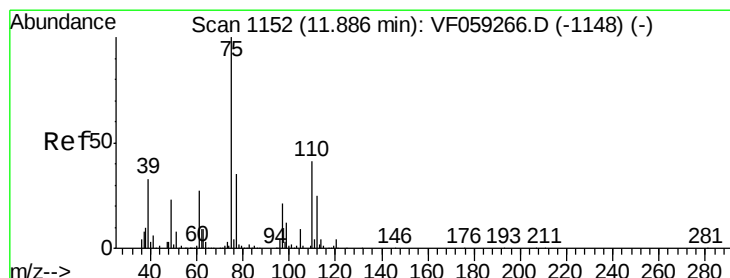
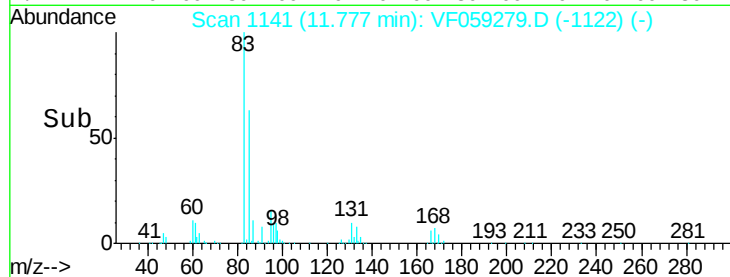
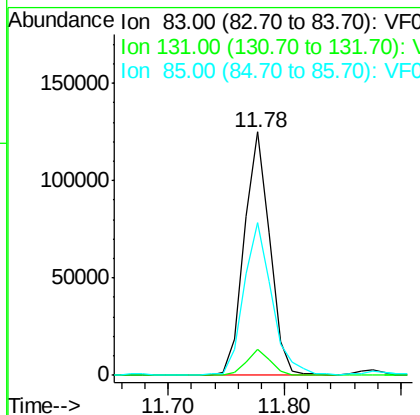
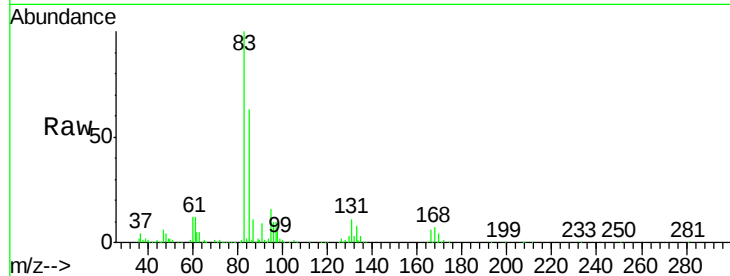
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	190477
Ion Ratio	Lower	Upper	
83	100		
131	10.5	4.8	14.3
85	62.8	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 50.54 ug/l

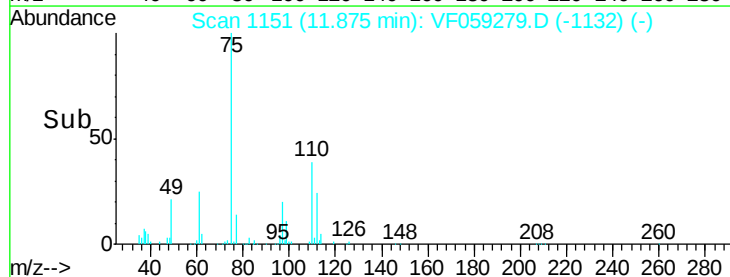
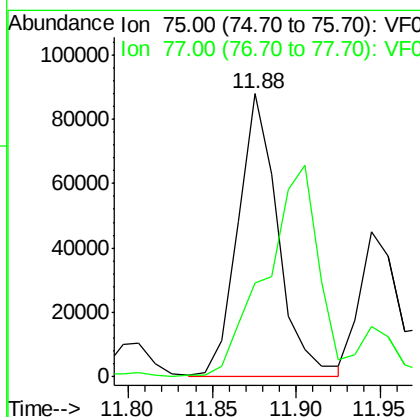
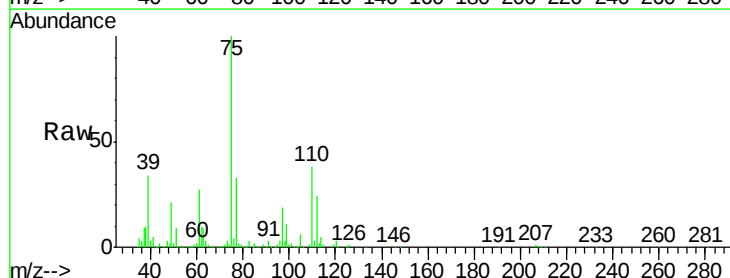
RT: 11.88 min Scan# 1151

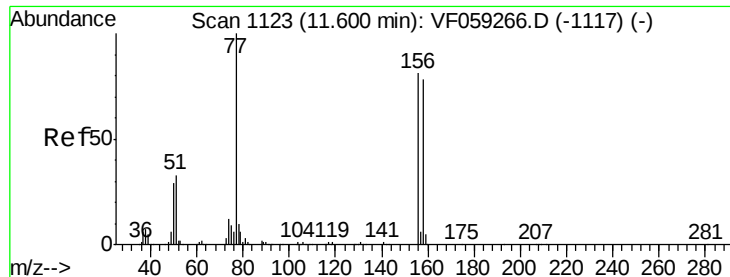
Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Tgt Ion:	75	Resp:	144640
Ion Ratio	Lower	Upper	
75	100		
77	33.2	17.4	52.2





#77

Bromobenzene

Concen: 48.71 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

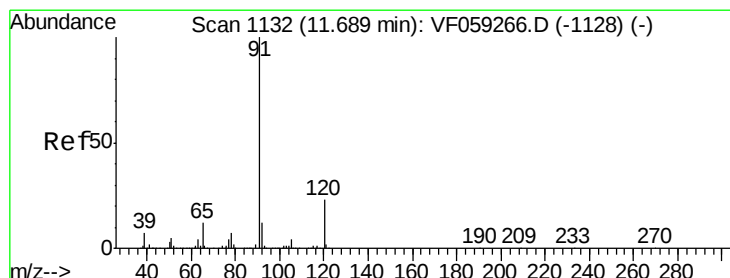
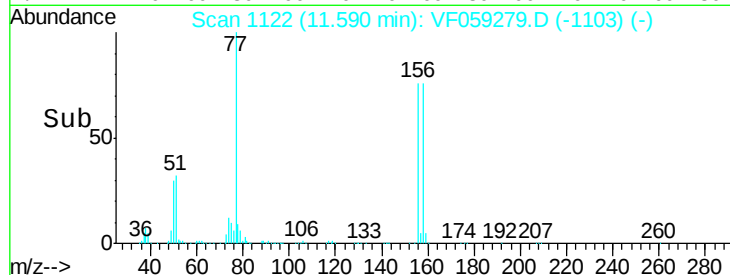
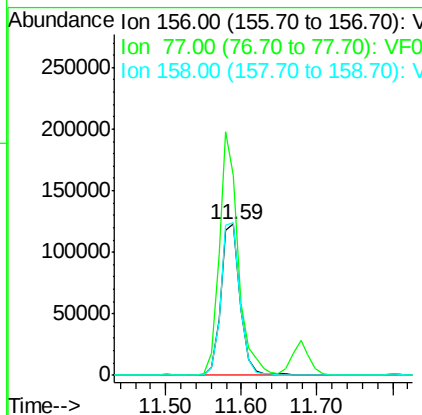
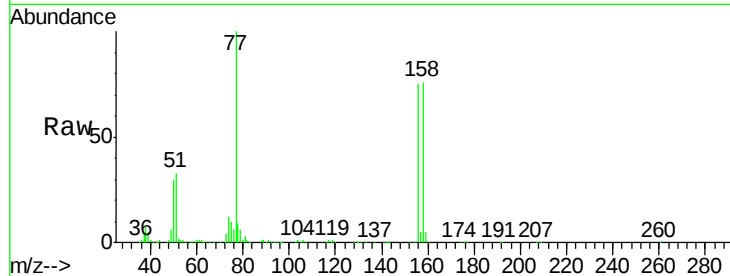
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	219218
Ion Ratio	Lower	Upper	
156	100		
77	132.6	61.7	185.0
158	100.7	48.2	144.6

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#78

n-propylbenzene

Concen: 50.31 ug/l

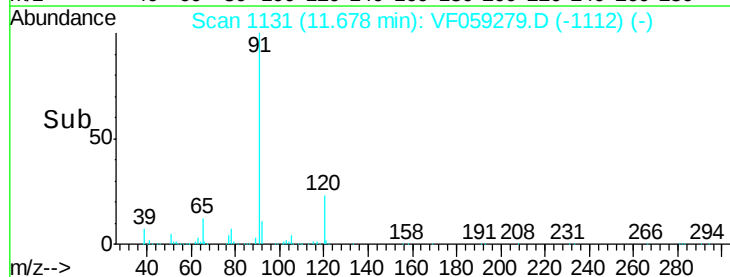
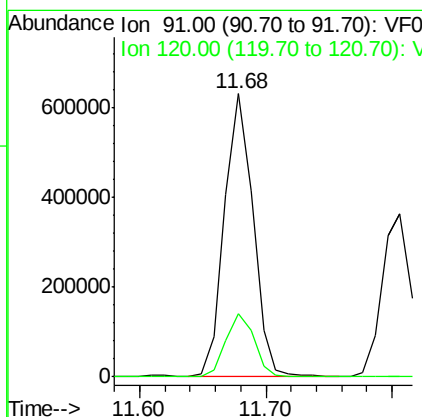
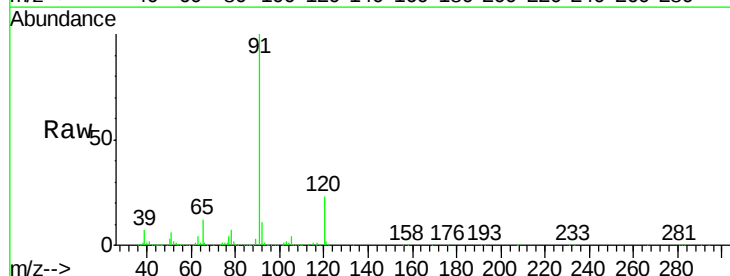
RT: 11.68 min Scan# 1131

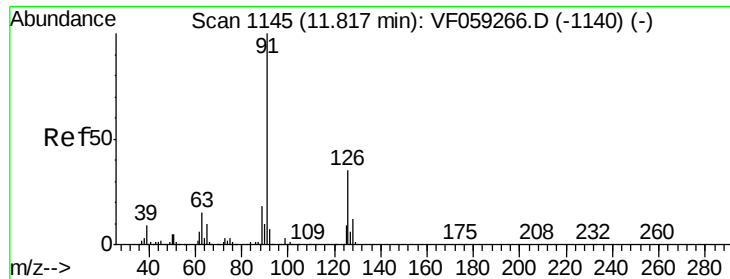
Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Tgt Ion:	91	Resp:	991597
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.5	34.5





#79

2-Chlorotoluene

Concen: 49.44 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 584272

Ion Ratio Lower Upper

91 100

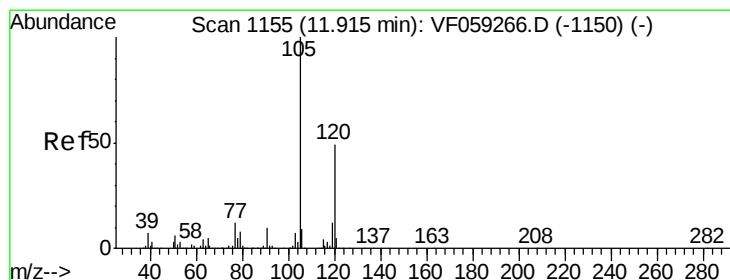
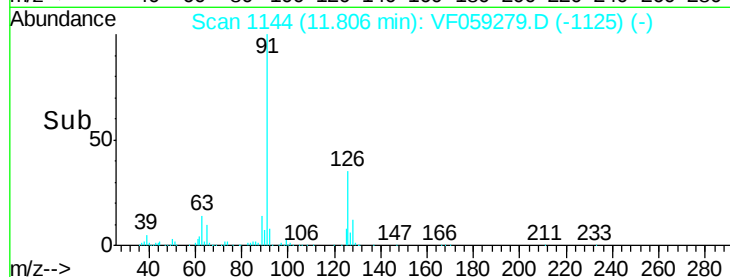
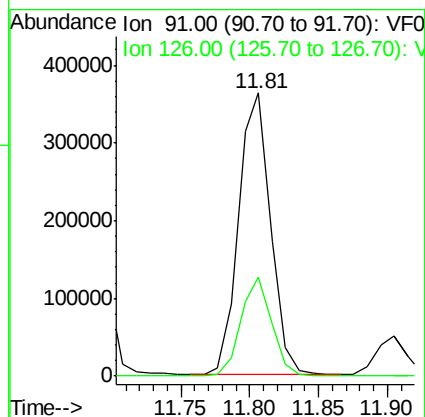
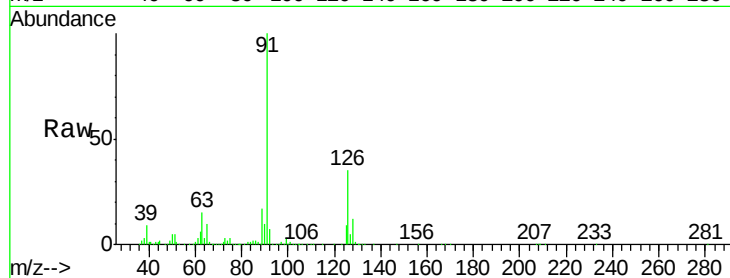
126 34.9 17.5 52.5

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#80

1,3,5-Trimethylbenzene

Concen: 50.70 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059279.D

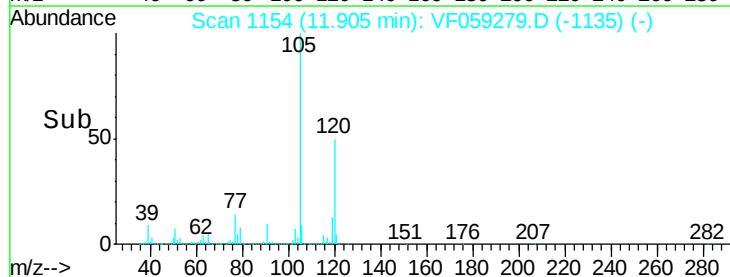
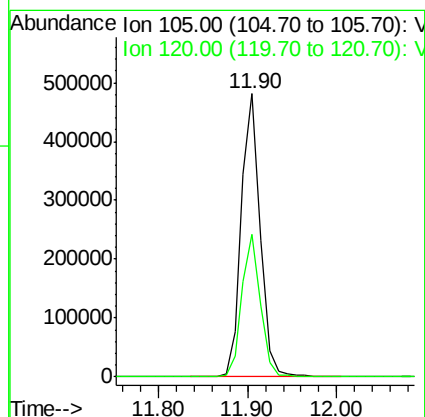
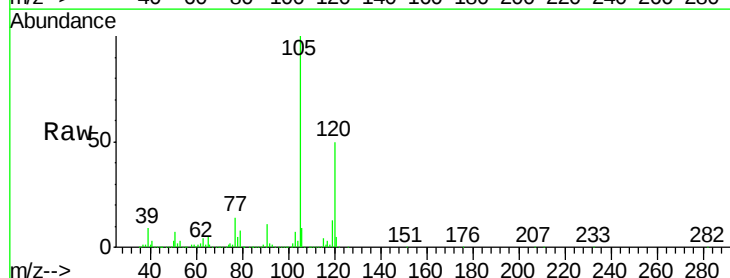
Acq: 22 Jun 2018 17:25

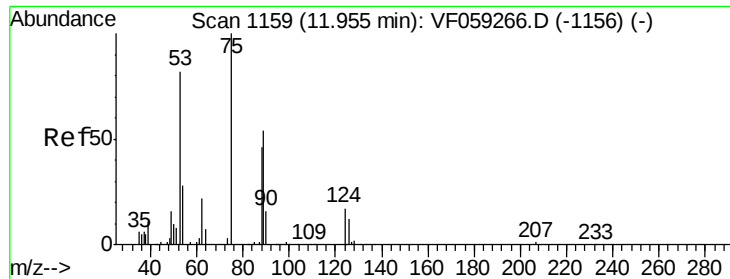
Tgt Ion:105 Resp: 714097

Ion Ratio Lower Upper

105 100

120 50.3 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.09 ug/l

RT: 11.94 min Scan# 1158

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

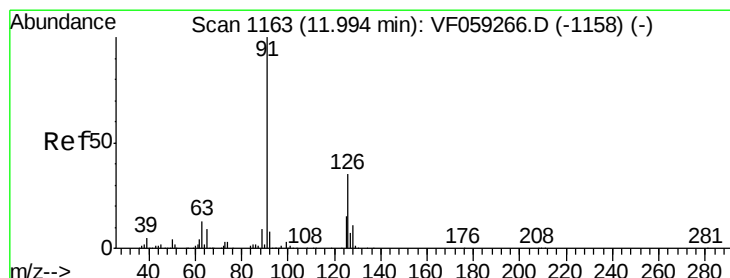
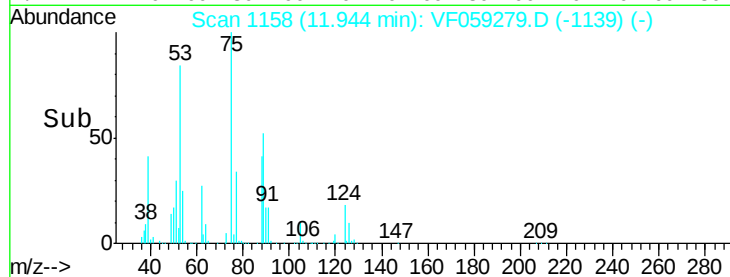
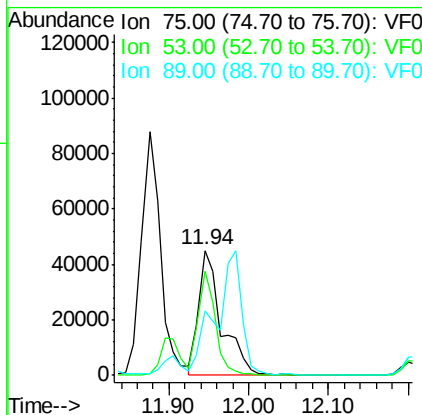
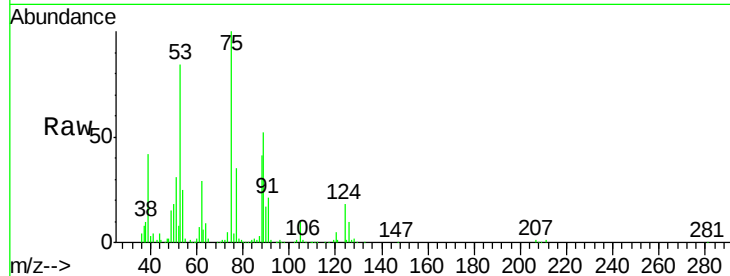
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	89967
Ion	Ratio	Lower	Upper
75	100		
53	83.7	70.2	105.2
89	51.5	45.3	67.9

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#82

4-Chlorotoluene

Concen: 49.90 ug/l

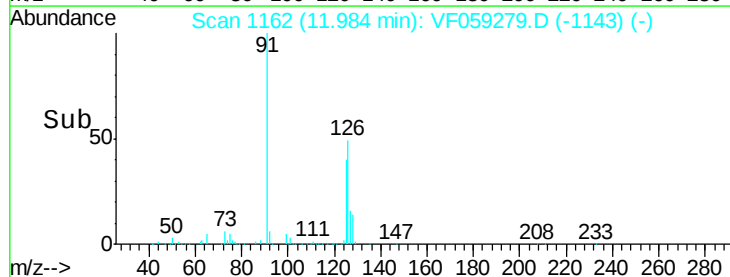
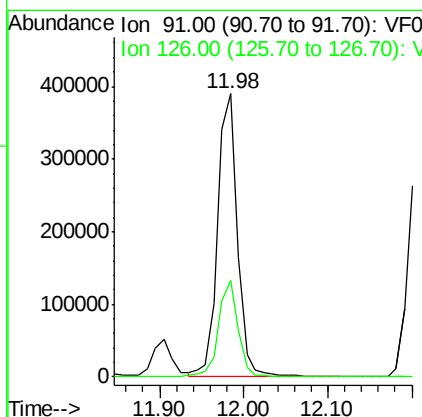
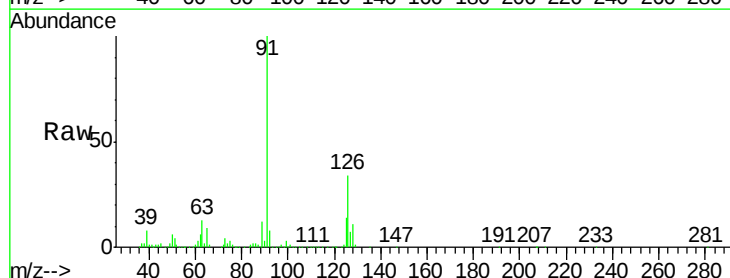
RT: 11.98 min Scan# 1162

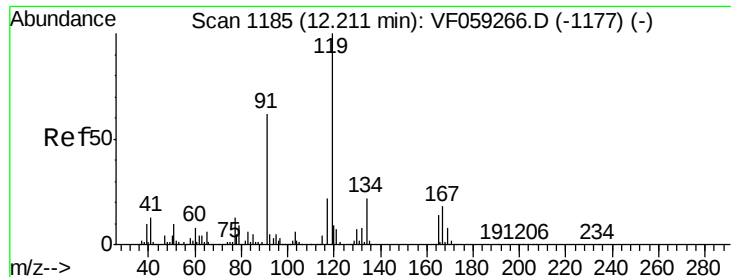
Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Tgt Ion:	91	Resp:	633432
Ion	Ratio	Lower	Upper
91	100		
126	33.9	17.6	52.8





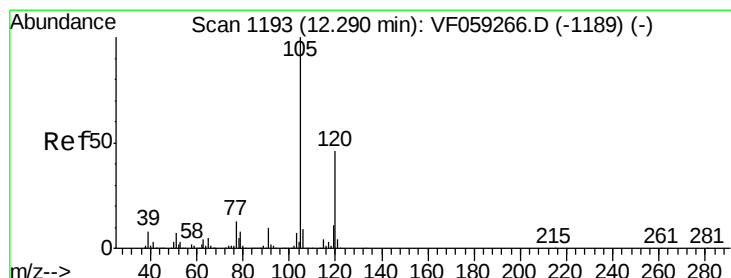
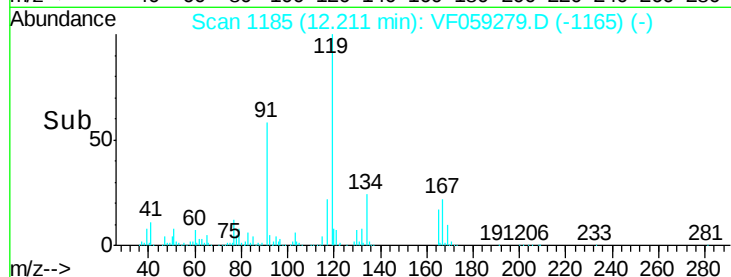
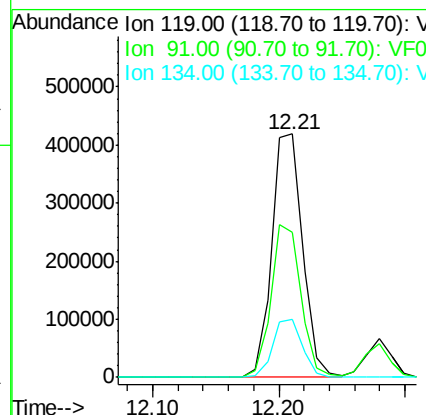
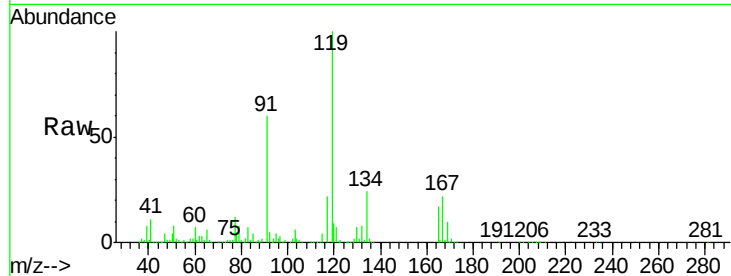
#83
 tert-Butylbenzene
 Concen: 50.06 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.8	31.3	93.8
134	23.8	11.3	33.8

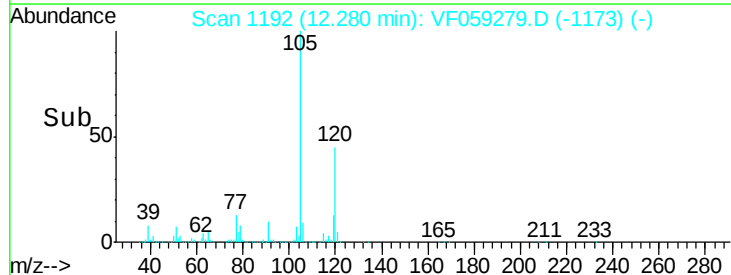
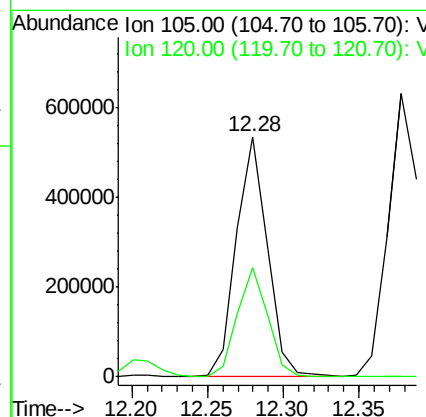
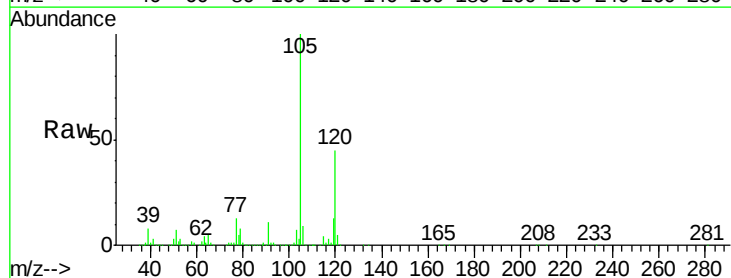
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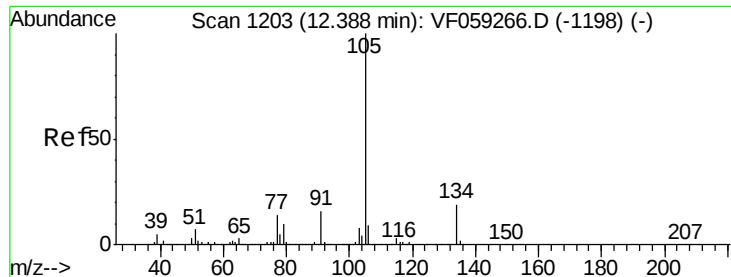
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.43 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.8	68.4





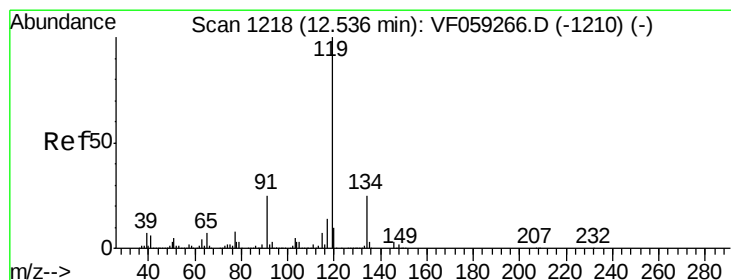
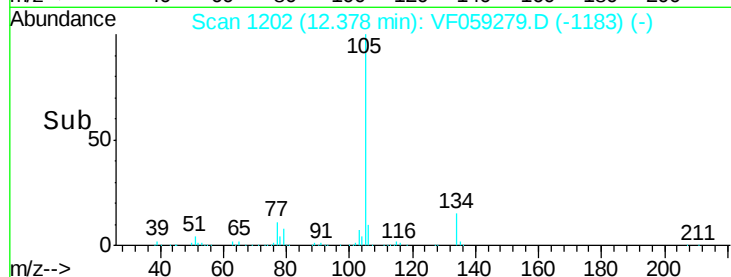
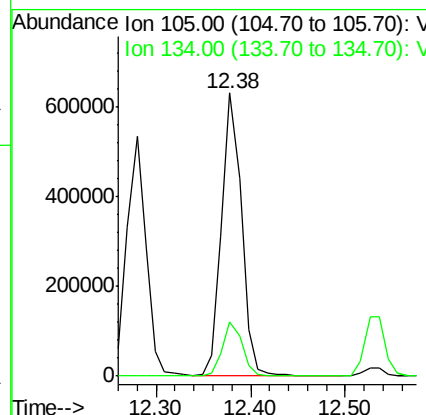
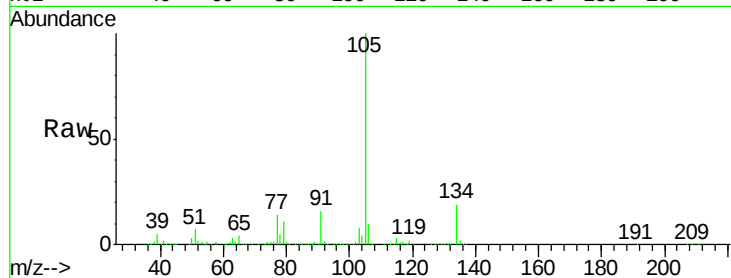
#85
 sec-Butylbenzene
 Concen: 48.58 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.5	28.5

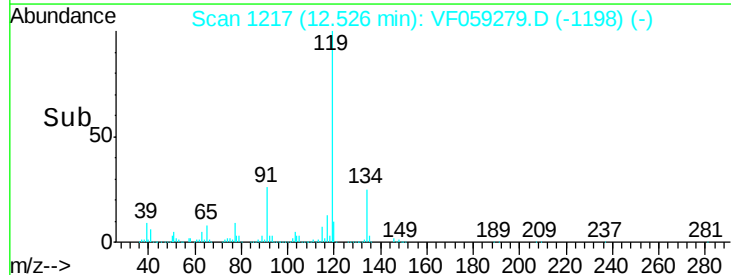
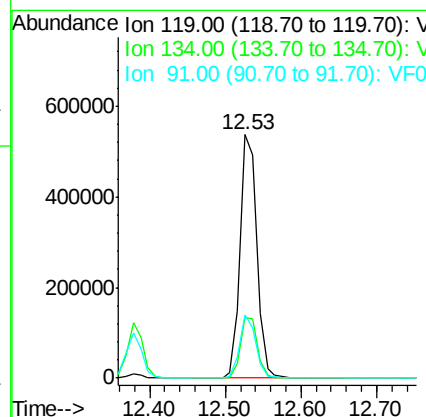
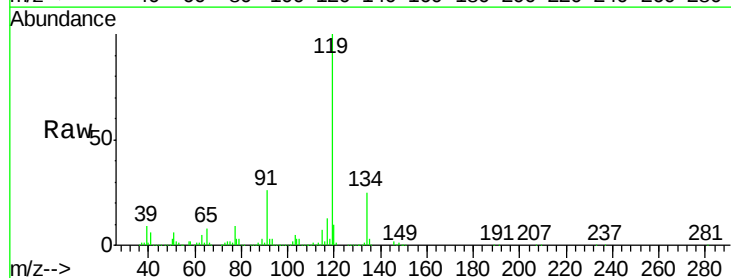
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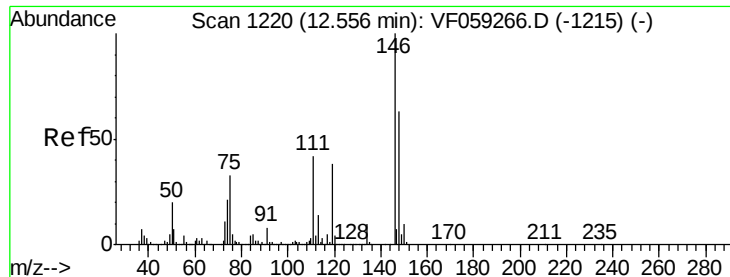
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#86
 p-Isopropyltoluene
 Concen: 51.49 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.7	12.6	37.8
91	26.0	12.6	37.8





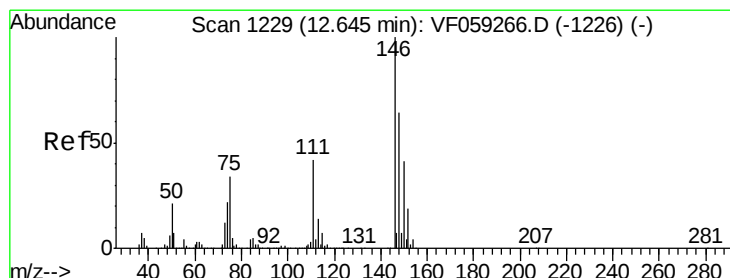
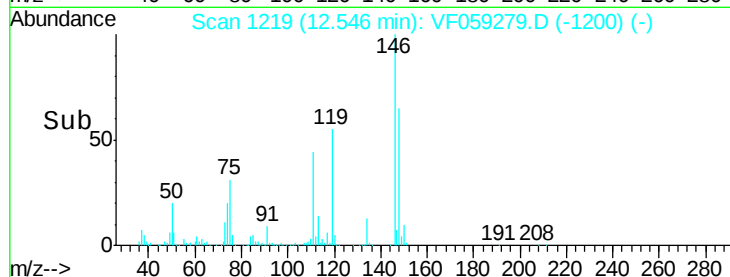
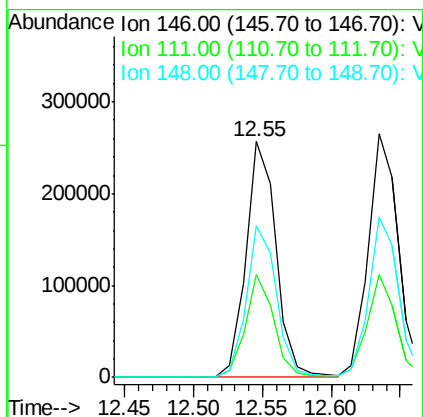
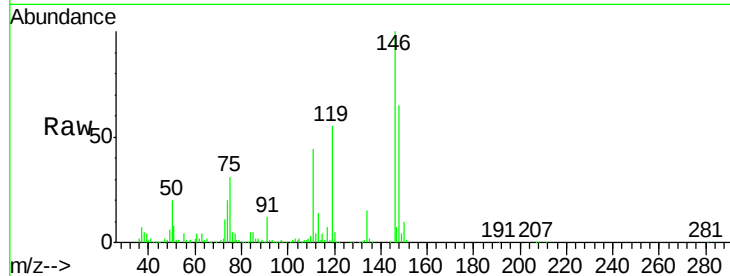
#87
 1,3-Dichlorobenzene
 Concen: 48.66 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.0	63.0
148	64.6	31.6	94.8

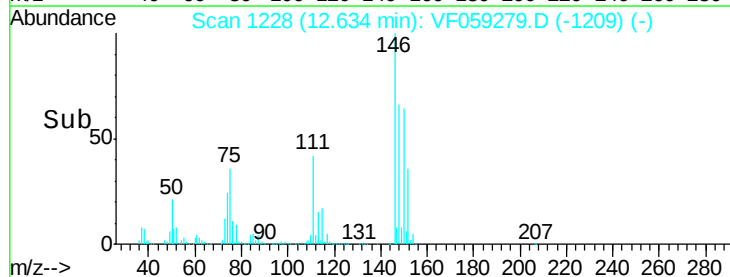
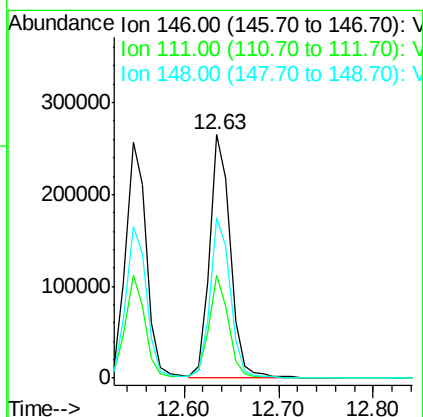
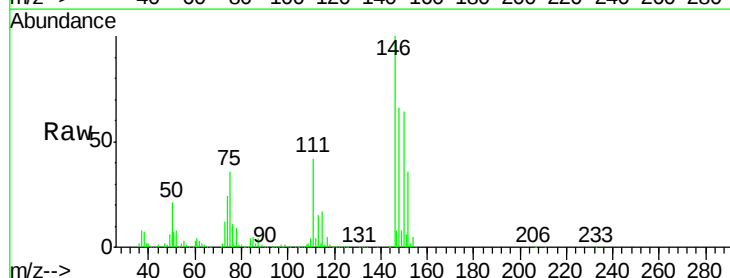
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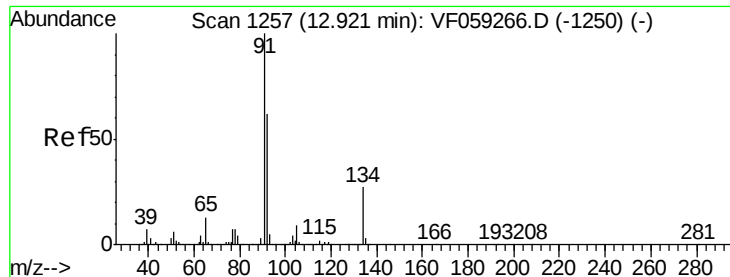
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#88
 1,4-Dichlorobenzene
 Concen: 51.08 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	21.3	63.9
148	65.8	32.0	96.2





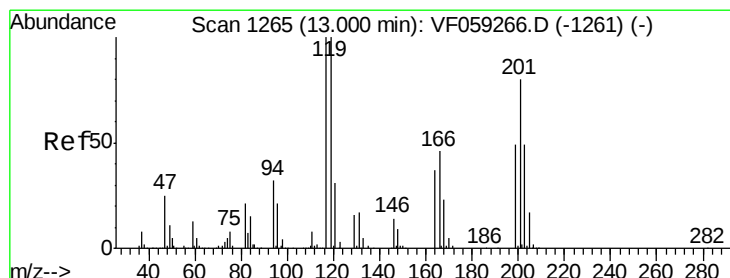
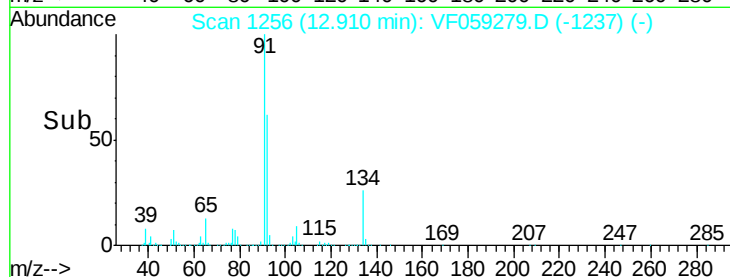
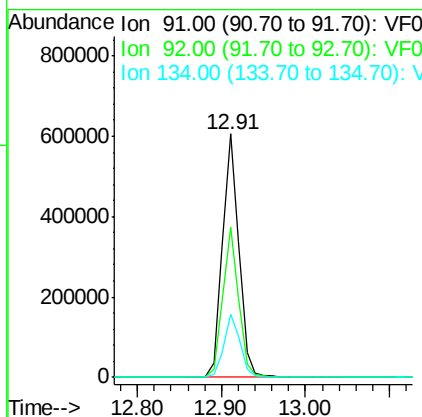
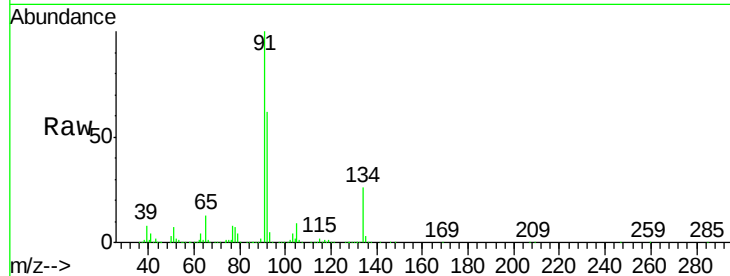
#89
n-Butylbenzene
Concen: 51.00 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.9	31.2	93.6
134	26.2	13.4	40.1

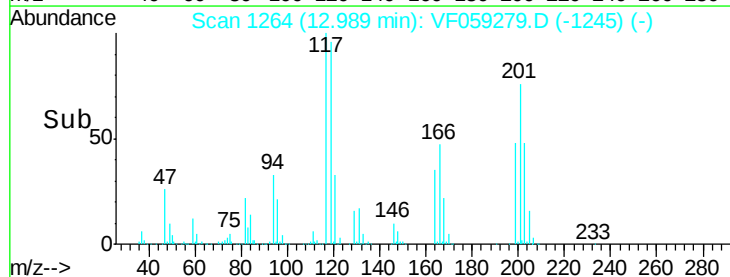
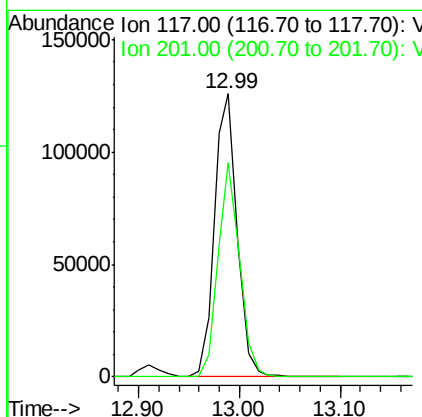
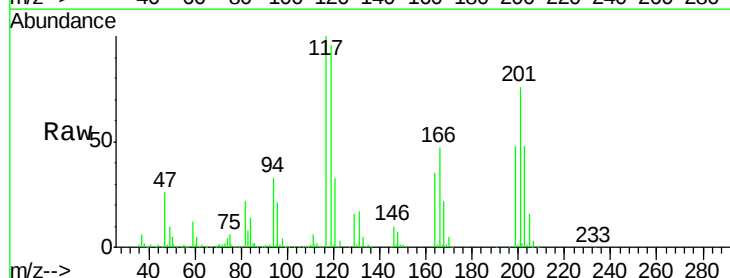
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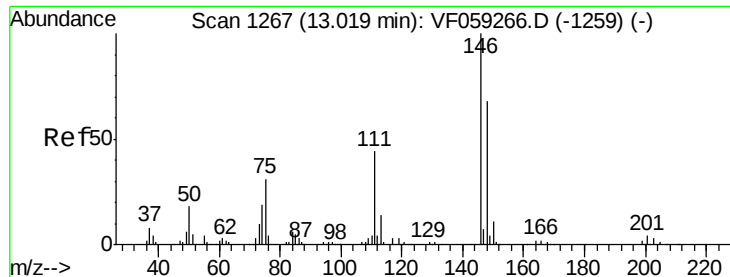
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#90
Hexachloroethane
Concen: 50.56 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.8	39.8	119.3





#91

1,2-Dichlorobenzene

Concen: 49.64 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Instrument :

MSVOA_F

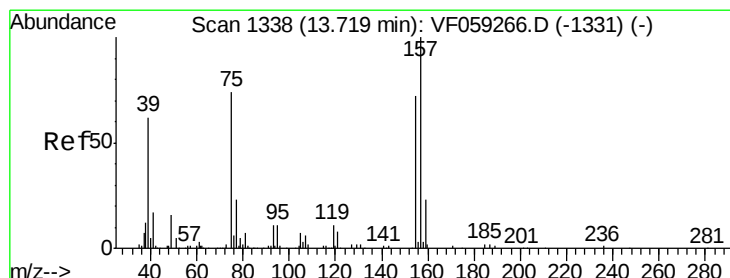
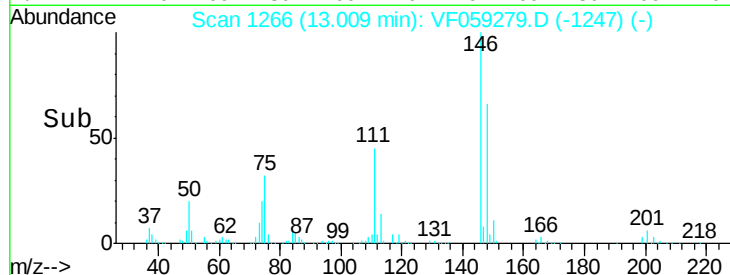
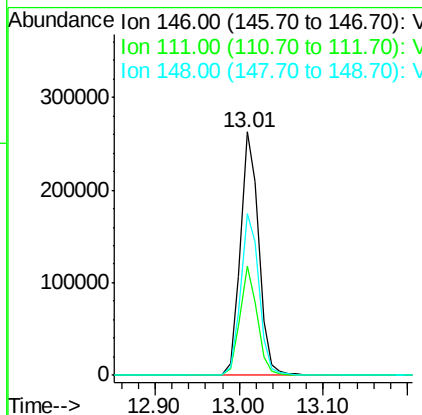
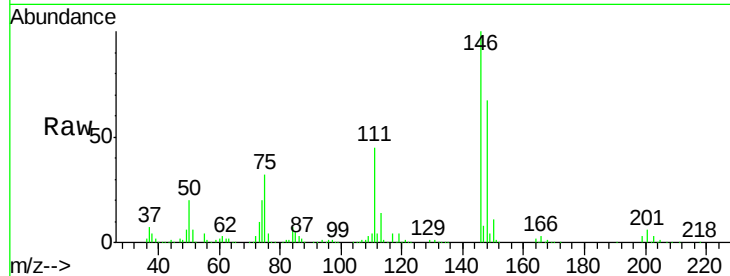
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	397313
Ion Ratio	Lower	Upper	
146	100		
111	45.0	22.1	66.3
148	66.5	34.0	102.0

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.41 ug/l

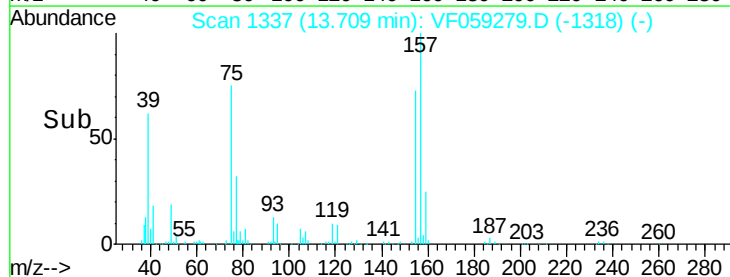
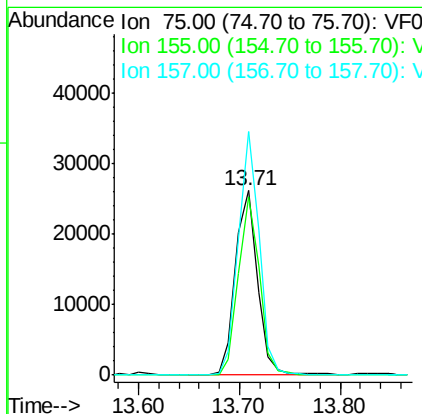
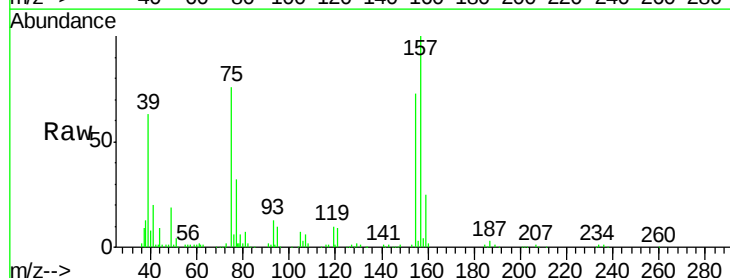
RT: 13.71 min Scan# 1337

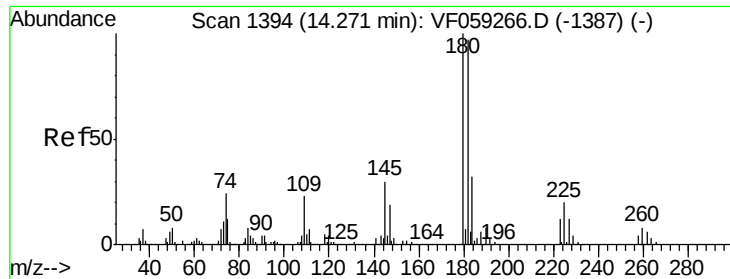
Delta R.T. -0.01 min

Lab File: VF059279.D

Acq: 22 Jun 2018 17:25

Tgt Ion:	75	Resp:	40016
Ion Ratio	Lower	Upper	
75	100		
155	96.6	48.3	144.9
157	132.2	67.2	201.6





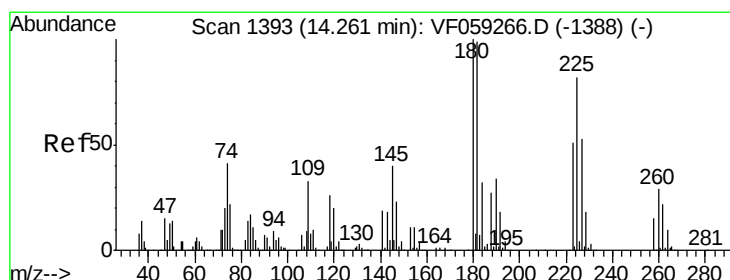
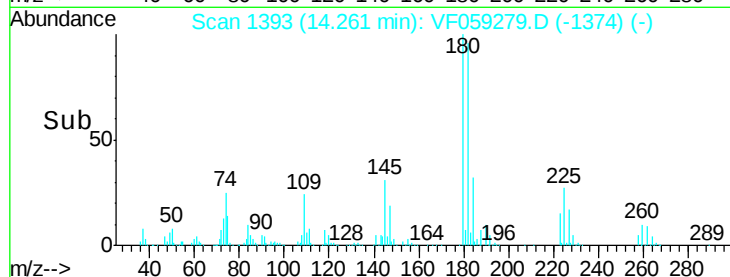
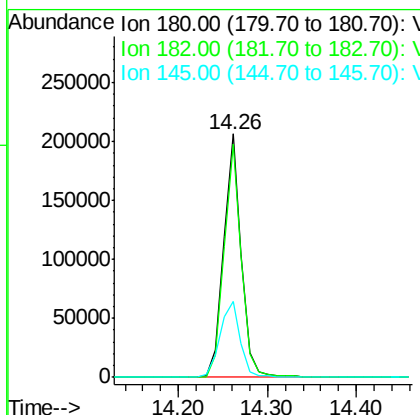
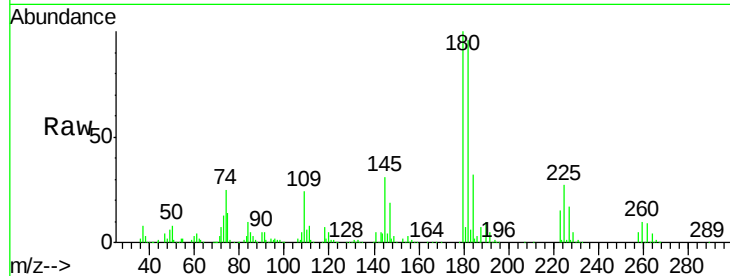
#93
 1,2,4-Trichlorobenzene
 Concen: 49.62 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	290069		
182	95.7	48.6	145.9	
145	31.3	15.0	45.1	

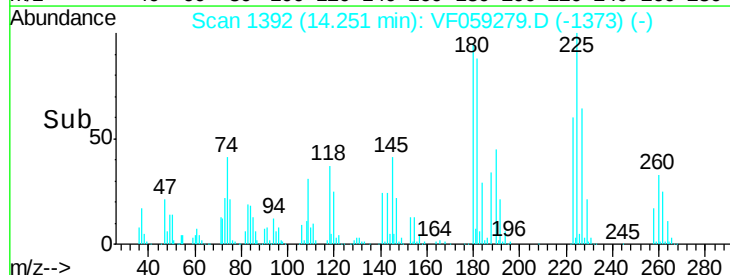
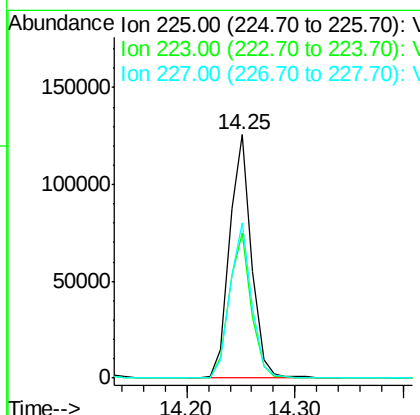
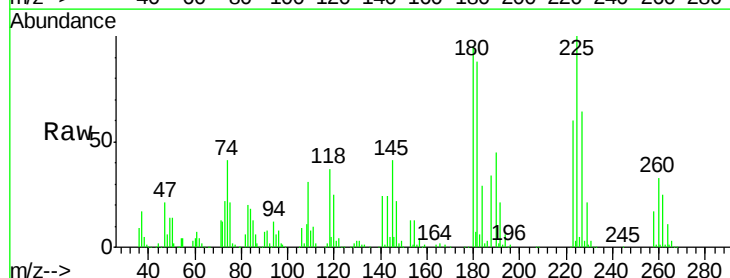
Manual Integrations
 APPROVED

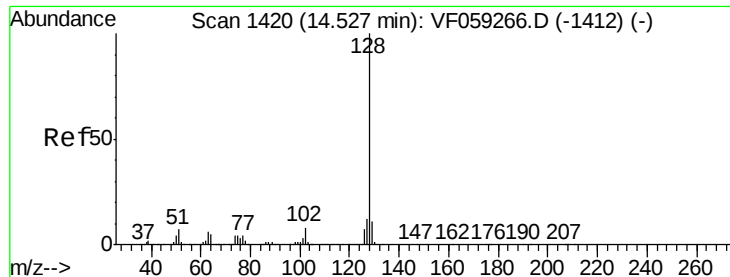
apatel
 6/24/2018 11:35:08 AM



#94
 Hexachlorobutadiene
 Concen: 50.86 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059279.D
 Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	176201		
223	59.8	30.7	92.1	
227	63.9	32.0	96.2	





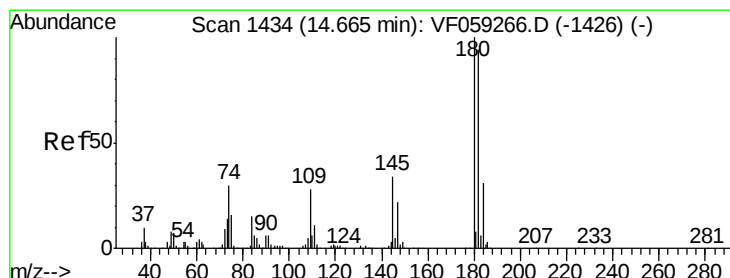
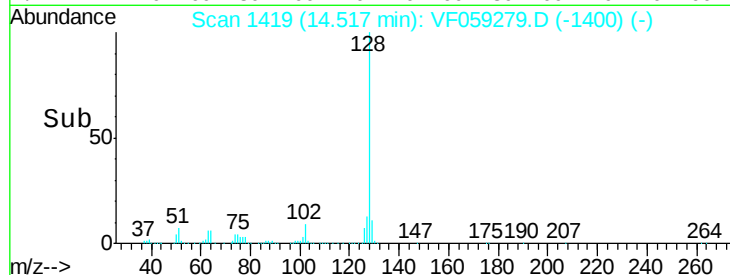
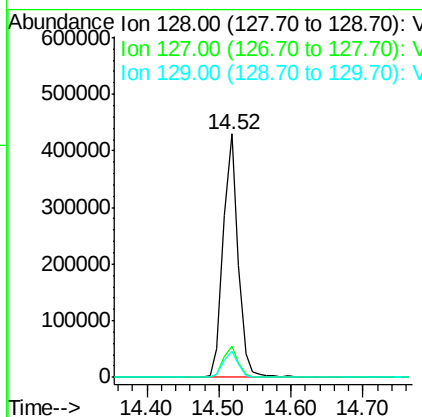
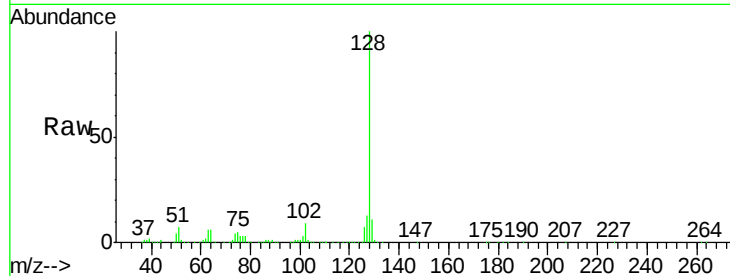
#95
Naphthalene
Concen: 51.20 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.01 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	614629		
127	13.0		9.6	14.4
129	10.8		9.0	13.4

Manual Integrations
APPROVED

apatel
6/24/2018 11:35:08 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.22 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VF059279.D
Acq: 22 Jun 2018 17:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	281760		
182	98.5		46.9	140.7
145	30.1		17.0	50.9

