

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
 Data File : VF059774.D
 Acq On : 2 Aug 2018 00:45
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 8/10/2018 3:50:55 PM

Quant Time: Aug 02 07:36:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	171675	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	244346	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	245495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	158366	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	160772	52.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.22%	
35) Dibromofluoromethane	4.29	113	128045	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	7.71	98	292077	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
62) 4-Bromofluorobenzene	11.51	95	162390	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	96625	50.05	ug/l	97
3) Chloromethane	1.08	50	47373	47.25	ug/l	91
4) Vinyl Chloride	1.15	62	46368	43.05	ug/l #	89
5) Bromomethane	1.33	94	44630	51.17	ug/l	100
6) Chloroethane	1.42	64	33705	52.25	ug/l	91
7) Trichlorofluoromethane	1.53	101	156769m	48.90	ug/l	
8) Diethyl Ether	1.70	74	23236	42.39	ug/l	68
9) 1,1,2-Trichlorotrifluoroet	1.90	101	80259	47.80	ug/l #	84
10) Methyl Iodide	1.96	142	120302	50.93	ug/l	94
11) Tert butyl alcohol	2.69	59	32932	264.81	ug/l #	89
12) 1,1-Dichloroethene	1.85	96	61721	46.43	ug/l	97
13) Acrolein	2.08	56	20689	313.17	ug/l #	78
14) Allyl chloride	2.18	41	97830	46.09	ug/l	96
15) Acrylonitrile	3.08	53	55802	279.91	ug/l	93
16) Acetone	2.34	43	112344m	202.43	ug/l	
17) Carbon Disulfide	1.89	76	125731m	45.77	ug/l	
18) Methyl Acetate	2.45	43	47255	55.39	ug/l	96
19) Methyl tert-butyl Ether	2.54	73	192896	47.58	ug/l	97
20) Methylene Chloride	2.27	84	59455m	48.99	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	60274	51.88	ug/l	97
22) Diisopropyl ether	2.93	45	214951	47.89	ug/l	96
23) Vinyl Acetate	3.34	43	612124	265.24	ug/l	97
24) 1,1-Dichloroethane	3.00	63	149607	47.97	ug/l	98
25) 2-Butanone	4.51	43	135874	219.39	ug/l #	77
26) 2,2-Dichloropropane	3.76	77	101073	45.46	ug/l	92
27) cis-1,2-Dichloroethene	3.63	96	76246	45.66	ug/l	90
28) Bromochloromethane	3.89	49	53597	49.28	ug/l #	76
29) Tetrahydrofuran	4.25	42	57865	243.09	ug/l	96
30) Chloroform	4.04	83	207582	47.16	ug/l	87
31) Cyclohexane	3.86	56	71701	47.21	ug/l #	94
32) 1,1,1-Trichloroethane	4.27	97	171822	50.33	ug/l	99
36) 1,1-Dichloropropene	4.45	75	121176	48.90	ug/l	99
37) Ethyl Acetate	4.29	43	66833	55.30	ug/l #	80
38) Carbon Tetrachloride	4.16	117	188533m	48.53	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	5.62	83	89270	47.08	ug/l #	83
40) Benzene	4.80	78	224822	45.56	ug/l	98
41) Methacrylonitrile	4.92	41	33560	54.83	ug/l	95
42) 1,2-Dichloroethane	5.11	62	175207	50.73	ug/l	98
43) Isopropyl Acetate	7.11	43	70464	48.23	ug/l	95
44) Trichloroethene	5.67	130	84516	51.19	ug/l	88
45) 1,2-Dichloropropane	6.40	63	62143	47.69	ug/l #	88
46) Dibromomethane	6.25	93	60420	48.84	ug/l	93
47) Bromodichloromethane	6.55	83	170519	50.61	ug/l	99
48) Methyl methacrylate	6.87	41	51791	47.13	ug/l	93
49) 1,4-Dioxane	6.87	88	6577	933.45	ug/l	88
51) 4-Methyl-2-Pentanone	8.40	43	285220	256.62	ug/l	99
52) Toluene	7.78	92	169916	51.82	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	138169	47.26	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	134956	47.66	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	66291	49.60	ug/l	97
56) Ethyl methacrylate	8.77	69	72571	52.07	ug/l	94
57) 1,3-Dichloropropane	9.00	76	109668	47.83	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.77	63	39529	245.65	ug/l	100
59) 2-Hexanone	9.63	43	205990	231.28	ug/l	98
60) Dibromochloromethane	8.87	129	122058	51.76	ug/l	95
61) 1,2-Dibromoethane	9.14	107	80468	51.56	ug/l	98
64) Tetrachloroethene	8.30	164	88252	53.57	ug/l	97
65) Chlorobenzene	9.94	112	224281	45.67	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	114338	49.87	ug/l	99
67) Ethyl Benzene	10.04	91	418417	49.24	ug/l	99
68) m/p-Xylenes	10.27	106	280542	106.25	ug/l	93
69) o-Xylene	10.83	106	154513	49.35	ug/l	100
70) Styrene	10.91	104	221150	46.63	ug/l	97
71) Bromoform	10.89	173	76385	51.13	ug/l	95
73) Isopropylbenzene	11.23	105	513173	49.39	ug/l	99
74) N-amyl acetate	11.47	43	123399	47.07	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	105848	54.11	ug/l	94
76) 1,2,3-Trichloropropane	11.88	75	85891	51.64	ug/l	96
77) Bromobenzene	11.60	156	133284	49.12	ug/l	93
78) n-propylbenzene	11.68	91	568555	53.76	ug/l	99
79) 2-Chlorotoluene	11.81	91	365981	55.04	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	445285	54.32	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	35217m	51.13	ug/l	
82) 4-Chlorotoluene	11.99	91	385424	54.16	ug/l	98
83) tert-Butylbenzene	12.22	119	460714	49.39	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	462842	55.87	ug/l	99
85) sec-Butylbenzene	12.38	105	592181	56.49	ug/l	96
86) p-Isopropyltoluene	12.54	119	505190	55.18	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	237876	53.97	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	237068	53.08	ug/l	100
89) n-Butylbenzene	12.92	91	489898	56.53	ug/l	96
90) Hexachloroethane	13.00	117	131373	50.13	ug/l	88
91) 1,2-Dichlorobenzene	13.02	146	236397	54.97	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.72	75	26941	56.34	ug/l	82

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ClientSampleId :
VSTDCCC050

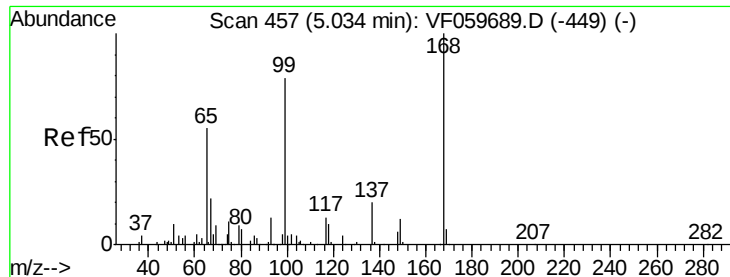
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	180502	52.57	ug/l	95
94) Hexachlorobutadiene	14.26	225	126922	48.86	ug/l	96
95) Naphthalene	14.52	128	383012	56.10	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	189534	50.22	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 171675

Ion Ratio Lower Upper

168 100

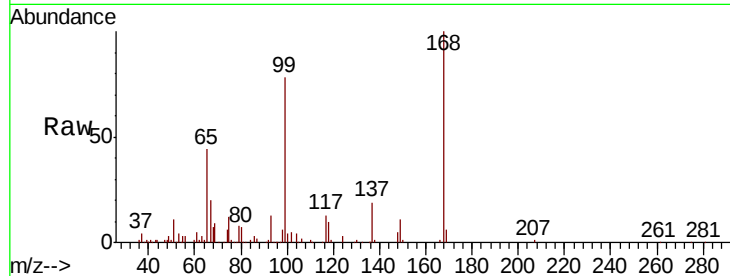
99 78.4 63.3 94.9

Manual Integrations

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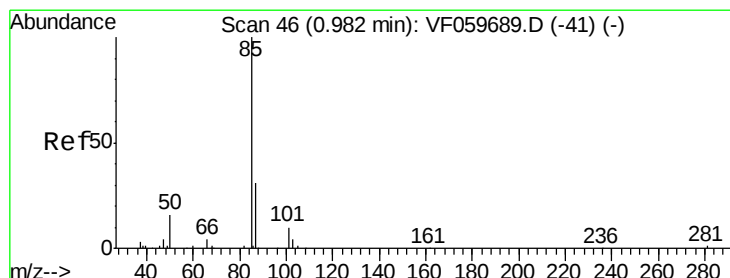
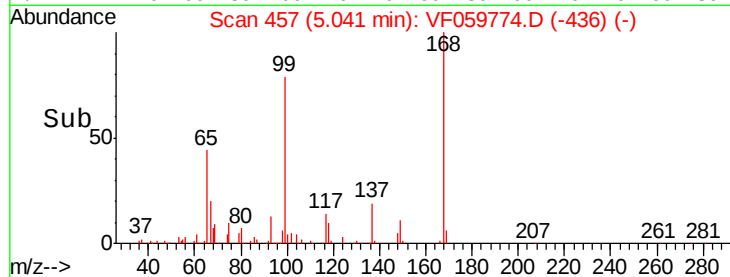
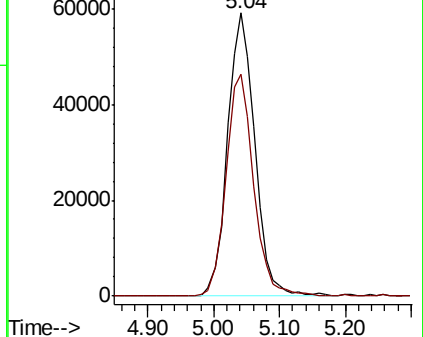
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 50.05 ug/l

RT: 0.98 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF059774.D

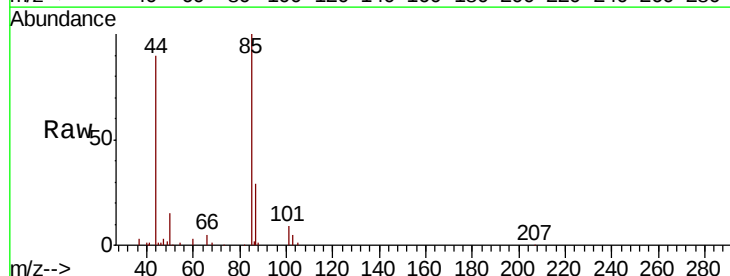
Acq: 2 Aug 2018 00:45

Tgt Ion: 85 Resp: 96625

Ion Ratio Lower Upper

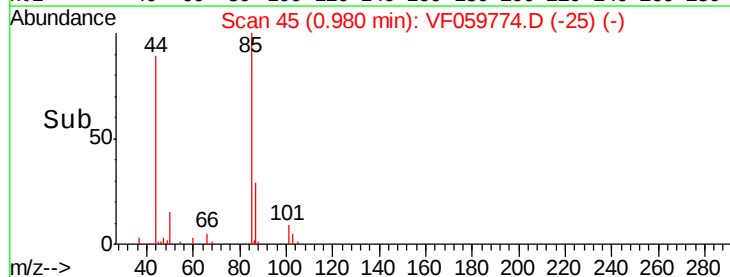
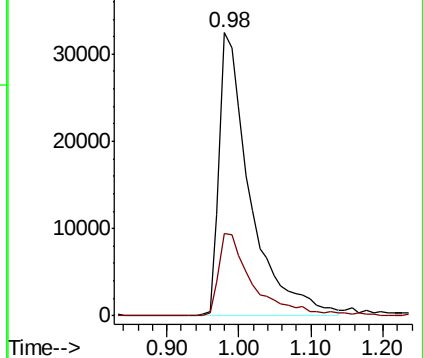
85 100

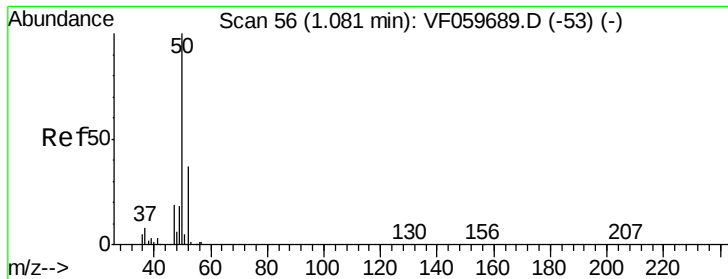
87 28.9 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 47.25 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 47373

Ion Ratio Lower Upper

50 100

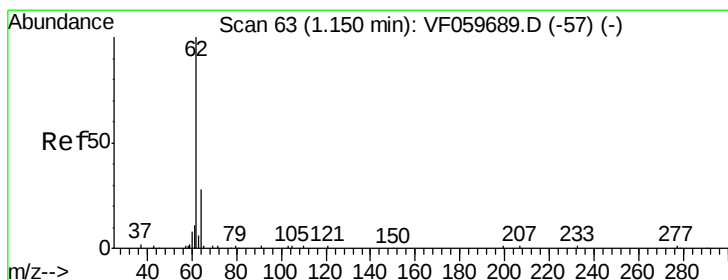
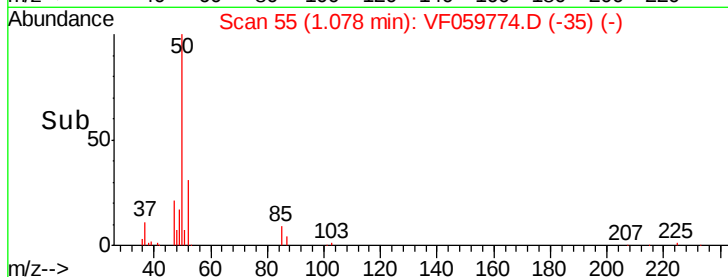
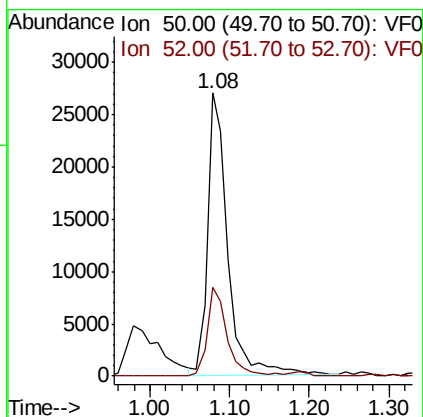
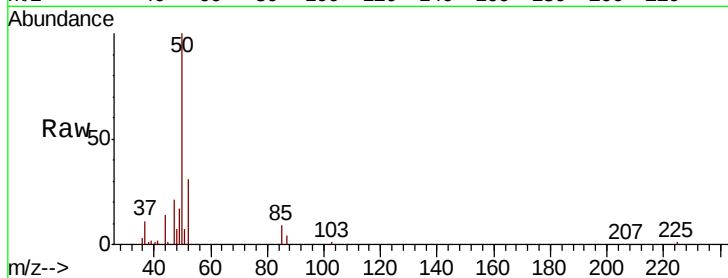
52 31.3 29.1 43.7

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#4

Vinyl Chloride

Concen: 43.05 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF059774.D

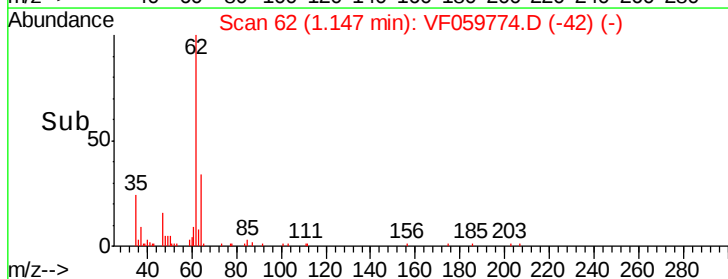
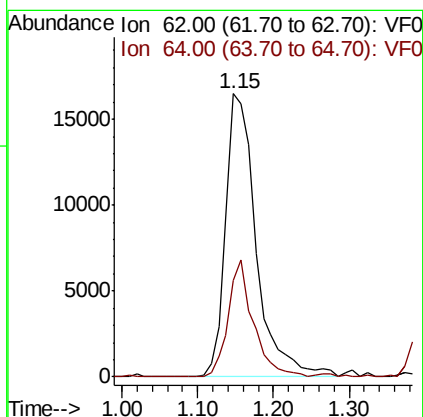
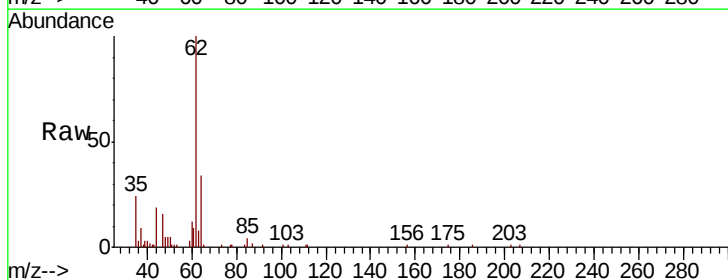
Acq: 2 Aug 2018 00:45

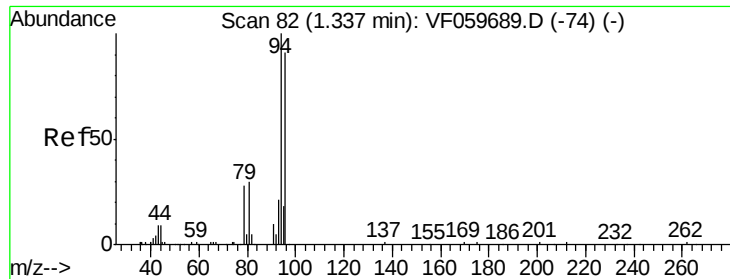
Tgt Ion: 62 Resp: 46368

Ion Ratio Lower Upper

62 100

64 34.2 22.6 33.8#





#5

Bromomethane

Concen: 51.17 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 44630

Ion Ratio Lower Upper

94 100

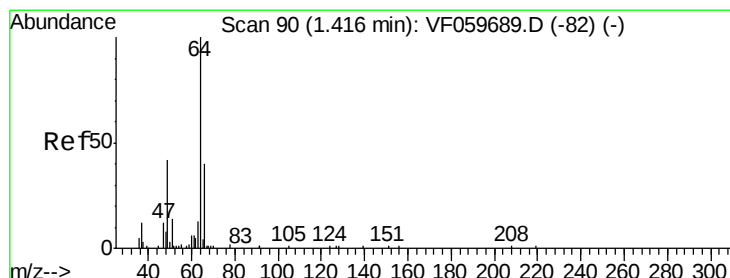
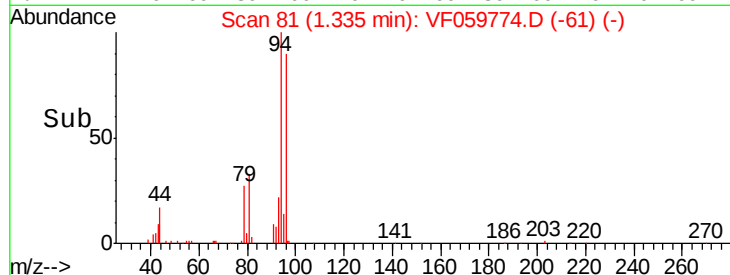
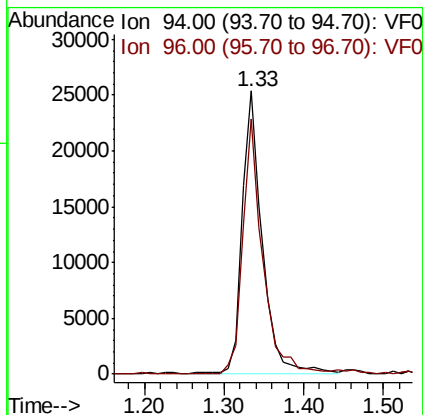
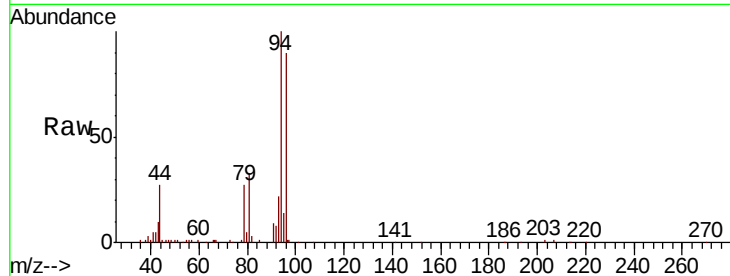
96 91.5 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 52.25 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.01 min

Lab File: VF059774.D

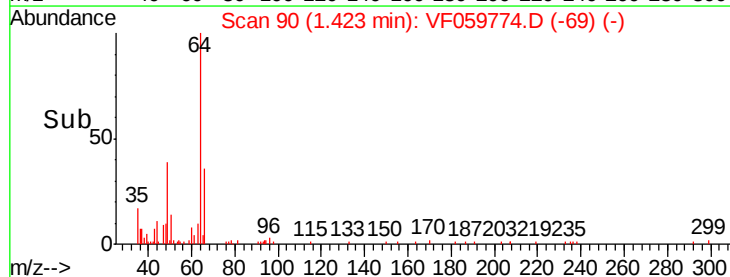
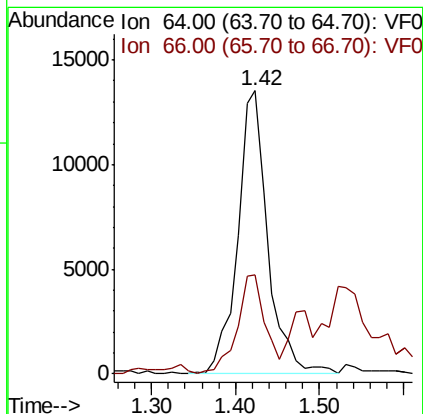
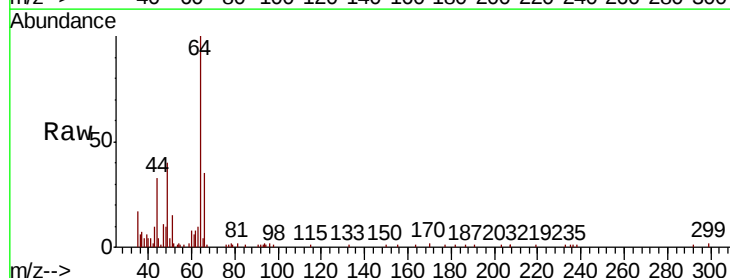
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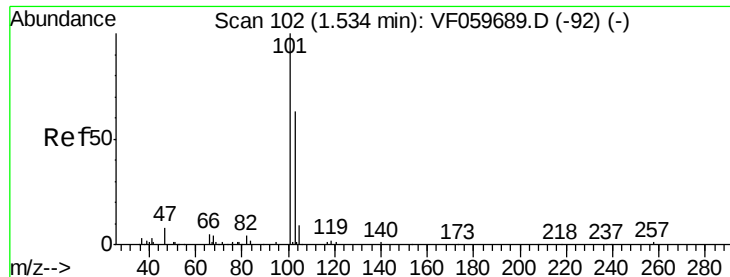
Tgt Ion: 64 Resp: 33705

Ion Ratio Lower Upper

64 100

66 35.0 32.6 49.0





#7

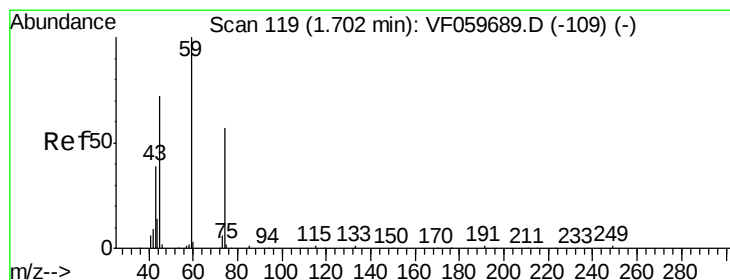
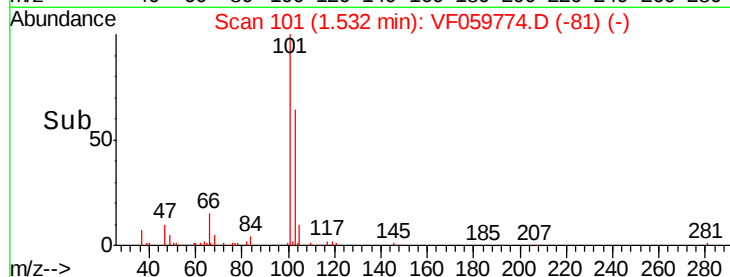
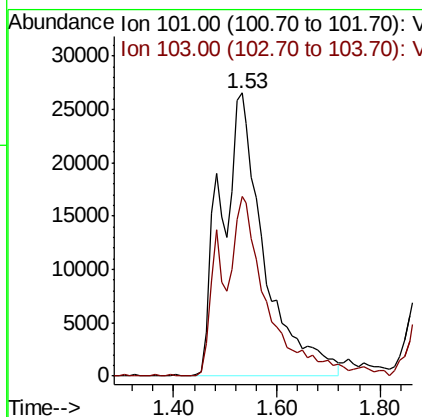
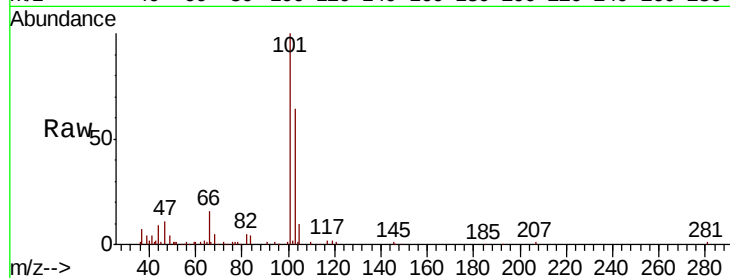
Trichlorofluoromethane
Concen: 48.90 ug/l m
RT: 1.53 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	50.8	76.2

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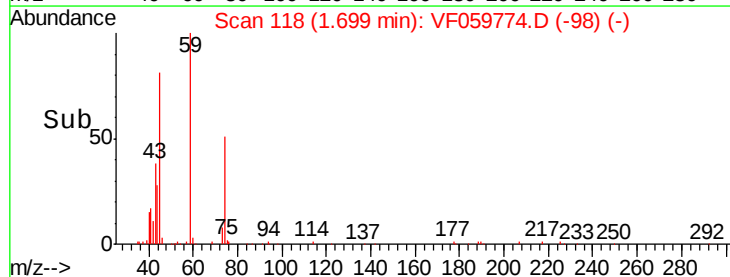
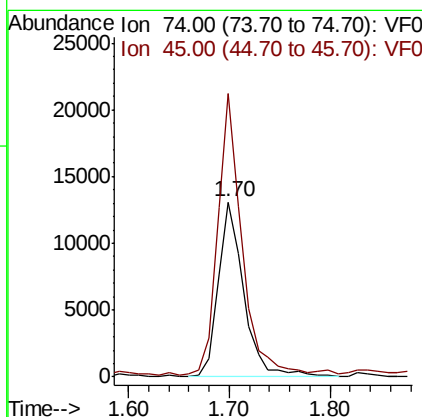
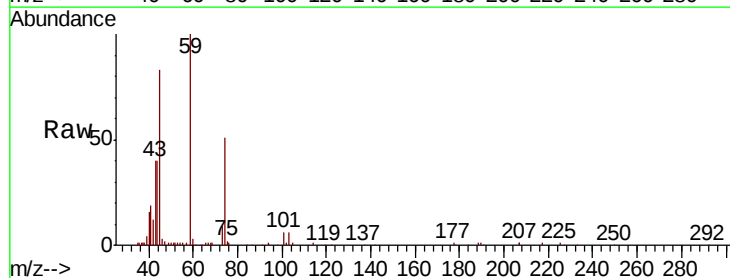
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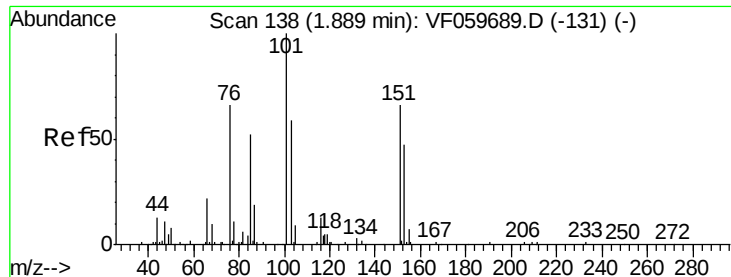


#8

Diethyl Ether
Concen: 42.39 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	161.8	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.80 ug/l

RT: 1.90 min Scan# 138

Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

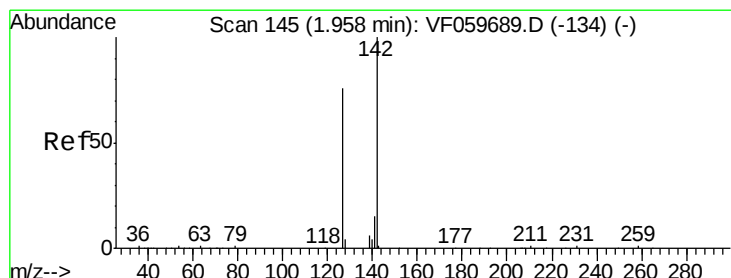
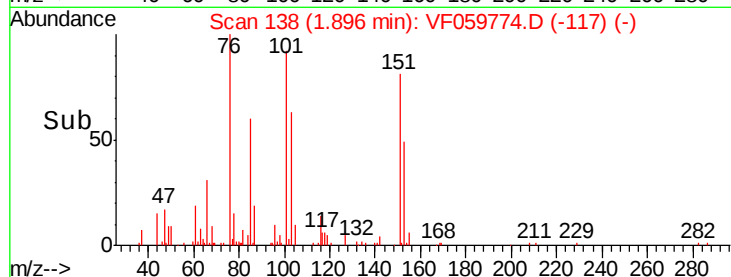
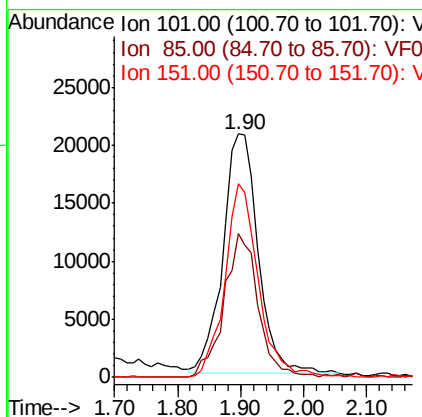
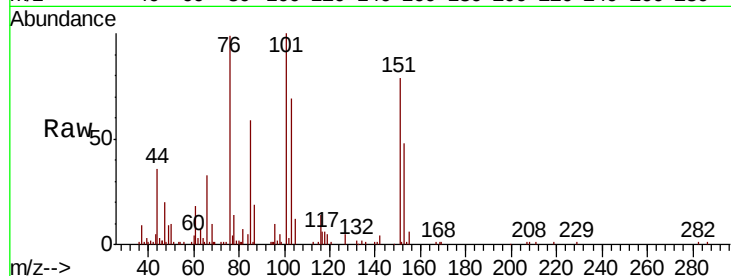
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	80259
Ion Ratio	Lower	Upper	
101	100		
85	59.0	40.7	61.1
151	79.5	51.4	77.2#

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#10

Methyl Iodide

Concen: 50.93 ug/l

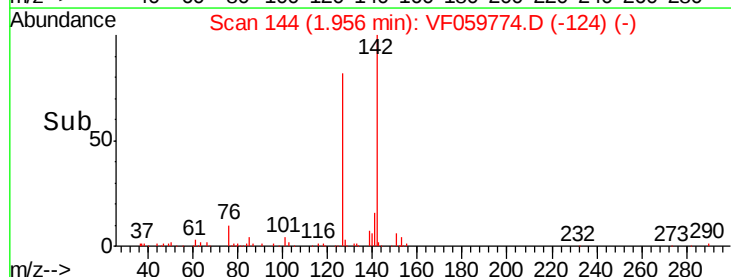
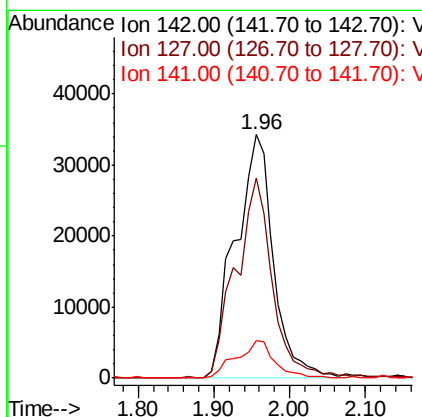
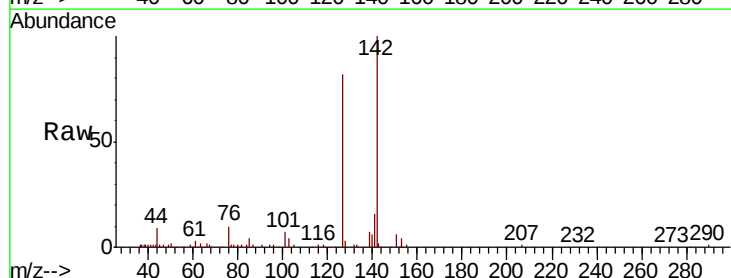
RT: 1.96 min Scan# 144

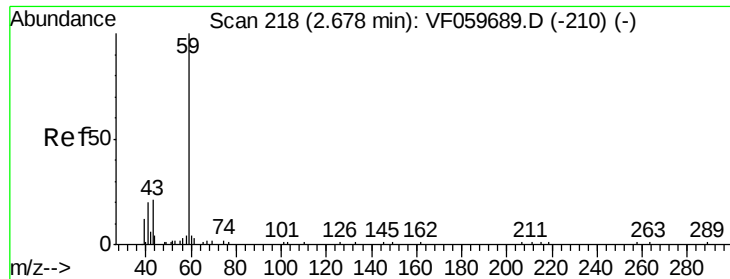
Delta R.T. -0.00 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Tgt Ion:	142	Resp:	120302
Ion Ratio	Lower	Upper	
142	100		
127	82.2	60.6	91.0
141	15.6	12.0	18.0





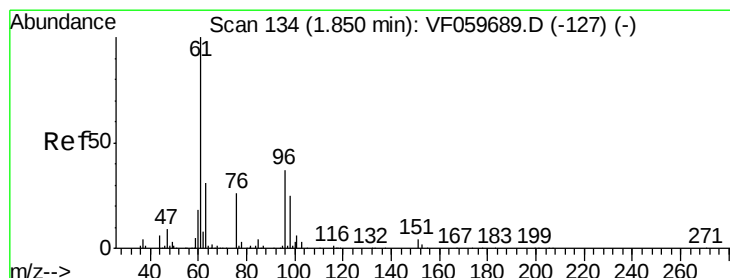
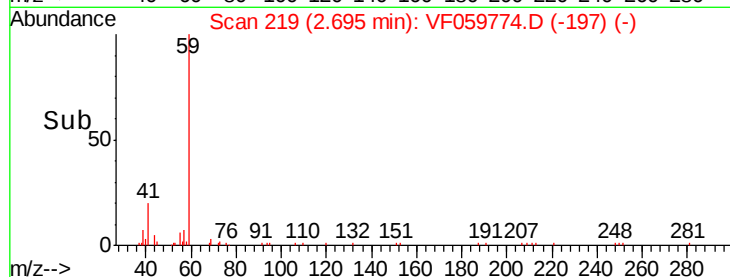
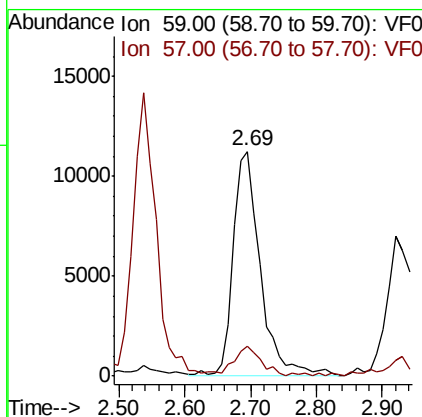
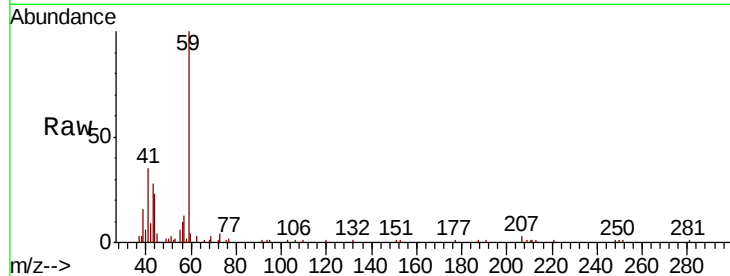
#11
Tert butyl alcohol
Concen: 264.81 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.02 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 32932
Ion Ratio Lower Upper
59 100
57 13.5 7.6 11.4#

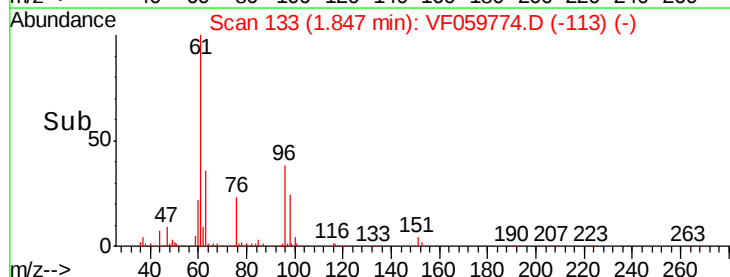
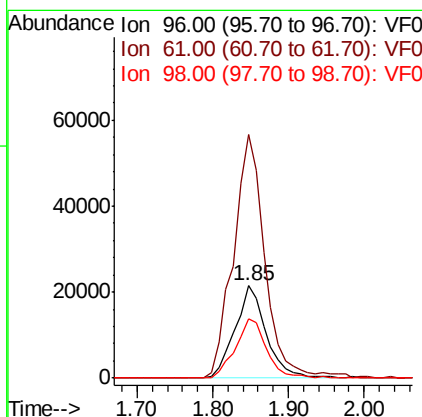
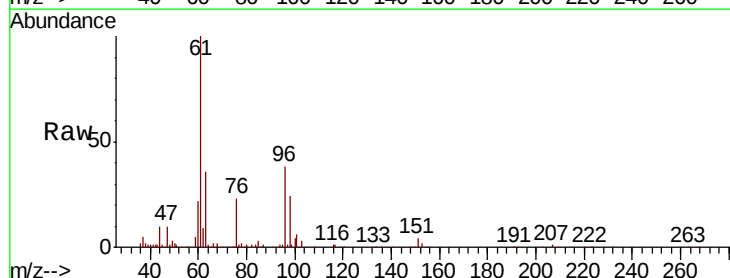
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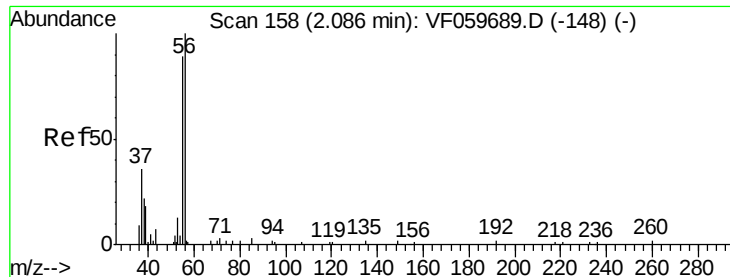
apatel
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#12
1,1-Dichloroethene
Concen: 46.43 ug/l
RT: 1.85 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Tgt Ion: 96 Resp: 61721
Ion Ratio Lower Upper
96 100
61 263.6 215.1 322.7
98 64.0 54.3 81.5





#13

Acrolein

Concen: 313.17 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 20689

Ion Ratio Lower Upper

56 100

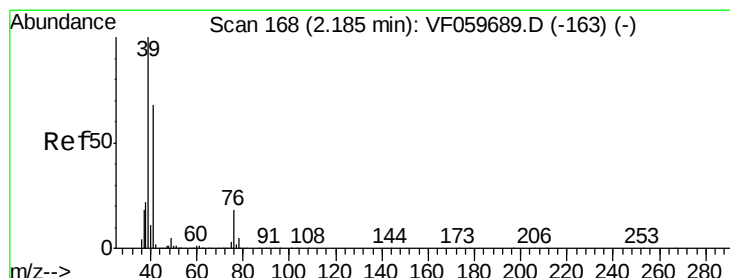
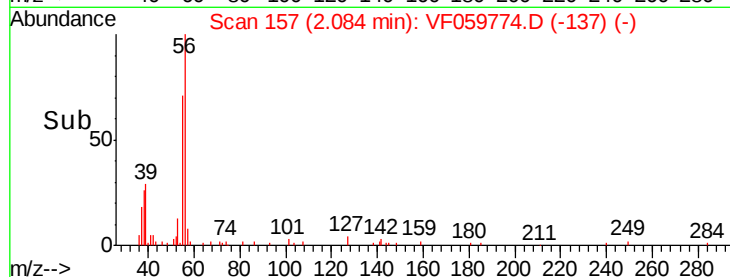
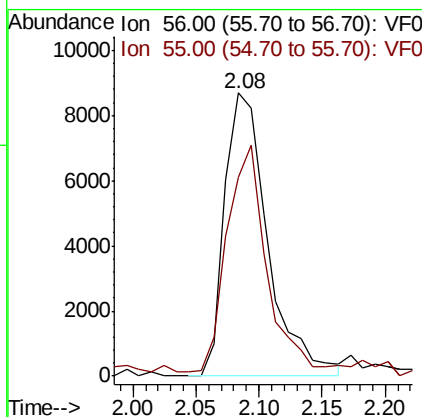
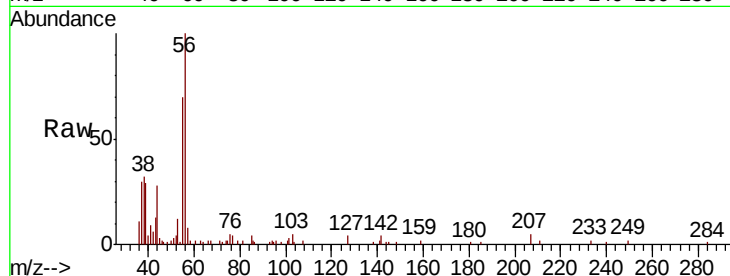
55 70.2 73.2 109.8#

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#14

Allyl chloride

Concen: 46.09 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

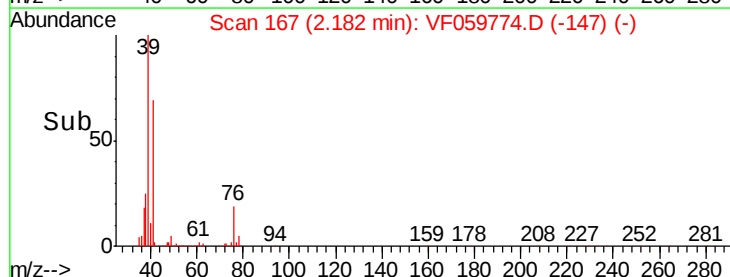
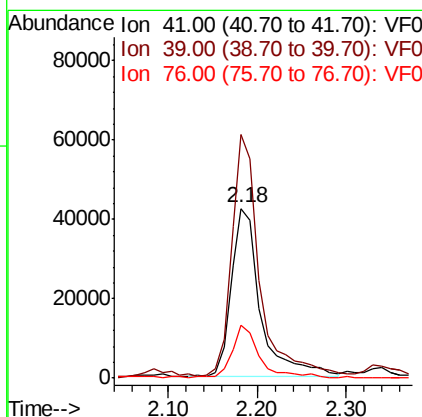
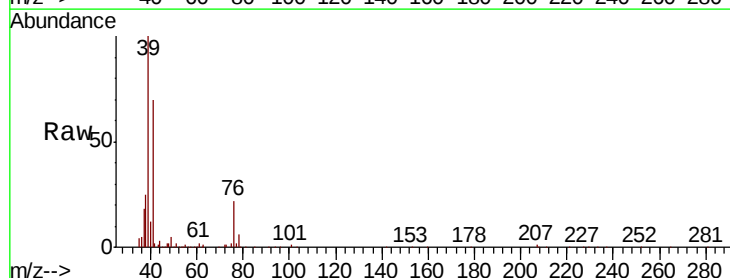
Tgt Ion: 41 Resp: 97830

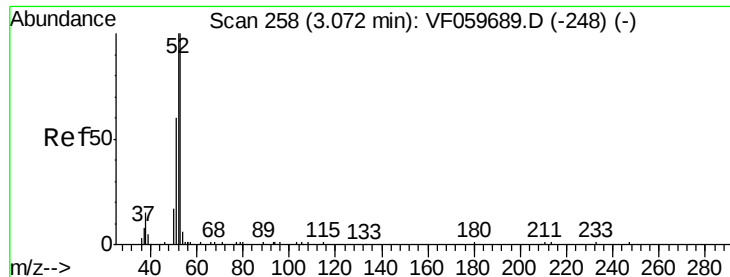
Ion Ratio Lower Upper

41 100

39 143.2 118.1 177.1

76 30.9 22.0 33.0





#15

Acrylonitrile

Concen: 279.91 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

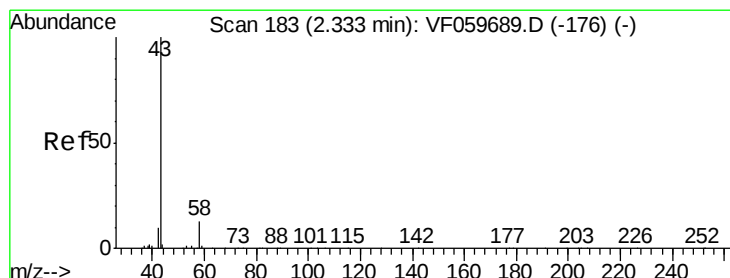
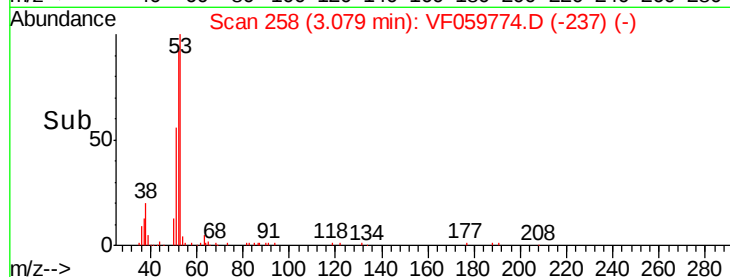
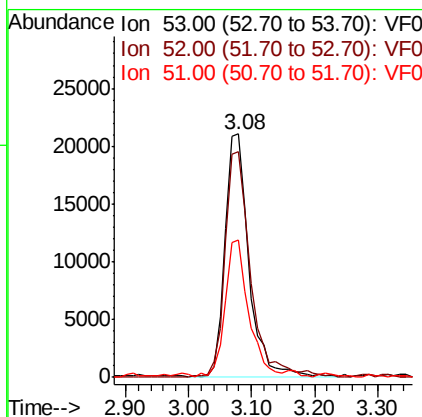
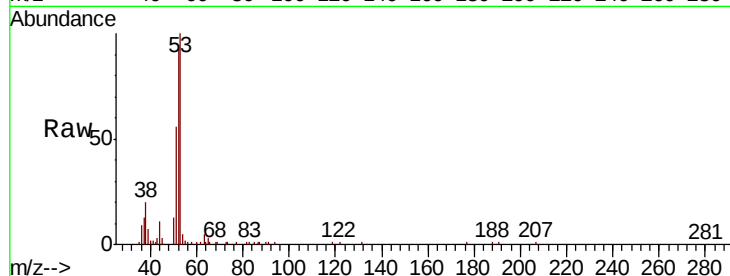
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	55802
Ion	Ratio	Lower	Upper
53	100		
52	92.7	80.3	120.5
51	56.2	49.4	74.0

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#16

Acetone

Concen: 202.43 ug/l m

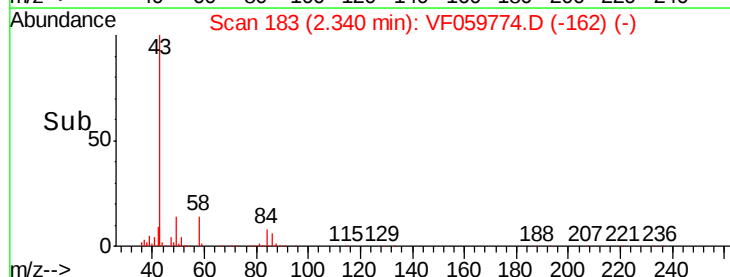
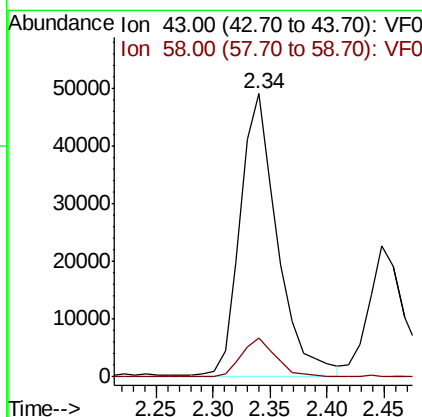
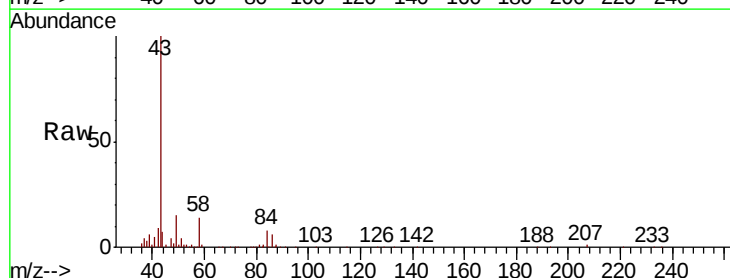
RT: 2.34 min Scan# 183

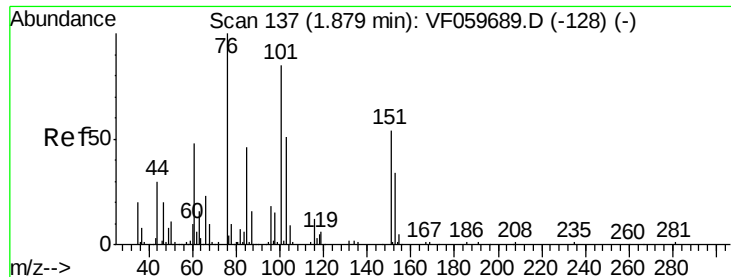
Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Tgt Ion:	43	Resp:	112344
Ion	Ratio	Lower	Upper
43	100		
58	13.9	10.1	15.1





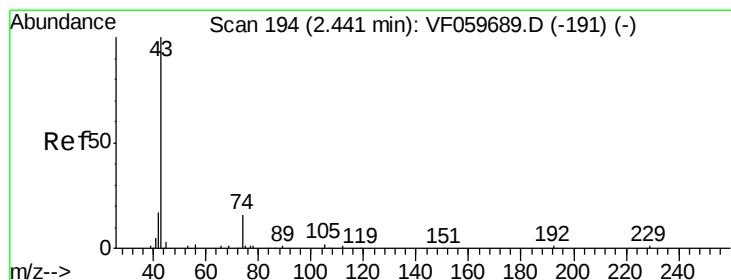
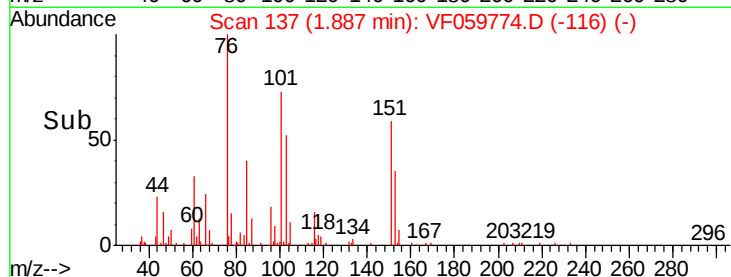
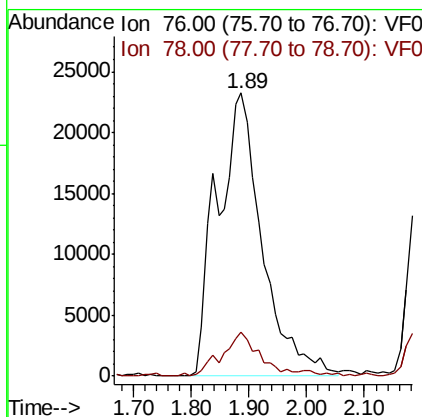
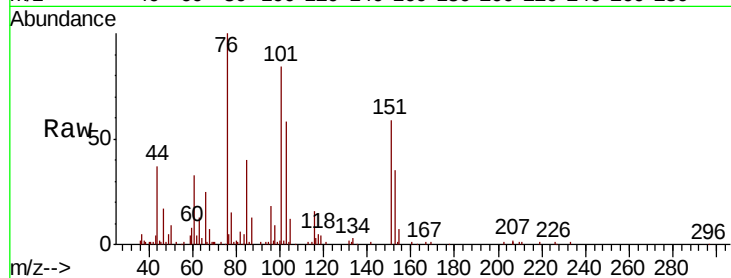
#17
Carbon Disulfide
Concen: 45.77 ug/l m
RT: 1.89 min Scan# 137
Delta R.T. 0.01 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 125731
Ion Ratio Lower Upper
76 100
78 15.4 8.9 13.3#

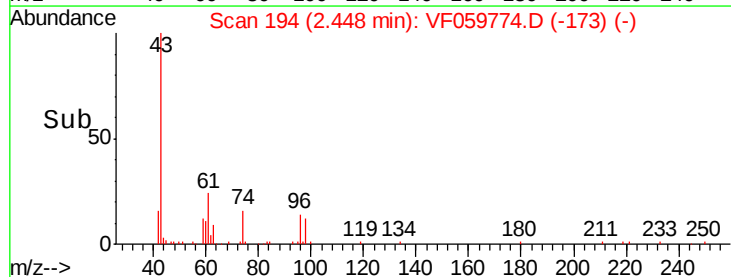
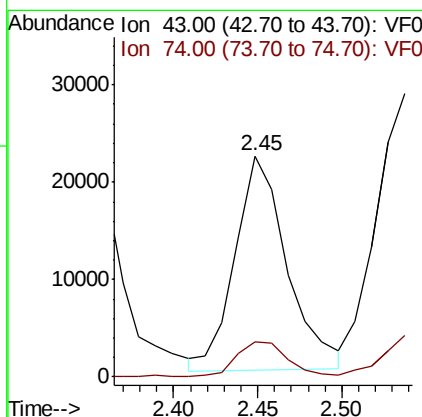
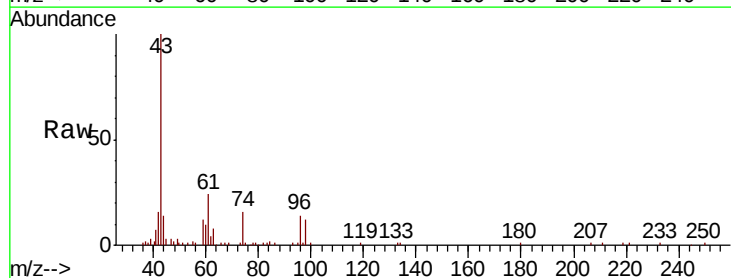
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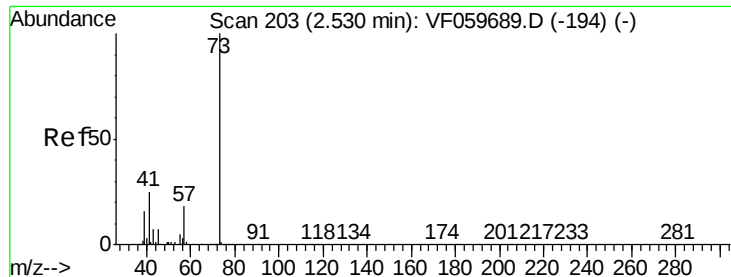
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#18
Methyl Acetate
Concen: 55.39 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.01 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Tgt Ion: 43 Resp: 47255
Ion Ratio Lower Upper
43 100
74 16.1 11.8 17.6





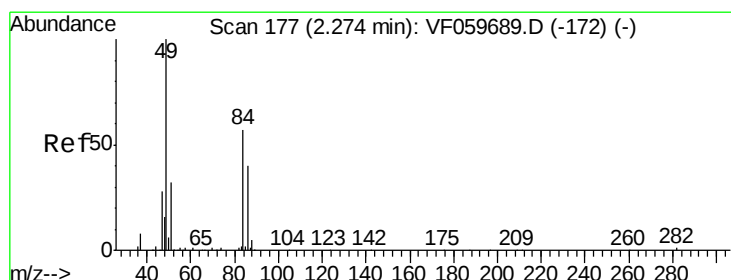
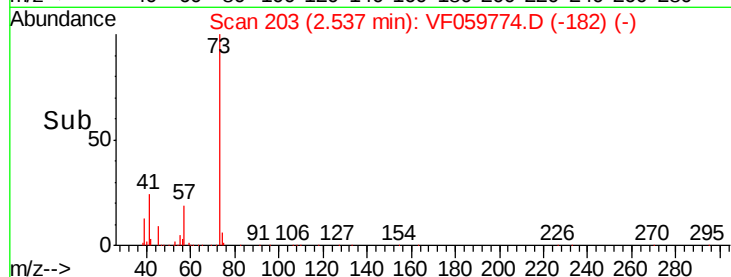
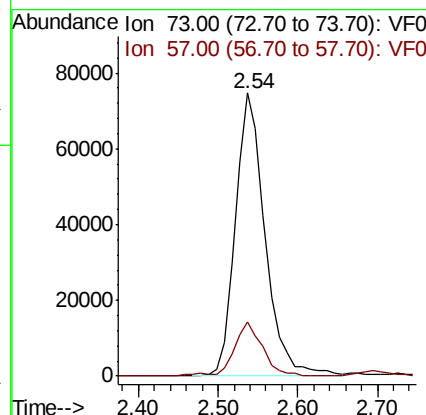
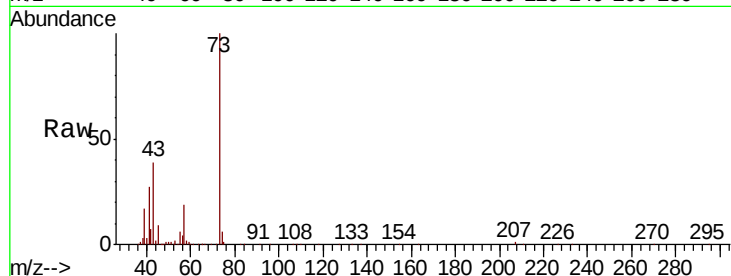
#19
Methyl tert-butyl Ether
Concen: 47.58 ug/l
RT: 2.54 min Scan# 203
Delta R.T. 0.01 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.0	14.2	21.2

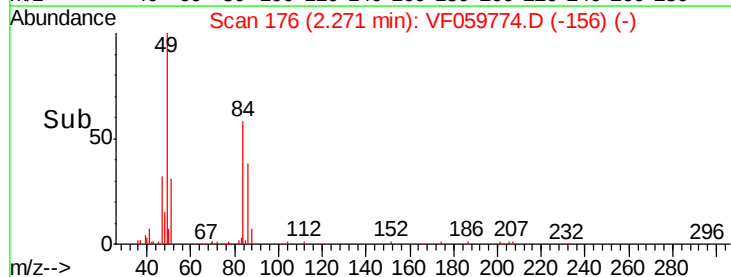
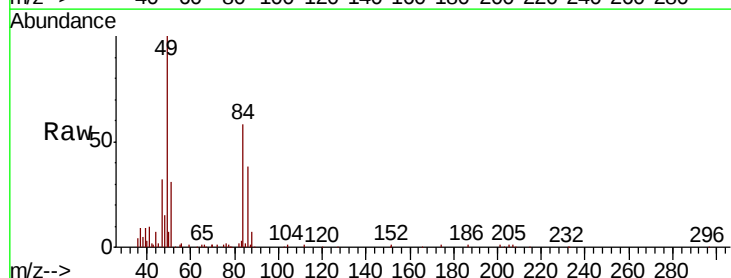
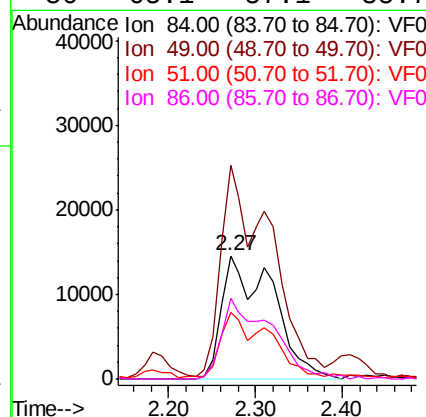
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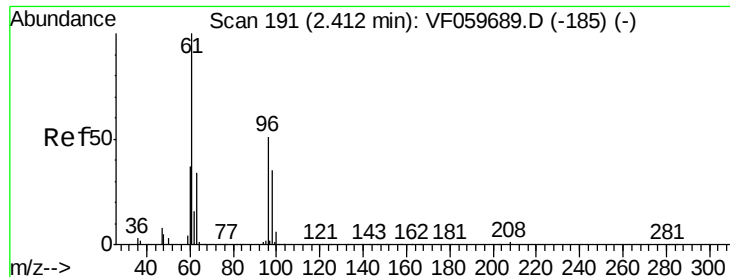
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#20
Methylene Chloride
Concen: 48.99 ug/l m
RT: 2.27 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	173.1	142.2	213.4
51	53.9	46.2	69.2
86	65.1	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 51.88 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

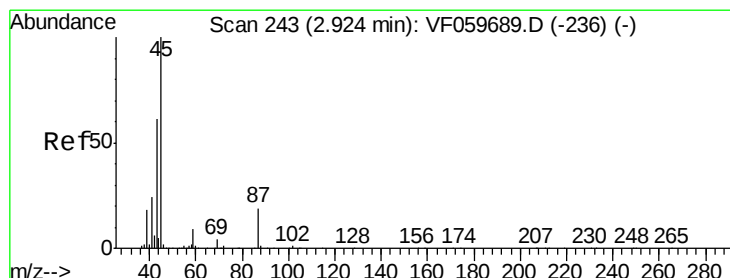
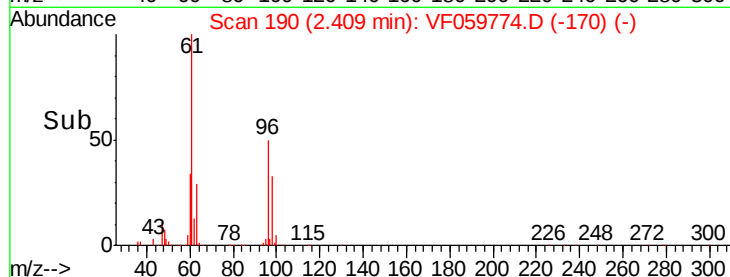
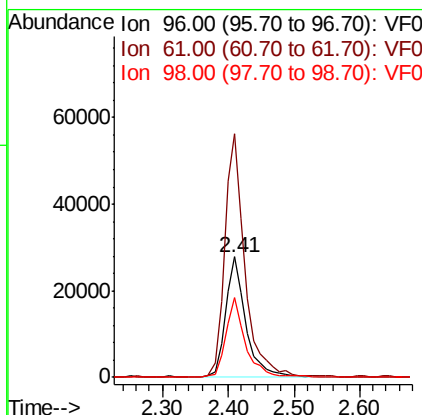
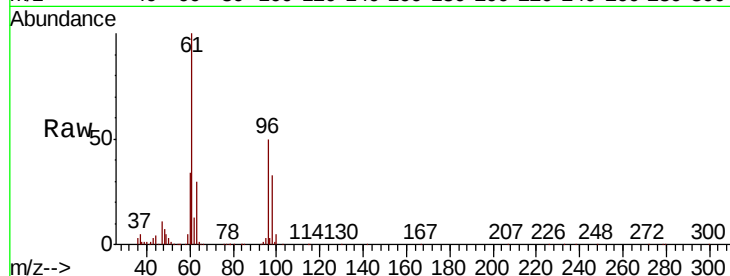
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	60274
Ion	Ratio	Lower	Upper
96	100		
61	201.9	157.4	236.0
98	66.7	55.0	82.4

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#22

Diisopropyl ether

Concen: 47.89 ug/l

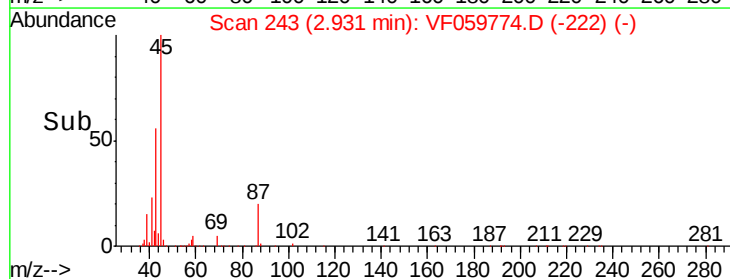
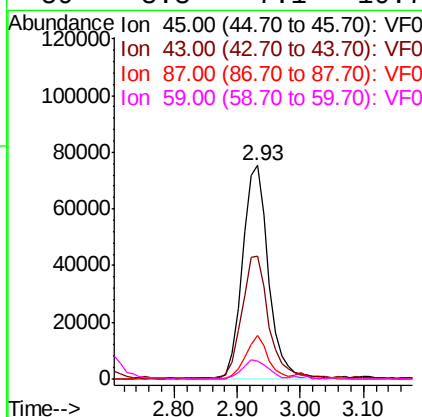
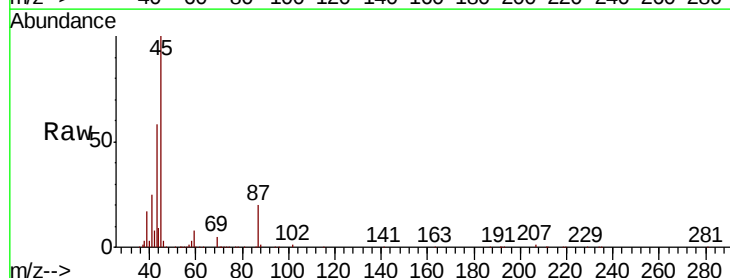
RT: 2.93 min Scan# 243

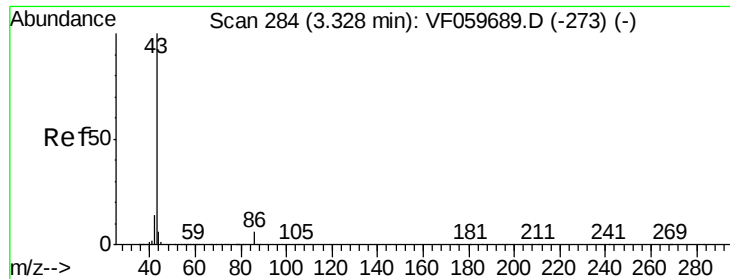
Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Tgt Ion:	45	Resp:	214951
Ion	Ratio	Lower	Upper
45	100		
43	57.6	49.3	73.9
87	20.3	15.3	22.9
59	8.3	7.1	10.7





#23

Vinyl Acetate

Concen: 265.24 ug/l

RT: 3.34 min Scan# 284

Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Tot Ion: 43 Resp: 612124

Ion Ratio Lower Upper

43 100

86 6.5 4.6 6.8

Instrument :

MSVOA_F

ClientSampleId :

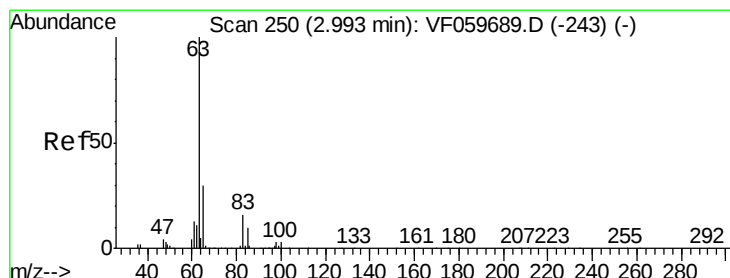
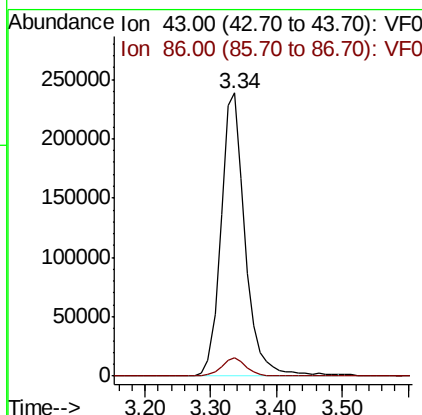
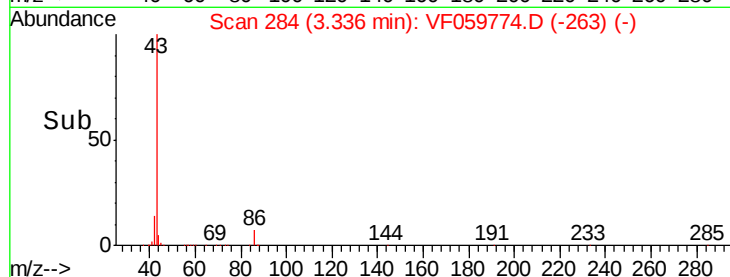
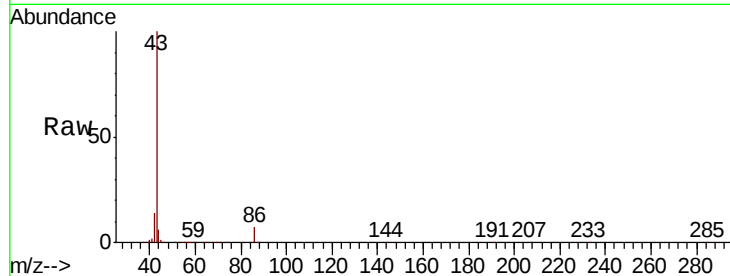
VSTDCCC050

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#24

1,1-Dichloroethane

Concen: 47.97 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

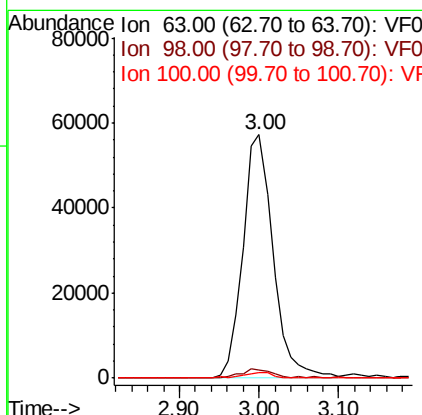
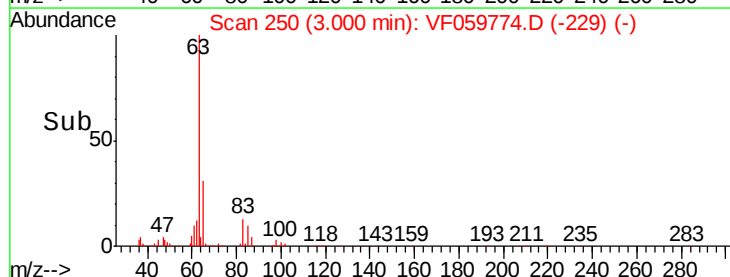
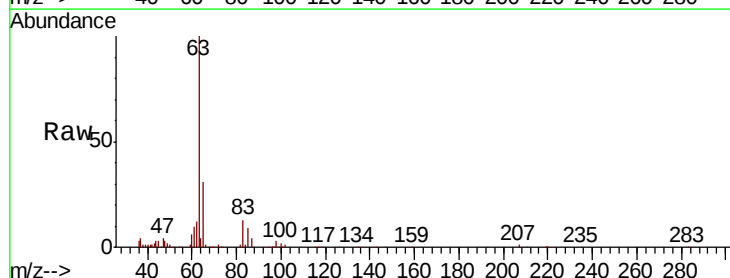
Tgt Ion: 63 Resp: 149607

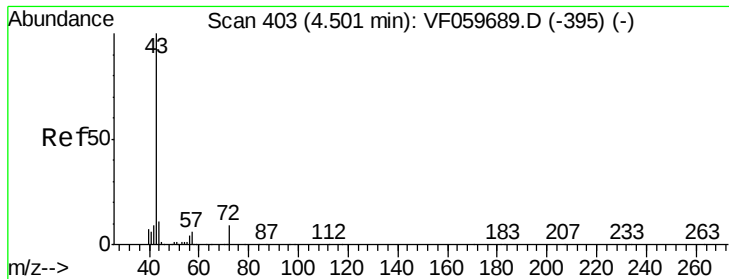
Ion Ratio Lower Upper

63 100

98 3.4 1.4 4.2

100 2.3 1.6 4.7





#25

2-Butanone

Concen: 219.39 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 135874

Ion Ratio Lower Upper

43 100

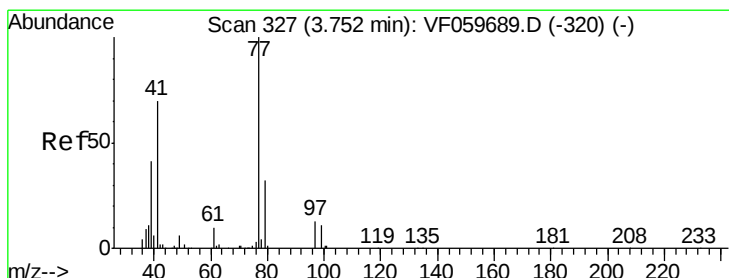
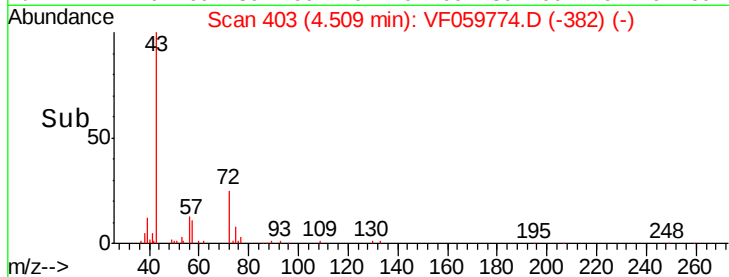
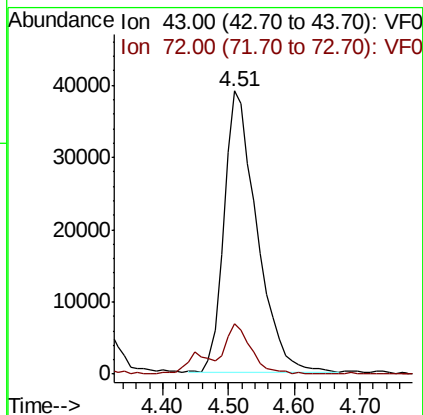
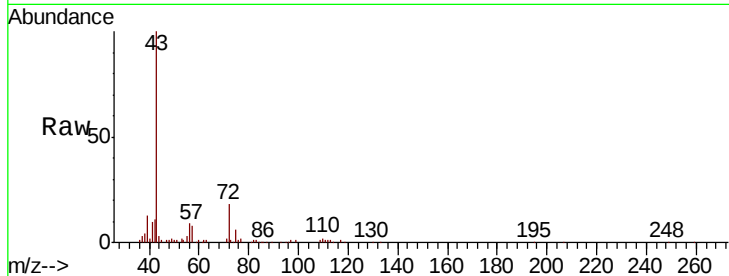
72 17.9 7.7 11.5#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.46 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF059774.D

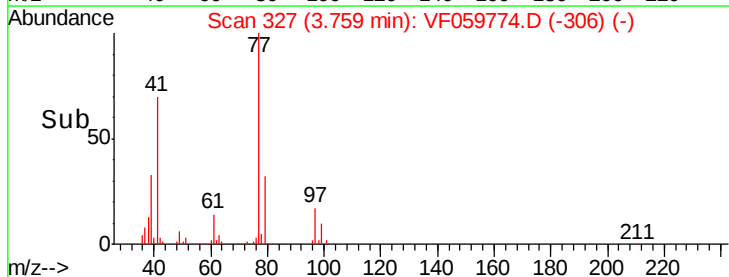
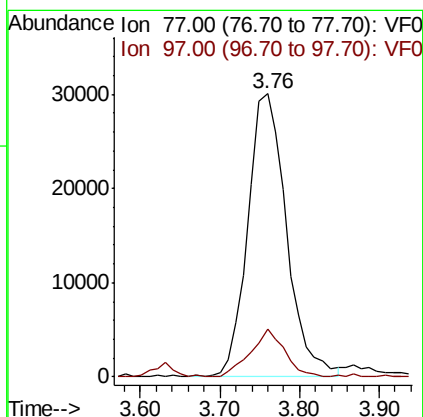
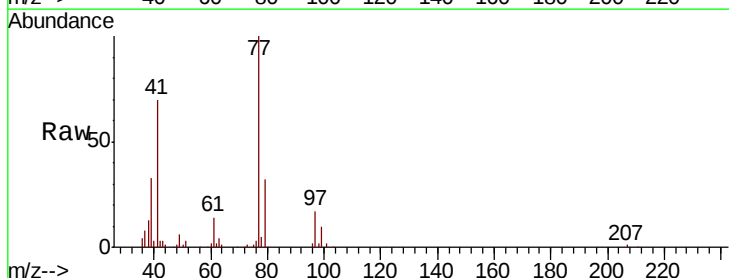
Acq: 2 Aug 2018 00:45

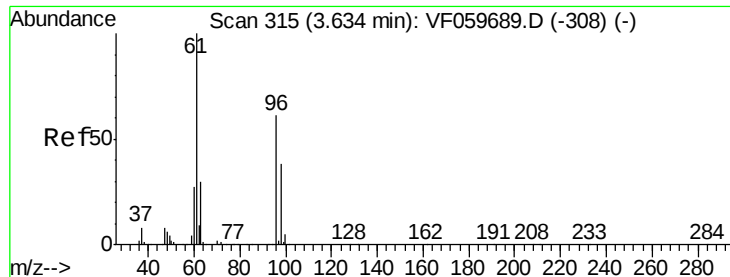
Tgt Ion: 77 Resp: 101073

Ion Ratio Lower Upper

77 100

97 16.8 6.8 20.4





#27

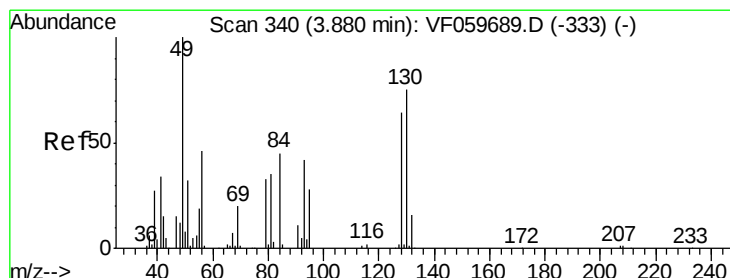
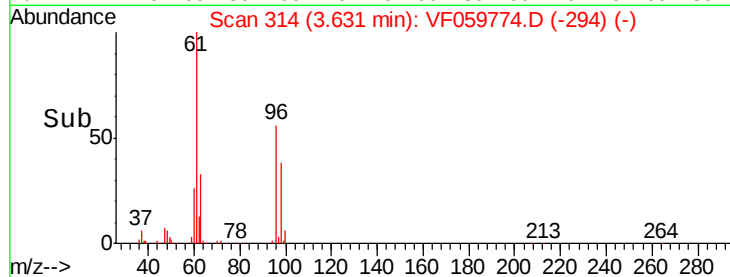
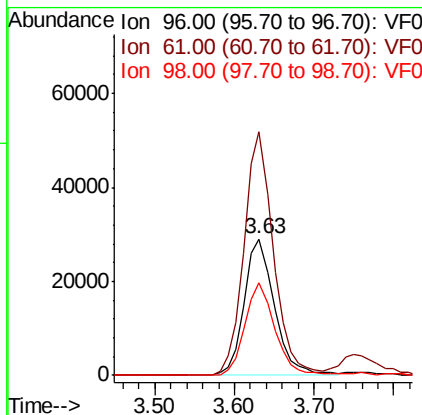
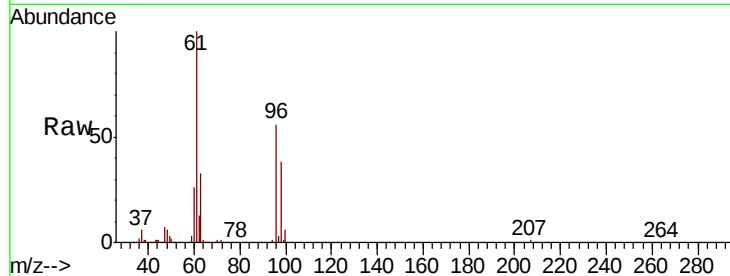
cis-1,2-Dichloroethene
Concen: 45.66 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	178.3	0.0	326.8
98	68.2	0.0	125.2

Manual Integrations
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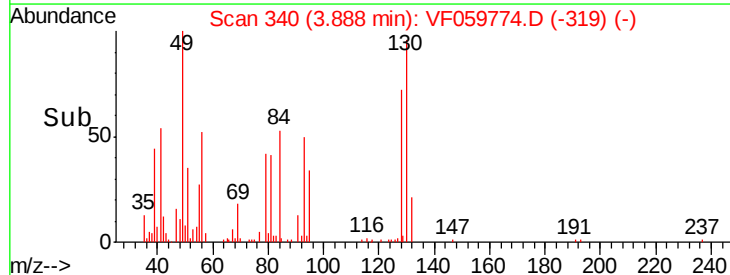
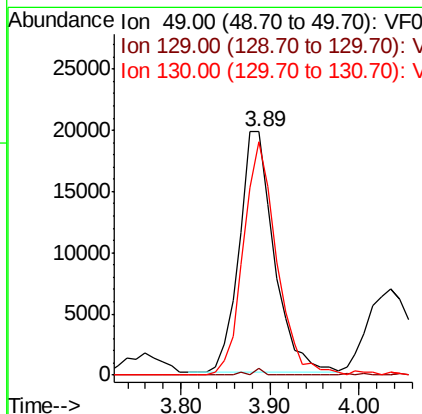
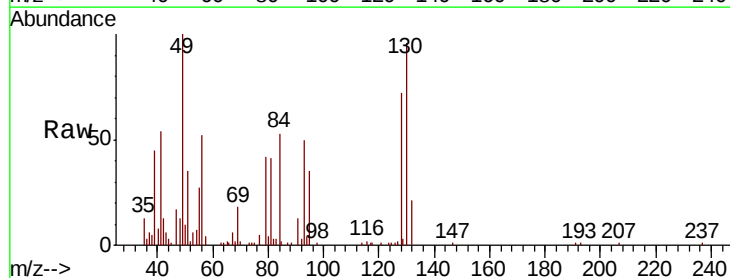
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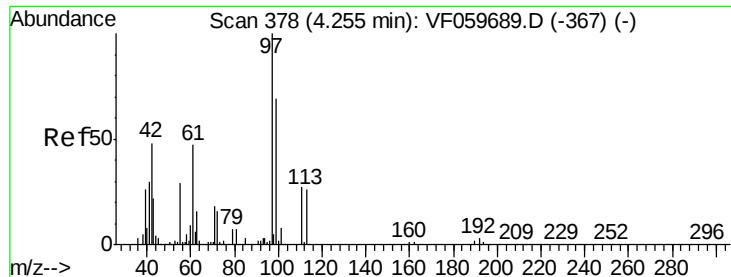


#28

Bromochloromethane
Concen: 49.28 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.8
130	95.9	59.6	89.4#





#29

Tetrahydrofuran

Concen: 243.09 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.00 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

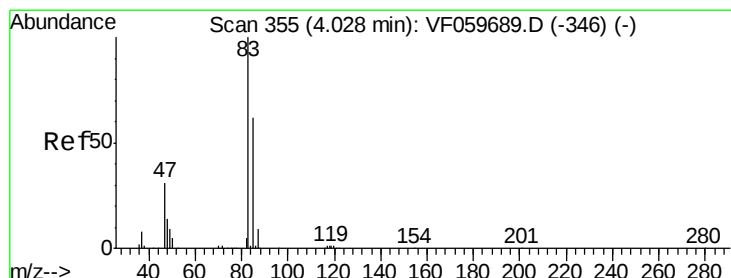
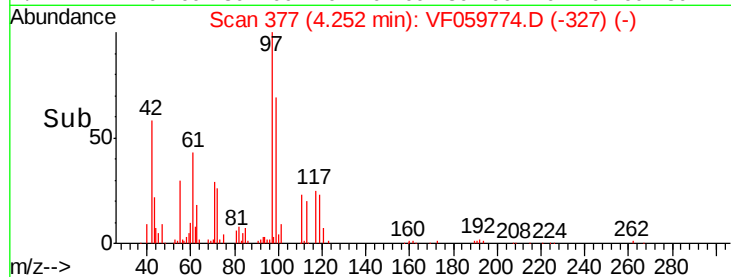
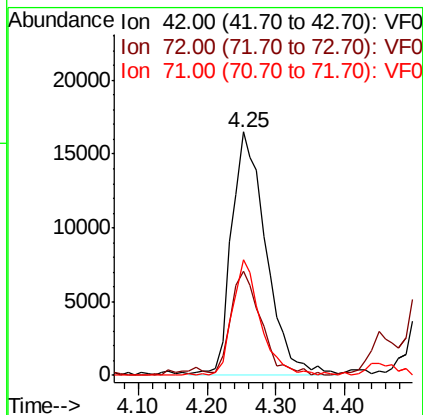
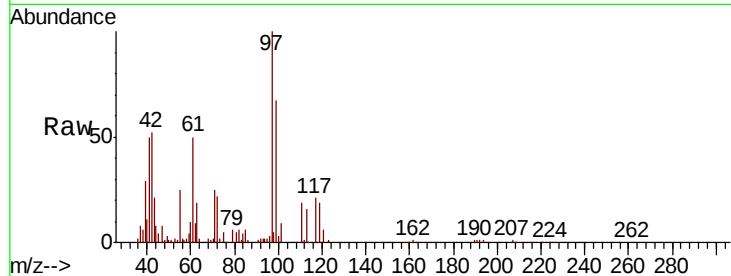
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	57865
Ion Ratio	Lower	Upper	
42	100		
72	37.6	27.0	40.6
71	38.0	29.7	44.5

Manual Integrations
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#30

Chloroform

Concen: 47.16 ug/l

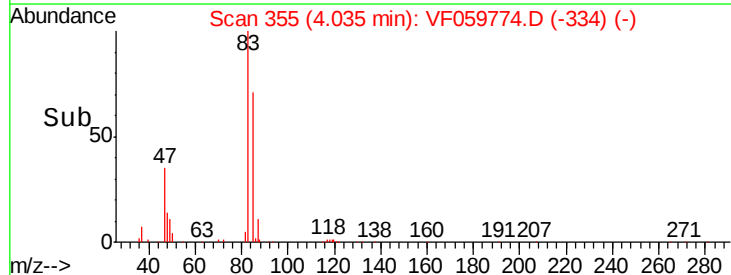
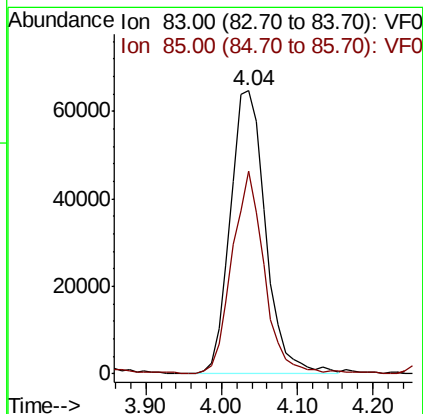
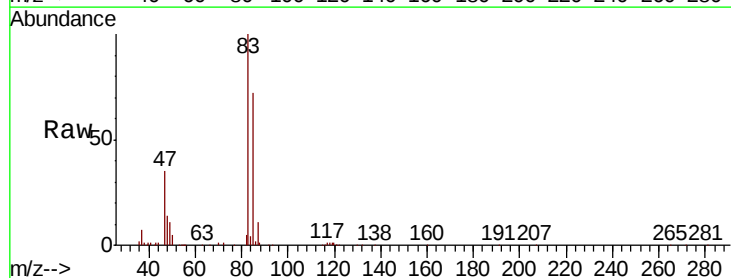
RT: 4.04 min Scan# 355

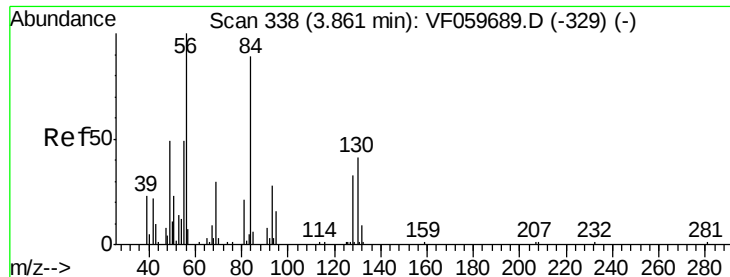
Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Tgt Ion:	83	Resp:	207582
Ion Ratio	Lower	Upper	
83	100		
85	71.6	49.4	74.0





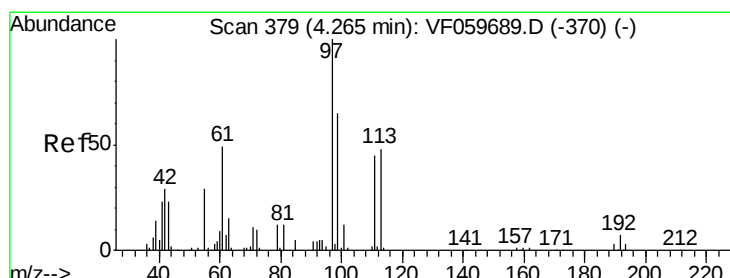
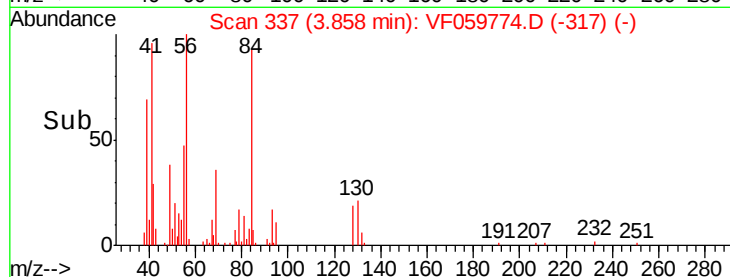
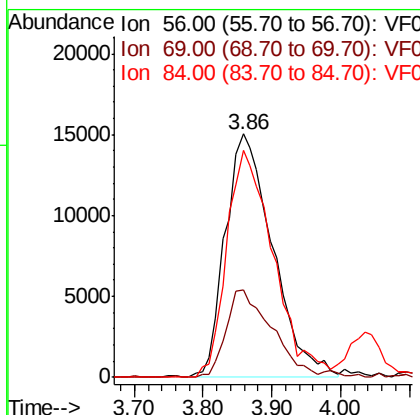
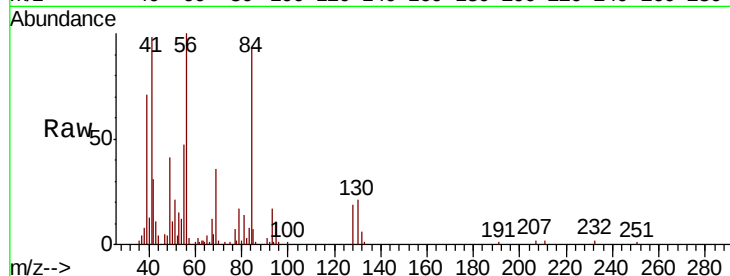
#31
Cyclohexane
Concen: 47.21 ug/l
RT: 3.86 min Scan# 337
Delta R.T. -0.00 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	23.7	35.5#
84	93.1	71.1	106.7

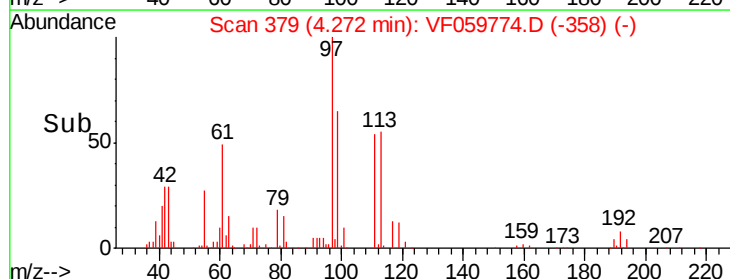
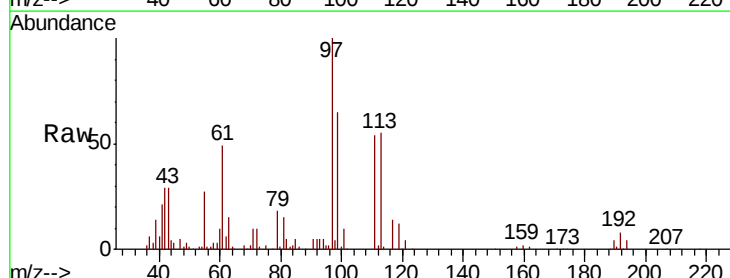
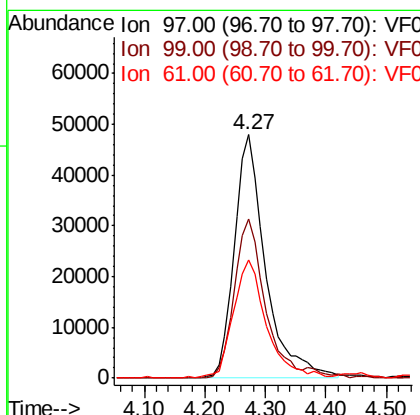
Manual Integrations
APPROVED

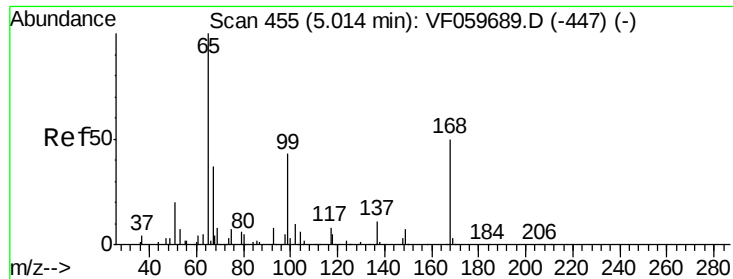
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#32
1,1,1-Trichloroethane
Concen: 50.33 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	52.4	78.6
61	48.8	39.7	59.5





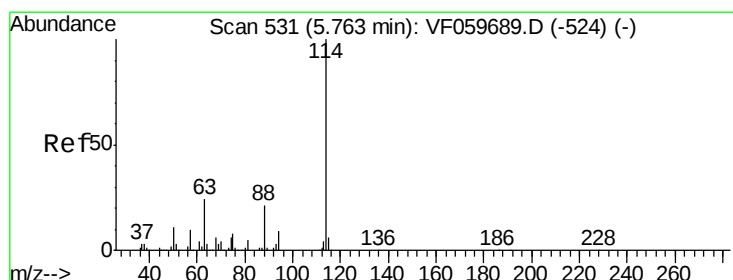
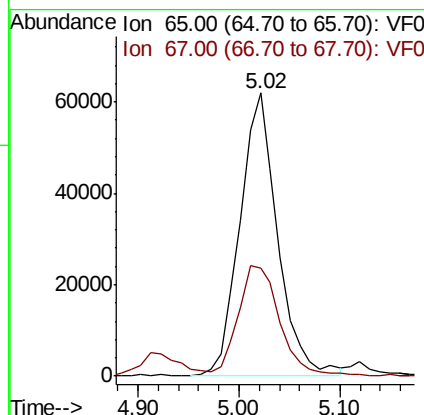
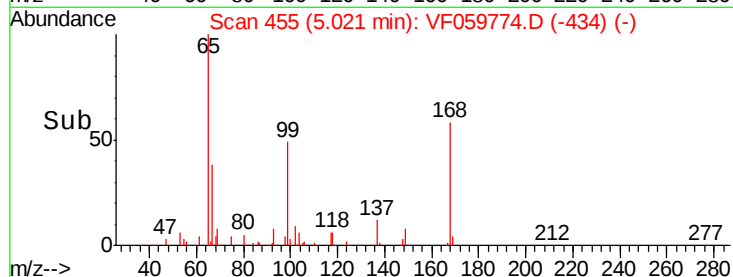
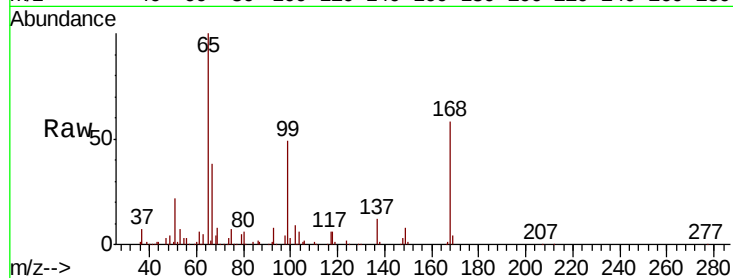
#33
 1,2-Dichloroethane-d4
 Concen: 52.11 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.01 min
 Lab File: VF059774.D
 Acq: 2 Aug 2018 00:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	38.2	0.0	84.6

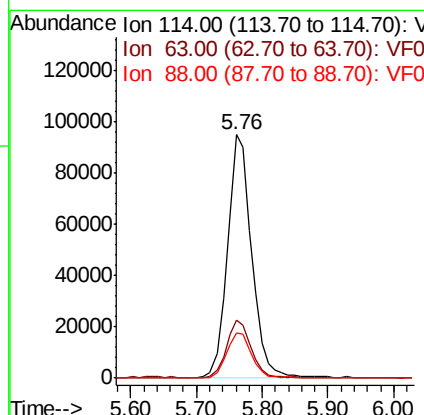
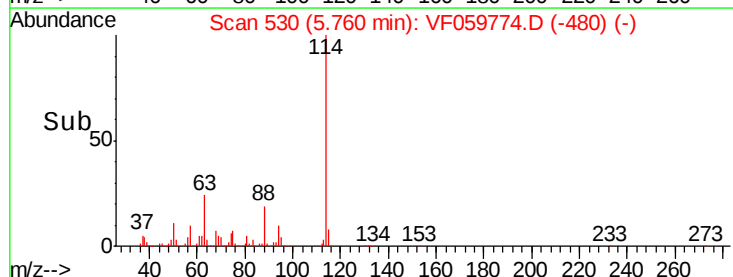
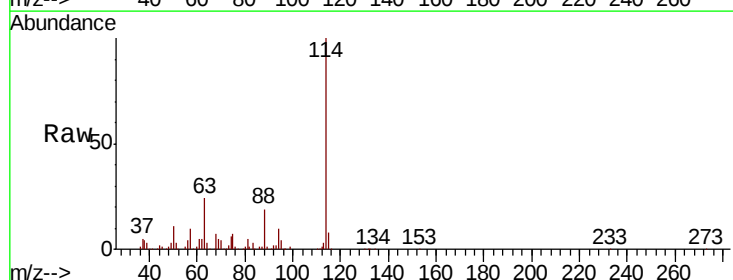
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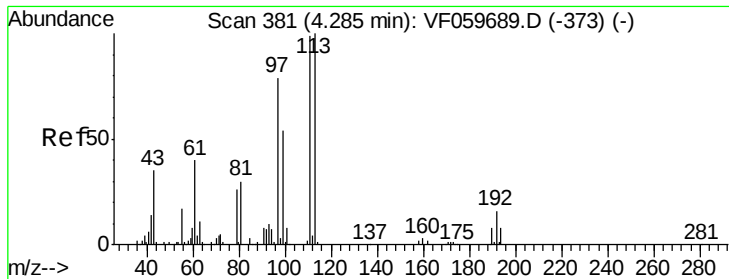
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VF059774.D
 Acq: 2 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.8	0.0	47.4
88	18.6	0.0	41.2





#35

Dibromofluoromethane

Concen: 50.45 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

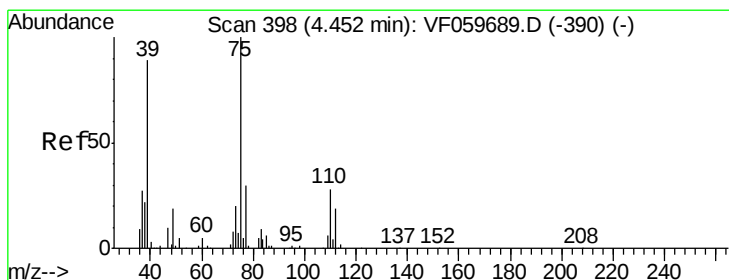
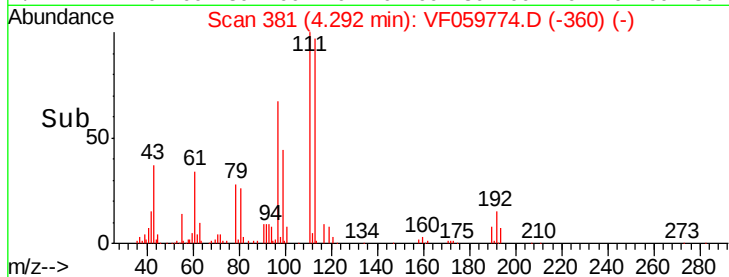
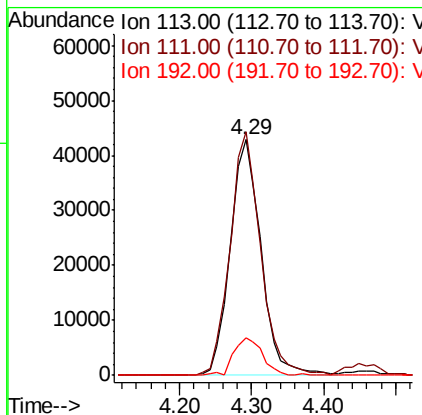
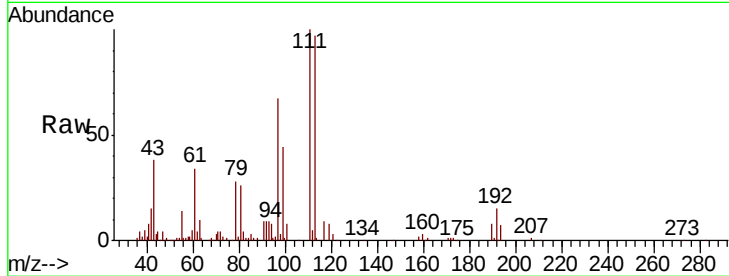
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	128045
Ion Ratio	Lower	Upper	
113	100		
111	103.3	79.0	118.4
192	15.7	13.2	19.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 48.90 ug/l

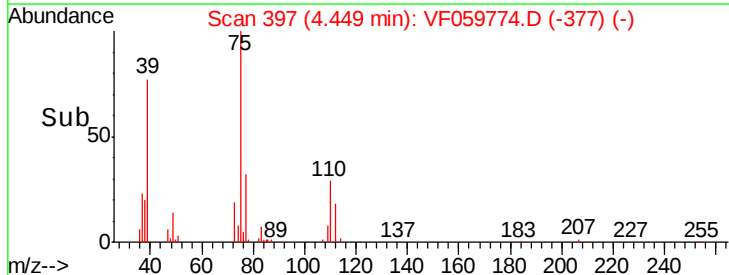
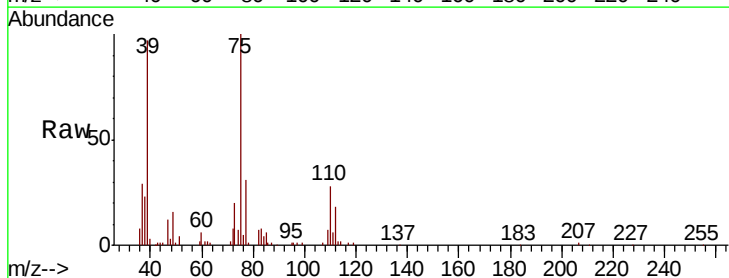
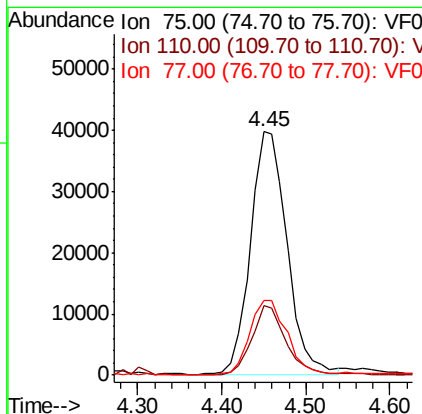
RT: 4.45 min Scan# 397

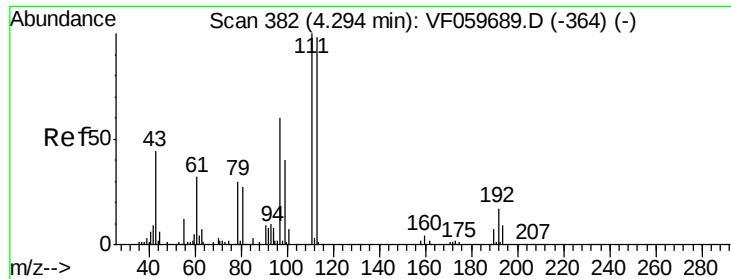
Delta R.T. -0.00 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Tgt Ion:	75	Resp:	121176
Ion Ratio	Lower	Upper	
75	100		
110	28.4	14.0	41.9
77	30.8	24.2	36.2





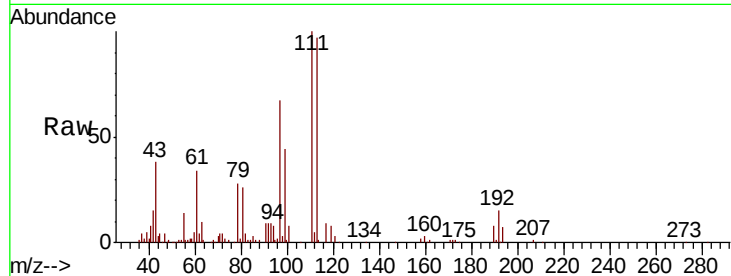
#37
Ethyl Acetate
Concen: 55.30 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	91.0	58.2				87.2#
70	7.6	6.0				9.0

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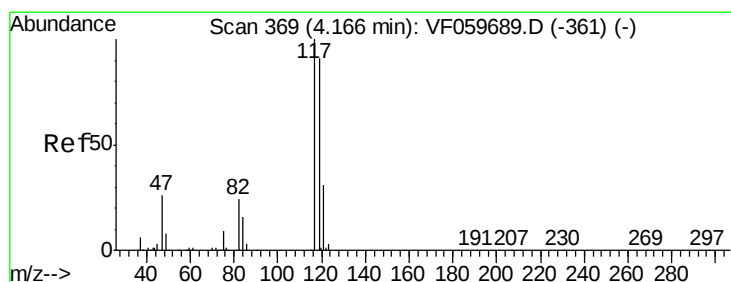
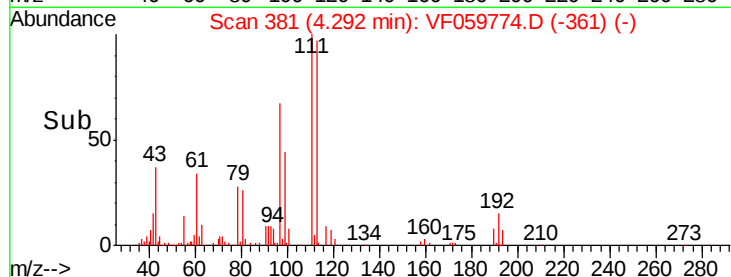
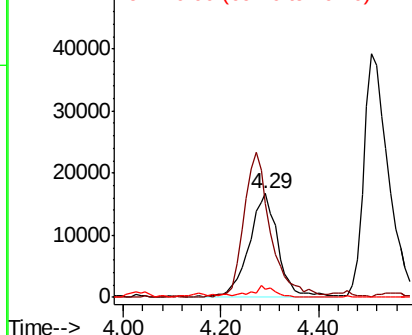


Abundance

Ion 43.00 (42.70 to 43.70): VF0

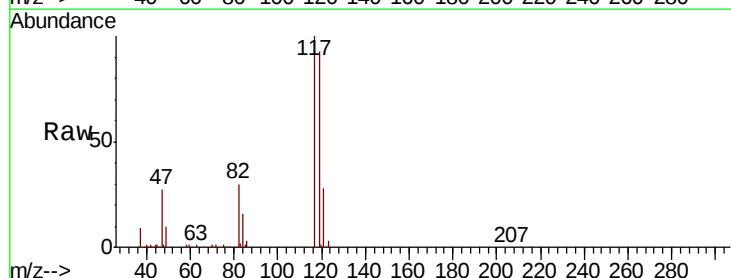
Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38
Carbon Tetrachloride
Concen: 48.53 ug/l m
RT: 4.16 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	92.9	72.9				109.3
121	28.5	25.0				37.4

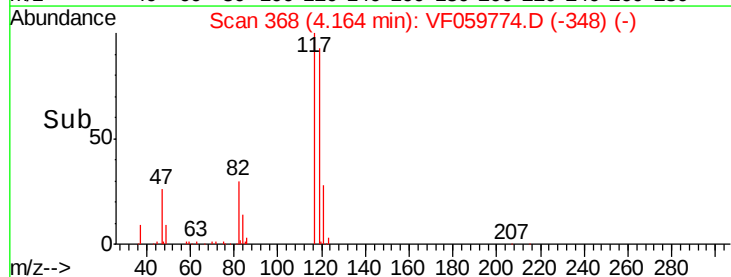
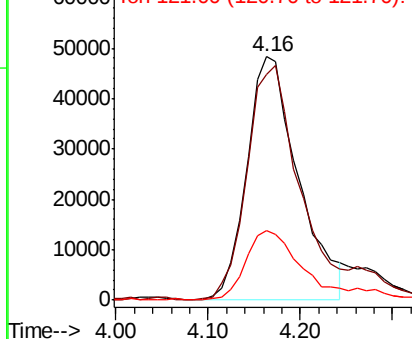


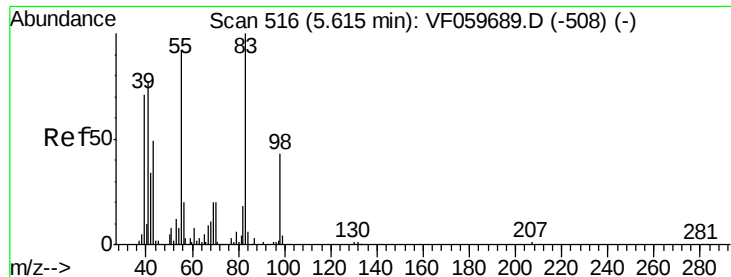
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





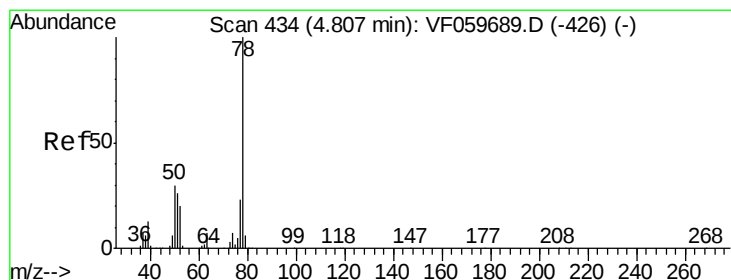
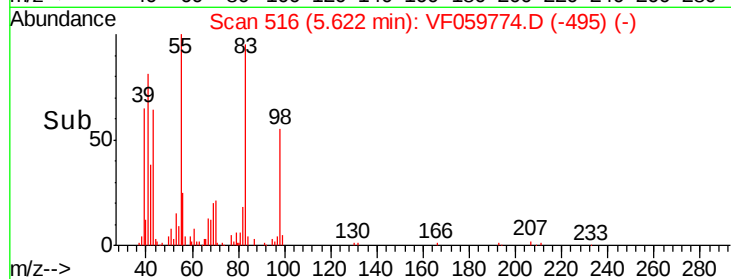
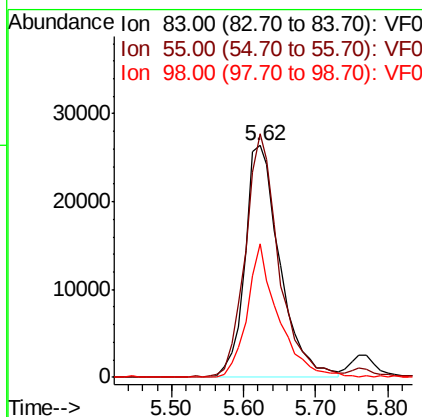
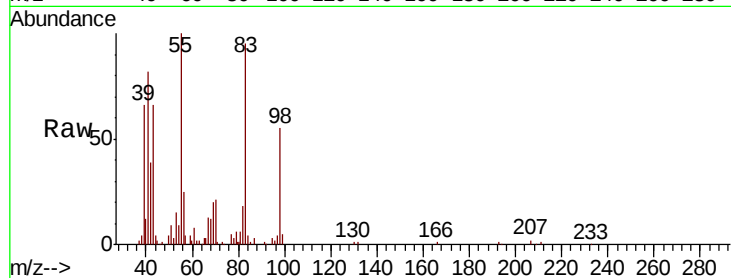
#39
Methvlcvclohexane
Concen: 47.08 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.01 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	89270
Ion Ratio	Lower	Upper	
83	100		
55	105.0	73.4	110.2
98	57.3	34.2	51.4#

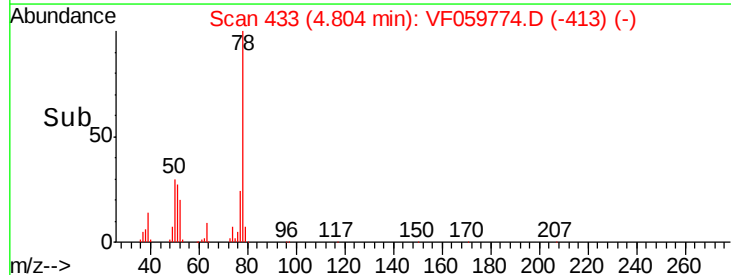
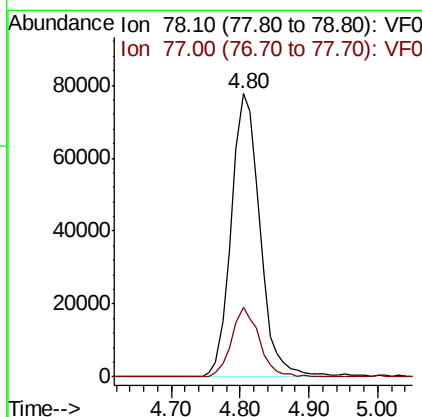
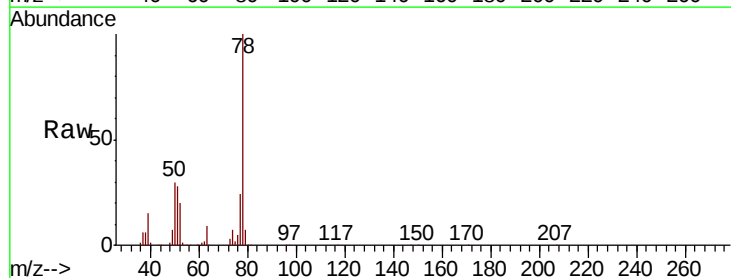
Manual Integrations
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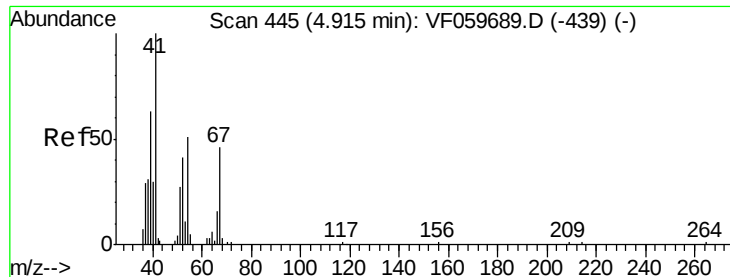
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#40
Benzene
Concen: 45.56 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.00 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Tgt Ion	78	Resp	224822
Ion Ratio	Lower	Upper	
78	100		
77	24.4	18.9	28.3





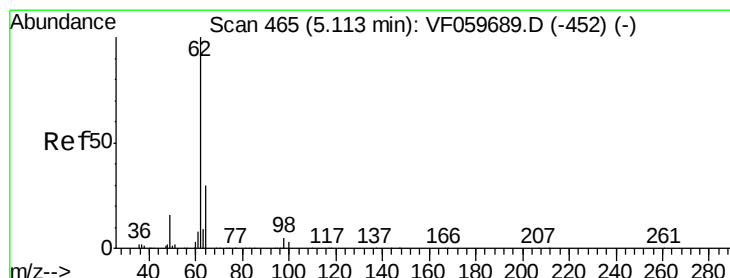
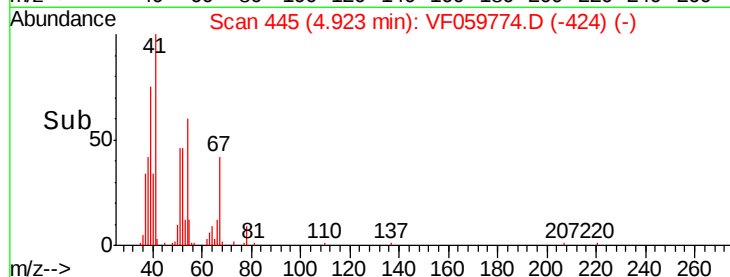
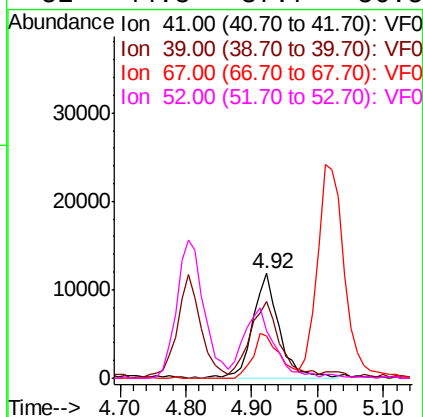
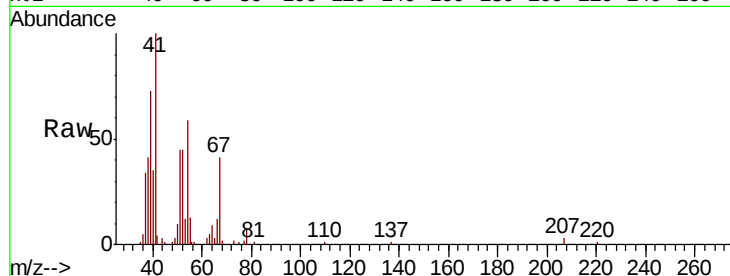
#41
Methacrylonitrile
Concen: 54.83 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.01 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	72.9	55.2	82.8	
67	41.0	36.2	54.2	
52	44.8	37.7	56.5	

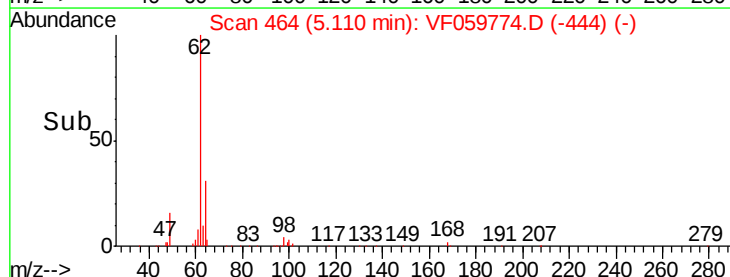
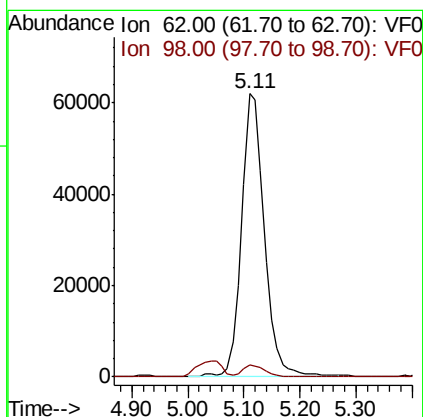
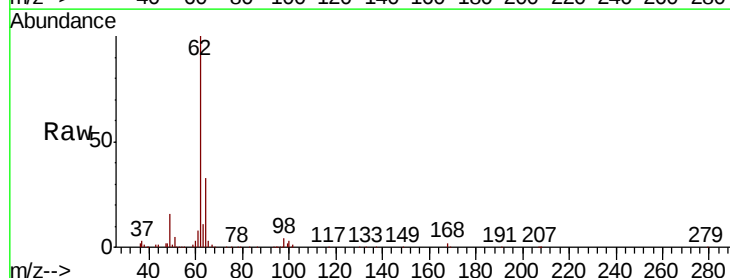
Manual Integrations
APPROVED

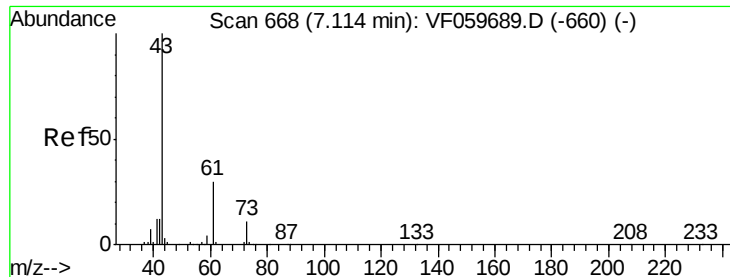
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#42
1,2-Dichloroethane
Concen: 50.73 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.00 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	4.1	0.0	9.6	





#43

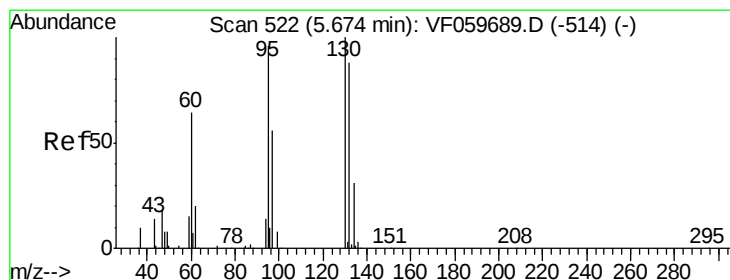
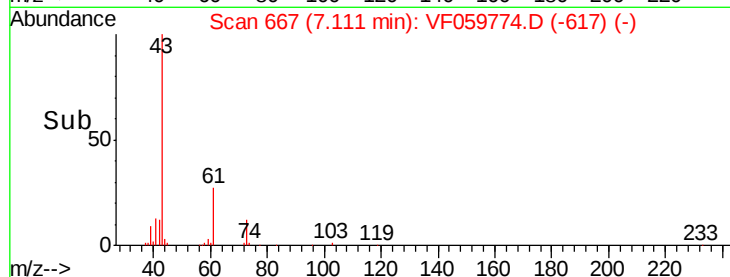
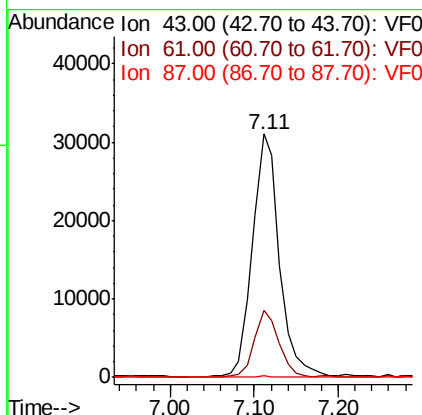
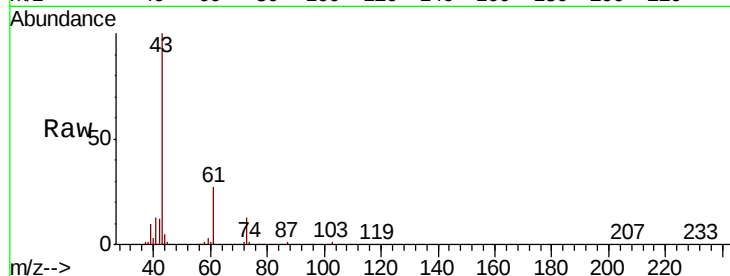
Isopropyl Acetate
 Concen: 48.23 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VF059774.D
 Acq: 2 Aug 2018 00:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.2	23.8	35.8
87	0.7	0.6	1.0

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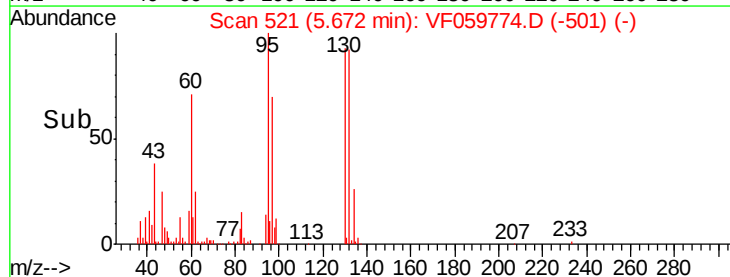
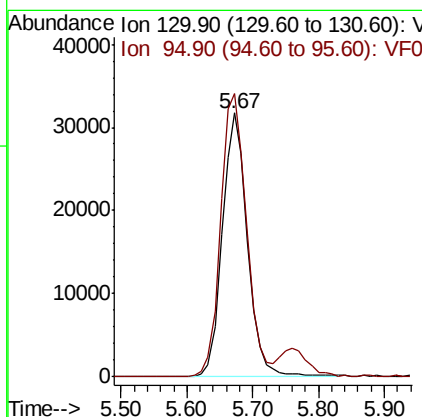
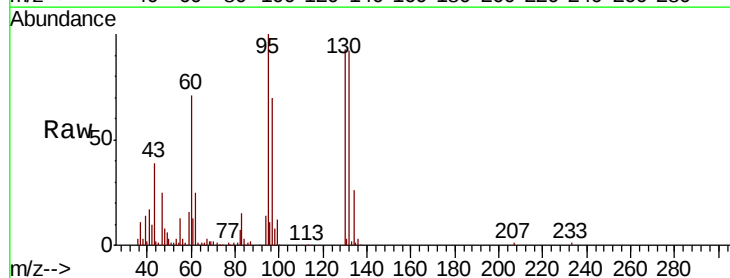
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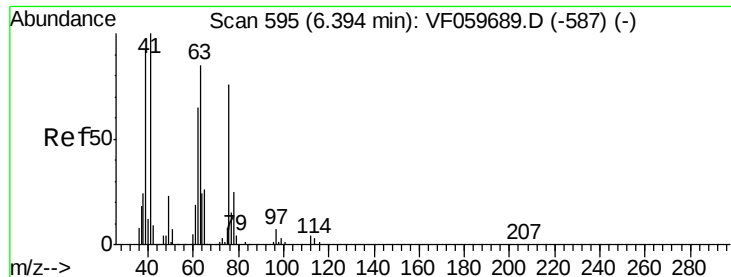


#44

Trichloroethene
 Concen: 51.19 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.00 min
 Lab File: VF059774.D
 Acq: 2 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.3	0.0	191.0





#45

1,2-Dichloropropane

Concen: 47.69 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Tot Ion: 63 Resp: 62143

Ion Ratio Lower Upper

63 100

65 38.0 25.2 37.8#

Instrument :

MSVOA_F

ClientSampleId :

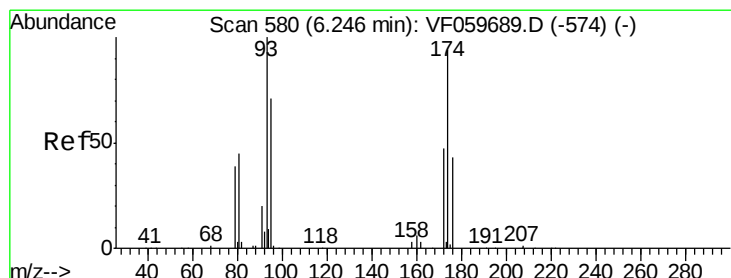
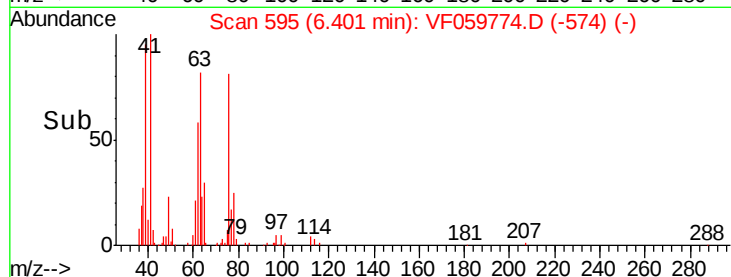
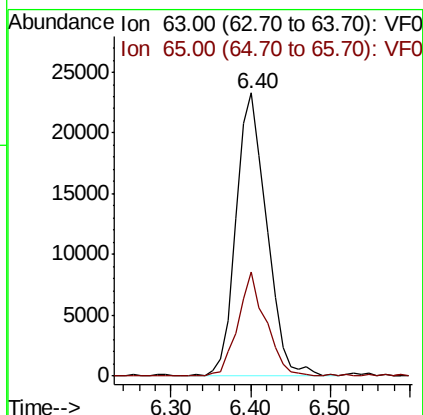
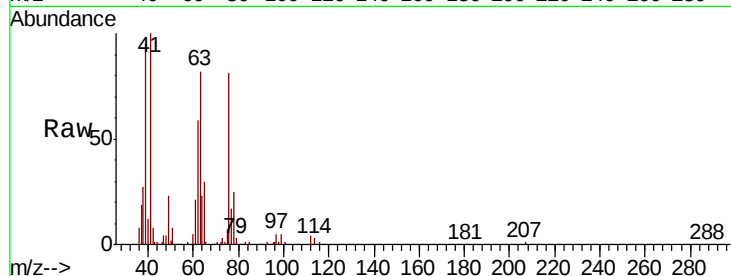
VSTDCCC050

Manual Integrations

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#46

Dibromomethane

Concen: 48.84 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

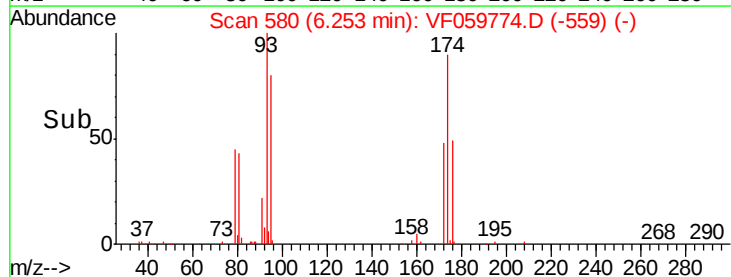
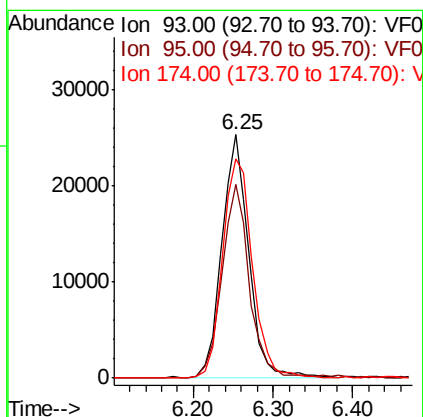
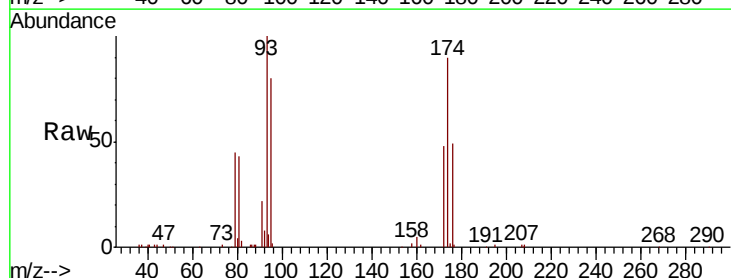
Tgt Ion: 93 Resp: 60420

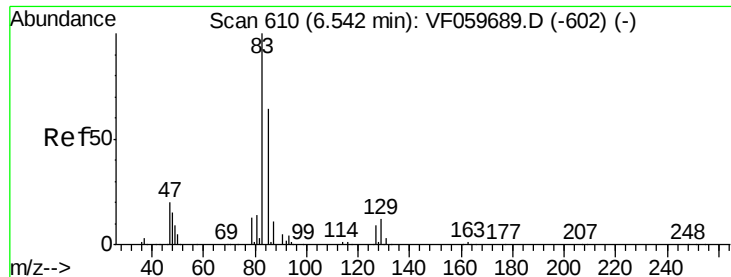
Ion Ratio Lower Upper

93 100

95 81.6 57.1 85.7

174 89.8 74.8 112.2





#47

Bromodichloromethane

Concen: 50.61 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

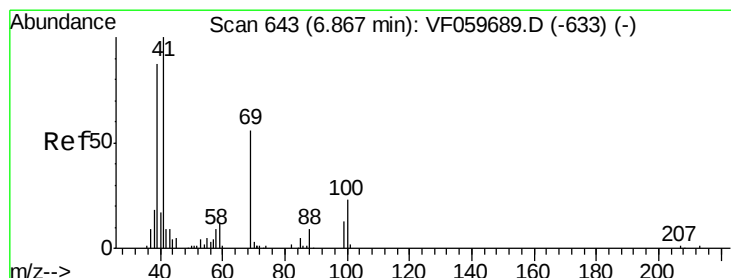
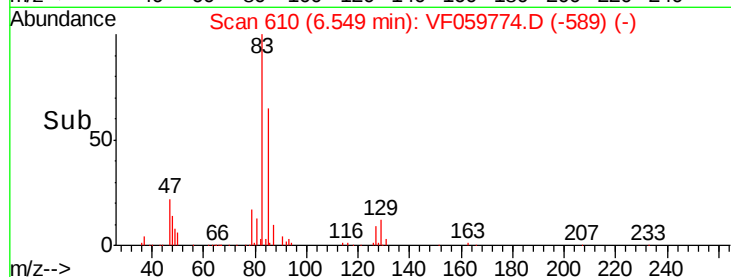
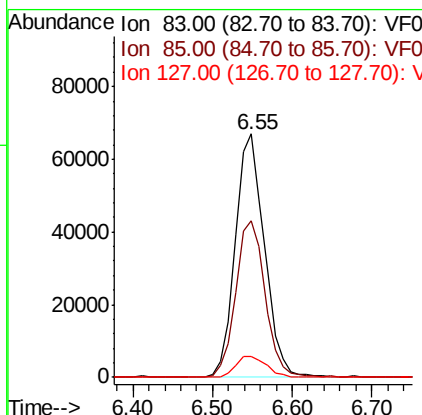
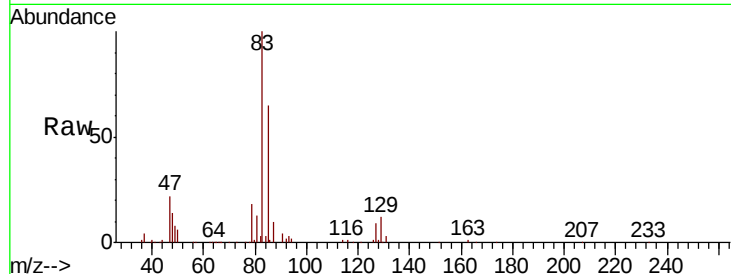
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	170519
Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.0	76.6
127	8.8	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.13 ug/l

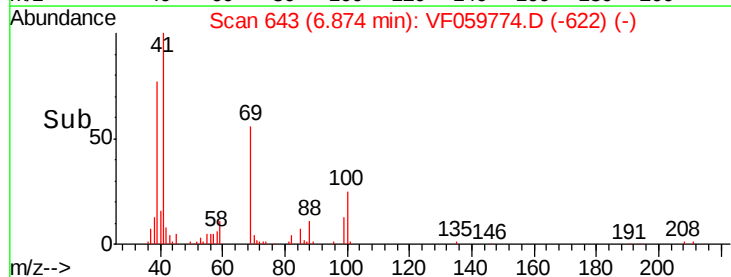
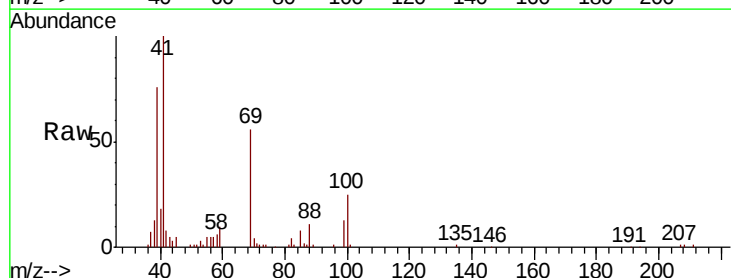
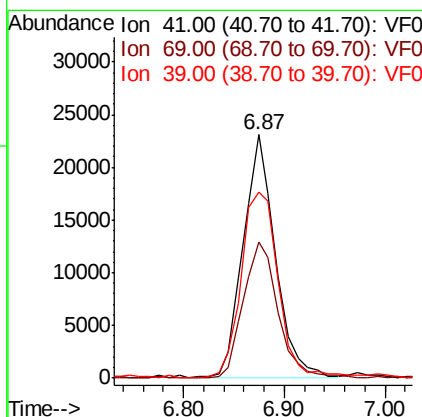
RT: 6.87 min Scan# 643

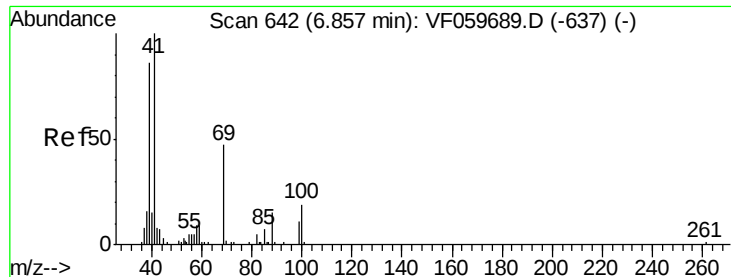
Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Tgt Ion:	41	Resp:	51791
Ion	Ratio	Lower	Upper
41	100		
69	55.9	44.4	66.6
39	76.4	69.4	104.2





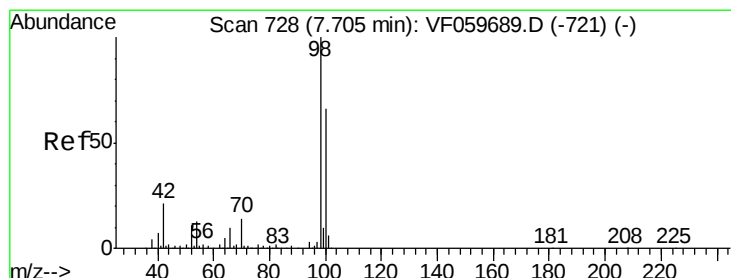
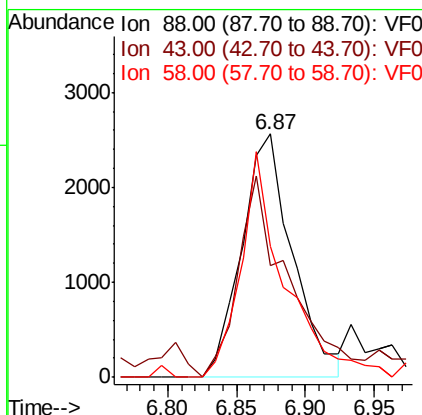
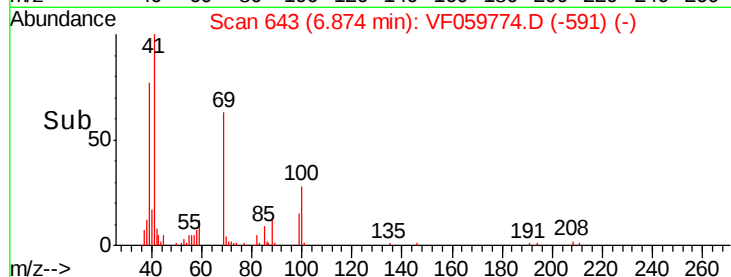
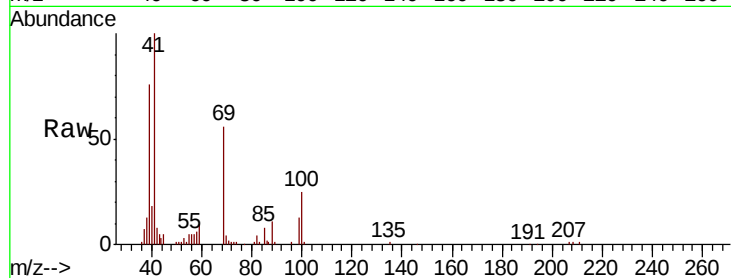
#49
1,4-Dioxane
Concen: 933.45 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.02 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.7	45.2	67.8
58	54.0	49.0	73.6

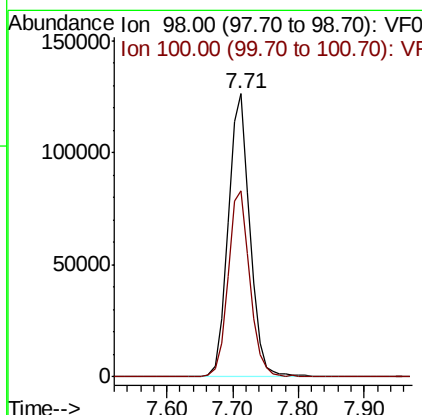
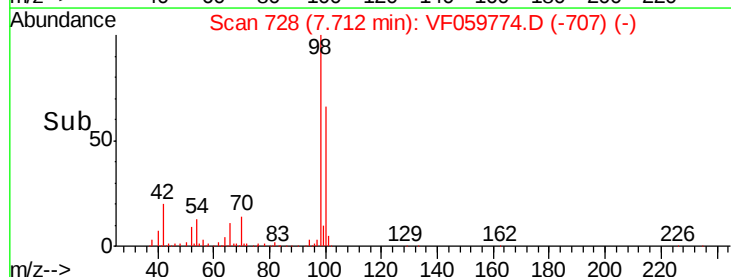
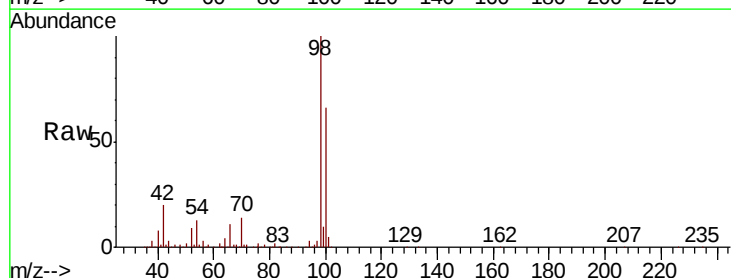
Manual Integrations
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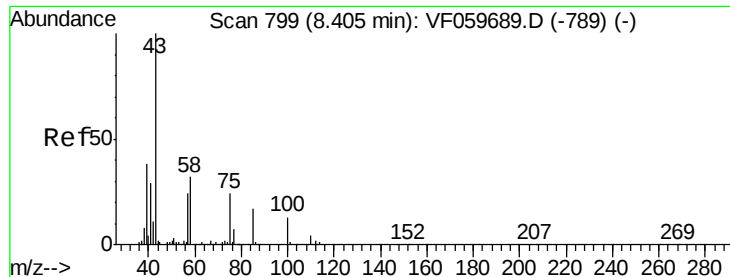
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#50
Toluene-d8
Concen: 49.35 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 256.62 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 285220

Ion Ratio Lower Upper

43 100

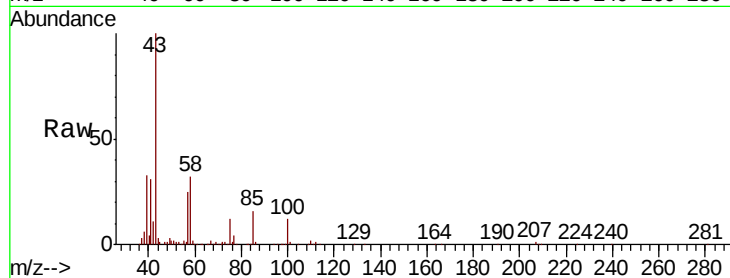
58 31.9 25.9 38.9

Manual Integrations

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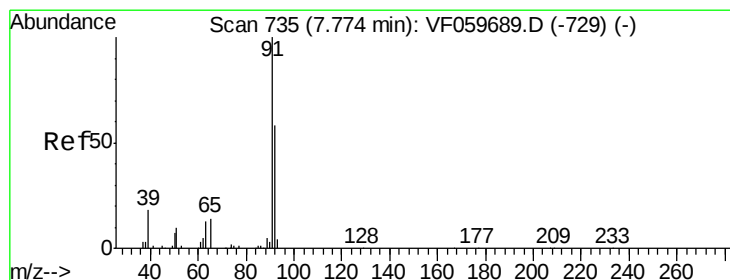
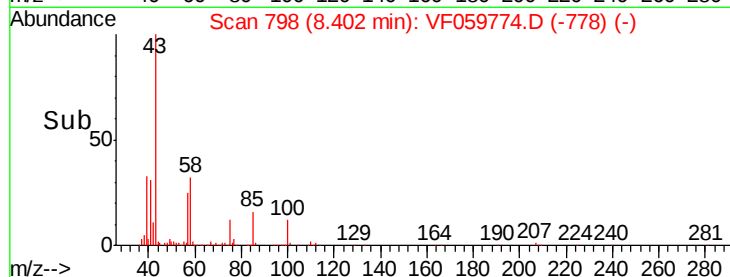
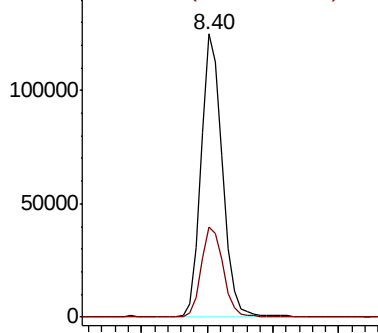
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 51.82 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF059774.D

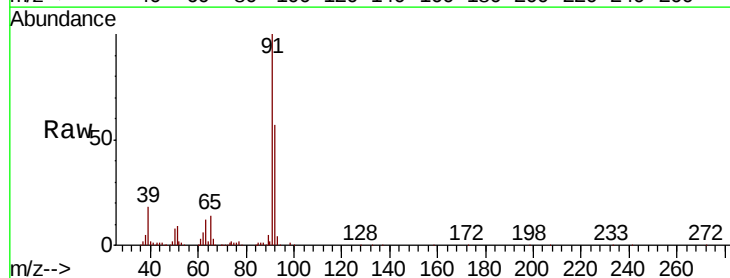
Acq: 2 Aug 2018 00:45

Tgt Ion: 92 Resp: 169916

Ion Ratio Lower Upper

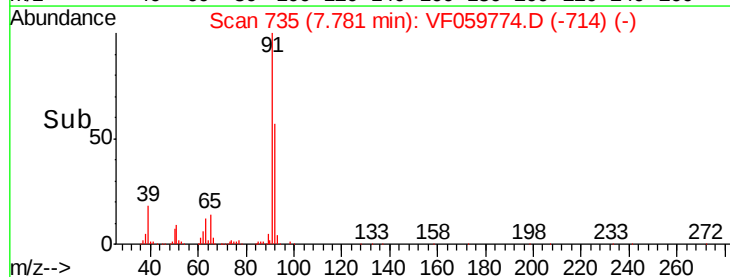
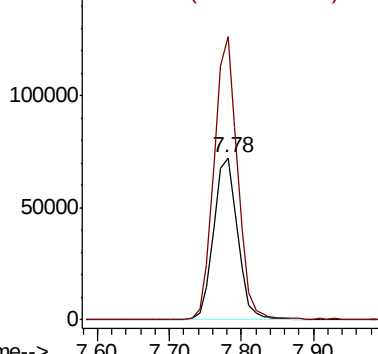
92 100

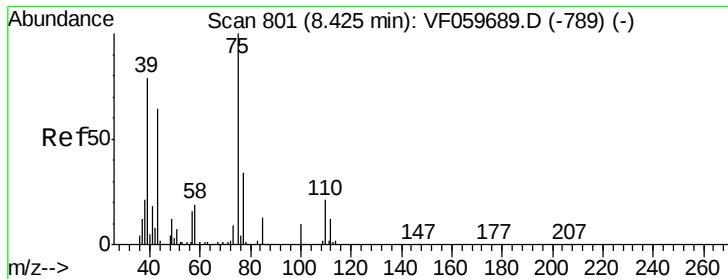
91 174.8 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 47.26 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Tot Ion: 75 Resp: 138169

Ion Ratio Lower Upper

75 100

77 32.7 27.0 40.4

Instrument :

MSVOA_F

ClientSampleId :

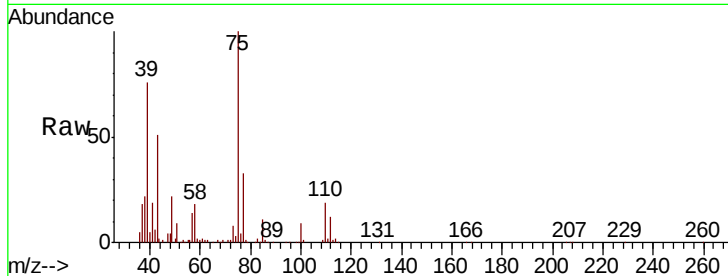
VSTDCCC050

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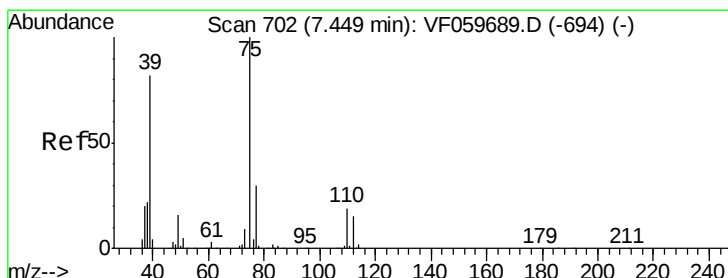
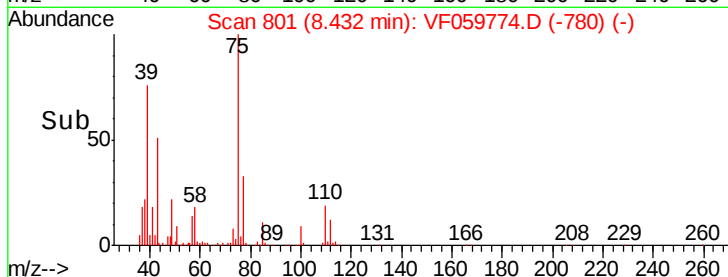
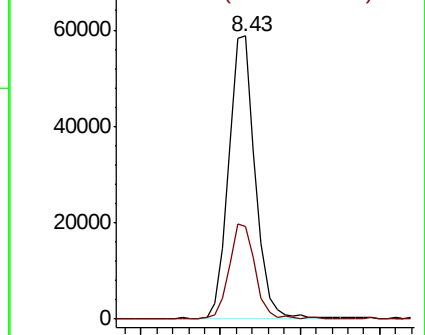
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 47.66 ug/l

RT: 7.46 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

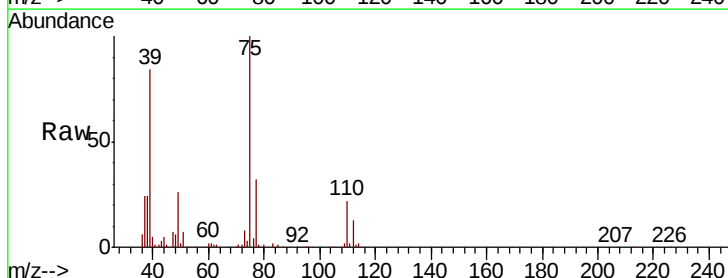
Tgt Ion: 75 Resp: 134956

Ion Ratio Lower Upper

75 100

77 32.1 24.0 36.0

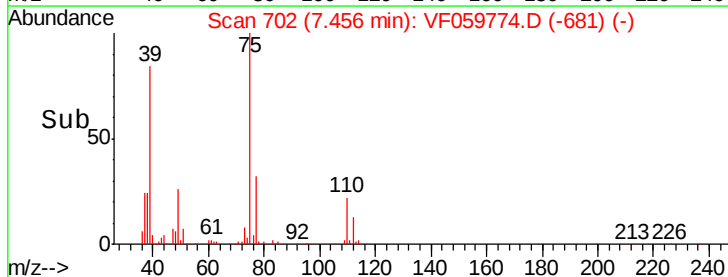
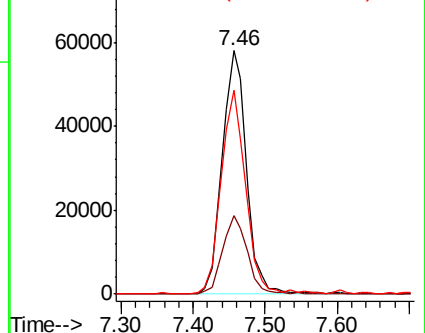
39 84.0 65.4 98.2



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





#55

1,1,2-Trichloroethane

Concen: 49.60 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

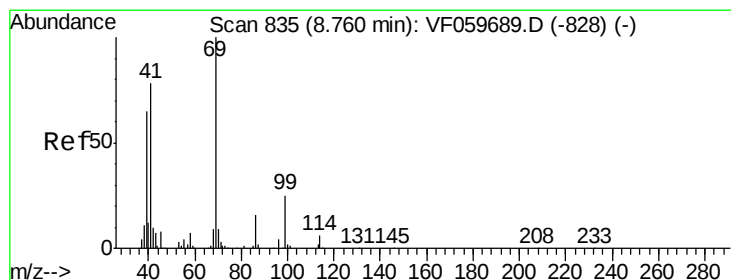
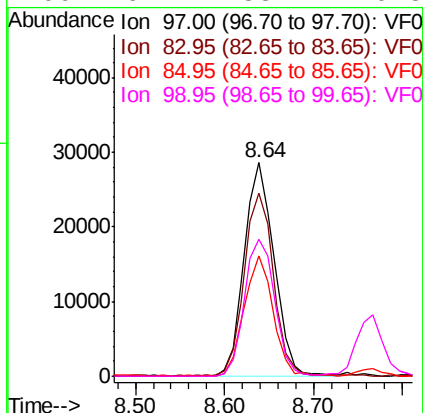
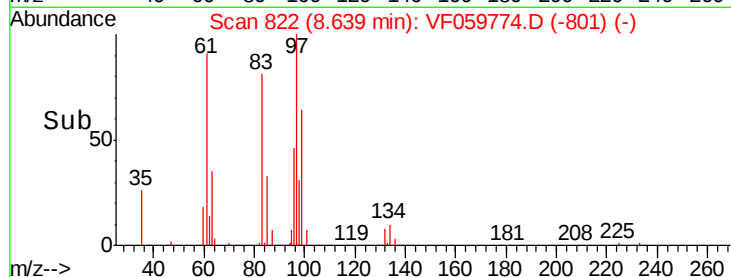
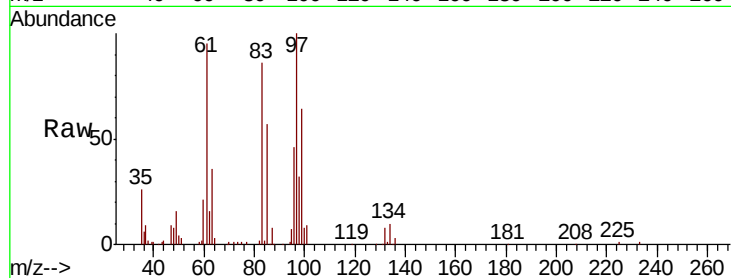
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	66291
Ion	Ratio	Lower	Upper
97	100		
83	85.7	66.6	100.0
85	56.5	47.4	71.0
99	64.1	53.2	79.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 52.07 ug/l

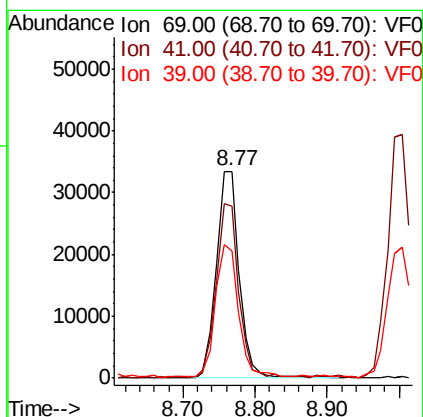
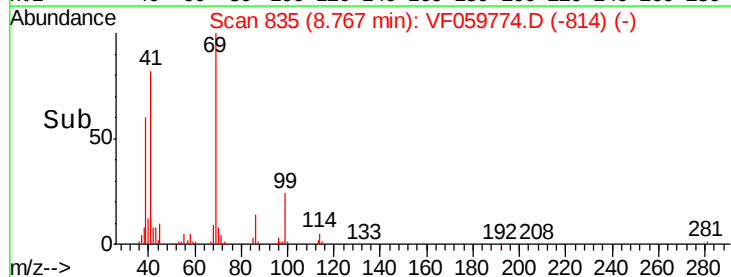
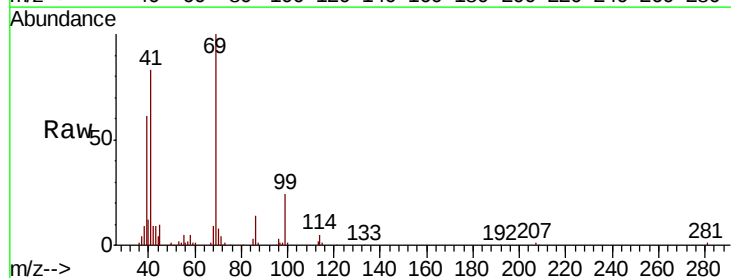
RT: 8.77 min Scan# 835

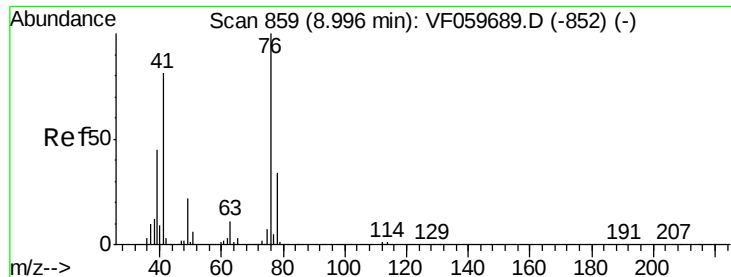
Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Tgt Ion:	69	Resp:	72571
Ion	Ratio	Lower	Upper
69	100		
41	82.8	62.3	93.5
39	61.2	52.4	78.6





#57

1,3-Dichloropropane

Concen: 47.83 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 109668

Ion Ratio Lower Upper

76 100

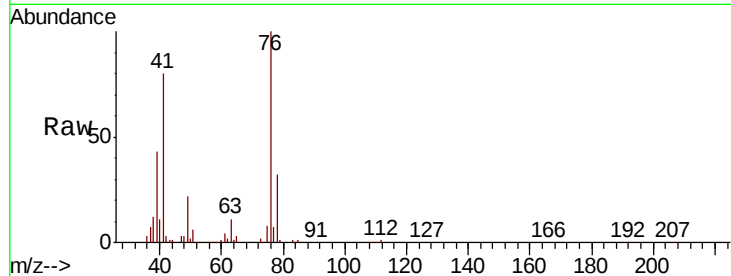
78 32.1 27.2 40.8

Manual Integrations

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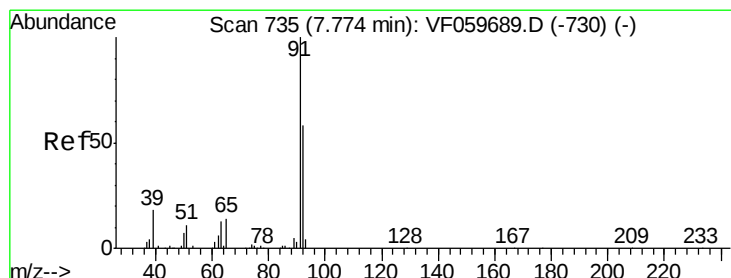
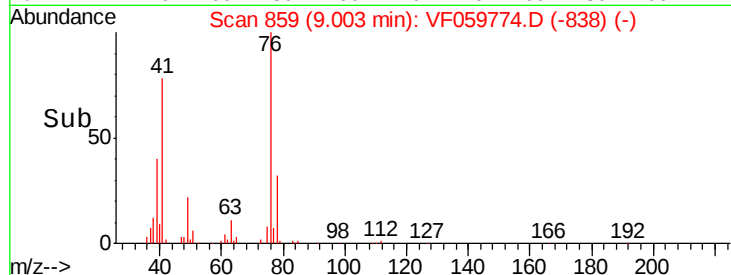
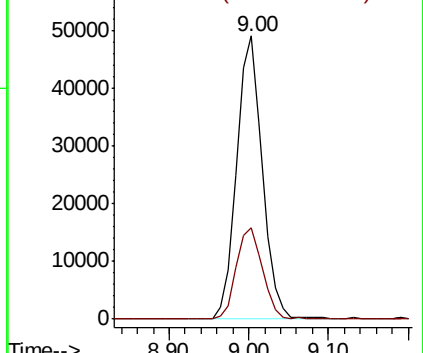
apatel

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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: 245.65 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059774.D

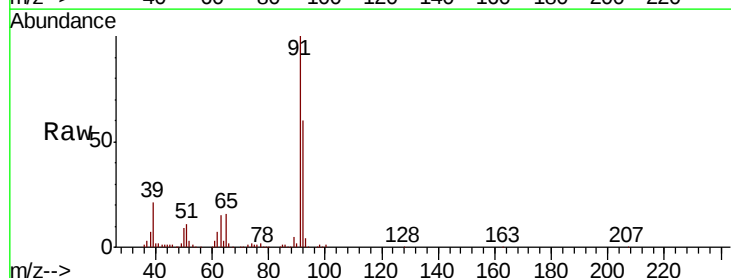
Acq: 2 Aug 2018 00:45

Tgt Ion: 63 Resp: 39529

Ion Ratio Lower Upper

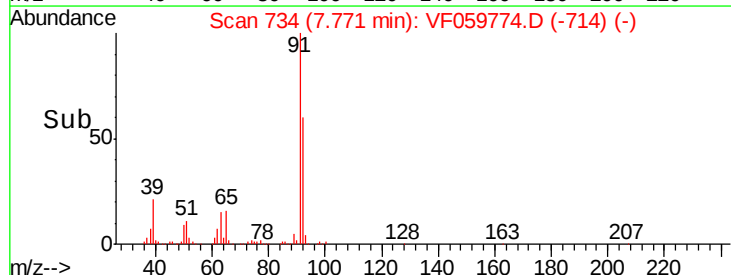
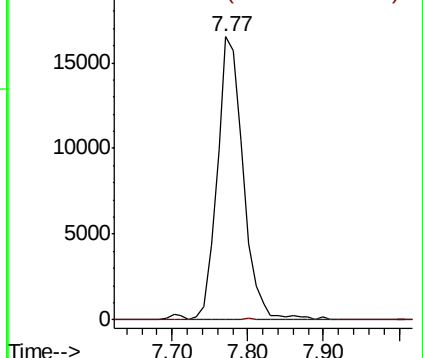
63 100

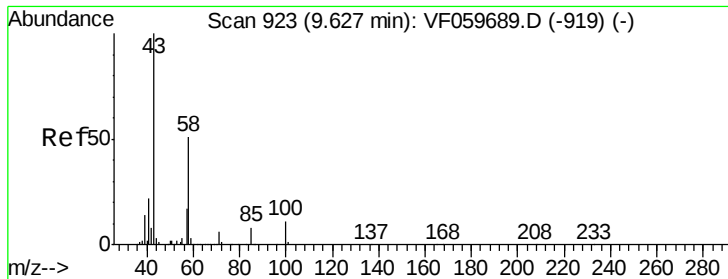
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 231.28 ug/l

RT: 9.63 min Scan# 923

Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 205990

Ion Ratio Lower Upper

43 100

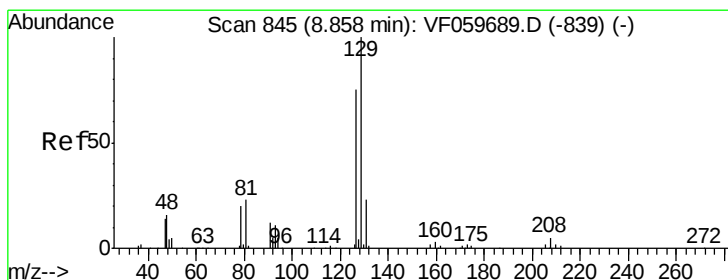
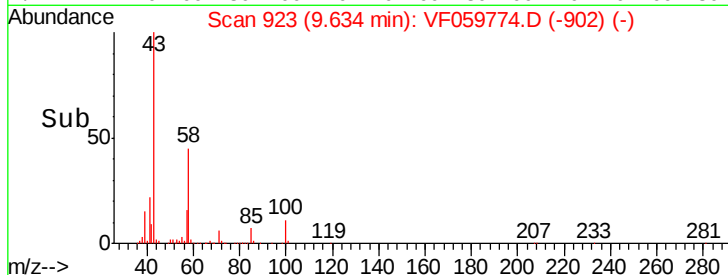
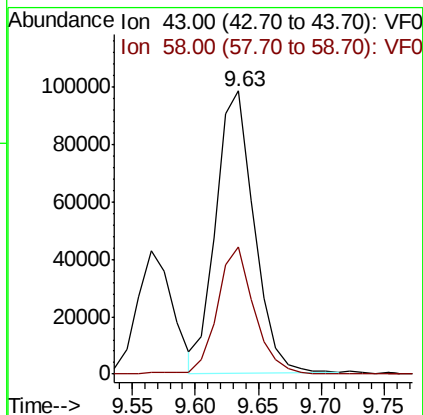
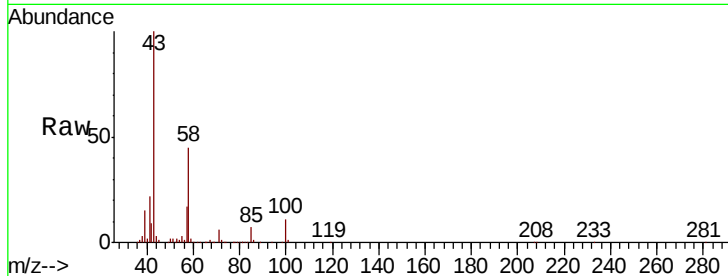
58 45.0 23.3 69.8

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#60

Dibromochloromethane

Concen: 51.76 ug/l

RT: 8.87 min Scan# 845

Delta R.T. 0.01 min

Lab File: VF059774.D

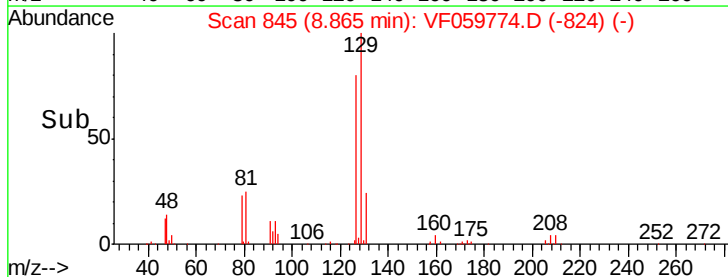
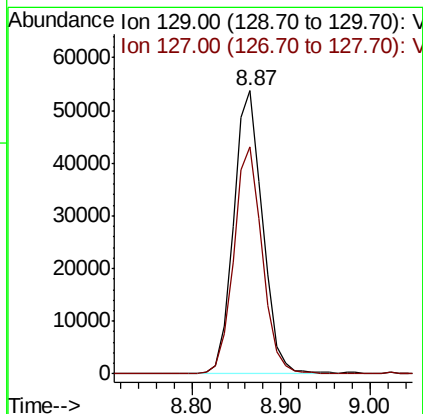
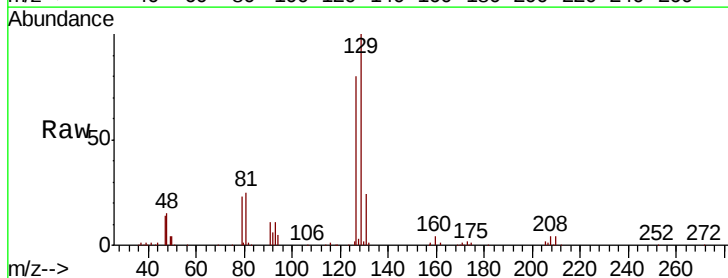
Acq: 2 Aug 2018 00:45

Tgt Ion: 129 Resp: 122058

Ion Ratio Lower Upper

129 100

127 80.1 37.7 113.1





#61

1,2-Dibromoethane

Concen: 51.56 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 80468

Ion Ratio Lower Upper

107 100

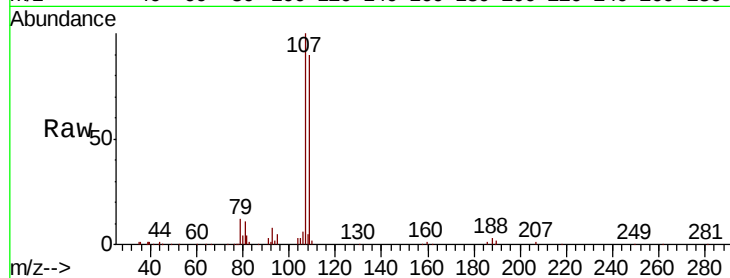
109 90.4 73.6 110.4

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

9.14

40000

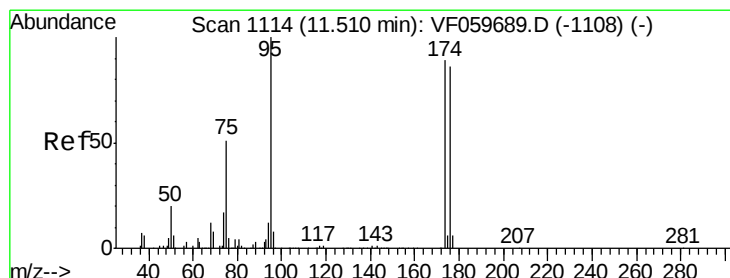
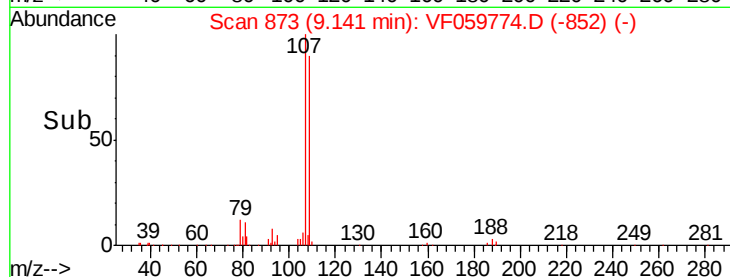
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.56 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

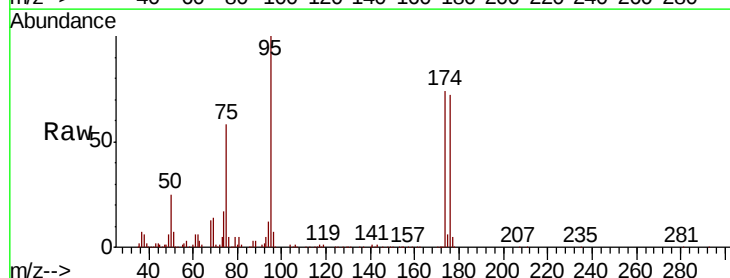
Tgt Ion: 95 Resp: 162390

Ion Ratio Lower Upper

95 100

174 73.7 0.0 178.4

176 71.8 0.0 173.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

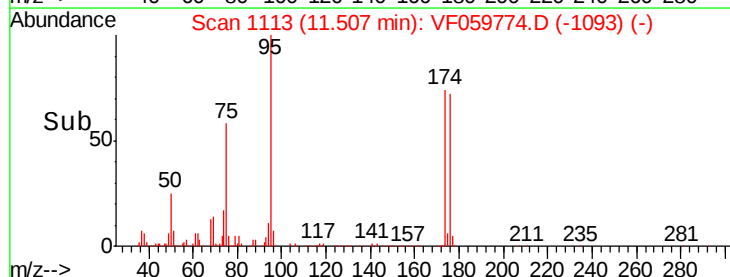
11.51

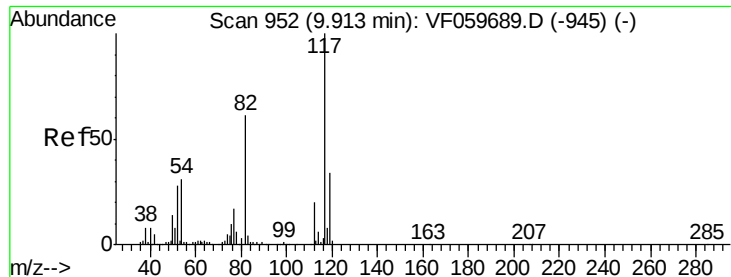
100000

50000

0

Time-->





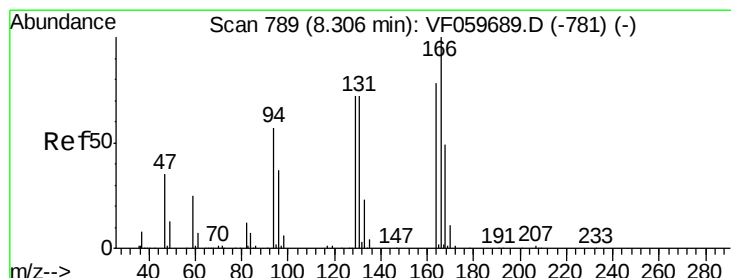
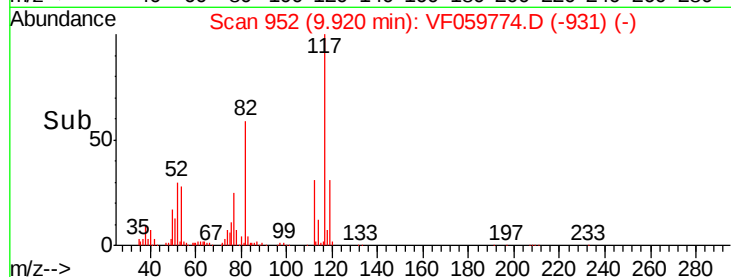
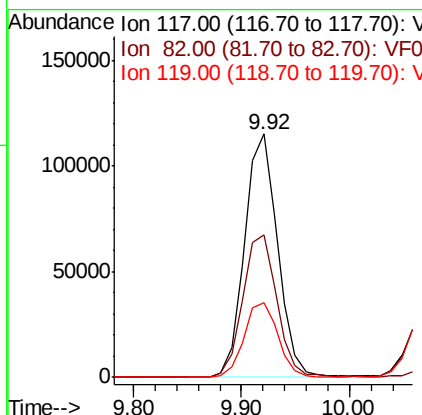
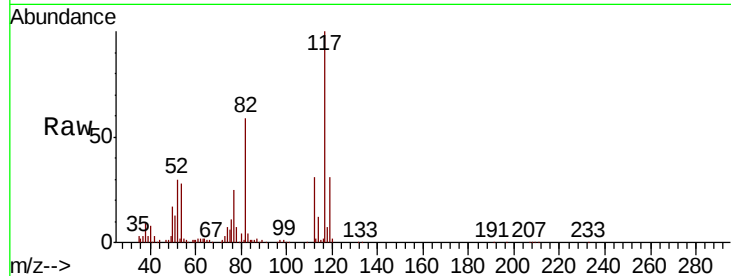
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	49.0	73.4
119	30.5	27.3	40.9

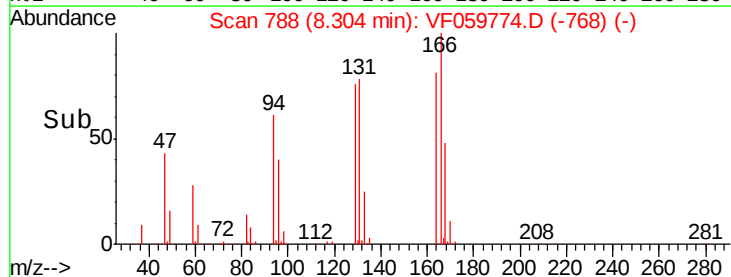
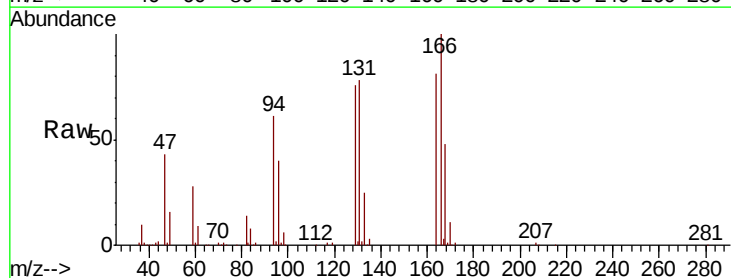
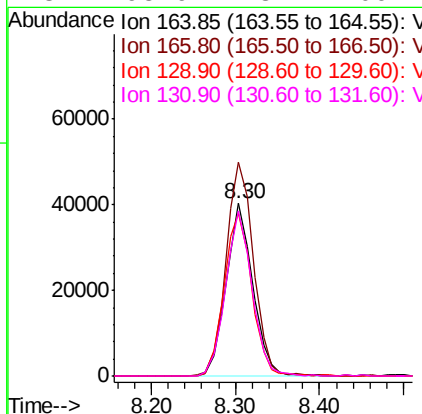
Manual Integrations
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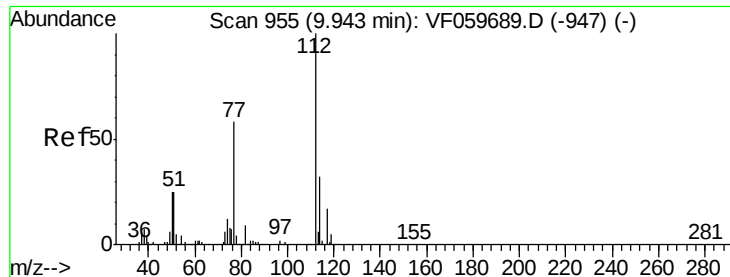
apatel
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#64
Tetrachloroethene
Concen: 53.57 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	102.1	153.1
129	94.3	73.8	110.6
131	95.9	73.1	109.7





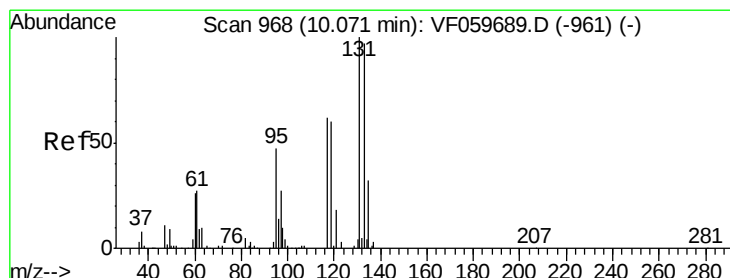
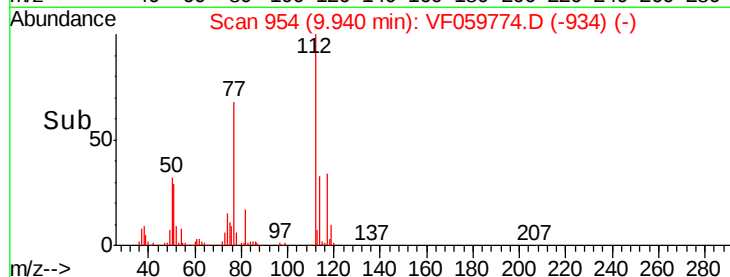
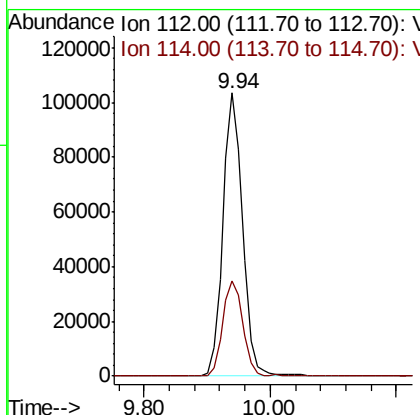
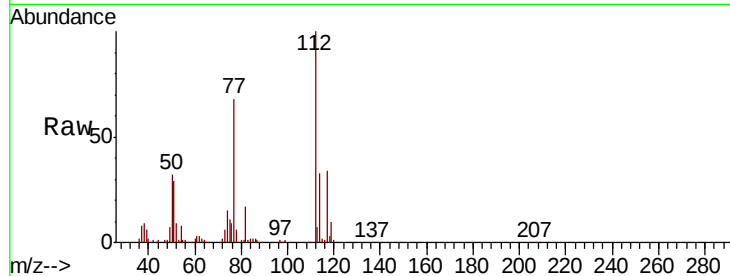
#65
Chlorobenzene
Concen: 45.67 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	25.6	38.4

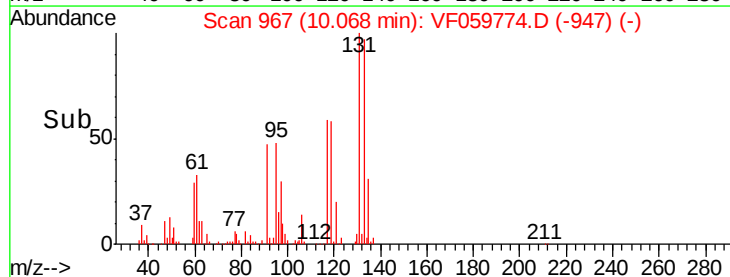
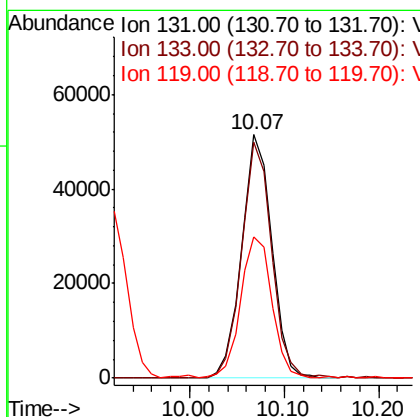
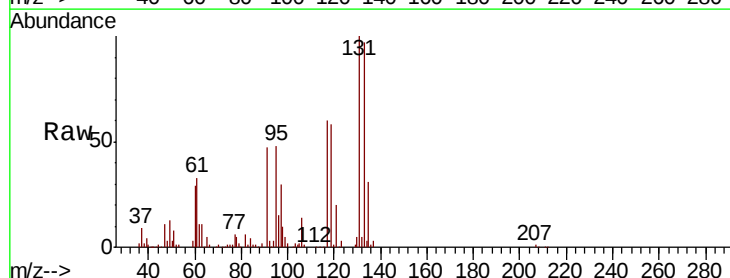
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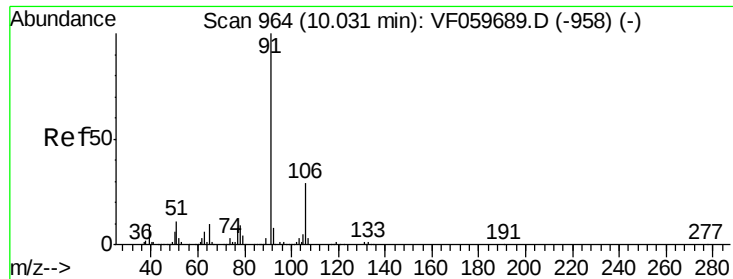
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.87 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.5	145.5
119	58.2	30.3	90.8





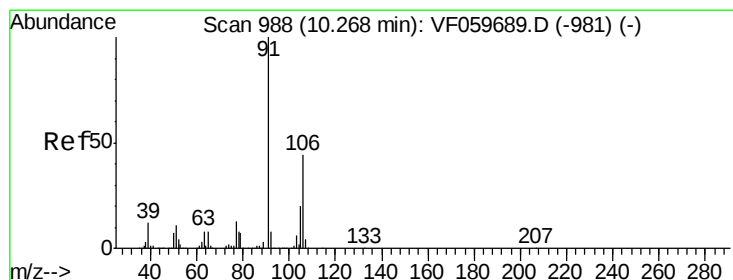
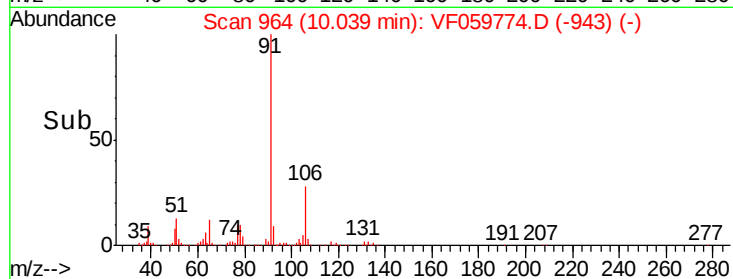
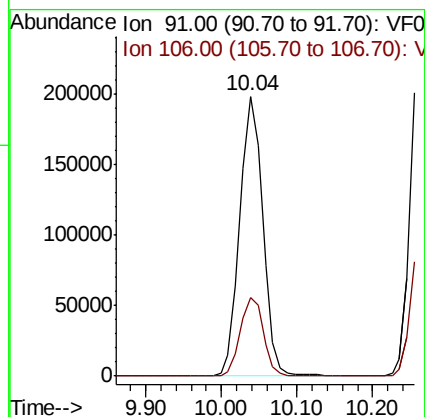
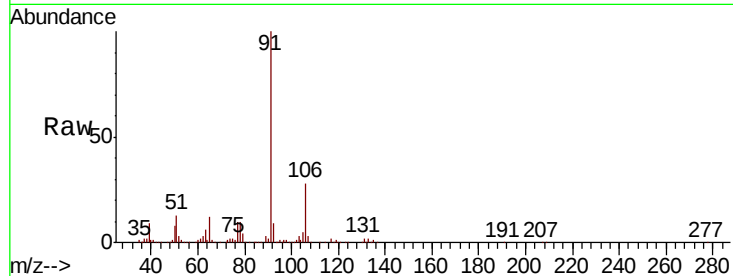
#67
Ethyl Benzene
Concen: 49.24 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 418417
Ion Ratio Lower Upper
91 100
106 28.3 22.9 34.3

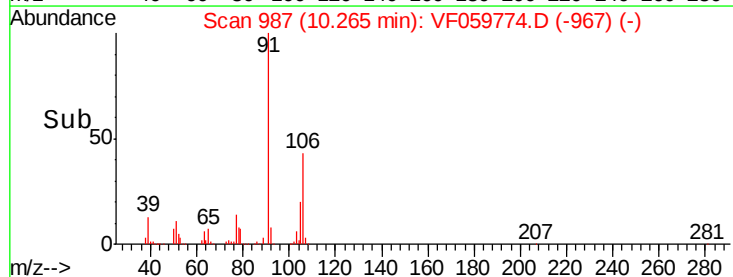
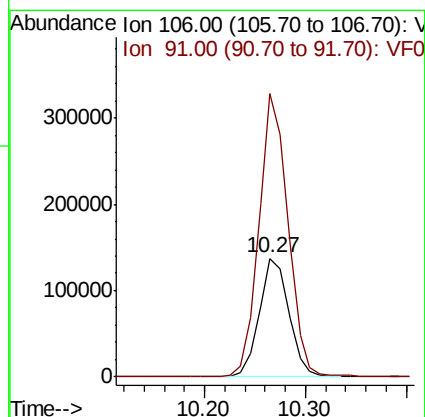
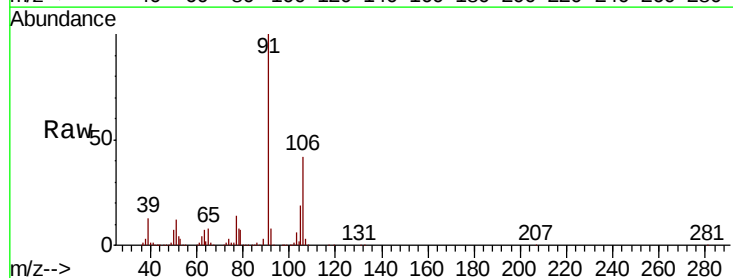
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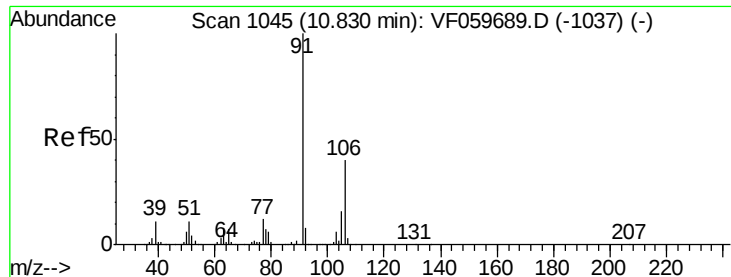
apatel
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#68
m/p-Xylenes
Concen: 106.25 ug/l
RT: 10.27 min Scan# 987
Delta R.T. -0.00 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Tgt Ion: 106 Resp: 280542
Ion Ratio Lower Upper
106 100
91 239.2 181.7 272.5





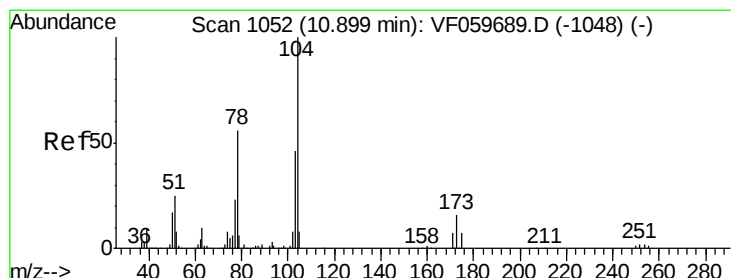
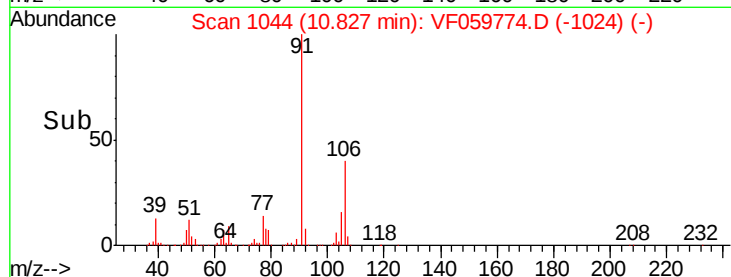
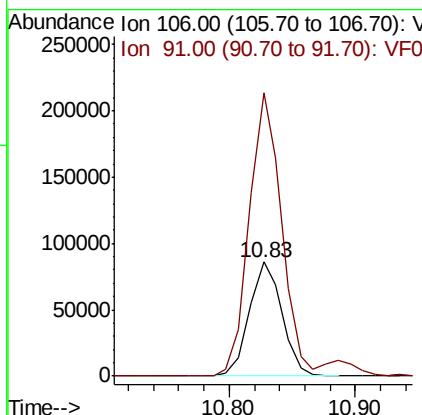
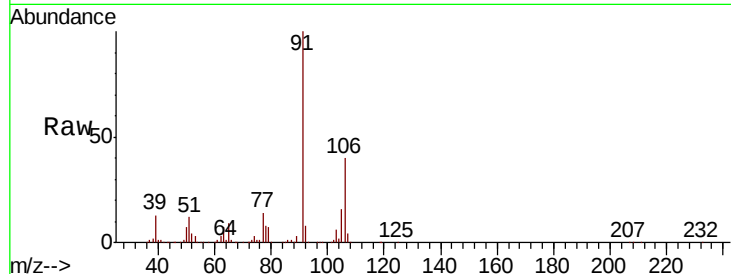
#69
o-Xylene
Concen: 49.35 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 154513
Ion Ratio Lower Upper
106 100
91 248.6 124.6 373.7

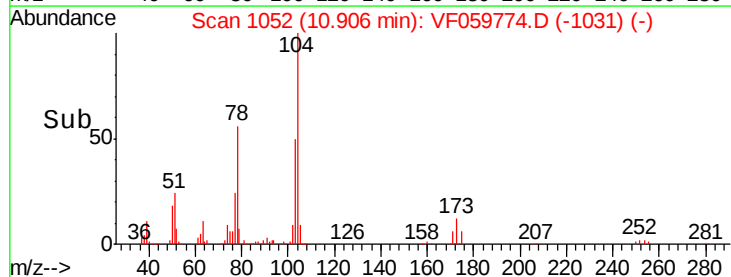
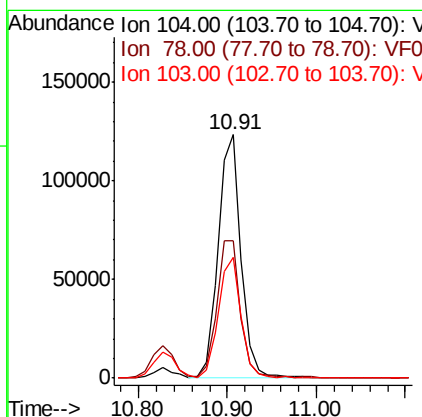
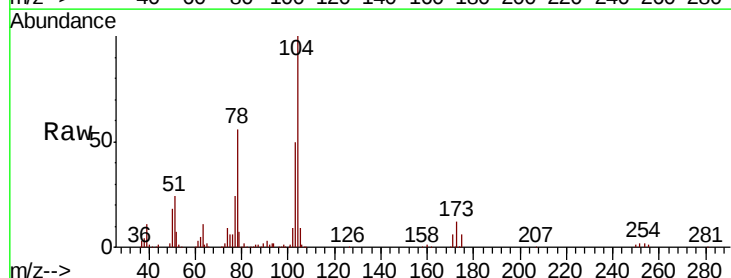
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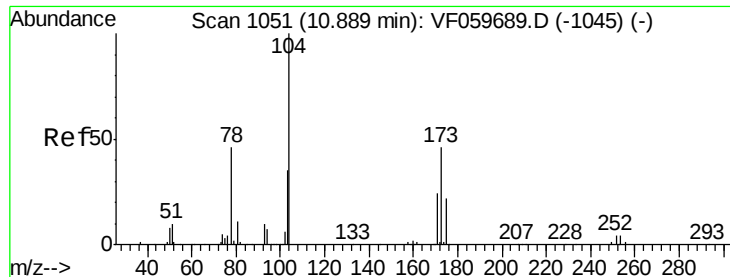
apatel
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#70
Styrene
Concen: 46.63 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Tgt Ion:104 Resp: 221150
Ion Ratio Lower Upper
104 100
78 56.4 45.3 67.9
103 49.8 36.6 54.8





#71

Bromoform

Concen: 51.13 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 76385

Ion Ratio Lower Upper

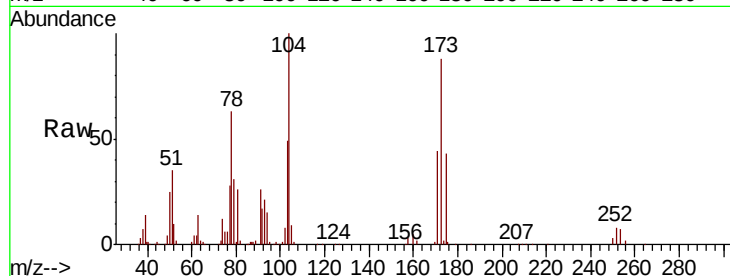
173 100

175 50.3 23.4 70.0

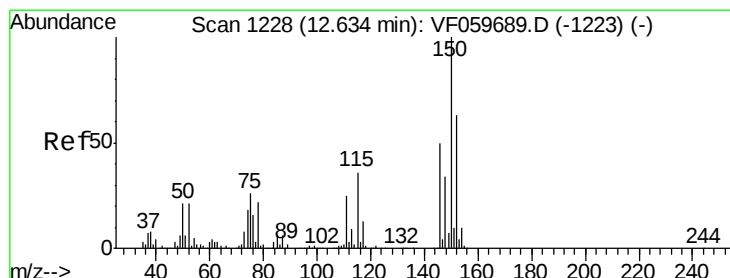
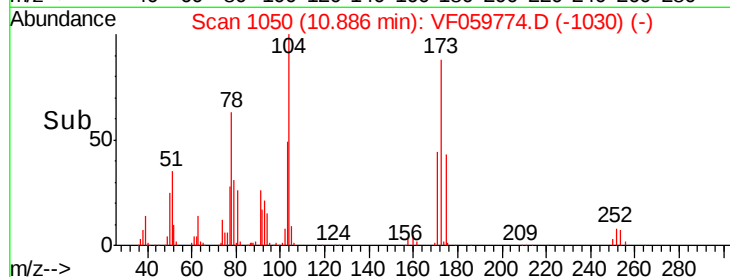
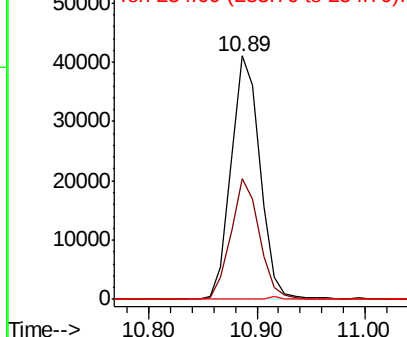
254 0.0 0.0 0.0

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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.00 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

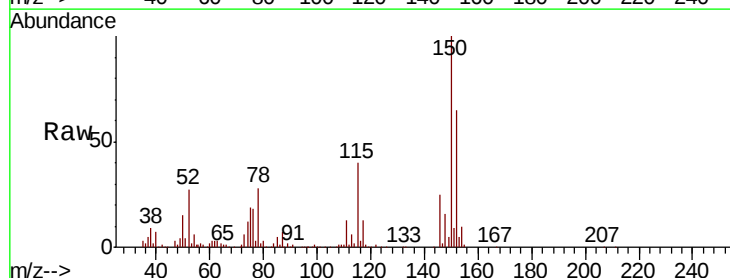
Tgt Ion:152 Resp: 158366

Ion Ratio Lower Upper

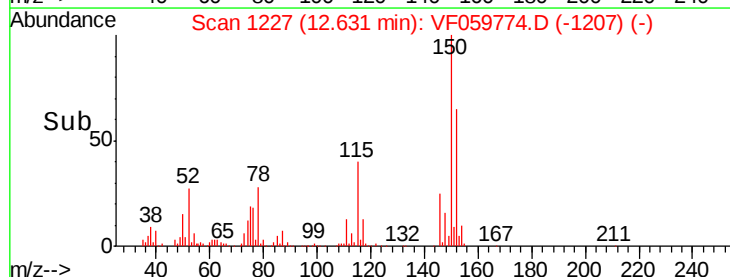
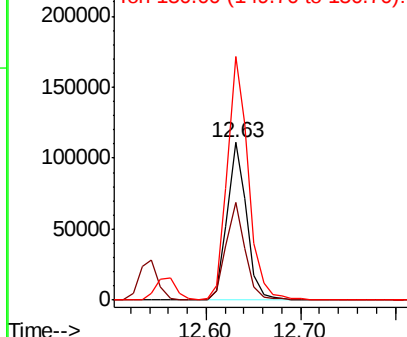
152 100

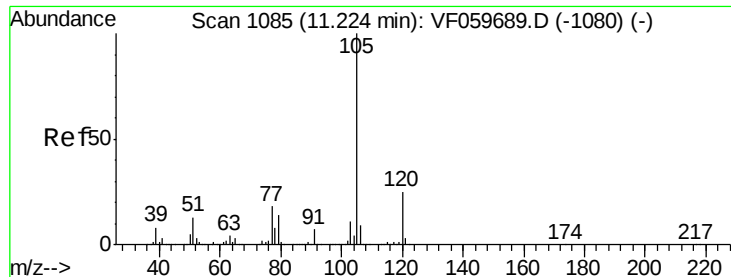
115 61.8 28.2 84.6

150 154.8 0.0 316.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 49.39 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 513173

Ion Ratio Lower Upper

105 100

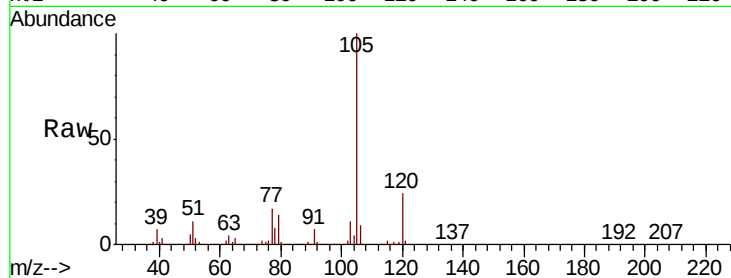
120 24.4 12.4 37.4

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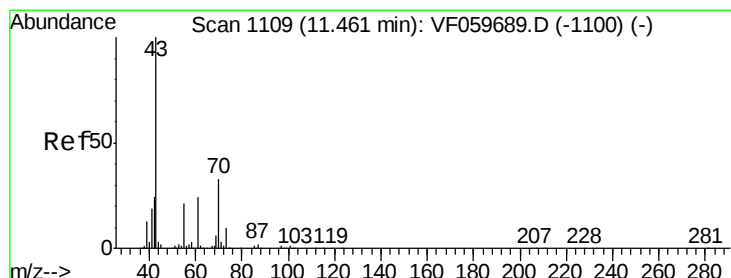
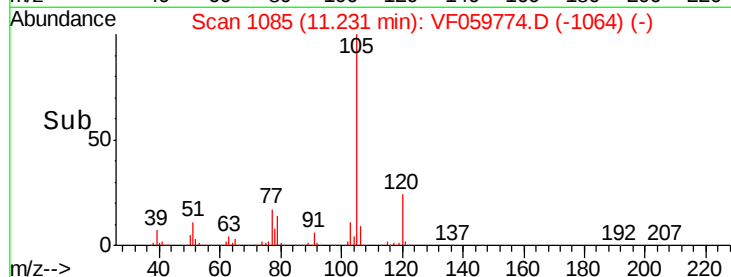
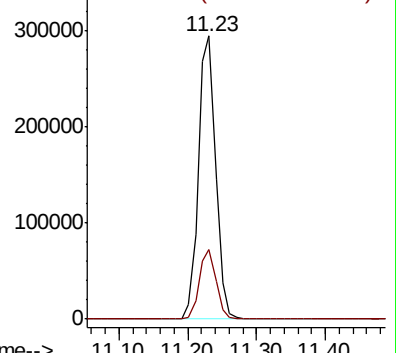
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.07 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Tgt Ion: 43 Resp: 123399

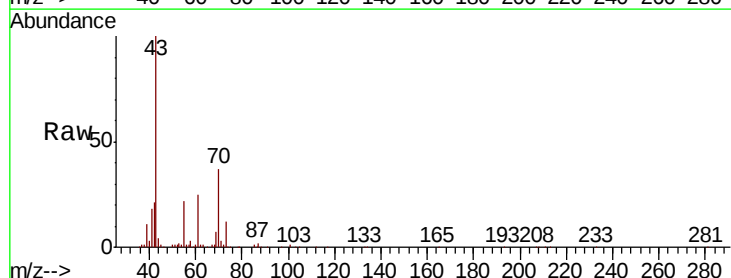
Ion Ratio Lower Upper

43 100

70 37.0 26.3 39.5

55 21.7 16.6 25.0

61 24.8 19.1 28.7

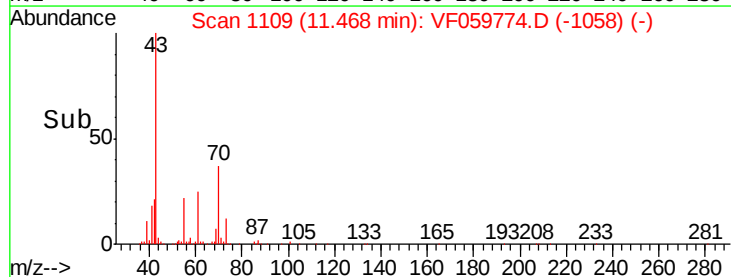
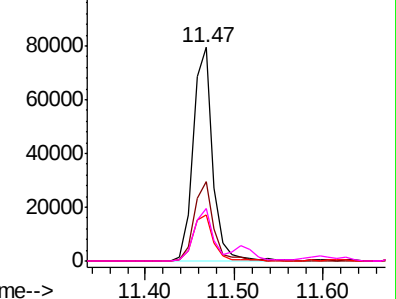


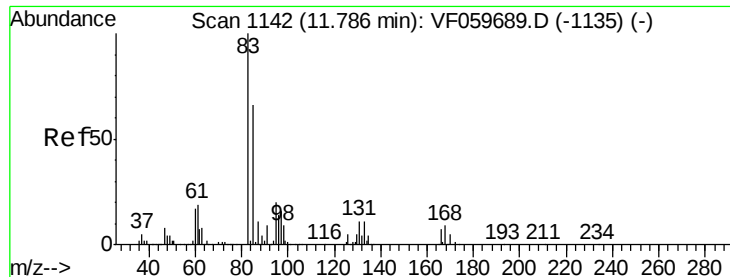
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 54.11 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

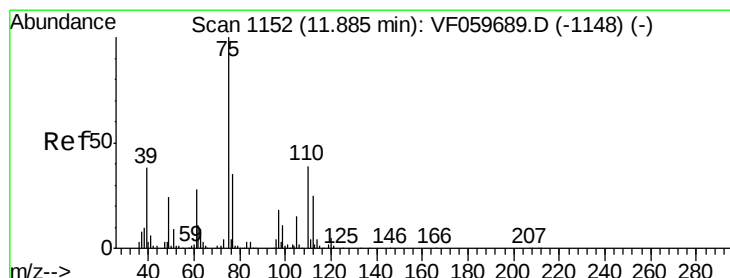
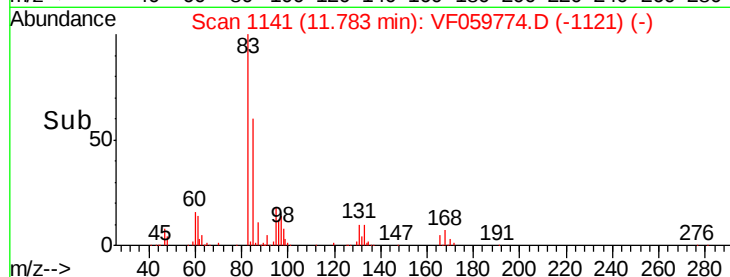
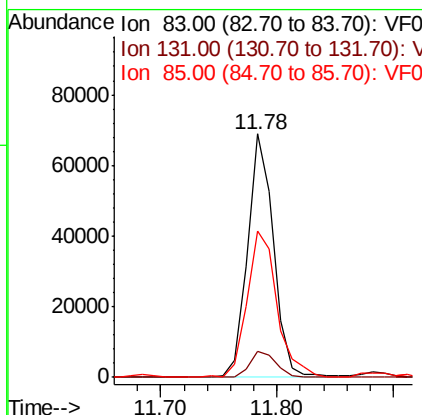
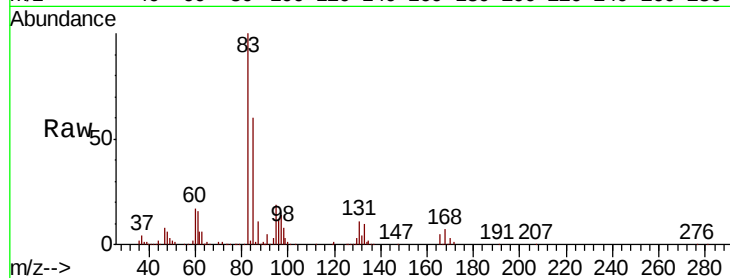
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	105848
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.8	17.3
85	59.9	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 51.64 ug/l

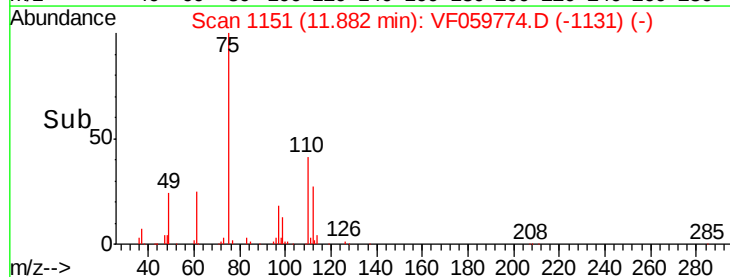
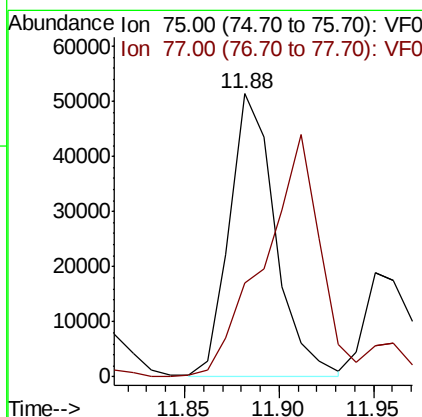
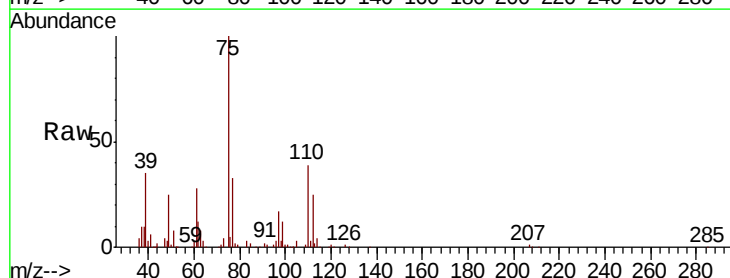
RT: 11.88 min Scan# 1151

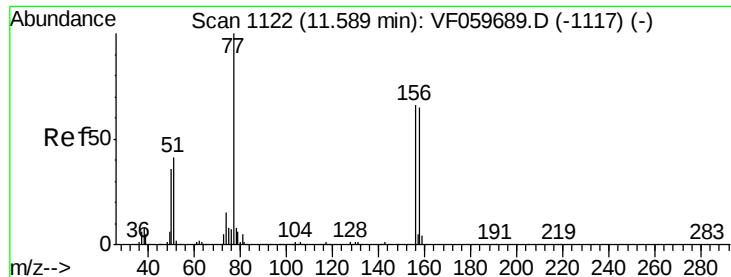
Delta R.T. -0.00 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Tgt Ion:	75	Resp:	85891
Ion Ratio	Lower	Upper	
75	100		
77	33.4	18.0	54.0





#77

Bromobenzene

Concen: 49.12 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

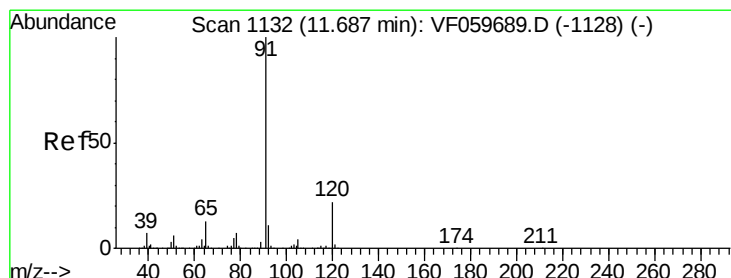
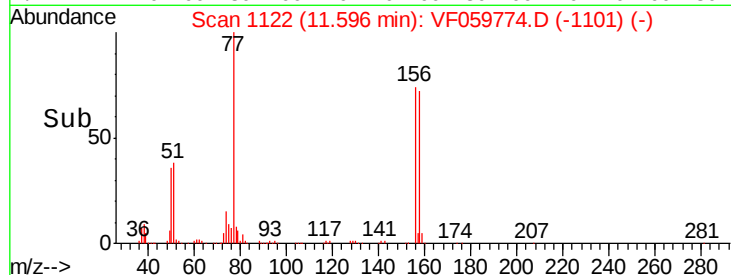
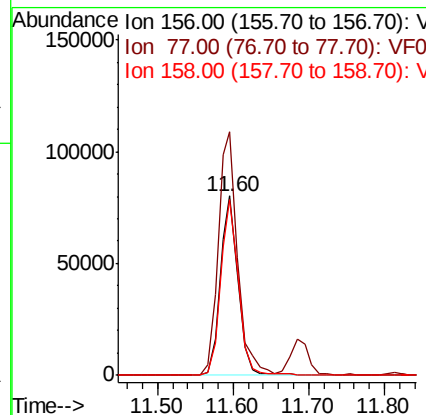
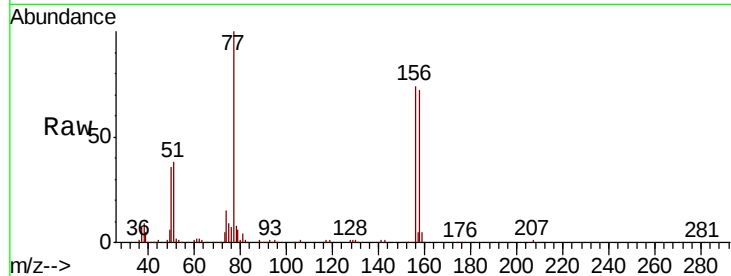
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	135.6	75.2	225.6
158	97.9	49.1	147.3

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#78

n-propylbenzene

Concen: 53.76 ug/l

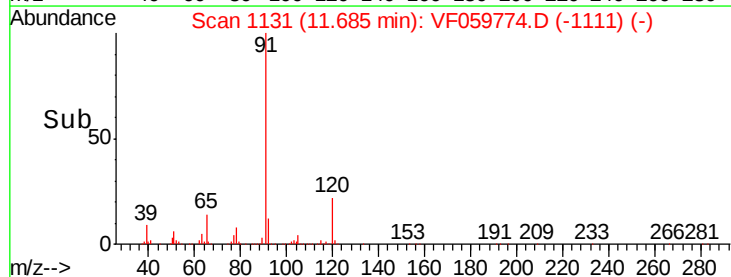
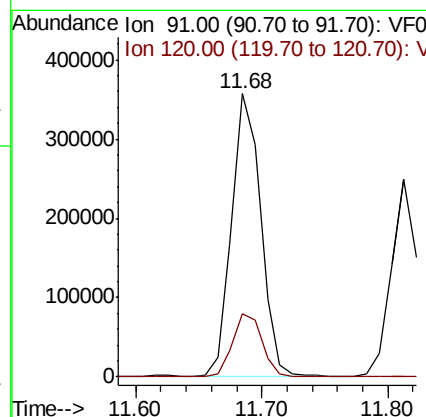
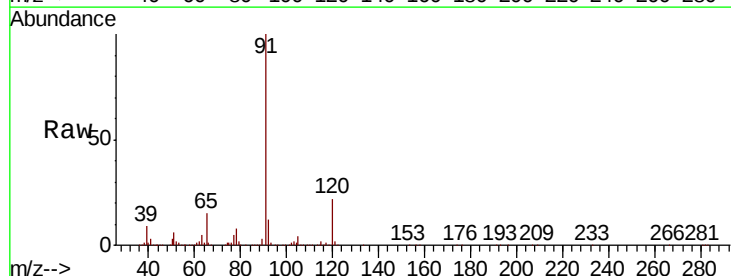
RT: 11.68 min Scan# 1131

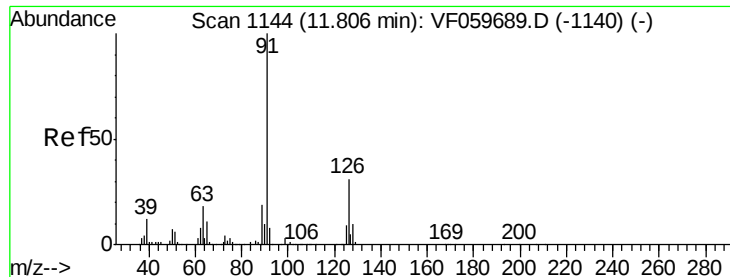
Delta R.T. -0.00 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.0	33.0





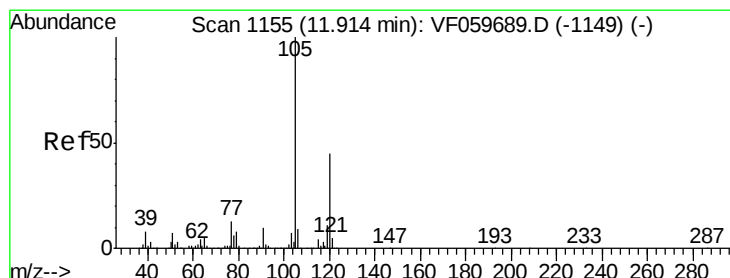
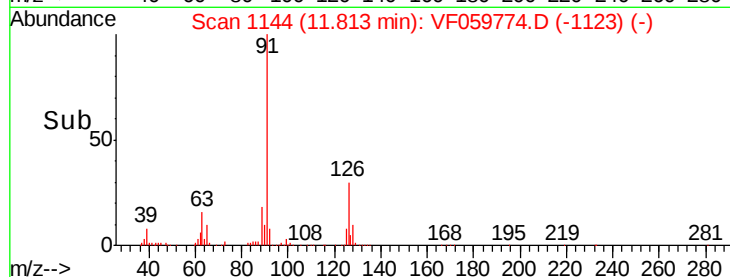
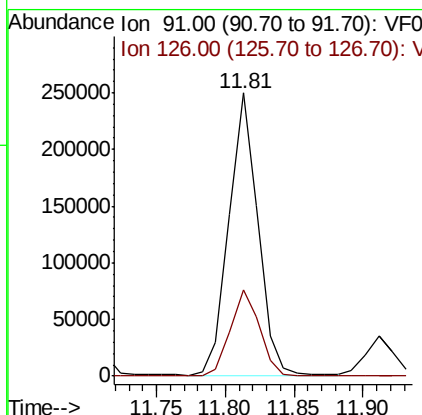
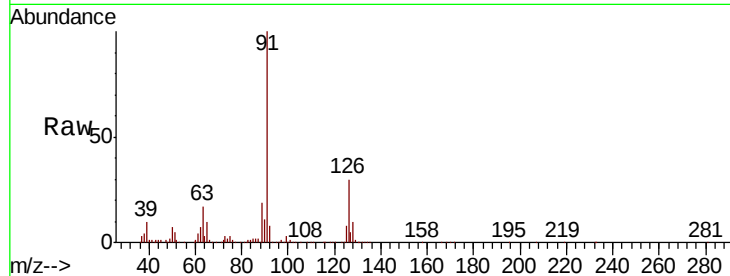
#79
 2-Chlorotoluene
 Concen: 55.04 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VF059774.D
 Acq: 2 Aug 2018 00:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.4	46.2

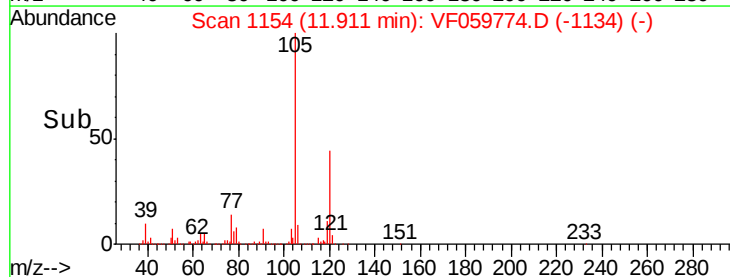
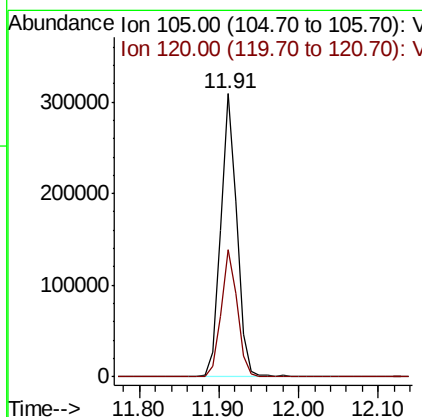
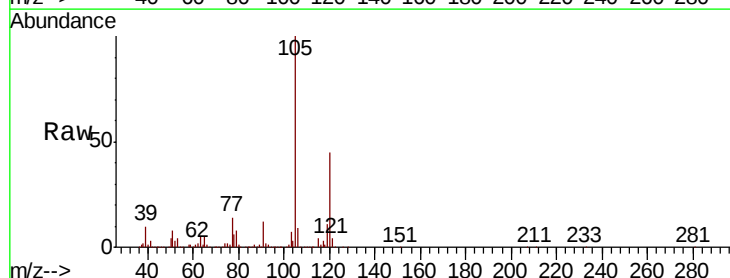
Manual Integrations
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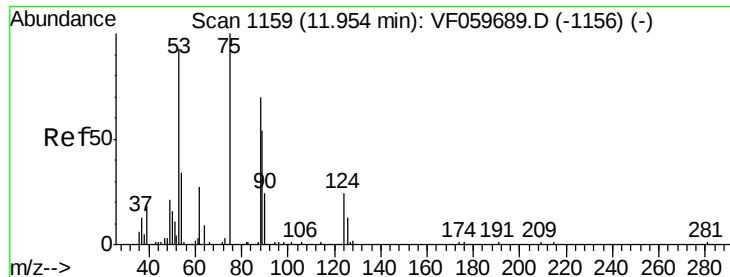
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.32 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VF059774.D
 Acq: 2 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.7	68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 51.13 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

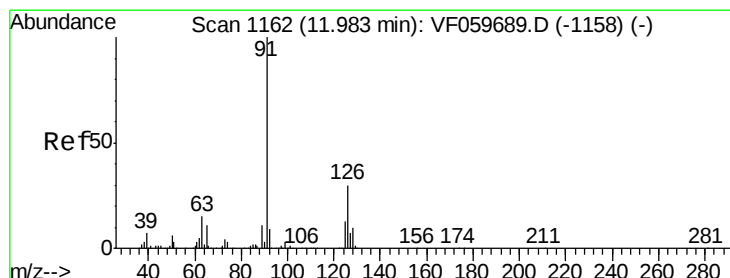
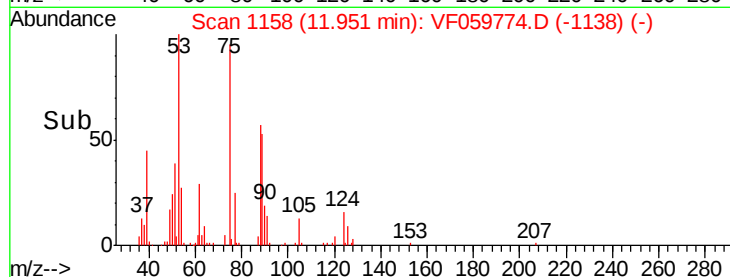
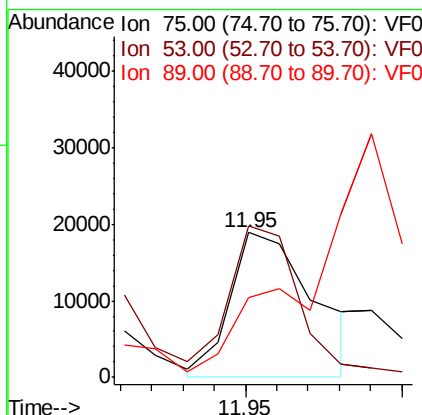
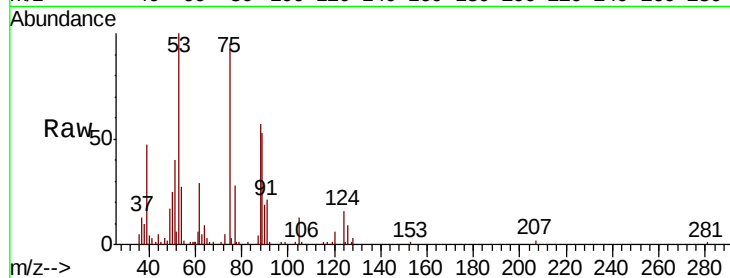
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	35217
Ion Ratio	Lower	Upper	
75	100		
53	104.9	78.3	117.5
89	55.4	45.4	68.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 54.16 ug/l

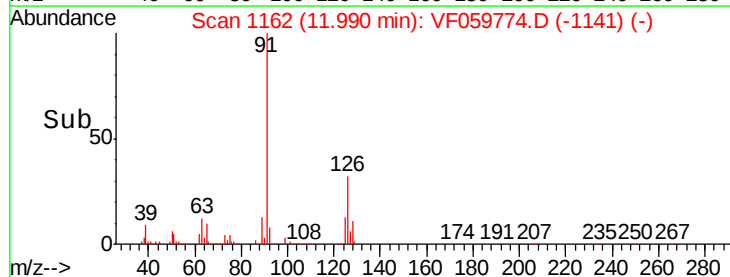
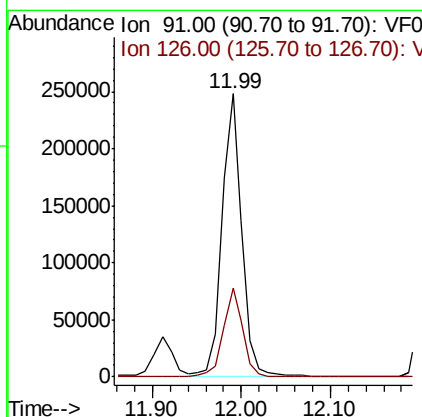
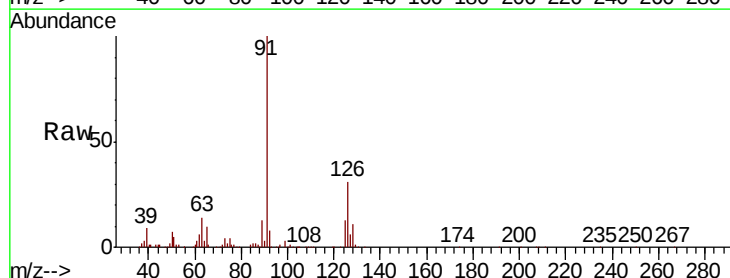
RT: 11.99 min Scan# 1162

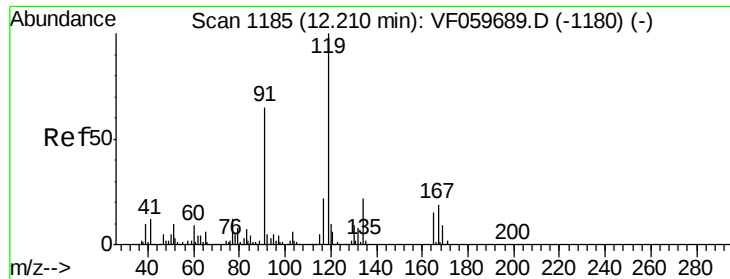
Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Tgt Ion:	91	Resp:	385424
Ion Ratio	Lower	Upper	
91	100		
126	31.2	15.2	45.6





#83

tert-Butylbenzene

Concen: 49.39 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

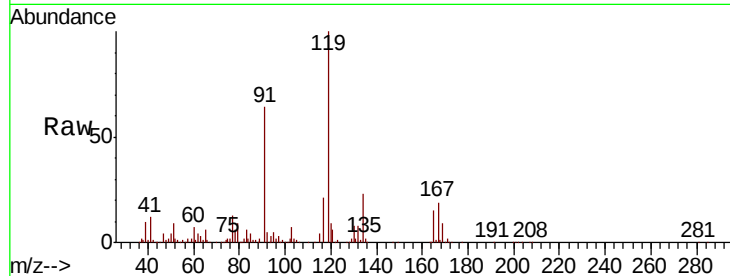
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	460714
Ion Ratio	Lower	Upper	
119	100		
91	63.7	32.8	98.4
134	22.7	10.9	32.7

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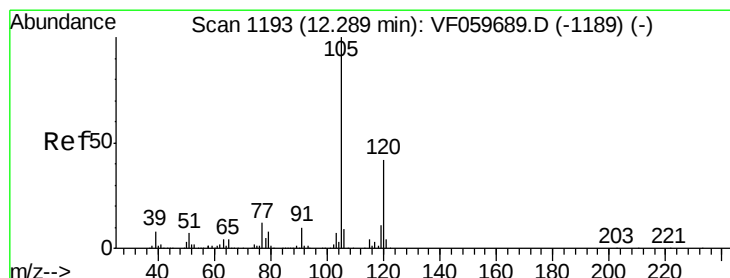
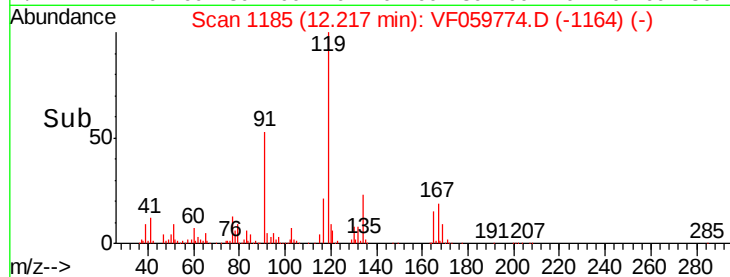
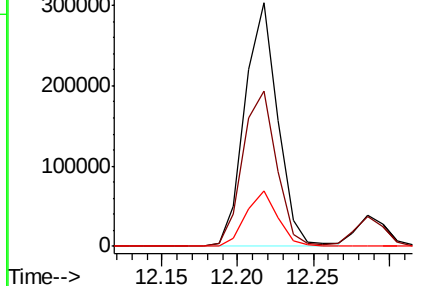
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 55.87 ug/l

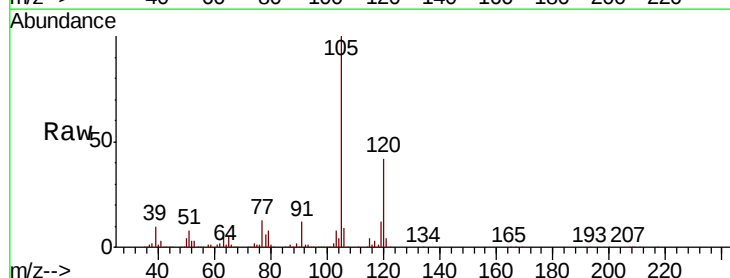
RT: 12.29 min Scan# 1192

Delta R.T. -0.00 min

Lab File: VF059774.D

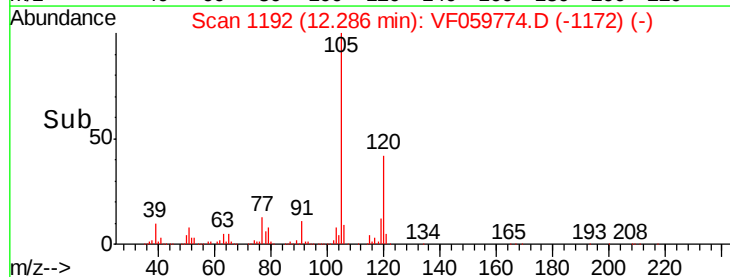
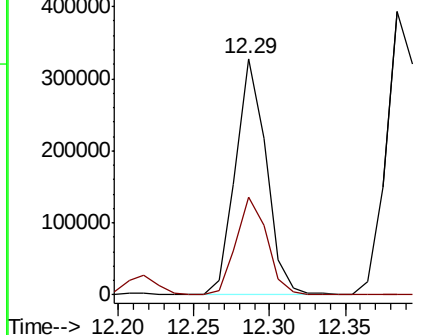
Acq: 2 Aug 2018 00:45

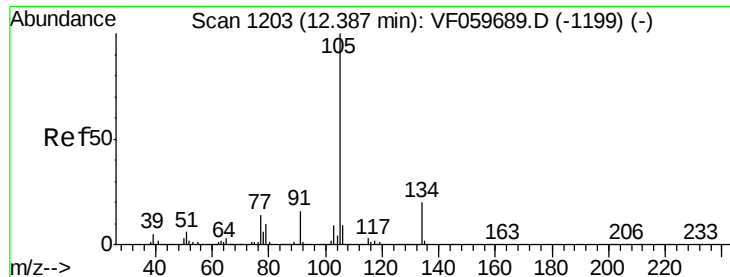
Tgt Ion:	105	Resp:	462842
Ion Ratio	Lower	Upper	
105	100		
120	41.6	21.1	63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





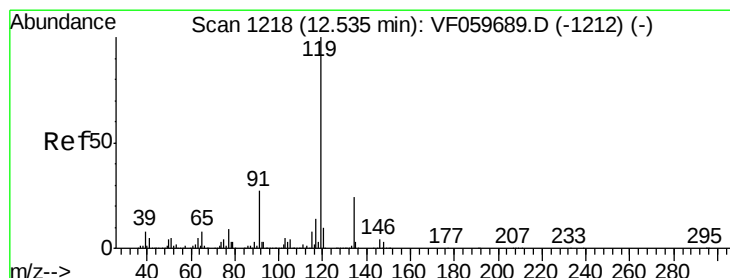
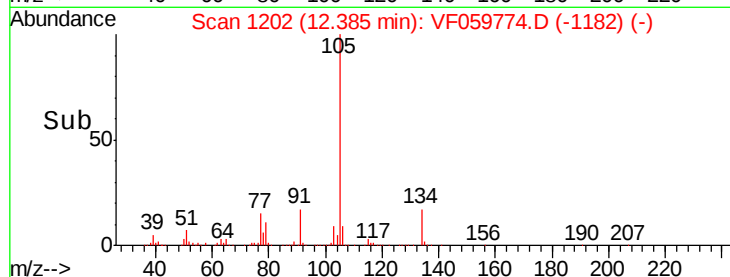
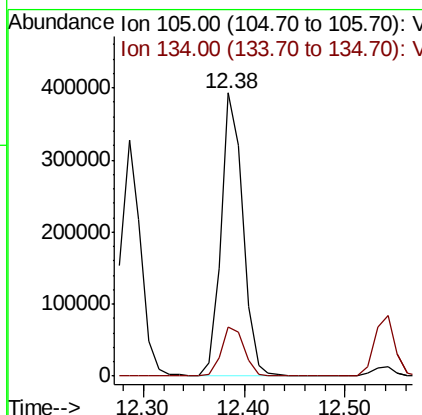
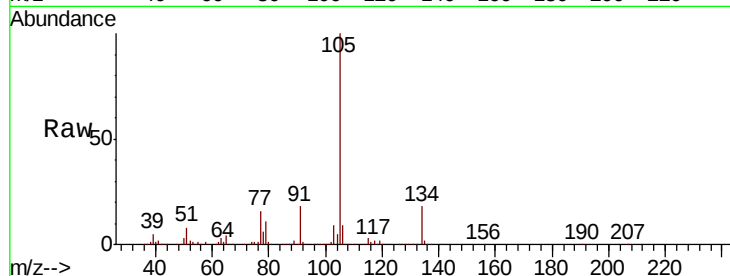
#85
 sec-Butylbenzene
 Concen: 56.49 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF059774.D
 Acq: 2 Aug 2018 00:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	17.6	9.8	29.3

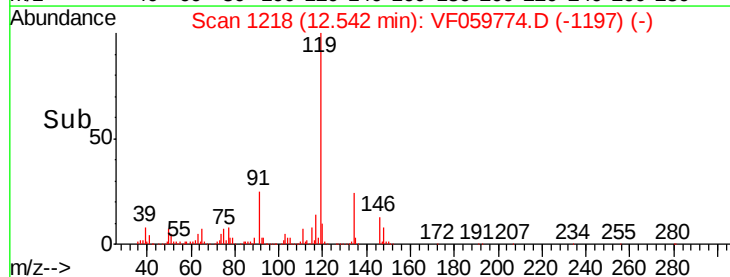
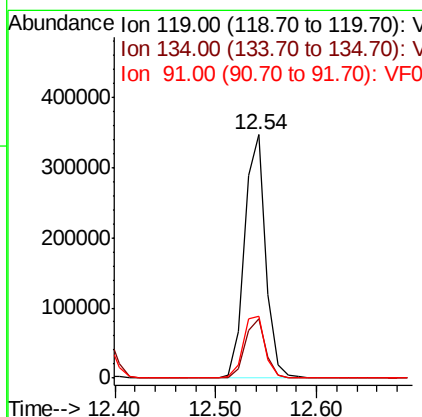
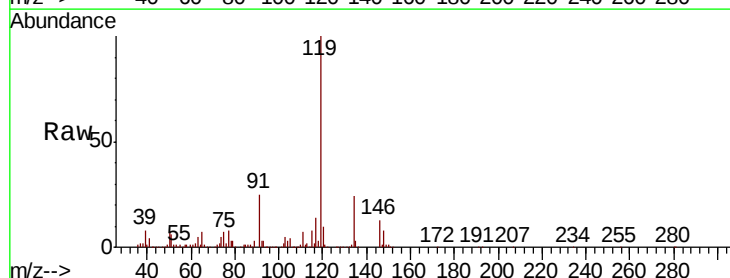
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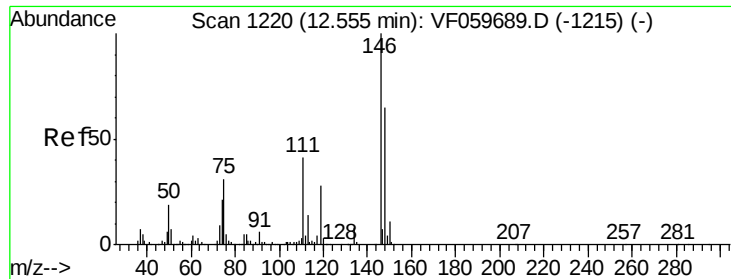
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#86
 p-Isopropyltoluene
 Concen: 55.18 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF059774.D
 Acq: 2 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.4	12.2	36.6
91	25.5	13.4	40.2





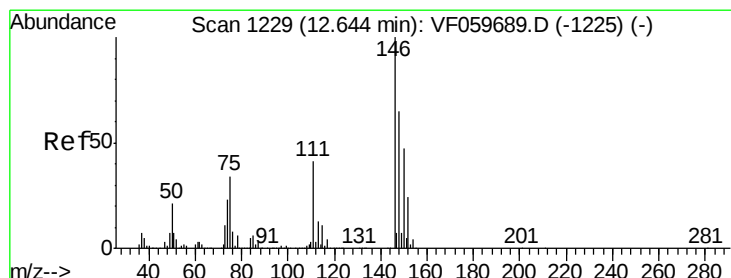
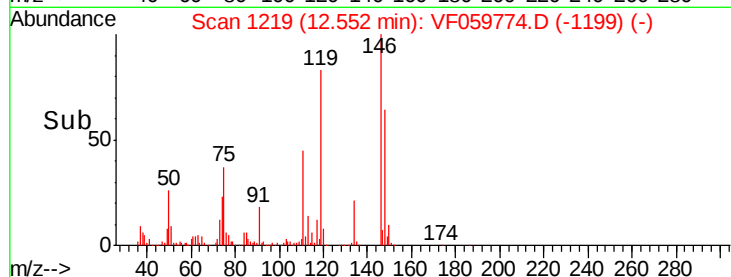
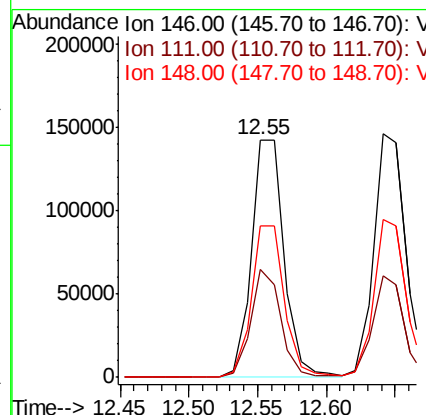
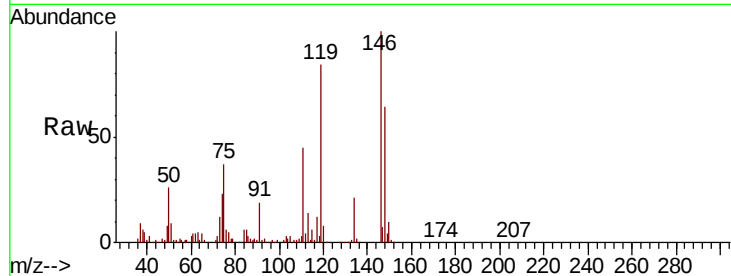
#87
 1,3-Dichlorobenzene
 Concen: 53.97 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059774.D
 Acq: 2 Aug 2018 00:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.2	20.7	62.1
148	63.8	32.3	96.8

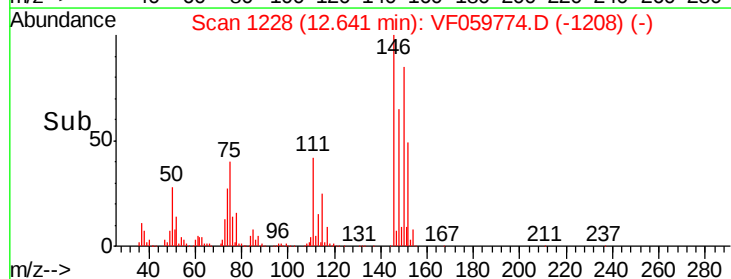
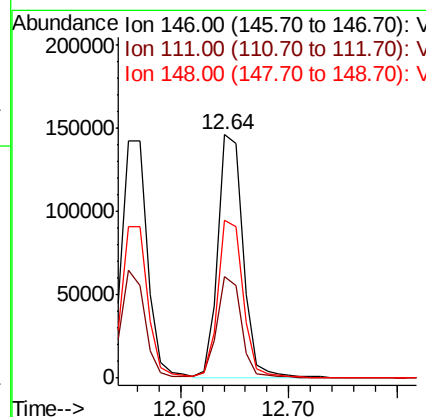
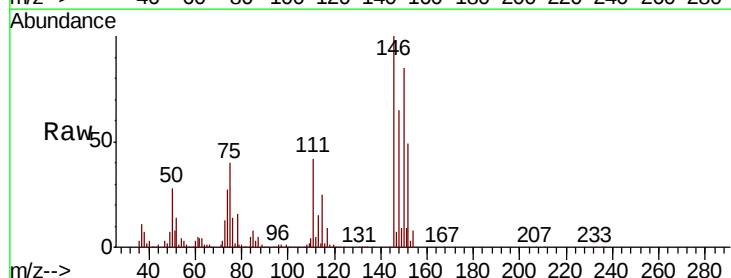
Manual Integrations
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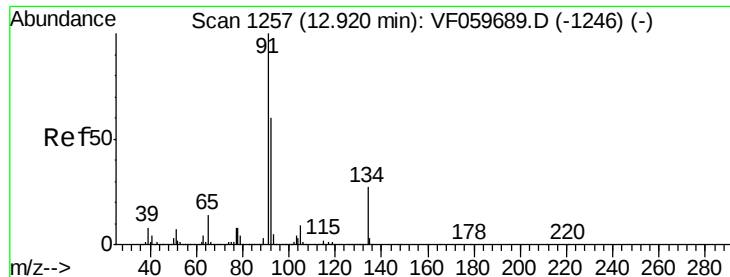
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#88
 1,4-Dichlorobenzene
 Concen: 53.08 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF059774.D
 Acq: 2 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.8	62.2
148	65.1	32.3	96.9





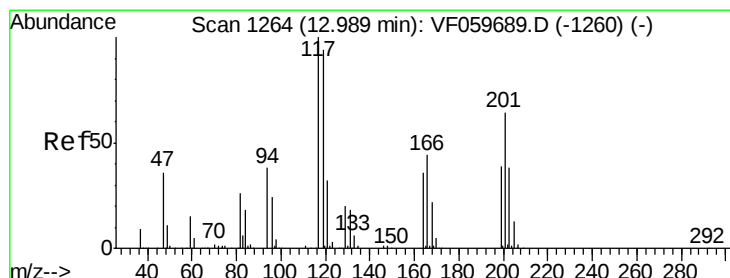
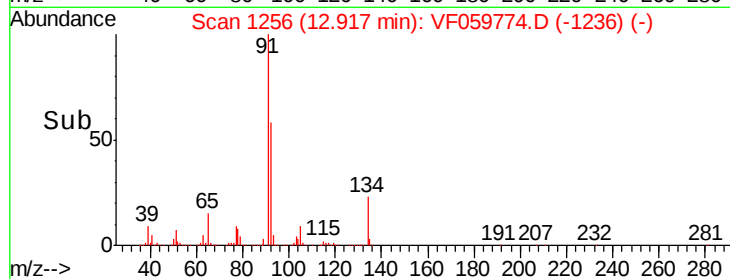
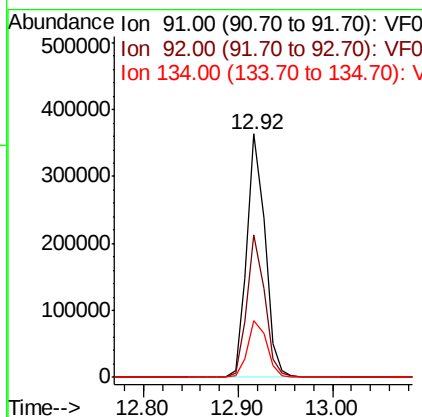
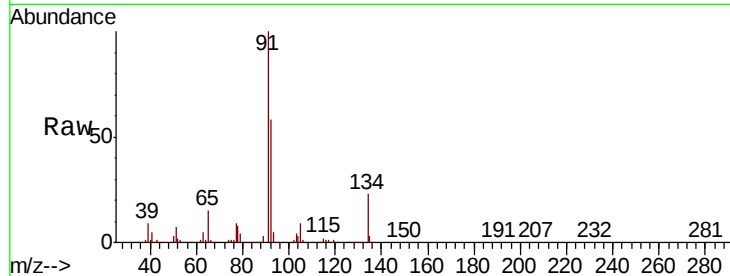
#89
n-Butylbenzene
Concen: 56.53 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.4	30.1	90.3
134	23.4	13.7	41.0

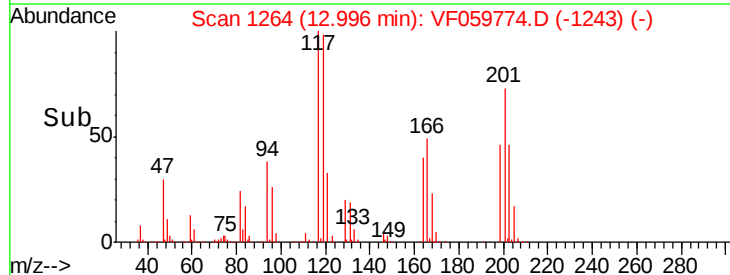
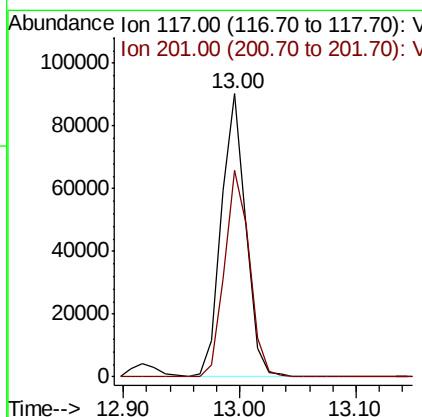
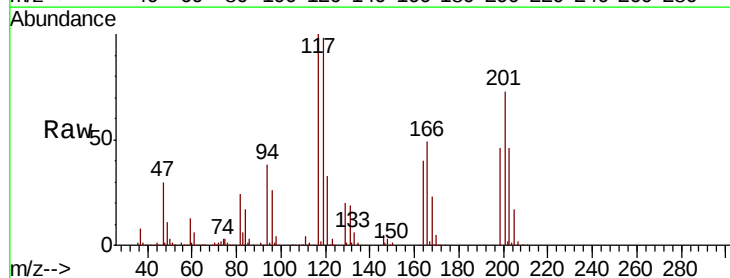
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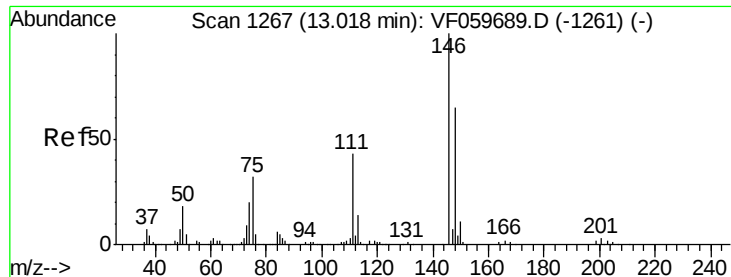
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#90
Hexachloroethane
Concen: 50.13 ug/l
RT: 13.00 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.1	31.9	95.5





#91

1,2-Dichlorobenzene

Concen: 54.97 ug/l

RT: 13.02 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Instrument :

MSVOA_F

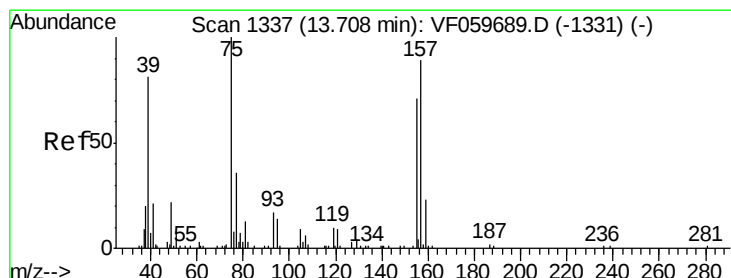
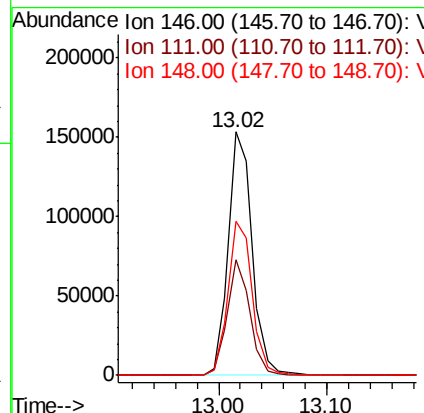
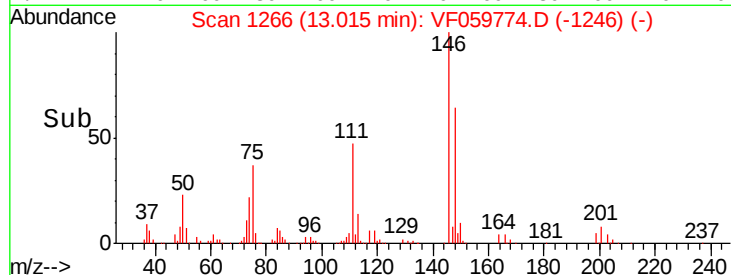
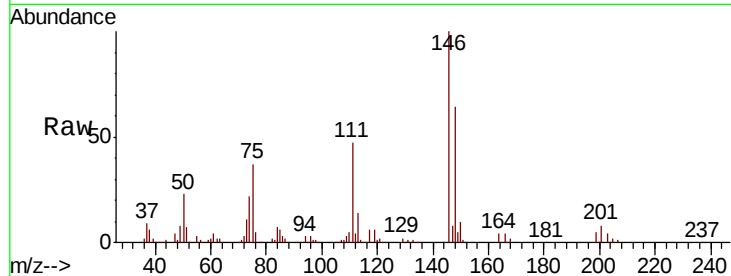
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	236397
Ion Ratio	Lower	Upper	
146	100		
111	47.4	21.6	65.0
148	63.5	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 56.34 ug/l

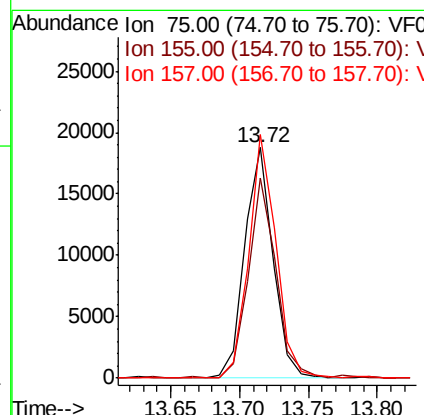
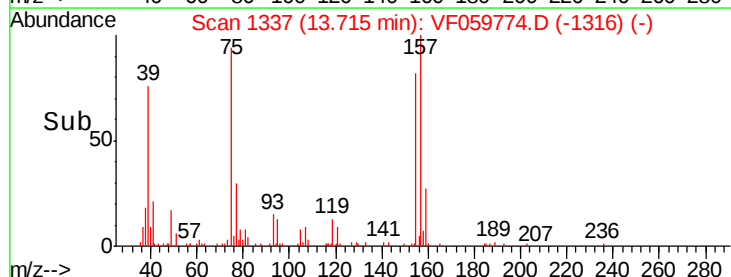
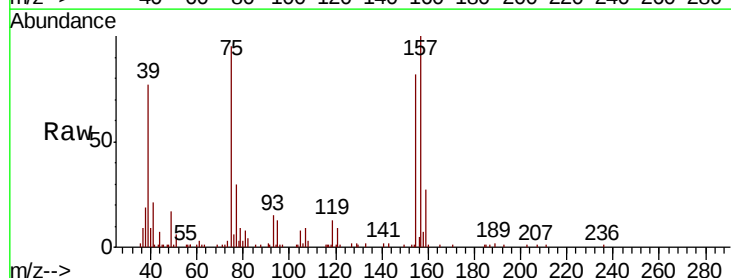
RT: 13.72 min Scan# 1337

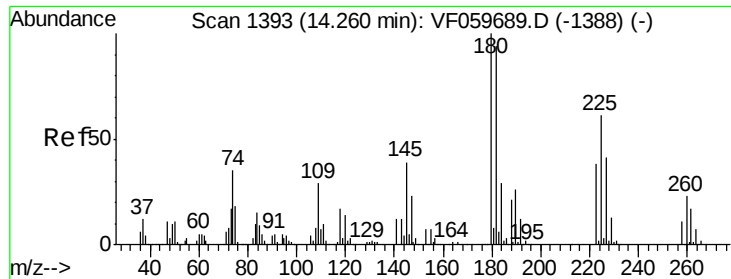
Delta R.T. 0.01 min

Lab File: VF059774.D

Acq: 2 Aug 2018 00:45

Tgt Ion:	75	Resp:	26941
Ion Ratio	Lower	Upper	
75	100		
155	86.6	35.4	106.2
157	105.5	44.4	133.2





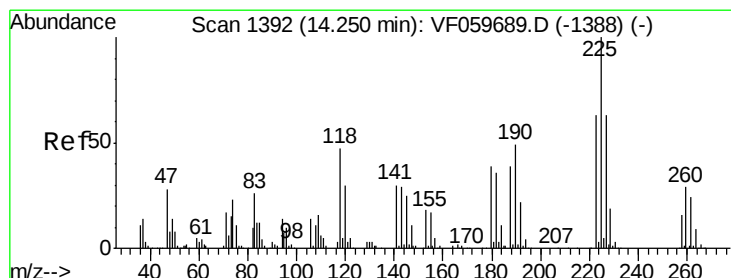
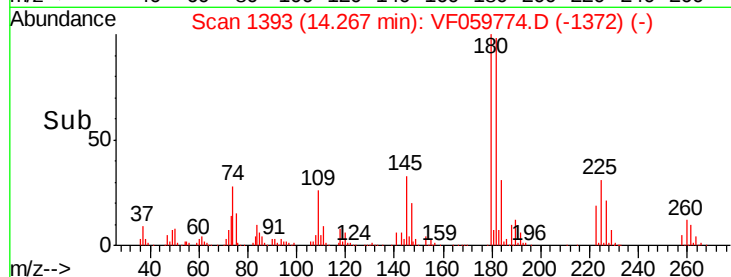
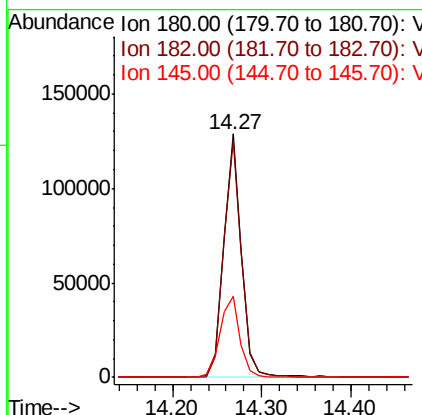
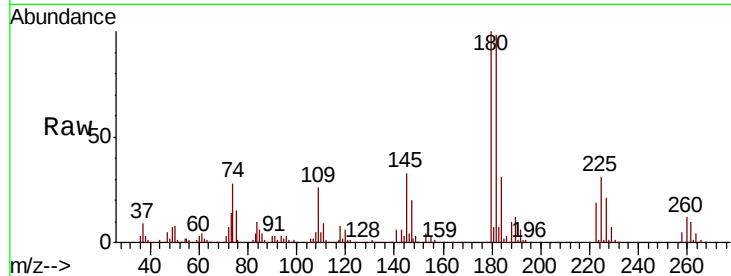
#93
 1,2,4-Trichlorobenzene
 Concen: 52.57 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059774.D
 Acq: 2 Aug 2018 00:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	180502		
182	97.5	47.2	141.6	
145	33.4	19.3	57.9	

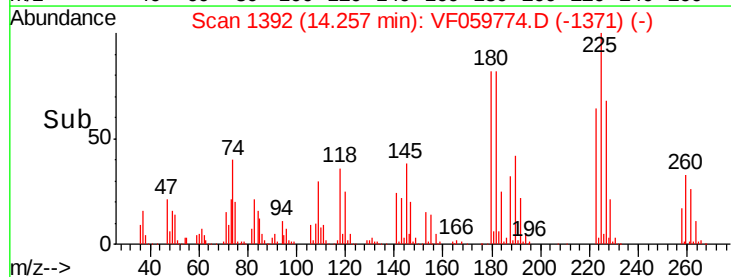
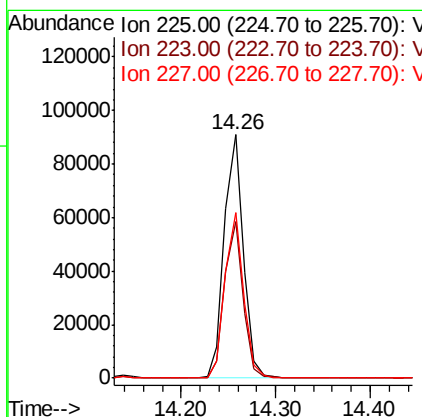
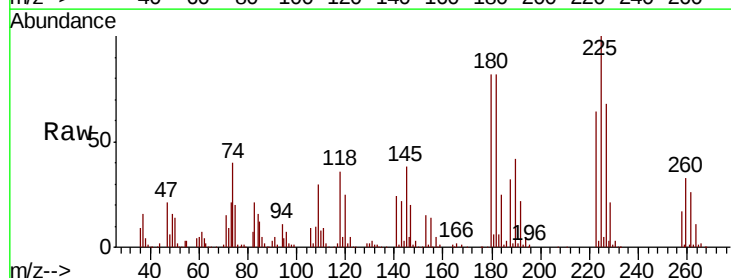
Manual Integrations
 APPROVED

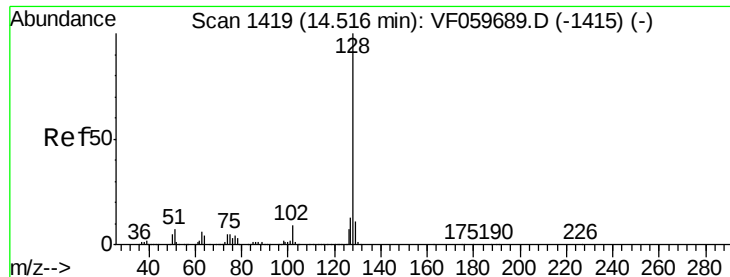
apatel
 8/10/2018 3:50:55 PM



#94
 Hexachlorobutadiene
 Concen: 48.86 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF059774.D
 Acq: 2 Aug 2018 00:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	126922		
223	64.3	31.4	94.2	
227	68.2	31.5	94.5	





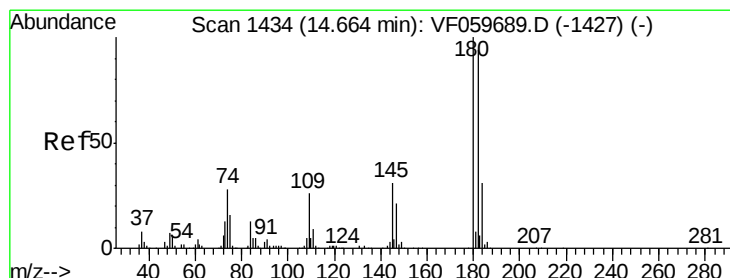
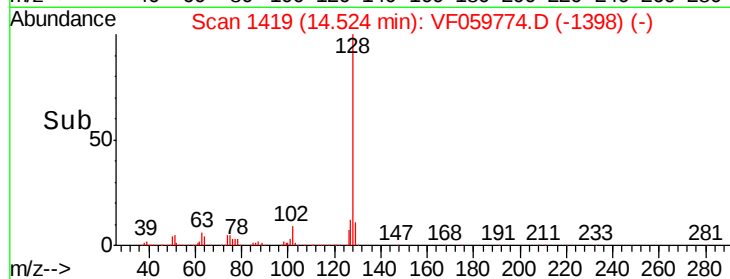
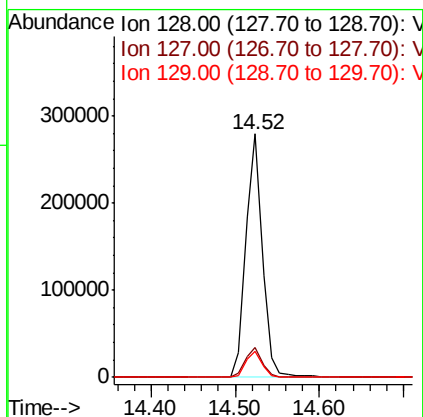
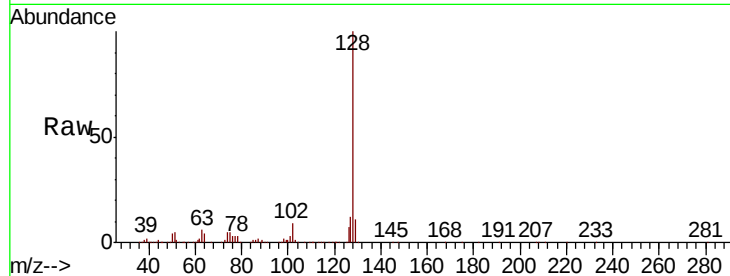
#95
Naphthalene
Concen: 56.10 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.01 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	383012		
127	12.3	10.0	15.0	
129	10.9	8.6	13.0	

Manual Integrations
APPROVED

apatel
8/10/2018 3:50:55 PM



#96
1,2,3-Trichlorobenzene
Concen: 50.22 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VF059774.D
Acq: 2 Aug 2018 00:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	189534		
182	96.6	47.2	141.6	
145	29.8	15.6	46.7	

