

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080118\
 Data File : VF059749.D
 Acq On : 1 Aug 2018 11:53
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 81 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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 8/2/2018 12:22:56 PM

Quant Time: Aug 02 10:48:30 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	168199	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.76	114	239998	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	231987	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	161201	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	163418	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
35) Dibromofluoromethane	4.29	113	134661	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
50) Toluene-d8	7.71	98	287502	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	11.51	95	166661	51.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	102922	54.97	ug/l	96
3) Chloromethane	1.08	50	43740	44.21	ug/l	91
4) Vinyl Chloride	1.15	62	51281	49.10	ug/l	97
5) Bromomethane	1.34	94	45075	52.89	ug/l	95
6) Chloroethane	1.43	64	34683	55.11	ug/l	88
7) Trichlorofluoromethane	1.54	101	170134m	54.16	ug/l	
8) Diethyl Ether	1.70	74	22399	41.70	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.90	101	89732	54.54	ug/l	97
10) Methyl Iodide	1.97	142	125184	54.35	ug/l	93
11) Tert butyl alcohol	2.67	59	25060	205.34	ug/l	96
12) 1,1-Dichloroethene	1.86	96	61106	46.91	ug/l	93
13) Acrolein	2.09	56	16472	257.50	ug/l	91
14) Allyl chloride	2.19	41	98908	47.56	ug/l	95
15) Acrylonitrile	3.07	53	44842	229.59	ug/l	92
16) Acetone	2.33	43	152670	280.78	ug/l	97
17) Carbon Disulfide	1.89	76	128552m	48.04	ug/l	
18) Methyl Acetate	2.44	43	40478	47.74	ug/l #	90
19) Methyl tert-butyl Ether	2.53	73	190861	48.05	ug/l	99
20) Methylene Chloride	2.27	84	63513m	54.16	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	61384	54.04	ug/l	95
22) Diisopropyl ether	2.93	45	214383	48.75	ug/l	100
23) Vinyl Acetate	3.33	43	555228	245.56	ug/l	99
24) 1,1-Dichloroethane	2.99	63	164396	53.80	ug/l	99
25) 2-Butanone	4.51	43	129343	213.16	ug/l #	86
26) 2,2-Dichloropropane	3.76	77	111093	51.00	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	72529	44.33	ug/l	85
28) Bromochloromethane	3.88	49	58867	55.85	ug/l	85
29) Tetrahydrofuran	4.25	42	54407	233.29	ug/l	98
30) Chloroform	4.03	83	219558	50.91	ug/l	96
31) Cyclohexane	3.85	56	70681	47.53	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	180427	53.94	ug/l	97
36) 1,1-Dichloropropene	4.45	75	123098	50.72	ug/l	99
37) Ethyl Acetate	4.30	43	56256	46.66	ug/l	93
38) Carbon Tetrachloride	4.17	117	220096	57.68	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	91928	49.59	ug/l	95
40) Benzene	4.81	78	220256	45.44	ug/l	98
41) Methacrylonitrile	4.92	41	29302	48.41	ug/l	94
42) 1,2-Dichloroethane	5.11	62	181799	53.60	ug/l	98
43) Isopropyl Acetate	7.11	43	56736	39.54	ug/l	97
44) Trichloroethene	5.68	130	86251	53.42	ug/l	83
45) 1,2-Dichloropropane	6.41	63	61144	47.77	ug/l	95
46) Dibromomethane	6.25	93	59793	49.20	ug/l	92
47) Bromodichloromethane	6.54	83	172452	52.11	ug/l	95
48) Methyl methacrylate	6.88	41	46065	42.68	ug/l	88
49) 1,4-Dioxane	6.87	88	5826	843.24	ug/l #	70
51) 4-Methyl-2-Pentanone	8.41	43	249111	228.19	ug/l	98
52) Toluene	7.78	92	154547	47.78	ug/l	94
53) t-1,3-Dichloropropene	8.43	75	141094	49.14	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	138780	49.90	ug/l	99
55) 1,1,2-Trichloroethane	8.63	97	63335	48.25	ug/l	92
56) Ethyl methacrylate	8.76	69	60667	44.32	ug/l	94
57) 1,3-Dichloropropane	9.00	76	109194	48.49	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	38941	246.38	ug/l	100
59) 2-Hexanone	9.63	43	189517	216.64	ug/l	96
60) Dibromochloromethane	8.87	129	120056	51.83	ug/l	98
61) 1,2-Dibromoethane	9.14	107	76623	49.99	ug/l	98
64) Tetrachloroethene	8.31	164	82896	53.22	ug/l	98
65) Chlorobenzene	9.94	112	229127	49.37	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	118536	54.71	ug/l	95
67) Ethyl Benzene	10.04	91	414410	51.61	ug/l	99
68) m/p-Xylenes	10.27	106	279271	112.38	ug/l	96
69) o-Xylene	10.83	106	155481	52.55	ug/l	95
70) Styrene	10.90	104	243101	54.24	ug/l	98
71) Bromoform	10.89	173	77829	55.13	ug/l	99
73) Isopropylbenzene	11.23	105	531742	50.27	ug/l	97
74) N-amyl acetate	11.46	43	110714	41.49	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	95392	47.91	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	78819	46.55	ug/l	97
77) Bromobenzene	11.60	156	128503	46.53	ug/l	88
78) n-propylbenzene	11.69	91	603343	56.28	ug/l	99
79) 2-Chlorotoluene	11.82	91	373993	55.27	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	461825	55.45	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	31611m	45.08	ug/l	
82) 4-Chlorotoluene	11.99	91	401800	55.57	ug/l	95
83) tert-Butylbenzene	12.21	119	485228	51.10	ug/l	94
84) 1,2,4-Trimethylbenzene	12.29	105	485825	57.77	ug/l	100
85) sec-Butylbenzene	12.39	105	624074	58.70	ug/l	97
86) p-Isopropyltoluene	12.54	119	532338	57.34	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	256408	57.53	ug/l	98
88) 1,4-Dichlorobenzene	12.64	146	248700	54.84	ug/l	99
89) n-Butylbenzene	12.92	91	523619	59.69	ug/l	99
90) Hexachloroethane	13.00	117	142768	53.51	ug/l	87
91) 1,2-Dichlorobenzene	13.02	146	249316	57.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.72	75	27084	55.64	ug/l	77

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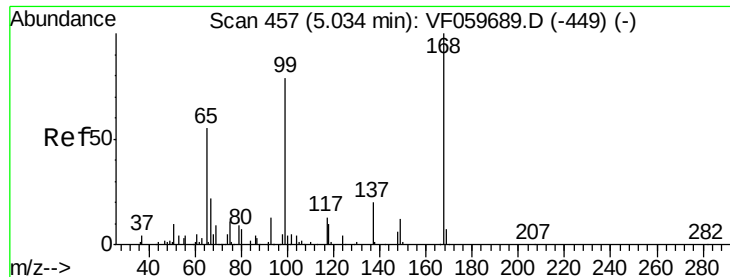
Manual Integrations
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8/2/2018 12:22:56 PM

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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)
93) 1,2,4-Trichlorobenzene	14.27	180	200272	57.78	µg/l	97
94) Hexachlorobutadiene	14.26	225	142248	53.80	µg/l	97
95) Naphthalene	14.53	128	338813	48.75	µg/l	99
96) 1,2,3-Trichlorobenzene	14.68	180	200261	52.13	µg/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 168199

Ion Ratio Lower Upper

168 100

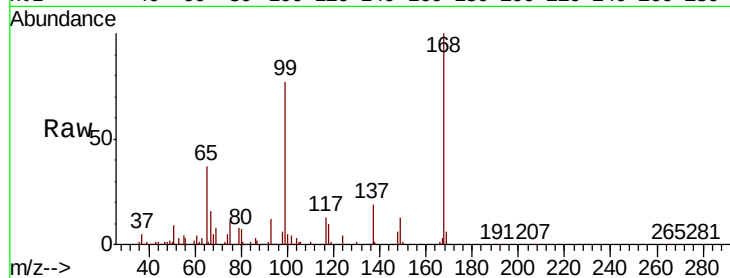
99 76.7 63.3 94.9

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

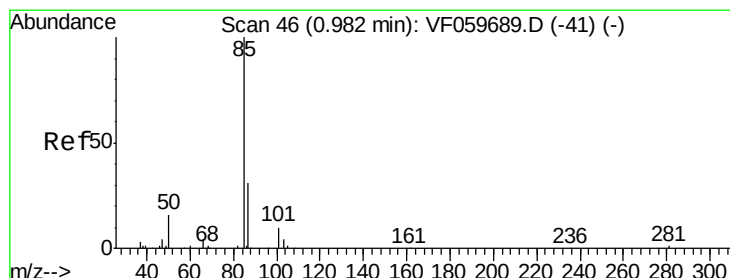
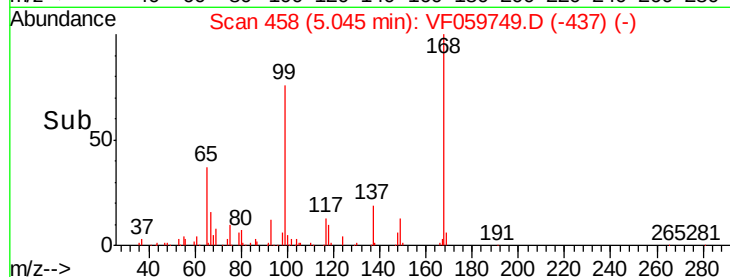
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 54.97 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059749.D

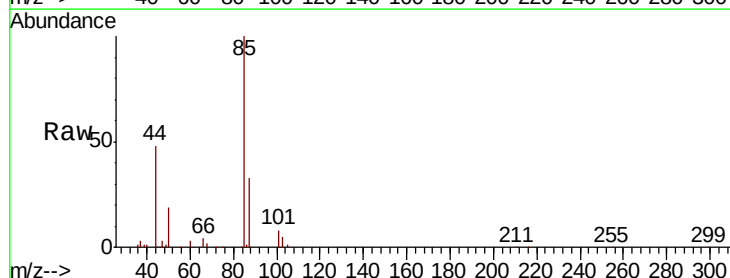
Acq: 1 Aug 2018 11:53

Tgt Ion: 85 Resp: 102922

Ion Ratio Lower Upper

85 100

87 32.8 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

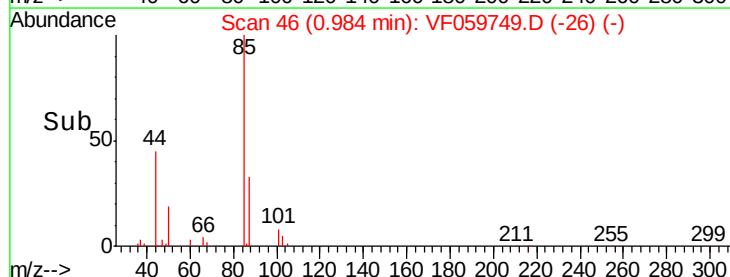
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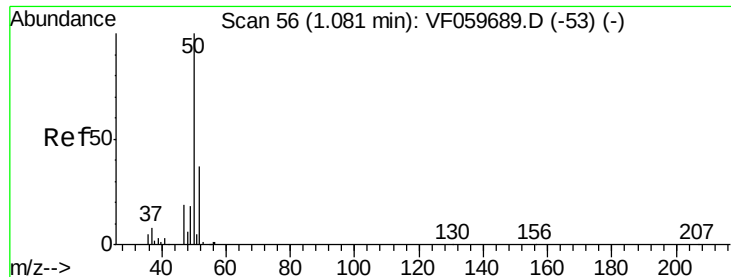
20000

10000

0

Time-->





#3

Chloromethane

Concen: 44.21 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 43740

Ion Ratio Lower Upper

50 100

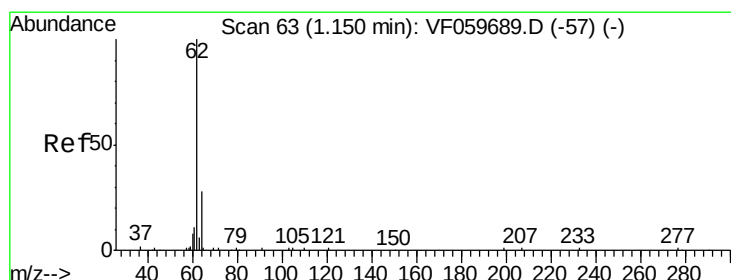
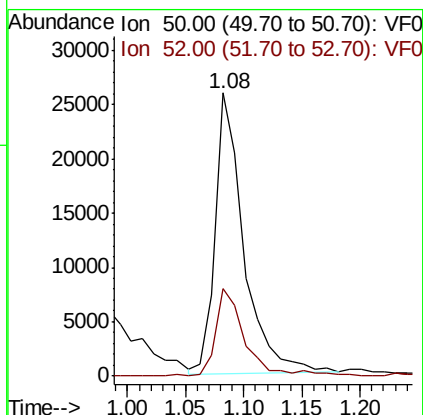
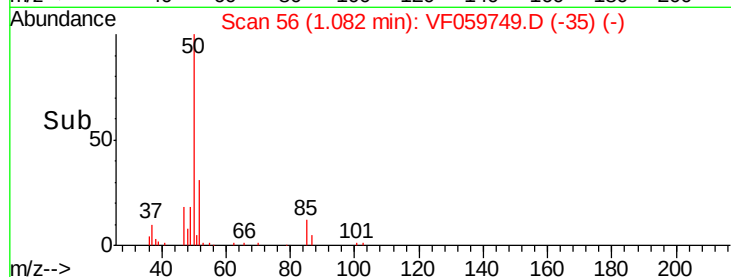
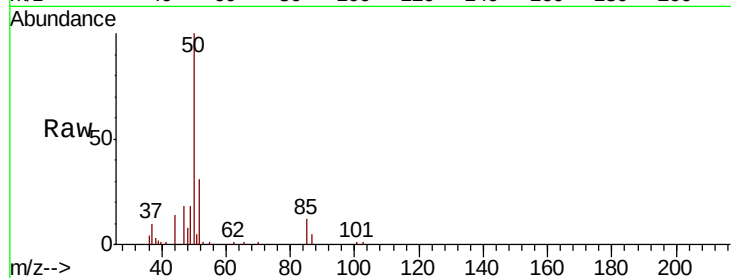
52 31.0 29.1 43.7

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#4

Vinyl Chloride

Concen: 49.10 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059749.D

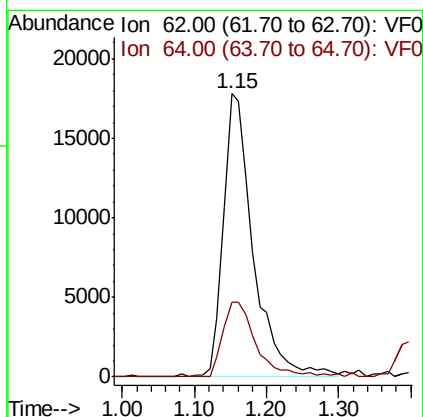
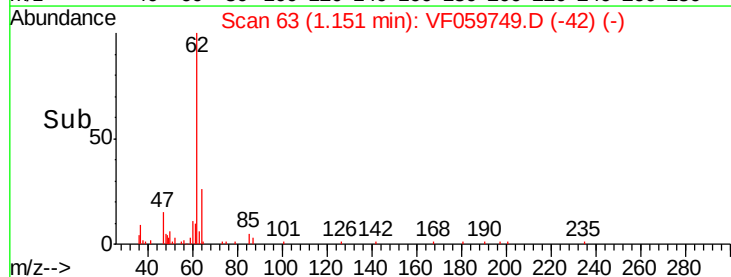
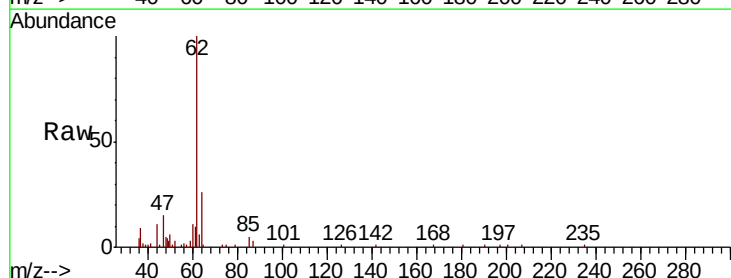
Acq: 1 Aug 2018 11:53

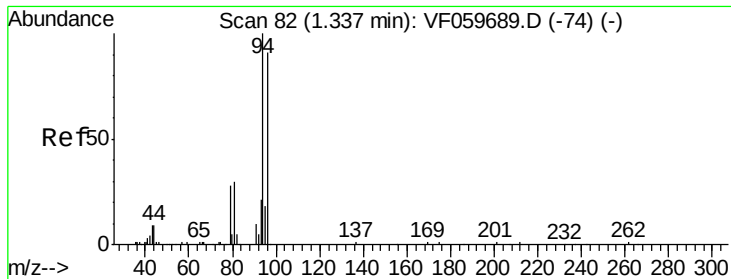
Tgt Ion: 62 Resp: 51281

Ion Ratio Lower Upper

62 100

64 26.4 22.6 33.8





#5

Bromomethane

Concen: 52.89 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 45075

Ion Ratio Lower Upper

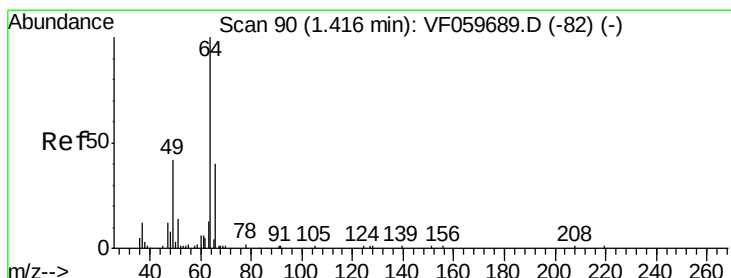
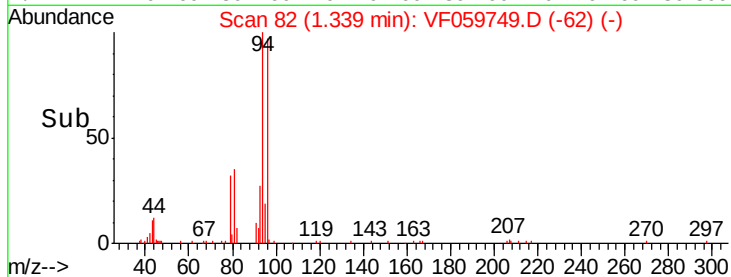
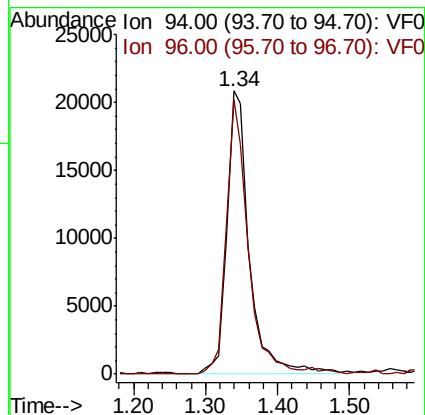
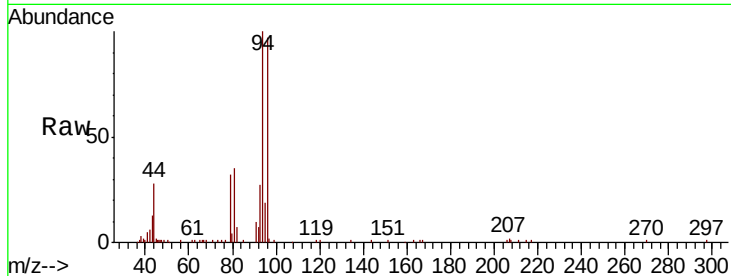
94 100

96 96.9 73.6 110.4

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#6

Chloroethane

Concen: 55.11 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VF059749.D

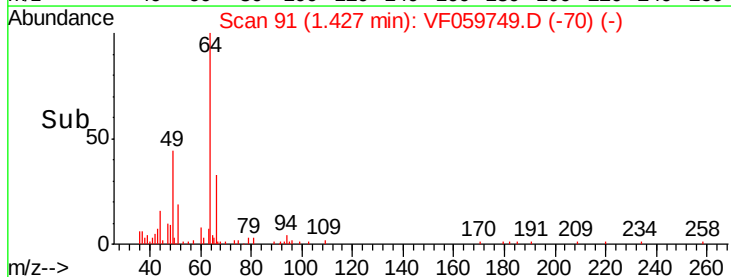
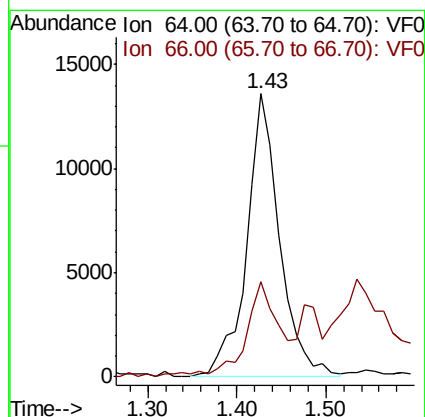
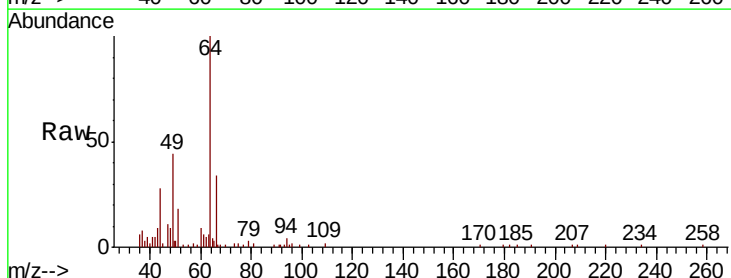
Acq: 1 Aug 2018 11:53

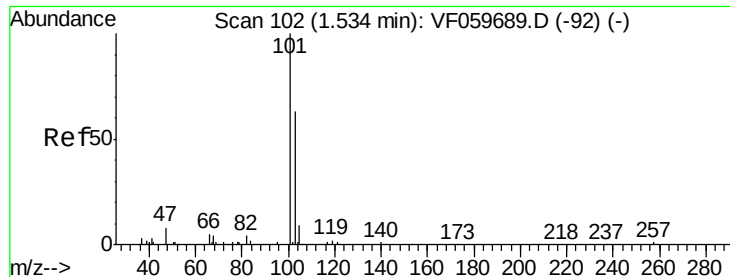
Tgt Ion: 64 Resp: 34683

Ion Ratio Lower Upper

64 100

66 33.6 32.6 49.0





#7

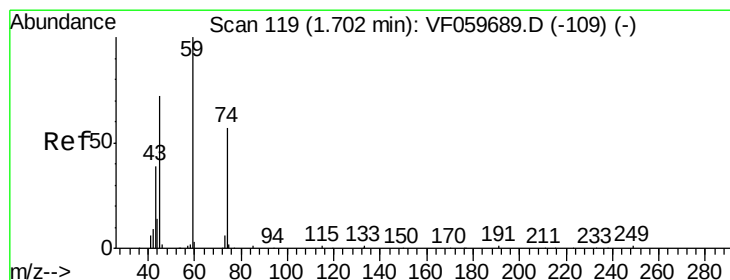
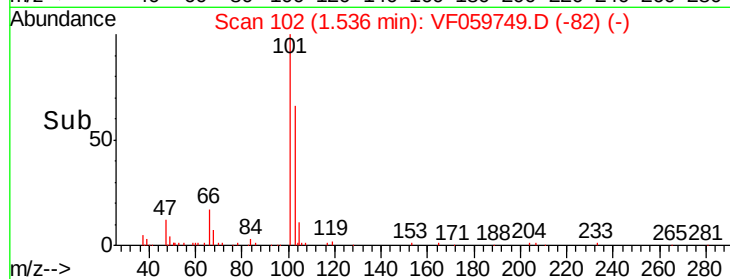
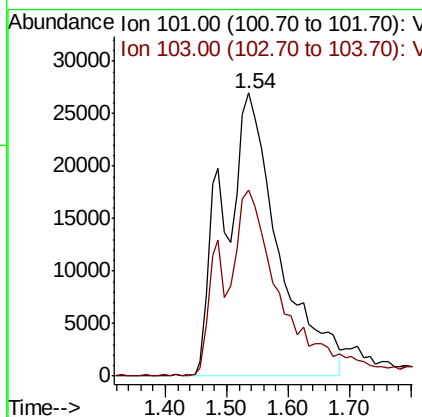
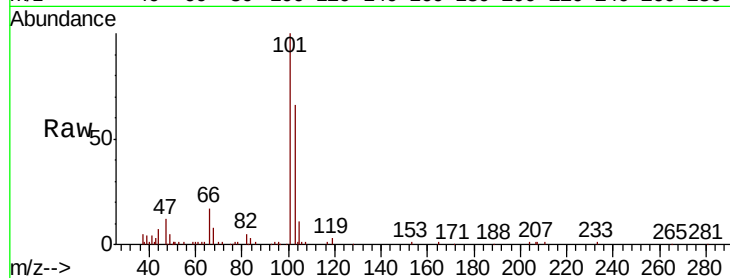
Trichlorofluoromethane
Concen: 54.16 ug/l m
RT: 1.54 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	50.8	76.2

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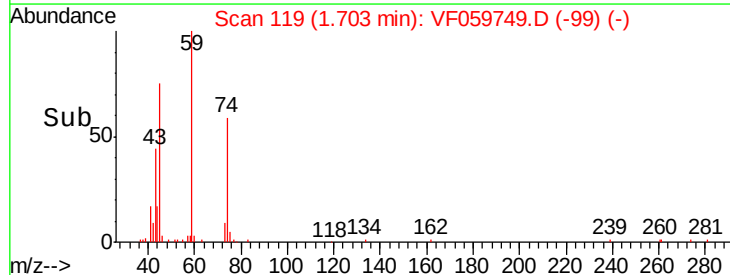
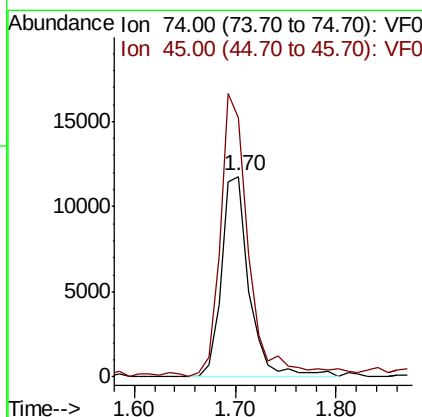
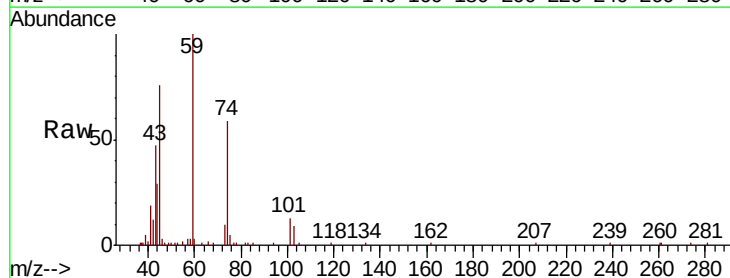
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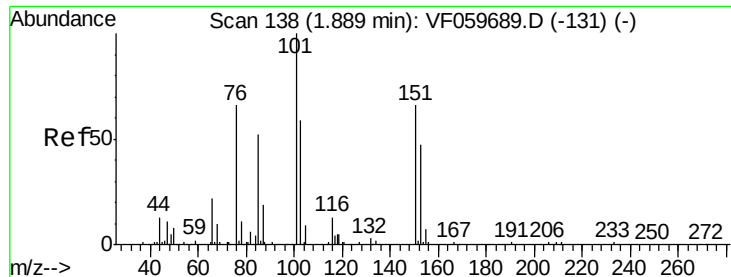


#8

Diethyl Ether
Concen: 41.70 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	129.5	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.54 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Instrument :

MSVOA_F

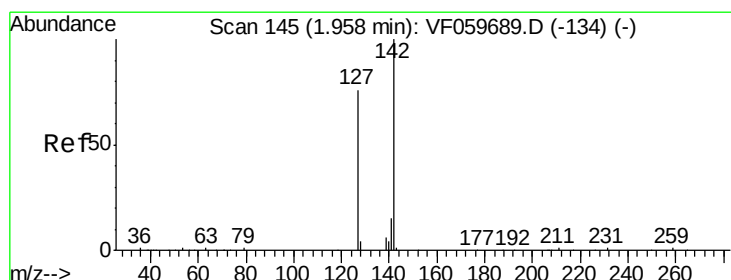
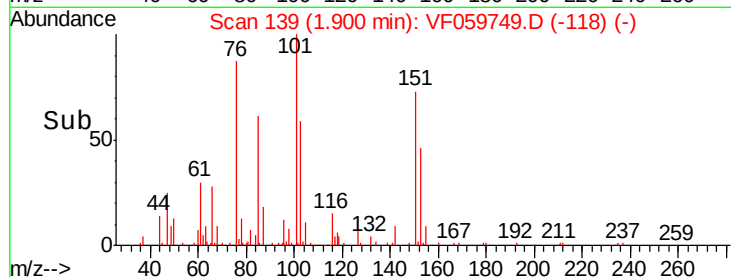
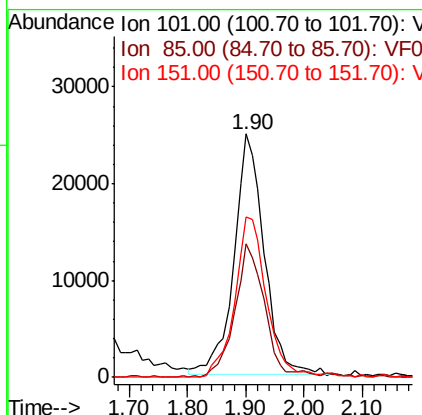
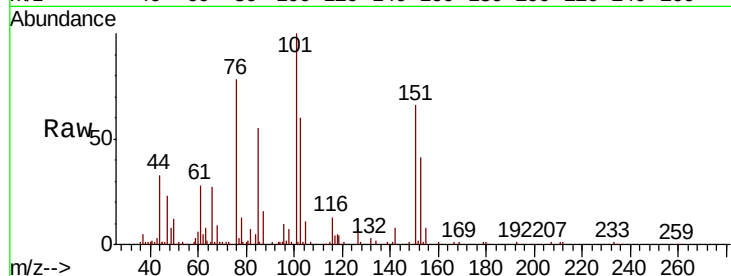
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	89732
Ion Ratio	Lower	Upper	
101	100		
85	54.7	40.7	61.1
151	65.7	51.4	77.2

Manual Integrations
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#10

Methyl Iodide

Concen: 54.35 ug/l

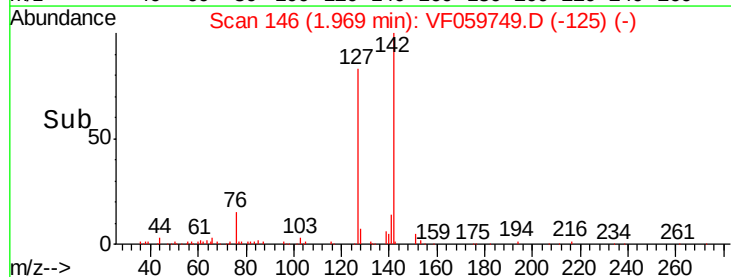
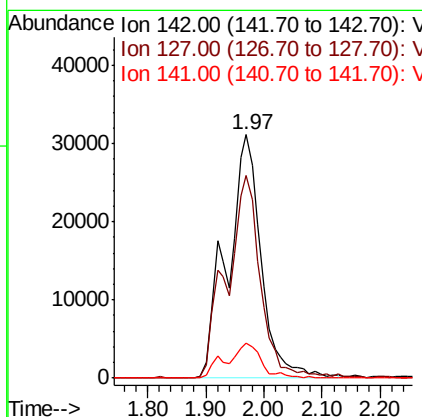
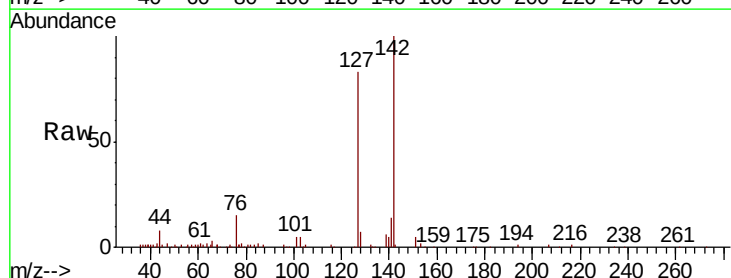
RT: 1.97 min Scan# 146

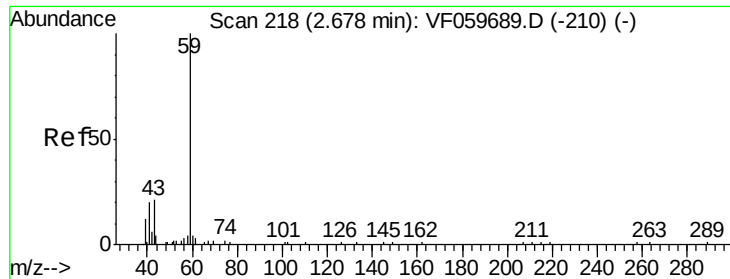
Delta R.T. 0.01 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Tgt Ion:	142	Resp:	125184
Ion Ratio	Lower	Upper	
142	100		
127	82.3	60.6	91.0
141	14.1	12.0	18.0





#11

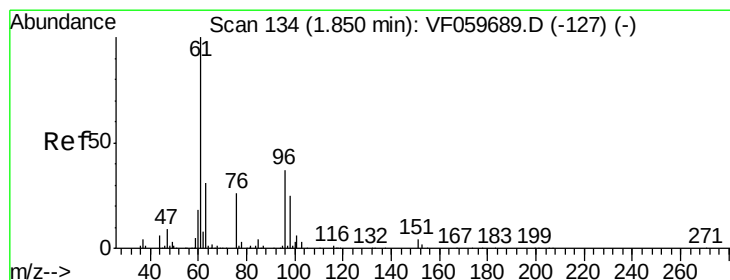
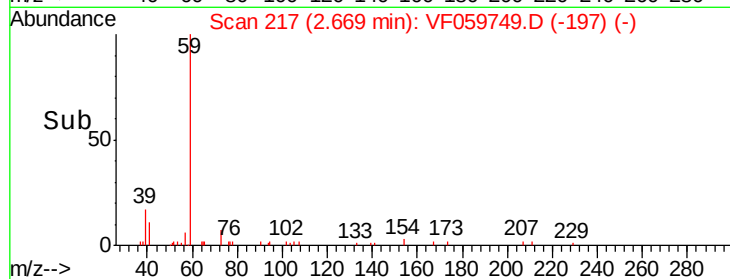
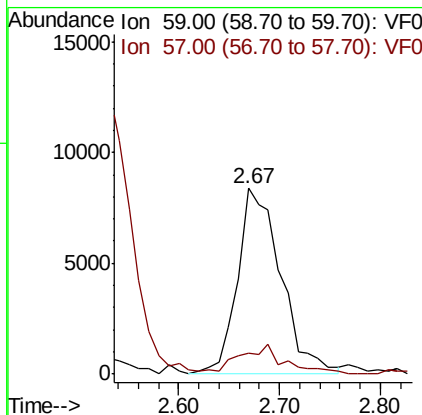
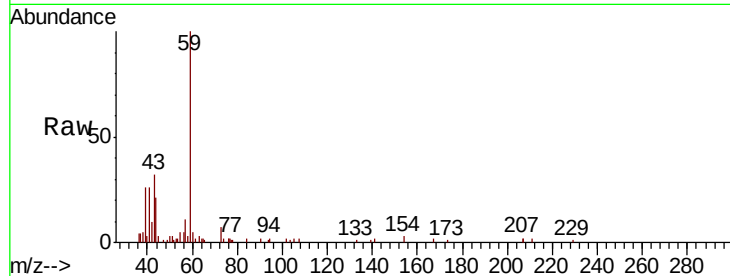
Tert butyl alcohol
Concen: 205.34 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	7.6	11.4

Manual Integrations
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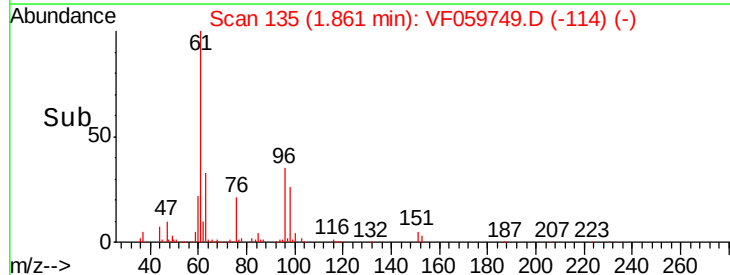
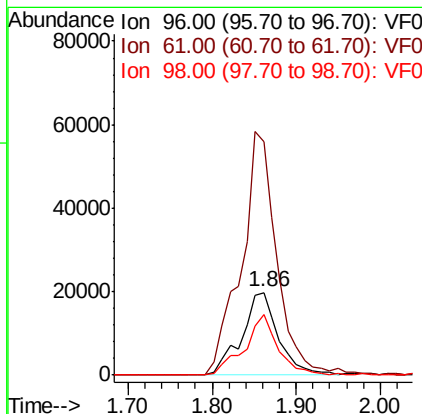
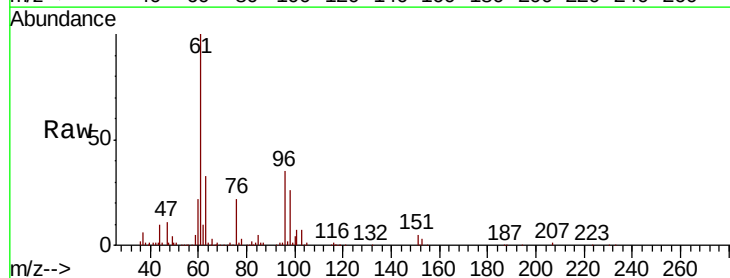
apatel
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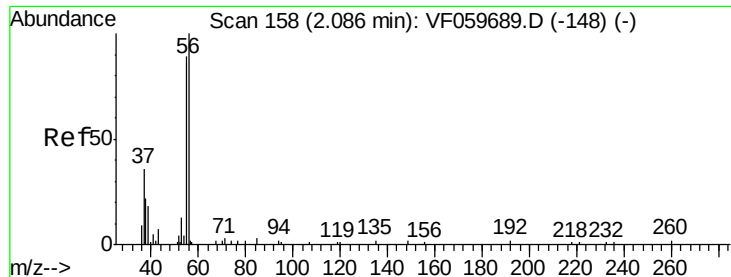


#12

1,1-Dichloroethene
Concen: 46.91 ug/l
RT: 1.86 min Scan# 135
Delta R.T. 0.01 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	282.5	215.1	322.7
98	74.1	54.3	81.5





#13

Acrolein

Concen: 257.50 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Tot Ion: 56 Resp: 16472

Ion Ratio Lower Upper

56 100

55 99.6 73.2 109.8

Instrument :

MSVOA_F

ClientSampleId :

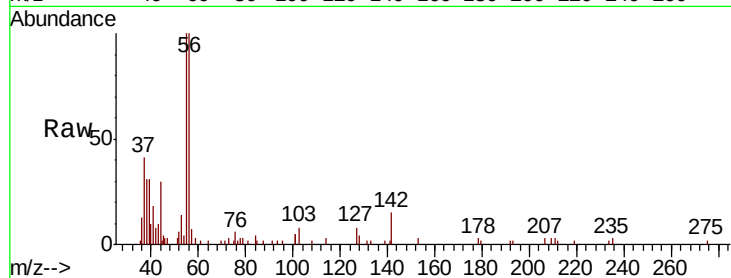
VSTDCCC050

Manual Integrations

APPROVED

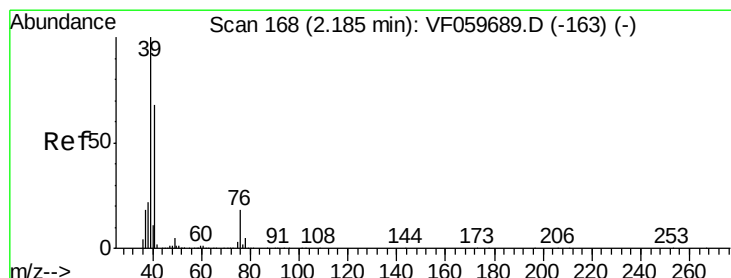
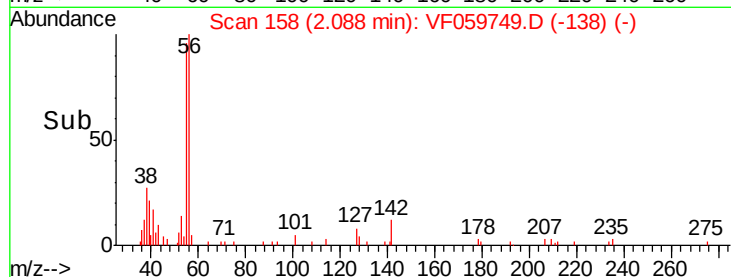
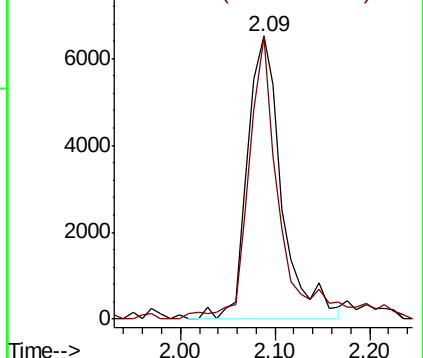
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 47.56 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

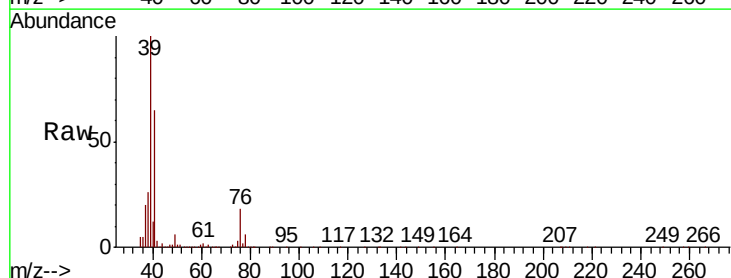
Tgt Ion: 41 Resp: 98908

Ion Ratio Lower Upper

41 100

39 154.2 118.1 177.1

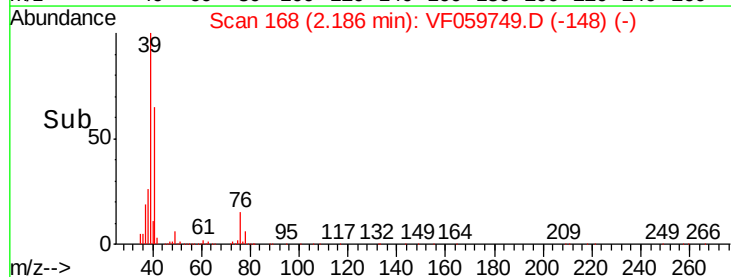
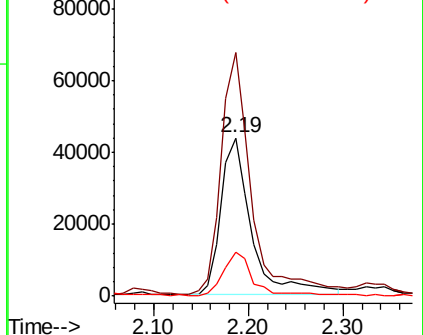
76 28.2 22.0 33.0

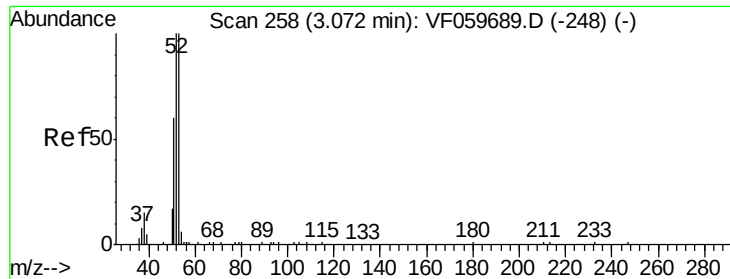


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 229.59 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Instrument :

MSVOA_F

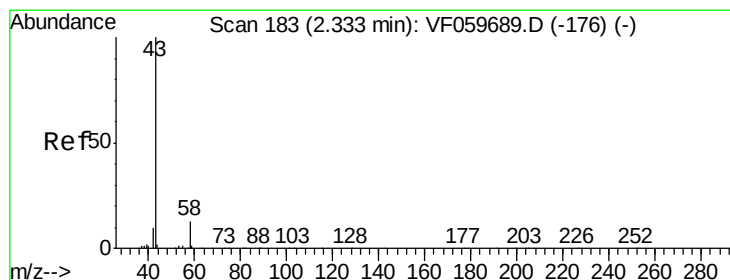
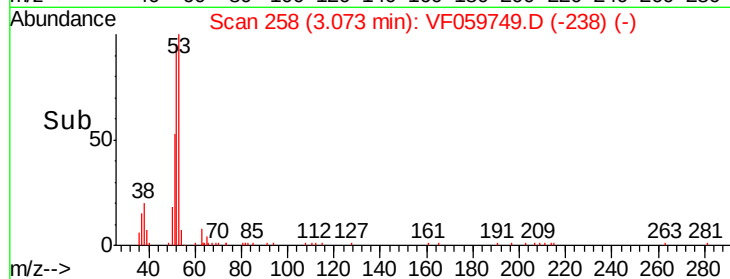
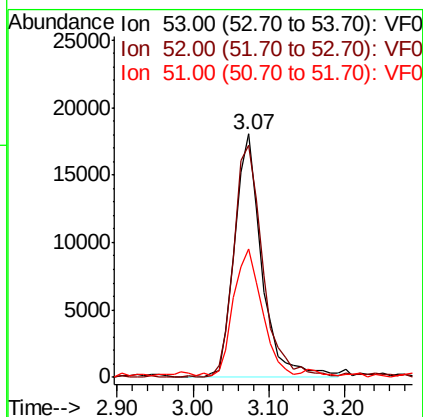
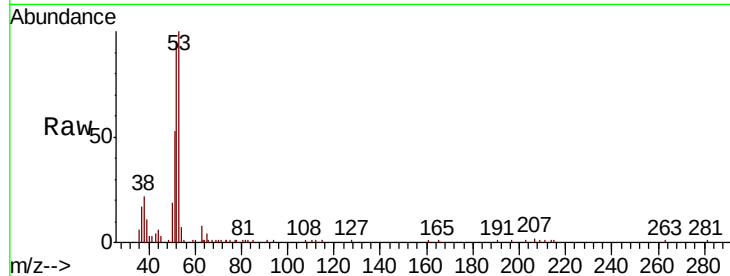
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	44842
Ion	Ratio	Lower	Upper
53	100		
52	95.3	80.3	120.5
51	52.7	49.4	74.0

Manual Integrations
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#16

Acetone

Concen: 280.78 ug/l

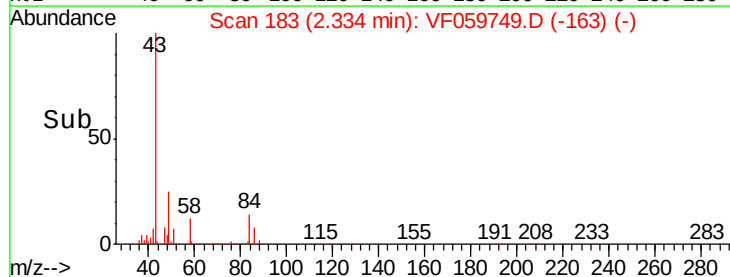
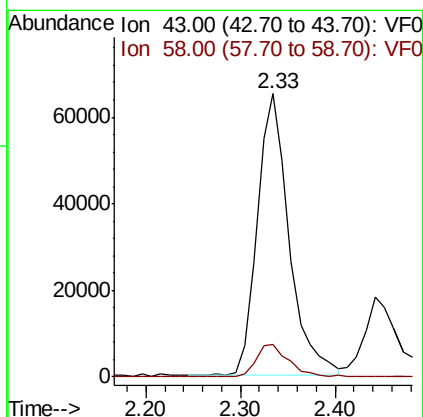
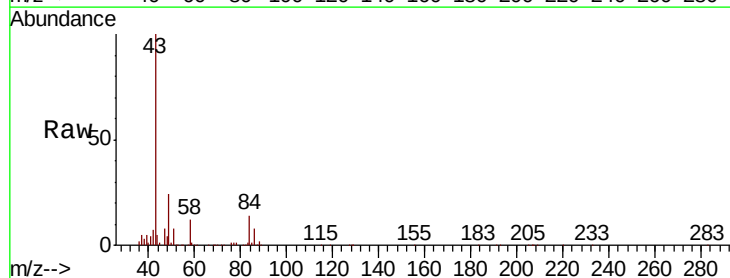
RT: 2.33 min Scan# 183

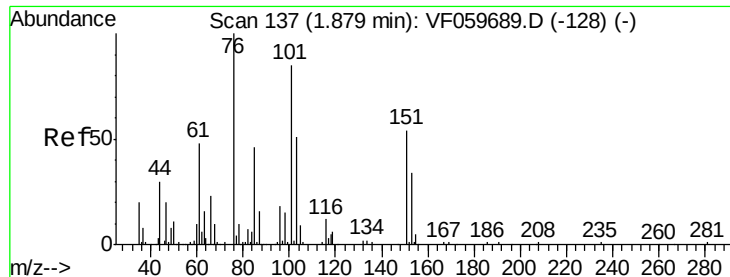
Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Tgt Ion:	43	Resp:	152670
Ion	Ratio	Lower	Upper
43	100		
58	11.5	10.1	15.1





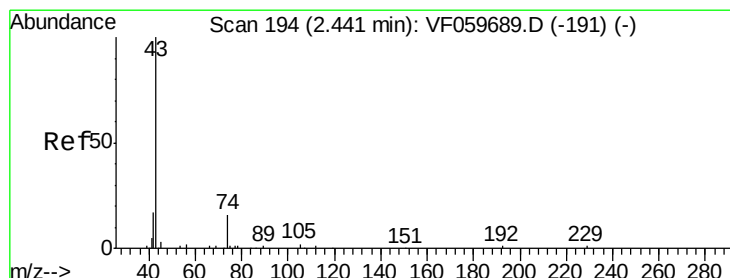
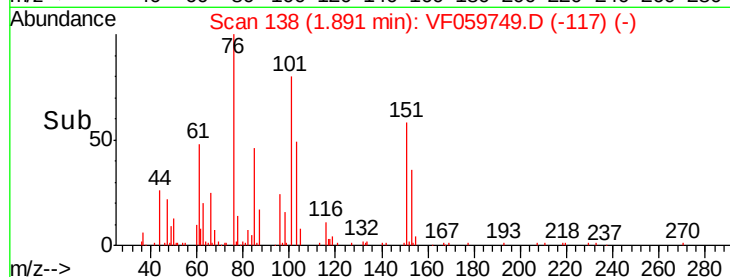
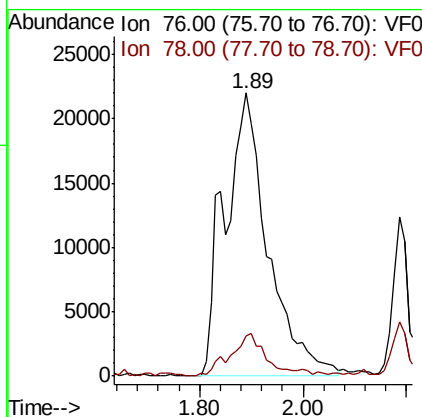
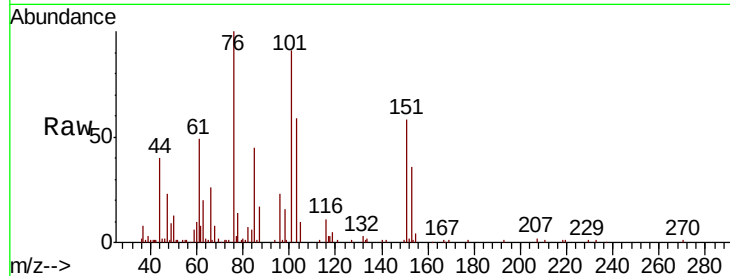
#17
Carbon Disulfide
Concen: 48.04 ug/l m
RT: 1.89 min Scan# 138
Delta R.T. 0.01 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 128552
Ion Ratio Lower Upper
76 100
78 14.0 8.9 13.3#

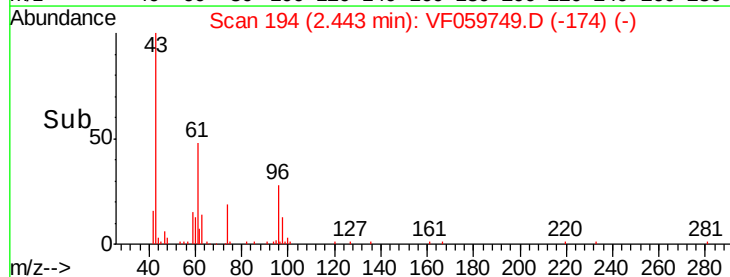
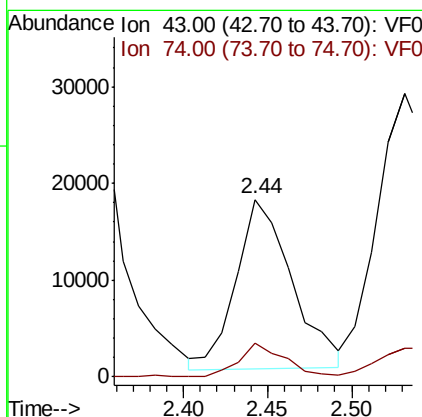
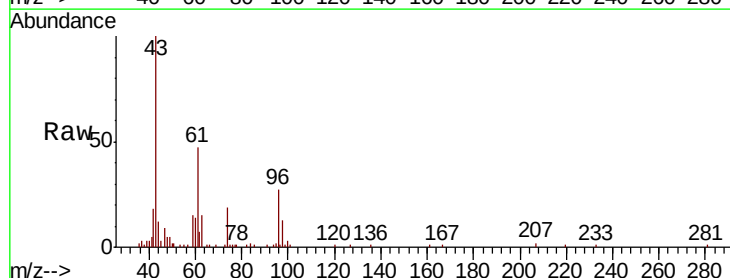
Manual Integrations
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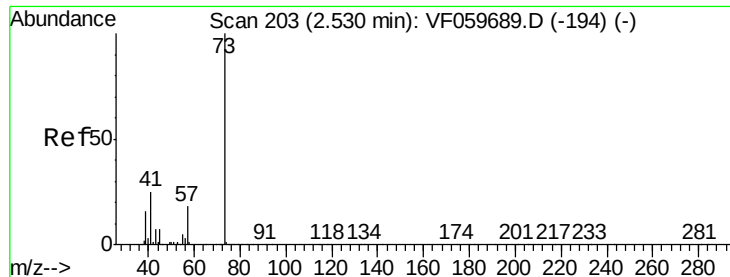
apatel
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#18
Methyl Acetate
Concen: 47.74 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Tgt Ion: 43 Resp: 40478
Ion Ratio Lower Upper
43 100
74 19.0 11.8 17.6#





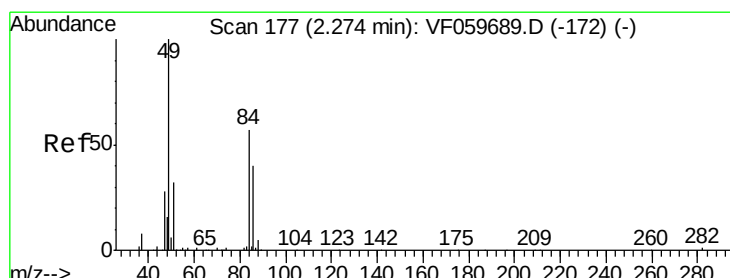
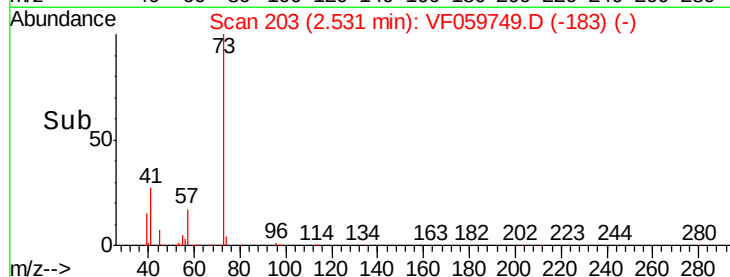
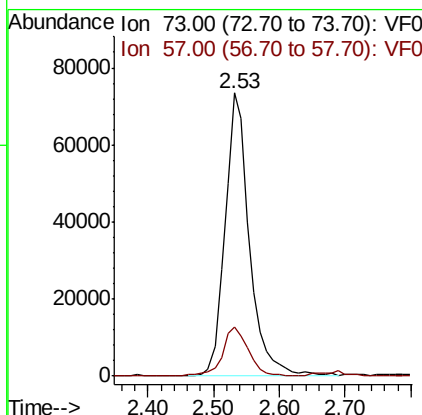
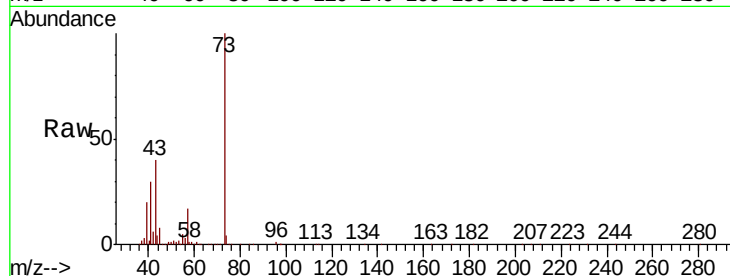
#19
Methyl tert-butyl Ether
Concen: 48.05 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.4	14.2	21.2

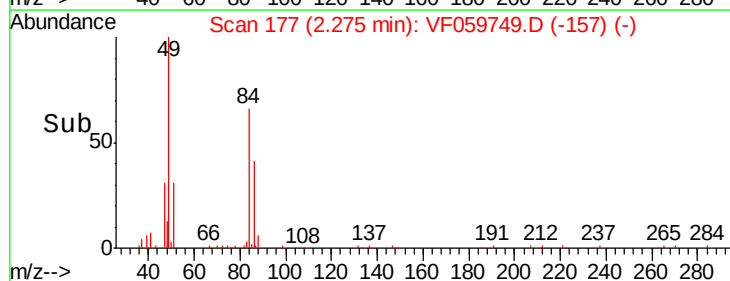
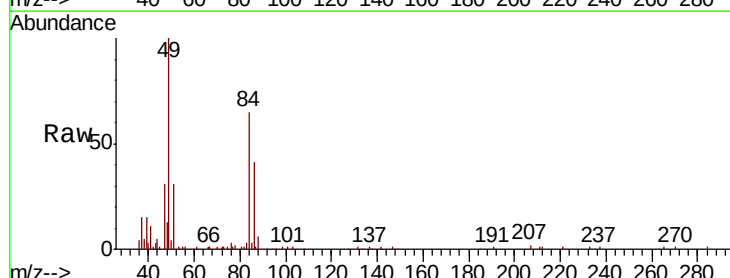
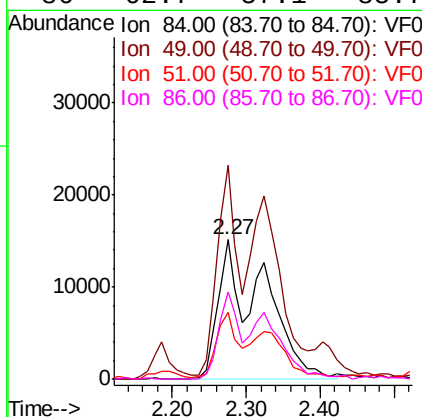
Manual Integrations
APPROVED

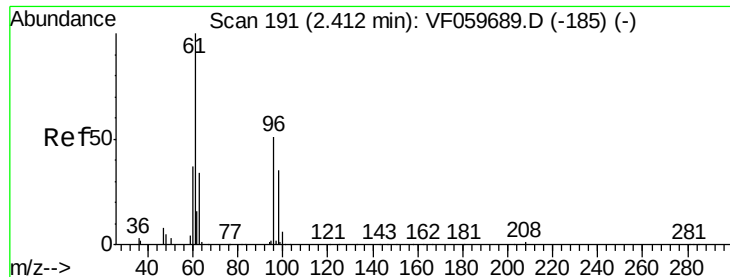
apatel
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#20
Methylene Chloride
Concen: 54.16 ug/l m
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.5	142.2	213.4
51	47.9	46.2	69.2
86	62.7	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 54.04 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Instrument :

MSVOA_F

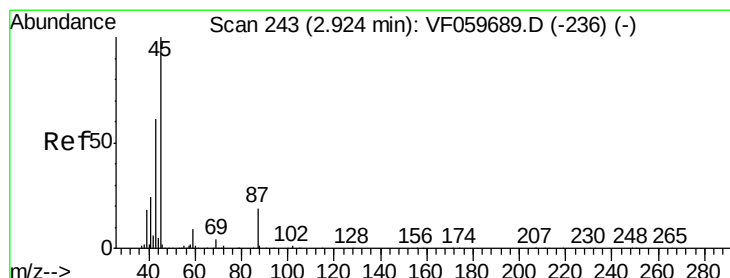
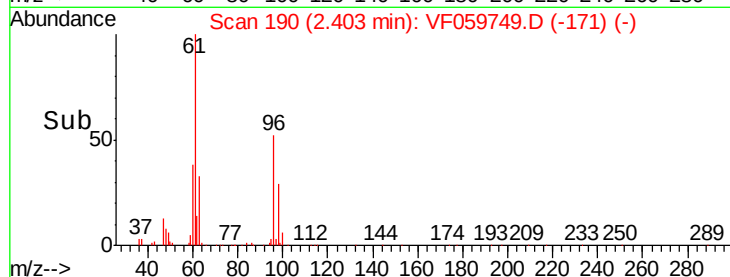
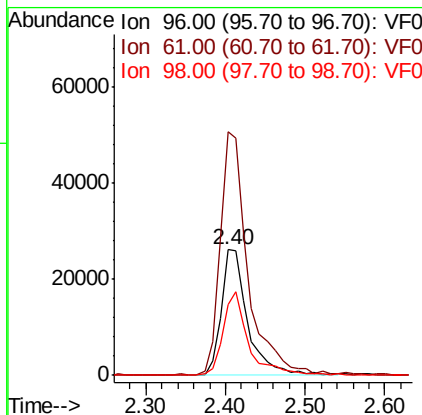
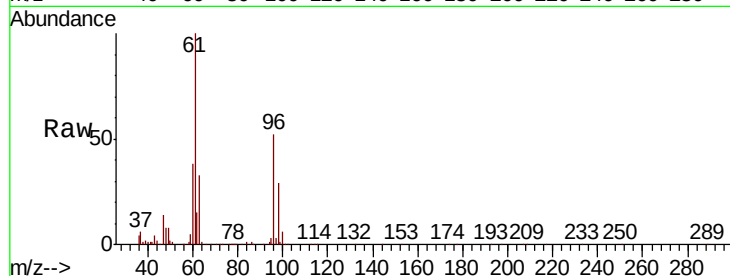
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	61384
Ion	Ratio	Lower	Upper
96	100		
61	193.6	157.4	236.0
98	56.5	55.0	82.4

Manual Integrations
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apatel
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#22

Diisopropyl ether

Concen: 48.75 ug/l

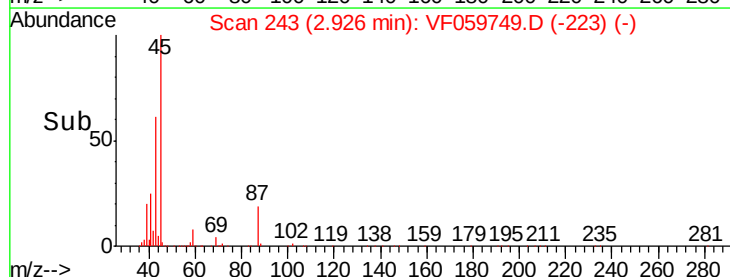
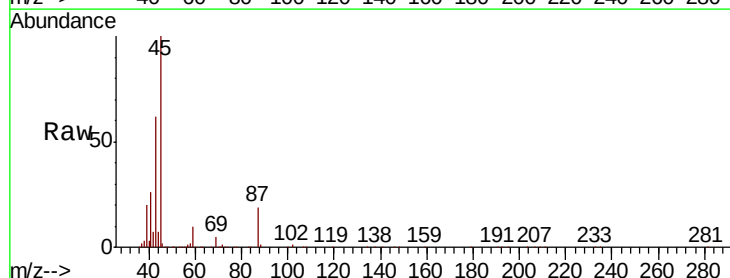
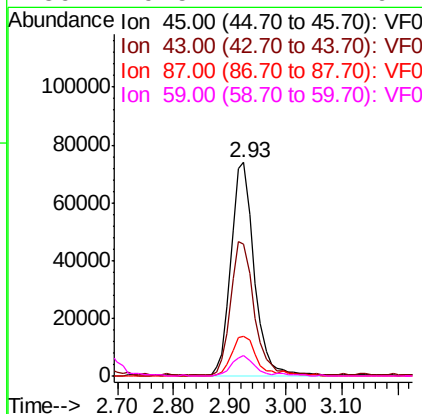
RT: 2.93 min Scan# 243

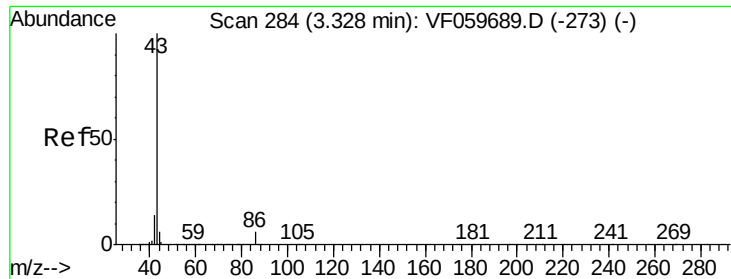
Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Tgt Ion:	45	Resp:	214383
Ion	Ratio	Lower	Upper
45	100		
43	61.7	49.3	73.9
87	18.6	15.3	22.9
59	9.5	7.1	10.7





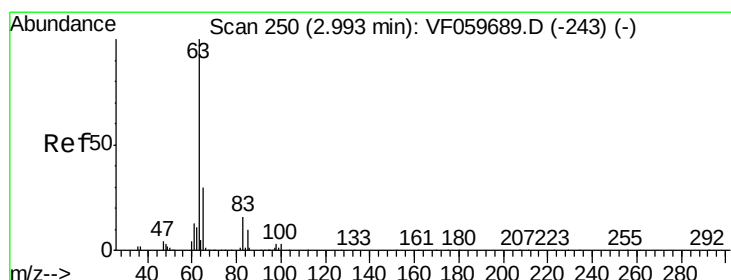
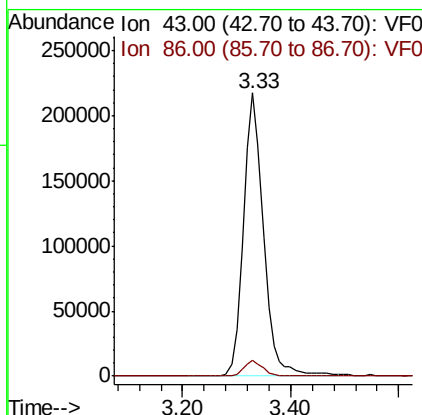
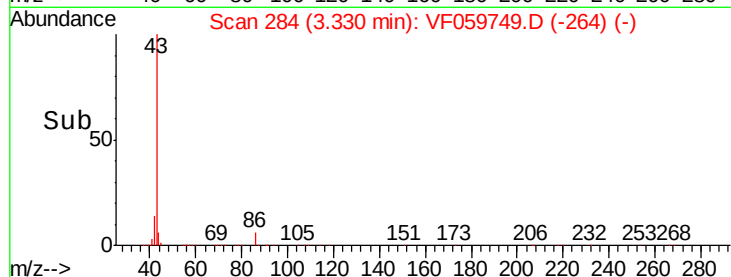
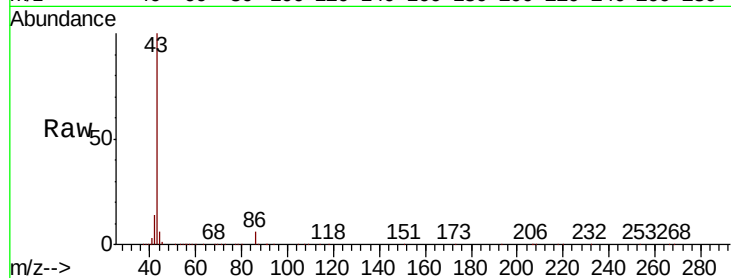
#23
 Vinyl Acetate
 Concen: 245.56 ug/l
 RT: 3.33 min Scan# 284
 Delta R.T. 0.00 min
 Lab File: VF059749.D
 Acq: 1 Aug 2018 11:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
86	5.5	4.6	6.8

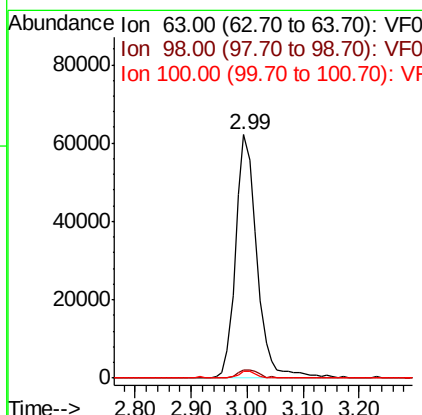
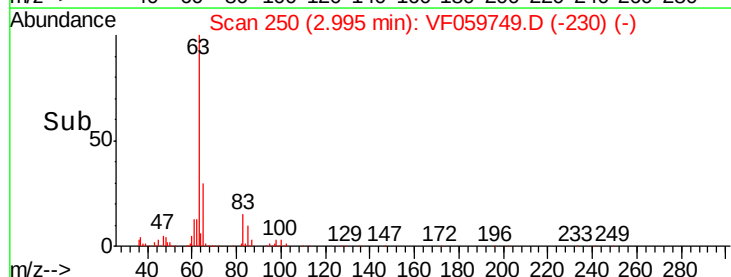
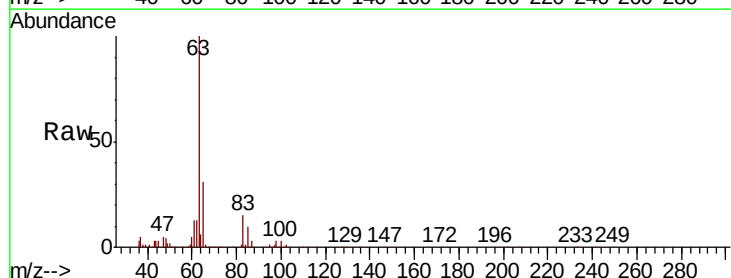
Manual Integrations
 APPROVED

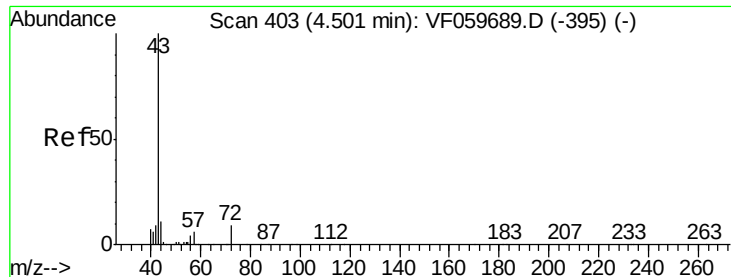
apatel
 8/2/2018 12:22:56 PM



#24
 1,1-Dichloroethane
 Concen: 53.80 ug/l
 RT: 2.99 min Scan# 250
 Delta R.T. 0.00 min
 Lab File: VF059749.D
 Acq: 1 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
63	100		
98	3.4	1.4	4.2
100	2.9	1.6	4.7





#25

2-Butanone

Concen: 213.16 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 129343

Ion Ratio Lower Upper

43 100

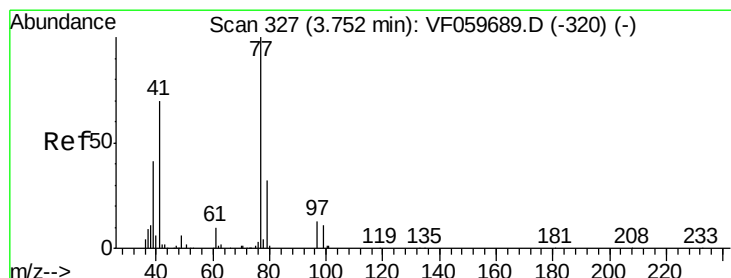
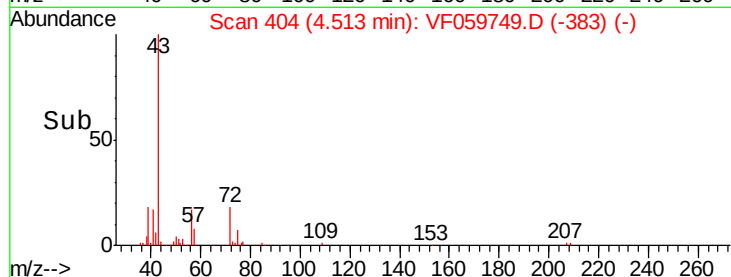
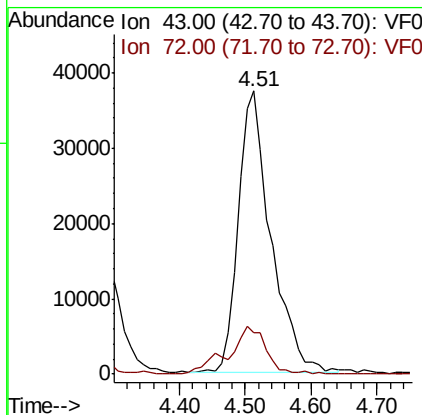
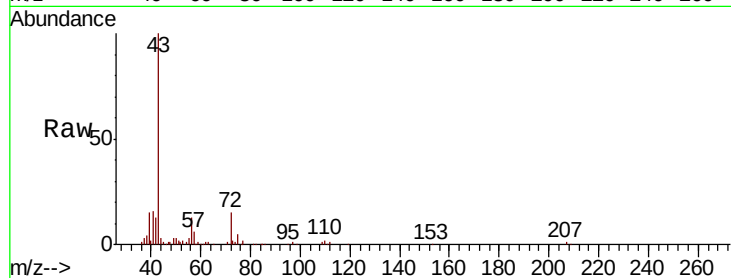
72 14.8 7.7 11.5#

Manual Integrations

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apatel

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#26

2,2-Dichloropropane

Concen: 51.00 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059749.D

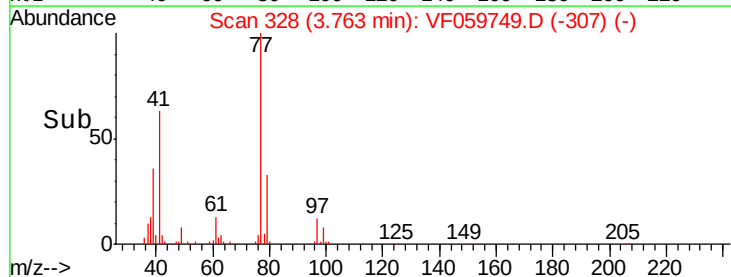
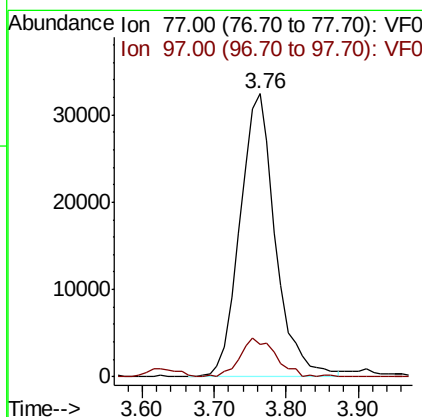
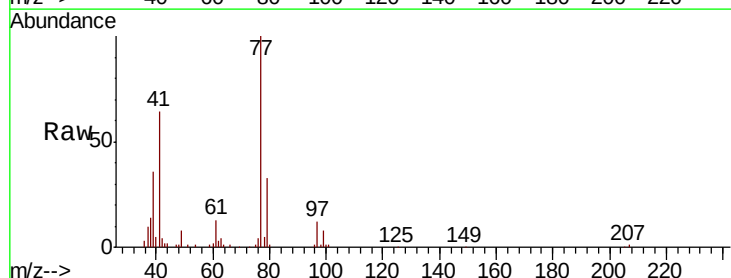
Acq: 1 Aug 2018 11:53

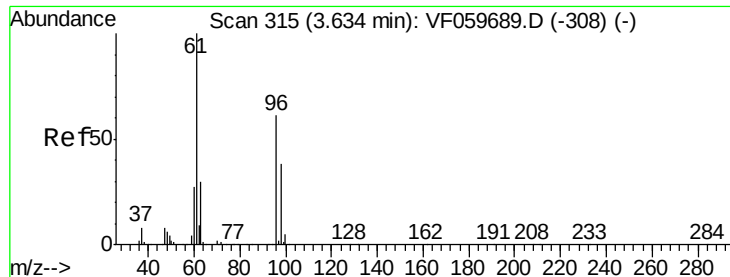
Tgt Ion: 77 Resp: 111093

Ion Ratio Lower Upper

77 100

97 11.6 6.8 20.4





#27

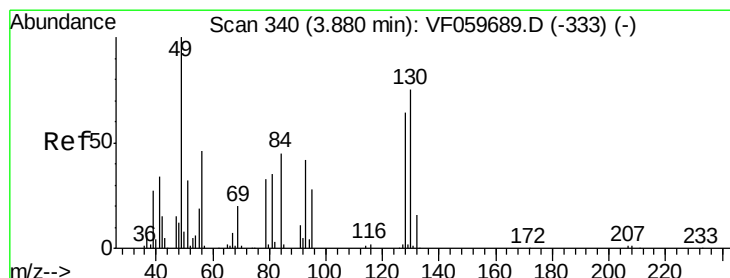
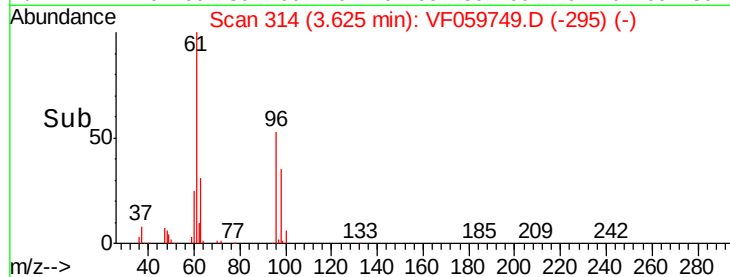
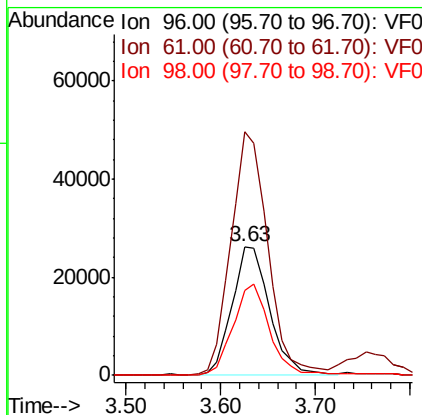
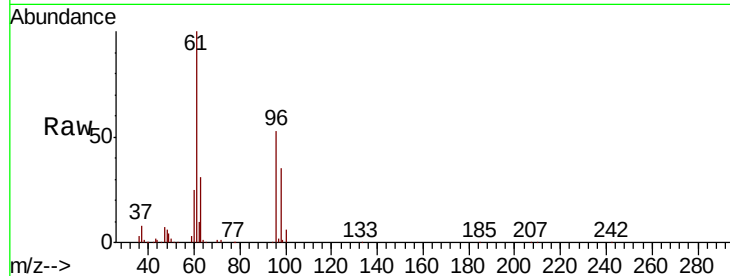
cis-1,2-Dichloroethene
Concen: 44.33 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	189.2	0.0	326.8
98	65.8	0.0	125.2

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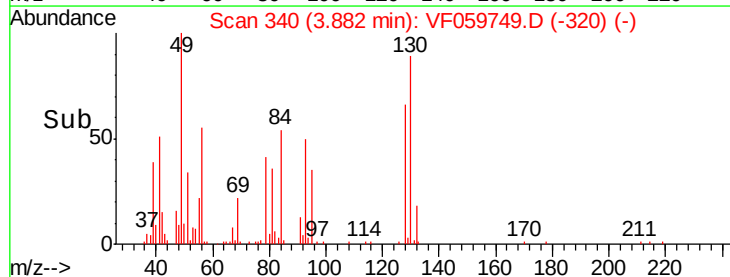
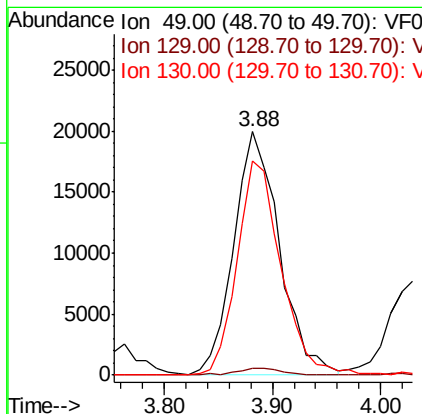
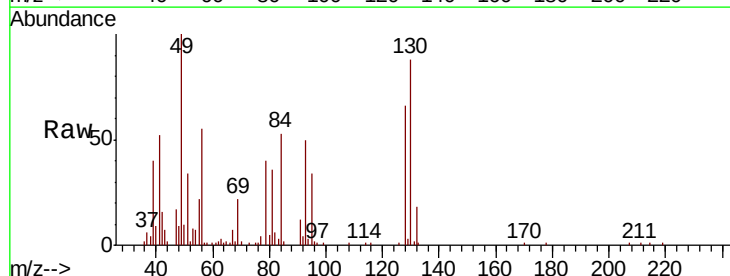
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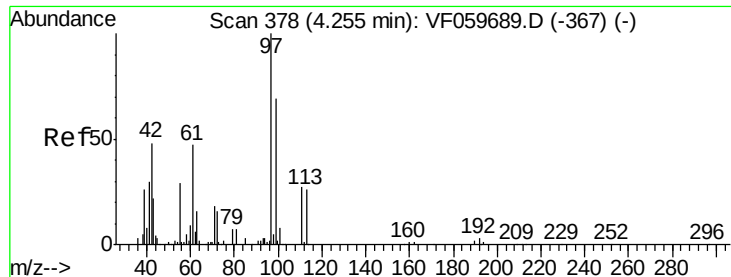


#28

Bromochloromethane
Concen: 55.85 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.8
130	87.8	59.6	89.4





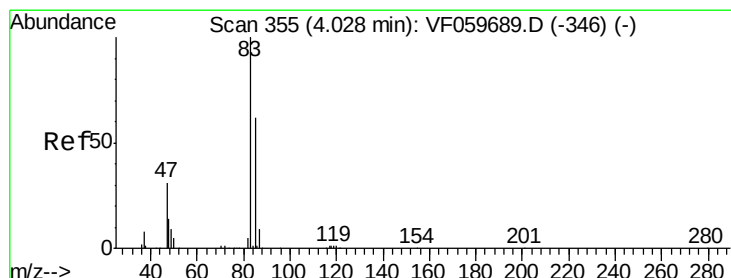
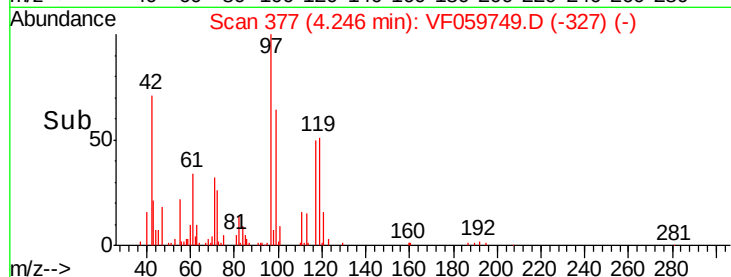
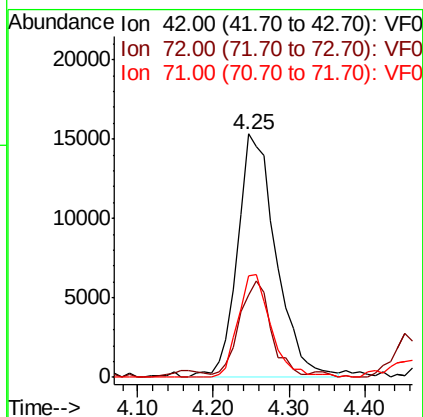
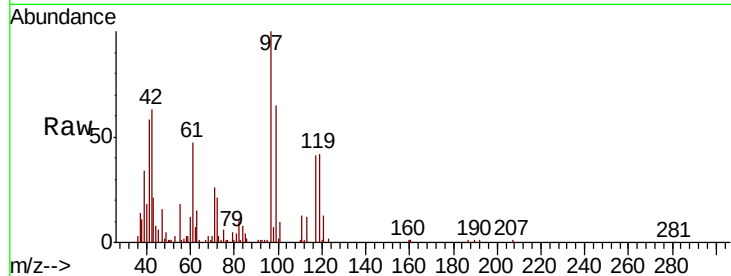
#29
Tetrahydrofuran
Concen: 233.29 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	42	Resp	54407
Ion	Ratio	Lower	Upper
42	100		
72	32.7	27.0	40.6
71	35.9	29.7	44.5

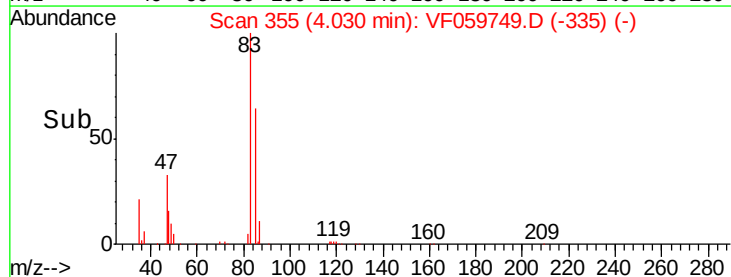
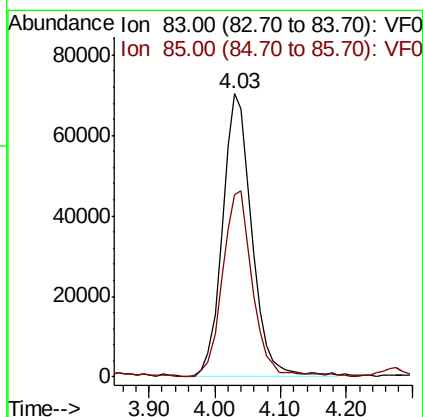
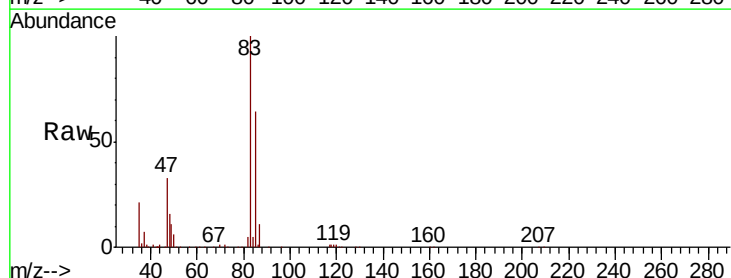
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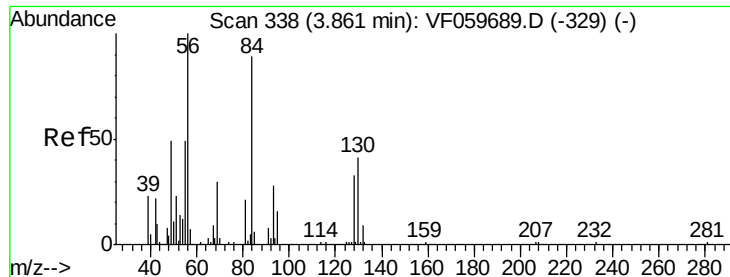
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#30
Chloroform
Concen: 50.91 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Tgt Ion	83	Resp	219558
Ion	Ratio	Lower	Upper
83	100		
85	64.5	49.4	74.0





#31

Cyclohexane

Concen: 47.53 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.01 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Instrument :

MSVOA_F

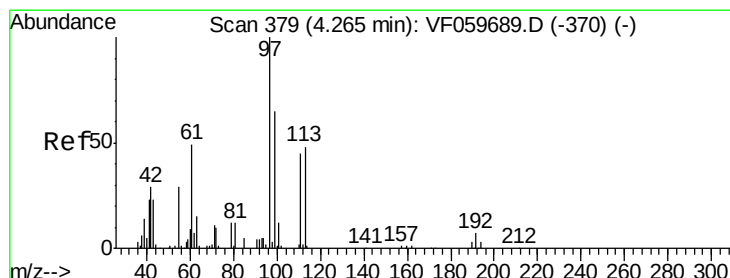
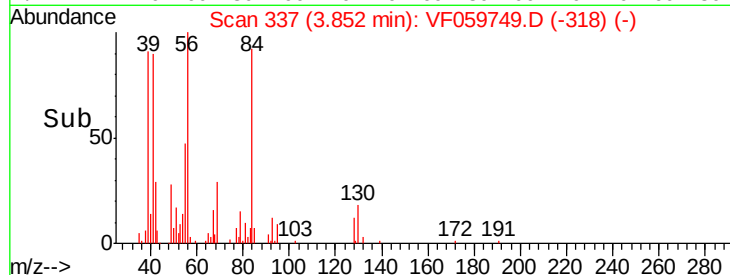
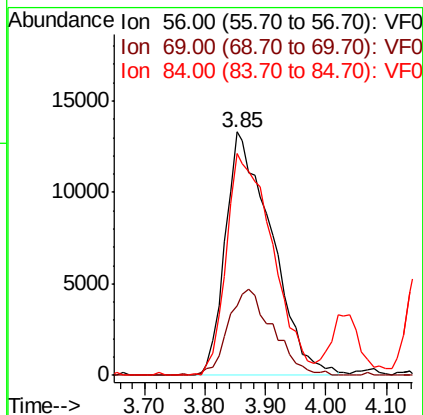
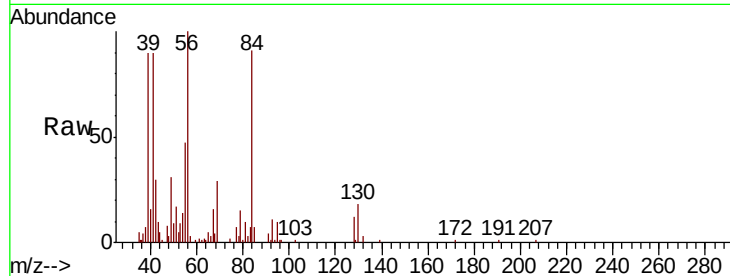
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	70681
Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.7	35.5
84	91.4	71.1	106.7

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#32

1,1,1-Trichloroethane

Concen: 53.94 ug/l

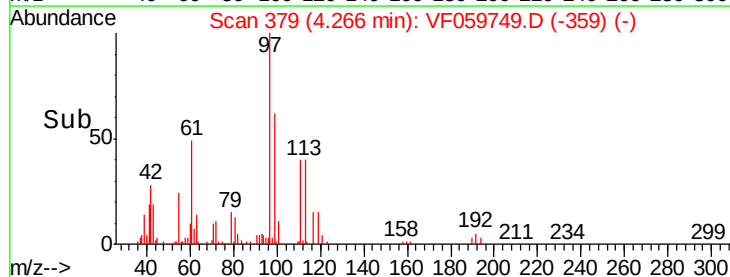
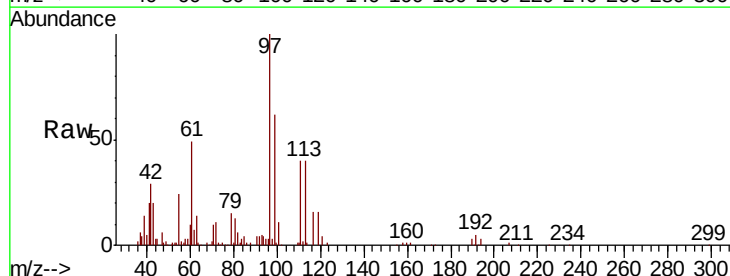
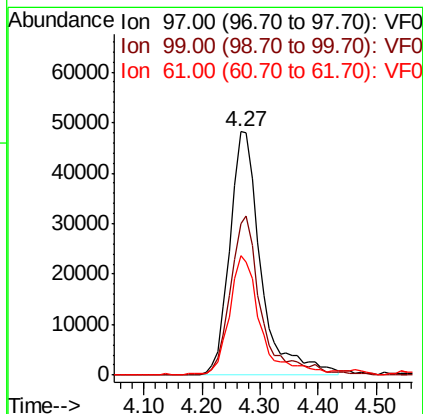
RT: 4.27 min Scan# 379

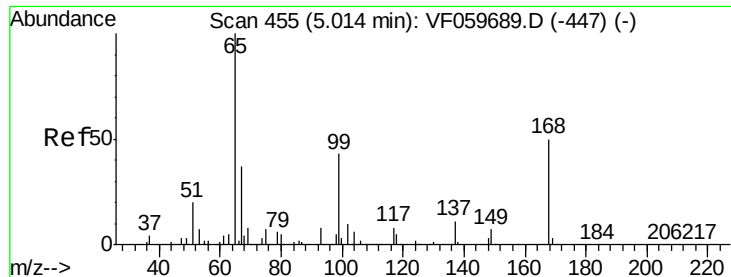
Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Tgt Ion:	97	Resp:	180427
Ion	Ratio	Lower	Upper
97	100		
99	62.3	52.4	78.6
61	48.9	39.7	59.5





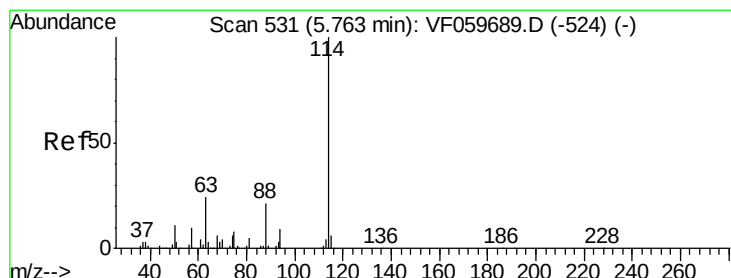
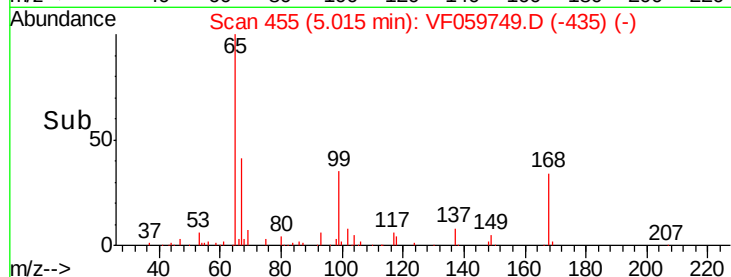
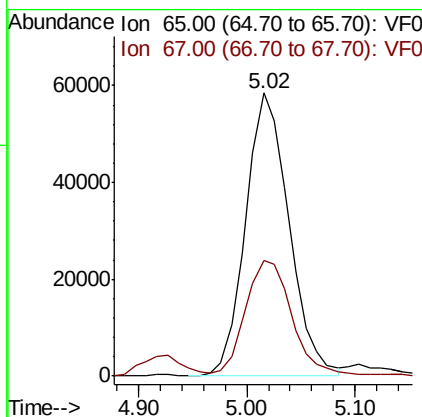
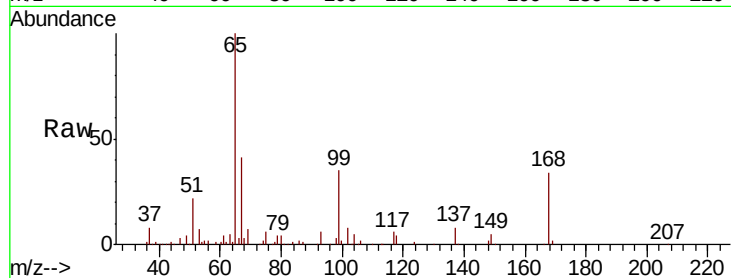
#33
 1,2-Dichloroethane-d4
 Concen: 54.06 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059749.D
 Acq: 1 Aug 2018 11:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	163418		
67	40.9	0.0	84.6	

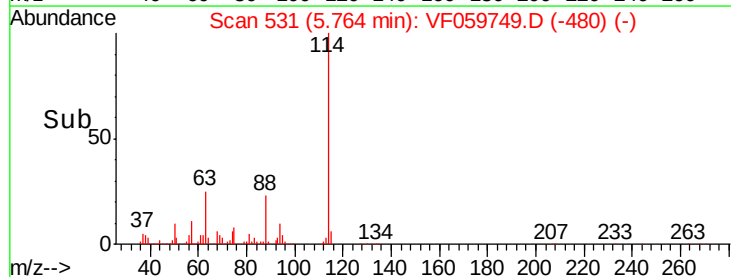
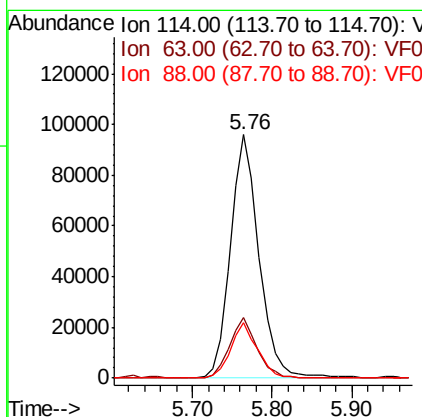
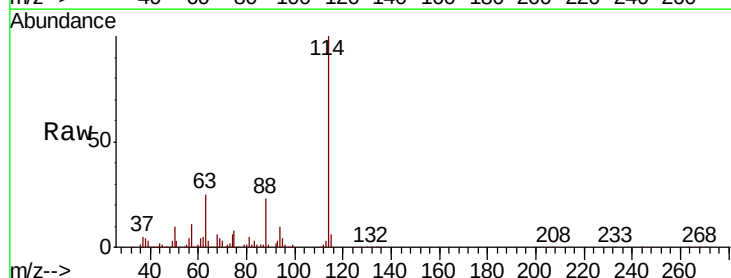
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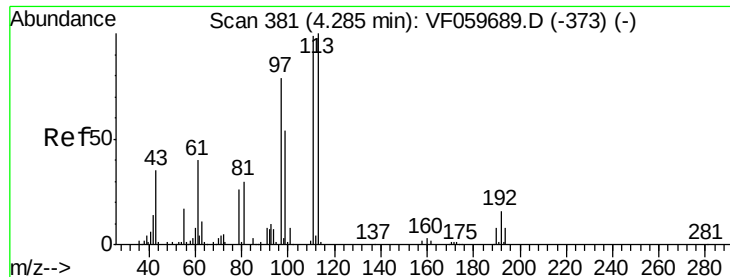
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059749.D
 Acq: 1 Aug 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	239998		
63	24.9	0.0	47.4	
88	22.5	0.0	41.2	





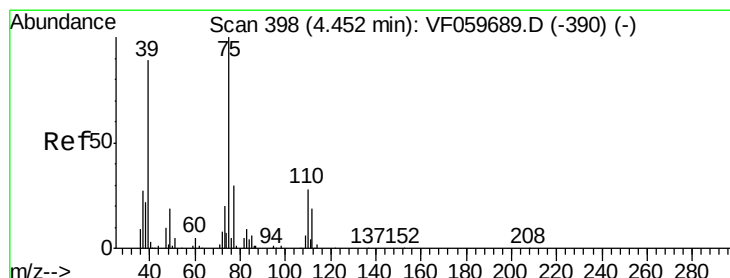
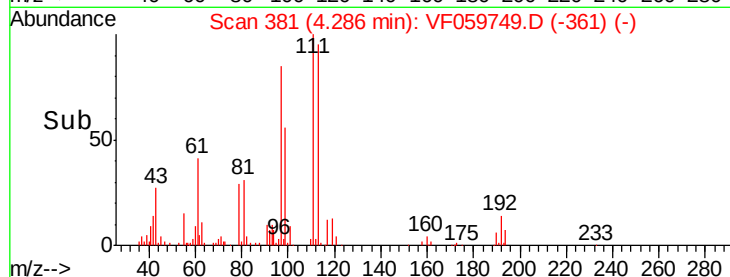
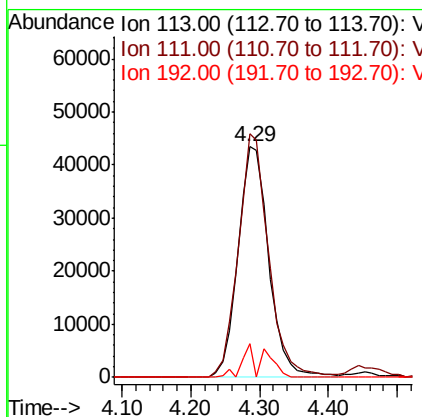
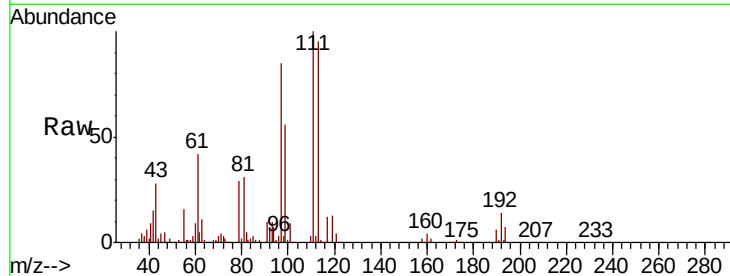
#35
 Dibromofluoromethane
 Concen: 54.02 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059749.D
 Acq: 1 Aug 2018 11:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	105.5	79.0	118.4	
192	14.4	13.2	19.8	

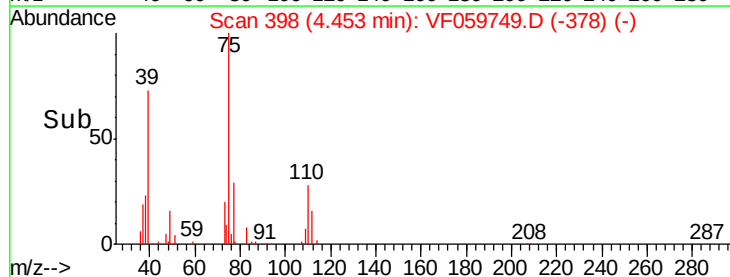
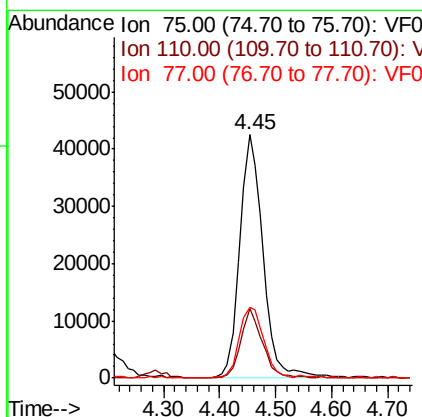
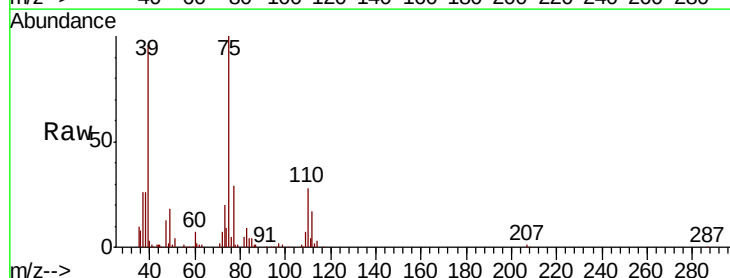
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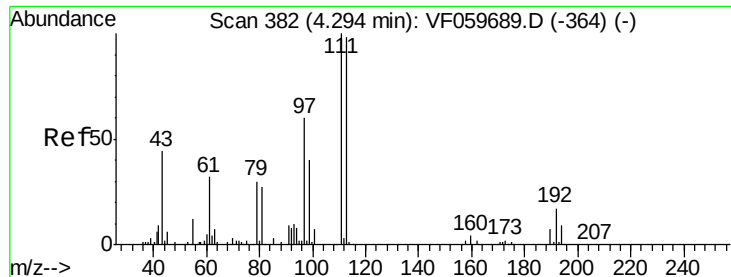
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#36
 1,1-Dichloropropene
 Concen: 50.72 ug/l
 RT: 4.45 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF059749.D
 Acq: 1 Aug 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	28.3	14.0	41.9	
77	29.3	24.2	36.2	





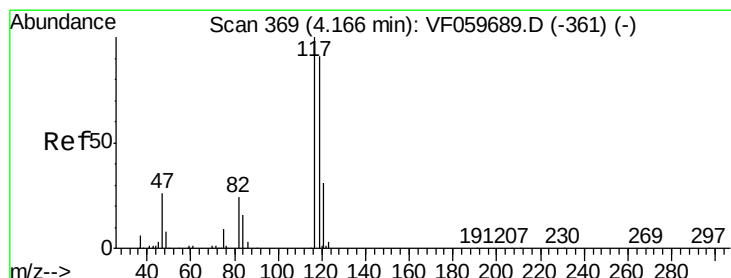
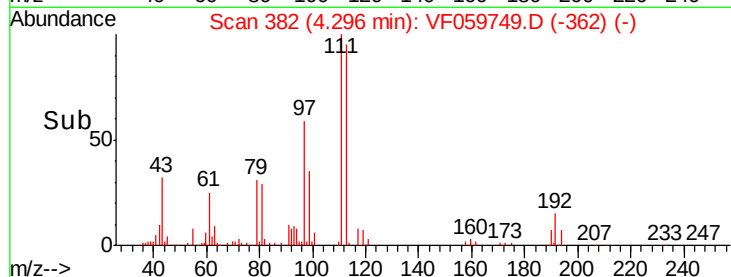
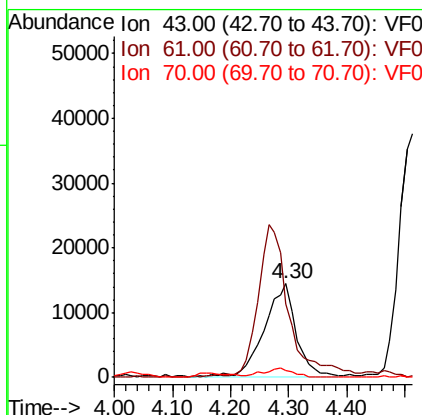
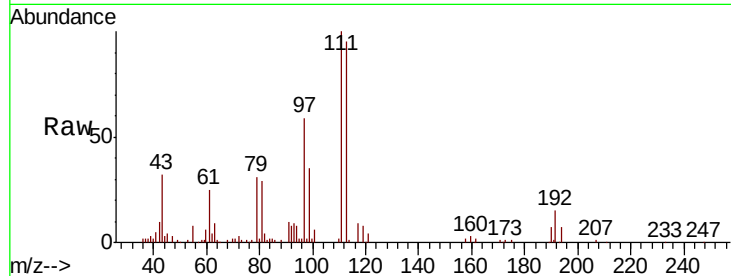
#37
Ethyl Acetate
Concen: 46.66 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	78.9	58.2	87.2
70	7.0	6.0	9.0

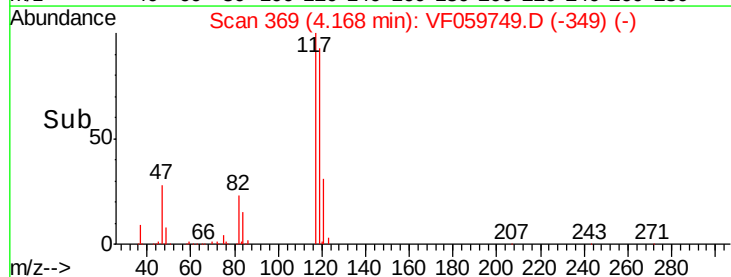
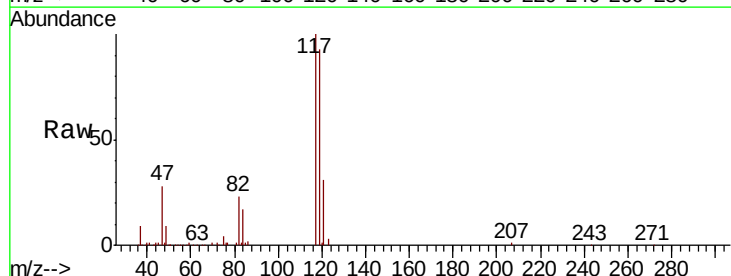
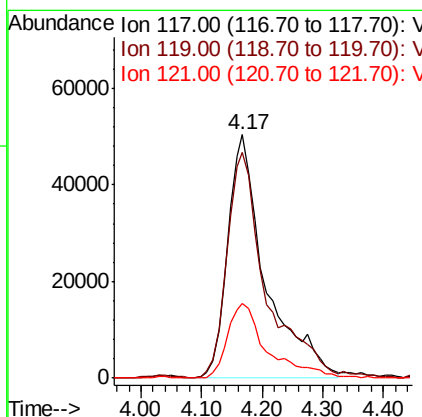
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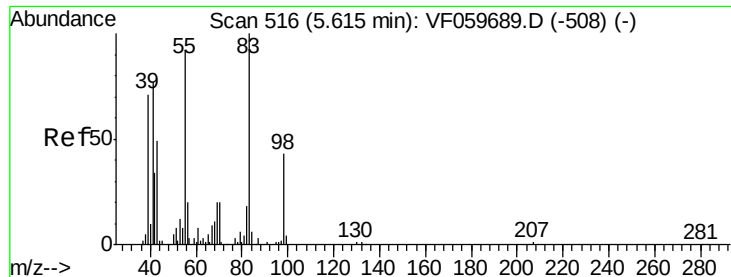
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#38
Carbon Tetrachloride
Concen: 57.68 ug/l
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	72.9	109.3
121	30.7	25.0	37.4





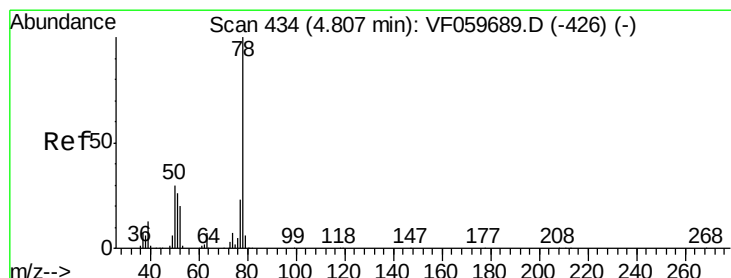
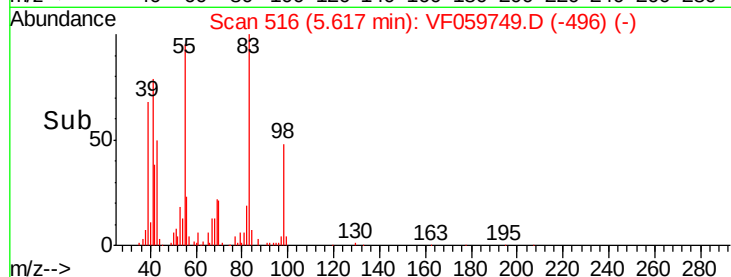
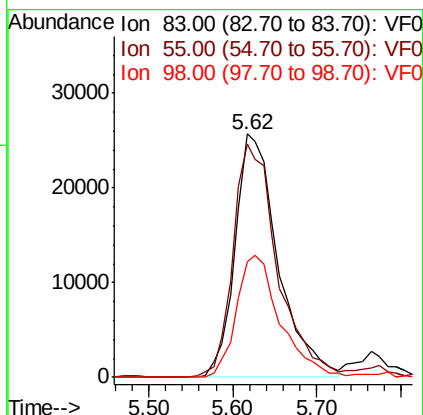
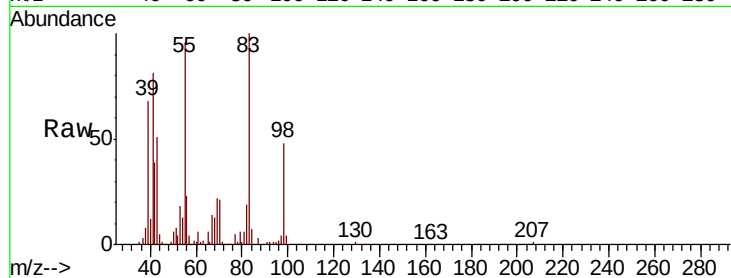
#39
Methylvlcyclohexane
Concen: 49.59 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp:	91928
Ion	Ratio	Lower	Upper
83	100		
55	95.7	73.4	110.2
98	47.7	34.2	51.4

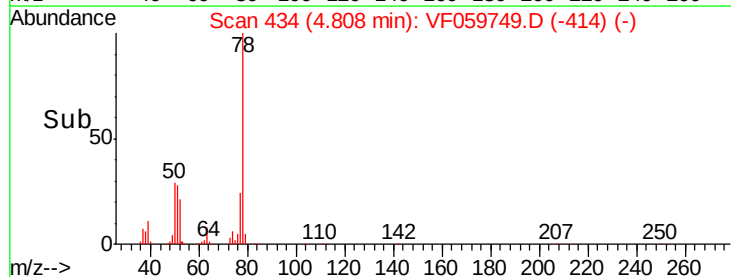
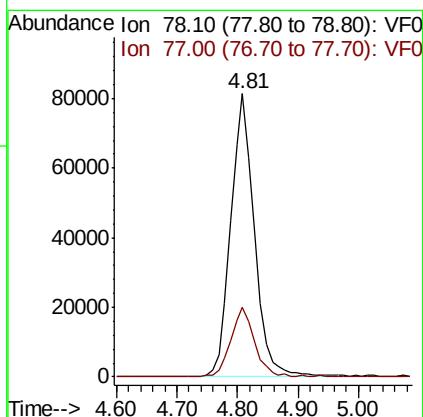
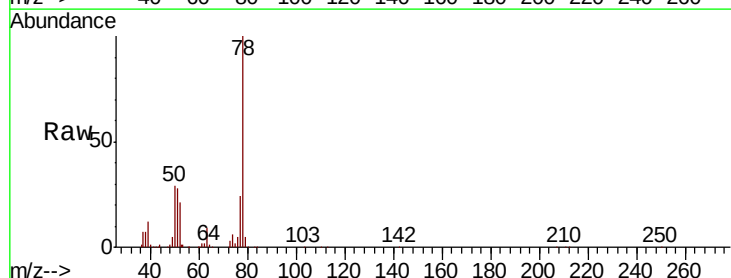
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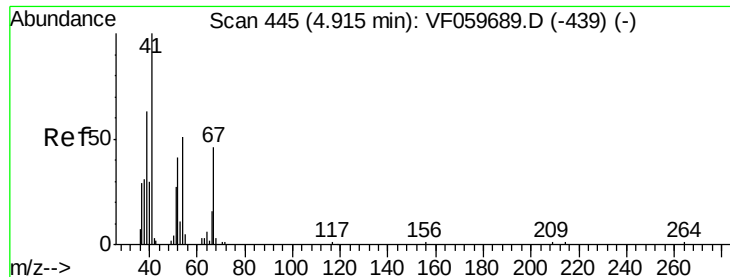
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#40
Benzene
Concen: 45.44 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Tgt Ion	78	Resp:	220256
Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.9	28.3





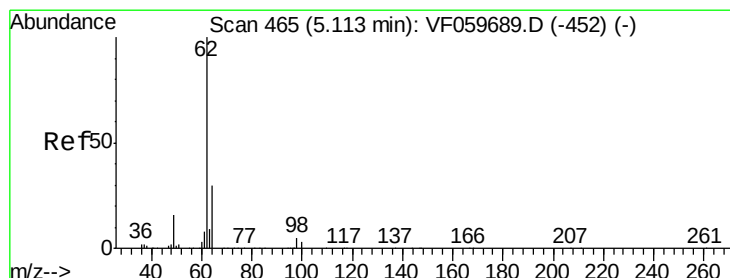
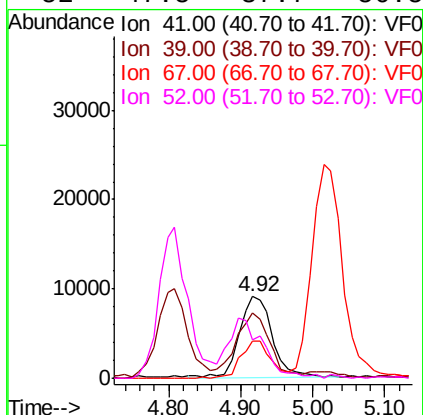
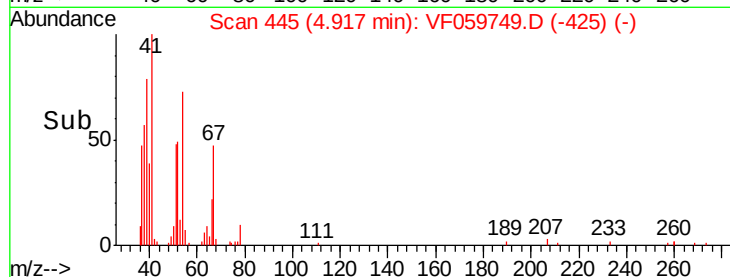
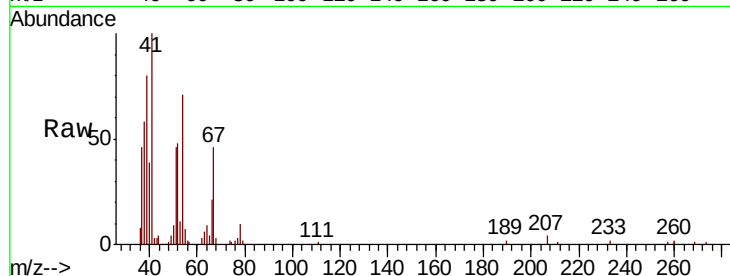
#41
Methacrylonitrile
Concen: 48.41 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	80.0	55.2	82.8	
67	45.6	36.2	54.2	
52	47.5	37.7	56.5	

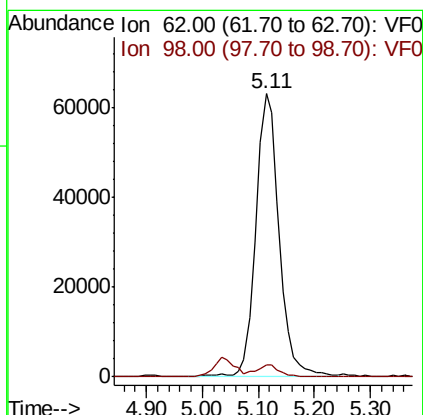
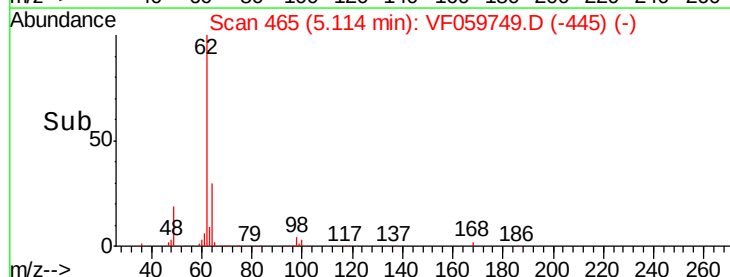
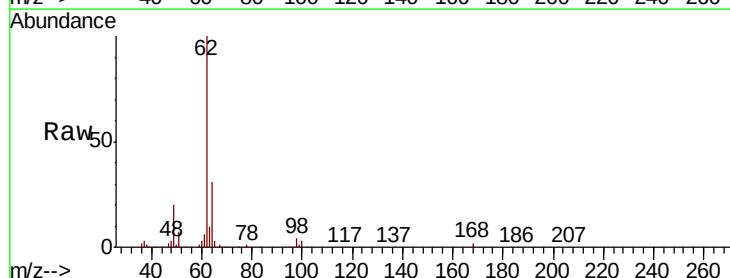
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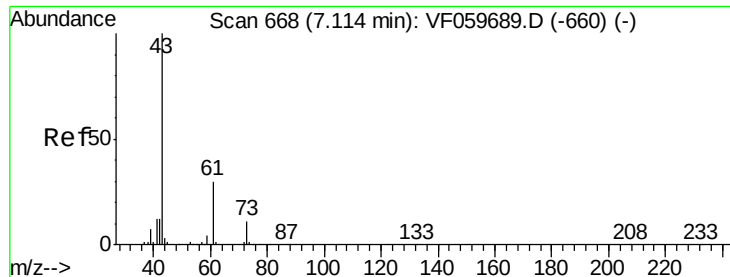
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#42
1,2-Dichloroethane
Concen: 53.60 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	4.0	0.0	9.6	





#43

Isopropyl Acetate

Concen: 39.54 ug/l

RT: 7.11 min Scan# 668

Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Instrument :

MSVOA_F

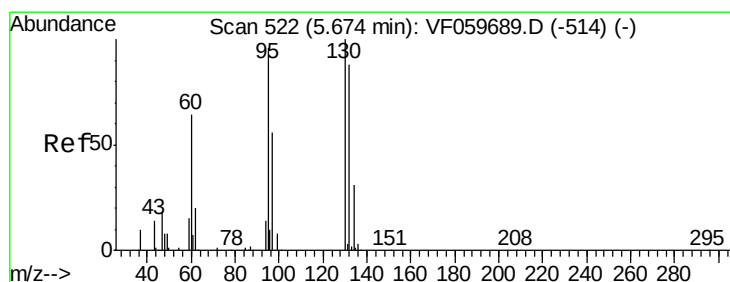
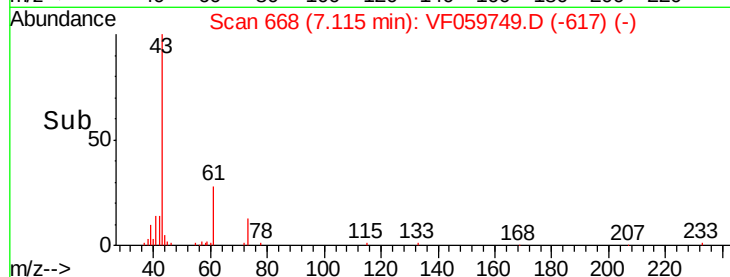
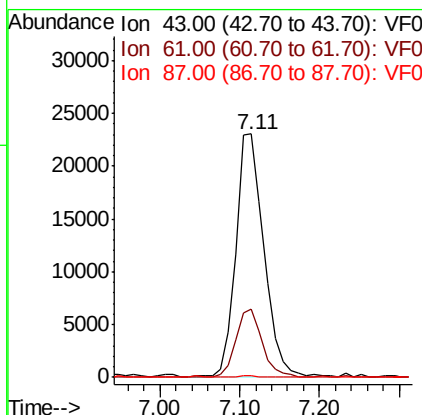
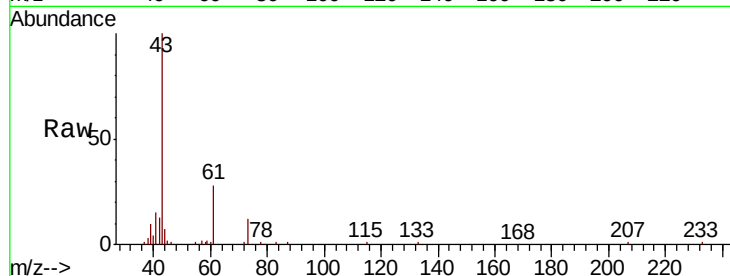
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	56736
Ion	Ratio	Lower	Upper
43	100		
61	28.0	23.8	35.8
87	0.8	0.6	1.0

Manual Integrations
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#44

Trichloroethene

Concen: 53.42 ug/l

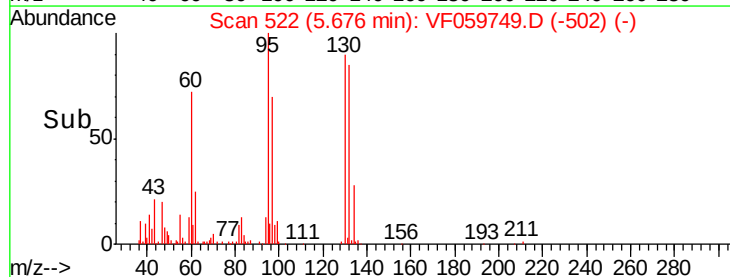
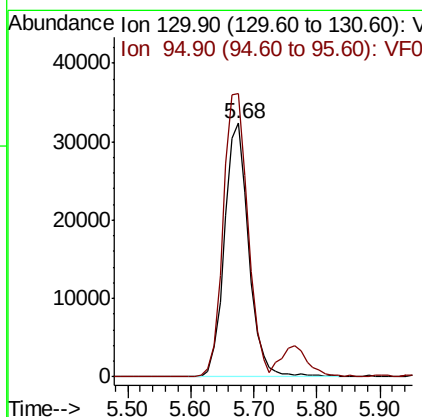
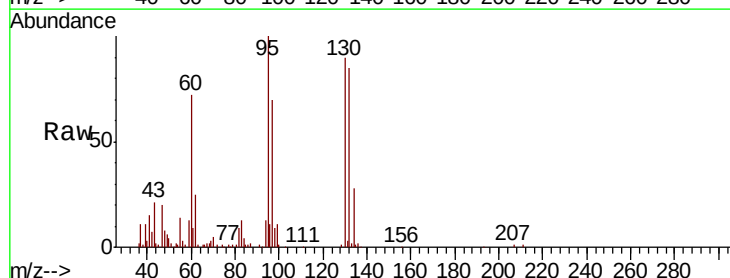
RT: 5.68 min Scan# 522

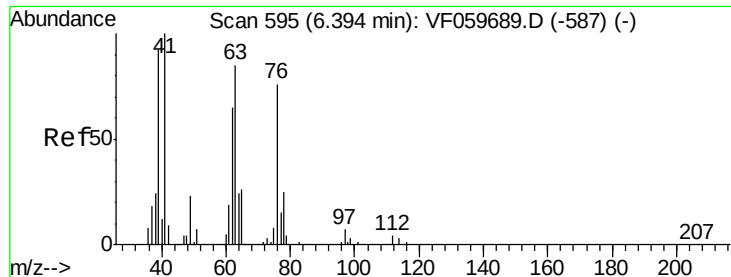
Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Tgt Ion:	130	Resp:	86251
Ion	Ratio	Lower	Upper
130	100		
95	111.7	0.0	191.0





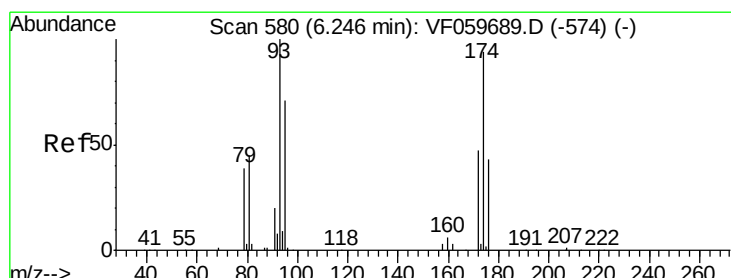
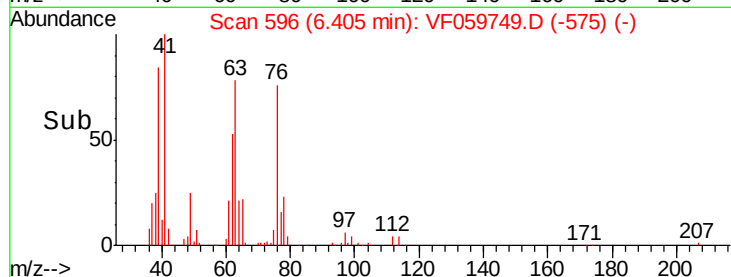
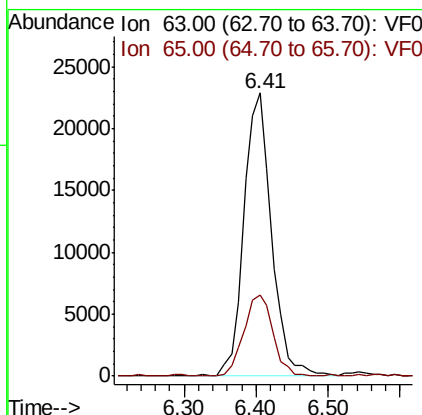
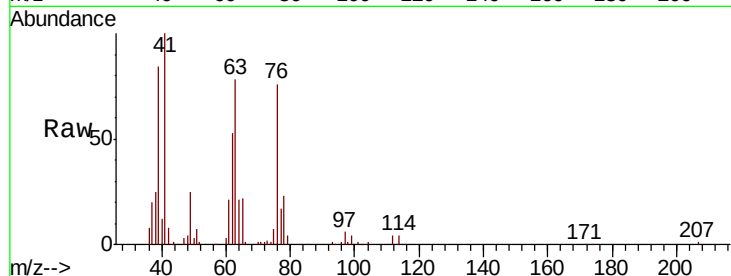
#45
 1,2-Dichloropropane
 Concen: 47.77 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: VF059749.D
 Acq: 1 Aug 2018 11:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 61144
 Ion Ratio Lower Upper
 63 100
 65 28.6 25.2 37.8

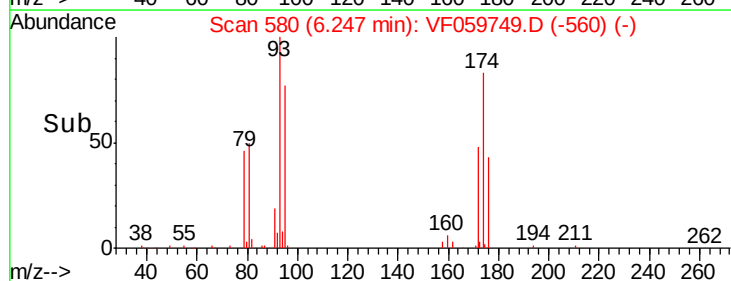
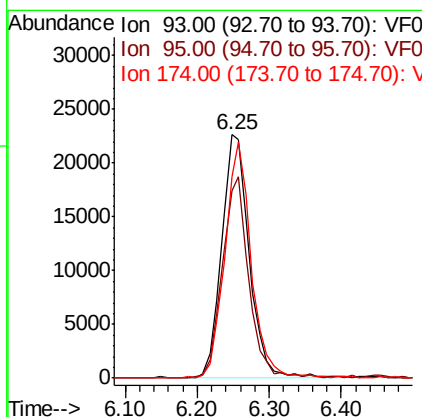
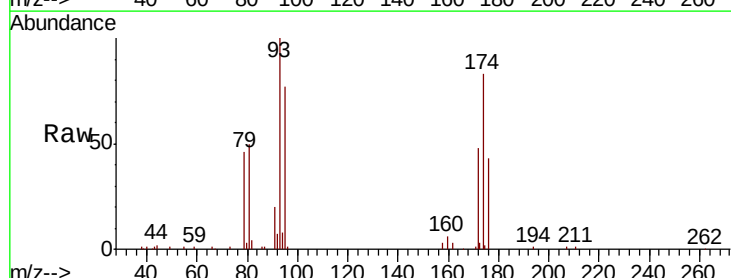
Manual Integrations
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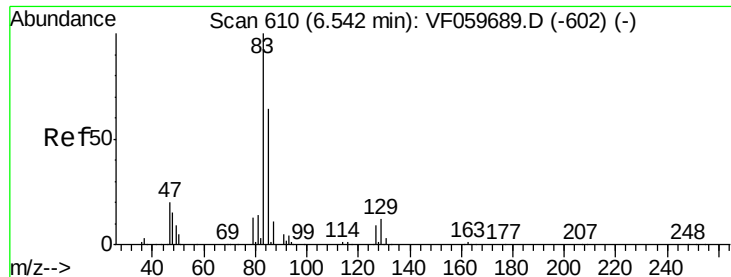
apatel
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#46
 Dibromomethane
 Concen: 49.20 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VF059749.D
 Acq: 1 Aug 2018 11:53

Tgt Ion: 93 Resp: 59793
 Ion Ratio Lower Upper
 93 100
 95 76.9 57.1 85.7
 174 84.6 74.8 112.2





#47

Bromodichloromethane

Concen: 52.11 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Instrument :

MSVOA_F

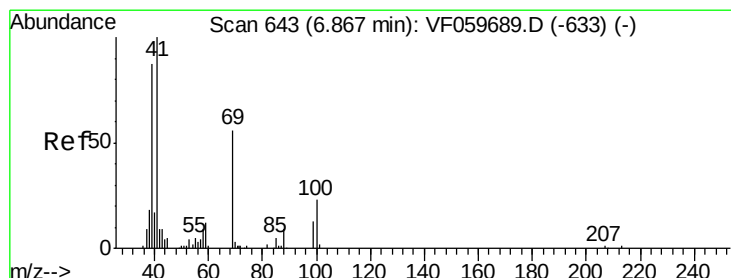
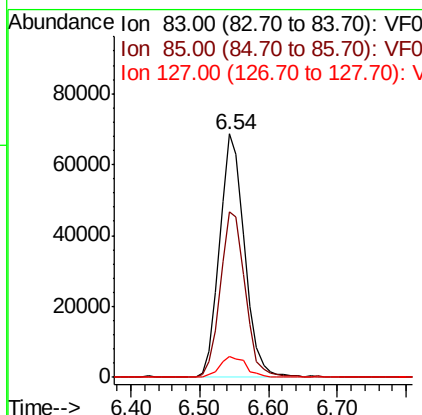
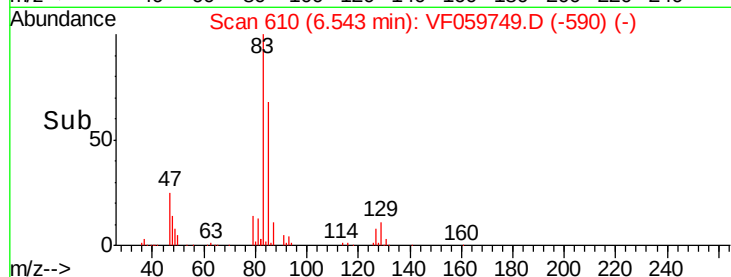
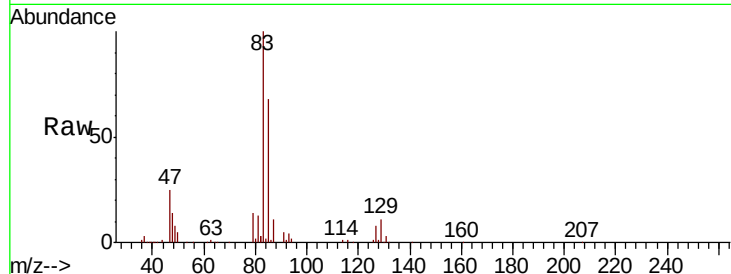
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	172452
Ion	Ratio	Lower	Upper
83	100		
85	67.9	51.0	76.6
127	8.4	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 42.68 ug/l

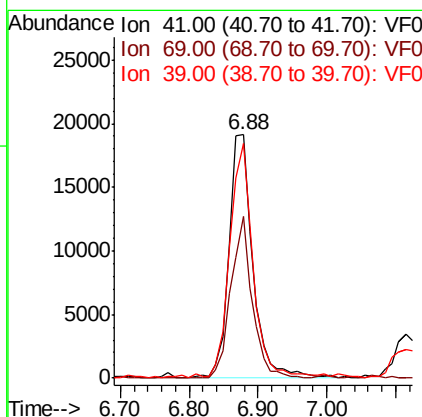
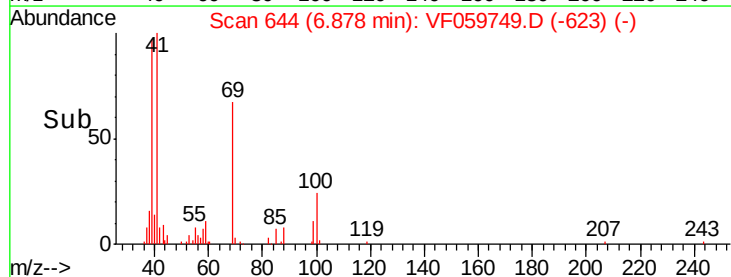
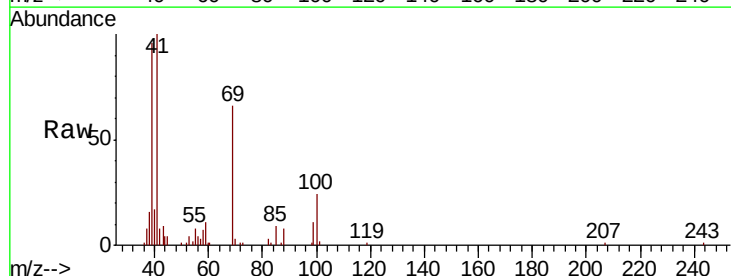
RT: 6.88 min Scan# 644

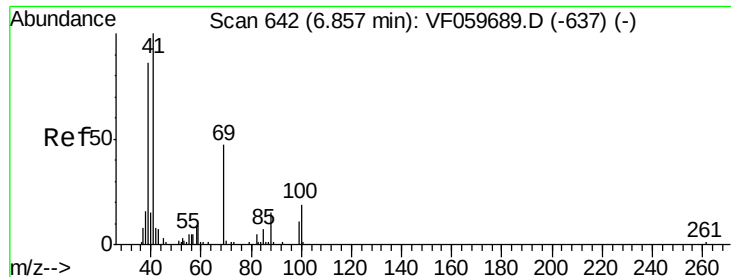
Delta R.T. 0.01 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Tgt Ion:	41	Resp:	46065
Ion	Ratio	Lower	Upper
41	100		
69	66.3	44.4	66.6
39	96.4	69.4	104.2





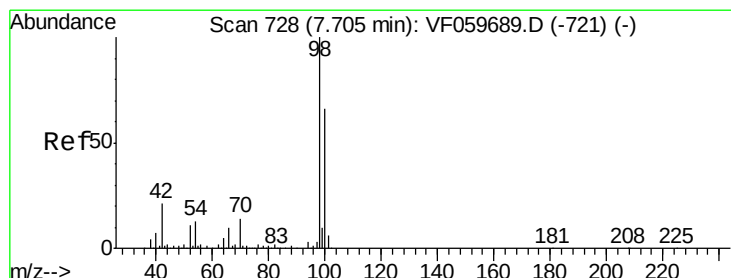
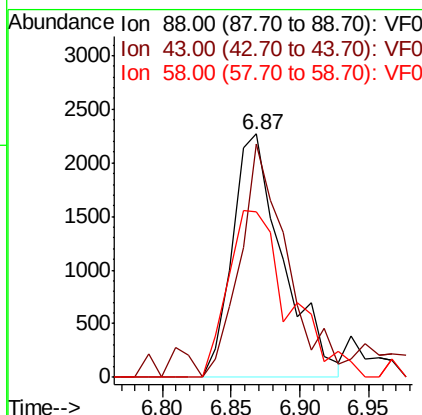
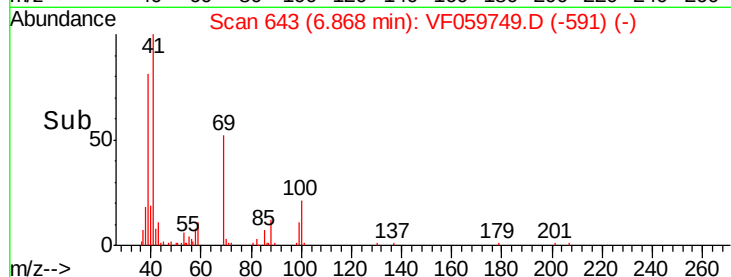
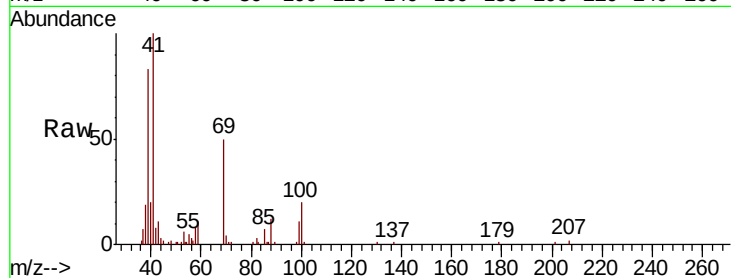
#49
1,4-Dioxane
Concen: 843.24 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	96.0	45.2	67.8#
58	67.8	49.0	73.6

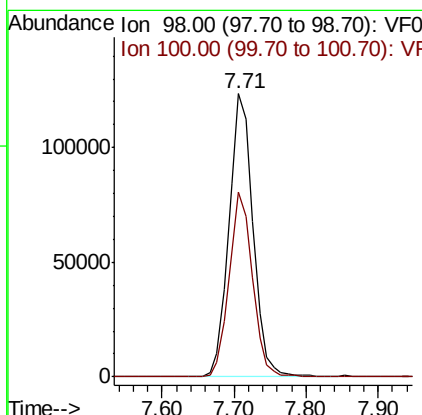
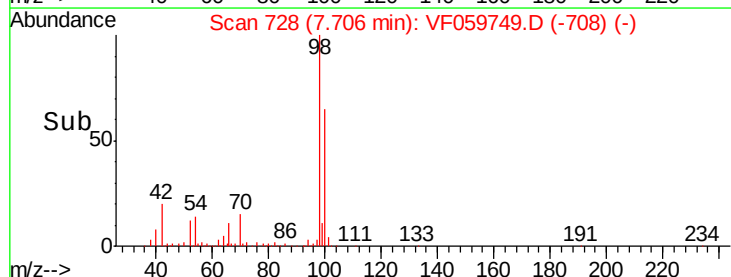
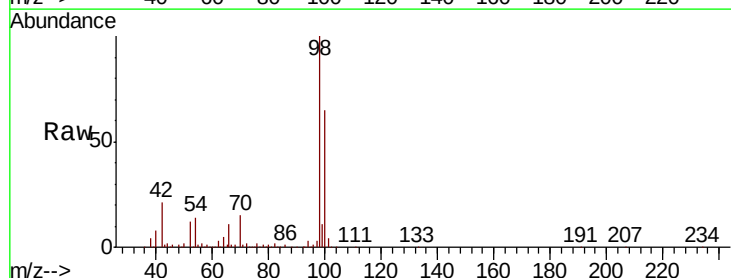
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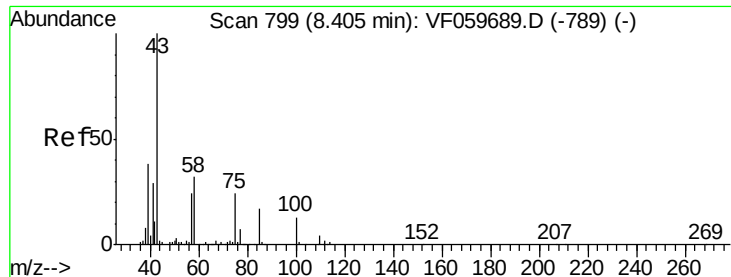
apatel
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#50
Toluene-d8
Concen: 49.46 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.8	79.2





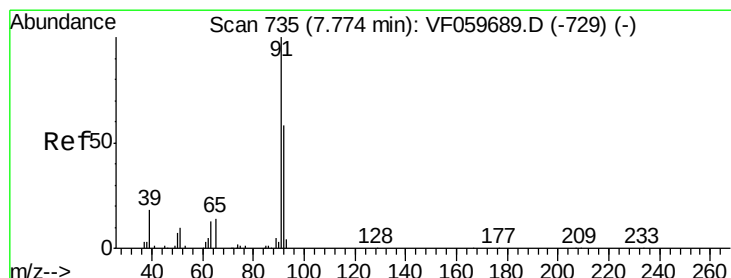
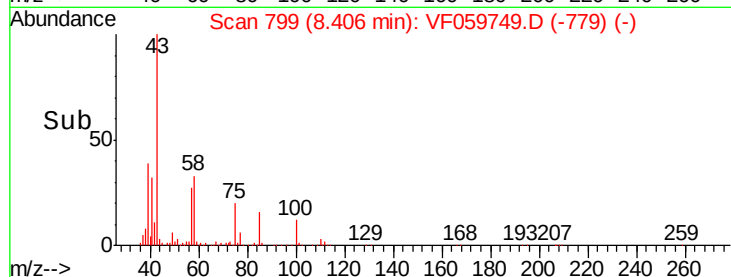
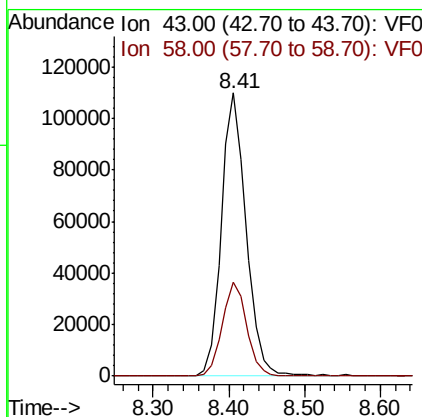
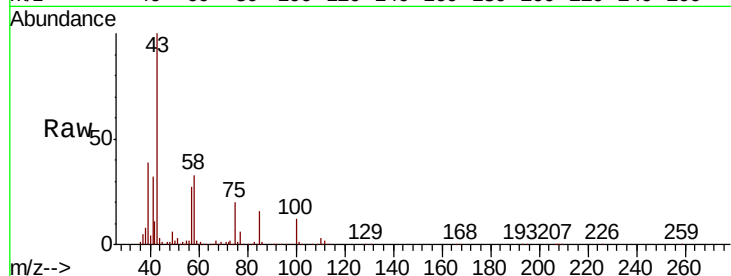
#51
4-Methyl-2-Pentanone
Concen: 228.19 ug/l
RT: 8.41 min Scan# 799
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	249111
Ion	Ratio	Lower	Upper
43	100		
58	33.4	25.9	38.9

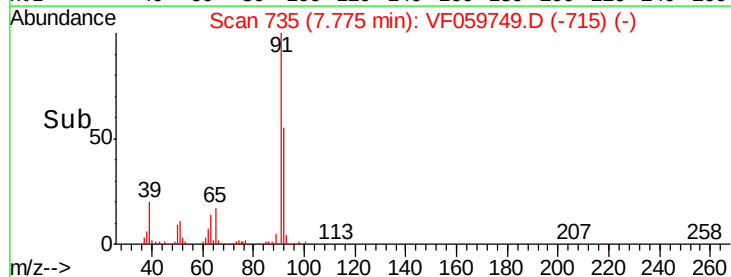
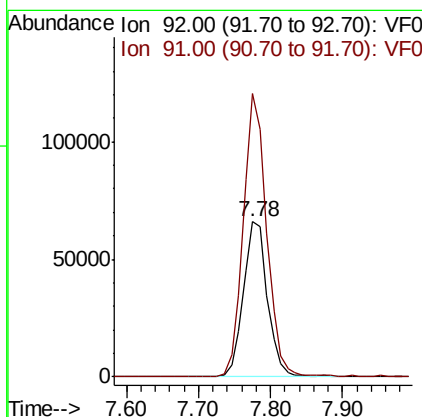
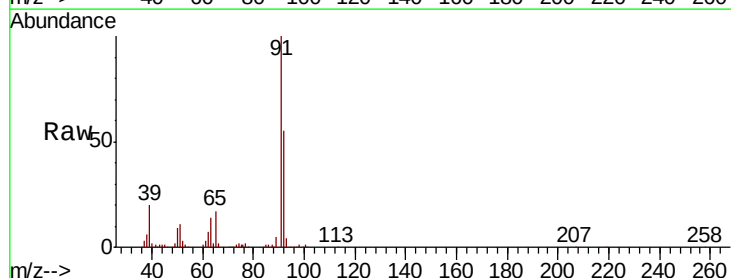
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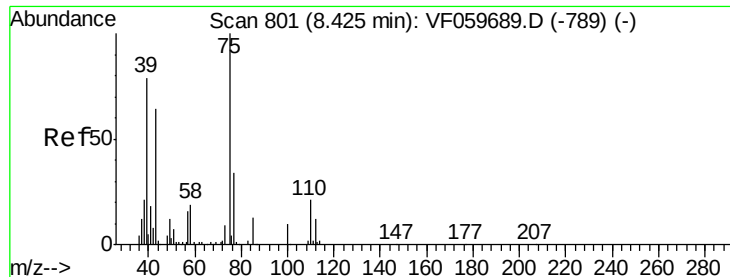
apatel
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#52
Toluene
Concen: 47.78 ug/l
RT: 7.78 min Scan# 735
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Tgt Ion	92	Resp	154547
Ion	Ratio	Lower	Upper
92	100		
91	182.2	139.0	208.4





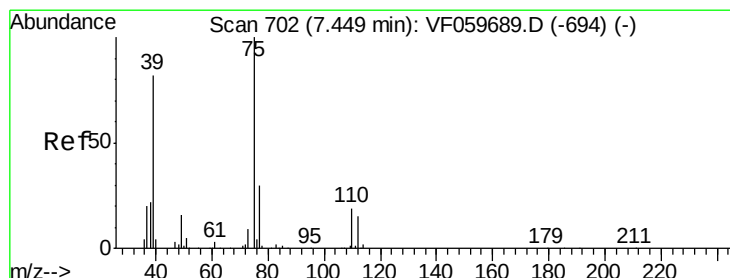
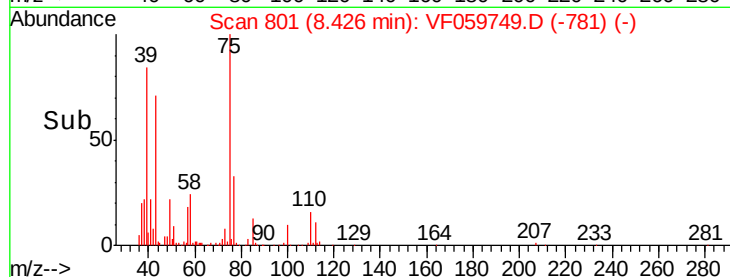
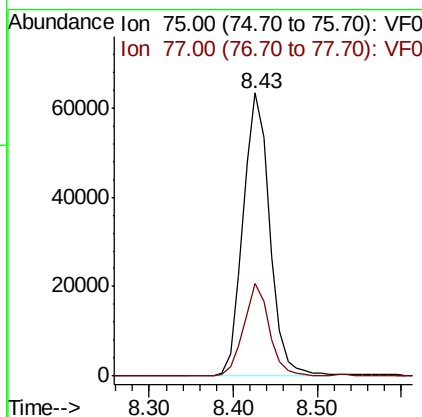
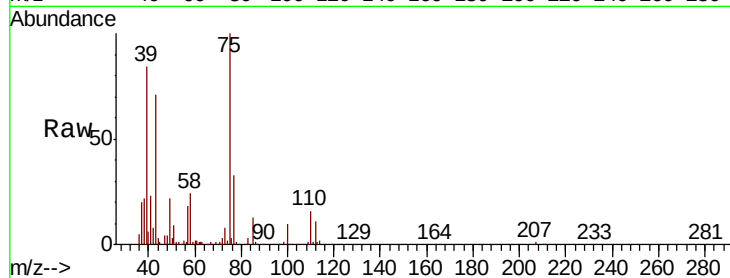
#53
t-1,3-Dichloropropene
Concen: 49.14 ug/l
RT: 8.43 min Scan# 801
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 141094
Ion Ratio Lower Upper
75 100
77 32.5 27.0 40.4

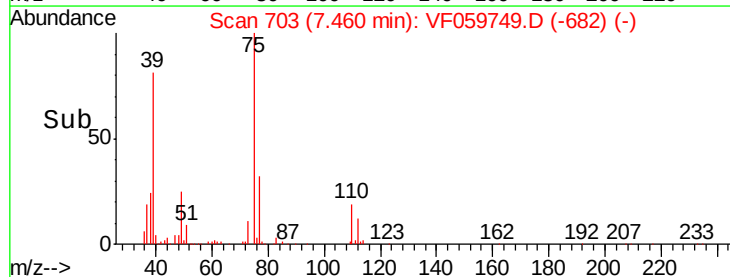
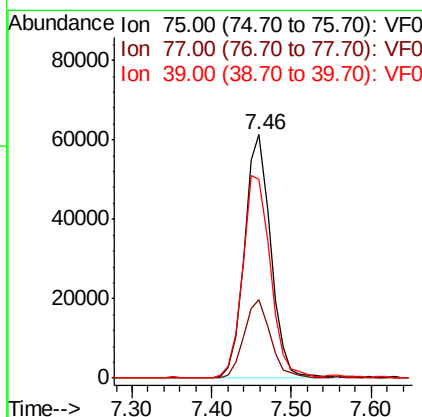
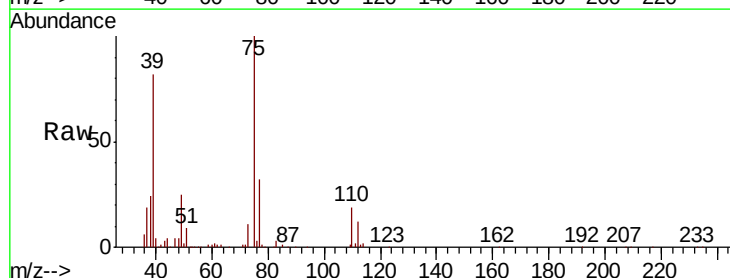
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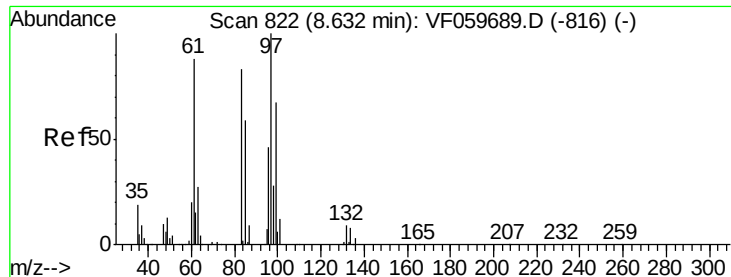
apatel
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#54
cis-1,3-Dichloropropene
Concen: 49.90 ug/l
RT: 7.46 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Tgt Ion: 75 Resp: 138780
Ion Ratio Lower Upper
75 100
77 32.3 24.0 36.0
39 81.8 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 48.25 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Instrument :

MSVOA_F

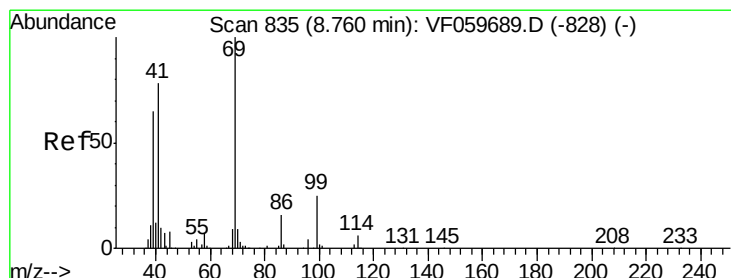
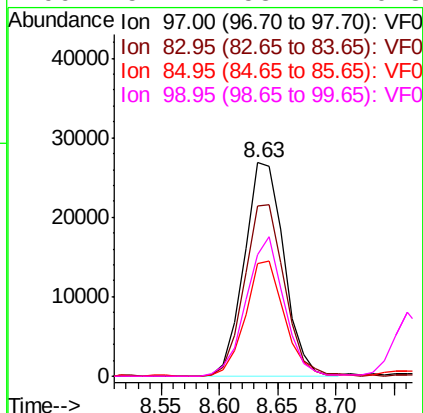
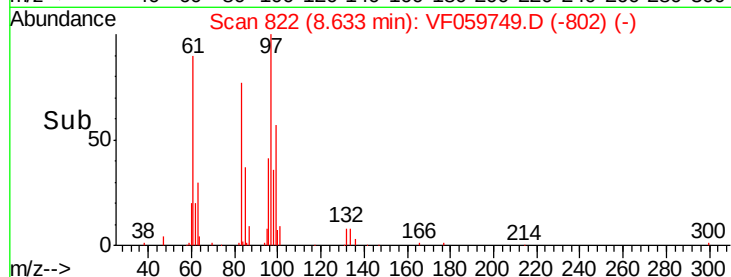
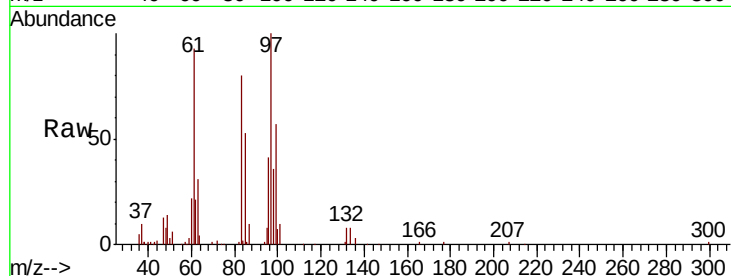
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	63335
Ion	Ratio	Lower	Upper
97	100		
83	79.9	66.6	100.0
85	52.8	47.4	71.0
99	57.2	53.2	79.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 44.32 ug/l

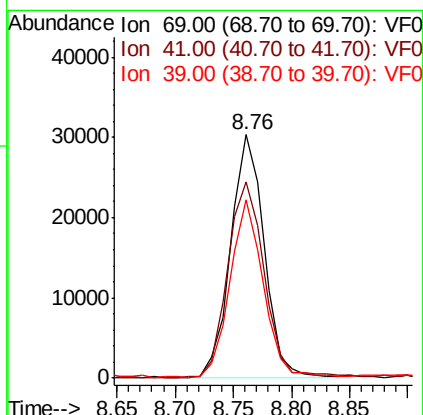
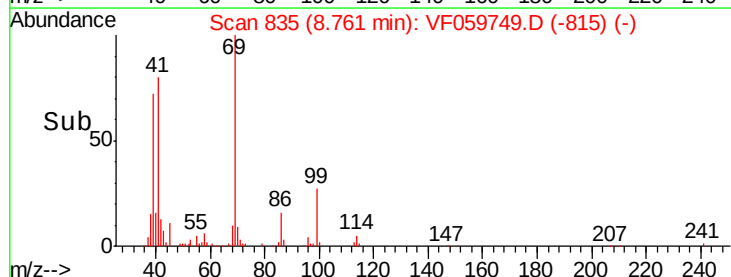
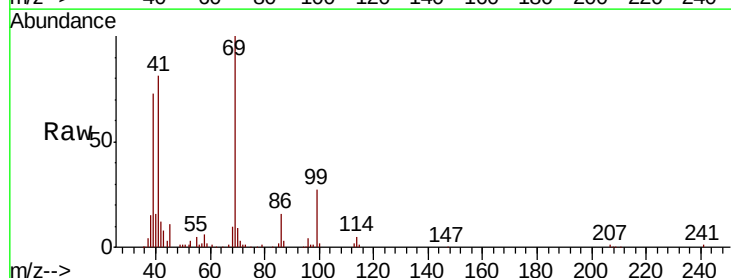
RT: 8.76 min Scan# 835

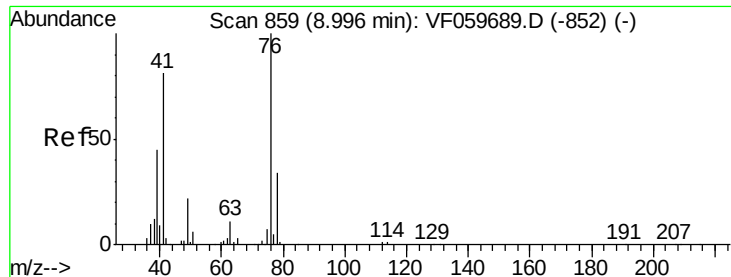
Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Tgt Ion:	69	Resp:	60667
Ion	Ratio	Lower	Upper
69	100		
41	80.7	62.3	93.5
39	73.5	52.4	78.6





#57

1,3-Dichloropropane

Concen: 48.49 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Tot Ion: 76 Resp: 109194

Ion Ratio Lower Upper

76 100

78 33.0 27.2 40.8

Instrument :

MSVOA_F

ClientSampleId :

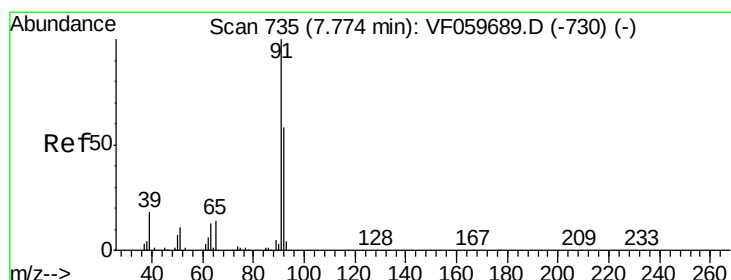
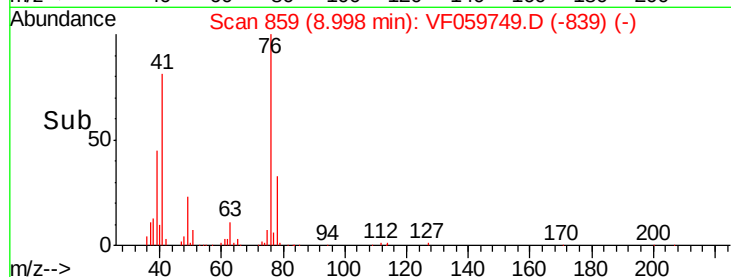
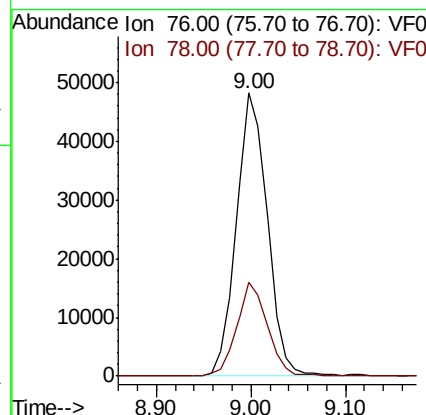
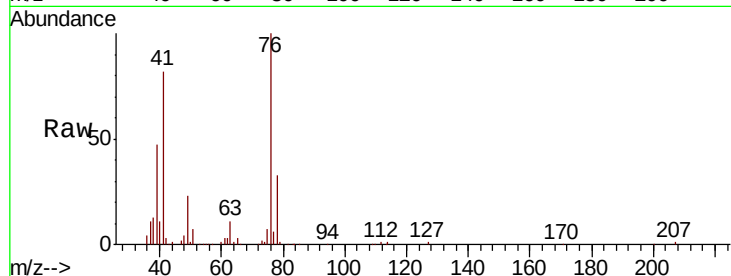
VSTDCCC050

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#58

2-Chloroethyl Vinyl ether

Concen: 246.38 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059749.D

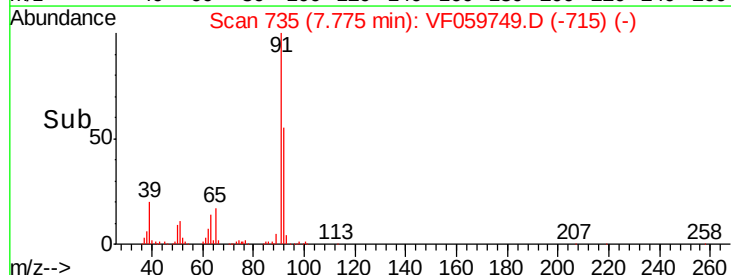
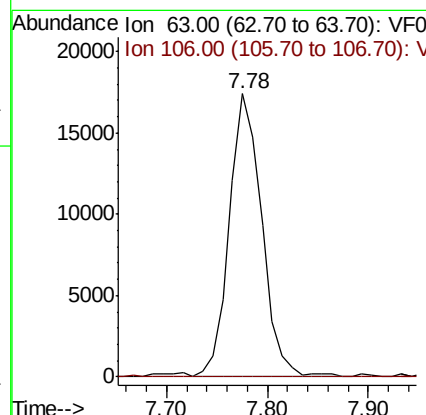
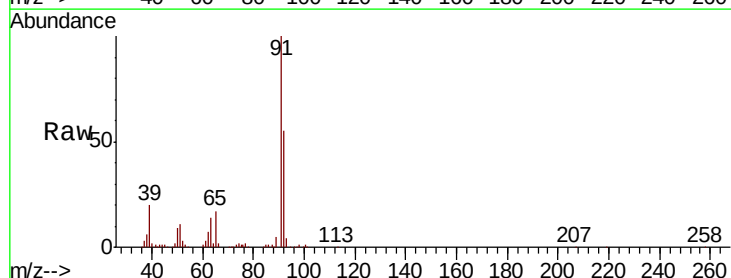
Acq: 1 Aug 2018 11:53

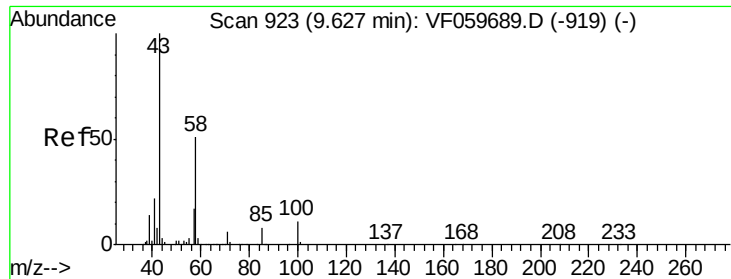
Tgt Ion: 63 Resp: 38941

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





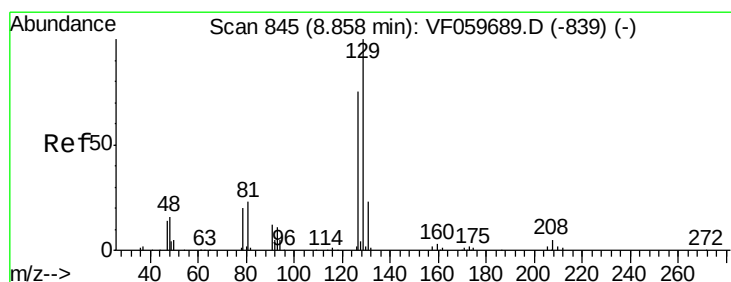
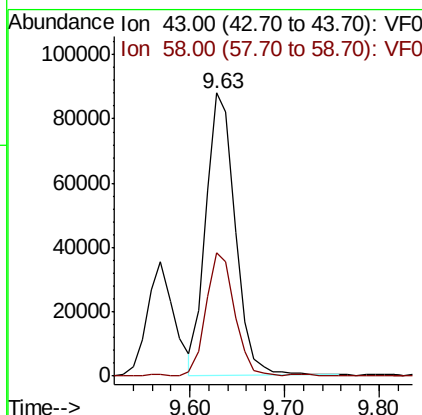
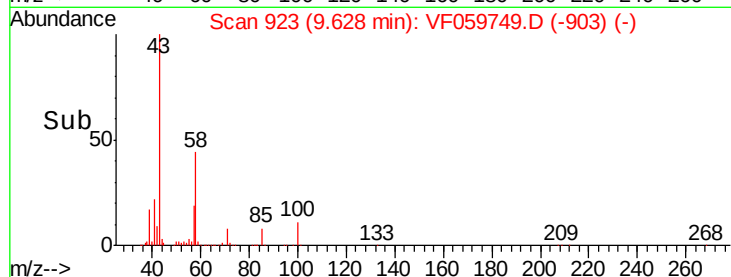
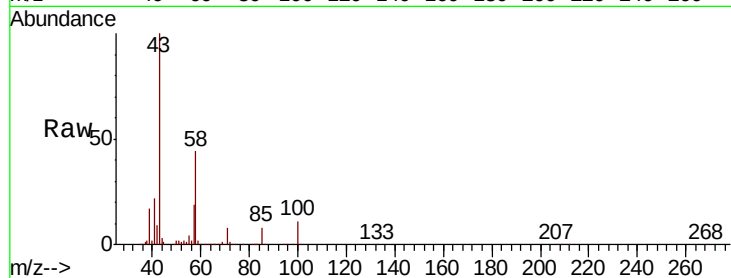
#59
2-Hexanone
Concen: 216.64 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	189517
Ion Ratio	100	Lower	Upper
43	100		
58	43.6	23.3	69.8

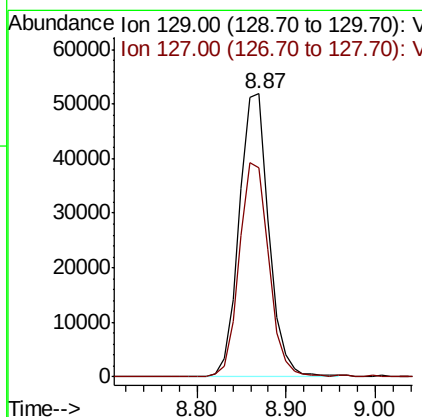
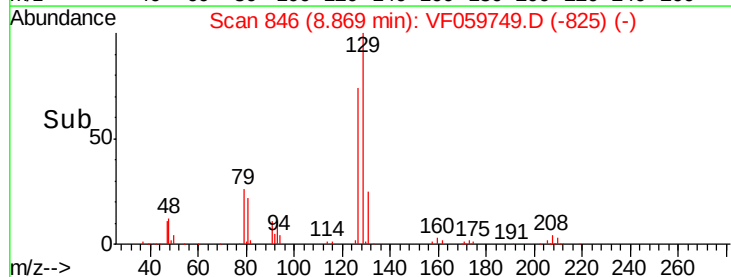
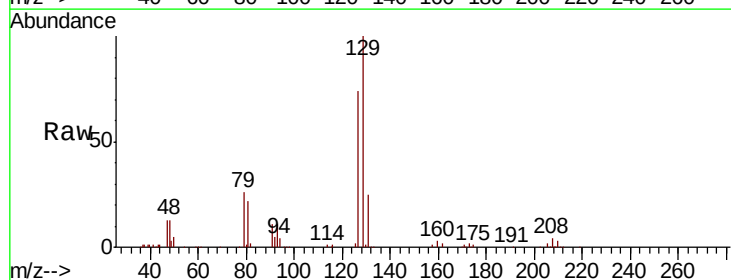
Manual Integrations
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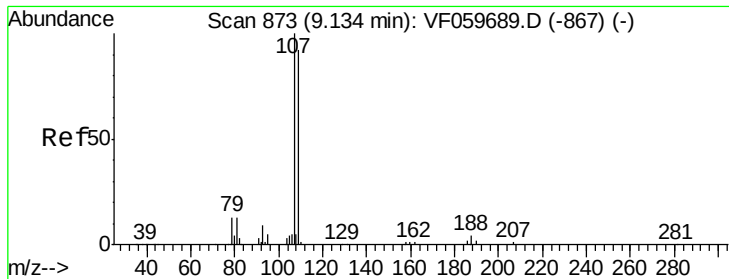
apatel
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#60
Dibromochloromethane
Concen: 51.83 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Tgt Ion	129	Resp	120056
Ion Ratio	100	Lower	Upper
129	100		
127	74.0	37.7	113.1





#61

1,2-Dibromoethane

Concen: 49.99 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 76623

Ion Ratio Lower Upper

107 100

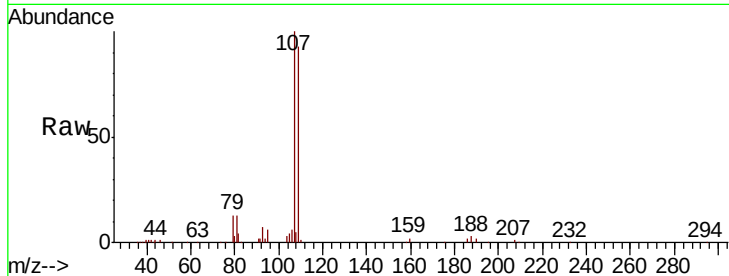
109 93.4 73.6 110.4

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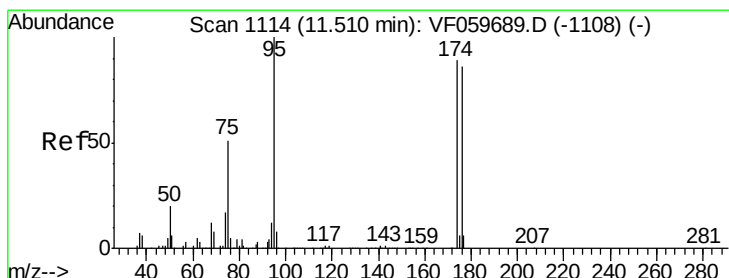
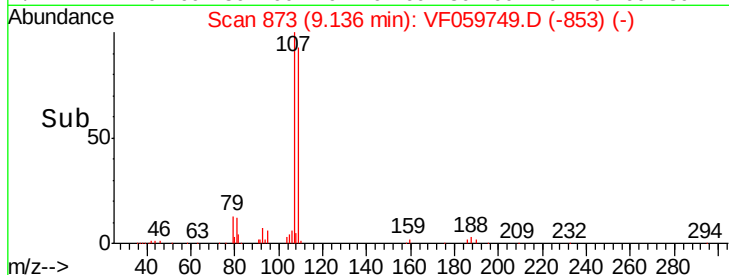
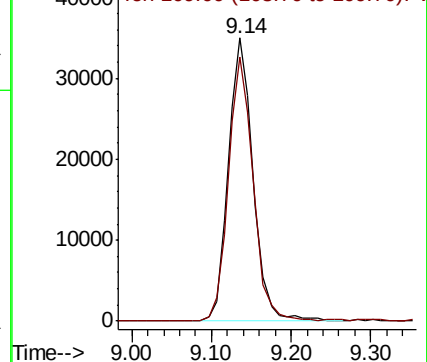
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 51.79 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

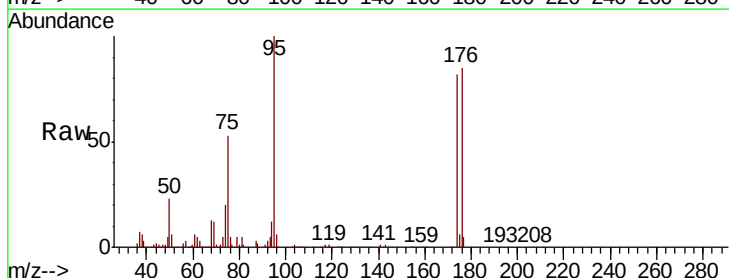
Tgt Ion: 95 Resp: 166661

Ion Ratio Lower Upper

95 100

174 81.9 0.0 178.4

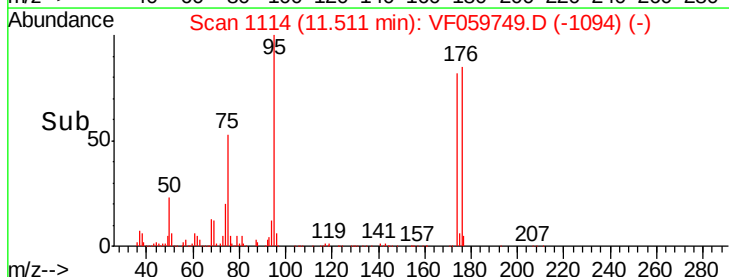
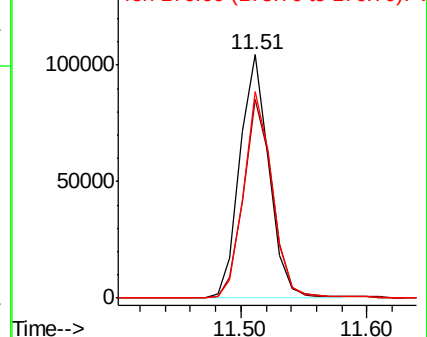
176 84.6 0.0 173.0

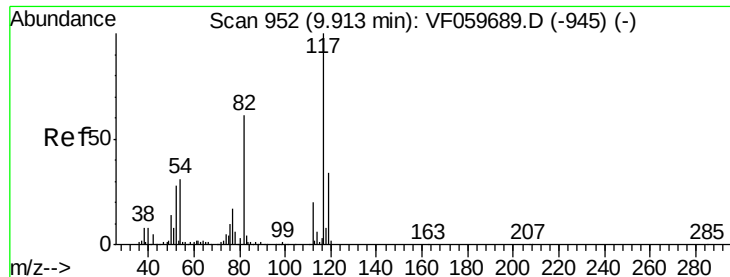


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





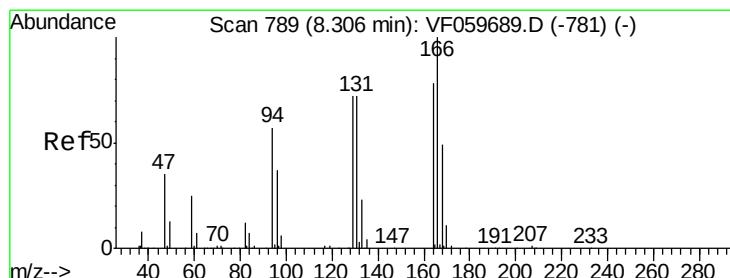
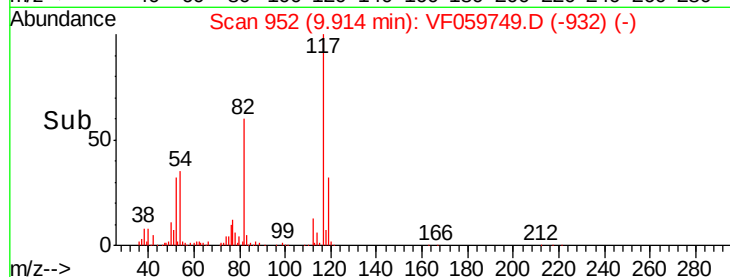
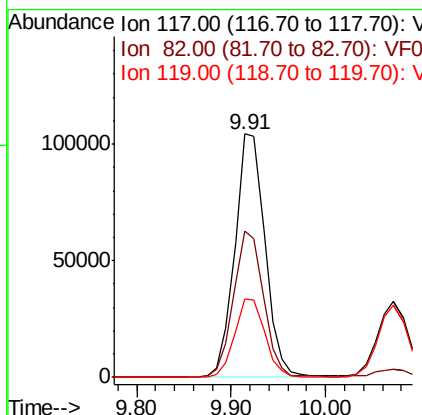
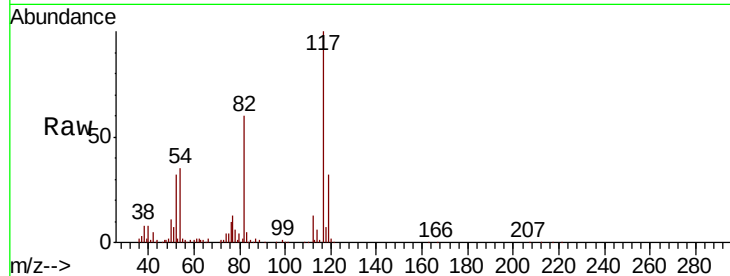
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	231987		
82	59.8		49.0	73.4
119	32.3		27.3	40.9

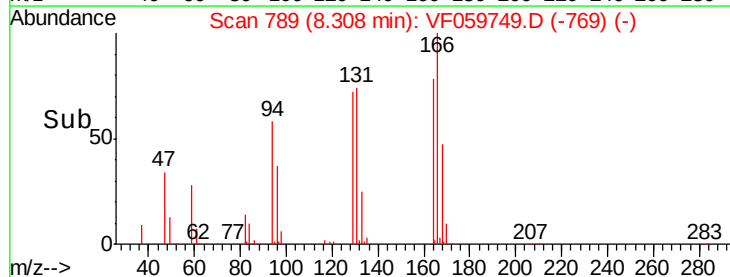
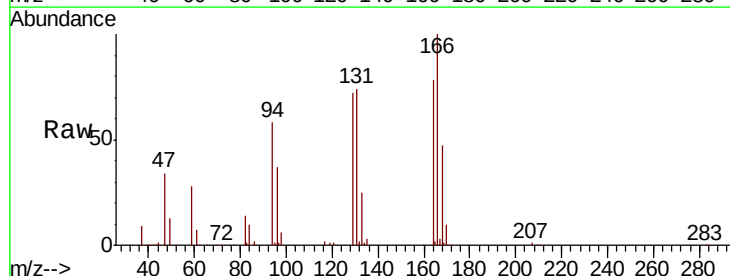
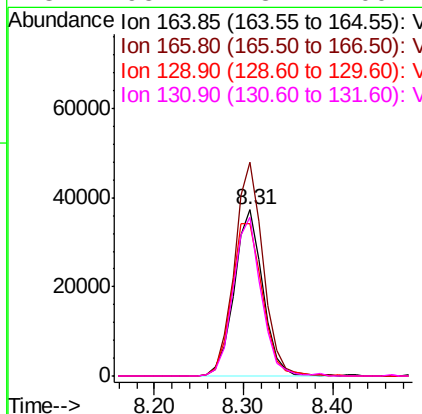
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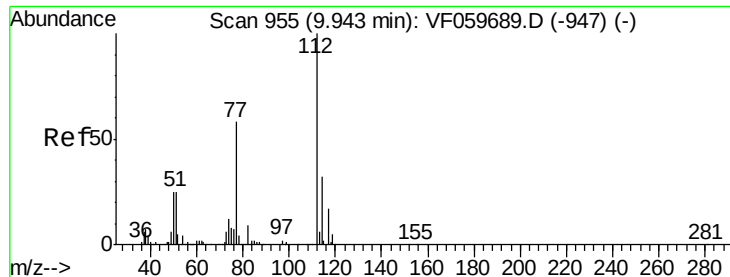
apatel
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#64
Tetrachloroethene
Concen: 53.22 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	82896		
166	128.5		102.1	153.1
129	92.0		73.8	110.6
131	95.7		73.1	109.7





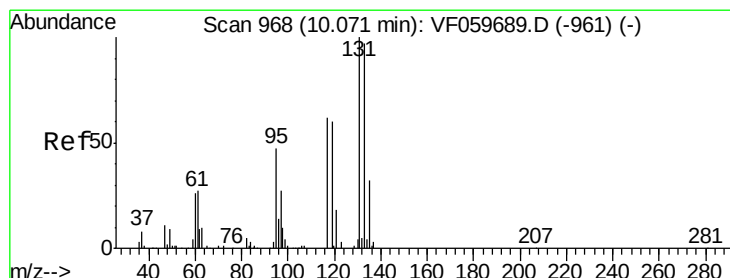
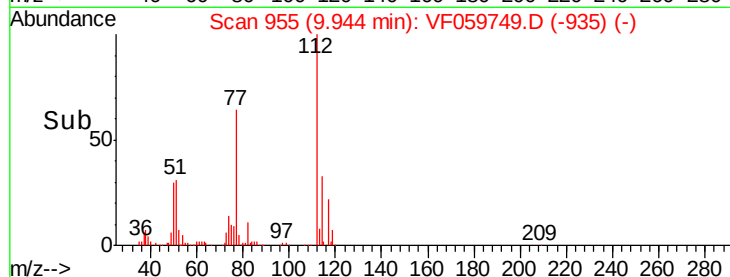
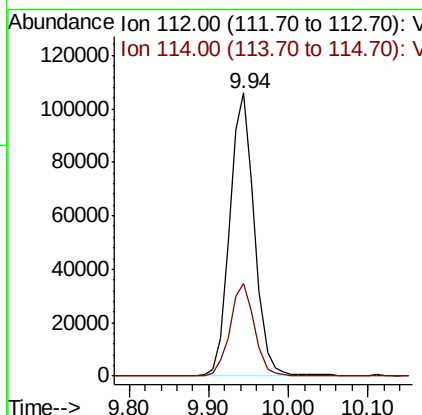
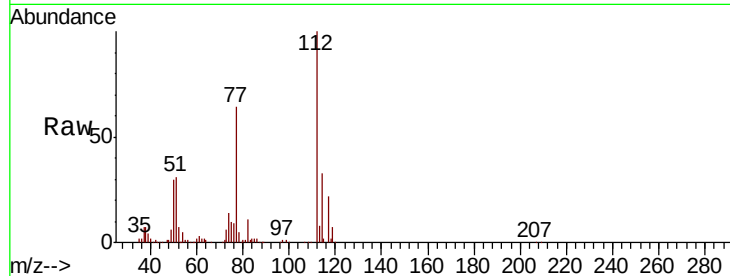
#65
Chlorobenzene
Concen: 49.37 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	229127		
114	32.7	25.6	38.4	

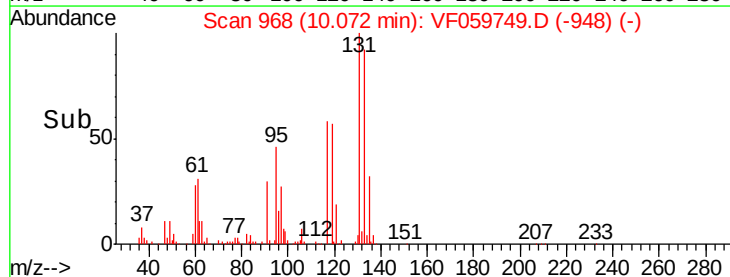
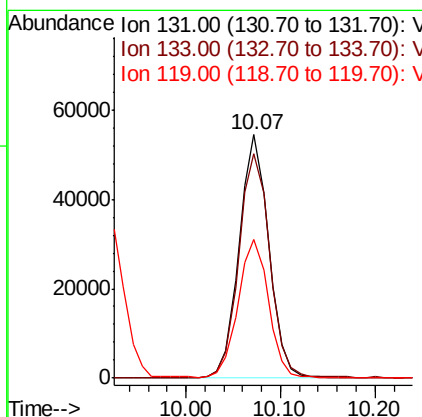
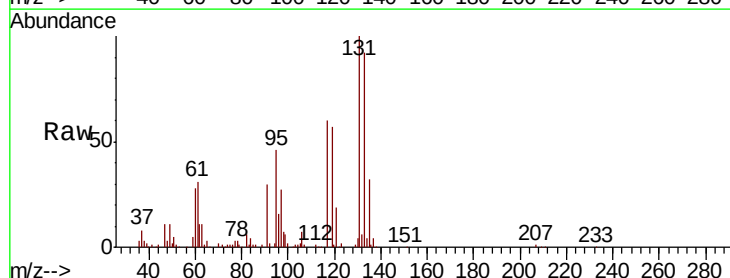
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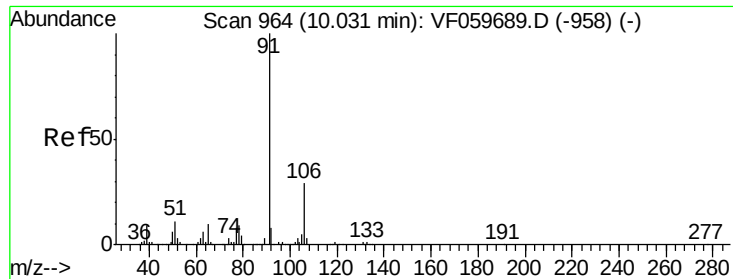
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.71 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	118536		
133	92.0	48.5	145.5	
119	56.9	30.3	90.8	





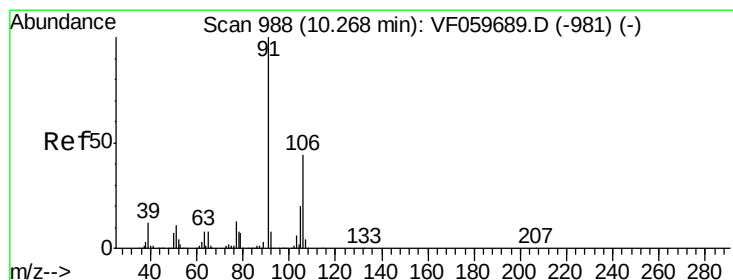
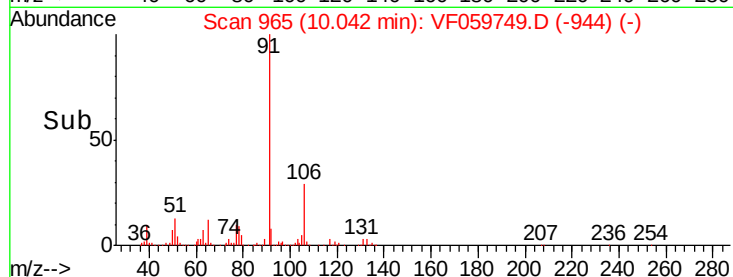
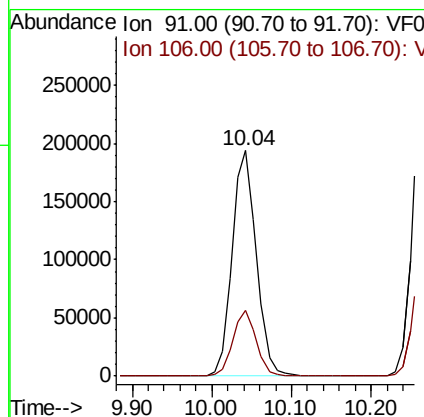
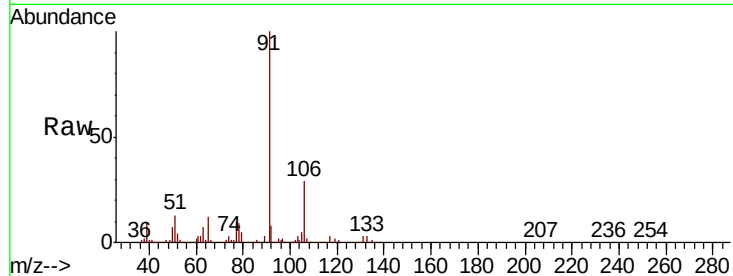
#67
Ethyl Benzene
Concen: 51.61 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 414410
Ion Ratio Lower Upper
91 100
106 29.0 22.9 34.3

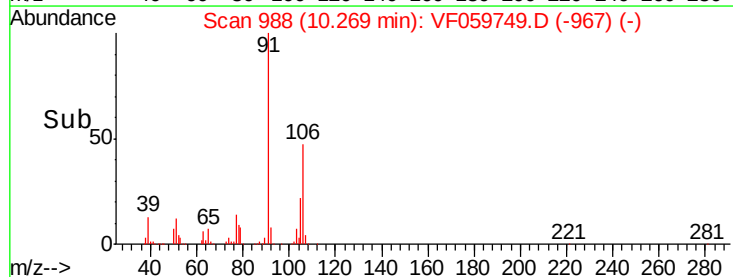
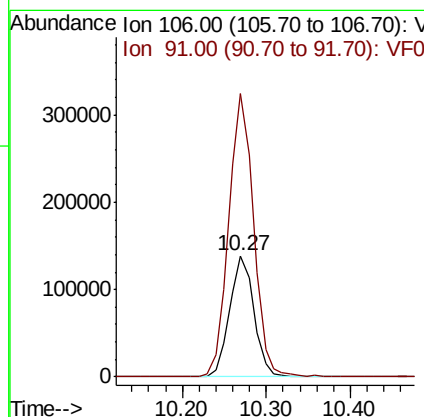
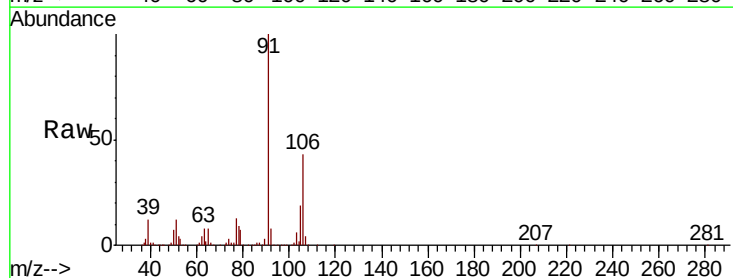
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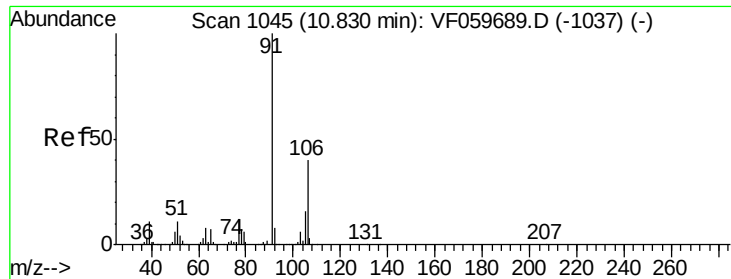
apatel
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#68
m/p-Xylenes
Concen: 112.38 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Tgt Ion: 106 Resp: 279271
Ion Ratio Lower Upper
106 100
91 233.2 181.7 272.5





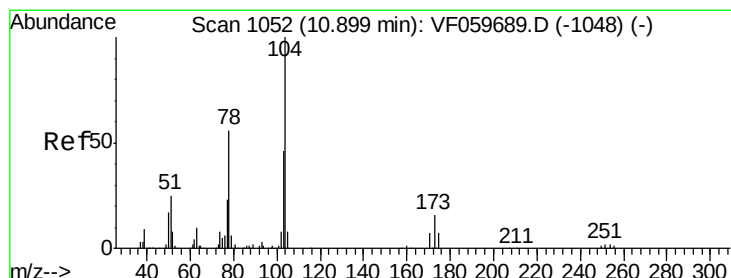
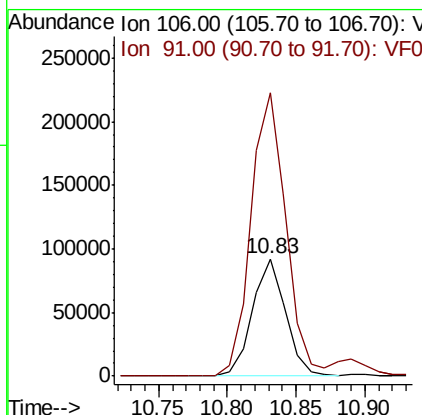
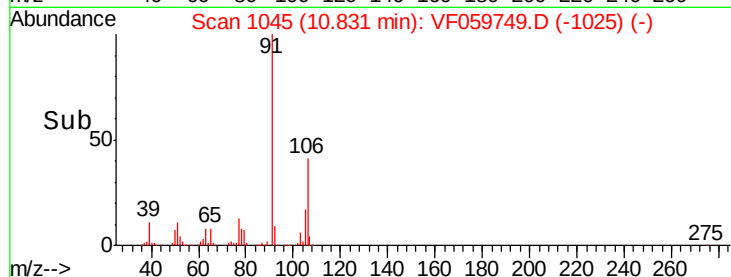
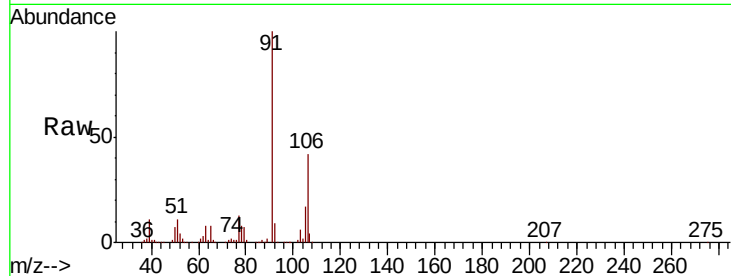
#69
o-Xylene
Concen: 52.55 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	240.7	124.6	373.7	

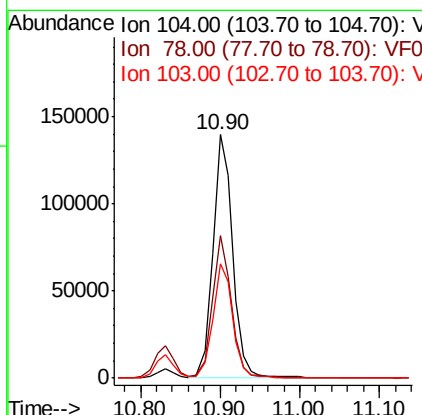
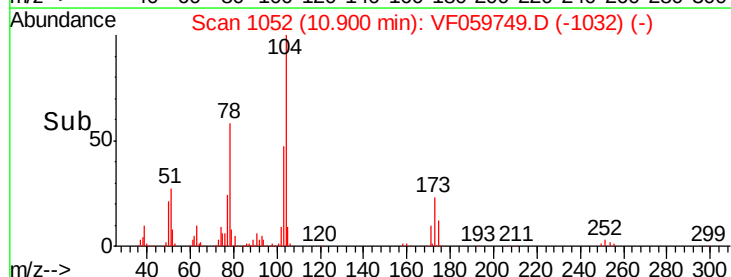
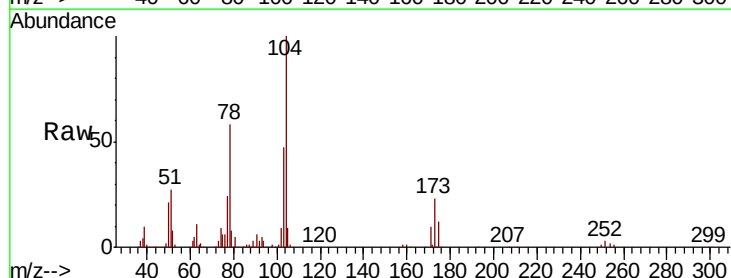
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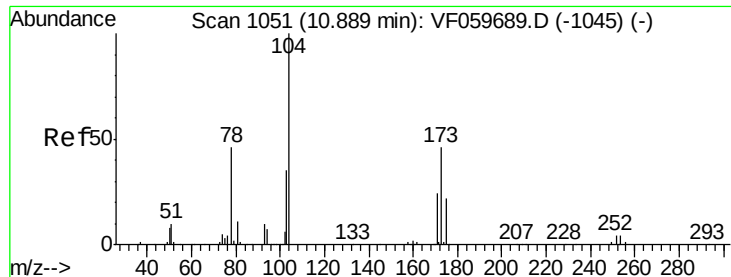
apatel
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#70
Styrene
Concen: 54.24 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	58.4	45.3	67.9	
103	46.7	36.6	54.8	





#71

Bromoform

Concen: 55.13 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 77829

Ion Ratio Lower Upper

173 100

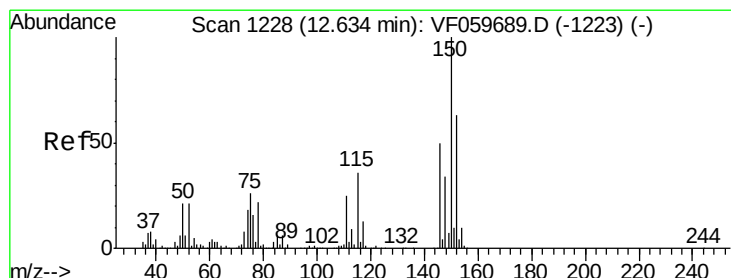
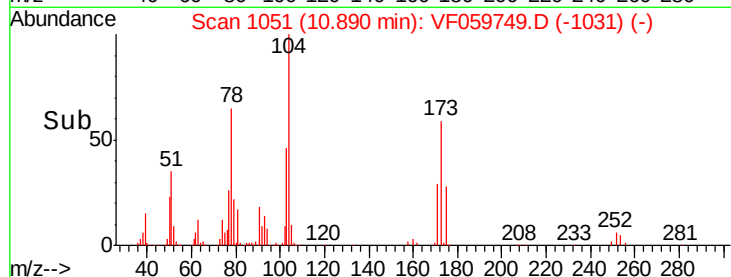
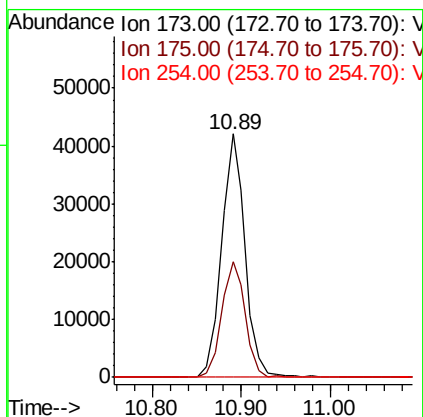
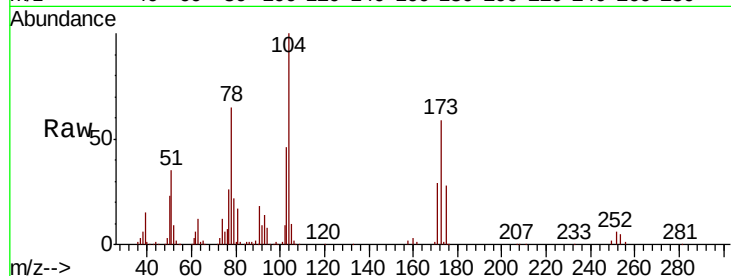
175 47.2 23.4 70.0

254 0.0 0.0 0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

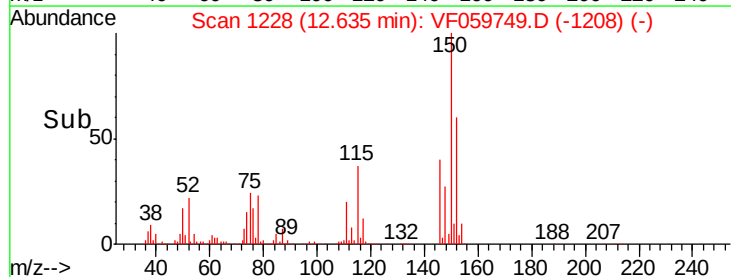
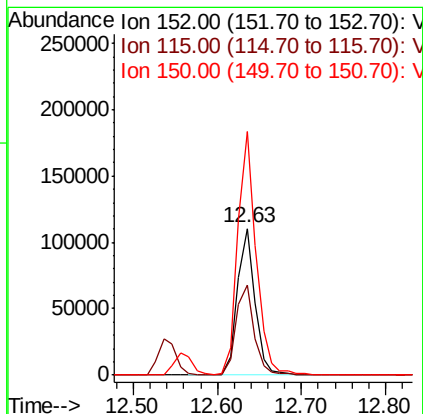
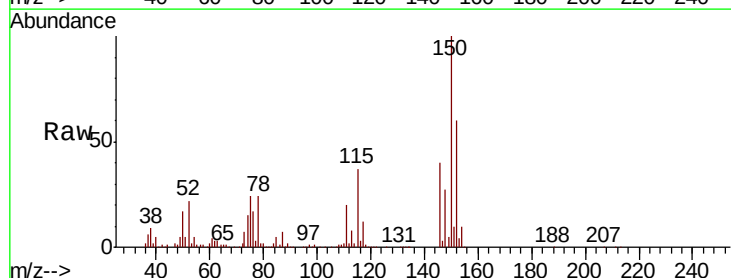
Tgt Ion:152 Resp: 161201

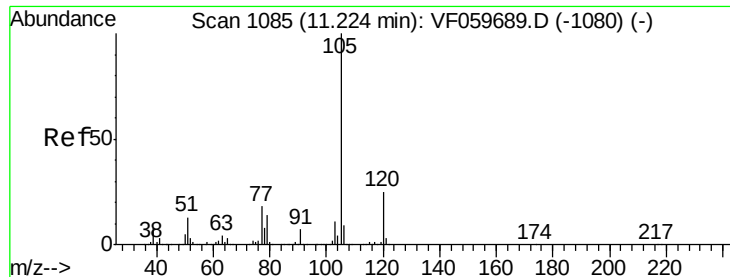
Ion Ratio Lower Upper

152 100

115 61.1 28.2 84.6

150 166.2 0.0 316.2





#73

Isopropylbenzene

Concen: 50.27 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 531742

Ion Ratio Lower Upper

105 100

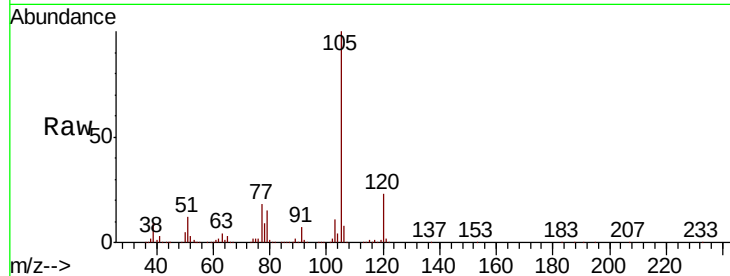
120 23.2 12.4 37.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

300000

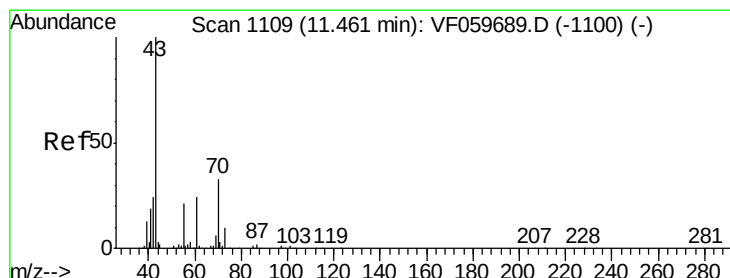
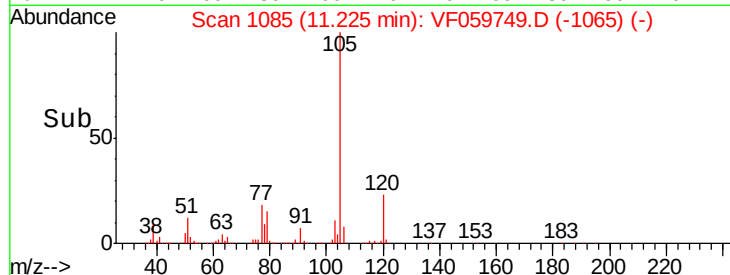
200000

100000

0

Time-->

11.20 11.30



#74

N-ethyl acetate

Concen: 41.49 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Tgt Ion: 43 Resp: 110714

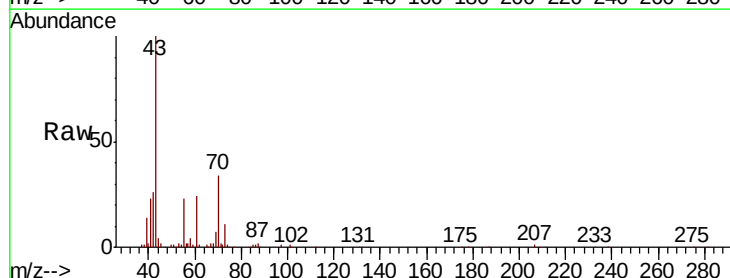
Ion Ratio Lower Upper

43 100

70 33.6 26.3 39.5

55 23.0 16.6 25.0

61 24.3 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

100000

80000

60000

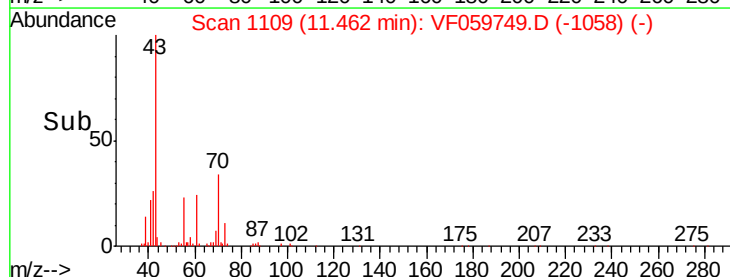
40000

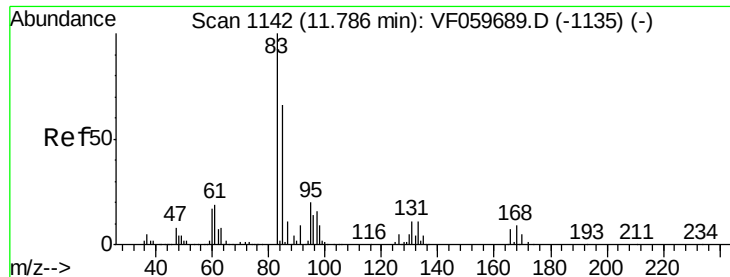
20000

0

Time-->

11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 47.91 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Instrument :

MSVOA_F

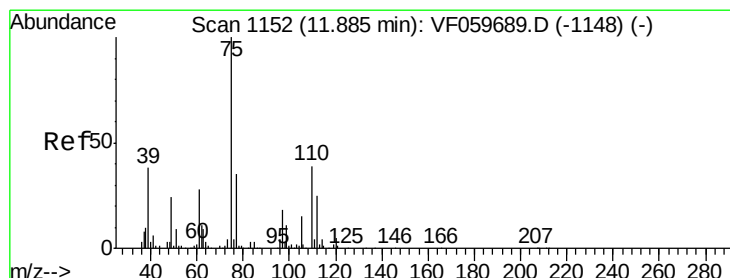
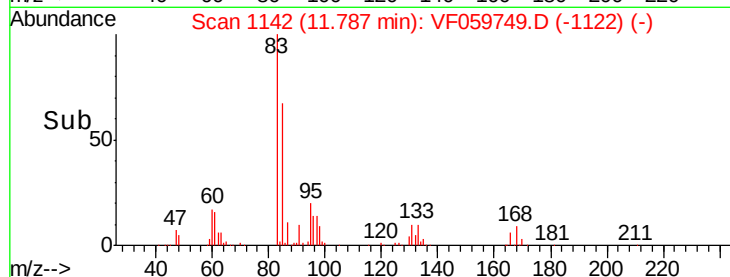
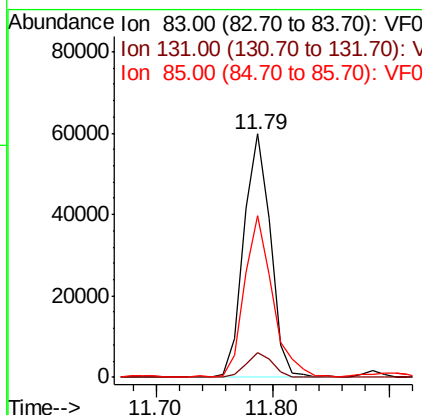
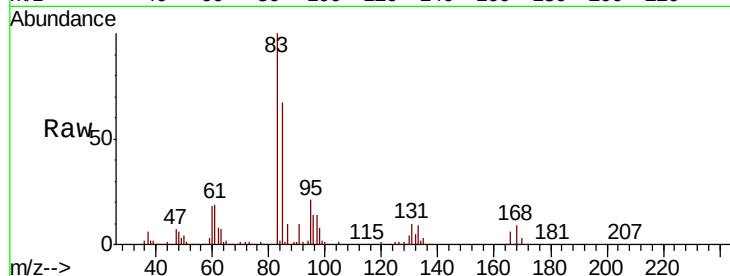
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	95392
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.8	17.3
85	66.6	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 46.55 ug/l

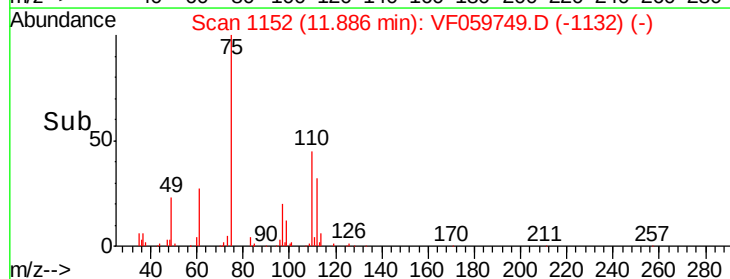
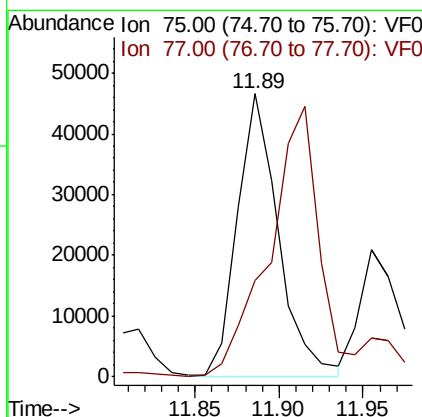
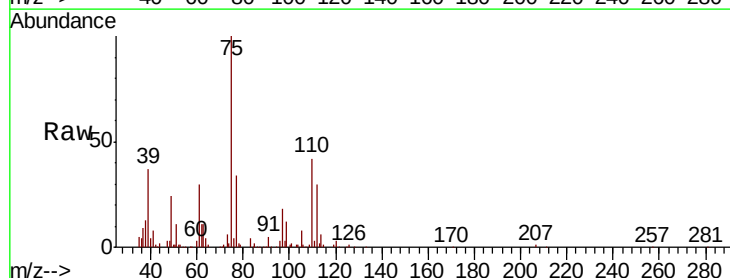
RT: 11.89 min Scan# 1152

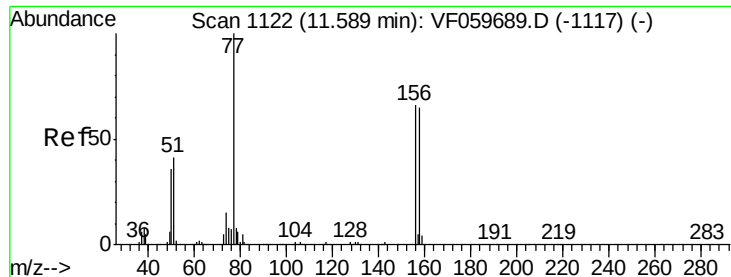
Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Tgt Ion:	75	Resp:	78819
Ion Ratio	Lower	Upper	
75	100		
77	34.2	18.0	54.0





#77

Bromobenzene

Concen: 46.53 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Instrument :

MSVOA_F

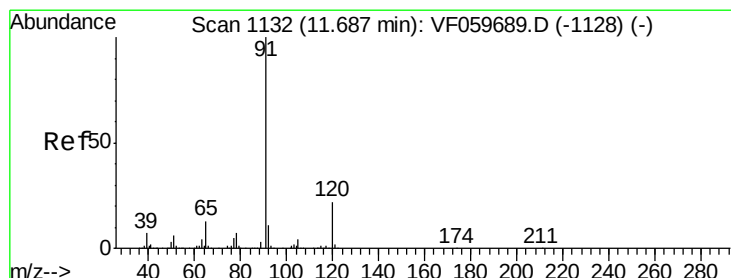
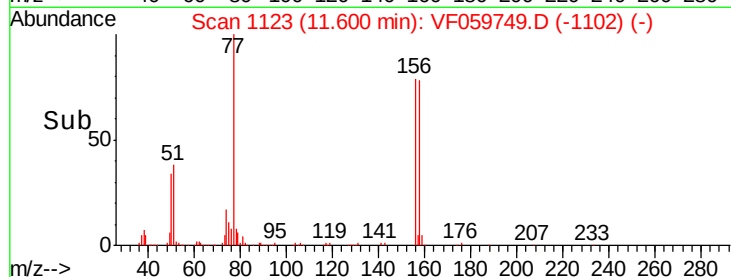
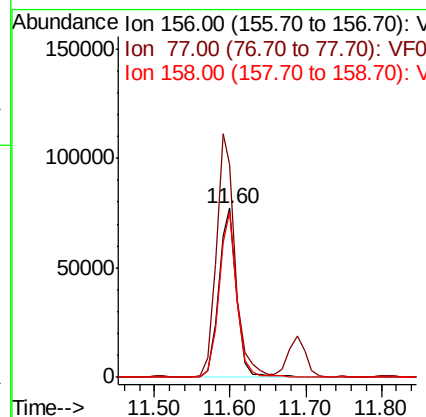
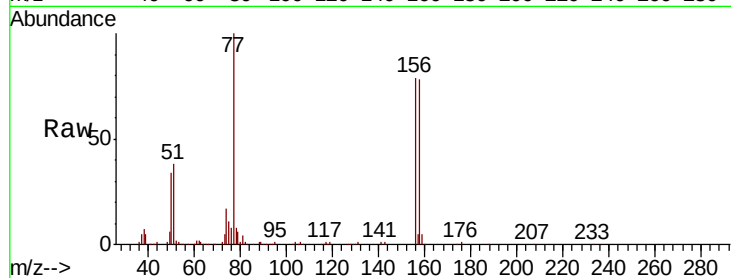
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		128503		
77	126.2	75.2	225.6		
158	98.2	49.1	147.3		

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#78

n-propylbenzene

Concen: 56.28 ug/l

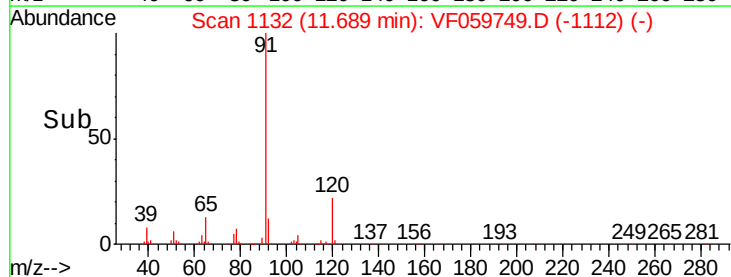
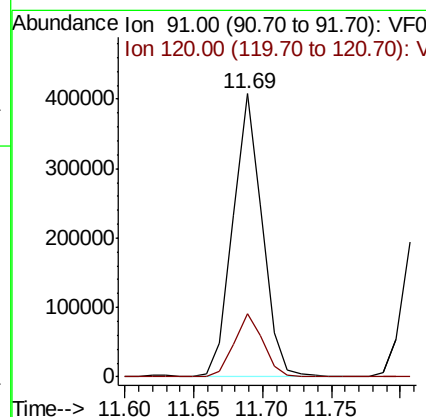
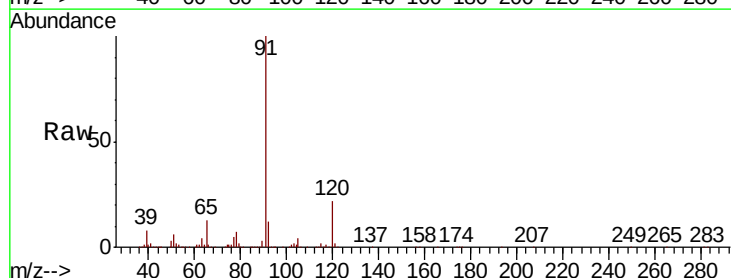
RT: 11.69 min Scan# 1132

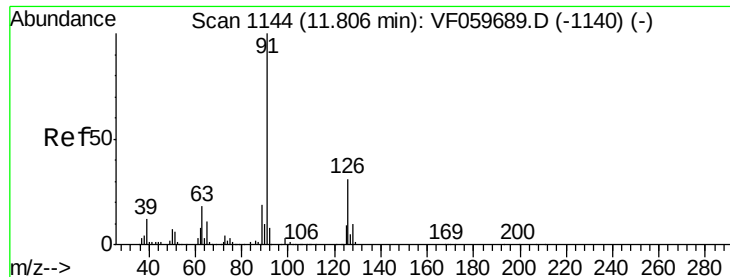
Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		603343		
120	22.3	11.0	33.0		





#79

2-Chlorotoluene

Concen: 55.27 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 373993

Ion Ratio Lower Upper

91 100

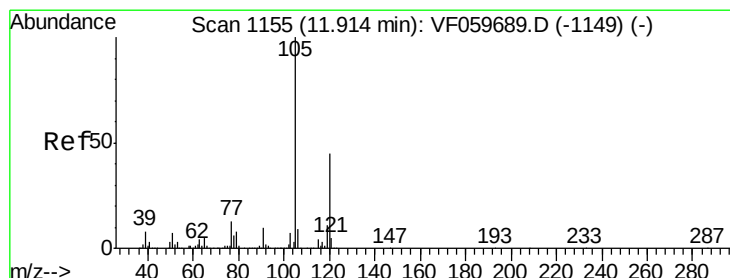
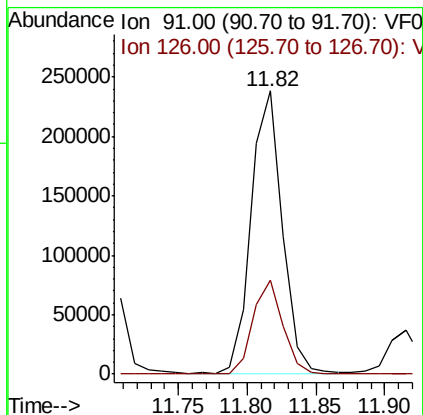
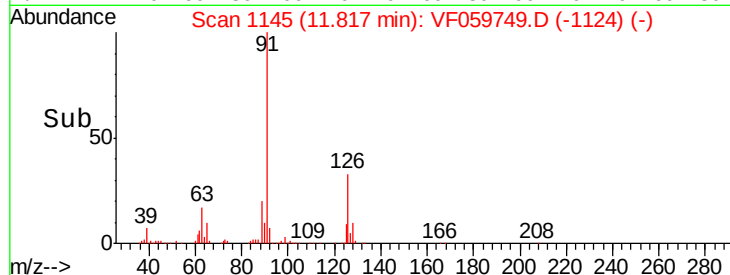
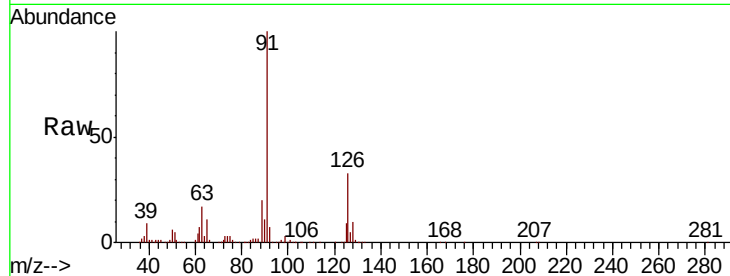
126 33.1 15.4 46.2

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#80

1,3,5-Trimethylbenzene

Concen: 55.45 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059749.D

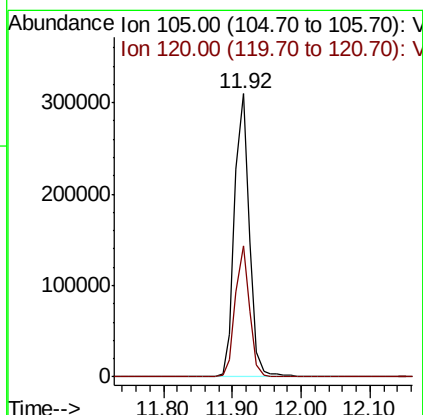
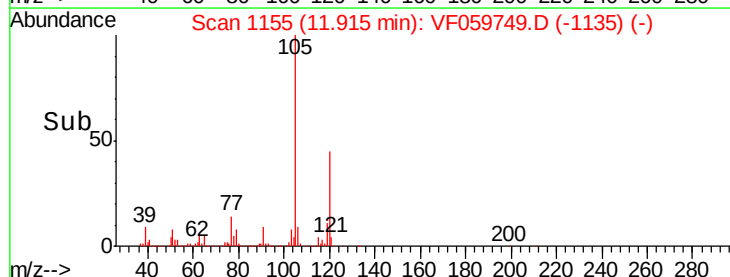
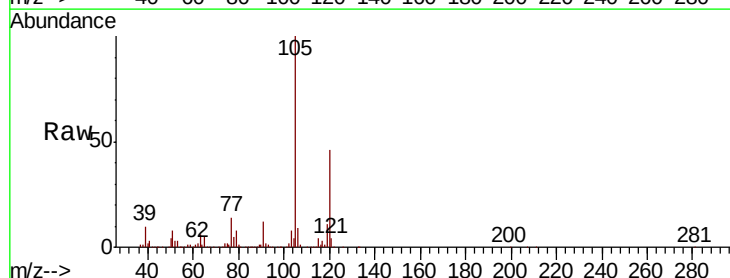
Acq: 1 Aug 2018 11:53

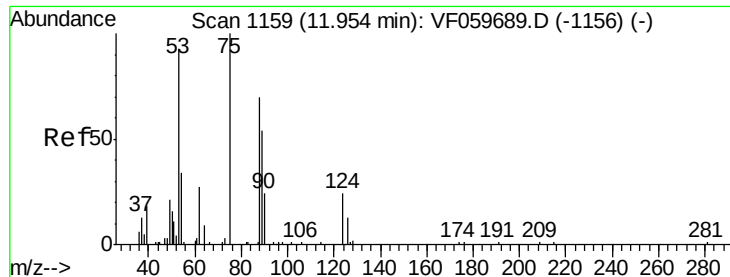
Tgt Ion:105 Resp: 461825

Ion Ratio Lower Upper

105 100

120 46.2 22.7 68.0





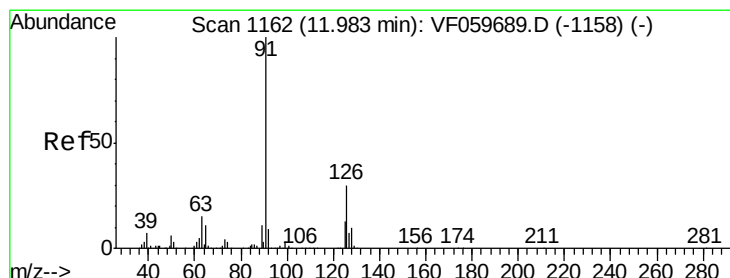
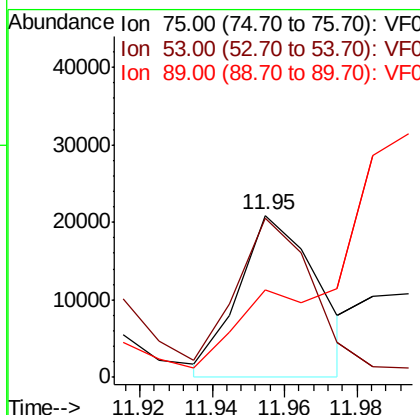
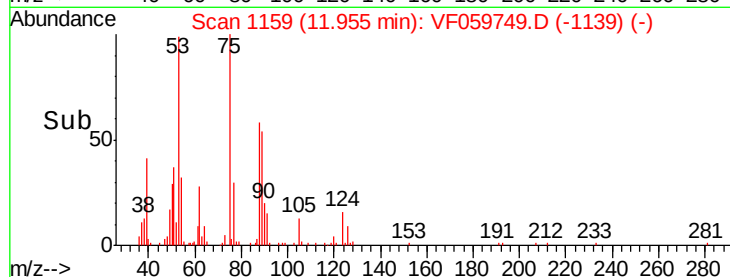
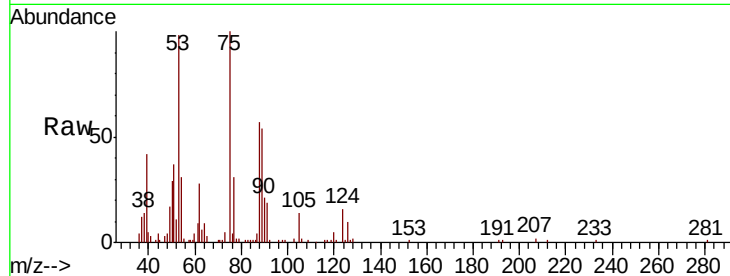
#81
trans-1,4-Dichloro-2-butene
Concen: 45.08 ug/l m
RT: 11.95 min Scan# 1159
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.2	78.3	117.5
89	53.8	45.4	68.2

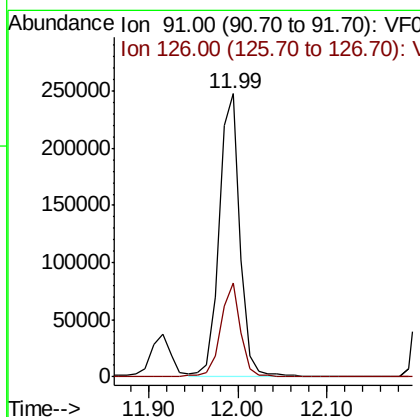
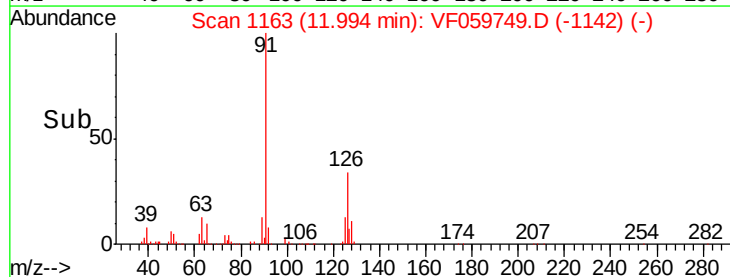
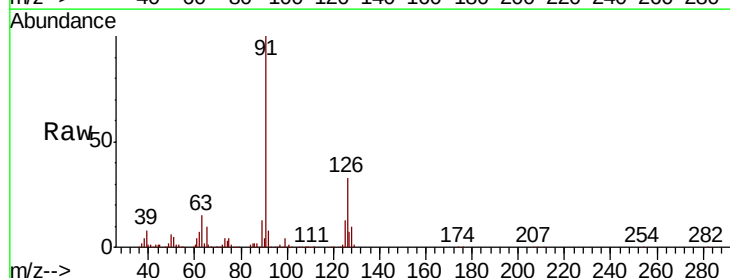
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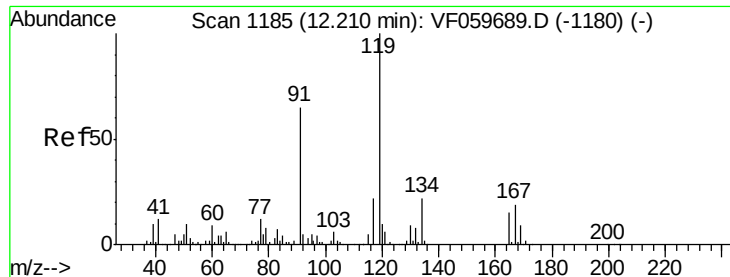
apatel
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#82
4-Chlorotoluene
Concen: 55.57 ug/l
RT: 11.99 min Scan# 1163
Delta R.T. 0.01 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	15.2	45.6





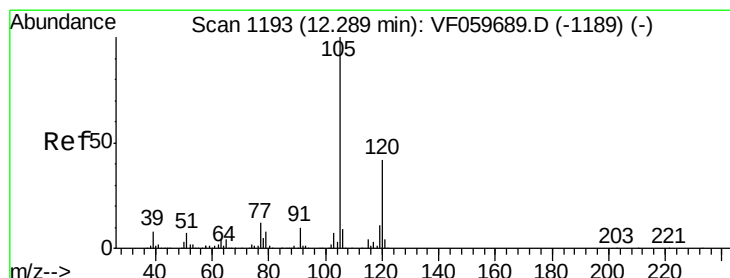
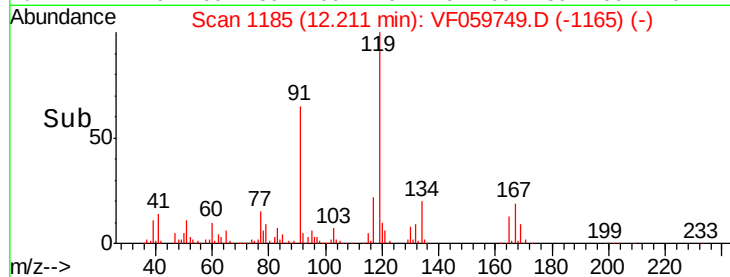
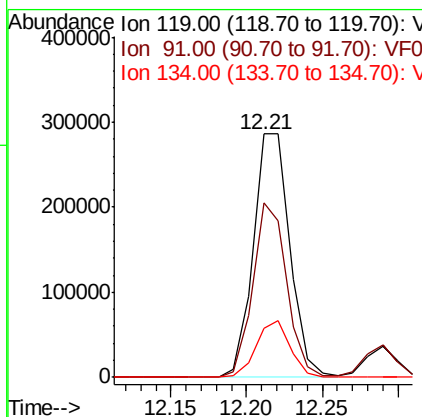
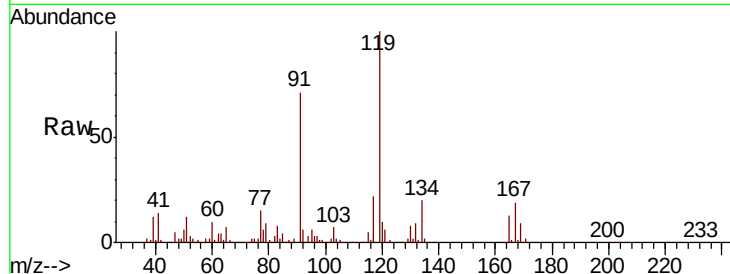
#83
 tert-Butylbenzene
 Concen: 51.10 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059749.D
 Acq: 1 Aug 2018 11:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	119	Resp:	485228
Ion Ratio	Lower	Upper	
119	100		
91	71.5	32.8	98.4
134	20.0	10.9	32.7

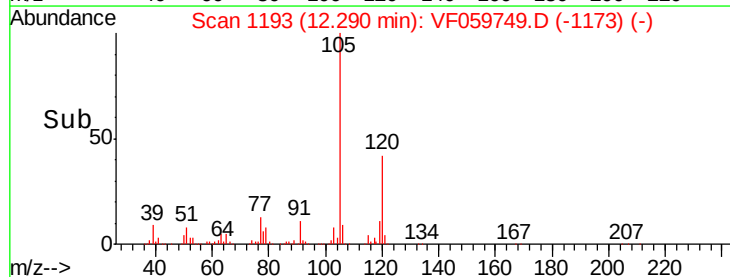
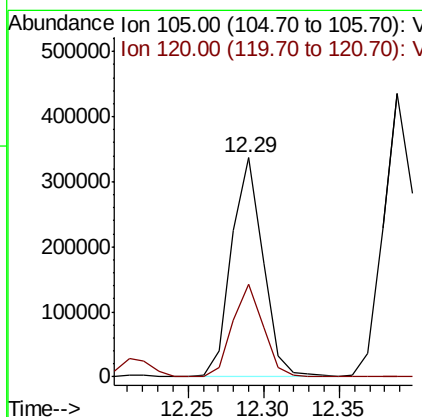
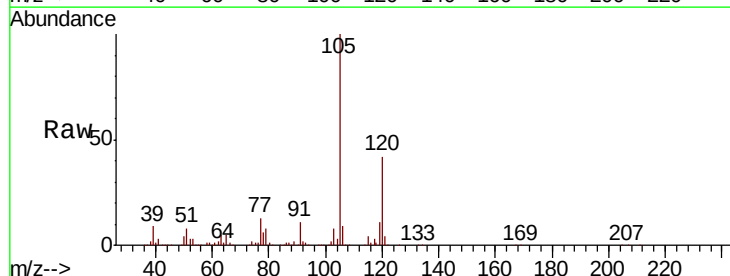
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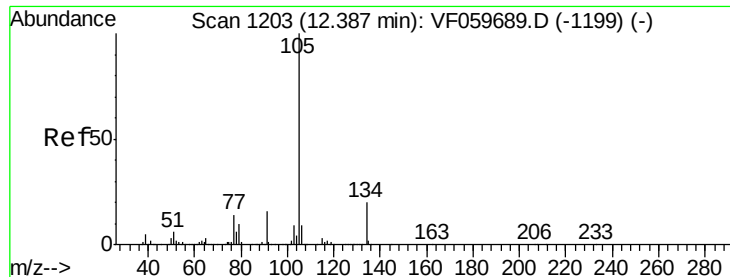
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#84
 1,2,4-Trimethylbenzene
 Concen: 57.77 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. 0.00 min
 Lab File: VF059749.D
 Acq: 1 Aug 2018 11:53

Tgt Ion:	105	Resp:	485825
Ion Ratio	Lower	Upper	
105	100		
120	42.2	21.1	63.3





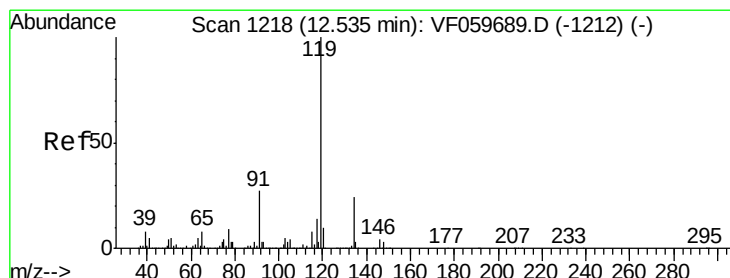
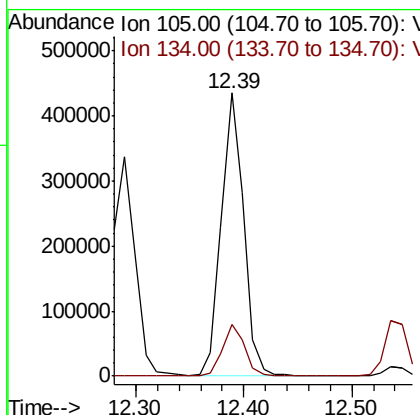
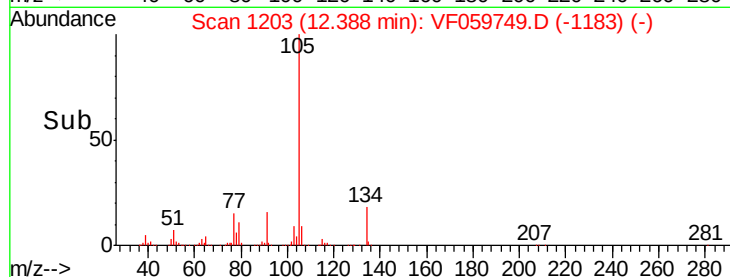
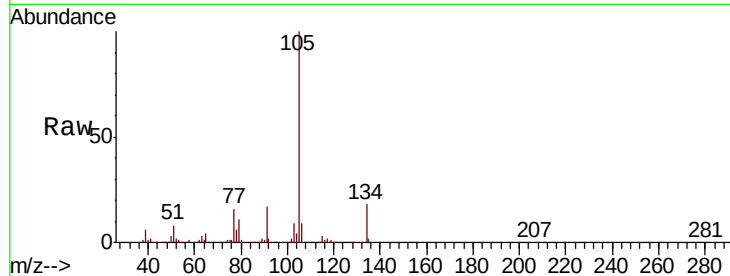
#85
 sec-Butylbenzene
 Concen: 58.70 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059749.D
 Acq: 1 Aug 2018 11:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
105	100	624074		
134	18.1	9.8	29.3	

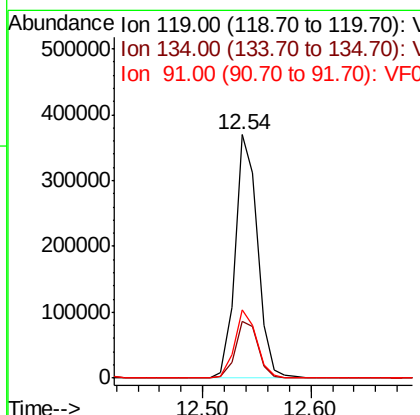
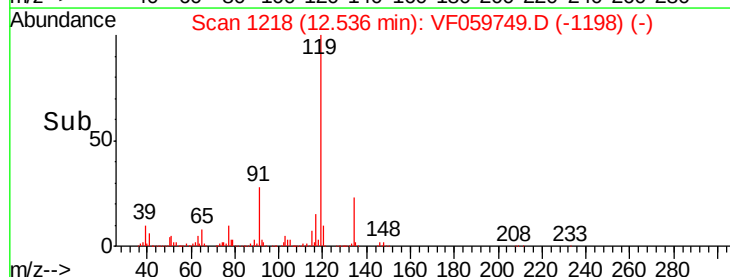
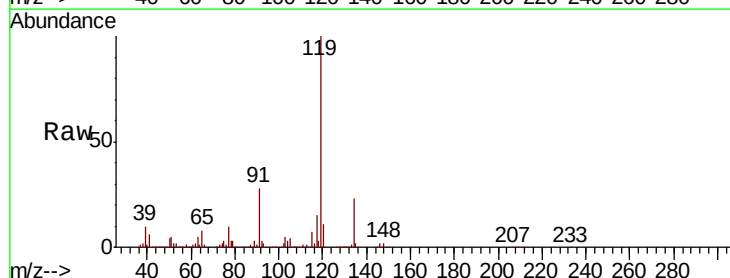
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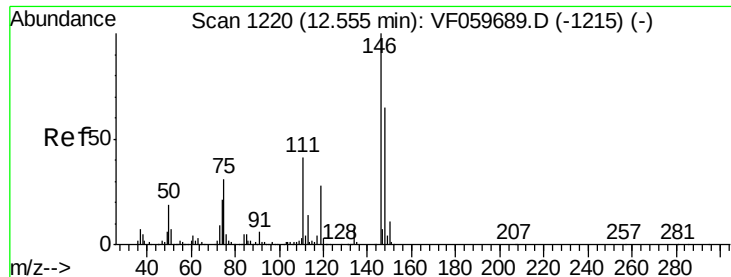
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#86
 p-Isopropyltoluene
 Concen: 57.34 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059749.D
 Acq: 1 Aug 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	532338		
134	23.2	12.2	36.6	
91	27.8	13.4	40.2	





#87

1,3-Dichlorobenzene

Concen: 57.53 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Instrument :

MSVOA_F

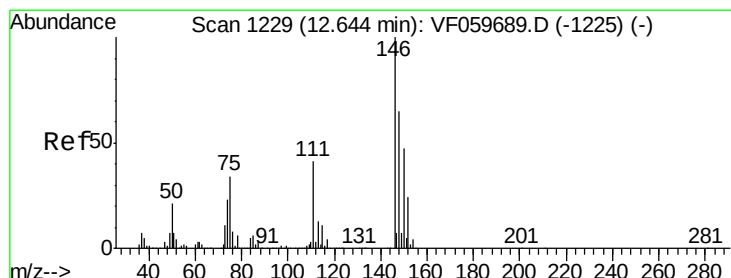
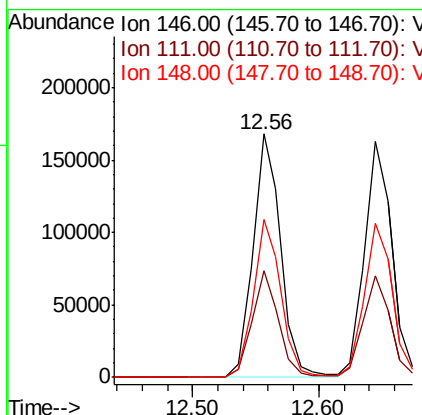
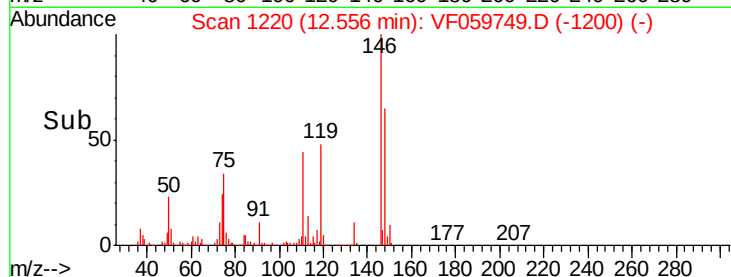
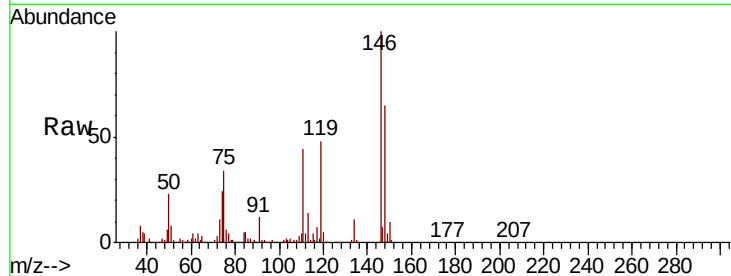
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	256408
Ion Ratio	Lower	Upper	
146	100		
111	43.6	20.7	62.1
148	64.8	32.3	96.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 54.84 ug/l

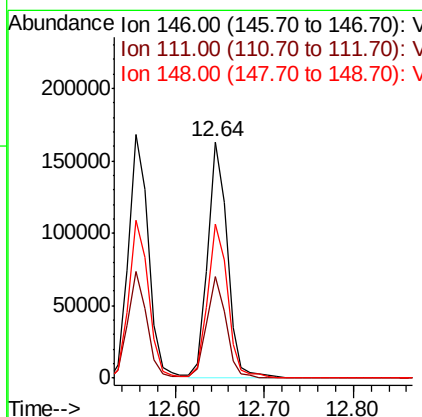
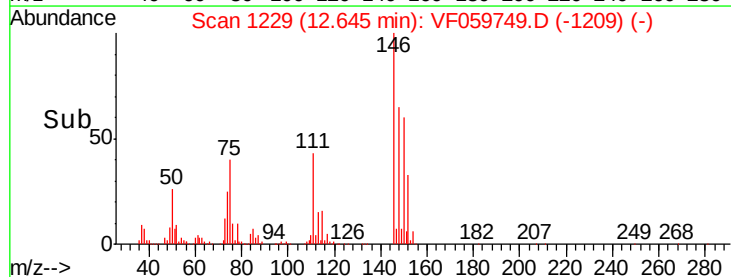
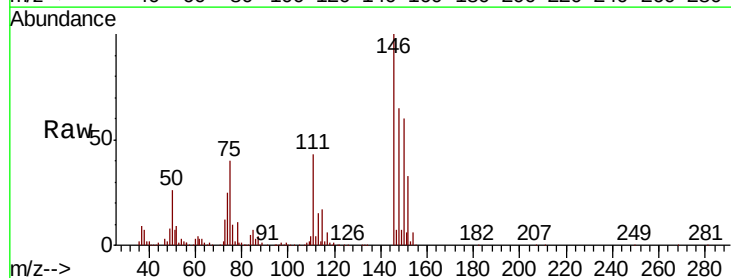
RT: 12.64 min Scan# 1229

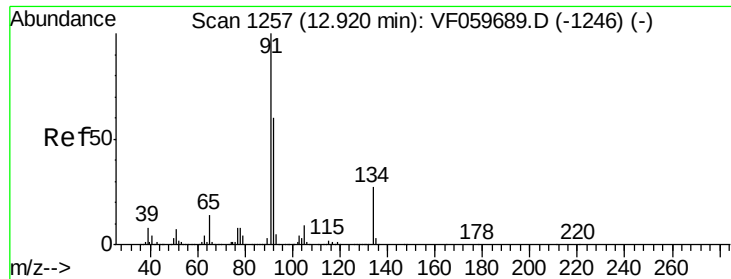
Delta R.T. 0.00 min

Lab File: VF059749.D

Acq: 1 Aug 2018 11:53

Tgt Ion:	146	Resp:	248700
Ion Ratio	Lower	Upper	
146	100		
111	42.8	20.8	62.2
148	65.3	32.3	96.9





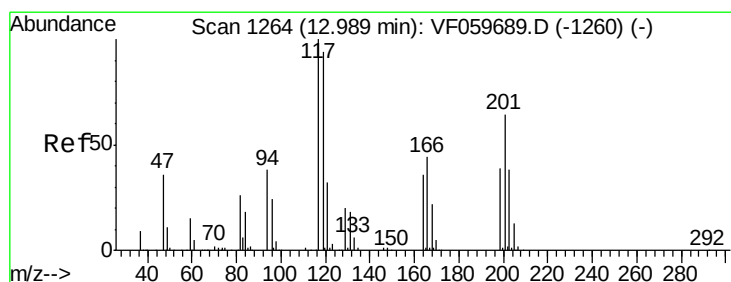
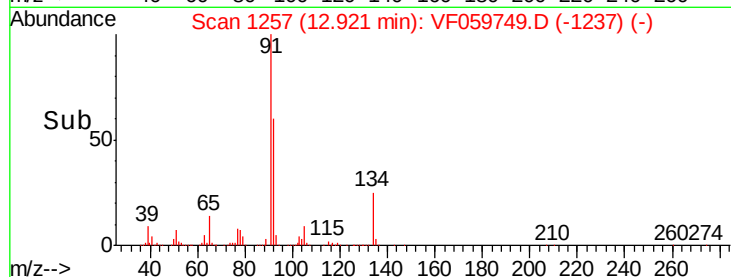
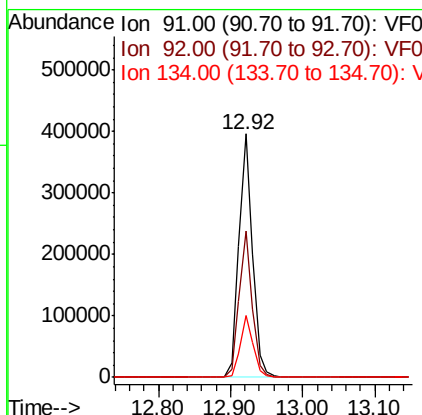
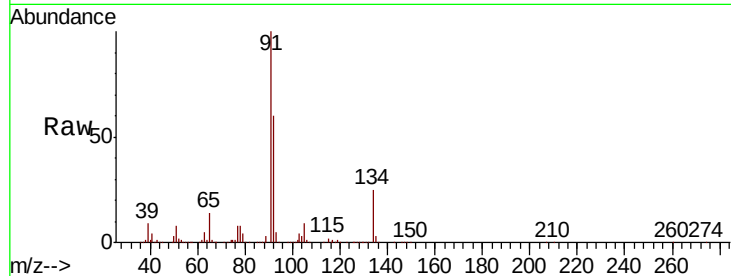
#89
n-Butylbenzene
Concen: 59.69 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100	523619		
92	59.9		30.1	90.3
134	25.4		13.7	41.0

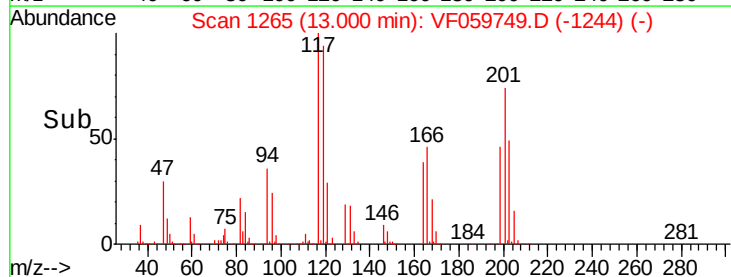
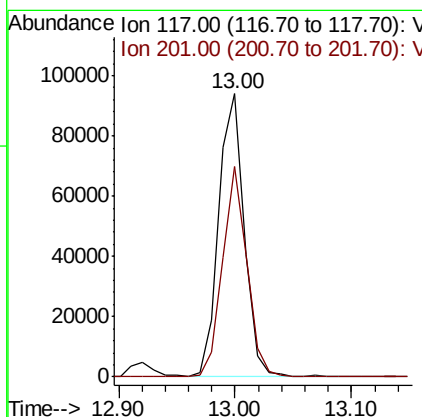
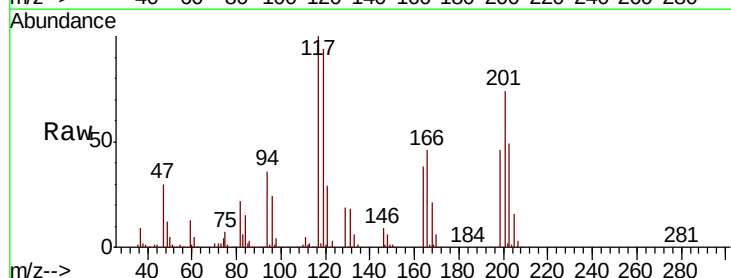
Manual Integrations
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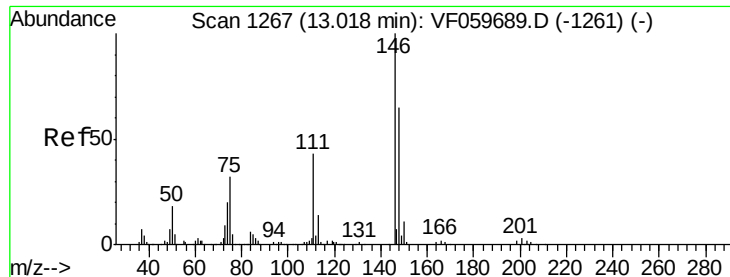
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#90
Hexachloroethane
Concen: 53.51 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	142768		
201	74.1		31.9	95.5





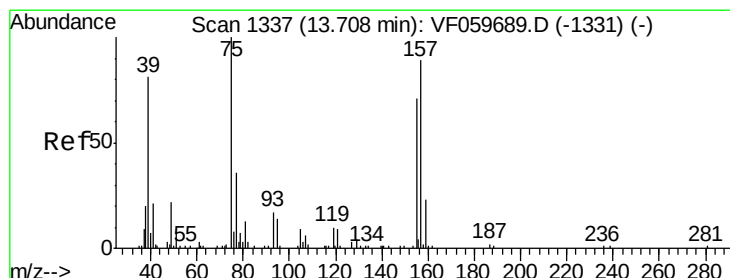
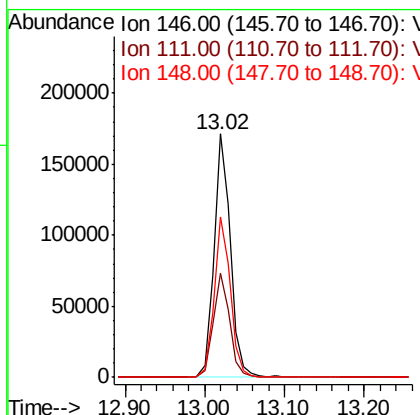
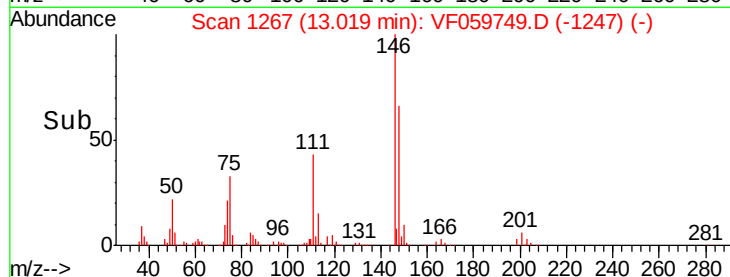
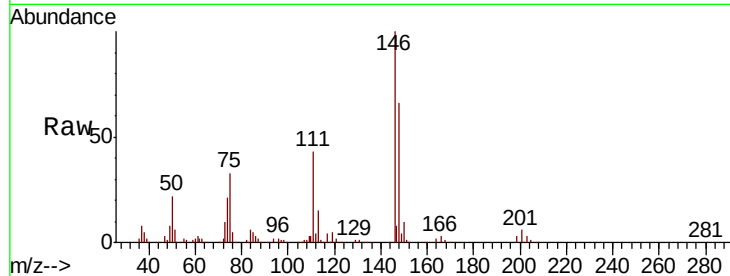
#91
 1,2-Dichlorobenzene
 Concen: 57.12 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059749.D
 Acq: 1 Aug 2018 11:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	249316		
111	42.8	21.6	65.0	
148	65.7	32.3	96.9	

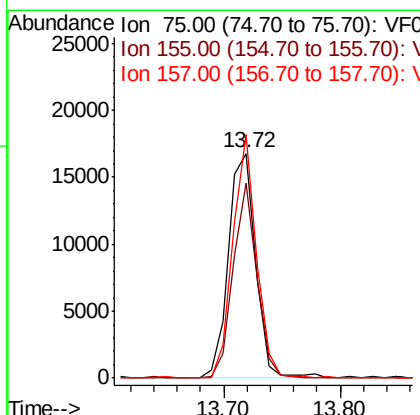
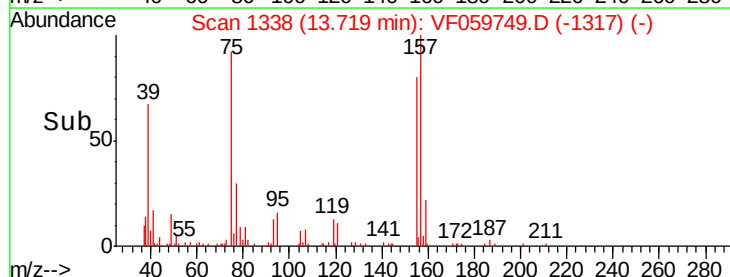
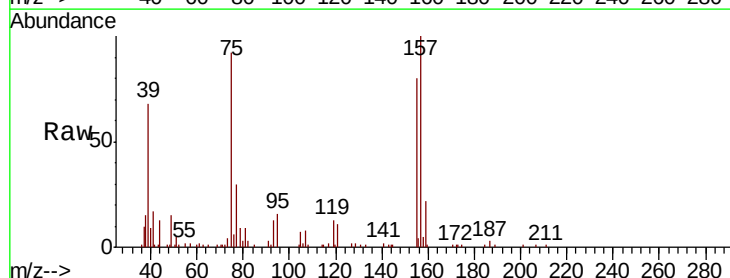
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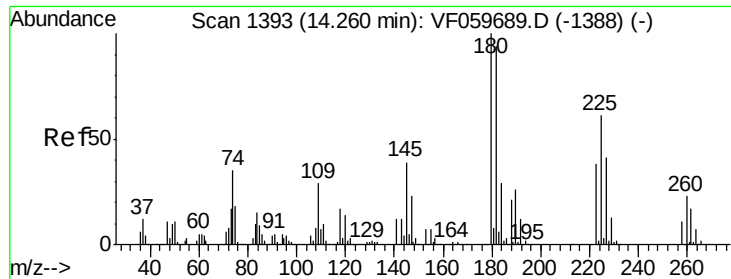
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.64 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: VF059749.D
 Acq: 1 Aug 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27084		
155	91.3	35.4	106.2	
157	108.5	44.4	133.2	





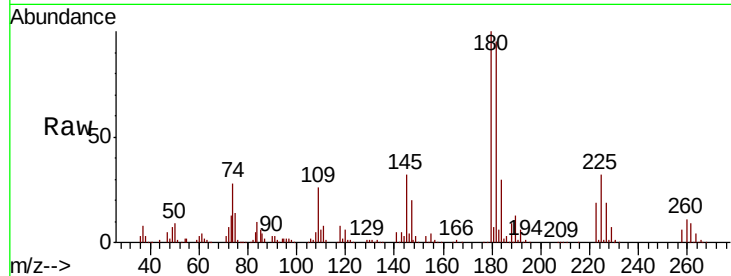
#93
 1,2,4-Trichlorobenzene
 Concen: 57.78 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059749.D
 Acq: 1 Aug 2018 11:53

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.7	47.2	141.6	
145	32.4	19.3	57.9	

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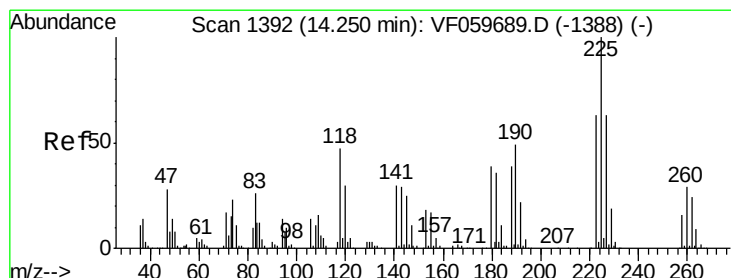
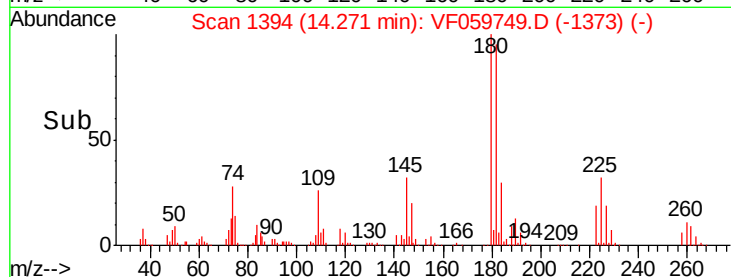
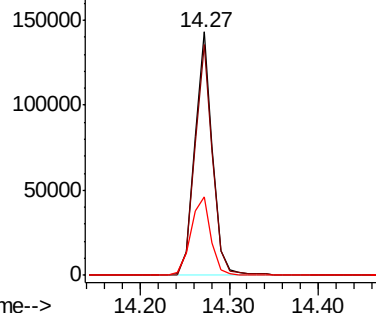


Abundance

Ion 180.00 (179.70 to 180.70): V

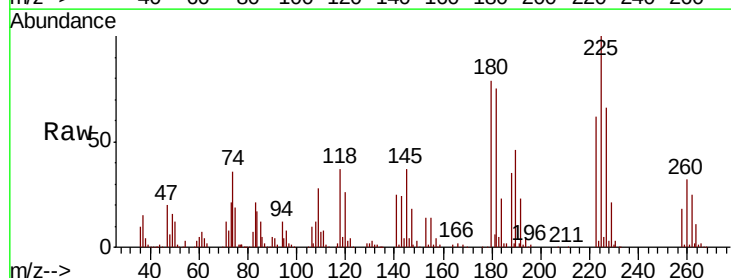
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 53.80 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059749.D
 Acq: 1 Aug 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.6	31.4	94.2	
227	66.2	31.5	94.5	

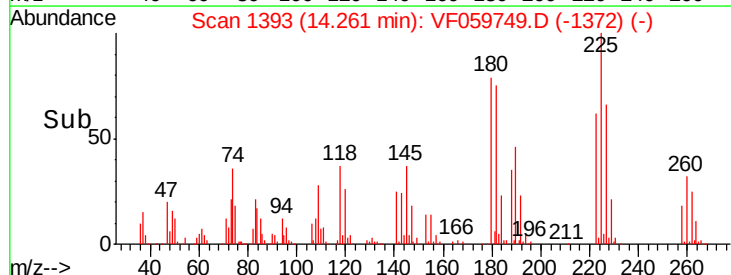
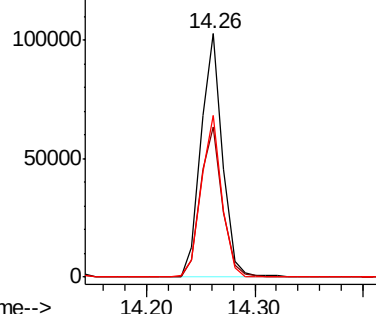


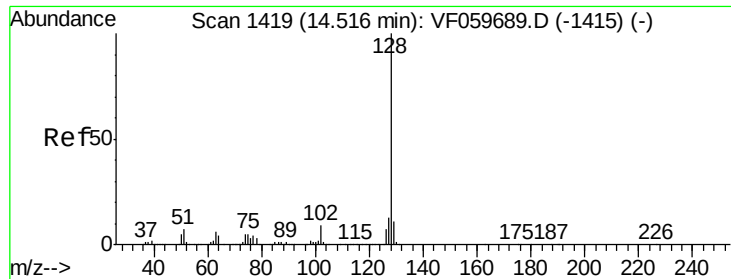
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





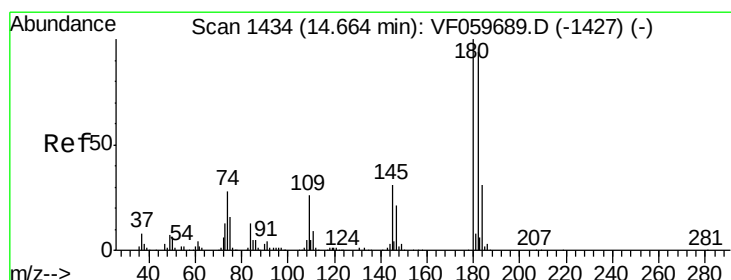
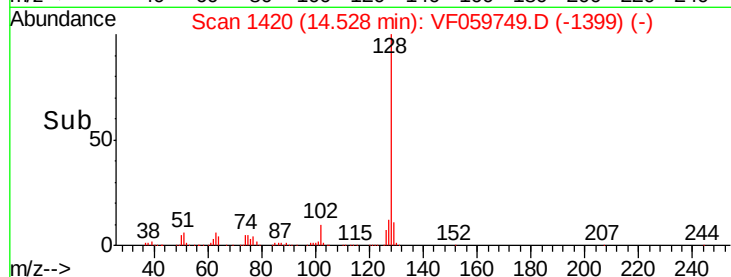
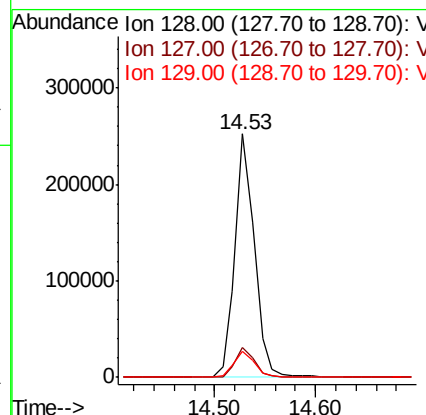
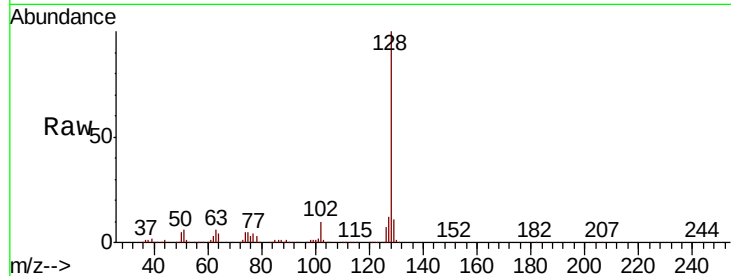
#95
Naphthalene
Concen: 48.75 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.01 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	338813		
127	12.1	10.0	15.0	
129	10.9	8.6	13.0	

Manual Integrations
APPROVED

apatel
8/2/2018 12:22:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.13 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.01 min
Lab File: VF059749.D
Acq: 1 Aug 2018 11:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	200261		
182	94.6	47.2	141.6	
145	34.1	15.6	46.7	

