

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059728.D
 Acq On : 1 Aug 2018 1:49
 Operator : VA/AP
 Sample : VF0731SBS03
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS03

Manual Integrations
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Quant Time: Aug 01 08:05:19 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	5.05	168	168100	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	239132	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	242448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	164390	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	162471	53.78	ug/l	0.01
Spiked Amount 50.000			Recovery	=	107.56%	
35) Dibromofluoromethane	4.30	113	131129	52.79	ug/l	0.01
Spiked Amount 50.000			Recovery	=	105.58%	
50) Toluene-d8	7.71	98	278452	48.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.16%	
62) 4-Bromofluorobenzene	11.51	95	160899	50.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.36%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	61748	30.469	ug/l	99
3) Chloromethane	1.08	50	28613	27.053	ug/l	94
4) Vinyl Chloride	1.15	62	29410	26.494	ug/l #	80
5) Bromomethane	1.33	94	26099	28.715	ug/l	94
6) Chloroethane	1.41	64	19298	28.581	ug/l	92
7) Trichlorofluoromethane	1.54	101	82742m	26.358	ug/l	
8) Diethyl Ether	1.71	74	12904	24.040	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.90	101	44228	26.900	ug/l	93
10) Methyl Iodide	1.96	142	67539	27.462	ug/l	93
11) Tert butyl alcohol	2.69	59	14469	118.011	ug/l	95
12) 1,1-Dichloroethene	1.84	96	32894	25.268	ug/l	96
13) Acrolein	2.09	56	3900	73.261	ug/l	92
14) Allyl chloride	2.19	41	51778	24.912	ug/l #	96
15) Acrylonitrile	3.08	53	23432	120.074	ug/l	89
16) Acetone	2.35	43	55291	101.749	ug/l	99
17) Carbon Disulfide	1.89	76	85954m	30.082	ug/l	
18) Methyl Acetate	2.45	43	29857	33.788	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	97427	24.541	ug/l	94
20) Methylene Chloride	2.28	84	33929	25.096	ug/l	87
21) trans-1,2-Dichloroethene	2.41	96	30692	25.693	ug/l	88
22) Diisopropyl ether	2.94	45	97203	22.115	ug/l	92
23) Vinyl Acetate	3.33	43	251246	111.183	ug/l	100
24) 1,1-Dichloroethane	3.01	63	74924	24.536	ug/l	99
25) 2-Butanone	4.51	43	60404	99.604	ug/l #	79
26) 2,2-Dichloropropane	3.78	77	49811	22.882	ug/l	97
27) cis-1,2-Dichloroethene	3.64	96	35523	21.723	ug/l	88
28) Bromochloromethane	3.88	49	26769	22.667	ug/l	100
29) Tetrahydrofuran	4.27	42	29308	125.741	ug/l	96
30) Chloroform	4.04	83	104007	24.133	ug/l	92
31) Cyclohexane	3.87	56	38245	23.670	ug/l	96
32) 1,1,1-Trichloroethane	4.28	97	84913	25.400	ug/l	95
36) 1,1-Dichloropropene	4.47	75	60080	22.656	ug/l	93
37) Ethyl Acetate	4.30	43	32600	25.000	ug/l #	81
38) Carbon Tetrachloride	4.17	117	94583m	24.877	ug/l	

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	46478	22.821	ug/l	96
40) Benzene	4.81	78	107745	22.311	ug/l	95
41) Methacrylonitrile	4.93	41	15768	24.777	ug/l	94
42) 1,2-Dichloroethane	5.12	62	86612	25.627	ug/l	97
43) Isopropyl Acetate	7.12	43	31918	22.322	ug/l #	84
44) Trichloroethene	5.68	130	41809	22.968	ug/l	81
45) 1,2-Dichloropropane	6.41	63	28292	22.184	ug/l	95
46) Dibromomethane	6.25	93	27102	22.383	ug/l	90
47) Bromodichloromethane	6.55	83	78629	23.847	ug/l	96
48) Methyl methacrylate	6.88	41	23853	22.178	ug/l	94
49) 1,4-Dioxane	6.88	88	2923	396.674	ug/l	96
51) 4-Methyl-2-Pentanone	8.41	43	127935	117.617	ug/l	98
52) Toluene	7.79	92	74377	21.638	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	63840	22.314	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	60992	22.009	ug/l	92
55) 1,1,2-Trichloroethane	8.64	97	32512	24.858	ug/l #	86
56) Ethyl methacrylate	8.76	69	30051	22.032	ug/l	97
57) 1,3-Dichloropropane	9.00	76	51890	23.126	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.79	63	18127	115.105	ug/l	100
59) 2-Hexanone	9.63	43	94362	108.257	ug/l	95
60) Dibromochloromethane	8.87	129	54459	23.597	ug/l	99
61) 1,2-Dibromoethane	9.14	107	36878	24.147	ug/l	93
64) Tetrachloroethene	8.31	164	44416	24.922	ug/l	95
65) Chlorobenzene	9.95	112	108020	22.272	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	53208	23.499	ug/l	90
67) Ethyl Benzene	10.04	91	193343	23.041	ug/l	96
68) m/p-Xylenes	10.27	106	132588	46.340	ug/l	95
69) o-Xylene	10.83	106	74054	23.951	ug/l	95
70) Styrene	10.90	104	109755	23.432	ug/l	98
71) Bromoform	10.89	173	36897	25.007	ug/l	92
73) Isopropylbenzene	11.23	105	234762	21.765	ug/l	98
74) N-amyl acetate	11.46	43	52633	19.341	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.79	83	47067	23.181	ug/l	94
76) 1,2,3-Trichloropropane	11.89	75	38310	22.189	ug/l	97
77) Bromobenzene	11.60	156	59328	21.063	ug/l	88
78) n-propylbenzene	11.69	91	270342	21.606	ug/l	99
79) 2-Chlorotoluene	11.82	91	169916	21.957	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	215542	22.527	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.96	75	14258m	19.941	ug/l	
82) 4-Chlorotoluene	12.00	91	181085	22.125	ug/l	97
83) tert-Butylbenzene	12.21	119	217174	22.429	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	228560	23.968	ug/l	100
85) sec-Butylbenzene	12.39	105	286928	23.149	ug/l	98
86) p-Isopropyltoluene	12.54	119	244563	22.372	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	121991	23.416	ug/l	98
88) 1,4-Dichlorobenzene	12.65	146	115819	22.638	ug/l	98
89) n-Butylbenzene	12.92	91	234523	22.575	ug/l	95
90) Hexachloroethane	13.00	117	63813	23.456	ug/l	77
91) 1,2-Dichlorobenzene	13.02	146	115364	23.312	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11442	23.052	ug/l	91

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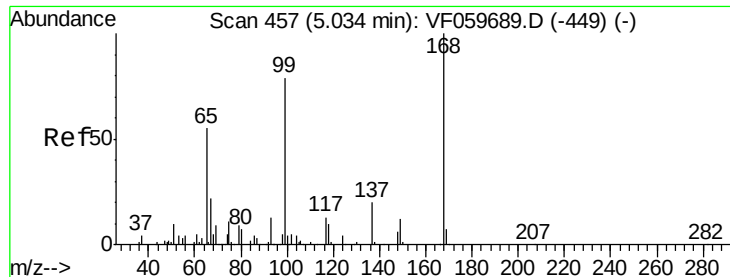
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Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	91650	23.012	ug/l	91
94) Hexachlorobutadiene	14.25	225	60790	22.545	ug/l	98
95) Naphthalene	14.52	128	153705	21.686	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	88617	22.621	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion:168 Resp: 168100

Ion Ratio Lower Upper

168 100

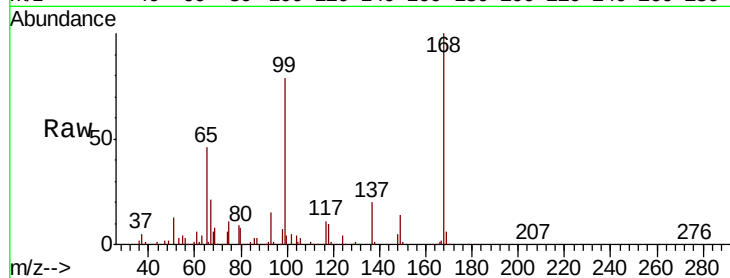
99 78.9 63.3 94.9

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

60000

50000

40000

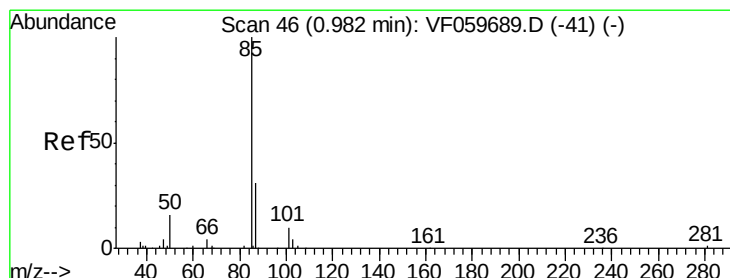
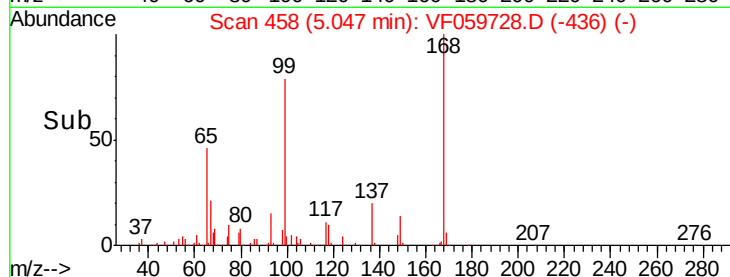
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 30.469 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059728.D

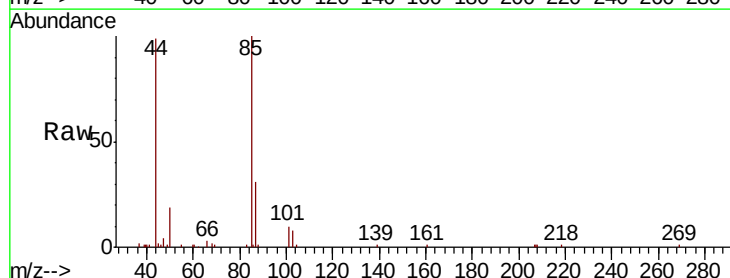
Acq: 1 Aug 2018 1:49

Tgt Ion: 85 Resp: 61748

Ion Ratio Lower Upper

85 100

87 31.1 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

25000

20000

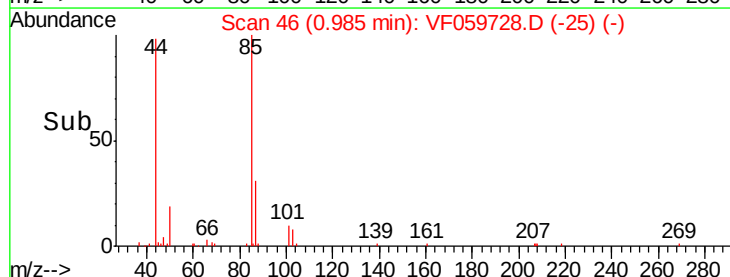
15000

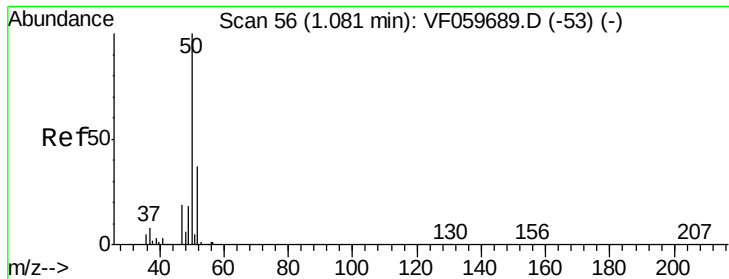
10000

5000

0

Time-->





#3

Chloromethane

Concen: 27.053 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

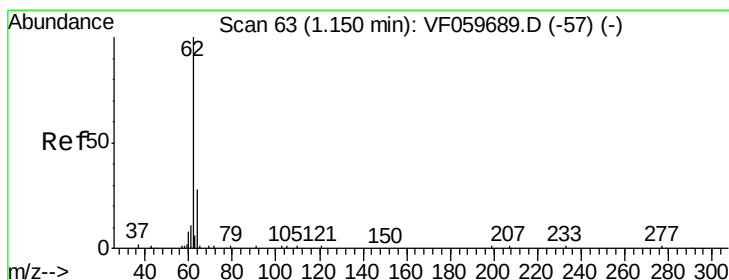
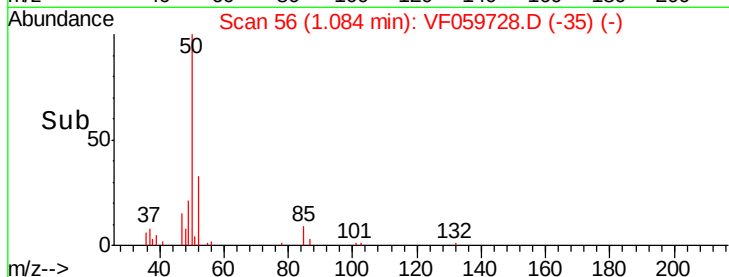
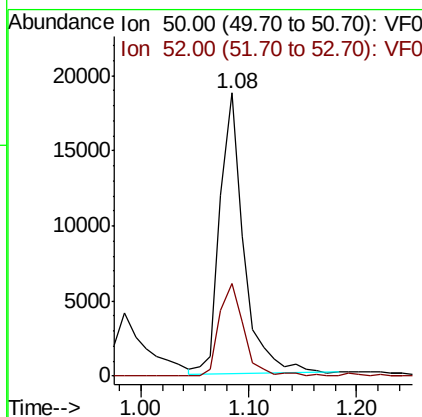
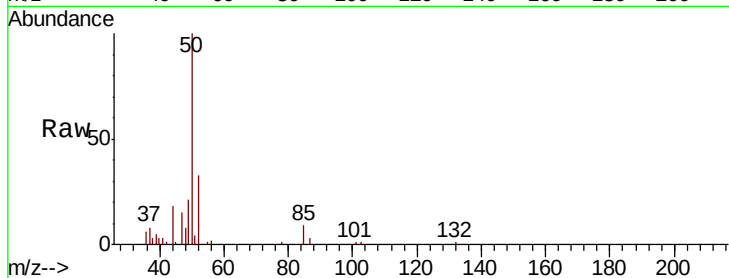
ClientSampleId :

VF0731SBS03

Tot Ion	50	Resp	28613
Ion	Ratio	Lower	Upper
50	100		
52	32.8	29.1	43.7

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#4

Vinyl Chloride

Concen: 26.494 ug/l

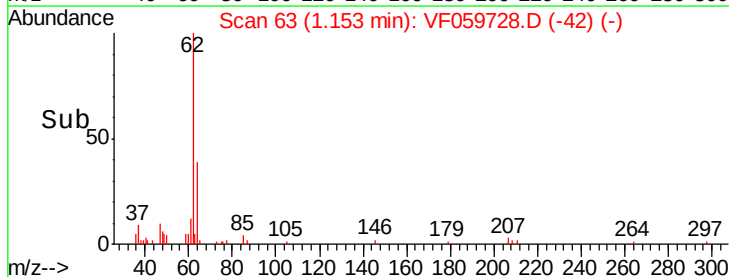
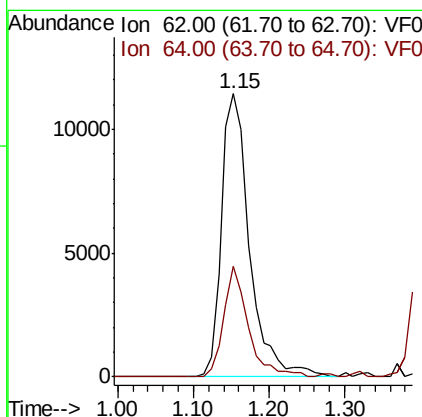
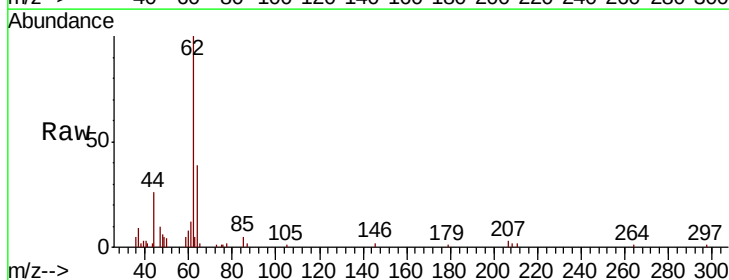
RT: 1.15 min Scan# 63

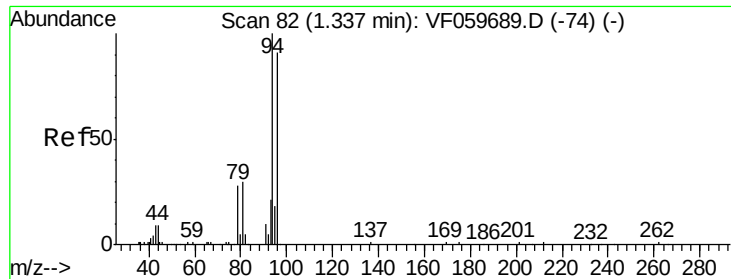
Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Tgt Ion	62	Resp	29410
Ion	Ratio	Lower	Upper
62	100		
64	38.9	22.6	33.8





#5

Bromomethane

Concen: 28.715 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion: 94 Resp: 26099

Ion Ratio Lower Upper

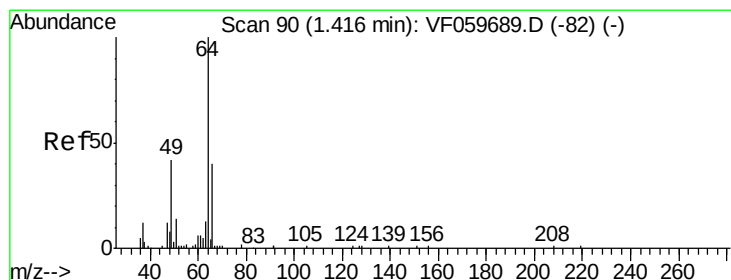
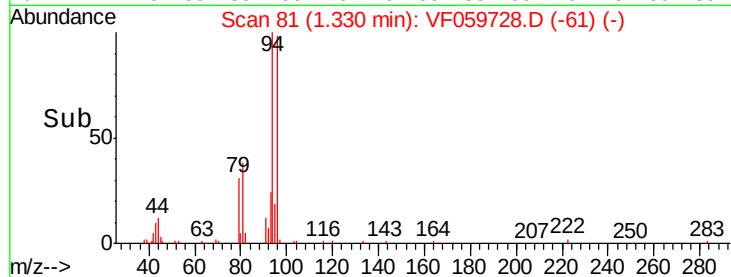
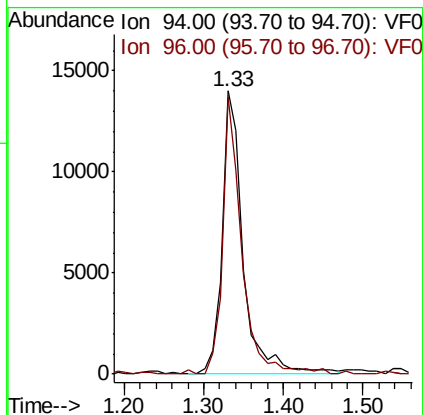
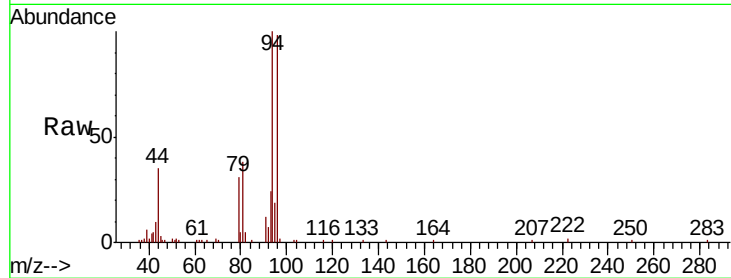
94 100

96 97.8 73.6 110.4

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#6

Chloroethane

Concen: 28.581 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059728.D

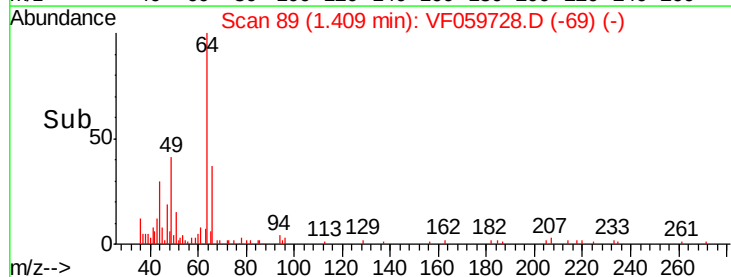
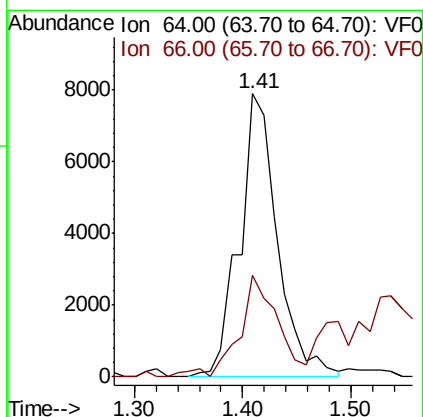
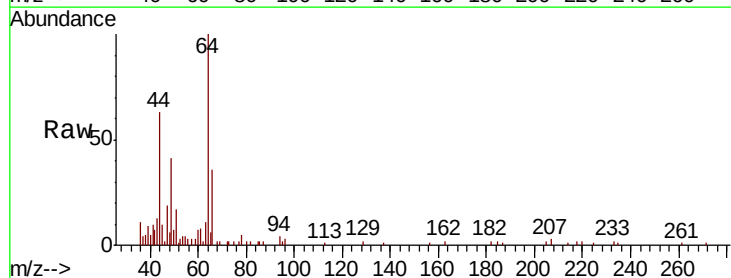
Acq: 1 Aug 2018 1:49

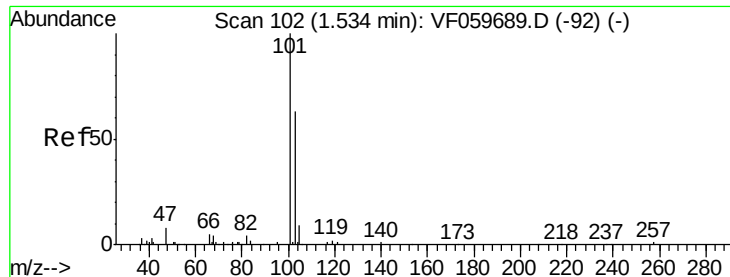
Tgt Ion: 64 Resp: 19298

Ion Ratio Lower Upper

64 100

66 35.9 32.6 49.0





#7

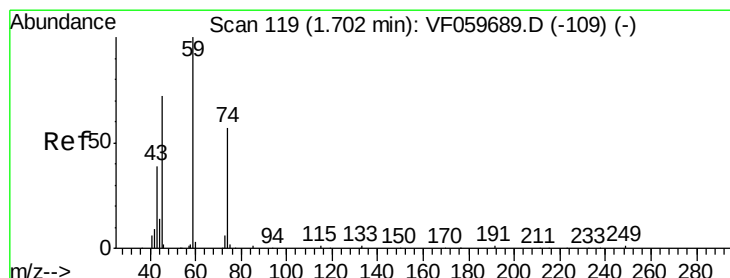
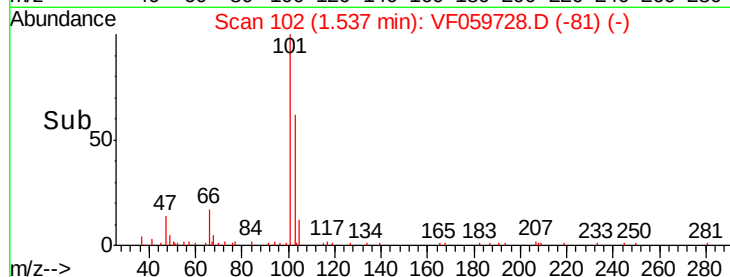
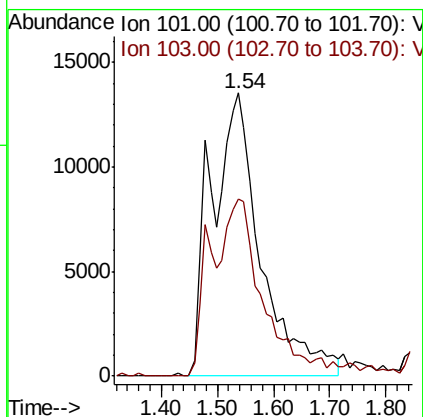
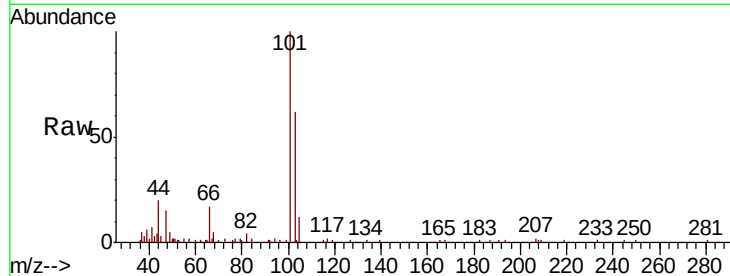
Trichlorofluoromethane
Concen: 26.358 ug/l m
RT: 1.54 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.4	50.8	76.2

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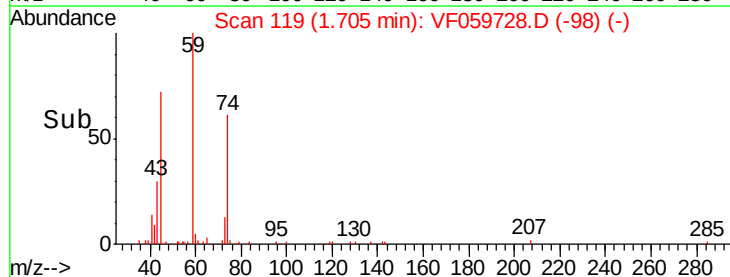
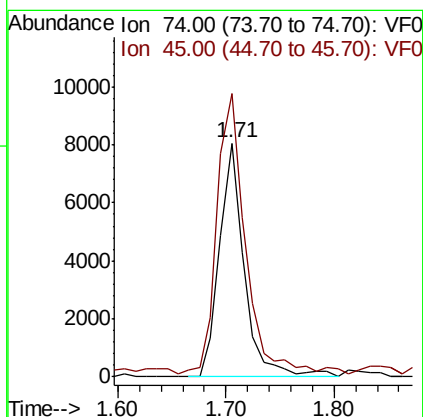
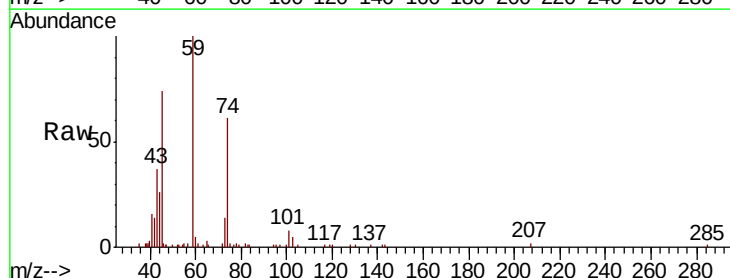
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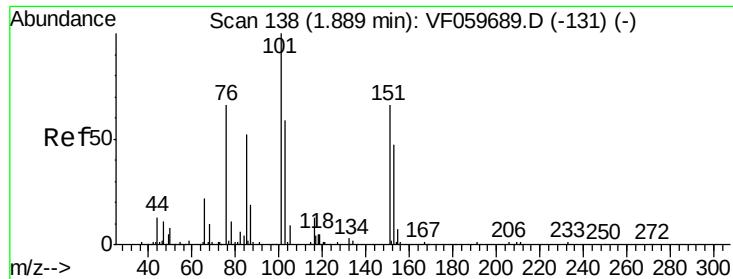


#8

Diethyl Ether
Concen: 24.040 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.1	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 26.900 ug/l

RT: 1.90 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

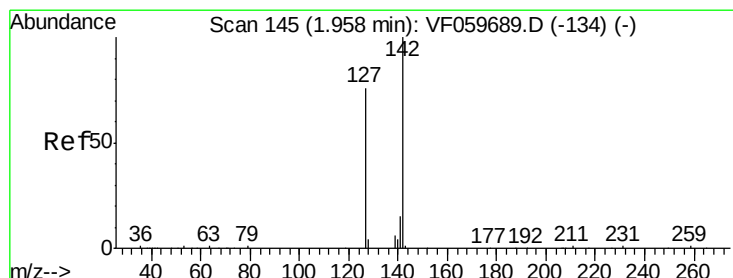
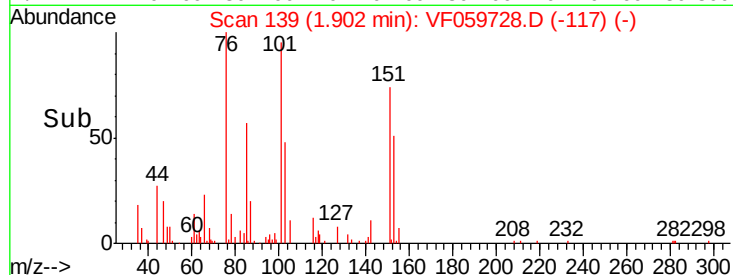
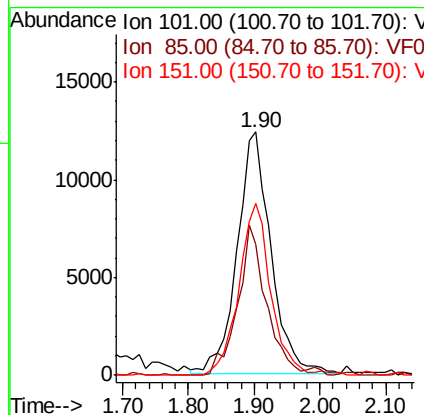
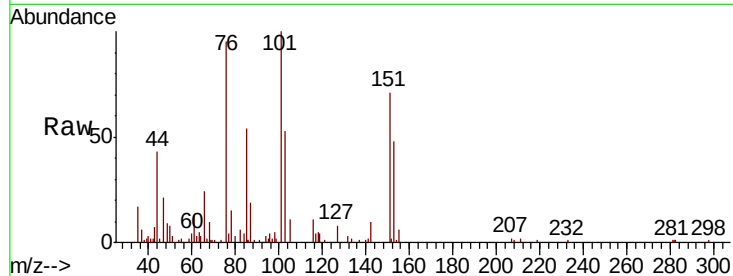
ClientSampleId :

VF0731SBS03

Tot Ion:	101	Resp:	44228
Ion Ratio	Lower	Upper	
101	100		
85	54.7	40.7	61.1
151	70.8	51.4	77.2

Manual Integrations
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#10

Methyl Iodide

Concen: 27.462 ug/l

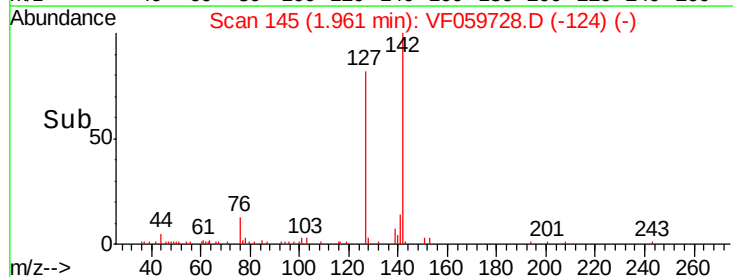
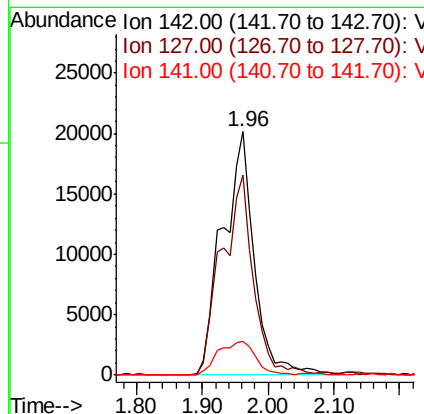
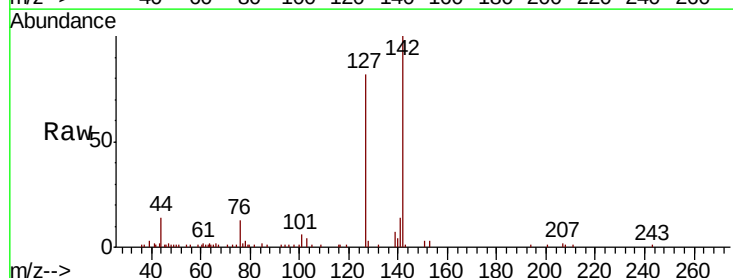
RT: 1.96 min Scan# 145

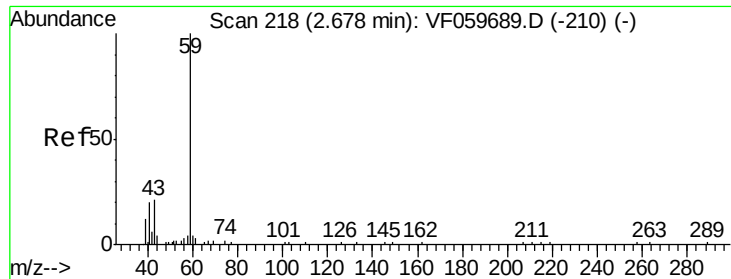
Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Tgt Ion:	142	Resp:	67539
Ion Ratio	Lower	Upper	
142	100		
127	82.4	60.6	91.0
141	13.8	12.0	18.0





#11

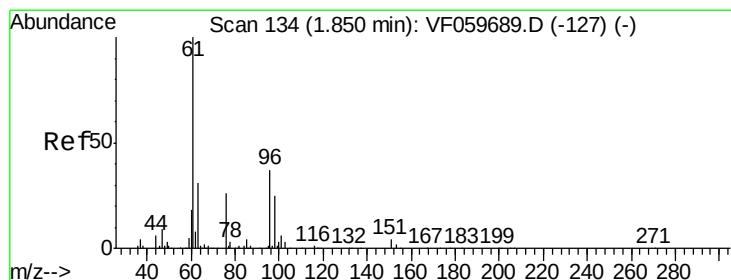
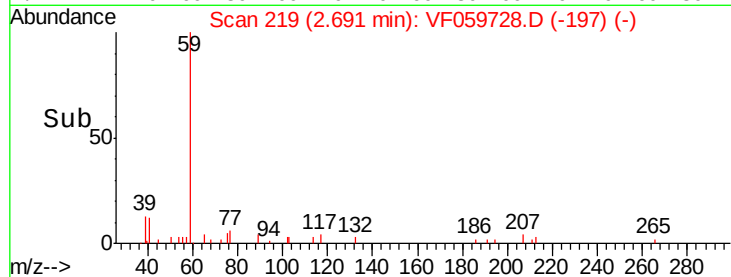
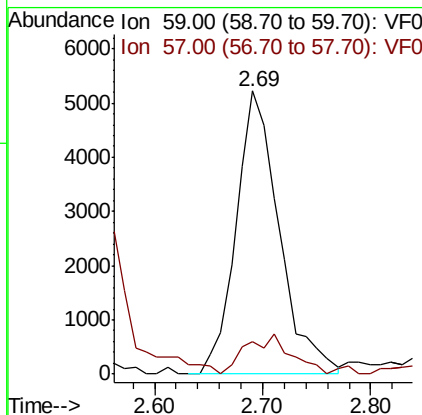
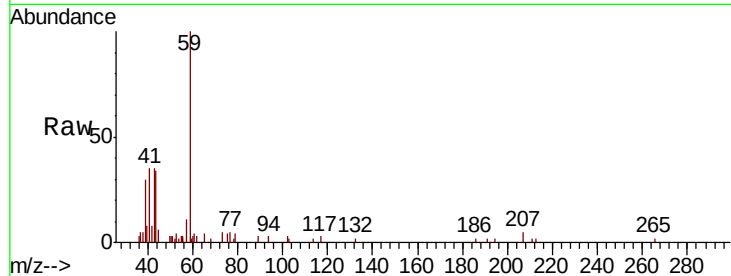
Tert butyl alcohol
Concen: 118.011 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.3	7.6	11.4

Manual Integrations
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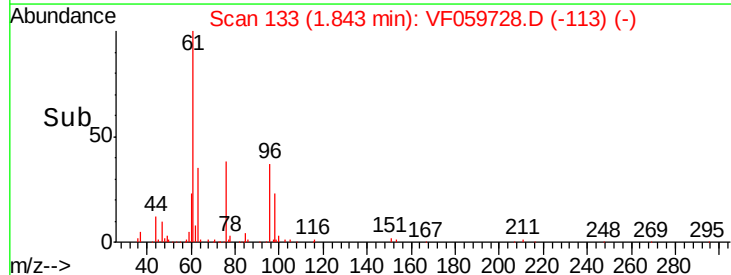
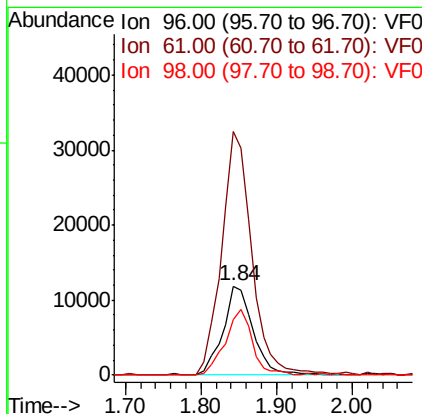
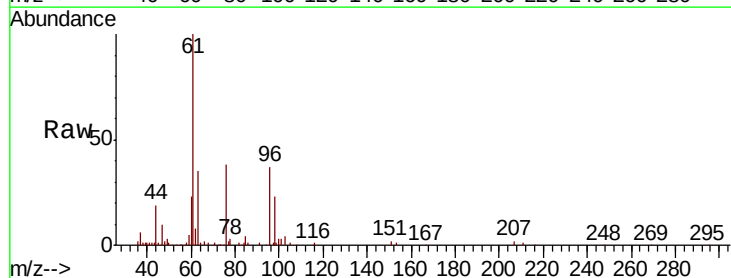
apatel
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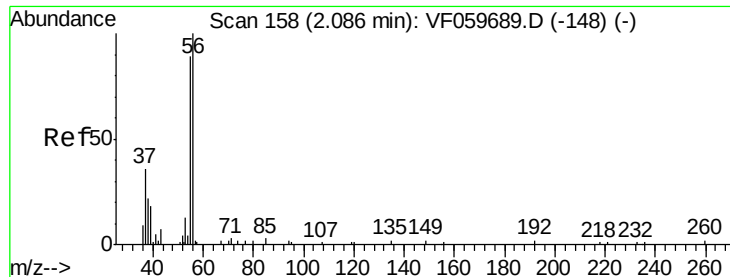


#12

1,1-Dichloroethene
Concen: 25.268 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	273.3	215.1	322.7
98	61.6	54.3	81.5





#13

Acrolein

Concen: 73.261 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion: 56 Resp: 3900

Ion Ratio Lower Upper

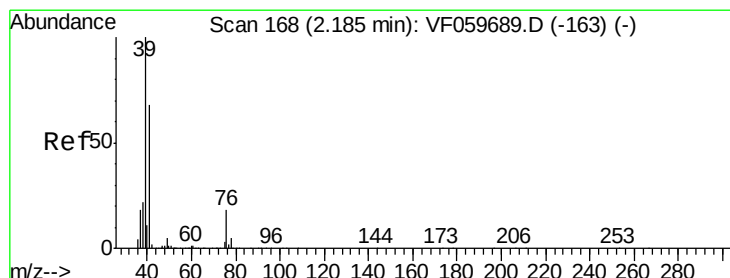
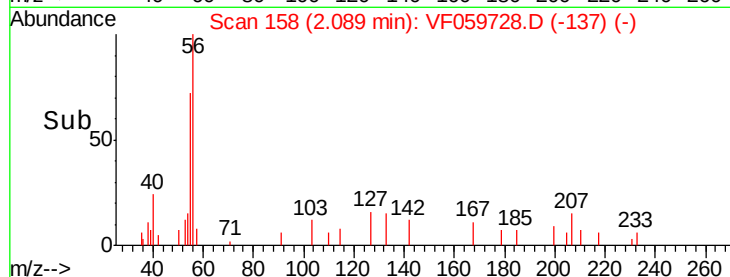
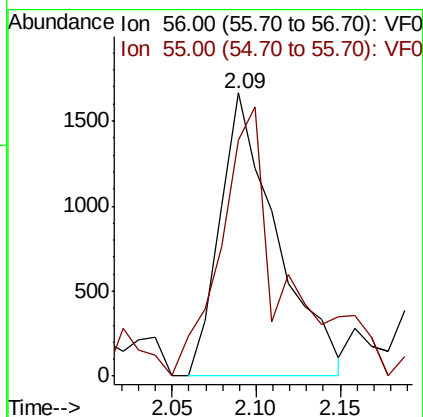
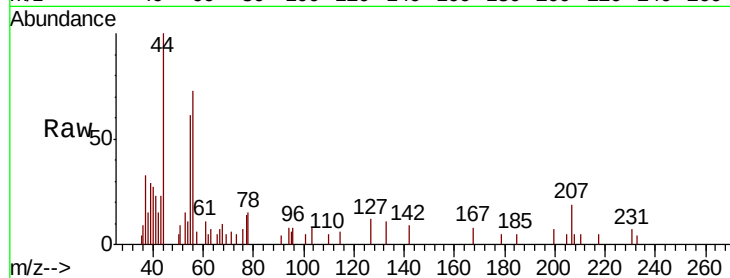
56 100

55 83.6 73.2 109.8

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#14

Allyl chloride

Concen: 24.912 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

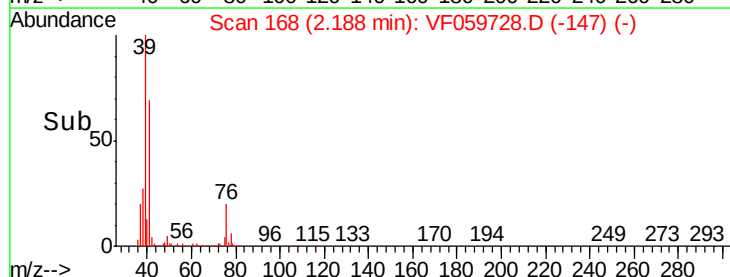
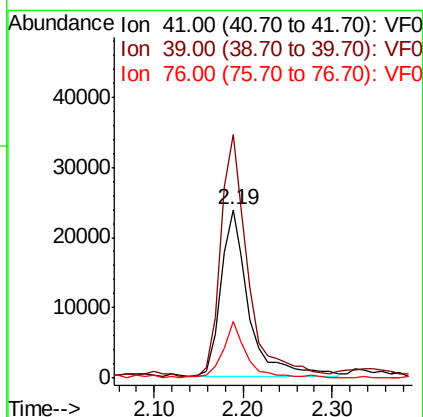
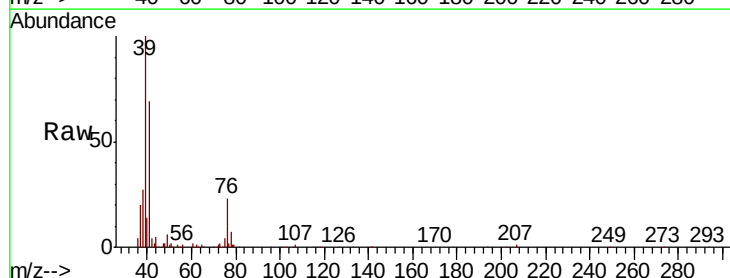
Tgt Ion: 41 Resp: 51778

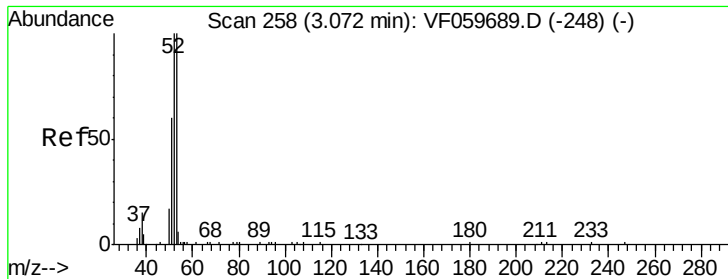
Ion Ratio Lower Upper

41 100

39 144.8 118.1 177.1

76 33.5 22.0 33.0#





#15

Acrylonitrile

Concen: 120.074 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

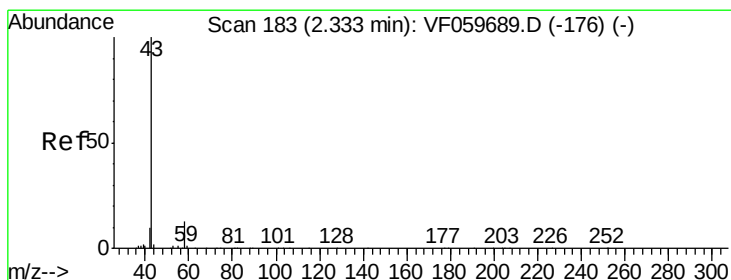
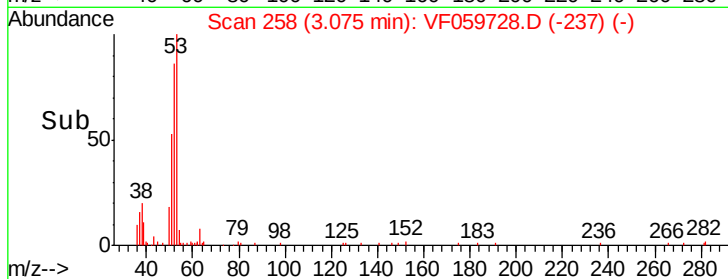
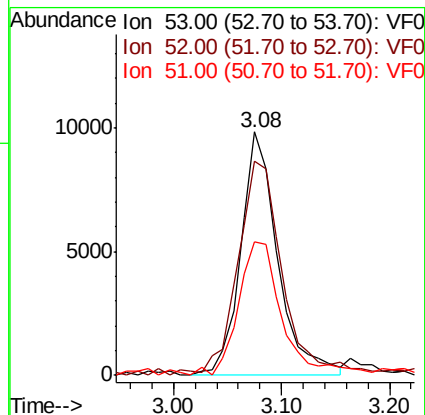
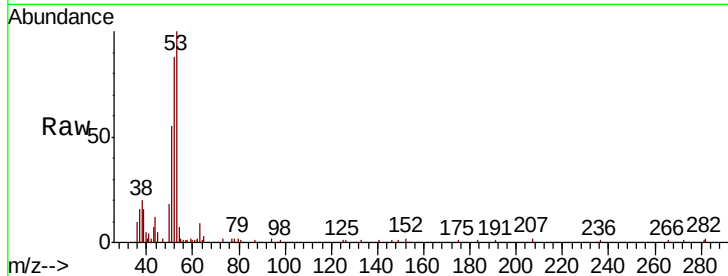
ClientSampleId :

VF0731SBS03

Tot Ion:	53	Resp:	23432
Ion	Ratio	Lower	Upper
53	100		
52	87.9	80.3	120.5
51	54.8	49.4	74.0

Manual Integrations
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#16

Acetone

Concen: 101.749 ug/l

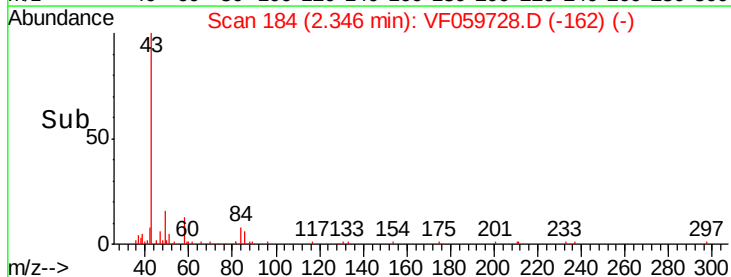
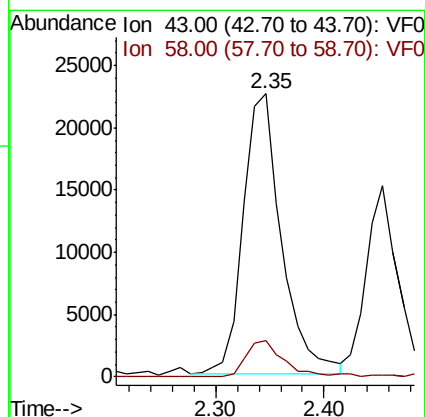
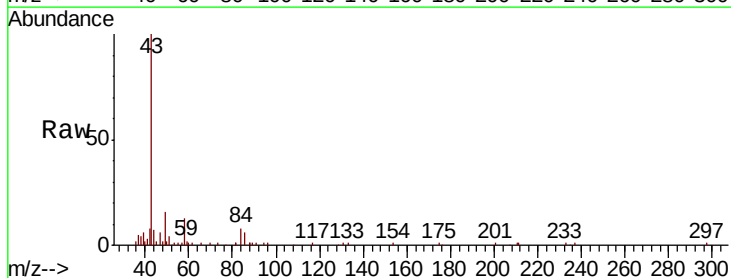
RT: 2.35 min Scan# 184

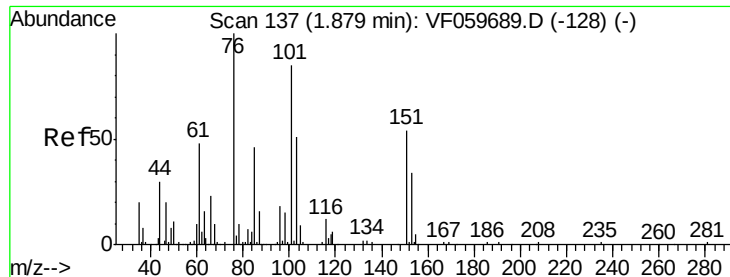
Delta R.T. 0.01 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Tgt Ion:	43	Resp:	55291
Ion	Ratio	Lower	Upper
43	100		
58	13.0	10.1	15.1





#17

Carbon Disulfide

Concen: 30.082 ug/l m

RT: 1.89 min Scan# 138

Delta R.T. 0.01 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion: 76 Resp: 85954

Ion Ratio Lower Upper

76 100

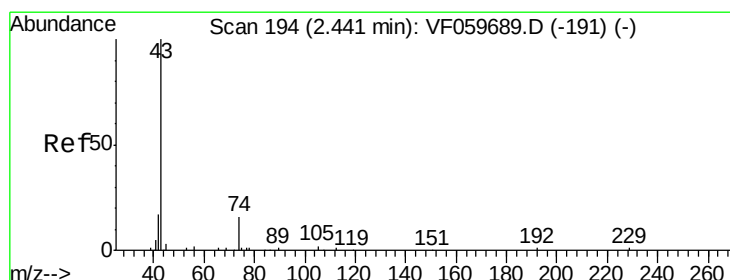
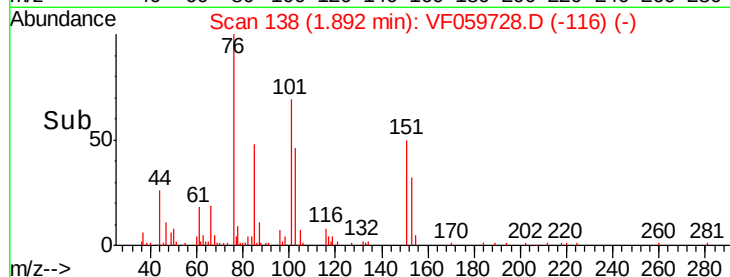
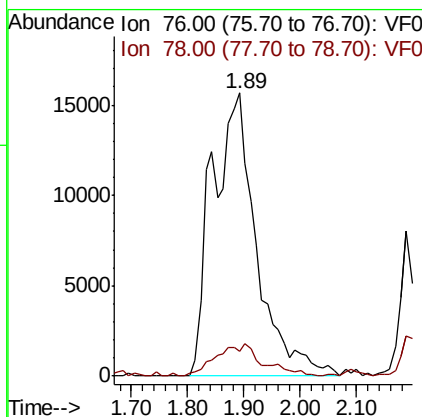
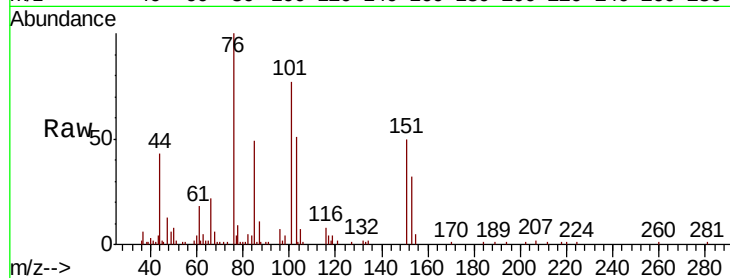
78 8.7 8.9 13.3#

Manual Integrations

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#18

Methyl Acetate

Concen: 33.788 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.01 min

Lab File: VF059728.D

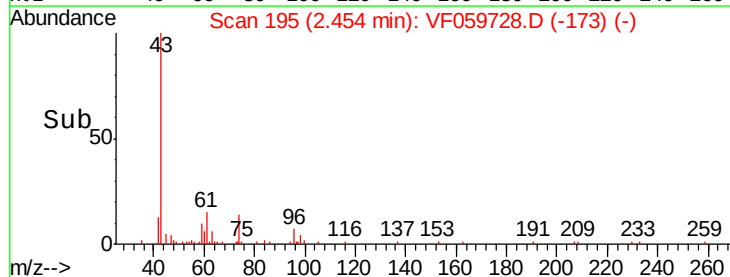
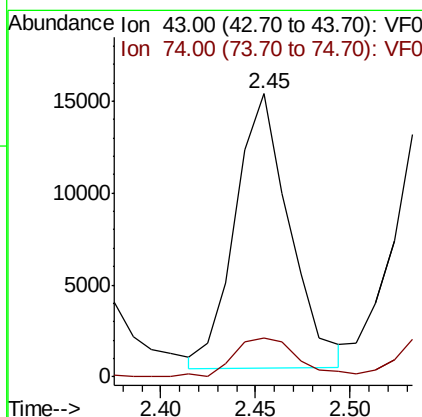
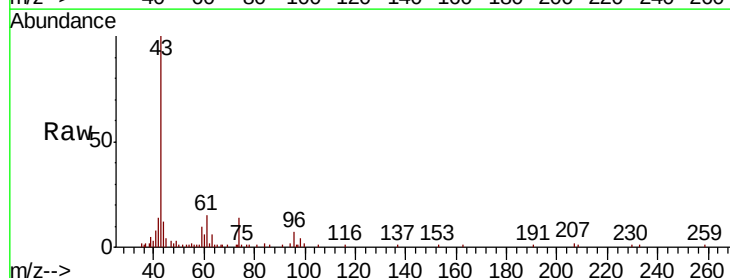
Acq: 1 Aug 2018 1:49

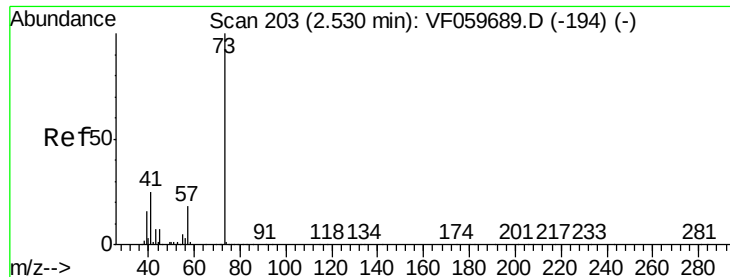
Tgt Ion: 43 Resp: 29857

Ion Ratio Lower Upper

43 100

74 13.8 11.8 17.6





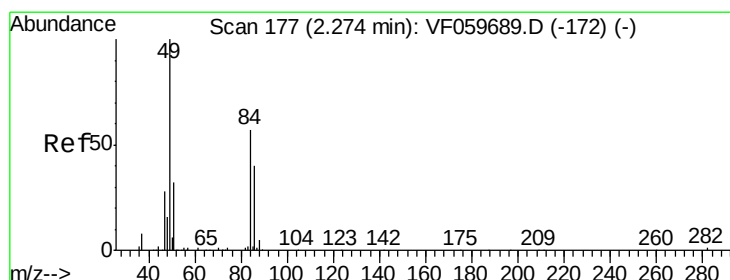
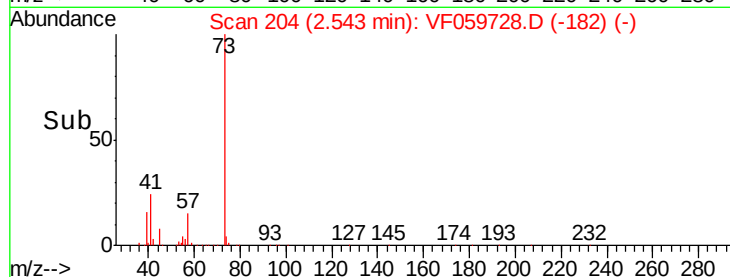
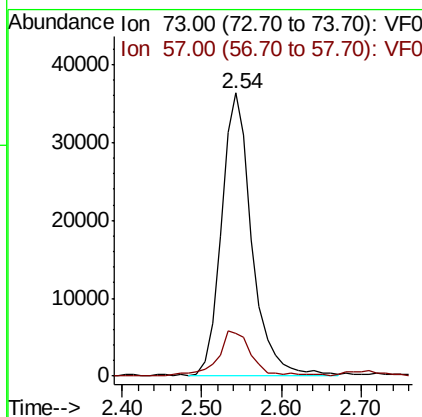
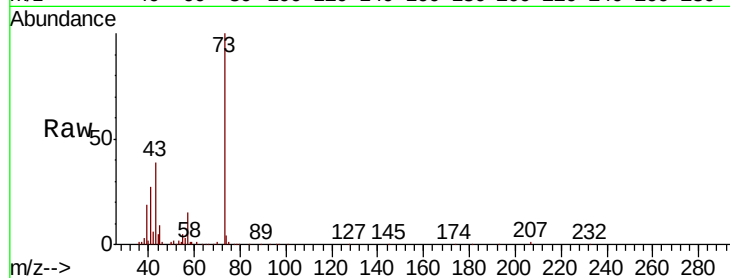
#19
Methyl tert-butyl Ether
Concen: 24.541 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.01 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.2	14.2	21.2

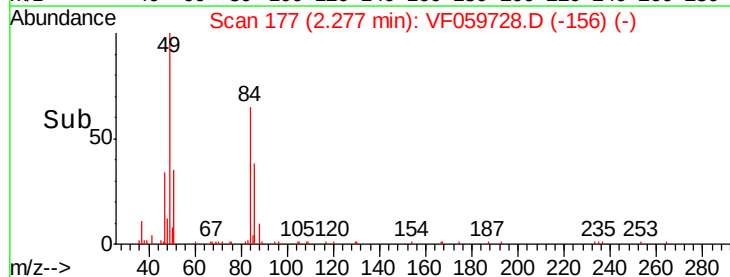
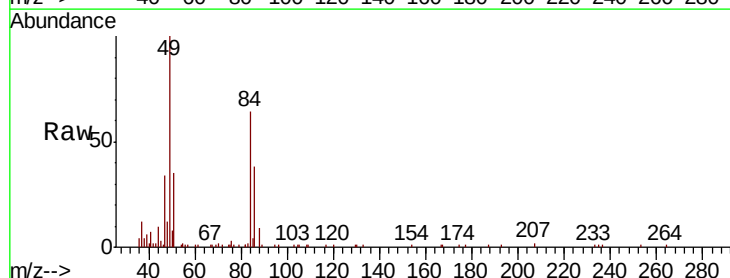
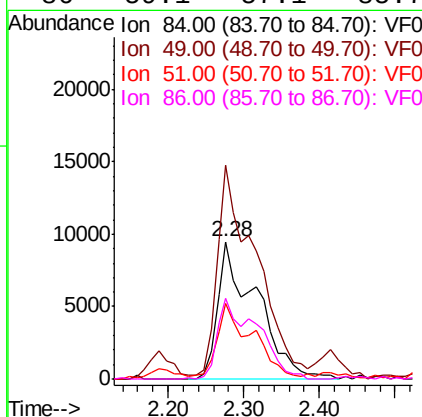
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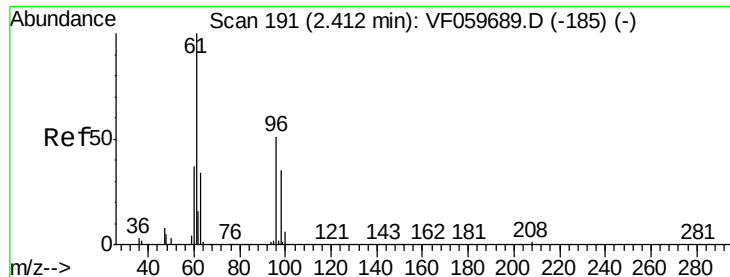
apatel
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#20
Methylene Chloride
Concen: 25.096 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Tgt Ion	Ratio	Lower	Upper
84	100		
49	155.7	142.2	213.4
51	55.1	46.2	69.2
86	59.1	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 25.693 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

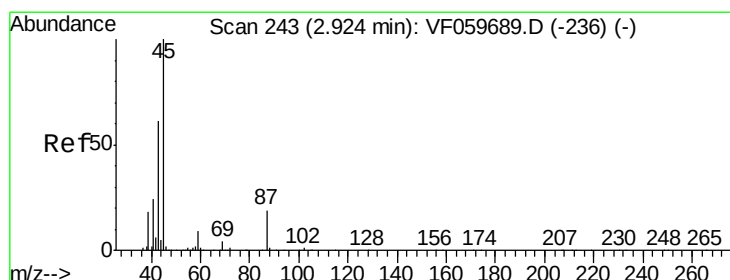
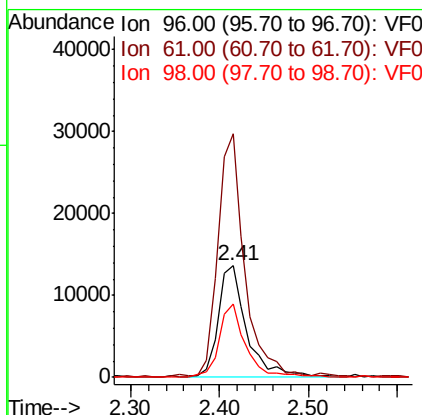
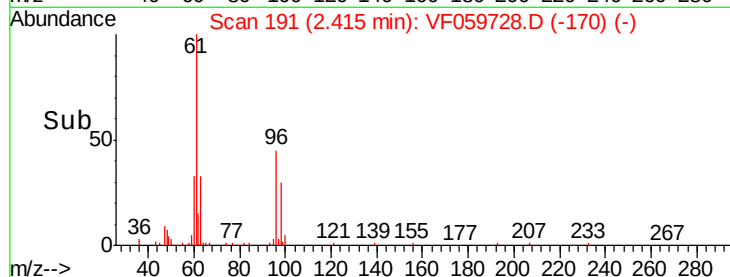
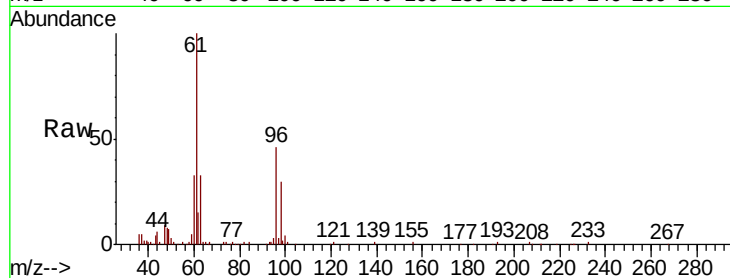
ClientSampleId :

VF0731SBS03

Tot Ion:	96	Resp:	30692
Ion	Ratio	Lower	Upper
96	100		
61	218.8	157.4	236.0
98	65.6	55.0	82.4

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#22

Diisopropyl ether

Concen: 22.115 ug/l

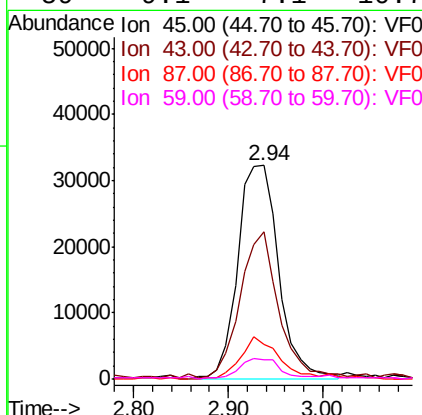
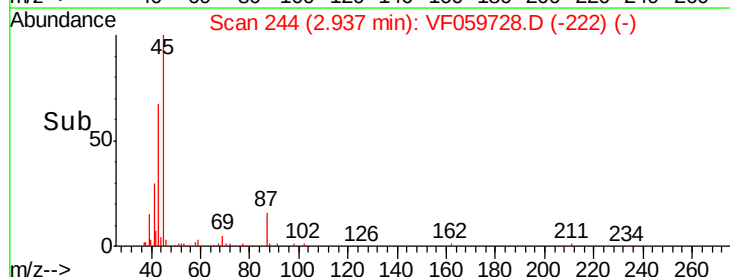
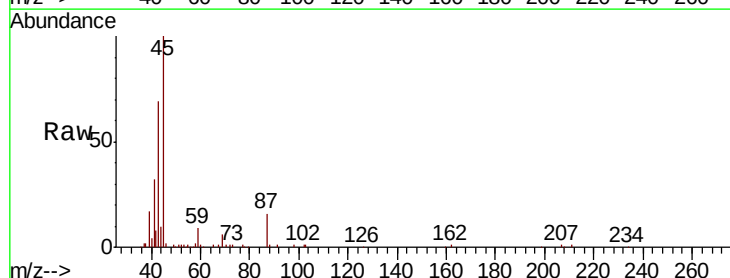
RT: 2.94 min Scan# 244

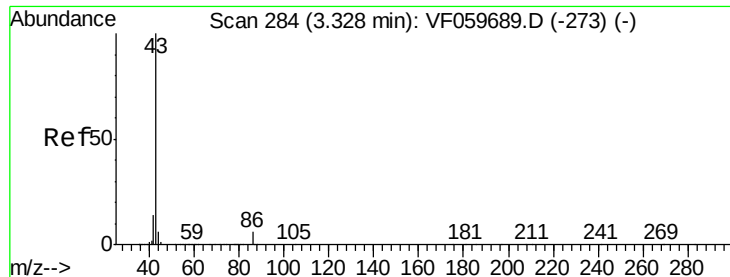
Delta R.T. 0.01 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Tgt Ion:	45	Resp:	97203
Ion	Ratio	Lower	Upper
45	100		
43	68.8	49.3	73.9
87	16.2	15.3	22.9
59	9.1	7.1	10.7





#23

Vinyl Acetate

Concen: 111.183 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

ClientSampleID :

VF0731SBSD03

Tot Ion: 43 Resp: 251246

Ion Ratio Lower Upper

43 100

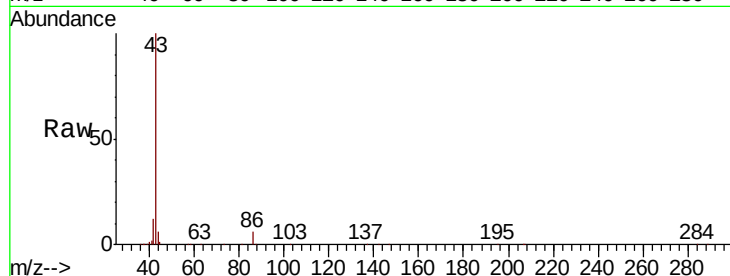
86 5.8 4.6 6.8

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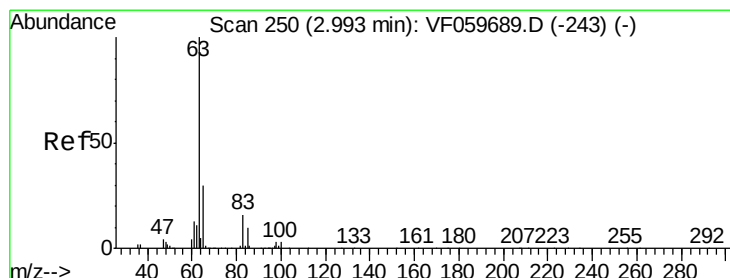
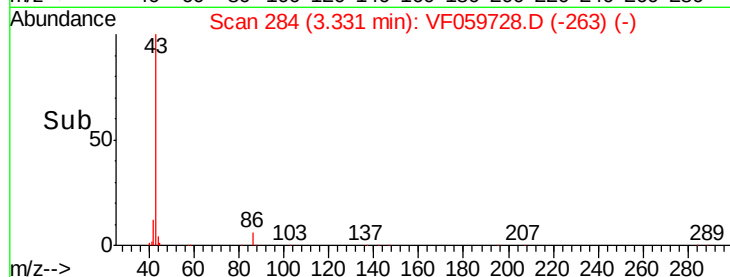
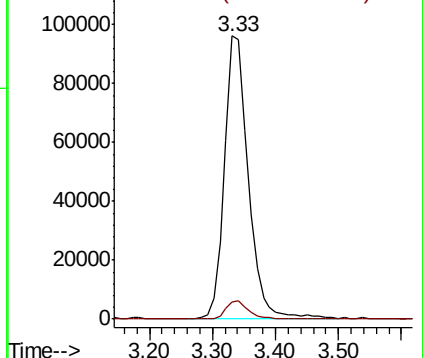
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 24.536 ug/l

RT: 3.01 min Scan# 251

Delta R.T. 0.01 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

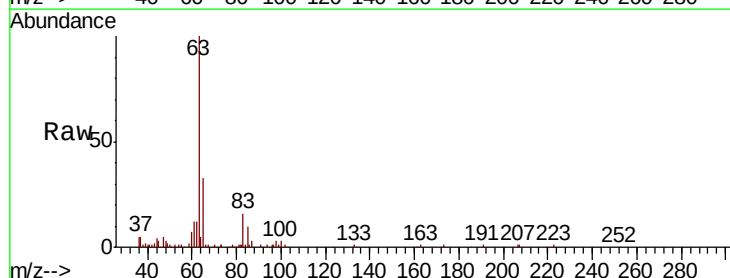
Tgt Ion: 63 Resp: 74924

Ion Ratio Lower Upper

63 100

98 3.4 1.4 4.2

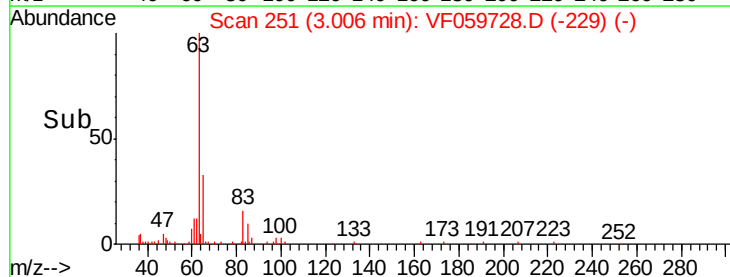
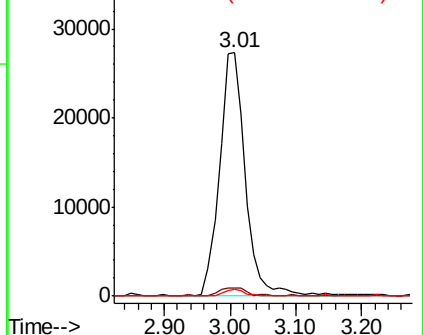
100 2.7 1.6 4.7

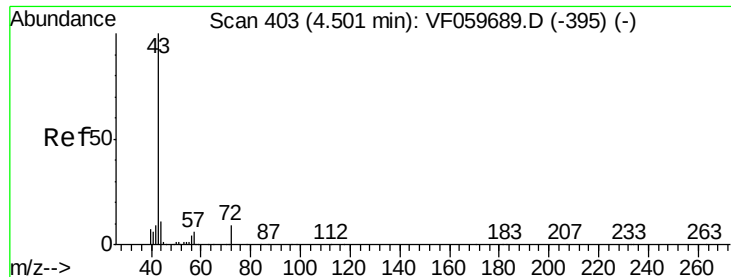


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 99.604 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion: 43 Resp: 60404

Ion Ratio Lower Upper

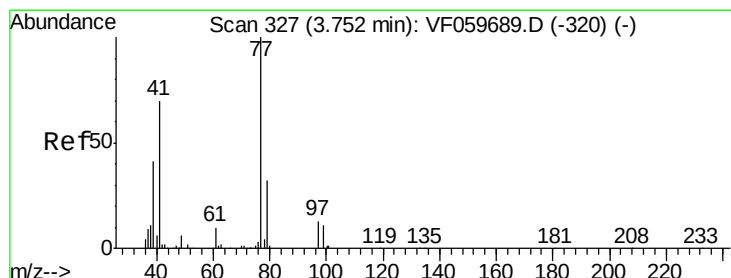
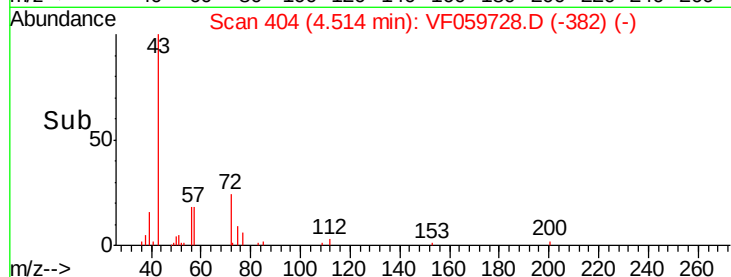
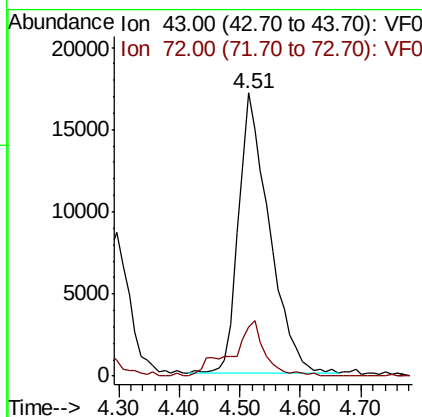
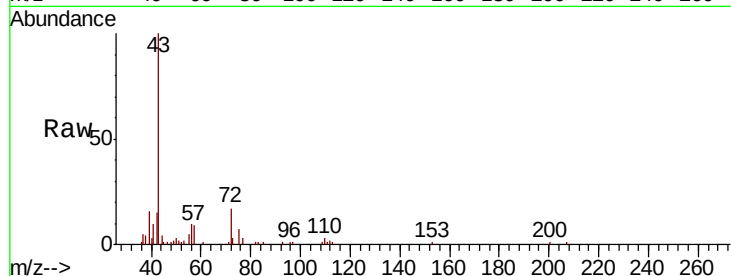
43 100

72 17.4 7.7 11.5#

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#26

2,2-Dichloropropane

Concen: 22.882 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.02 min

Lab File: VF059728.D

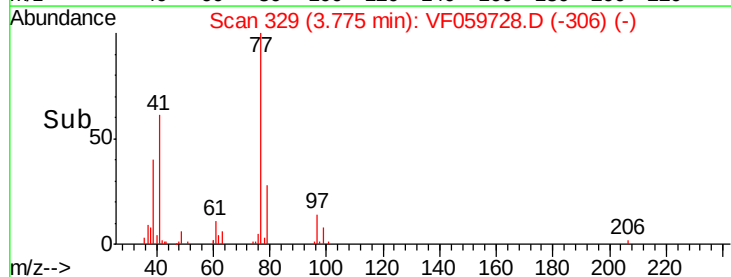
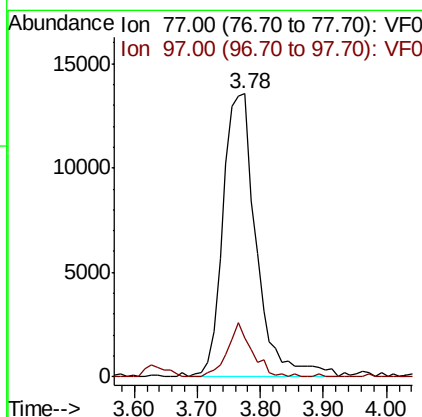
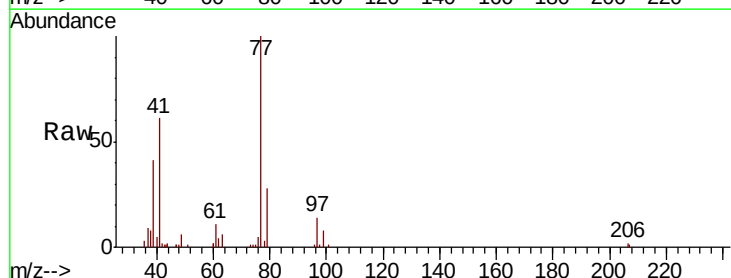
Acq: 1 Aug 2018 1:49

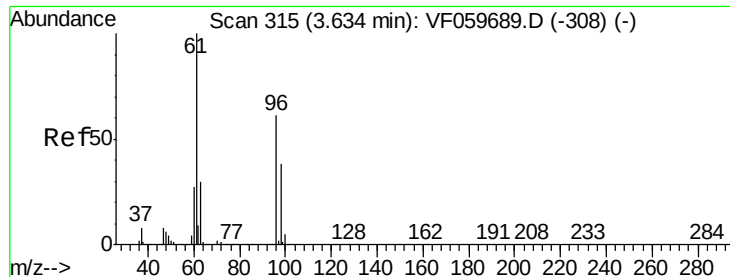
Tgt Ion: 77 Resp: 49811

Ion Ratio Lower Upper

77 100

97 14.7 6.8 20.4





#27

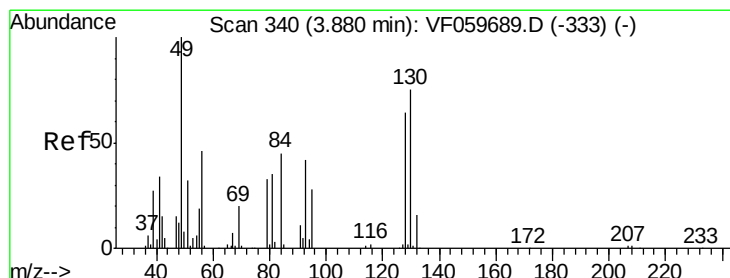
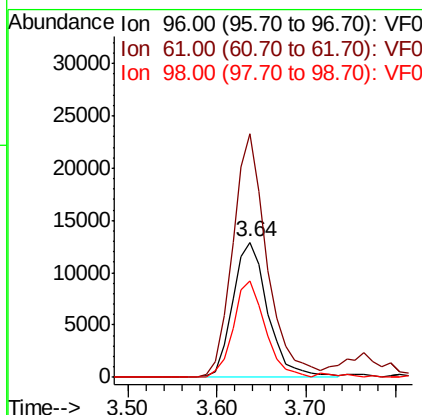
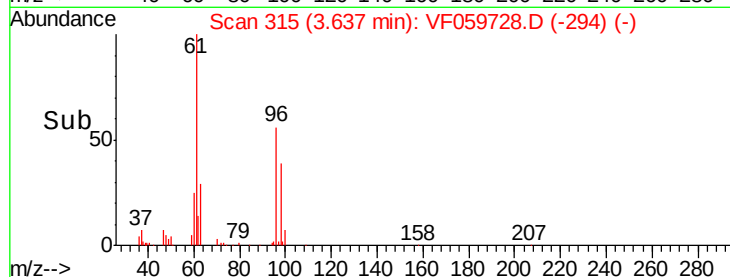
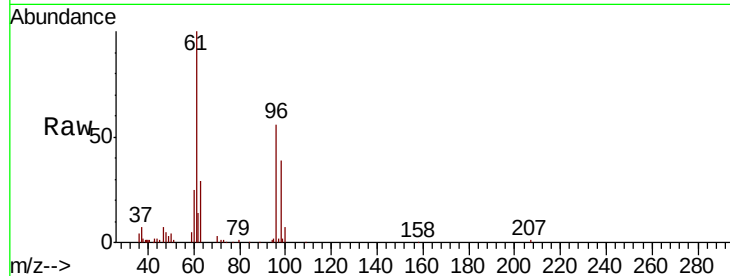
cis-1,2-Dichloroethene
 Concen: 21.723 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VF059728.D
 Acq: 1 Aug 2018 1:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBSD03

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	180.0	0.0	326.8	
98	71.0	0.0	125.2	

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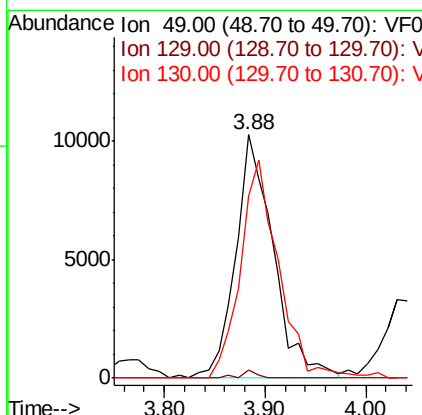
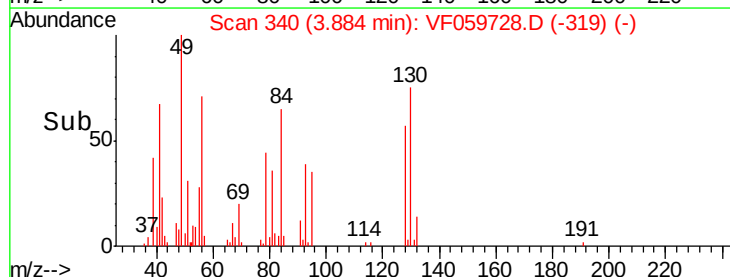
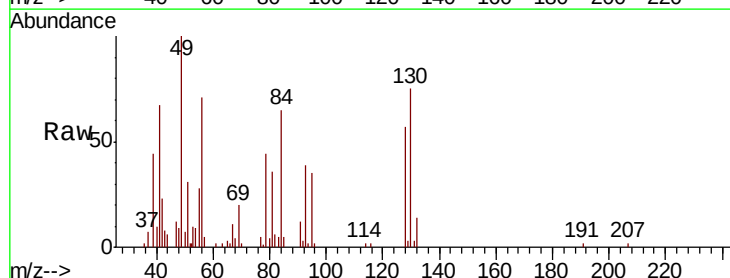
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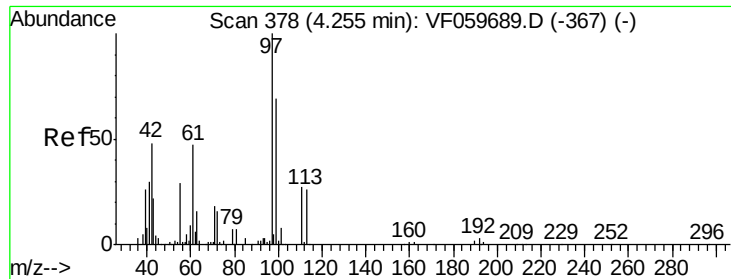


#28

Bromochloromethane
 Concen: 22.667 ug/l
 RT: 3.88 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VF059728.D
 Acq: 1 Aug 2018 1:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.3	0.0	4.8	
130	74.6	59.6	89.4	





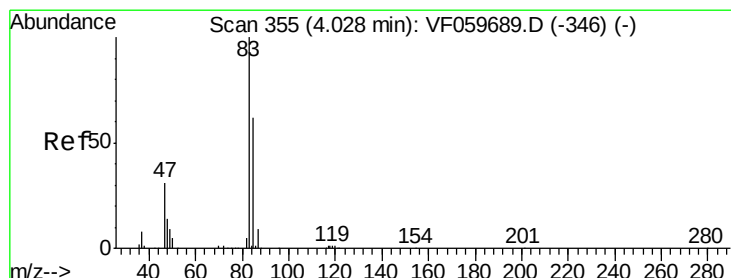
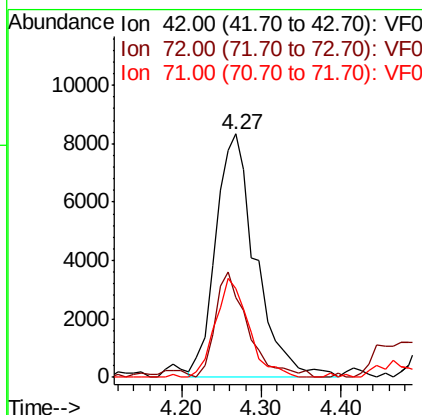
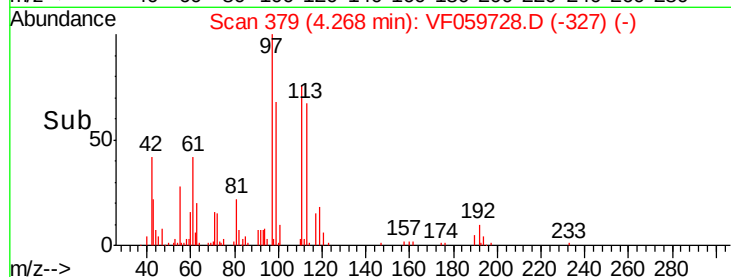
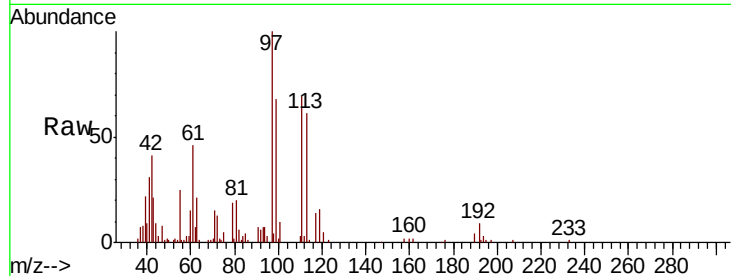
#29
Tetrahydrofuran
Concen: 125.741 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	35.4	27.0	40.6	
71	34.0	29.7	44.5	

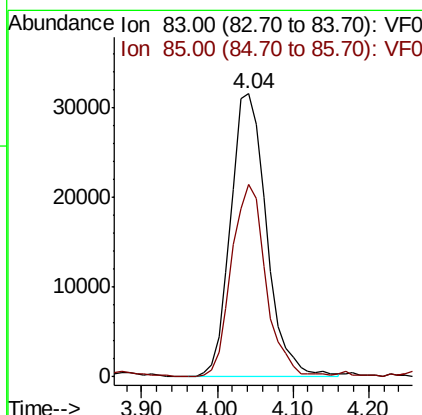
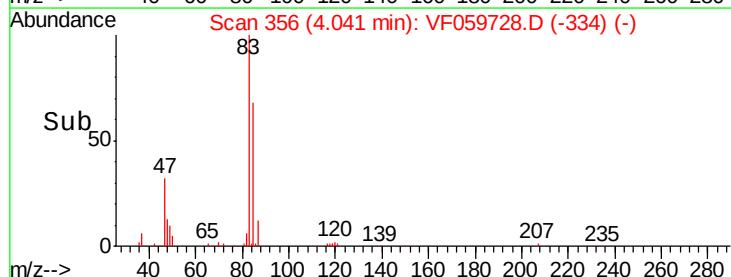
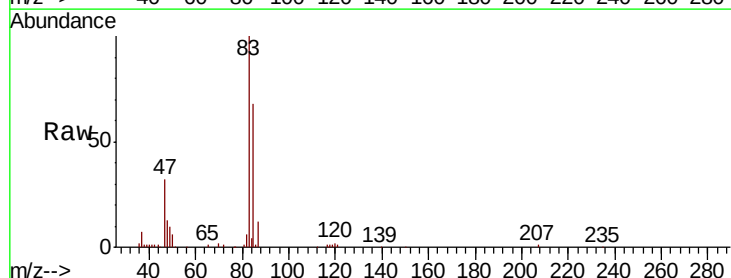
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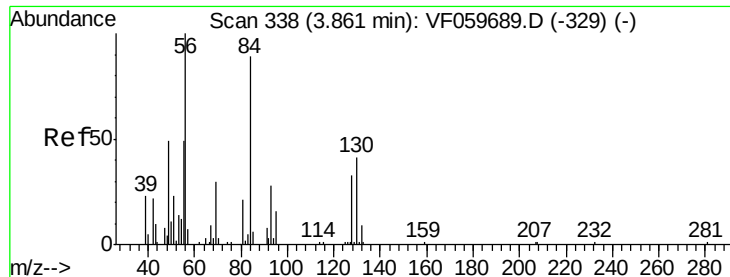
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#30
Chloroform
Concen: 24.133 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.01 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	67.9	49.4	74.0	





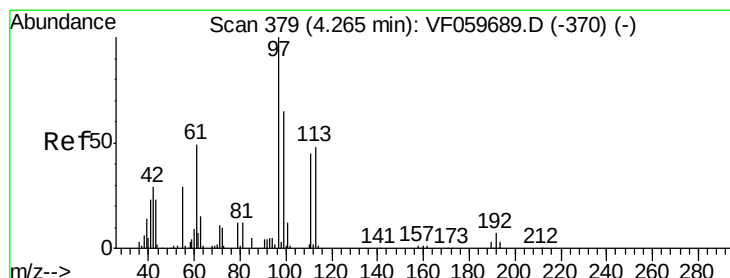
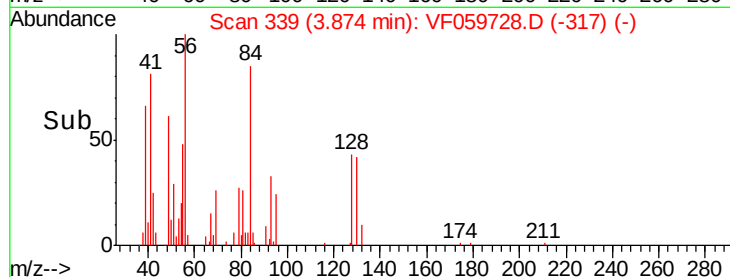
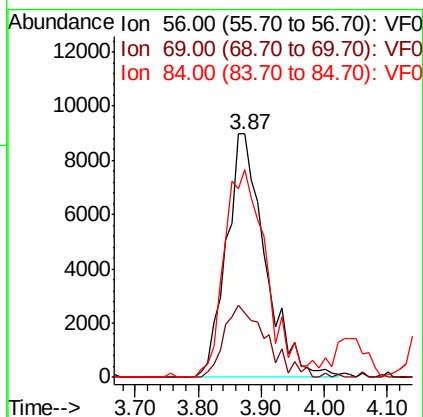
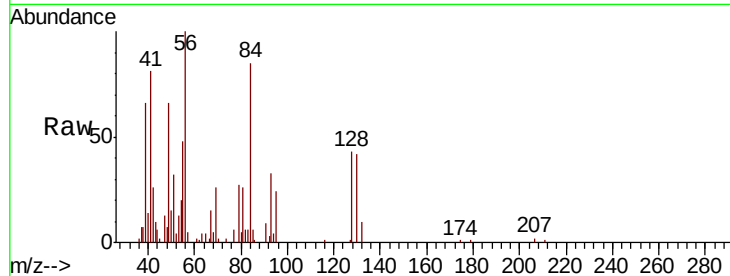
#31
Cyclohexane
Concen: 23.670 ug/l
RT: 3.87 min Scan# 339
Delta R.T. 0.01 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.3	23.7	35.5
84	85.5	71.1	106.7

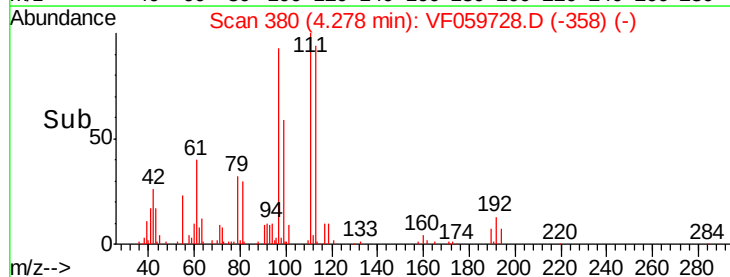
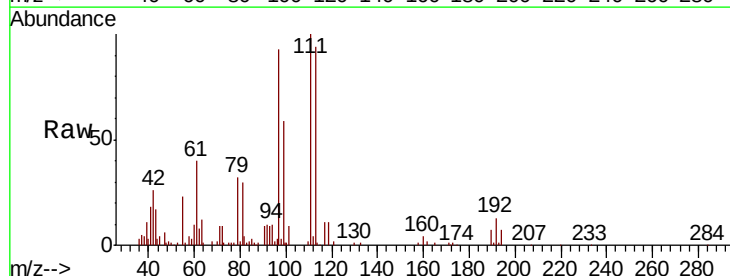
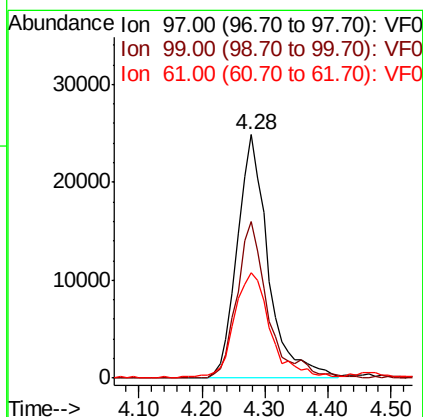
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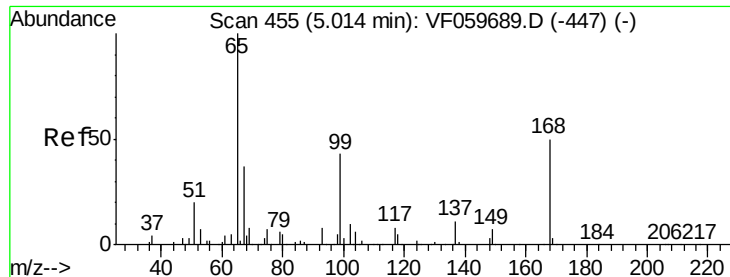
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#32
1,1,1-Trichloroethane
Concen: 25.400 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	52.4	78.6
61	43.4	39.7	59.5





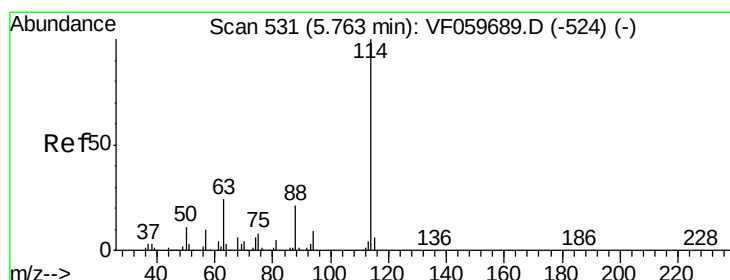
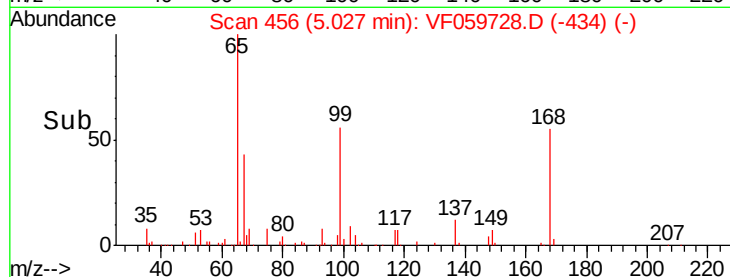
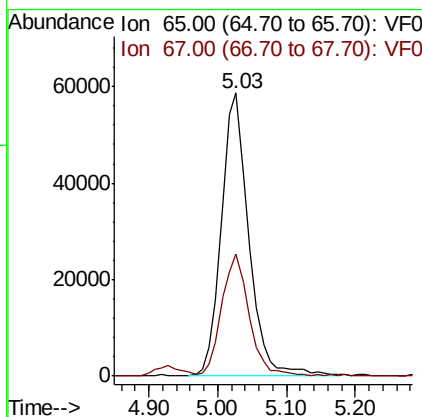
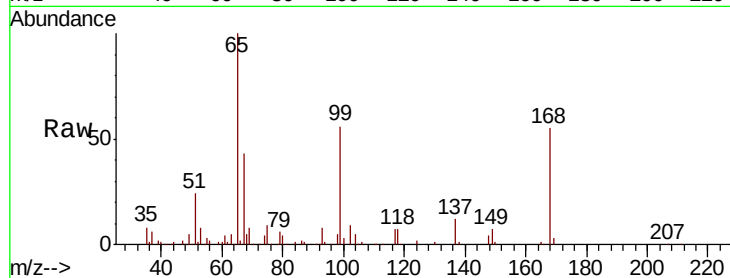
#33
 1,2-Dichloroethane-d4
 Concen: 53.779 ug/l
 RT: 5.03 min Scan# 456
 Delta R.T. 0.01 min
 Lab File: VF059728.D
 Acq: 1 Aug 2018 1:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS03

Tot Ion	Ratio	Resp	Lower	Upper
65	100	162471		
67	43.0	0.0	84.6	

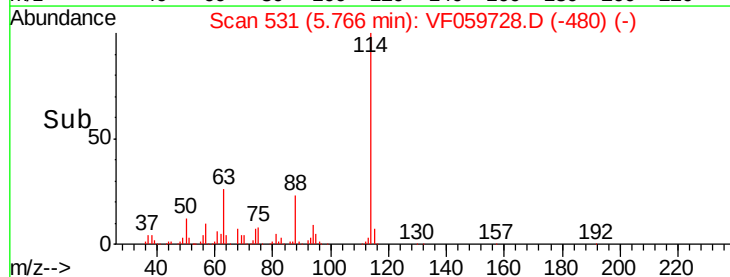
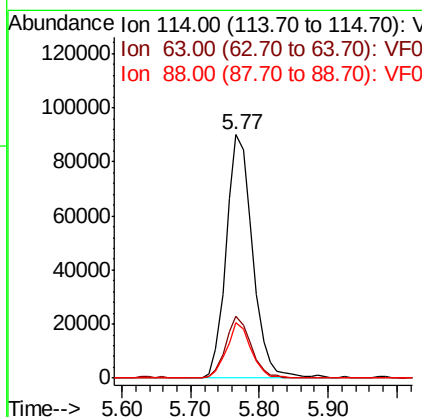
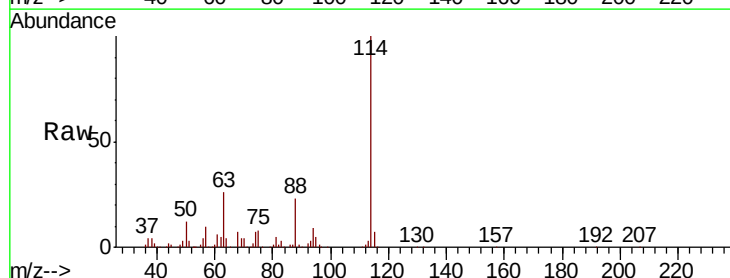
Manual Integrations
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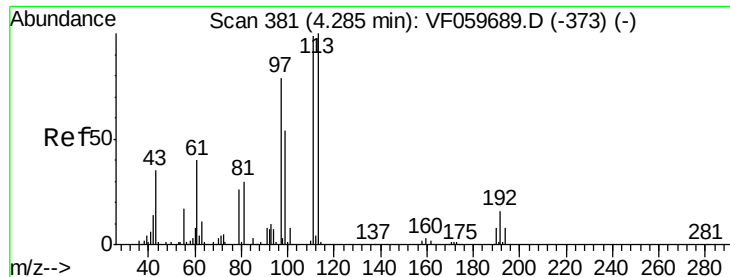
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059728.D
 Acq: 1 Aug 2018 1:49

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	239132		
63	25.6	0.0	47.4	
88	22.9	0.0	41.2	





#35

Dibromofluoromethane

Concen: 52.795 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

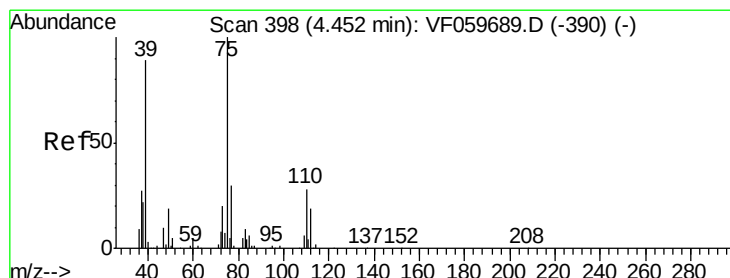
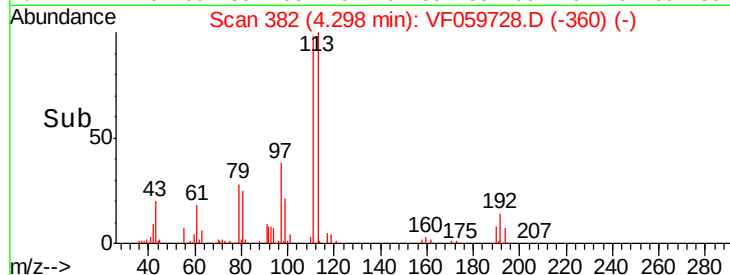
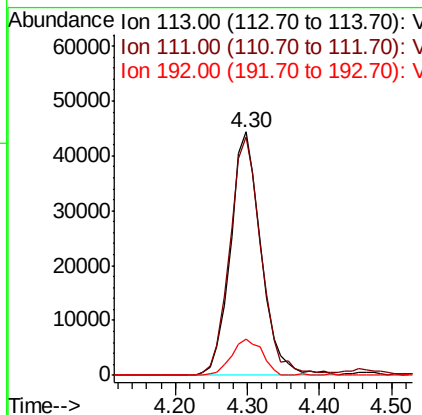
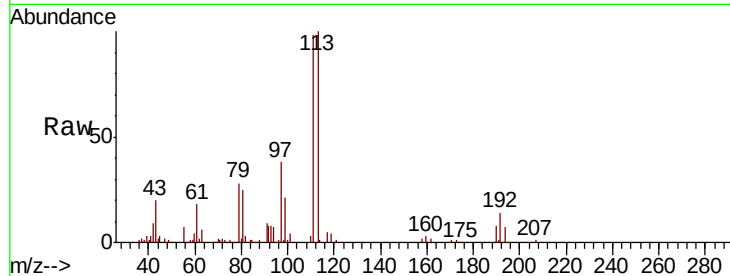
ClientSampleId :

VF0731SBS03

Tot Ion:	113	Resp:	131129
Ion Ratio	Lower	Upper	
113	100		
111	97.9	79.0	118.4
192	14.7	13.2	19.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.656 ug/l

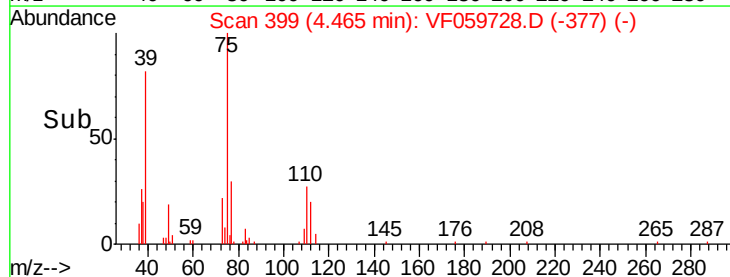
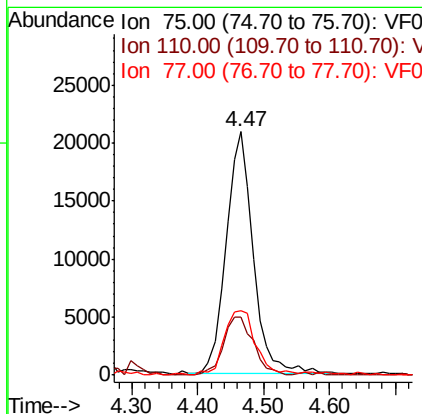
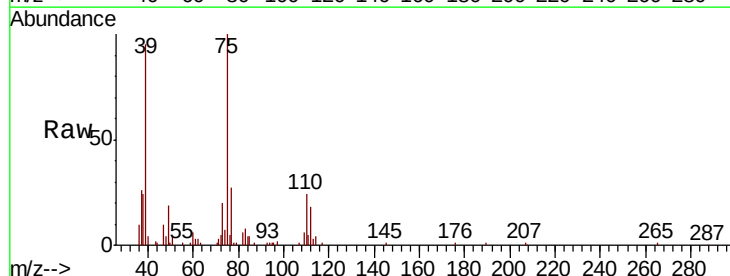
RT: 4.47 min Scan# 399

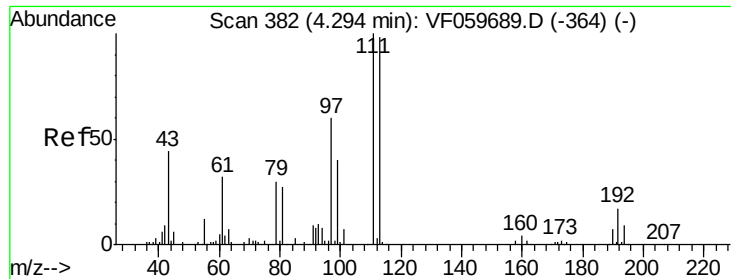
Delta R.T. 0.01 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Tgt Ion:	75	Resp:	60080
Ion Ratio	Lower	Upper	
75	100		
110	23.6	14.0	41.9
77	26.5	24.2	36.2





#37

Ethyl Acetate

Concen: 25.000 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

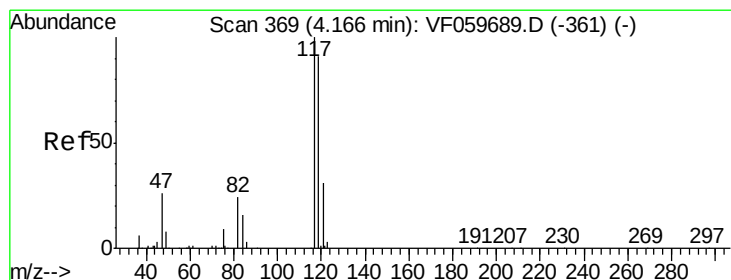
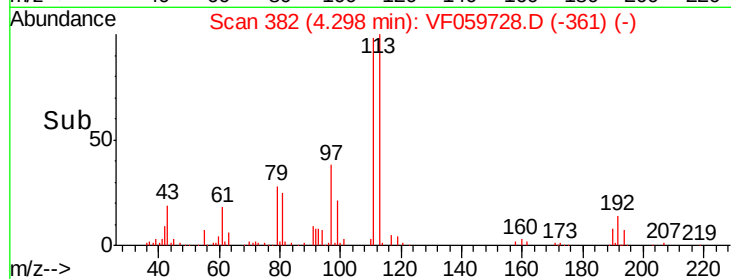
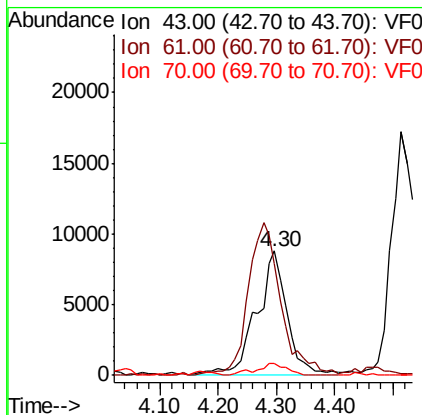
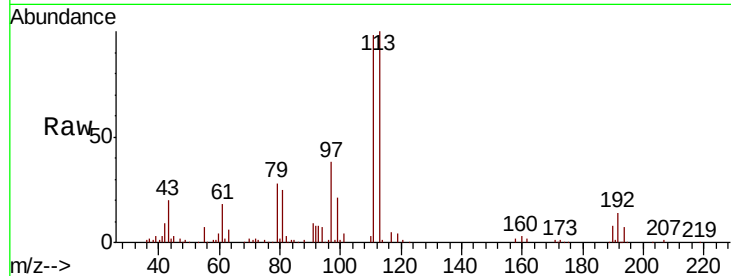
ClientSampleId :

VF0731SBS03

Tot Ion:	43	Resp:	32600
Ion Ratio	Lower	Upper	
43	100		
61	90.0	58.2	87.2#
70	9.9	6.0	9.0#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 24.877 ug/l m

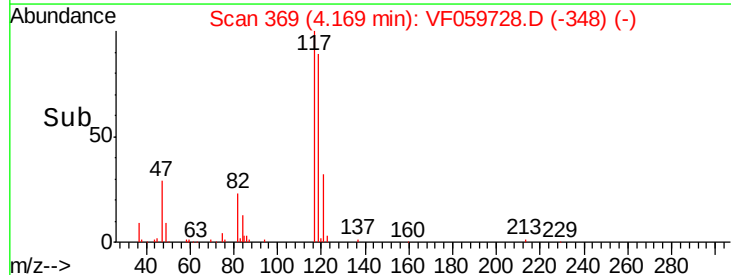
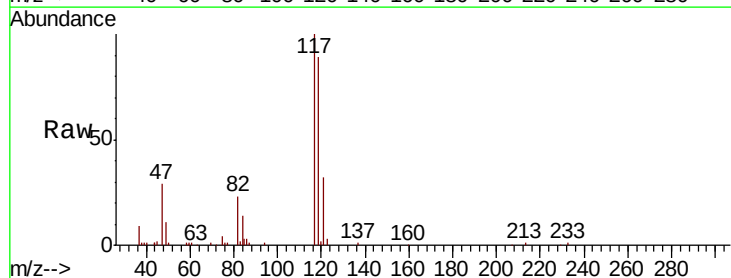
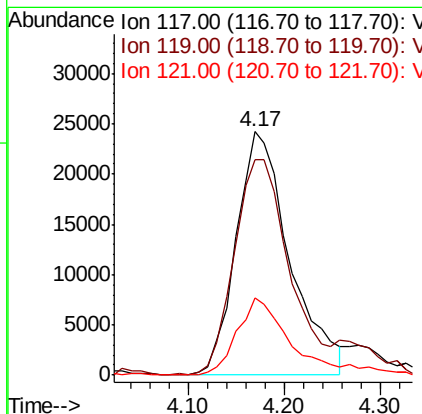
RT: 4.17 min Scan# 369

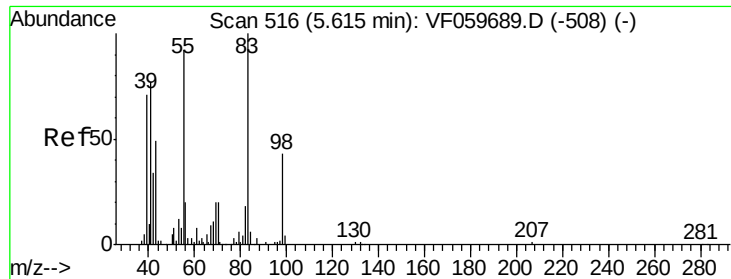
Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Tgt Ion:	117	Resp:	94583
Ion Ratio	Lower	Upper	
117	100		
119	88.6	72.9	109.3
121	31.7	25.0	37.4





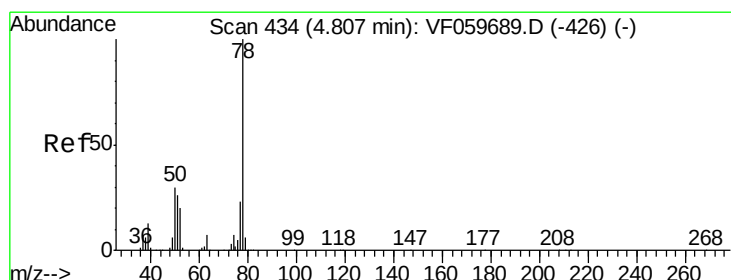
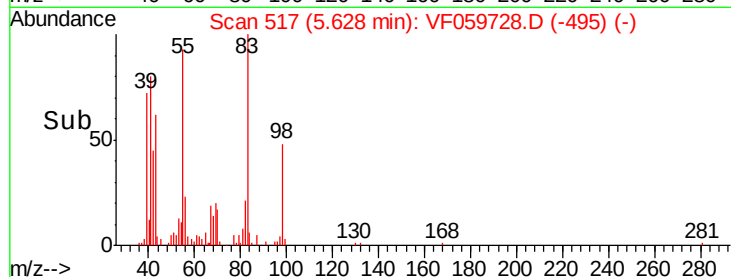
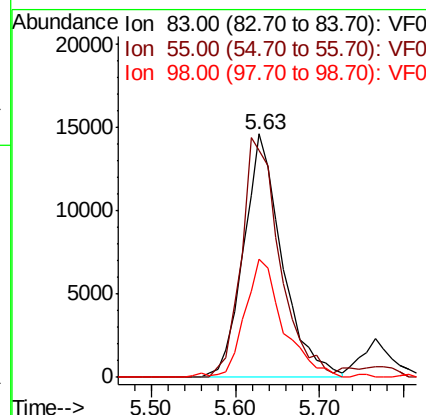
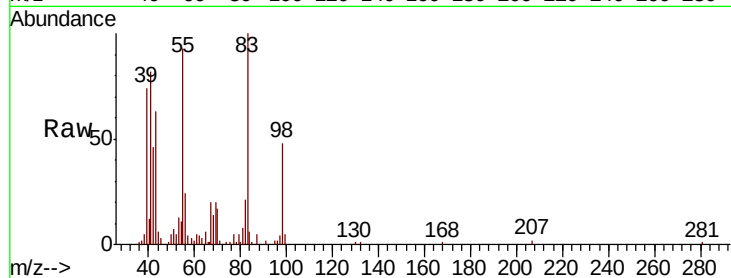
#39
Methylvlcyclohexane
Concen: 22.821 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.3	73.4	110.2
98	48.3	34.2	51.4

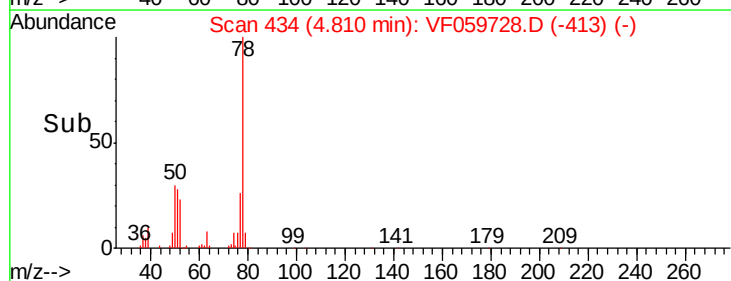
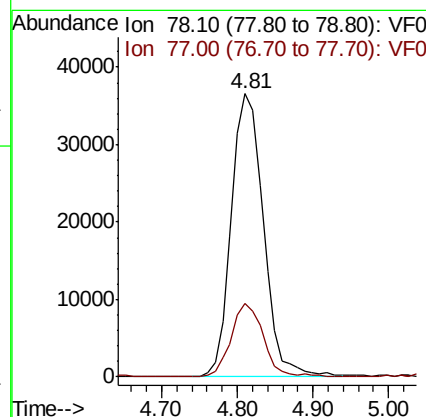
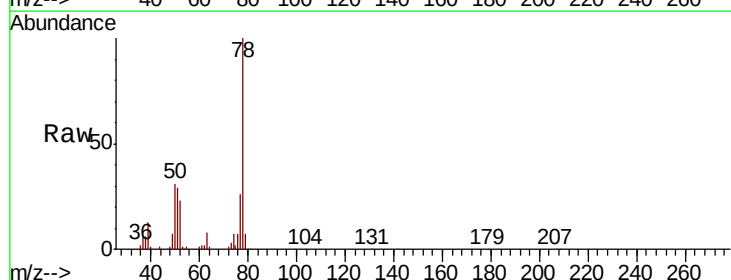
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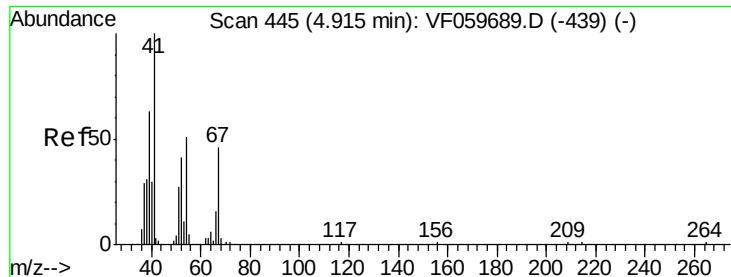
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#40
Benzene
Concen: 22.311 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.0	18.9	28.3





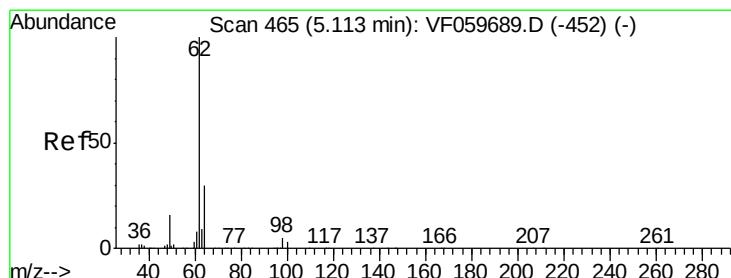
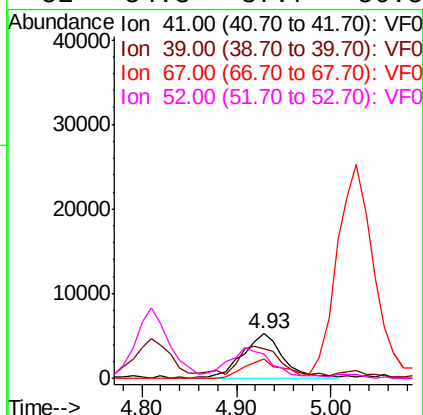
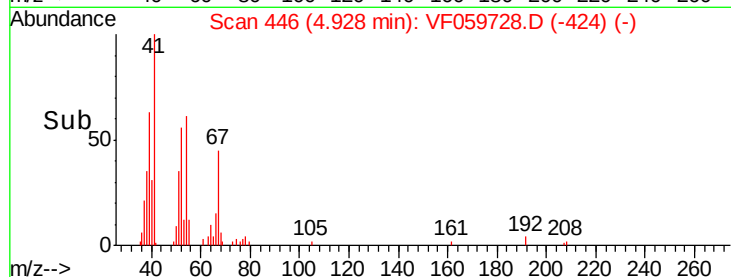
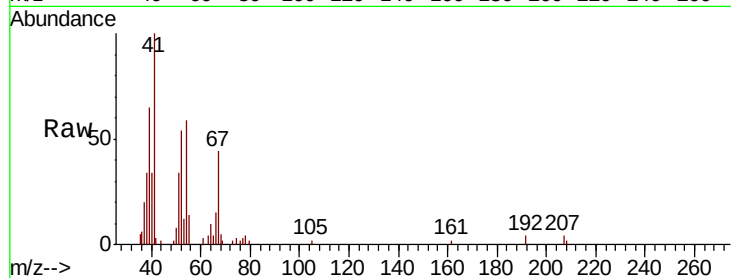
#41
Methacrylonitrile
Concen: 24.777 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.01 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ratio	Lower	Upper
41	100		
39	65.1	55.2	82.8
67	43.5	36.2	54.2
52	54.3	37.7	56.5

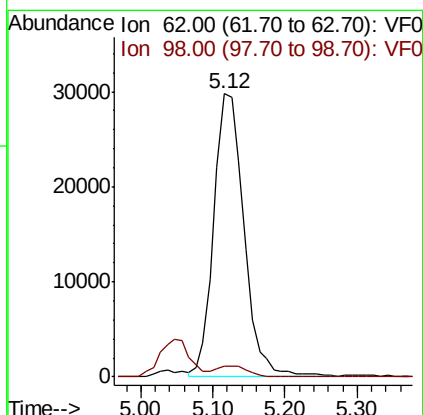
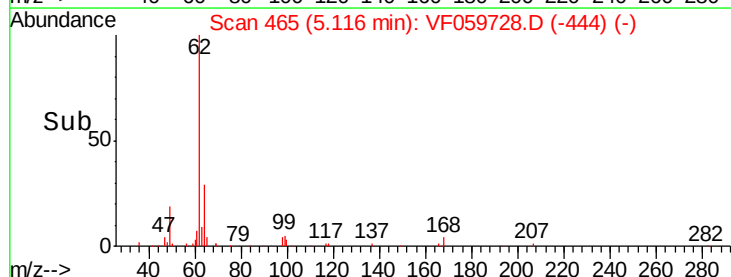
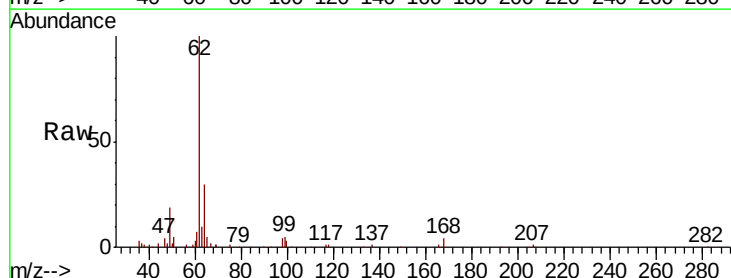
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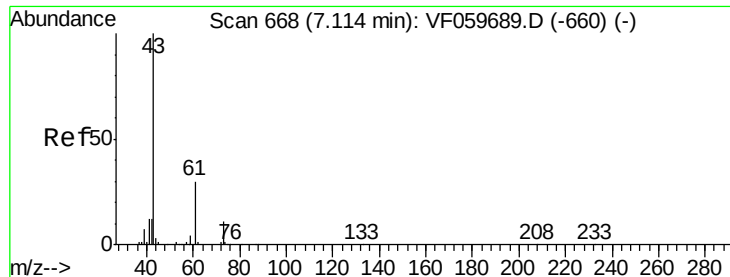
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#42
1,2-Dichloroethane
Concen: 25.627 ug/l
RT: 5.12 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.9	0.0	9.6





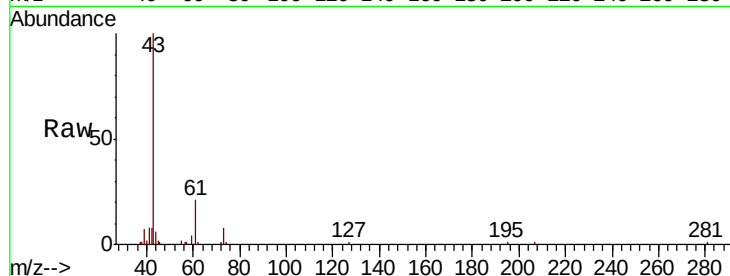
#43
Isopropyl Acetate
Concen: 22.322 ug/l
RT: 7.12 min Scan# 668
Delta R.T. 0.00 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

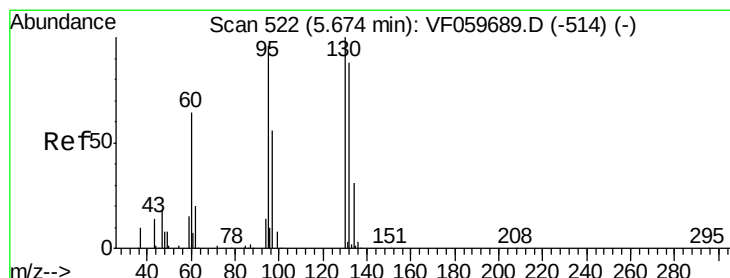
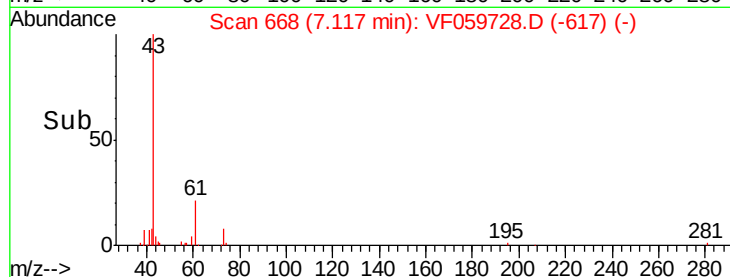
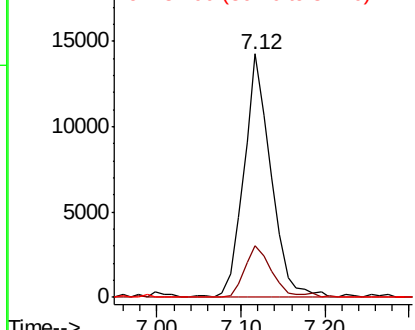
Tot Ion	Ratio	Lower	Upper
43	100		
61	21.1	23.8	35.8#
87	0.0	0.6	1.0#

Manual Integrations
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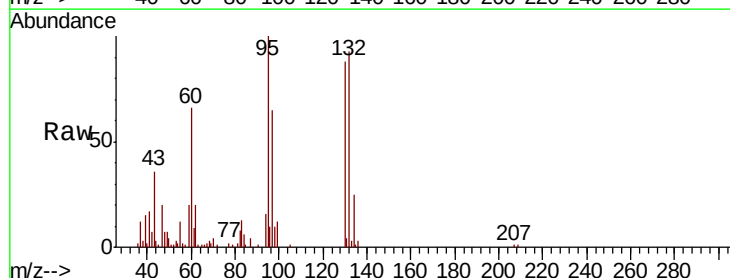


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 87.00 (86.70 to 87.70): VF0

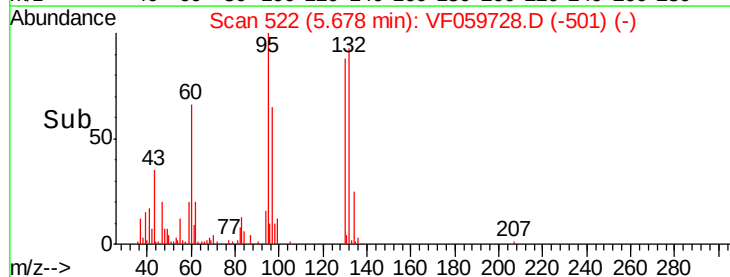
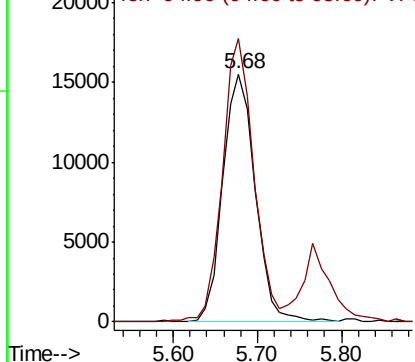


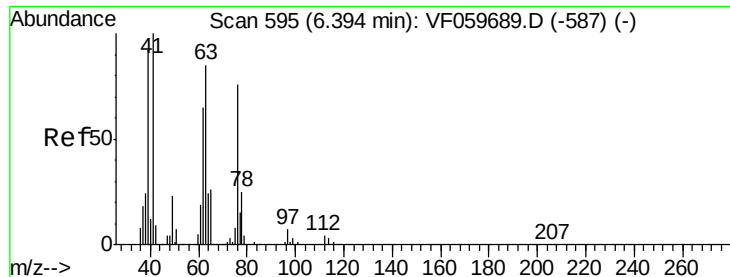
#44
Trichloroethene
Concen: 22.968 ug/l
RT: 5.68 min Scan# 522
Delta R.T. 0.00 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	114.3	0.0	191.0



Abundance Ion 129.90 (129.60 to 130.60): V
Ion 94.90 (94.60 to 95.60): VF0





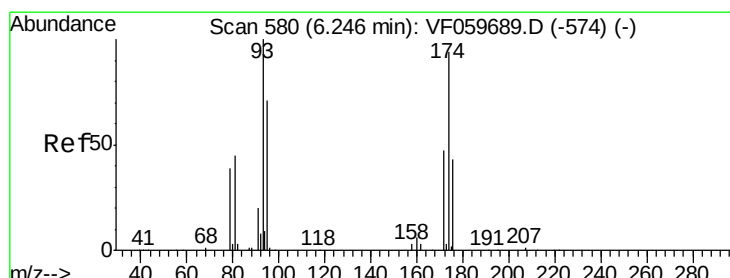
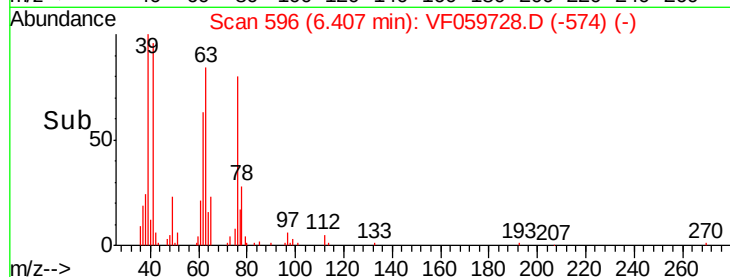
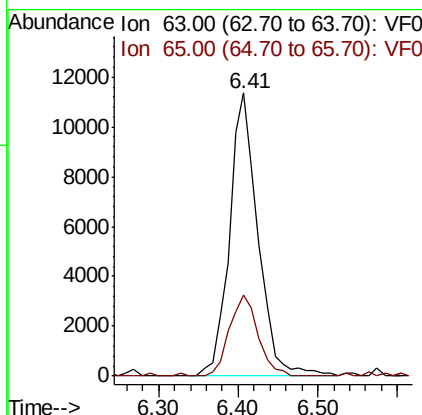
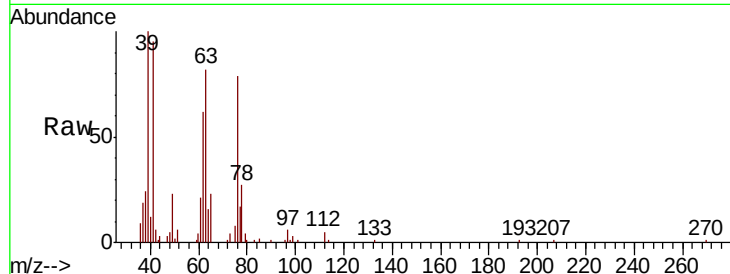
#45
 1,2-Dichloropropane
 Concen: 22.184 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: VF059728.D
 Acq: 1 Aug 2018 1:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBSD03

Tot Ion: 63 Resp: 28292
 Ion Ratio Lower Upper
 63 100
 65 28.5 25.2 37.8

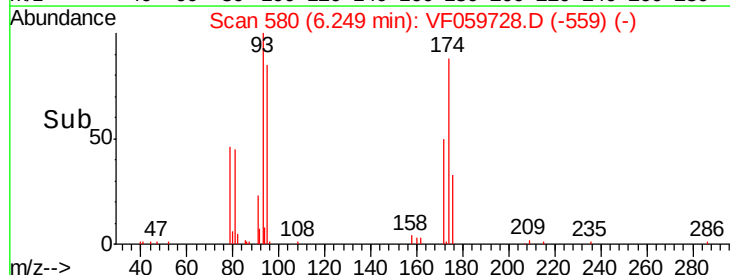
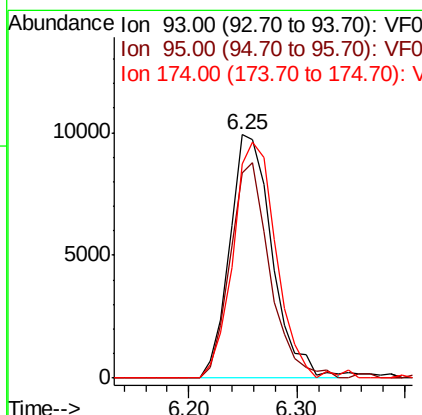
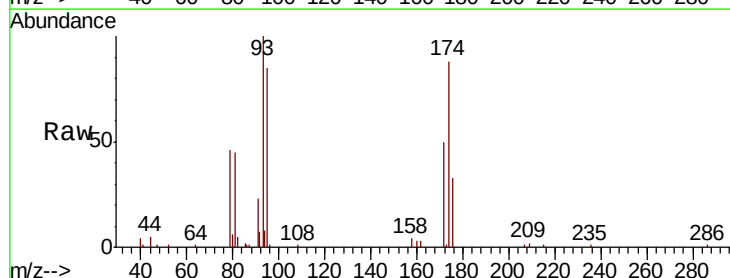
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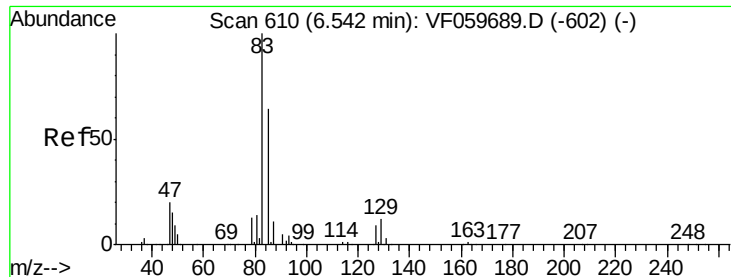
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#46
 Dibromomethane
 Concen: 22.383 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VF059728.D
 Acq: 1 Aug 2018 1:49

Tgt Ion: 93 Resp: 27102
 Ion Ratio Lower Upper
 93 100
 95 84.5 57.1 85.7
 174 87.9 74.8 112.2





#47

Bromodichloromethane

Concen: 23.847 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

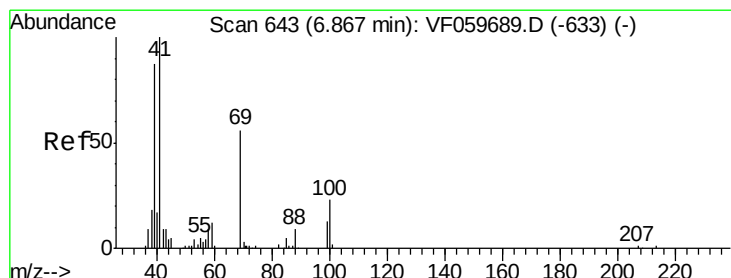
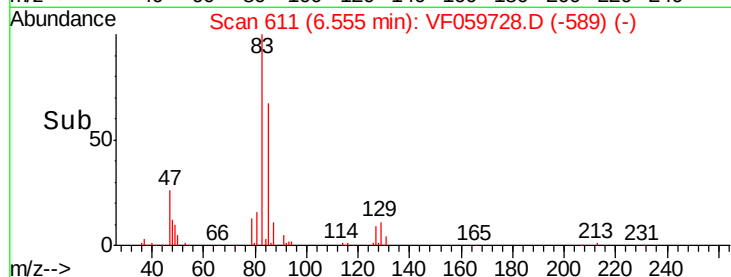
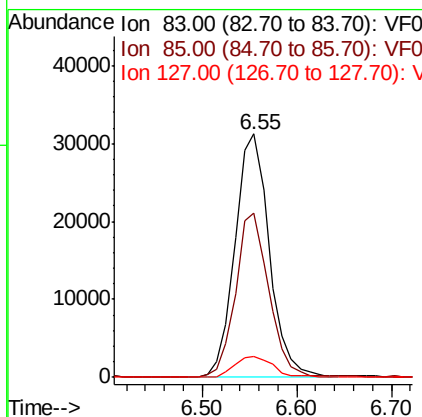
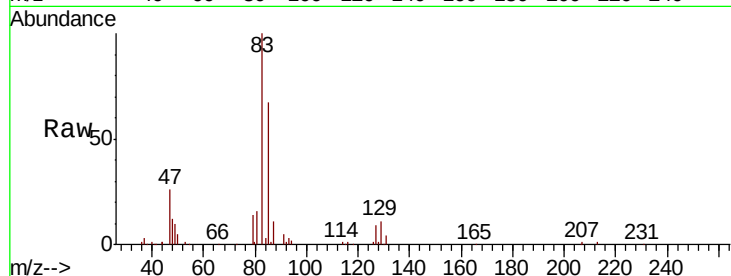
ClientSampleId :

VF0731SBS03

Tot Ion:	83	Resp:	78629
Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.0	76.6
127	8.8	7.3	10.9

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#48

Methyl methacrylate

Concen: 22.178 ug/l

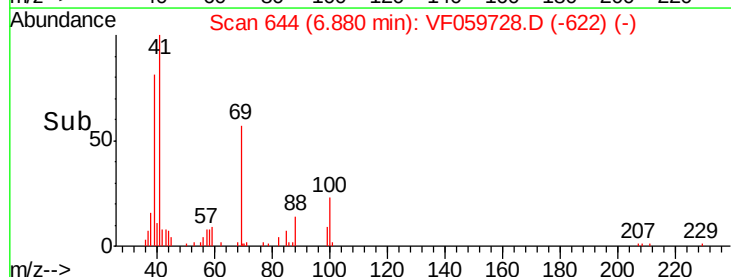
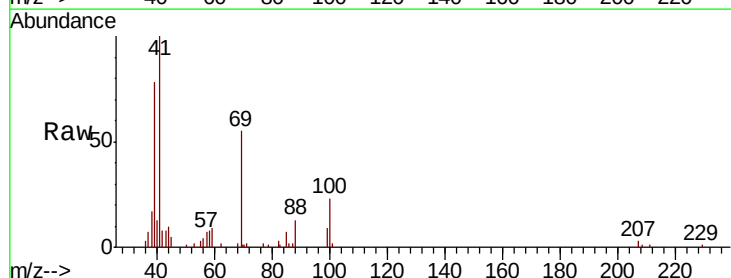
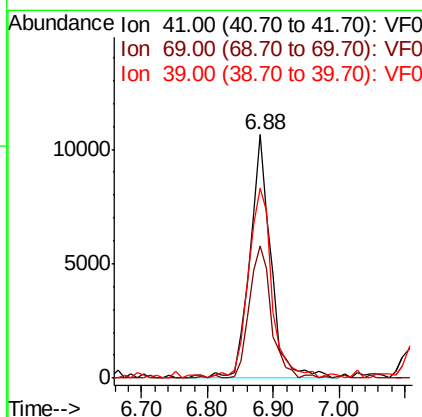
RT: 6.88 min Scan# 644

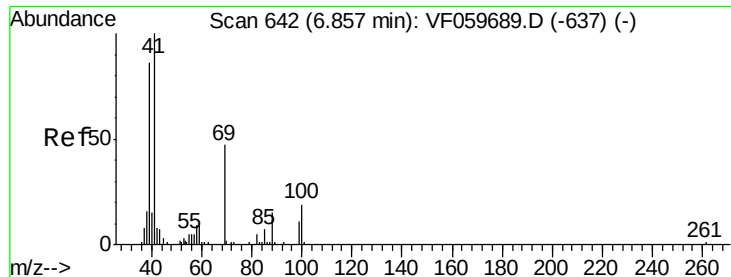
Delta R.T. 0.01 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Tgt Ion:	41	Resp:	23853
Ion	Ratio	Lower	Upper
41	100		
69	54.5	44.4	66.6
39	78.1	69.4	104.2





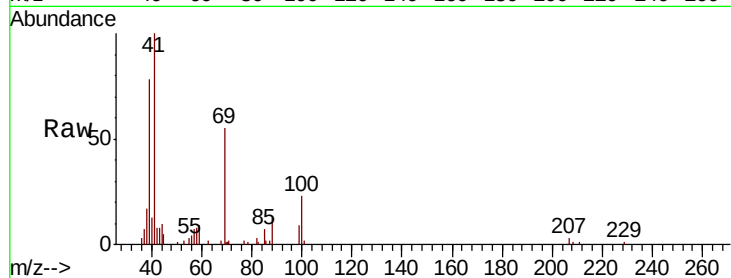
#49
1,4-Dioxane
Concen: 396.674 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.02 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

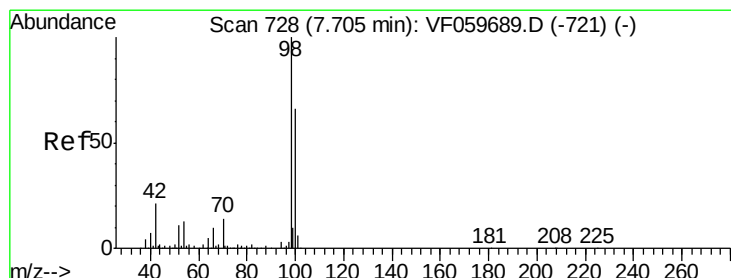
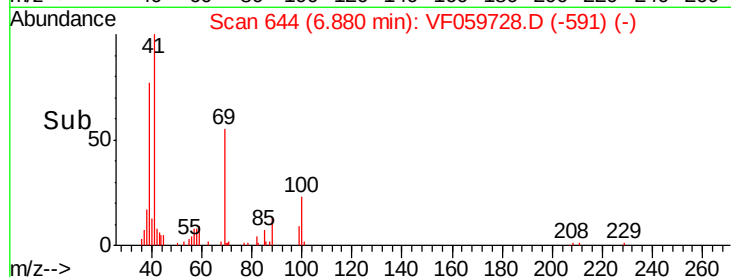
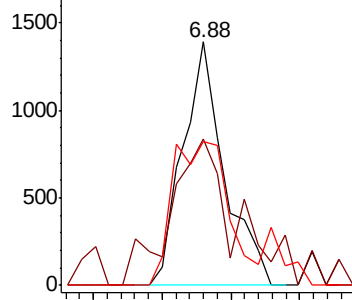
Tot Ion	Ratio	Lower	Upper
88	100		
43	60.3	45.2	67.8
58	59.2	49.0	73.6

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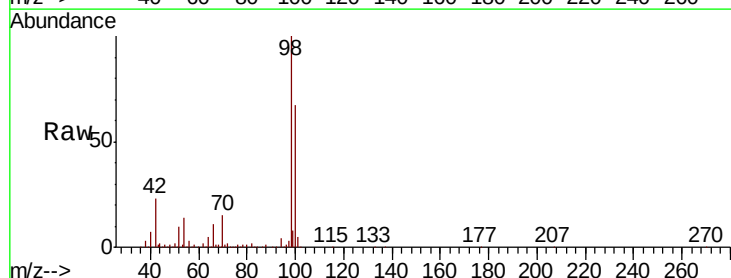


Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

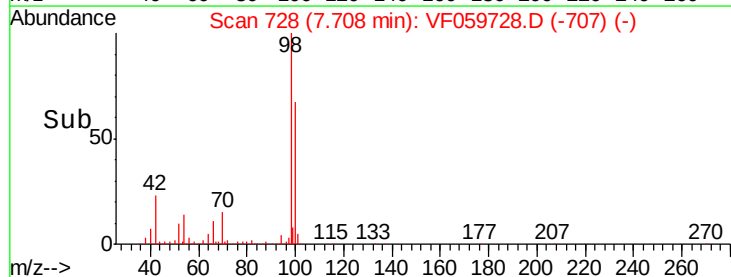
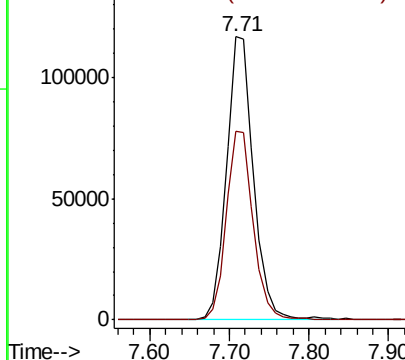


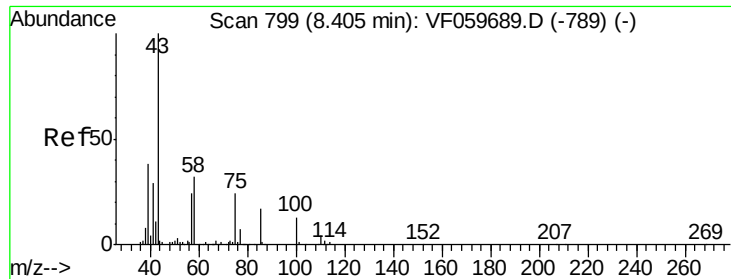
#50
Toluene-d8
Concen: 48.075 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	52.8	79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 117.617 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion: 43 Resp: 127935

Ion Ratio Lower Upper

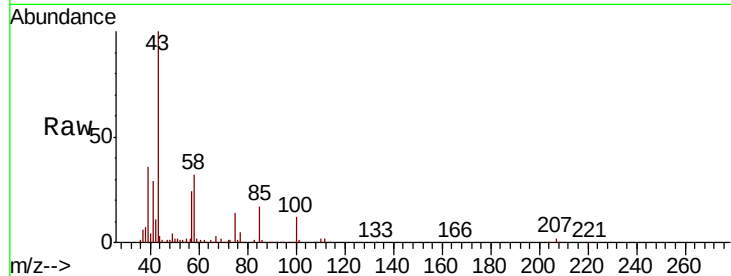
43 100

58 31.5 25.9 38.9

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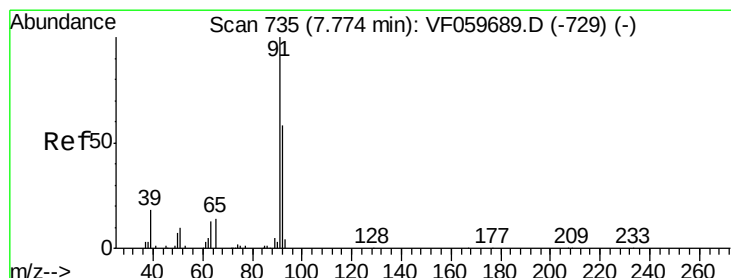
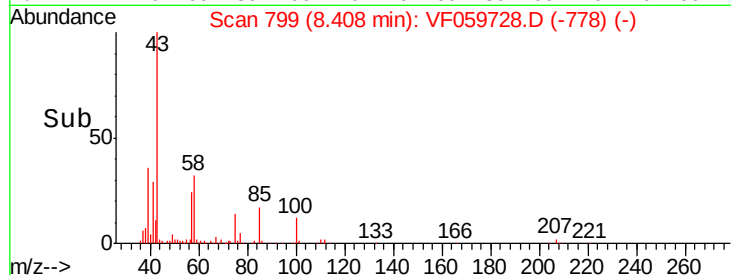
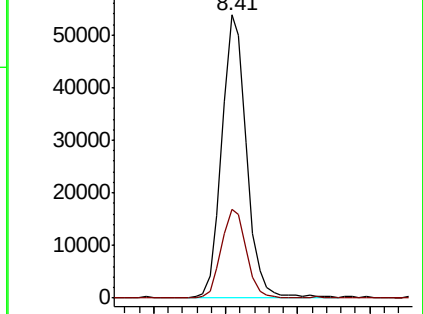
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.638 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059728.D

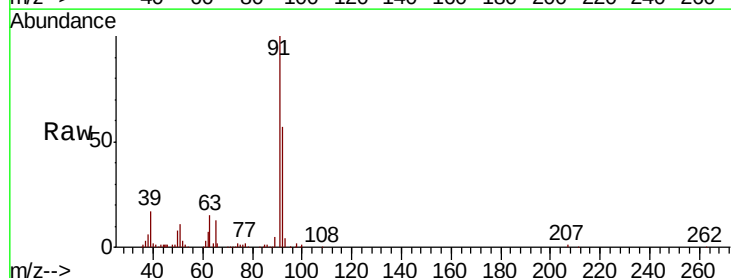
Acq: 1 Aug 2018 1:49

Tgt Ion: 92 Resp: 74377

Ion Ratio Lower Upper

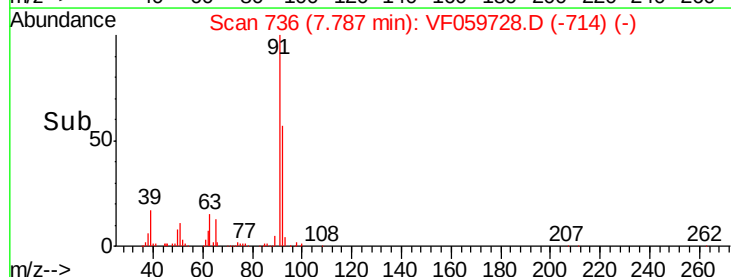
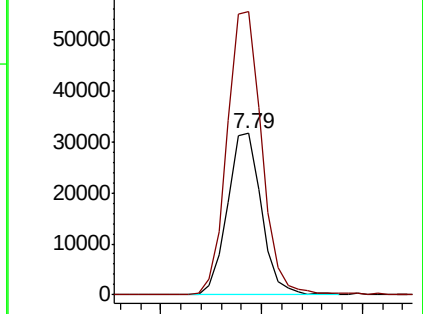
92 100

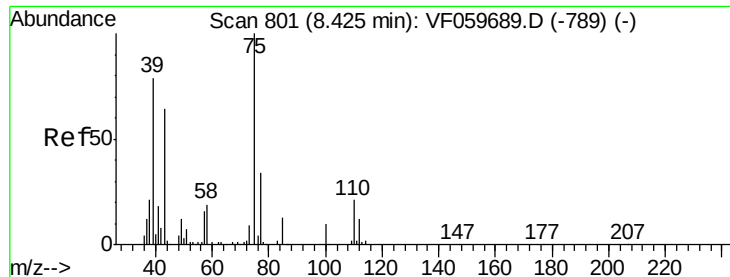
91 175.3 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 22.314 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBSD03

Tot Ion: 75 Resp: 63840

Ion Ratio Lower Upper

75 100

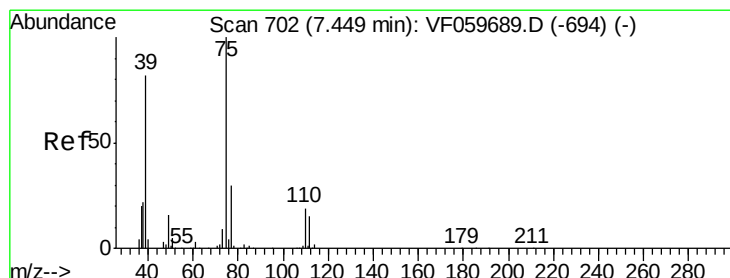
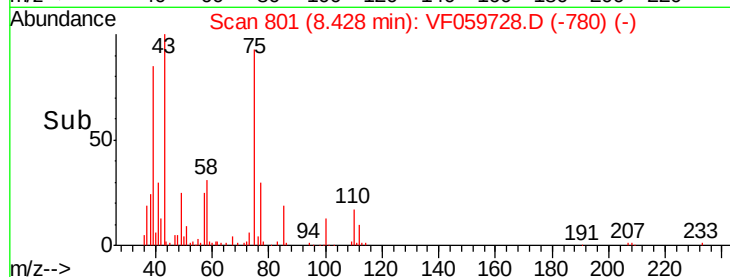
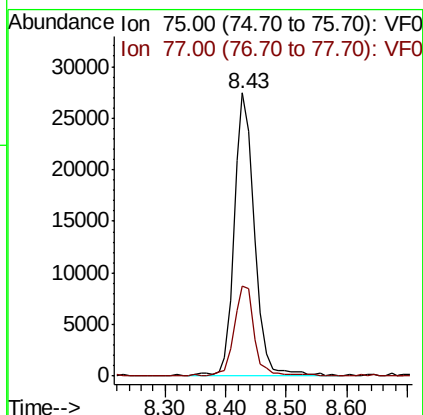
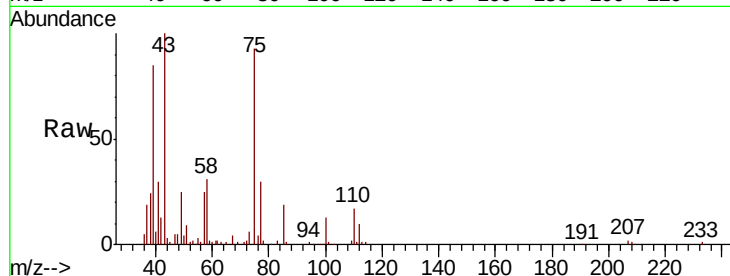
77 31.7 27.0 40.4

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#54

cis-1,3-Dichloropropene

Concen: 22.009 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

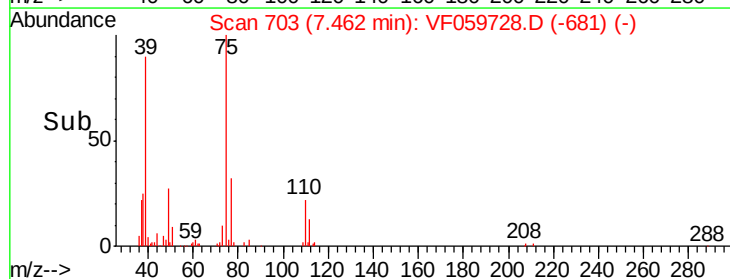
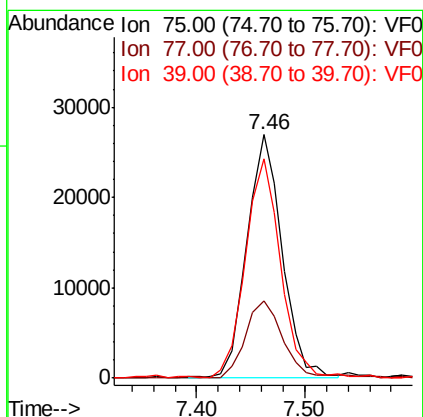
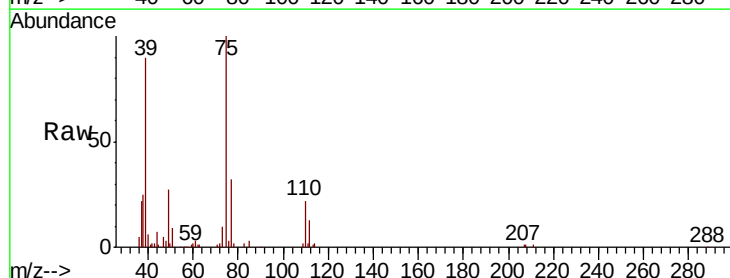
Tgt Ion: 75 Resp: 60992

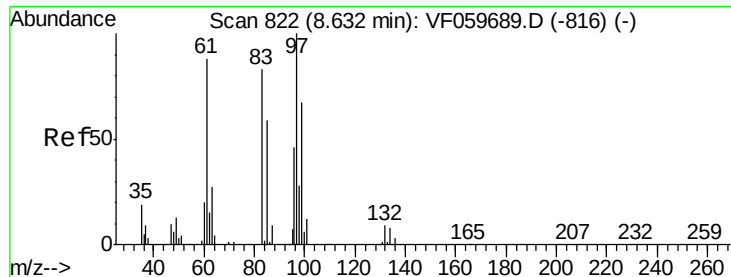
Ion Ratio Lower Upper

75 100

77 31.7 24.0 36.0

39 90.0 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 24.858 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

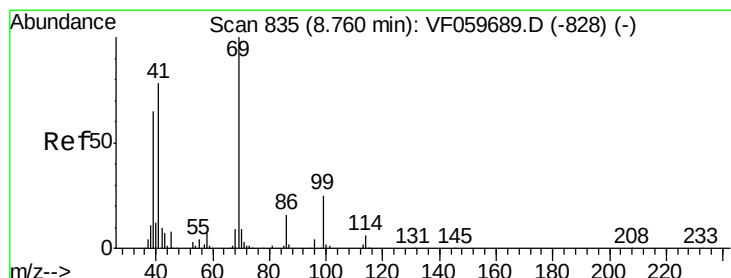
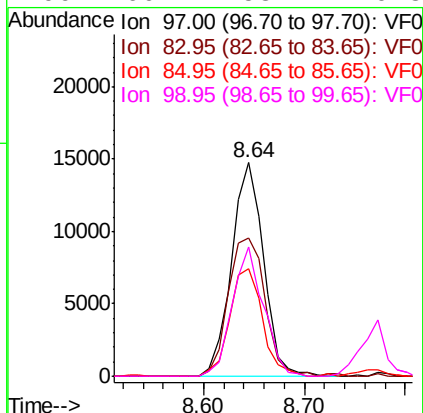
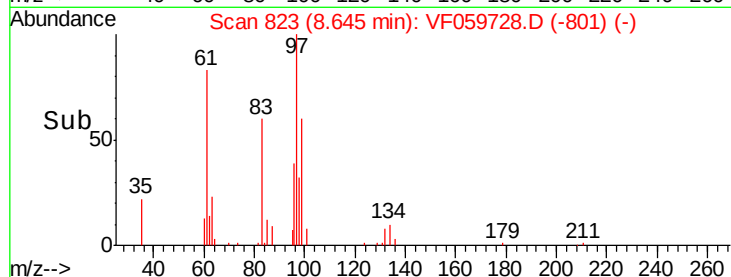
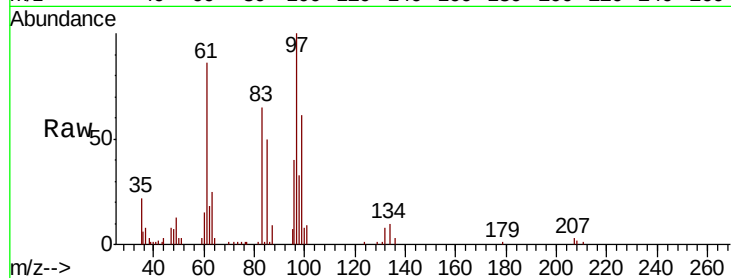
ClientSampleId :

VF0731SBS03

Tot Ion:	97	Resp:	32512
Ion	Ratio	Lower	Upper
97	100		
83	64.9	66.6	100.0#
85	50.2	47.4	71.0
99	60.7	53.2	79.8

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#56

Ethyl methacrylate

Concen: 22.032 ug/l

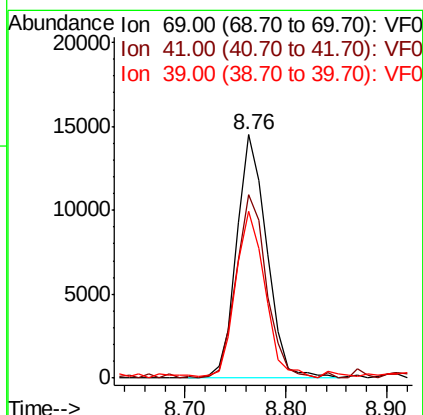
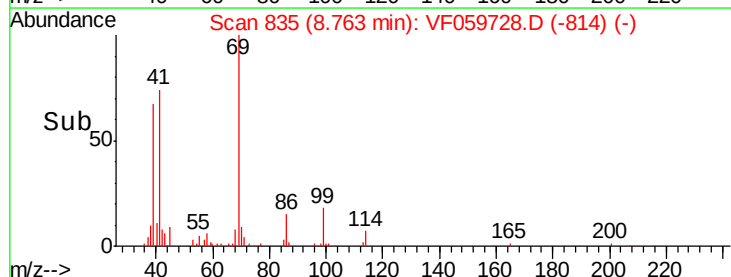
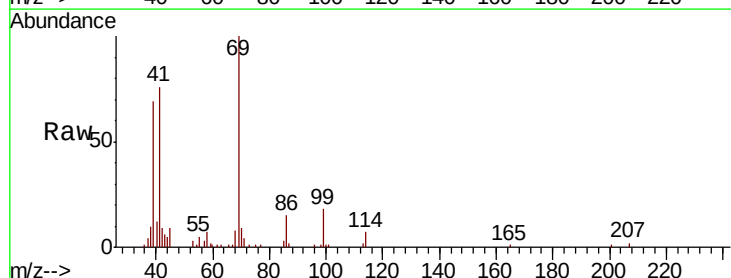
RT: 8.76 min Scan# 835

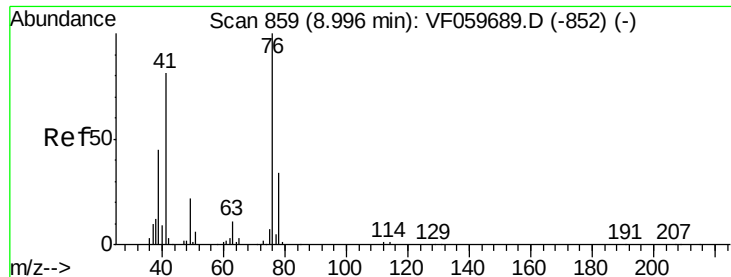
Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Tgt Ion:	69	Resp:	30051
Ion	Ratio	Lower	Upper
69	100		
41	75.5	62.3	93.5
39	68.6	52.4	78.6





#57

1,3-Dichloropropane

Concen: 23.126 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion: 76 Resp: 51890

Ion Ratio Lower Upper

76 100

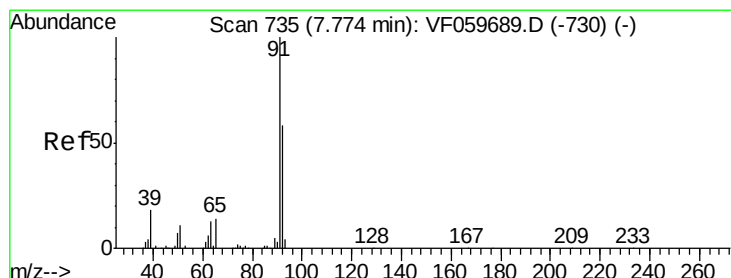
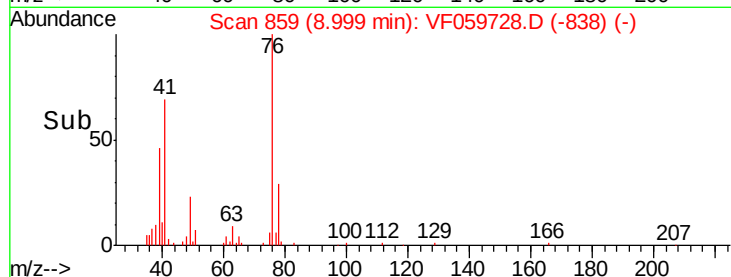
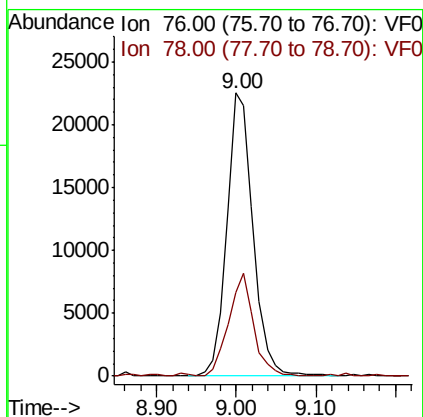
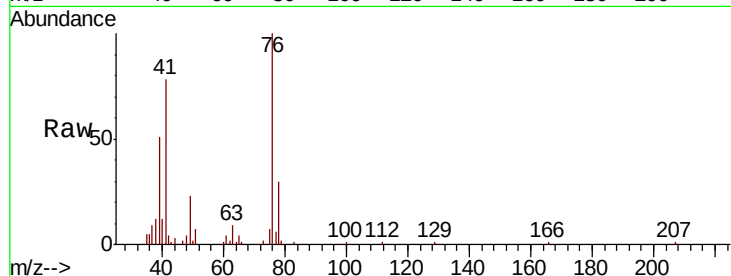
78 29.6 27.2 40.8

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#58

2-Chloroethyl Vinyl ether

Concen: 115.105 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059728.D

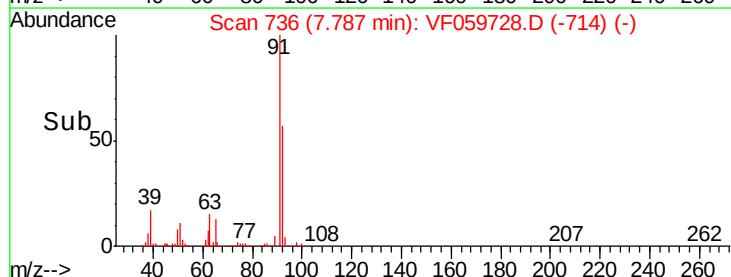
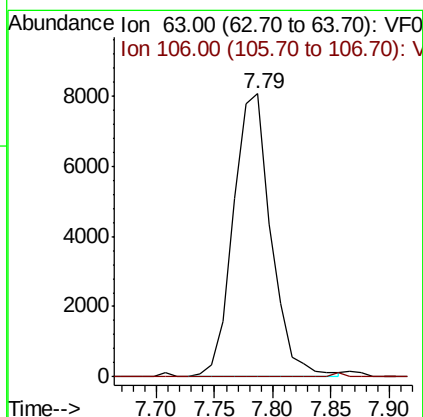
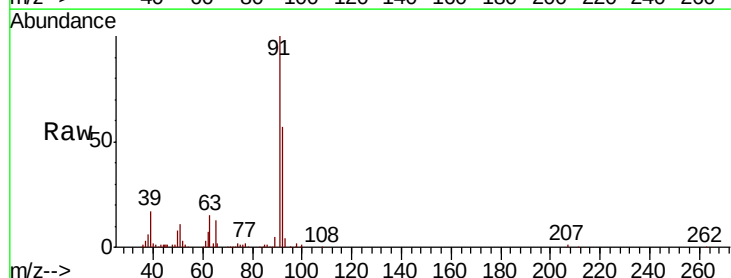
Acq: 1 Aug 2018 1:49

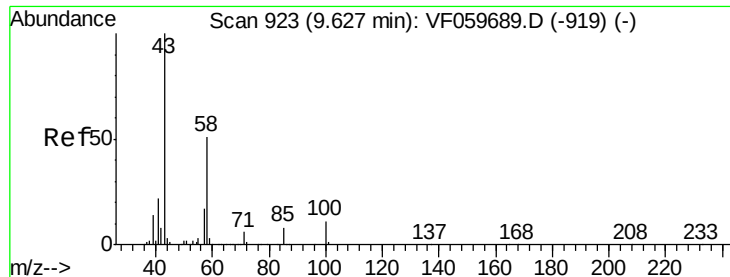
Tgt Ion: 63 Resp: 18127

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





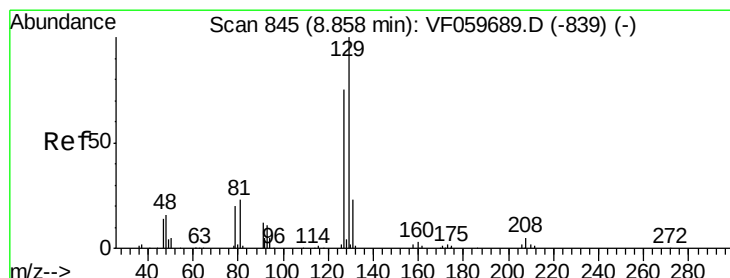
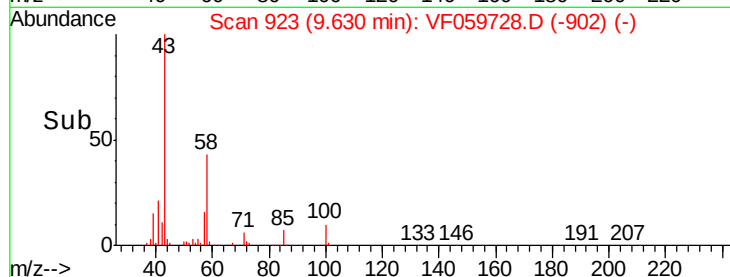
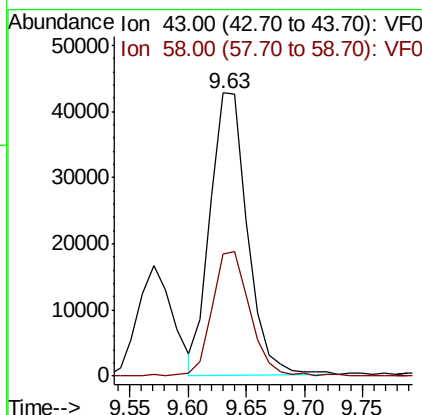
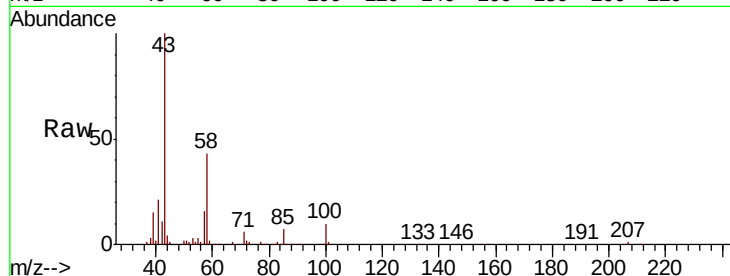
#59
2-Hexanone
Concen: 108.257 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.1	23.3	69.8

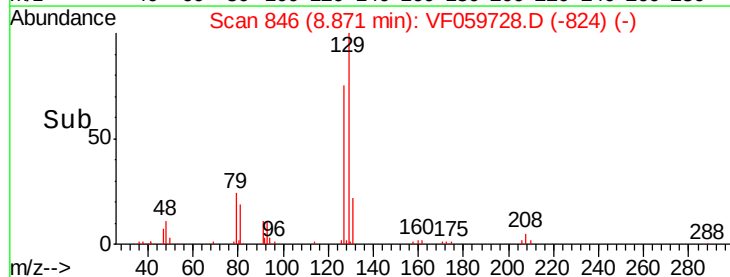
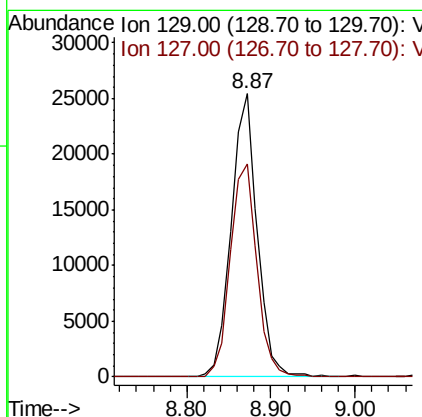
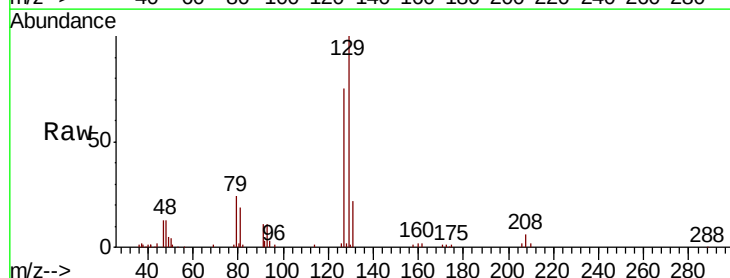
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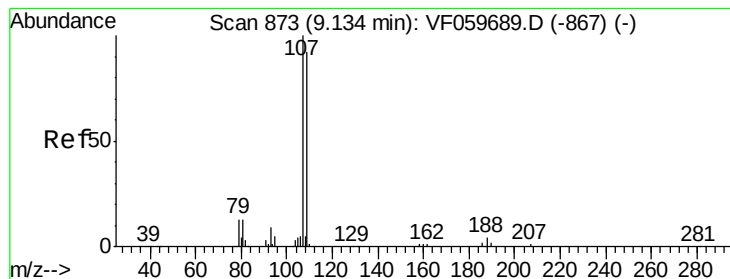
apatel
8/1/2018 4:30:02 PM



#60
Dibromochloromethane
Concen: 23.597 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.4	37.7	113.1





#61

1,2-Dibromoethane

Concen: 24.147 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion:107 Resp: 36878

Ion Ratio Lower Upper

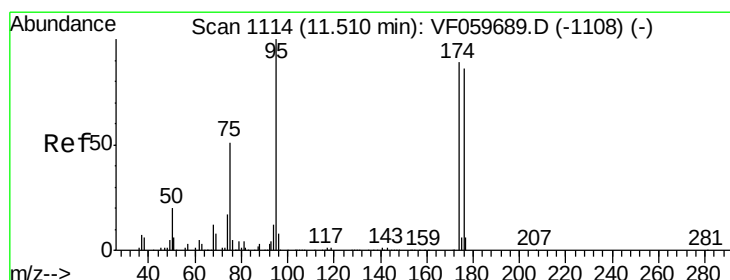
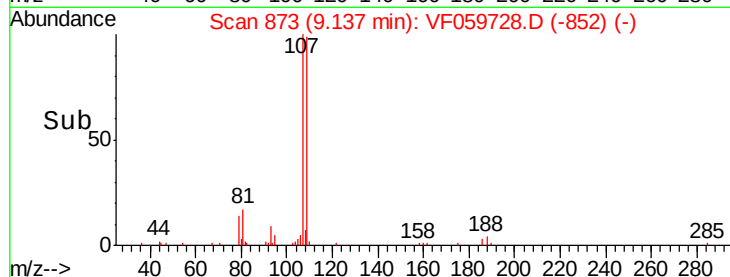
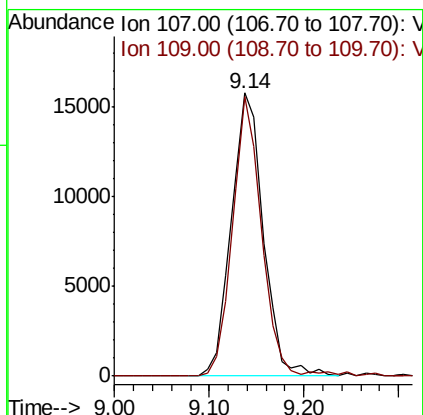
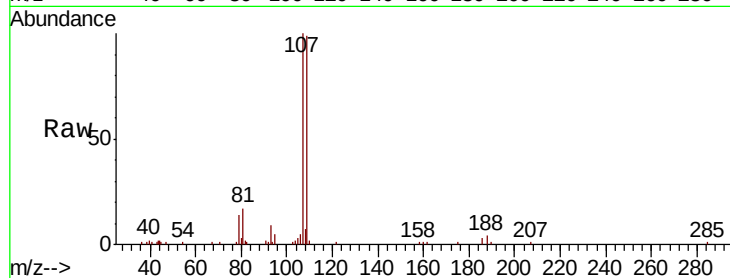
107 100

109 98.9 73.6 110.4

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 50.180 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

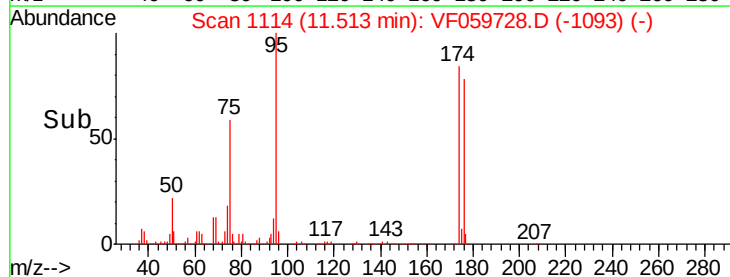
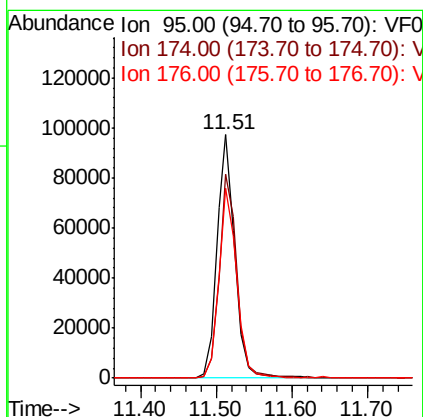
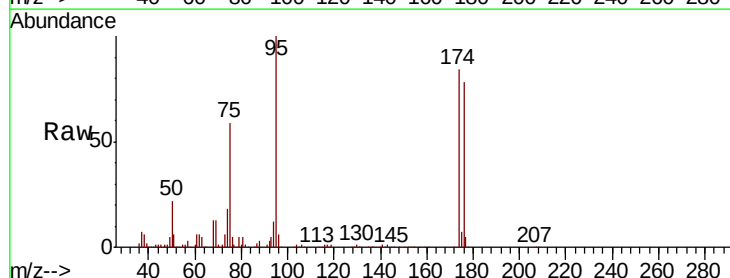
Tgt Ion: 95 Resp: 160899

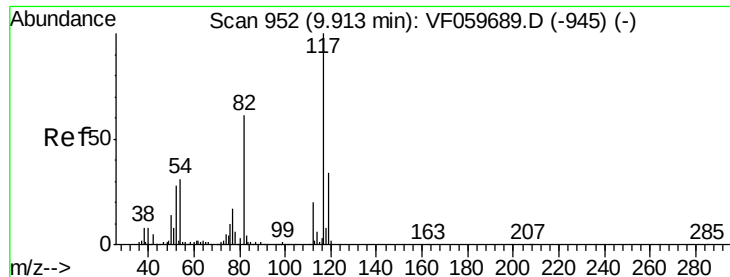
Ion Ratio Lower Upper

95 100

174 84.0 0.0 178.4

176 77.7 0.0 173.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

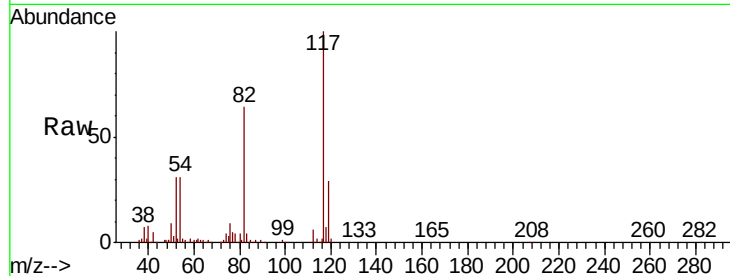
ClientSampleId :

VF0731SBSD03

Tot Ion:	117	Resp:	242448
Ion Ratio	Lower	Upper	
117	100		
82	64.3	49.0	73.4
119	29.4	27.3	40.9

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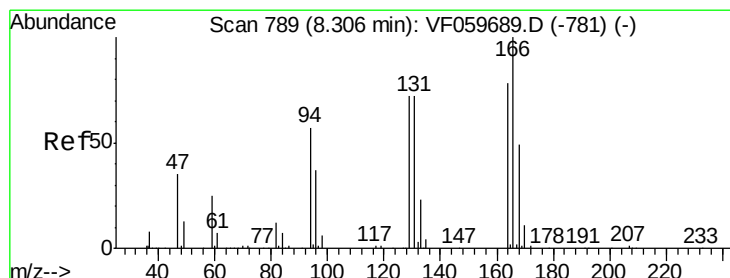
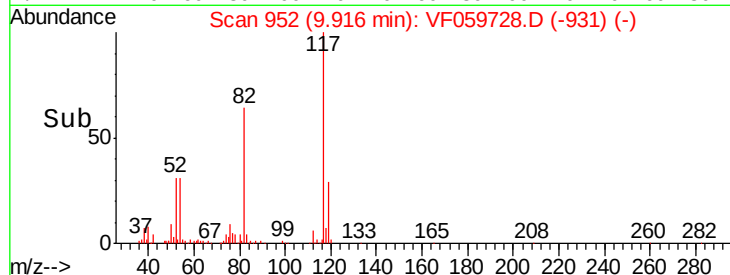
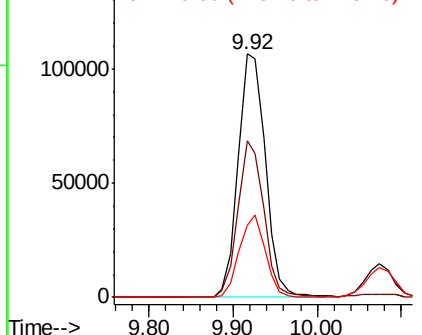
apatel
8/1/2018 4:30:02 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 24.922 ug/l

RT: 8.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

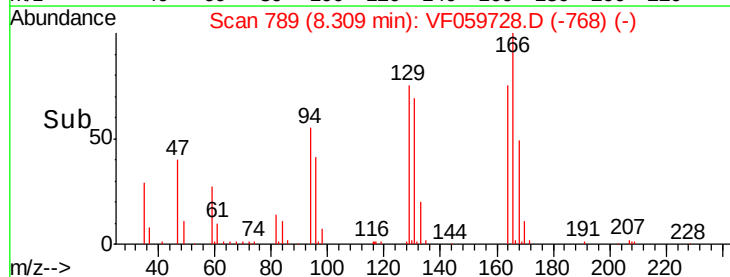
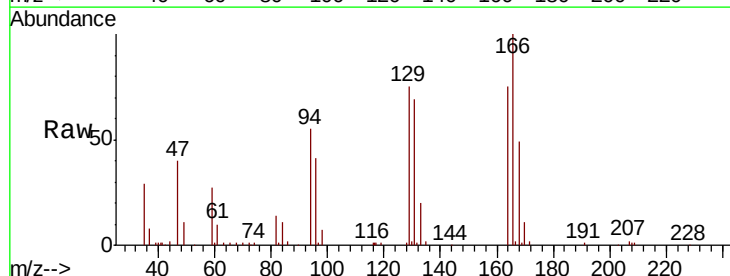
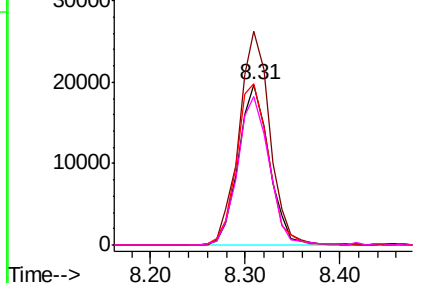
Tgt Ion:	164	Resp:	44416
Ion Ratio	Lower	Upper	
164	100		
166	133.0	102.1	153.1
129	100.1	73.8	110.6
131	92.1	73.1	109.7

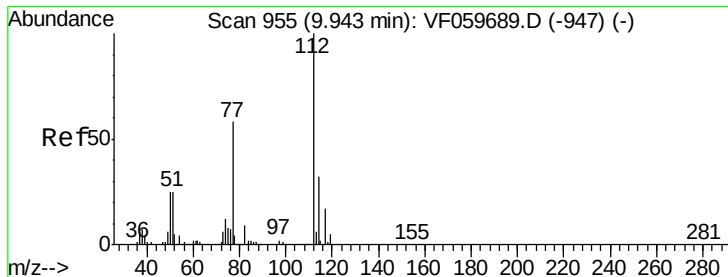
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 22.272 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion:112 Resp: 108020

Ion Ratio Lower Upper

112 100

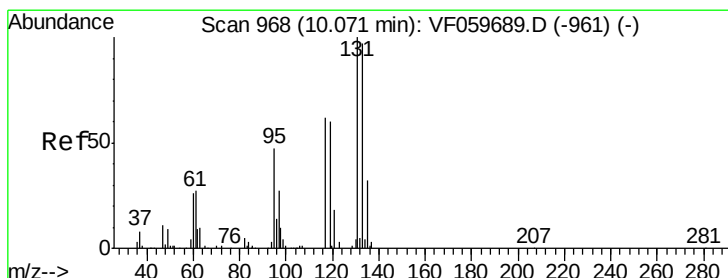
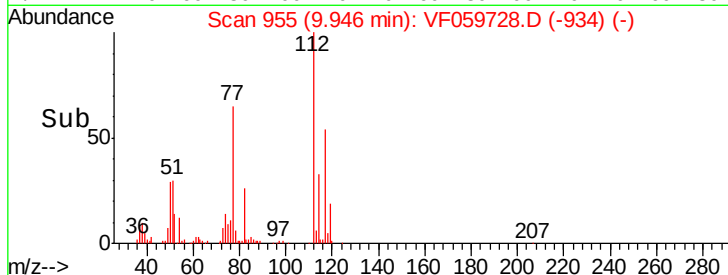
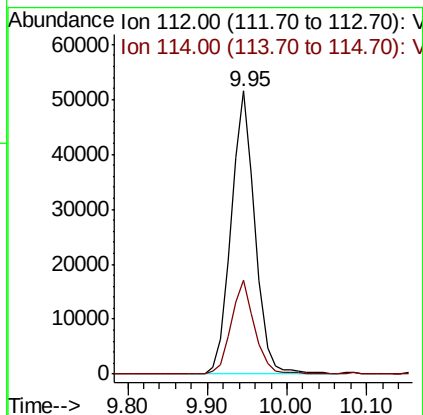
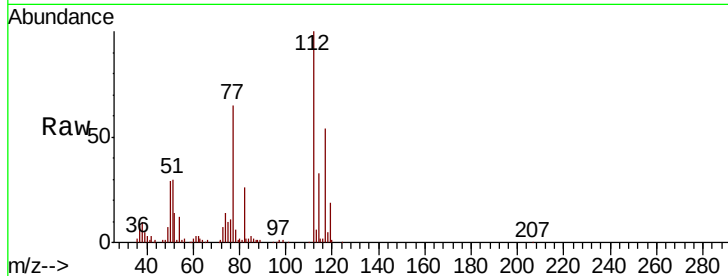
114 33.0 25.6 38.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 23.499 ug/l

RT: 10.08 min Scan# 969

Delta R.T. 0.01 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

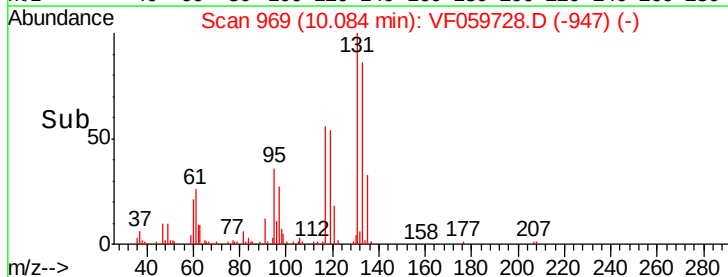
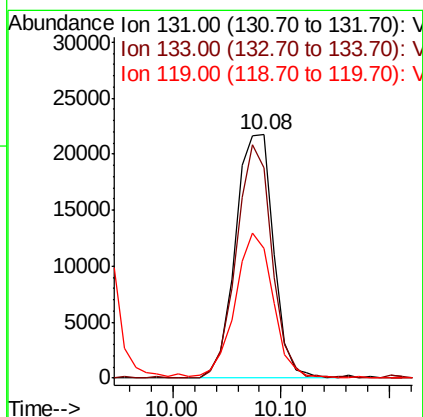
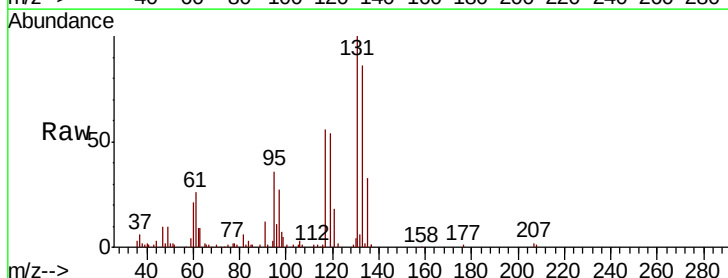
Tgt Ion:131 Resp: 53208

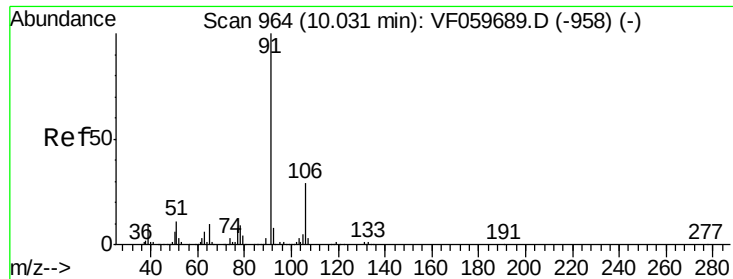
Ion Ratio Lower Upper

131 100

133 86.4 48.5 145.5

119 53.5 30.3 90.8





#67

Ethyl Benzene

Concen: 23.041 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion: 91 Resp: 193343

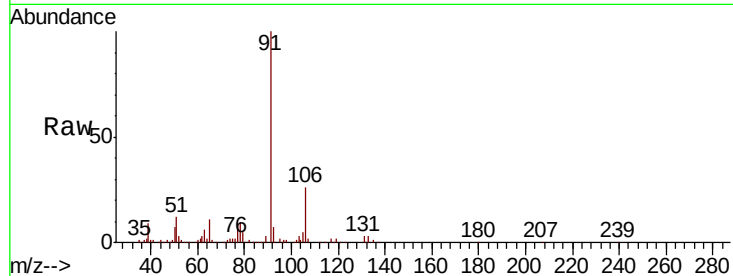
Ion Ratio Lower Upper

91 100

106 26.2 22.9 34.3

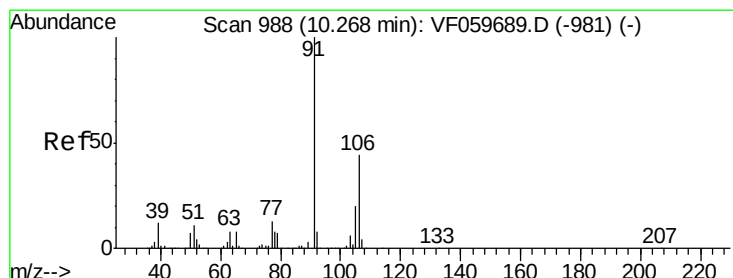
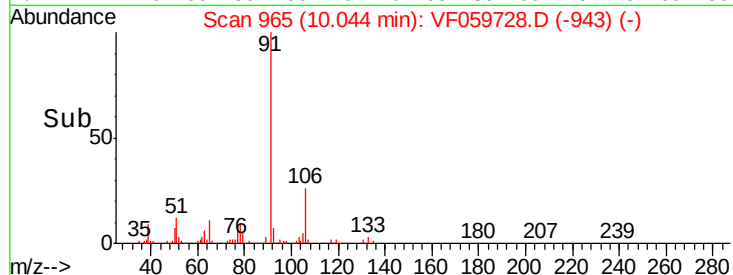
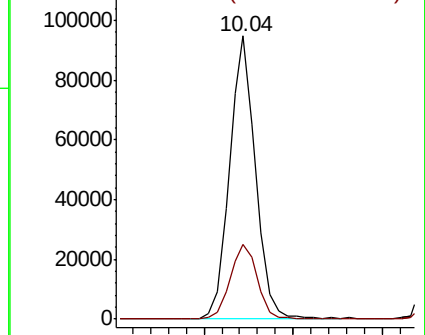
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 46.340 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF059728.D

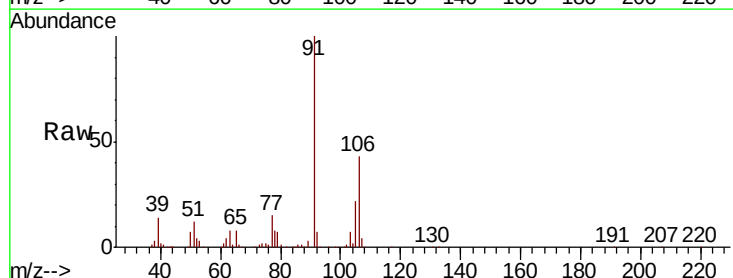
Acq: 1 Aug 2018 1:49

Tgt Ion: 106 Resp: 132588

Ion Ratio Lower Upper

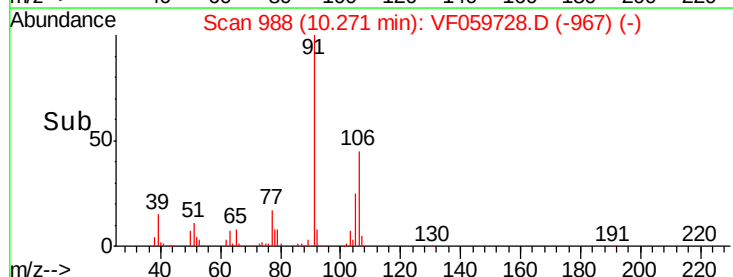
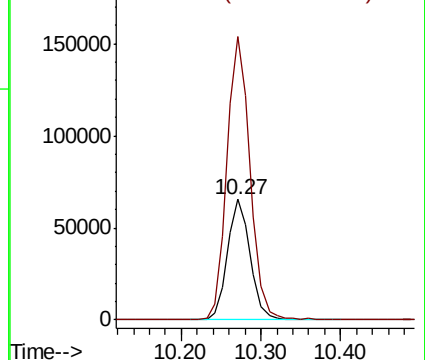
106 100

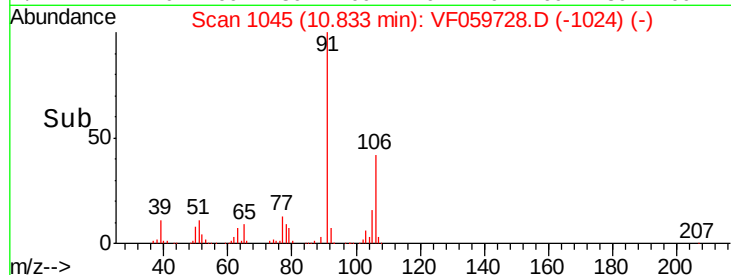
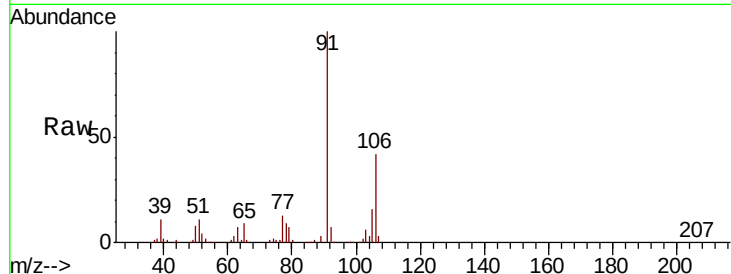
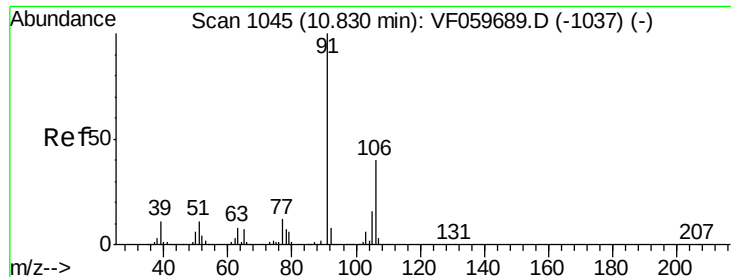
91 234.8 181.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





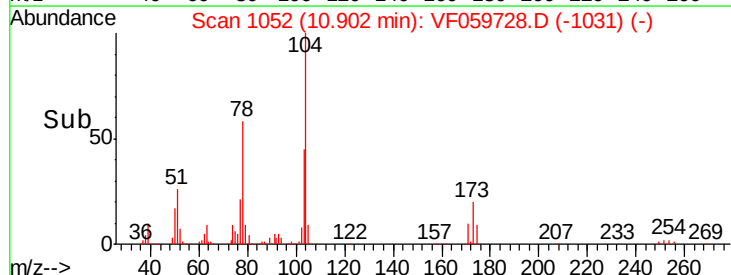
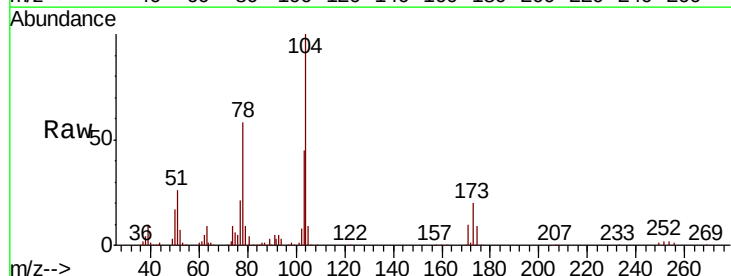
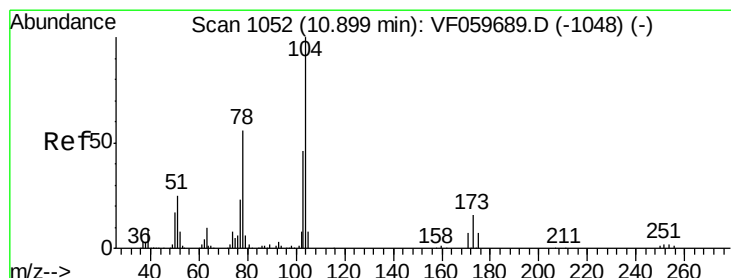
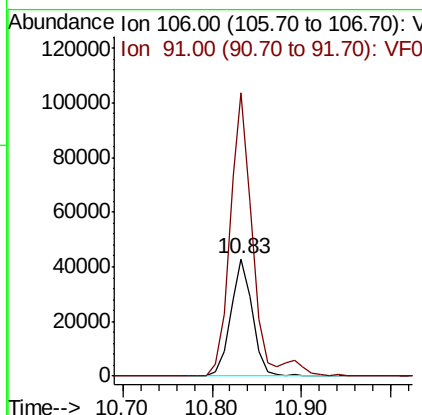
#69
o-Xylene
Concen: 23.951 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion:106 Resp: 74054
Ion Ratio Lower Upper
106 100
91 240.7 124.6 373.7

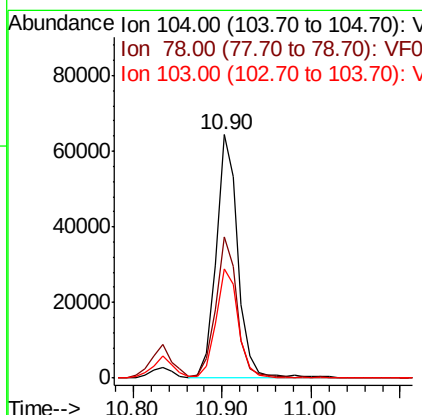
Manual Integrations
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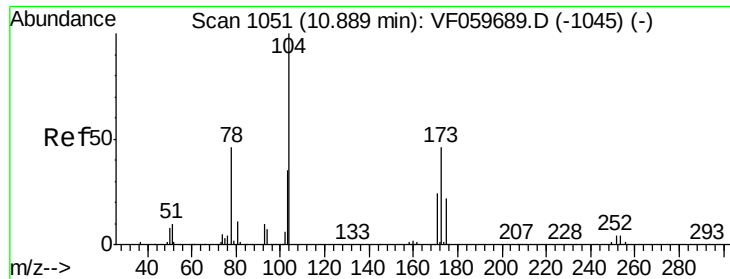
apatel
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#70
Styrene
Concen: 23.432 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Tgt Ion:104 Resp: 109755
Ion Ratio Lower Upper
104 100
78 57.8 45.3 67.9
103 44.8 36.6 54.8





#71

Bromoform

Concen: 25.007 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

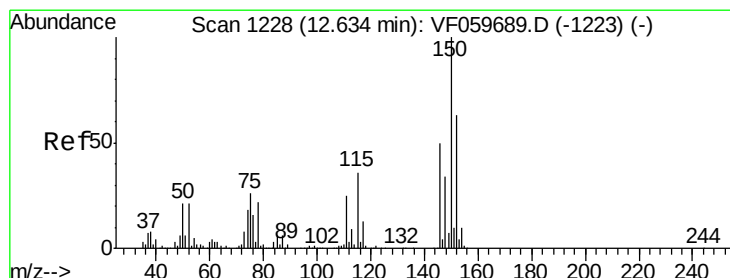
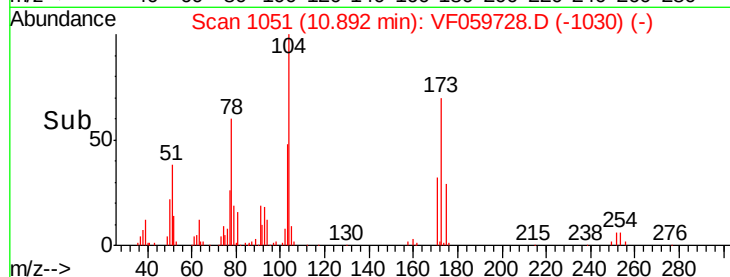
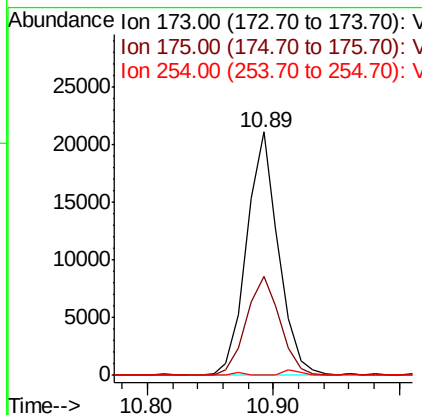
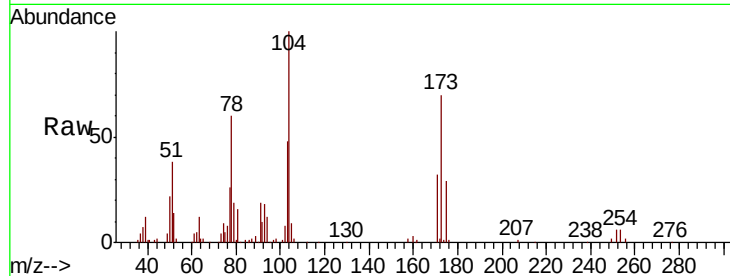
ClientSampleId :

VF0731SBS03

Tot Ion:	173	Resp:	36897
Ion Ratio	Lower	Upper	
173	100		
175	41.4	23.4	70.0
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

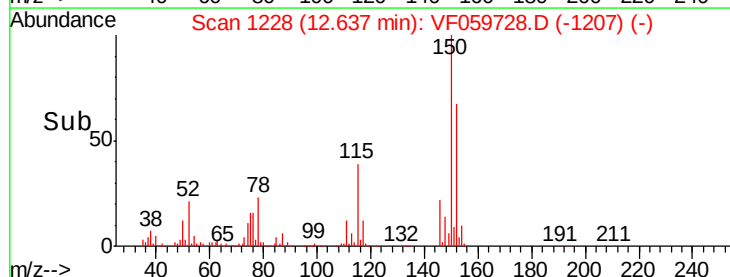
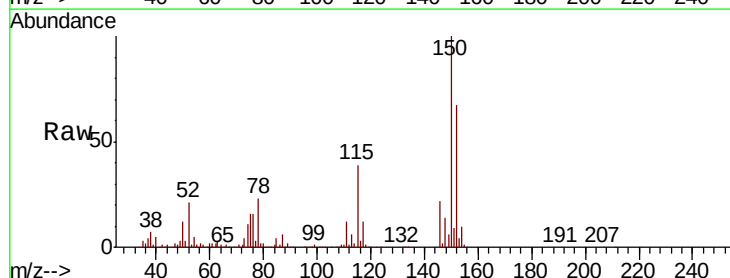
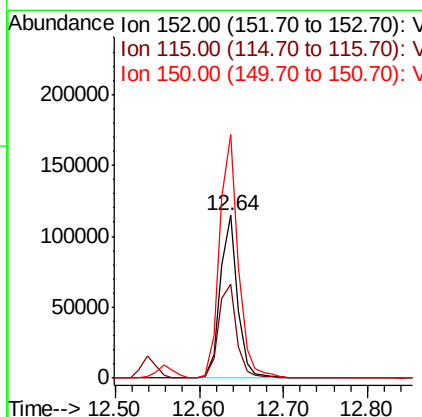
RT: 12.64 min Scan# 1228

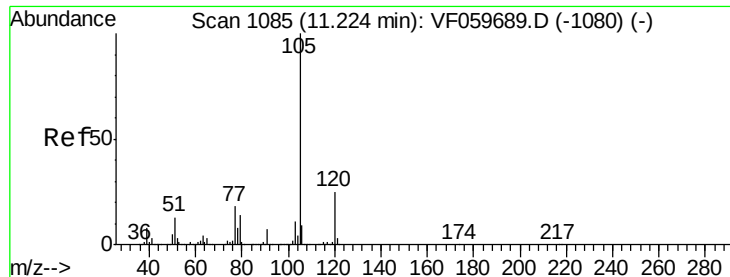
Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Tgt Ion:	152	Resp:	164390
Ion Ratio	Lower	Upper	
152	100		
115	58.0	28.2	84.6
150	150.0	0.0	316.2





#73

Isopropylbenzene

Concen: 21.765 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion:105 Resp: 234762

Ion Ratio Lower Upper

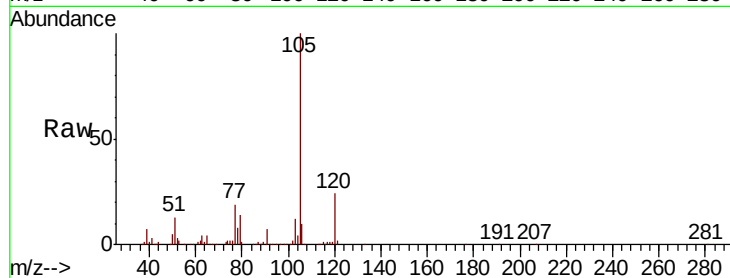
105 100

120 23.9 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

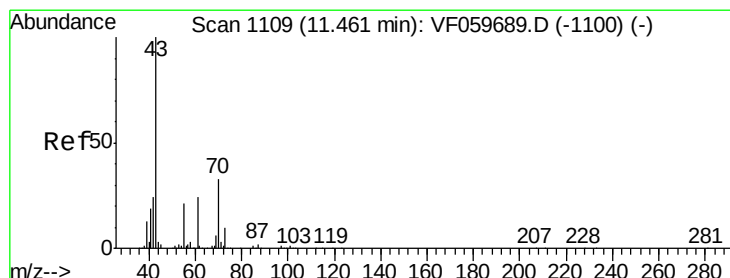
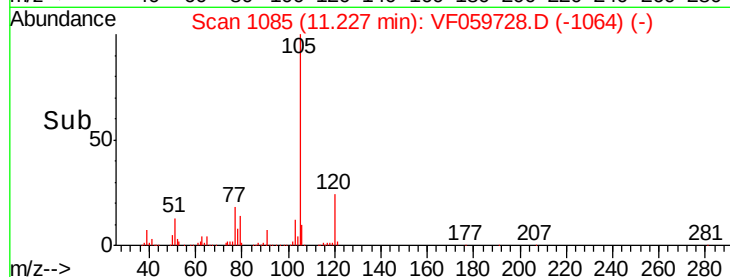
150000

100000

50000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 19.341 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Tgt Ion: 43 Resp: 52633

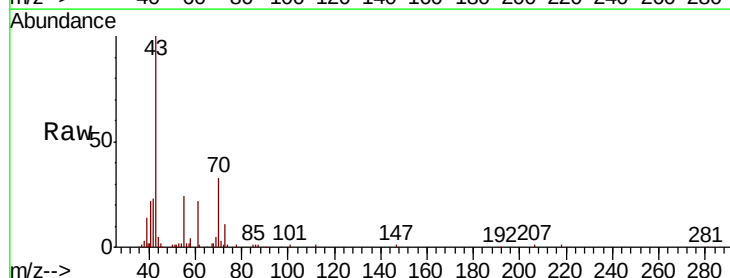
Ion Ratio Lower Upper

43 100

70 32.5 26.3 39.5

55 23.6 16.6 25.0

61 22.3 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

11.46

50000

40000

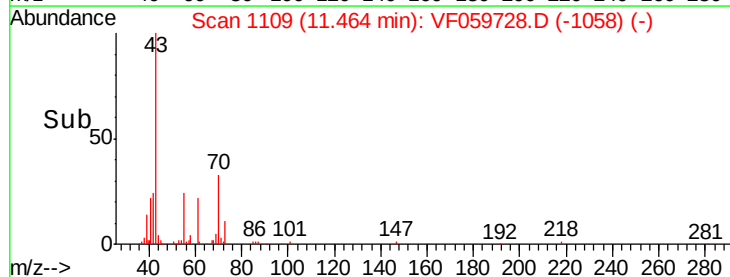
30000

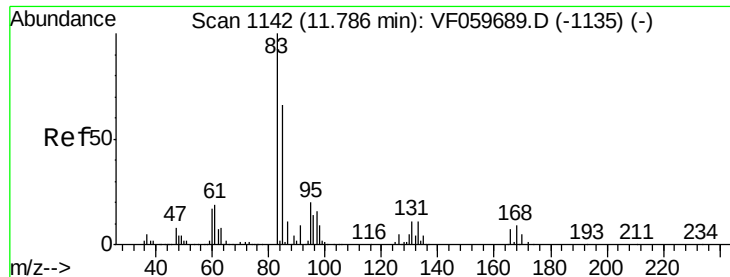
20000

10000

0

Time--> 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 23.181 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

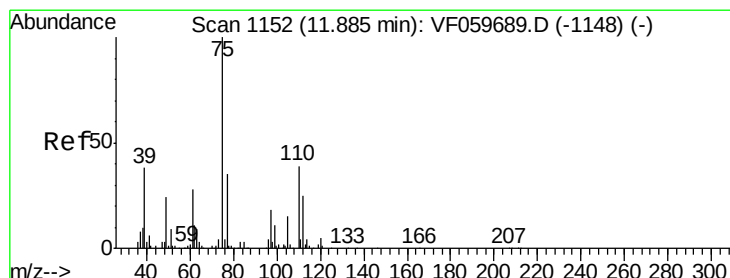
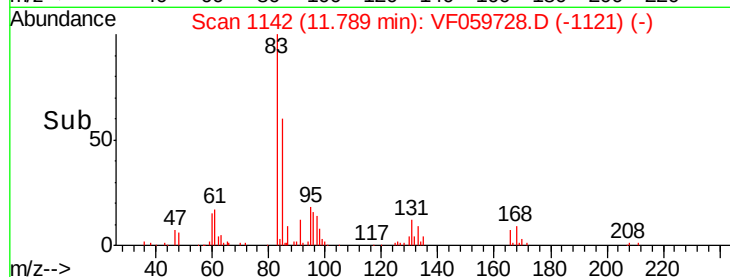
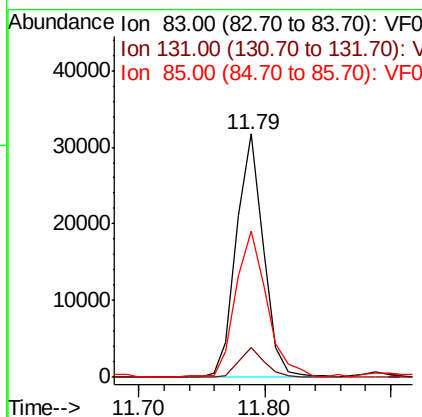
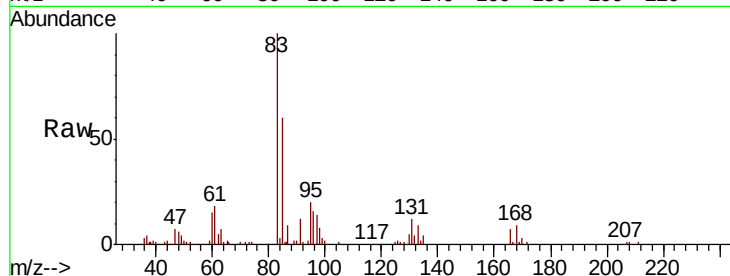
ClientSampleId :

VF0731SBS03

Tot Ion:	83	Resp:	47067
Ion Ratio	Lower	Upper	
83	100		
131	12.4	5.8	17.3
85	60.0	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.189 ug/l

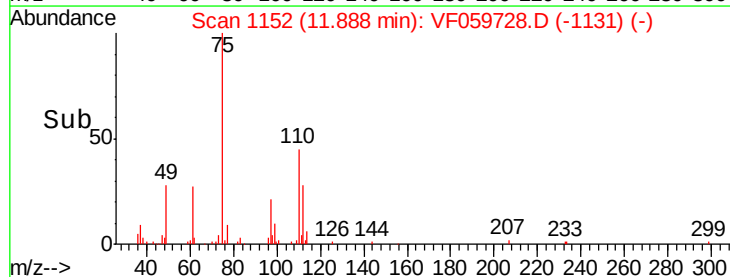
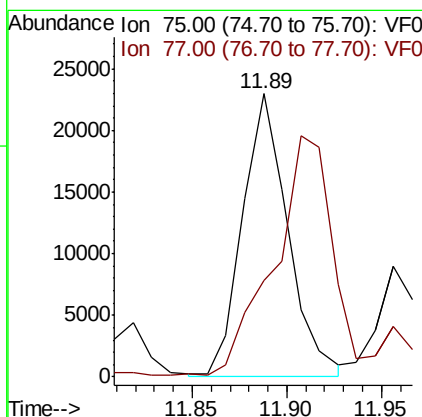
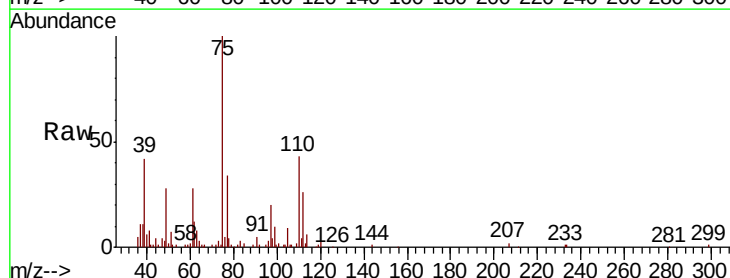
RT: 11.89 min Scan# 1152

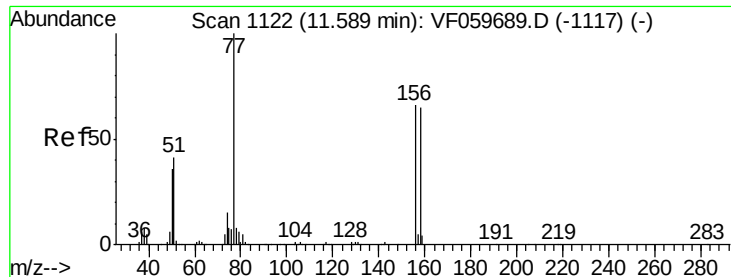
Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Tgt Ion:	75	Resp:	38310
Ion Ratio	Lower	Upper	
75	100		
77	34.2	18.0	54.0





#77

Bromobenzene

Concen: 21.063 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

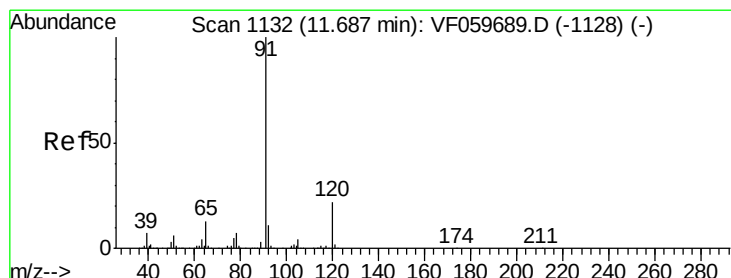
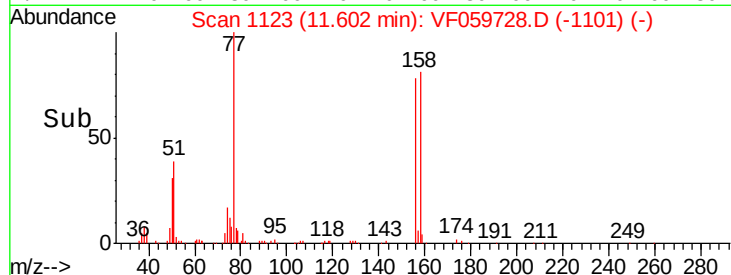
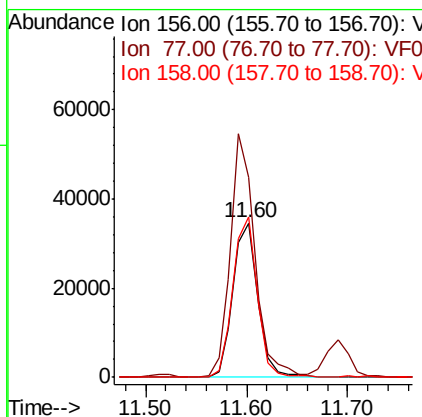
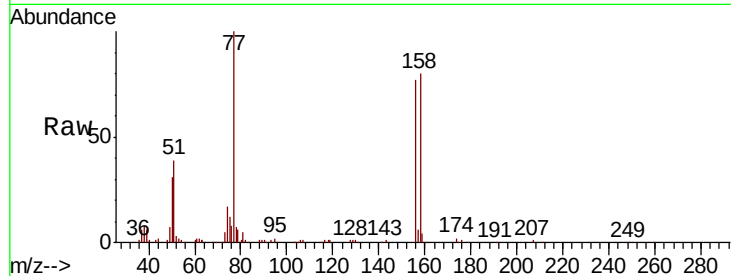
ClientSampleId :

VF0731SBS03

Tot Ion:	156	Resp:	59328
Ion Ratio	Lower	Upper	
156	100		
77	129.2	75.2	225.6
158	103.6	49.1	147.3

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#78

n-propylbenzene

Concen: 21.606 ug/l

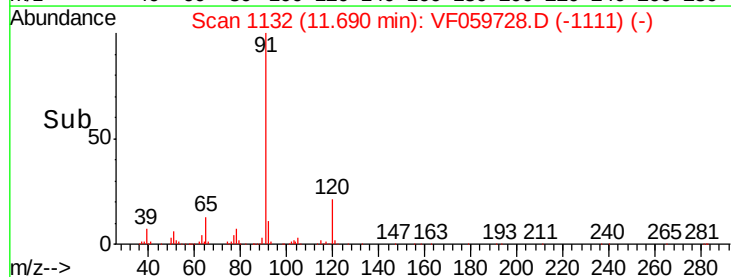
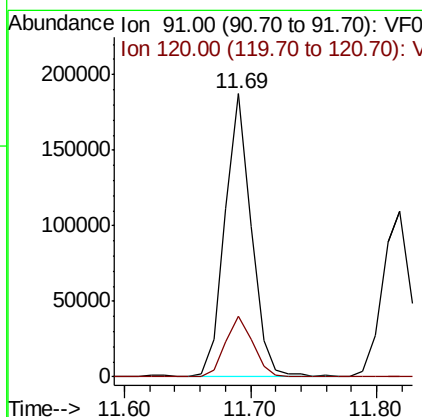
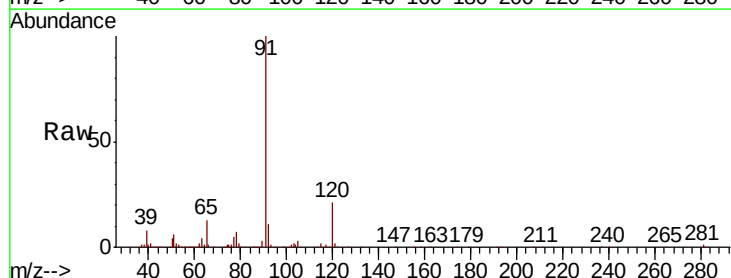
RT: 11.69 min Scan# 1132

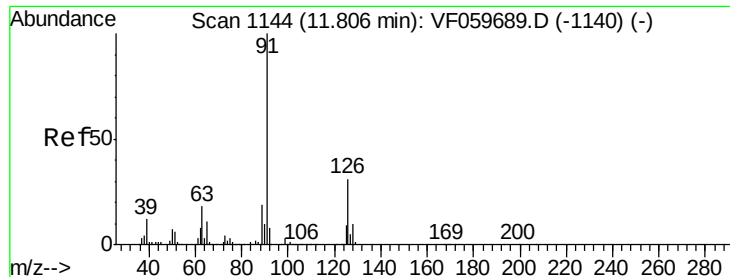
Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Tgt Ion:	91	Resp:	270342
Ion Ratio	Lower	Upper	
91	100		
120	21.4	11.0	33.0





#79

2-Chlorotoluene

Concen: 21.957 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBSD03

Tot Ion: 91 Resp: 169916

Ion Ratio Lower Upper

91 100

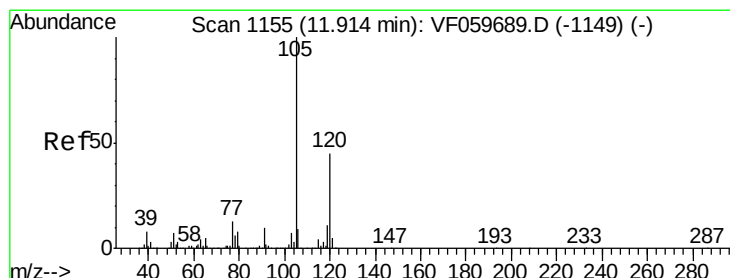
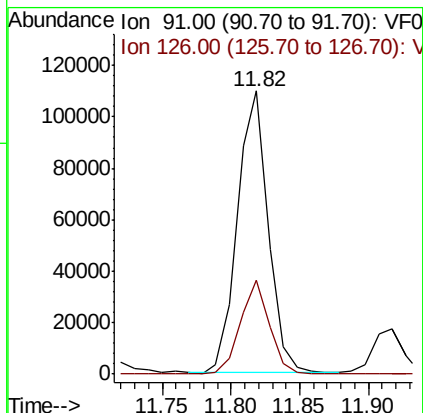
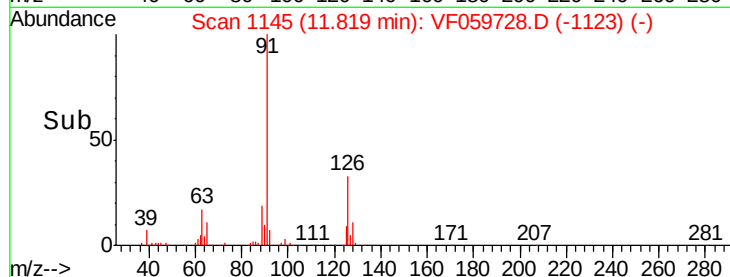
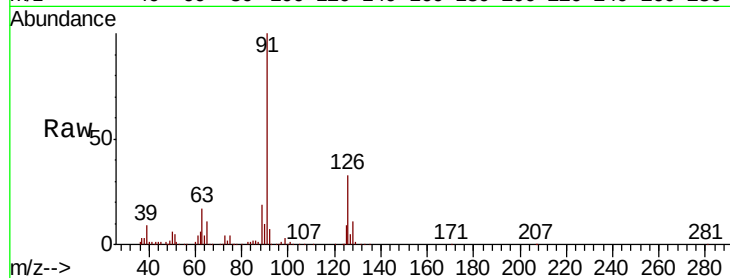
126 33.0 15.4 46.2

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#80

1,3,5-Trimethylbenzene

Concen: 22.527 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059728.D

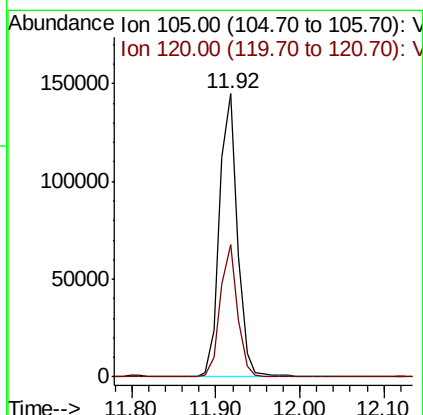
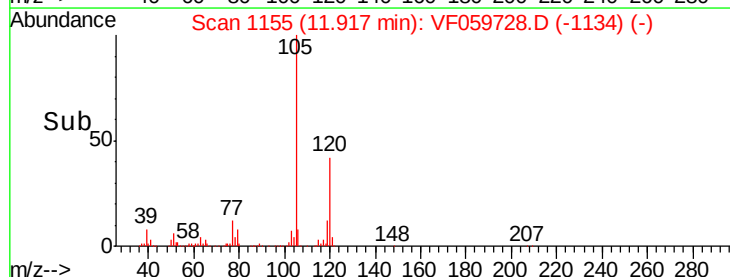
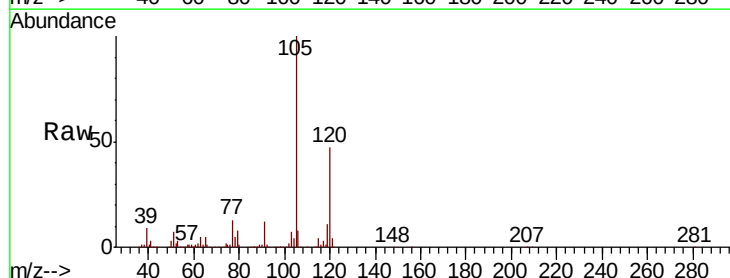
Acq: 1 Aug 2018 1:49

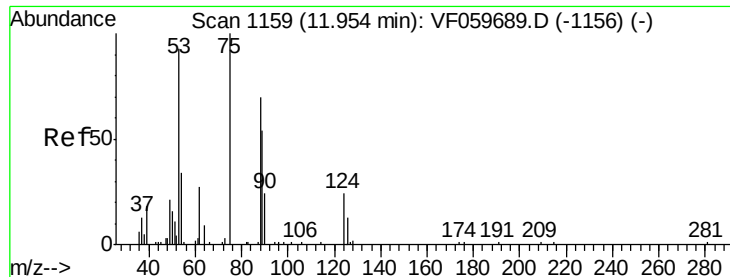
Tgt Ion: 105 Resp: 215542

Ion Ratio Lower Upper

105 100

120 46.6 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.941 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

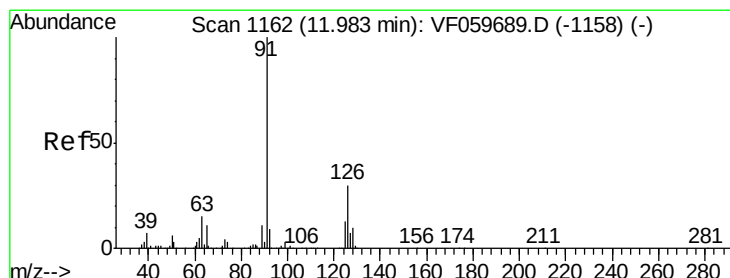
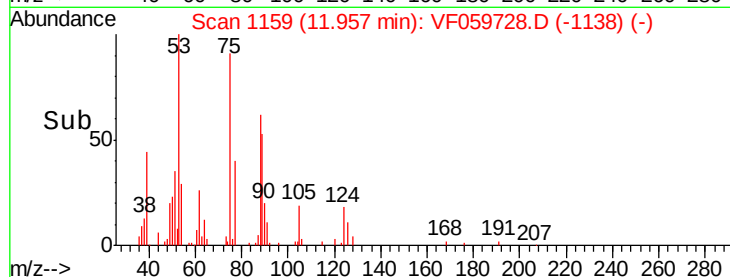
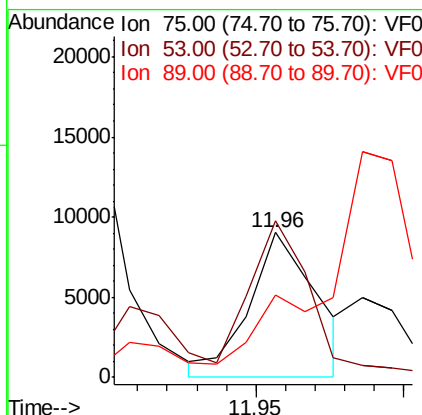
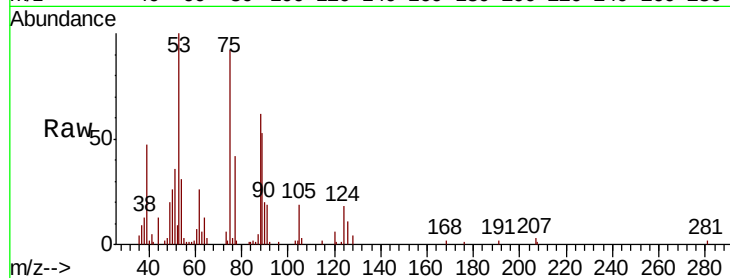
ClientSampleId :

VF0731SBS03

Tot Ion:	75	Resp:	14258
Ion	Ratio	Lower	Upper
75	100		
53	108.3	78.3	117.5
89	57.1	45.4	68.2

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#82

4-Chlorotoluene

Concen: 22.125 ug/l

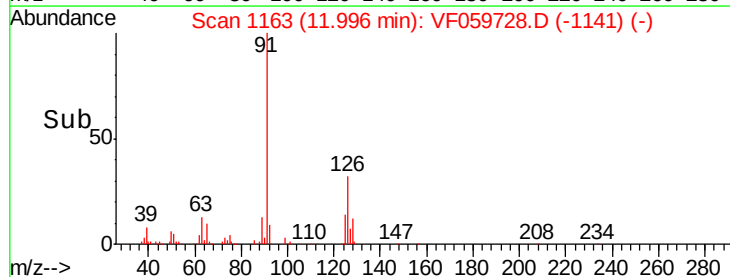
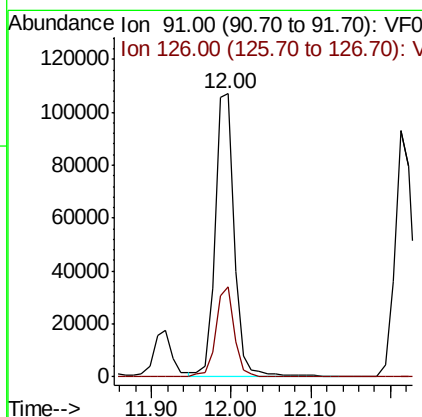
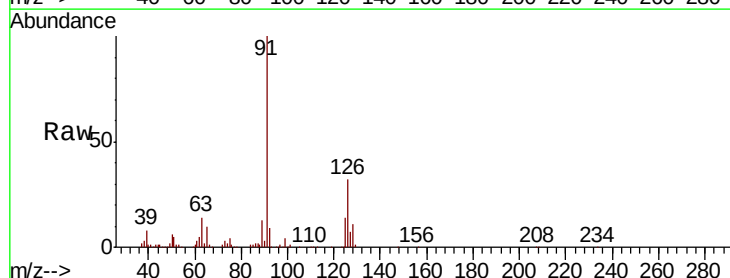
RT: 12.00 min Scan# 1163

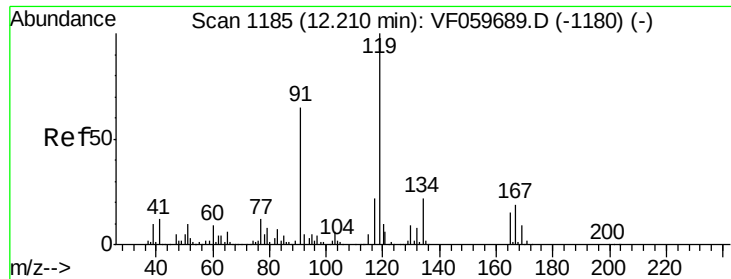
Delta R.T. 0.01 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Tgt Ion:	91	Resp:	181085
Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.2	45.6





#83

tert-Butylbenzene

Concen: 22.429 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

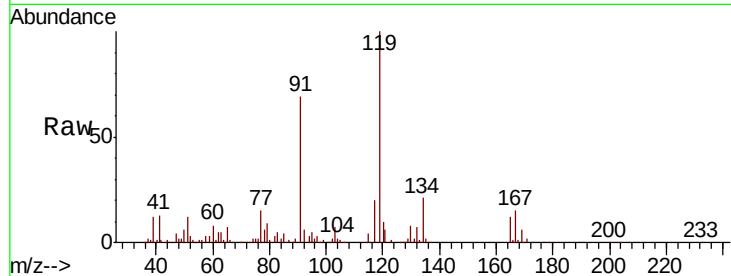
ClientSampleId :

VF0731SBS03

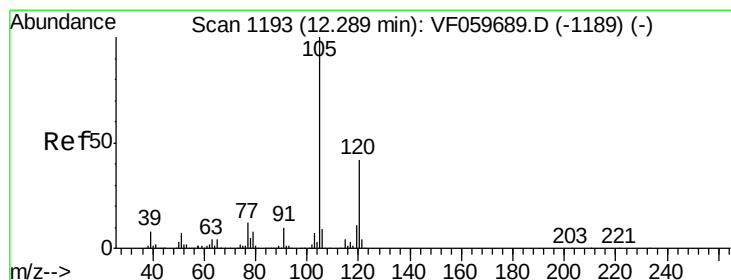
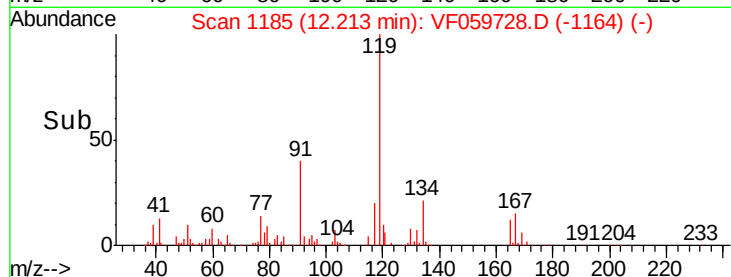
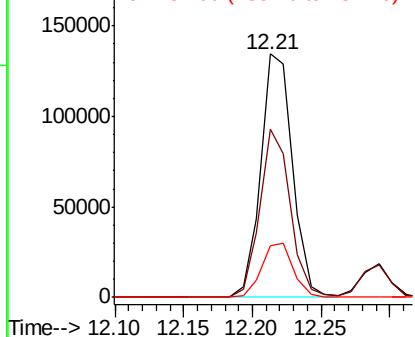
Tot Ion:	119	Resp:	217174
Ion Ratio	Lower	Upper	
119	100		
91	69.2	32.8	98.4
134	21.3	10.9	32.7

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 23.968 ug/l

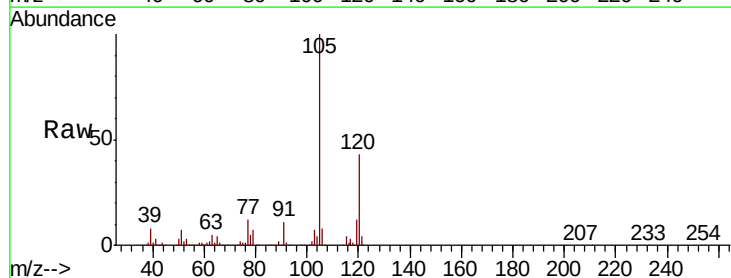
RT: 12.29 min Scan# 1193

Delta R.T. 0.00 min

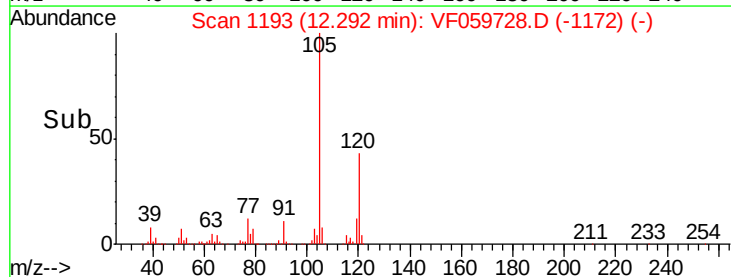
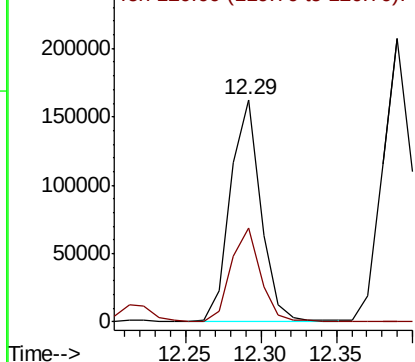
Lab File: VF059728.D

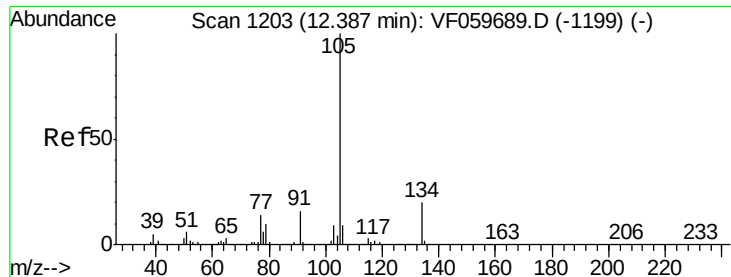
Acq: 1 Aug 2018 1:49

Tgt Ion:	105	Resp:	228560
Ion Ratio	Lower	Upper	
105	100		
120	42.5	21.1	63.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 23.149 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion:105 Resp: 286928

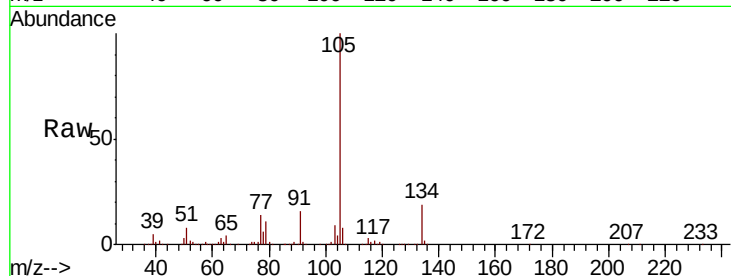
Ion Ratio Lower Upper

105 100

134 18.8 9.8 29.3

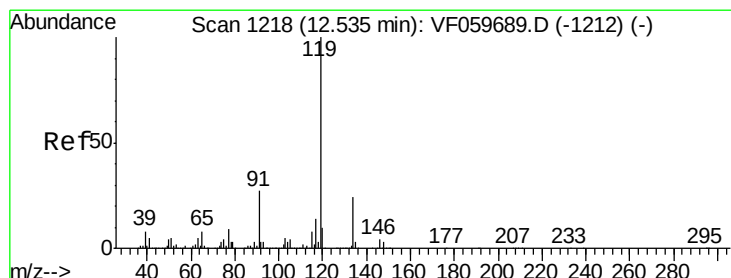
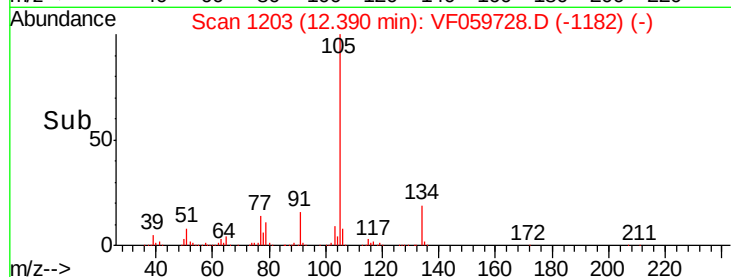
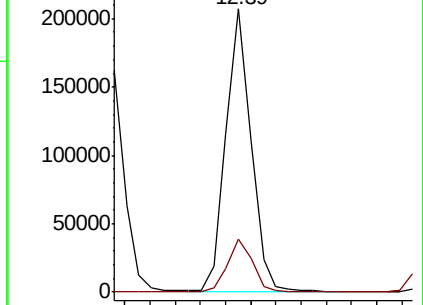
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.372 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

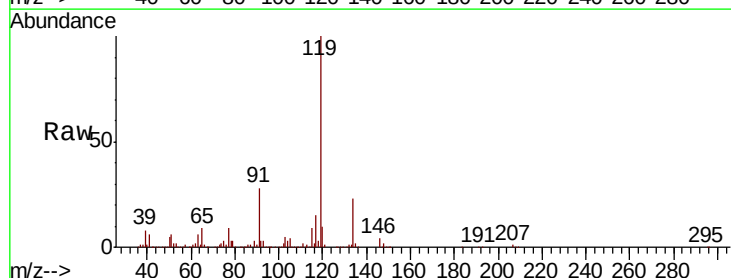
Tgt Ion:119 Resp: 244563

Ion Ratio Lower Upper

119 100

134 23.2 12.2 36.6

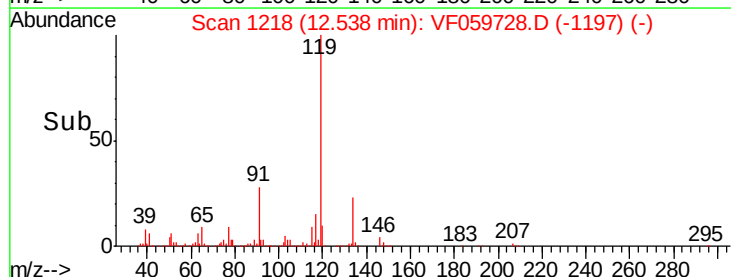
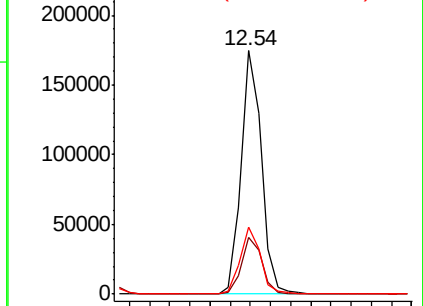
91 27.7 13.4 40.2

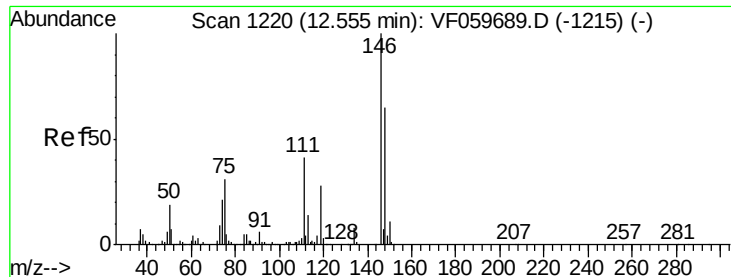


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 23.416 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Instrument :

MSVOA_F

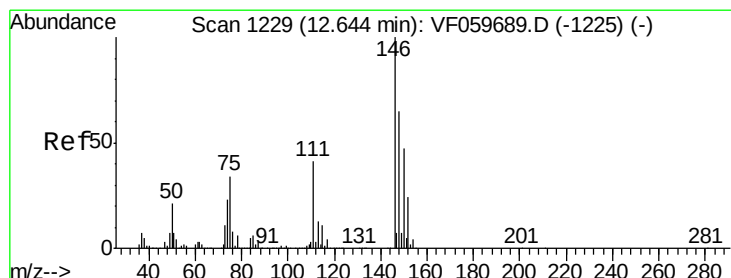
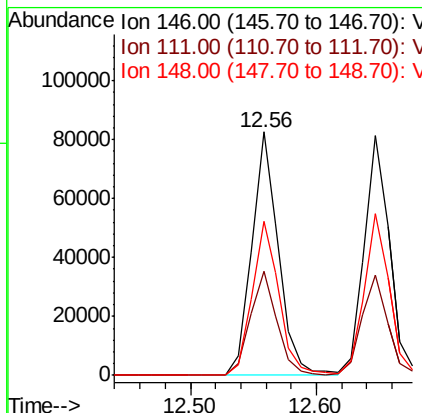
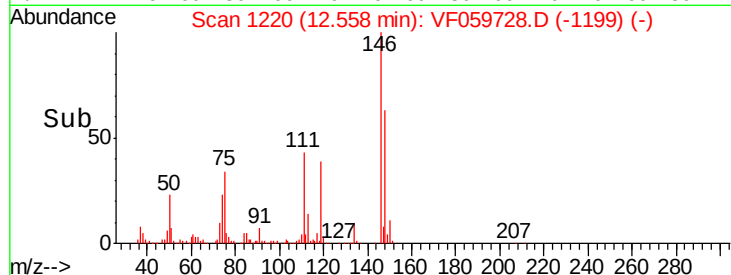
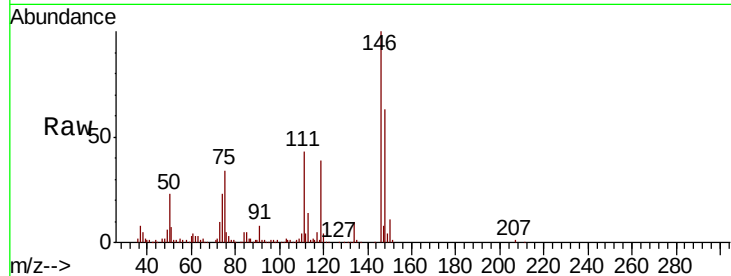
ClientSampleId :

VF0731SBSD03

Tot Ion:	146	Resp:	121991
Ion Ratio	Lower	Upper	
146	100		
111	42.8	20.7	62.1
148	63.3	32.3	96.8

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#88

1,4-Dichlorobenzene

Concen: 22.638 ug/l

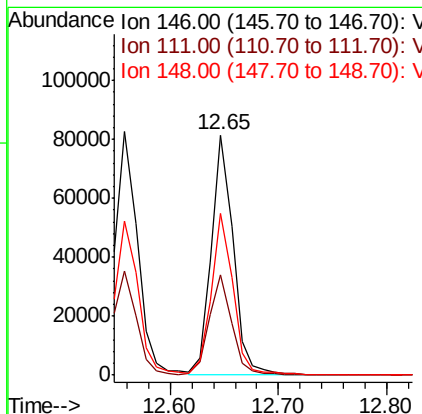
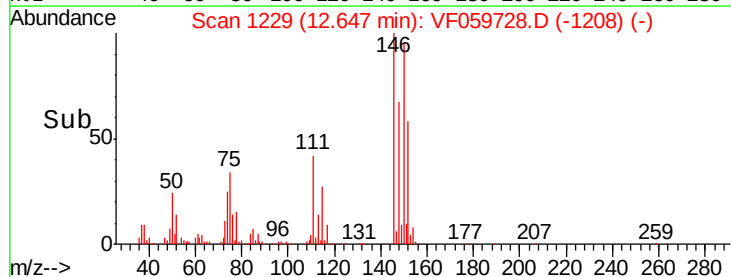
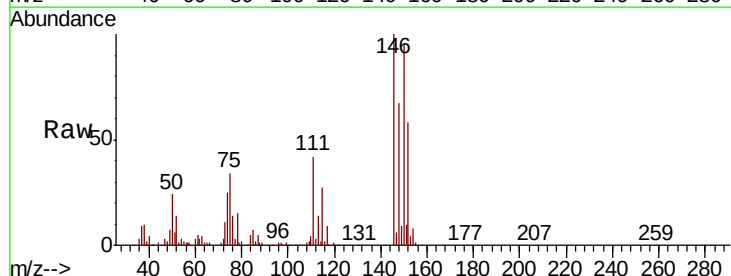
RT: 12.65 min Scan# 1229

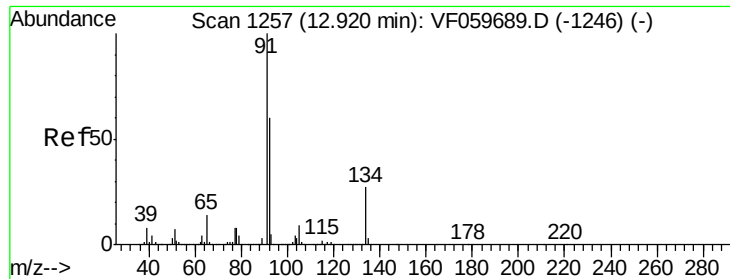
Delta R.T. 0.00 min

Lab File: VF059728.D

Acq: 1 Aug 2018 1:49

Tgt Ion:	146	Resp:	115819
Ion Ratio	Lower	Upper	
146	100		
111	41.8	20.8	62.2
148	67.3	32.3	96.9





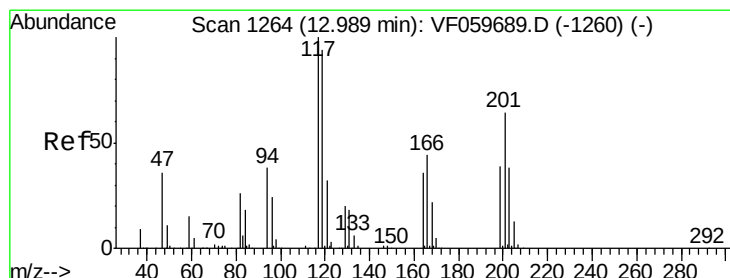
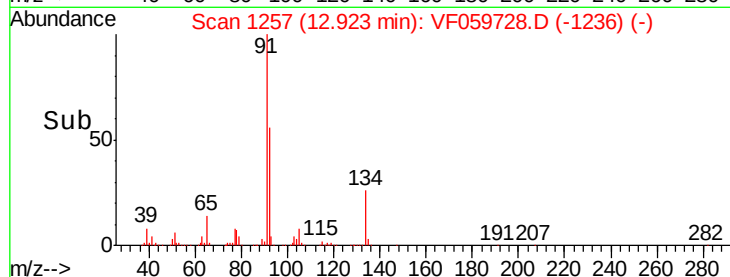
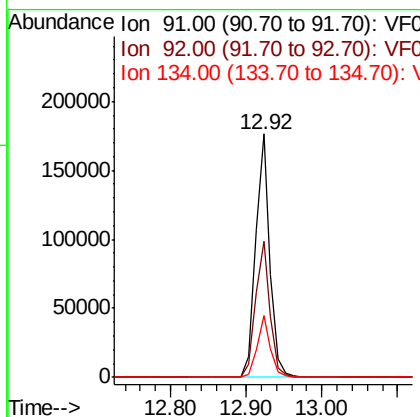
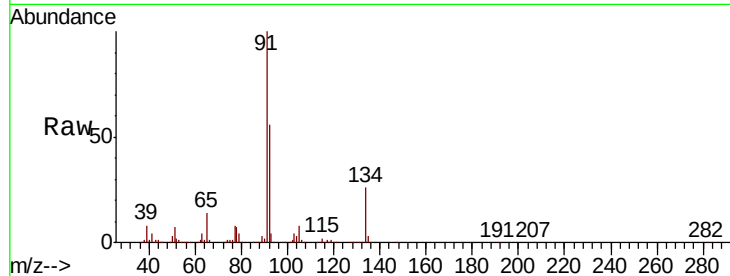
#89
n-Butylbenzene
Concen: 22.575 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ratio	Resp	Lower	Upper
91	100	234523		
92	56.0	30.1	90.3	
134	25.6	13.7	41.0	

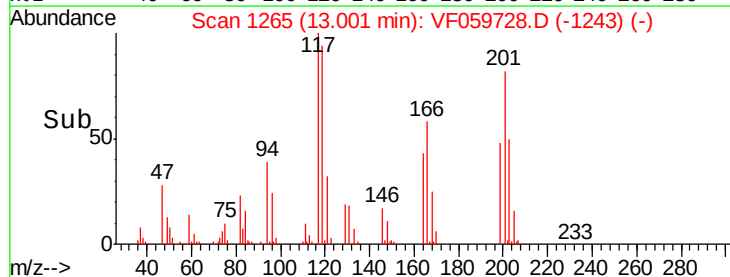
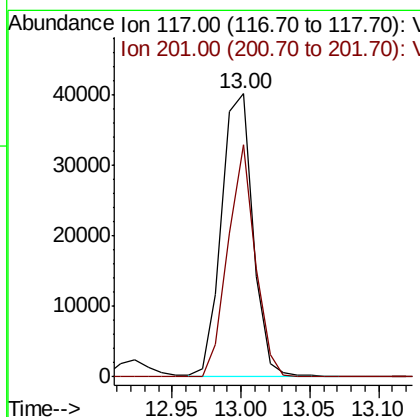
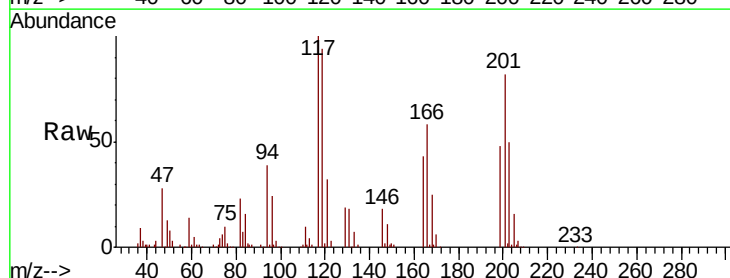
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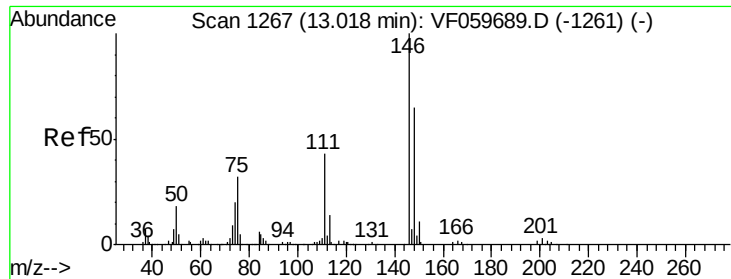
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#90
Hexachloroethane
Concen: 23.456 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	63813		
201	81.9	31.9	95.5	





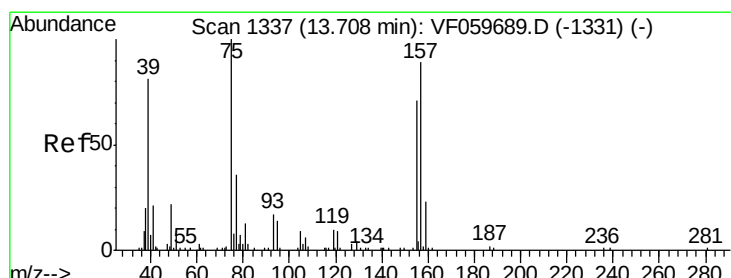
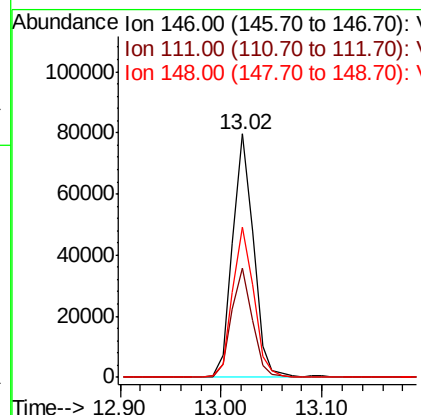
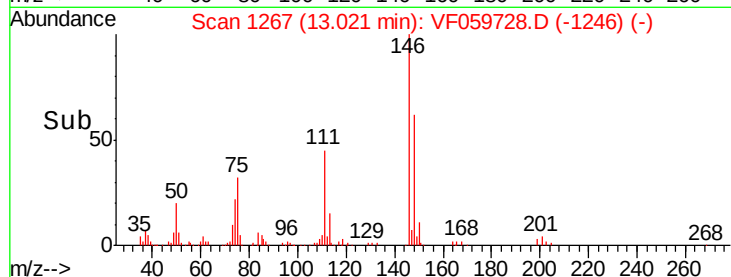
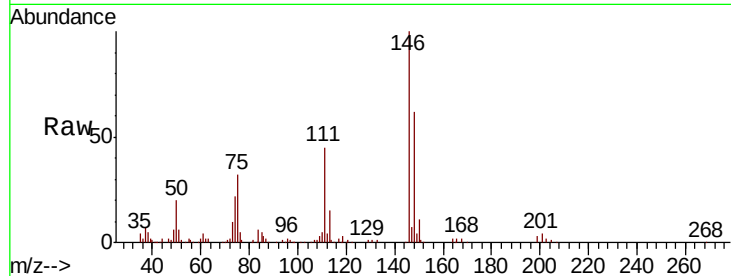
#91
 1,2-Dichlorobenzene
 Concen: 23.312 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059728.D
 Acq: 1 Aug 2018 1:49

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0731SBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.6	65.0
148	61.8	32.3	96.9

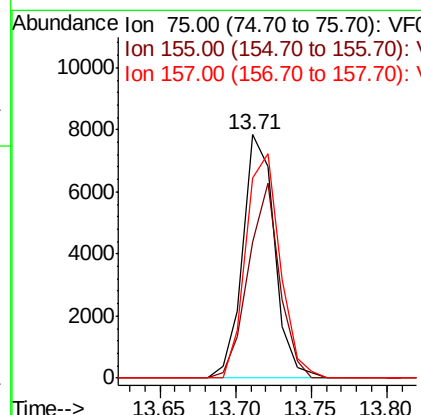
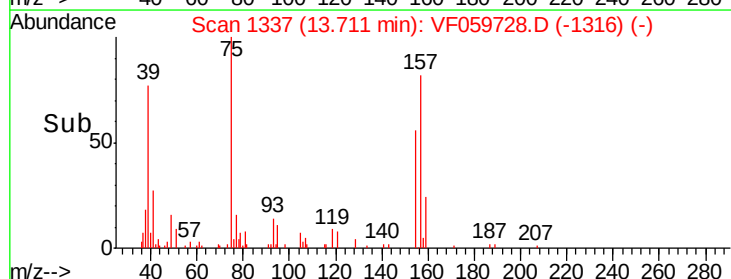
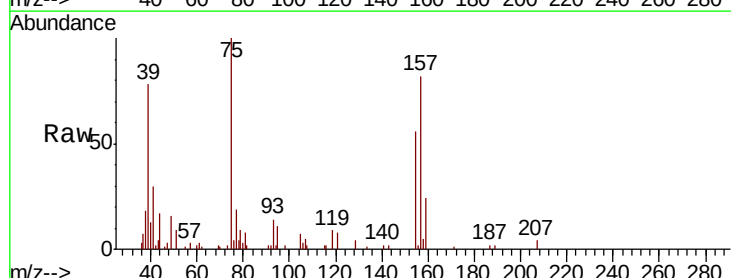
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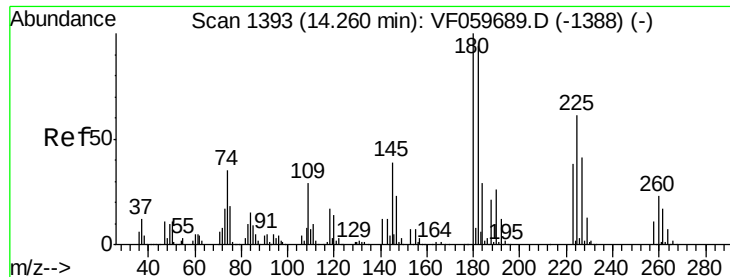
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.052 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059728.D
 Acq: 1 Aug 2018 1:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	55.8	35.4	106.2
157	86.6	44.4	133.2





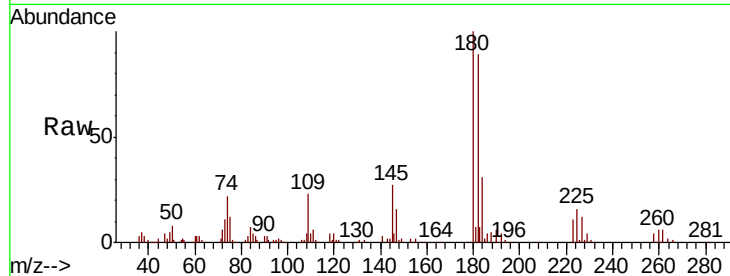
#93
 1,2,4-Trichlorobenzene
 Concen: 23.012 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059728.D
 Acq: 1 Aug 2018 1:49

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	89.3	47.2	141.6	
145	27.4	19.3	57.9	

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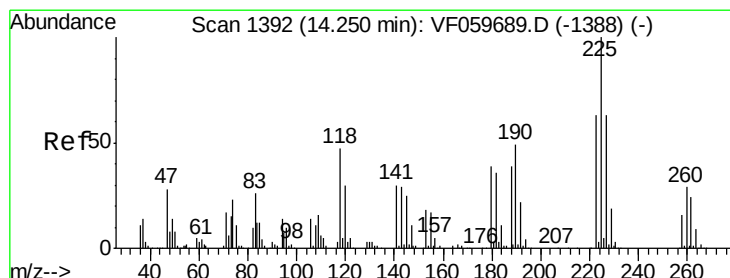
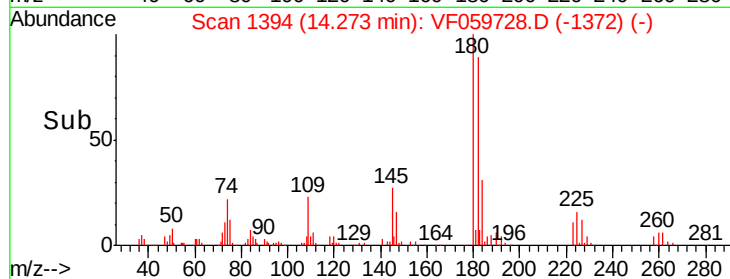
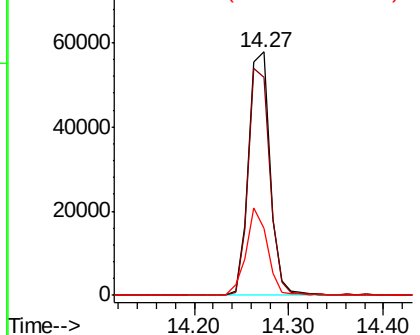


Abundance

Ion 180.00 (179.70 to 180.70): V

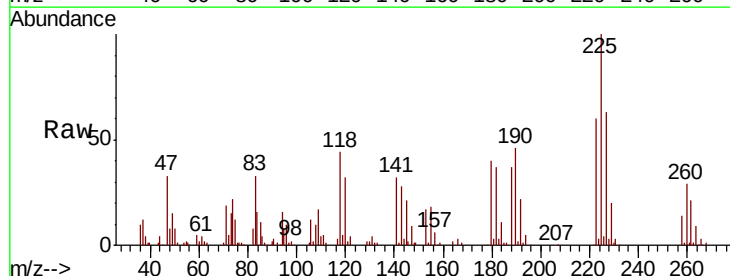
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 22.545 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059728.D
 Acq: 1 Aug 2018 1:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	59.6	31.4	94.2	
227	63.3	31.5	94.5	

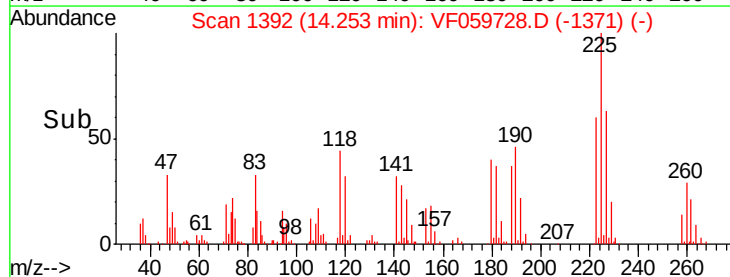
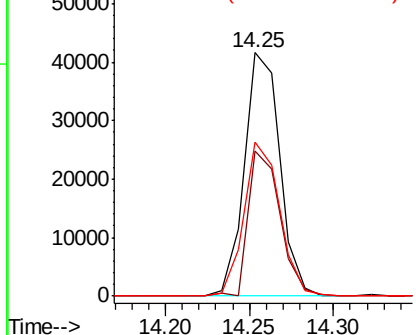


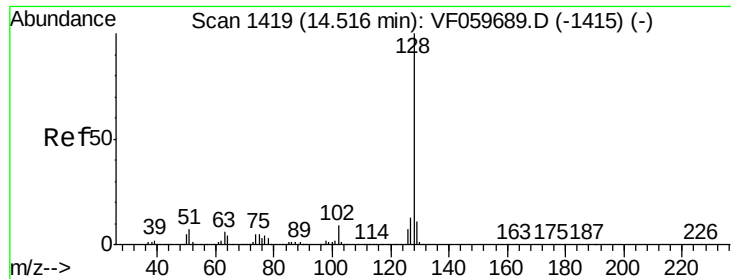
Abundance

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





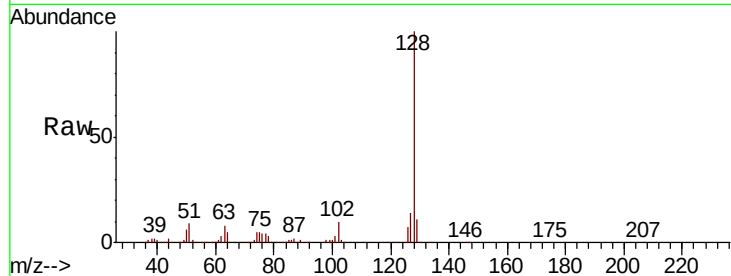
#95
Naphthalene
Concen: 21.686 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ratio	Resp	Lower	Upper
128	100	153705		
127	13.6		10.0	15.0
129	10.8		8.6	13.0

Manual Integrations
APPROVED

apatel
8/1/2018 4:30:02 PM

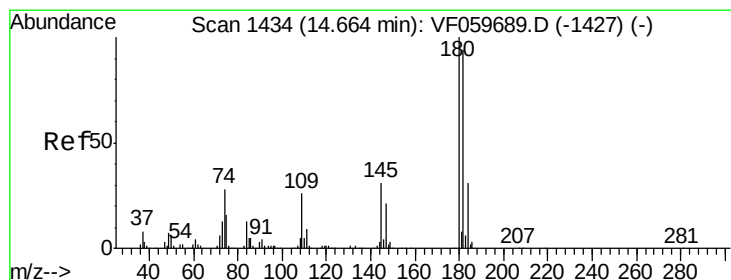
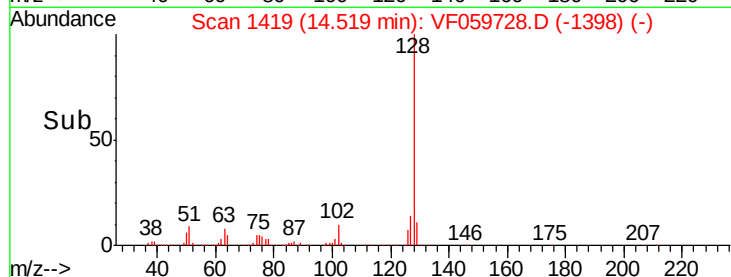
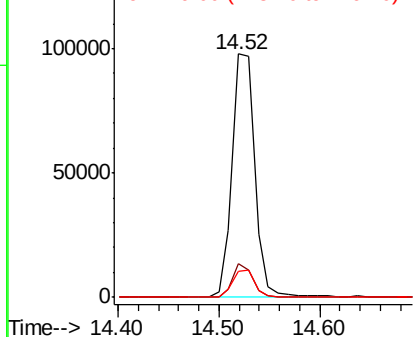


Abundance

Ion 128.00 (127.70 to 128.70): V

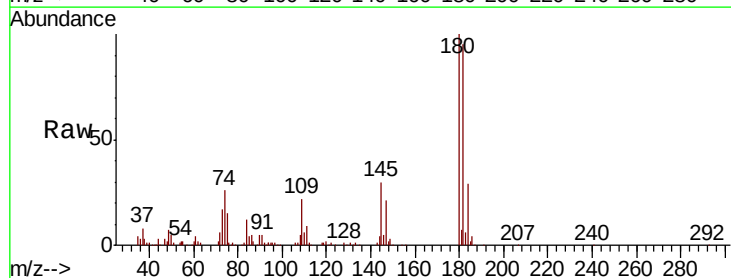
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 22.621 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059728.D
Acq: 1 Aug 2018 1:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	88617		
182	94.7		47.2	141.6
145	29.8		15.6	46.7



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

