

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059727.D
 Acq On : 1 Aug 2018 1:22
 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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 8/1/2018 4:29:56 PM

Quant Time: Aug 01 08:03:56 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	160514	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.77	114	225512	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	224336	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.64	152	149716	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	152140	52.74	ug/l	0.01
Spiked Amount	50.000		Recovery	=	105.48%	
35) Dibromofluoromethane	4.29	113	124727	53.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.50%	
50) Toluene-d8	7.71	98	265278	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
62) 4-Bromofluorobenzene	11.51	95	147187	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.99	85	57663	29.659	ug/l	97
3) Chloromethane	1.08	50	23700	22.743	ug/l	98
4) Vinyl Chloride	1.15	62	26942	25.257	ug/l	96
5) Bromomethane	1.34	94	23529	26.855	ug/l	89
6) Chloroethane	1.42	64	17759	27.373	ug/l #	83
7) Trichlorofluoromethane	1.53	101	78704m	26.256	ug/l	
8) Diethyl Ether	1.70	74	10049	19.606	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.89	101	43369	27.624	ug/l	95
10) Methyl Iodide	1.96	142	62401	26.440	ug/l	99
11) Tert butyl alcohol	2.70	59	11435	97.420	ug/l	100
12) 1,1-Dichloroethene	1.84	96	29237	23.520	ug/l	87
13) Acrolein	2.18	56	612	25.464	ug/l	85
14) Allyl chloride	2.19	41	45252	22.801	ug/l	94
15) Acrylonitrile	3.08	53	20444	109.719	ug/l	96
16) Acetone	2.34	43	49463	95.326	ug/l #	93
17) Carbon Disulfide	1.89	76	79294m	28.852	ug/l	
18) Methyl Acetate	2.45	43	23775	27.262	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	84596	22.316	ug/l	100
20) Methylene Chloride	2.28	84	30923m	23.577	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	28974	25.371	ug/l	95
22) Diisopropyl ether	2.93	45	93081	22.178	ug/l	99
23) Vinyl Acetate	3.33	43	209546	97.112	ug/l #	96
24) 1,1-Dichloroethane	3.00	63	71552	24.539	ug/l	98
25) 2-Butanone	4.51	43	50784	87.699	ug/l #	81
26) 2,2-Dichloropropane	3.77	77	48185	23.181	ug/l	95
27) cis-1,2-Dichloroethene	3.63	96	33908	21.716	ug/l	97
28) Bromochloromethane	3.89	49	25359	22.448	ug/l	95
29) Tetrahydrofuran	4.25	42	22545	101.297	ug/l	97
30) Chloroform	4.04	83	98557	23.949	ug/l	95
31) Cyclohexane	3.86	56	36257	23.468	ug/l	98
32) 1,1,1-Trichloroethane	4.28	97	81583	25.557	ug/l	93
36) 1,1-Dichloropropene	4.46	75	57507	23.060	ug/l	97
37) Ethyl Acetate	4.31	43	25163	19.534	ug/l #	93
38) Carbon Tetrachloride	4.17	117	89381m	24.928	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	43669	22.719	ug/l	95
40) Benzene	4.81	78	102458	22.498	ug/l	100
41) Methacrylonitrile	4.93	41	12359	20.090	ug/l #	94
42) 1,2-Dichloroethane	5.12	62	80104	25.133	ug/l	98
43) Isopropyl Acetate	7.12	43	22685	16.823	ug/l #	95
44) Trichloroethene	5.68	130	41544	24.516	ug/l	80
45) 1,2-Dichloropropane	6.41	63	27118	22.548	ug/l	91
46) Dibromomethane	6.26	93	26396	23.117	ug/l	97
47) Bromodichloromethane	6.55	83	70554	22.690	ug/l #	86
48) Methyl methacrylate	6.88	41	17031	16.791	ug/l	91
49) 1,4-Dioxane	6.88	88	2485	348.265	ug/l #	87
51) 4-Methyl-2-Pentanone	8.41	43	99670	97.166	ug/l	92
52) Toluene	7.79	92	73272	22.729	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	54521	20.207	ug/l	90
54) cis-1,3-Dichloropropene	7.46	75	52834	20.217	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	26603	21.569	ug/l	95
56) Ethyl methacrylate	8.76	69	23327	18.135	ug/l	93
57) 1,3-Dichloropropane	9.00	76	45192	21.358	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.79	63	17805	119.888	ug/l	100
59) 2-Hexanone	9.64	43	66818	81.287	ug/l	97
60) Dibromochloromethane	8.87	129	46511	21.370	ug/l	95
61) 1,2-Dibromoethane	9.14	107	31821	22.094	ug/l	93
64) Tetrachloroethene	8.31	164	44158	27.138	ug/l	94
65) Chlorobenzene	9.95	112	102716	22.889	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	49841	23.789	ug/l	96
67) Ethyl Benzene	10.04	91	179153	23.073	ug/l	94
68) m/p-Xylenes	10.27	106	122727	46.360	ug/l	89
69) o-Xylene	10.83	106	67551	23.611	ug/l	99
70) Styrene	10.90	104	99903	23.050	ug/l	93
71) Bromoform	10.89	173	31025	22.725	ug/l	96
73) Isopropylbenzene	11.23	105	226951	23.103	ug/l	96
74) N-amyl acetate	11.46	43	43898	17.712	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.79	83	39184	21.190	ug/l	98
76) 1,2,3-Trichloropropane	11.89	75	32812	20.867	ug/l	97
77) Bromobenzene	11.59	156	57403	22.377	ug/l	94
78) n-propylbenzene	11.69	91	264801	23.658	ug/l	99
79) 2-Chlorotoluene	11.82	91	164966	23.724	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	208203	24.212	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	12894m	19.800	ug/l	
82) 4-Chlorotoluene	11.99	91	173682	23.532	ug/l	97
83) tert-Butylbenzene	12.21	119	203948	23.127	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	210029	24.228	ug/l	98
85) sec-Butylbenzene	12.39	105	266417	23.719	ug/l	96
86) p-Isopropyltoluene	12.54	119	232759	23.662	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	114925	24.443	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	111028	24.062	ug/l	95
89) n-Butylbenzene	12.92	91	221208	23.611	ug/l	92
90) Hexachloroethane	13.00	117	60463	24.402	ug/l	76
91) 1,2-Dichlorobenzene	13.02	146	109411	24.473	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.71	75	9427	20.854	ug/l	96

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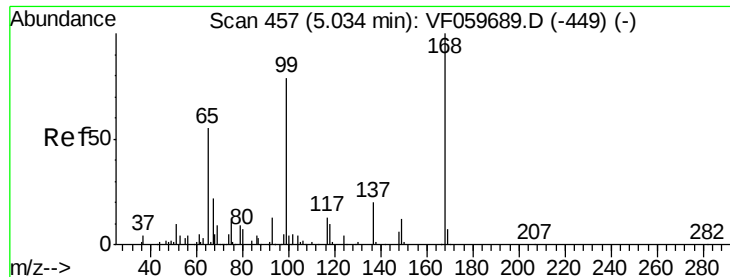
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Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	79308	21.601	ug/l	95
94) Hexachlorobutadiene	14.25	225	56786	23.124	ug/l	97
95) Naphthalene	14.52	128	128012	19.832	ug/l	100
96) 1,2,3-Trichlorobenzene	14.67	180	78826	22.094	ug/l	97

(#) = 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: VF059727.D

Acq: 1 Aug 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion:168 Resp: 160514

Ion Ratio Lower Upper

168 100

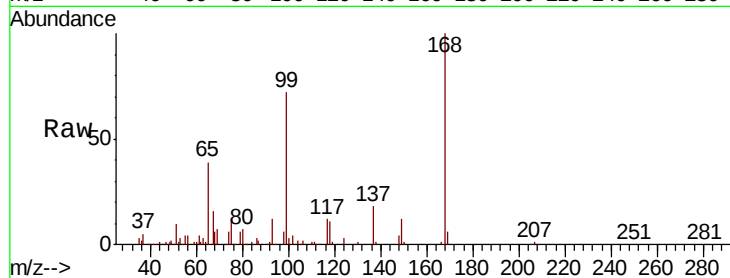
99 71.9 63.3 94.9

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

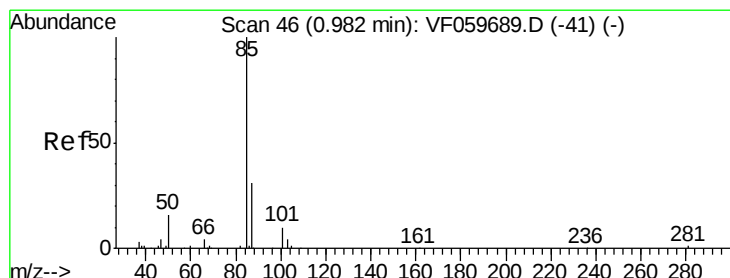
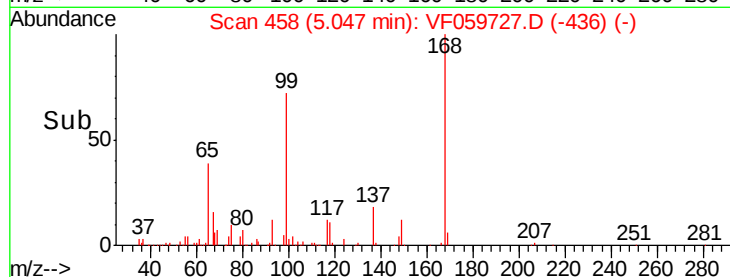
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 29.659 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059727.D

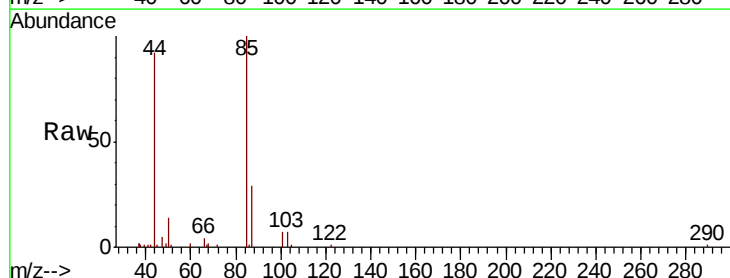
Acq: 1 Aug 2018 1:22

Tgt Ion: 85 Resp: 57663

Ion Ratio Lower Upper

85 100

87 29.1 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

20000

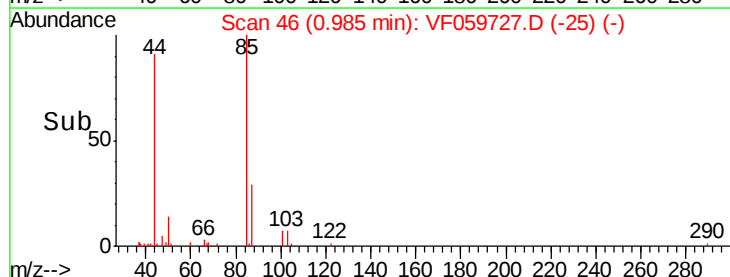
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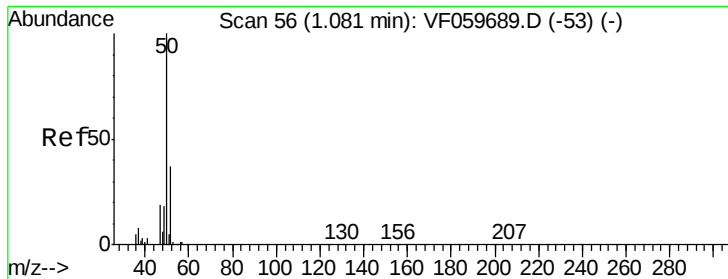
10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.743 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion: 50 Resp: 23700

Ion Ratio Lower Upper

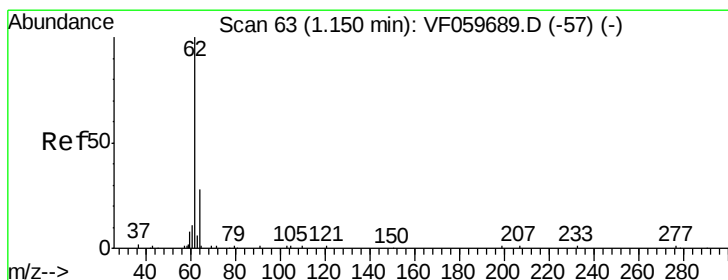
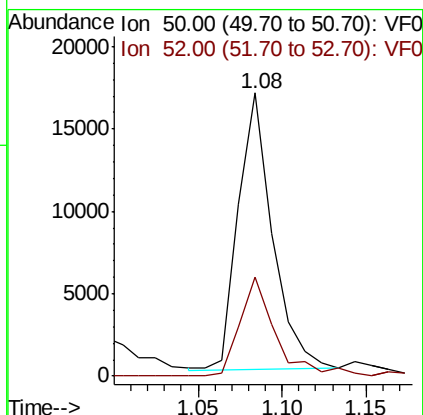
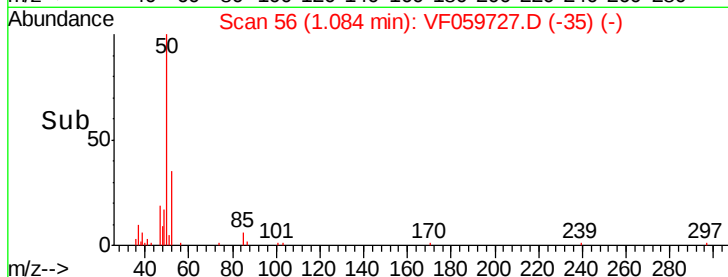
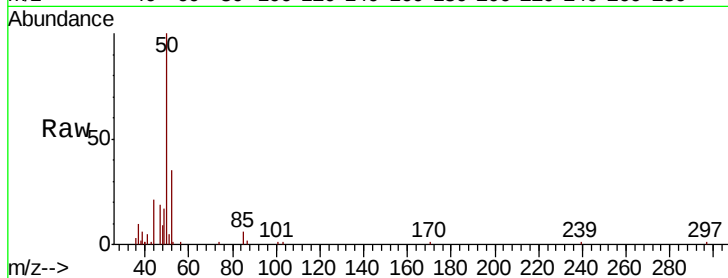
50 100

52 35.2 29.1 43.7

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#4

Vinyl Chloride

Concen: 25.257 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059727.D

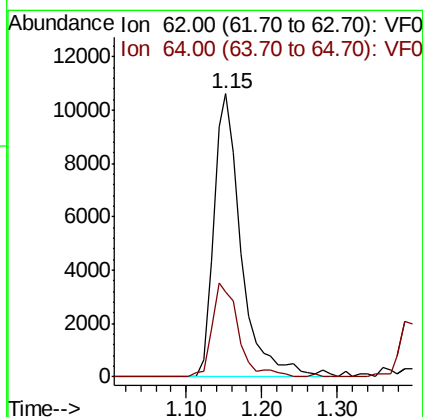
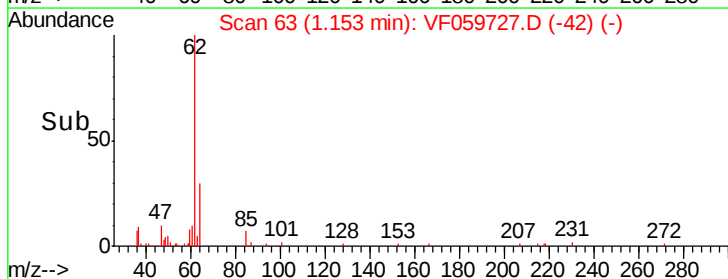
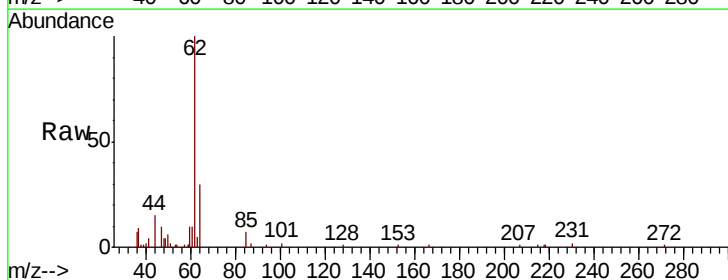
Acq: 1 Aug 2018 1:22

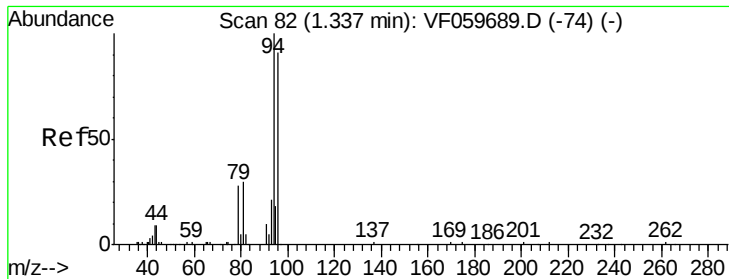
Tgt Ion: 62 Resp: 26942

Ion Ratio Lower Upper

62 100

64 30.2 22.6 33.8





#5

Bromomethane

Concen: 26.855 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion: 94 Resp: 23529

Ion Ratio Lower Upper

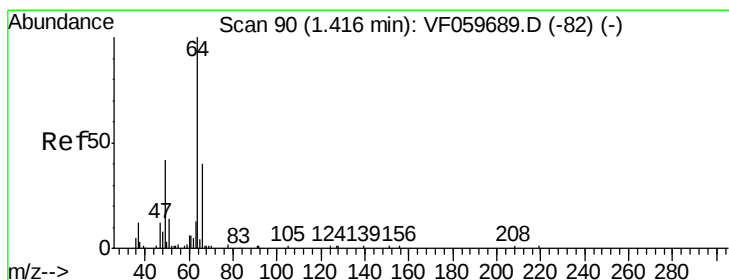
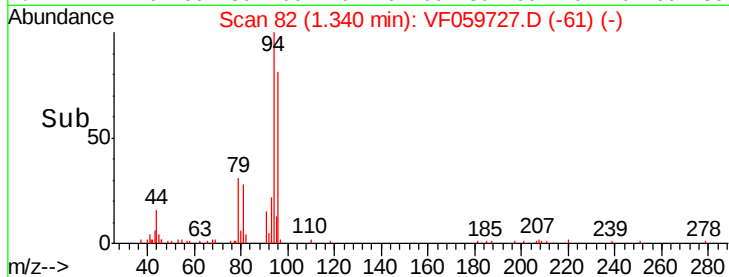
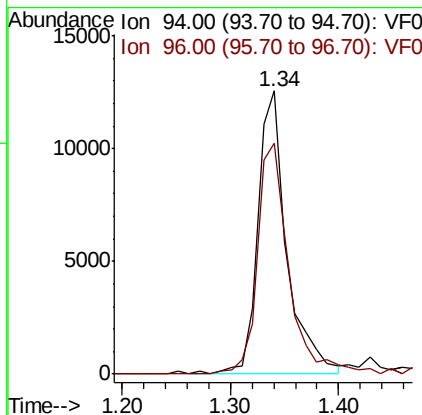
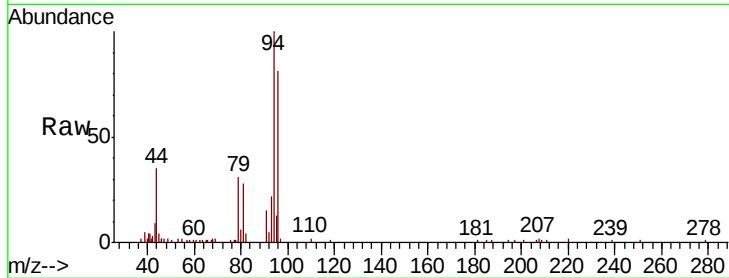
94 100

96 81.5 73.6 110.4

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#6

Chloroethane

Concen: 27.373 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059727.D

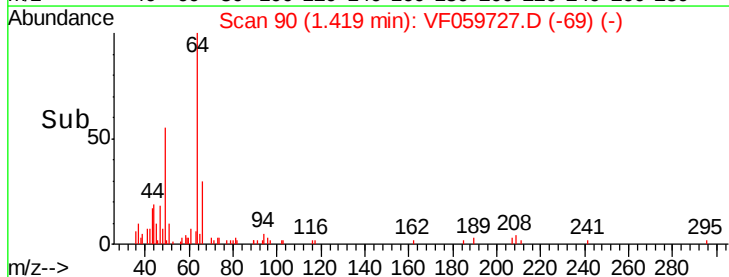
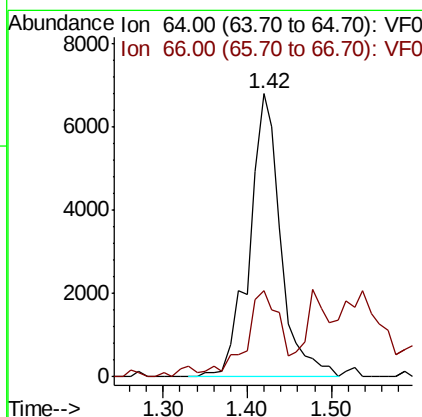
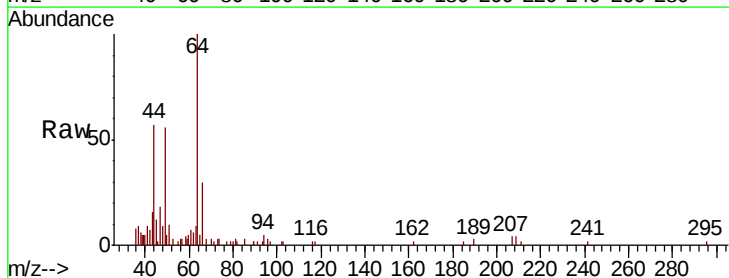
Acq: 1 Aug 2018 1:22

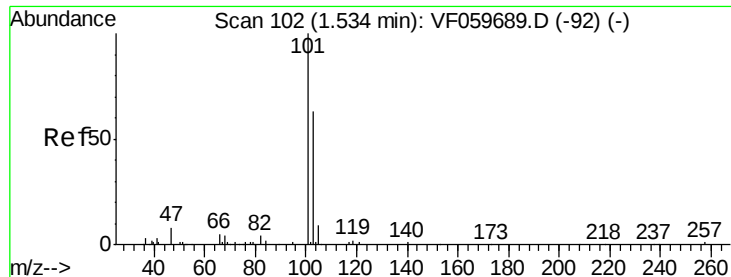
Tgt Ion: 64 Resp: 17759

Ion Ratio Lower Upper

64 100

66 30.5 32.6 49.0#





#7

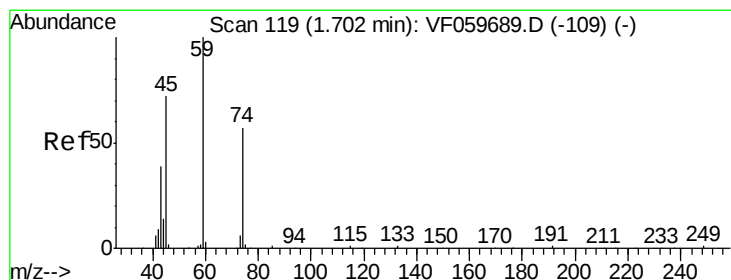
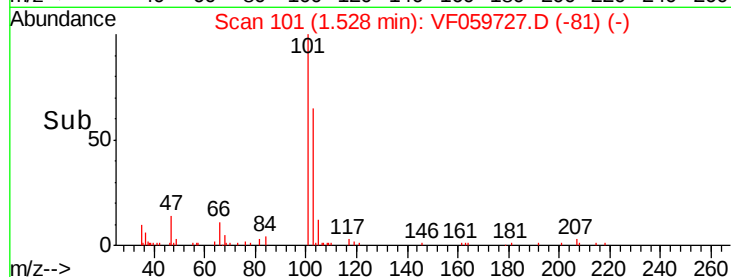
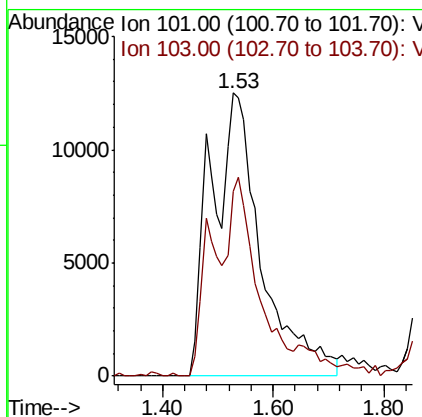
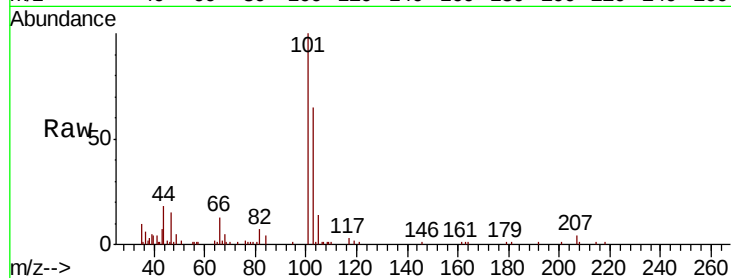
Trichlorofluoromethane
 Concen: 26.256 ug/l m
 RT: 1.53 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

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 VF0731SBS03

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	50.8	76.2

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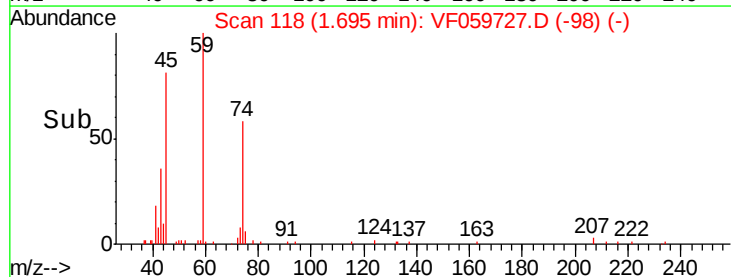
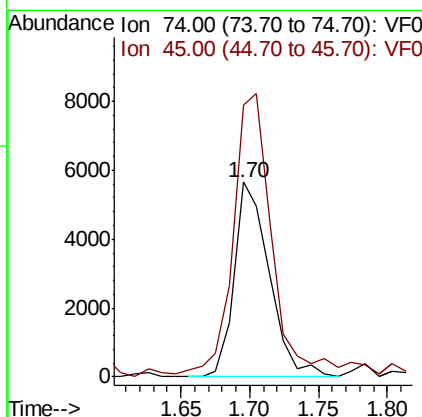
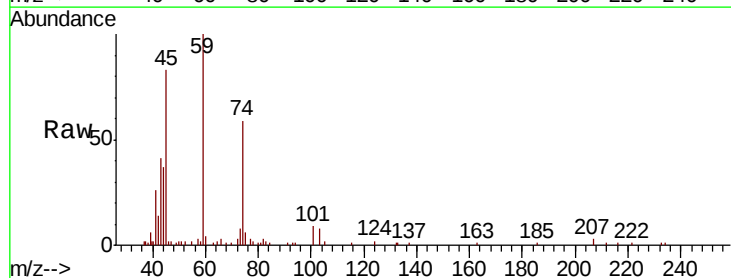
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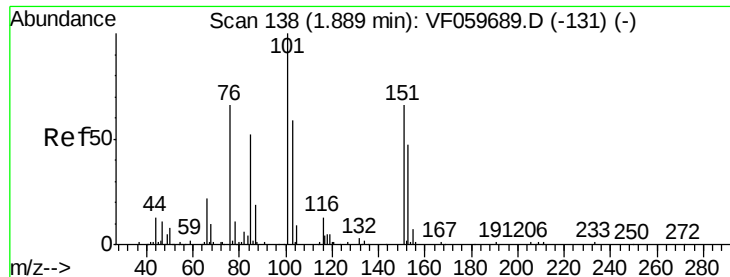


#8

Diethyl Ether
 Concen: 19.606 ug/l
 RT: 1.70 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	139.8	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 27.624 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Instrument :

MSVOA_F

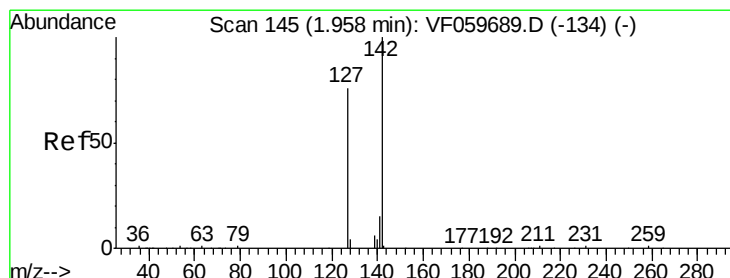
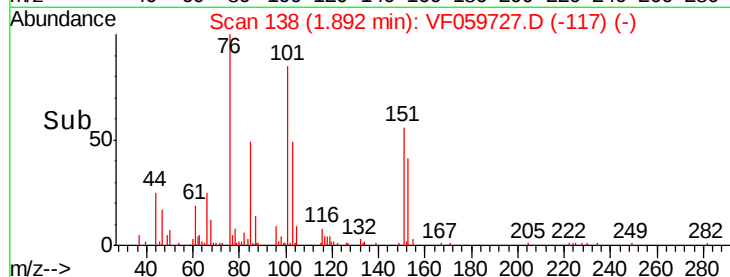
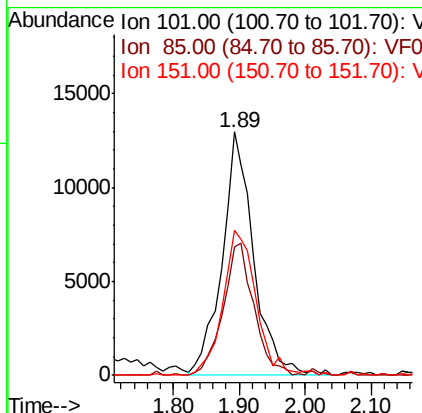
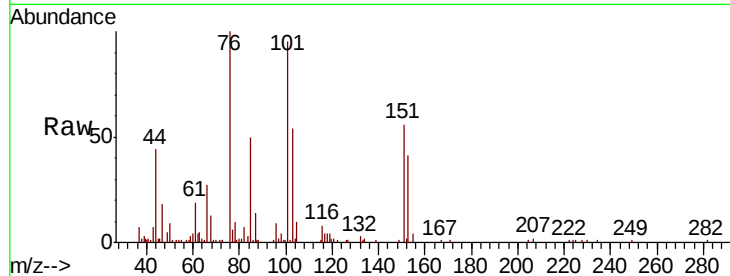
ClientSampleId :

VF0731SBS03

Tot Ion:	101	Resp:	43369
Ion Ratio	Lower	Upper	
101	100		
85	53.1	40.7	61.1
151	59.1	51.4	77.2

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#10

Methyl Iodide

Concen: 26.440 ug/l

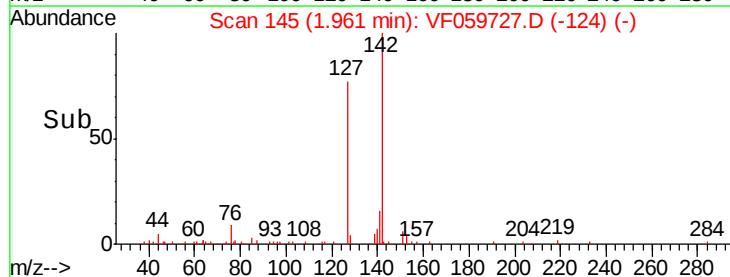
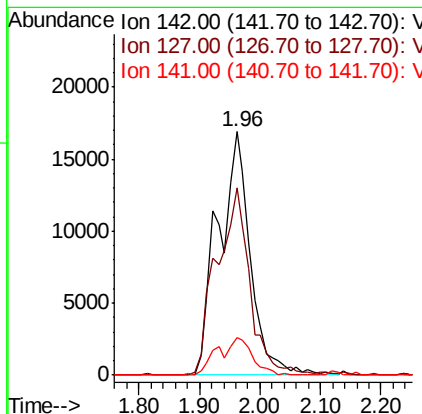
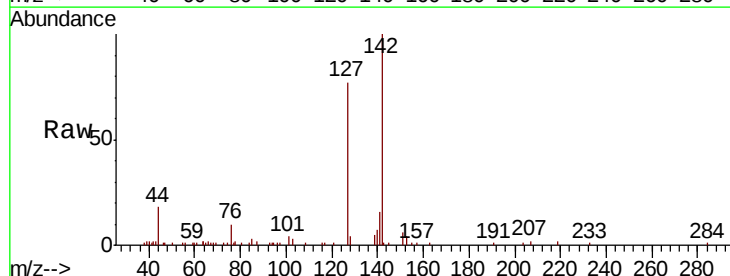
RT: 1.96 min Scan# 145

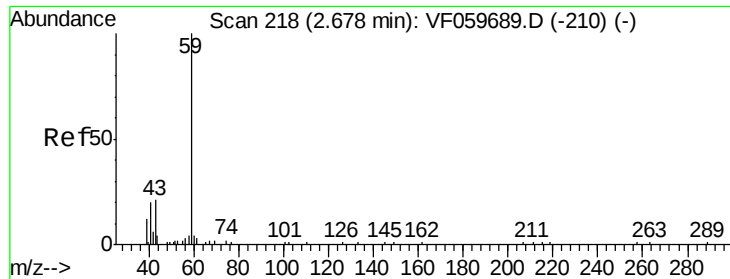
Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Tgt Ion:	142	Resp:	62401
Ion Ratio	Lower	Upper	
142	100		
127	76.7	60.6	91.0
141	15.6	12.0	18.0





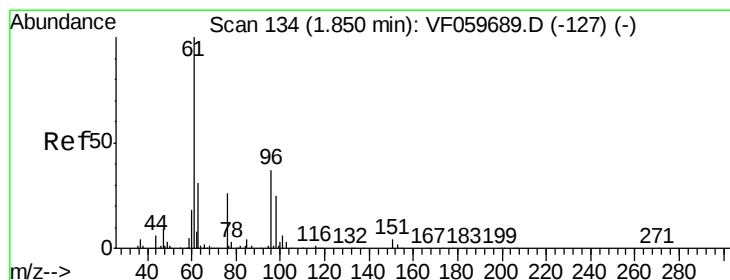
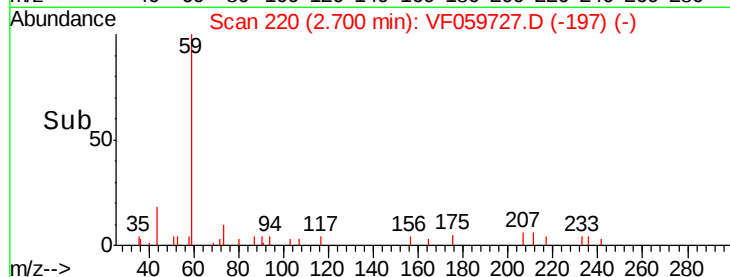
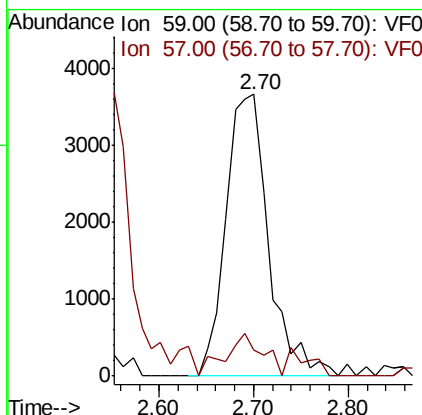
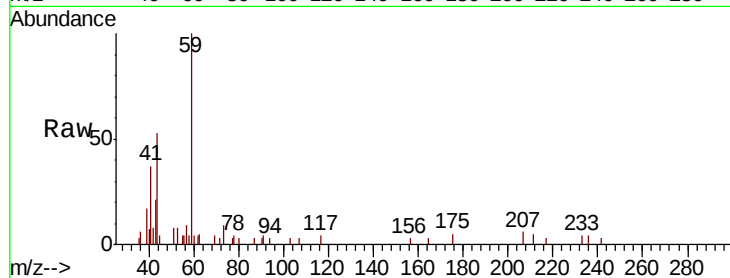
#11
Tert butyl alcohol
Concen: 97.420 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.02 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	11435		
57	57	9.4		7.6	11.4

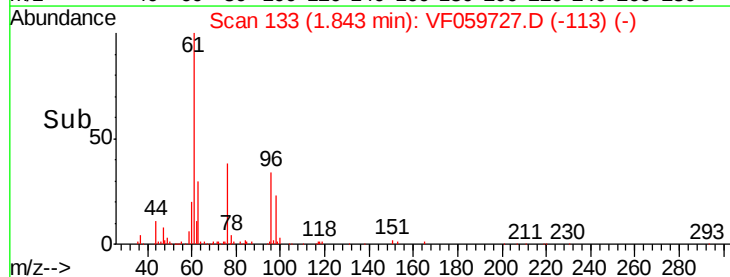
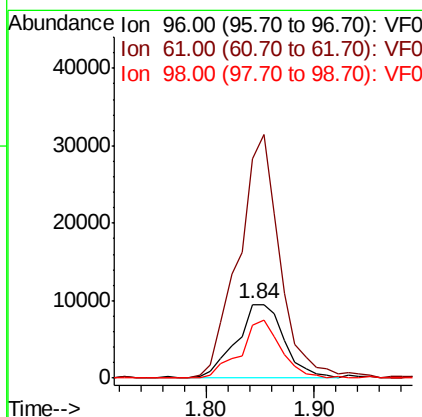
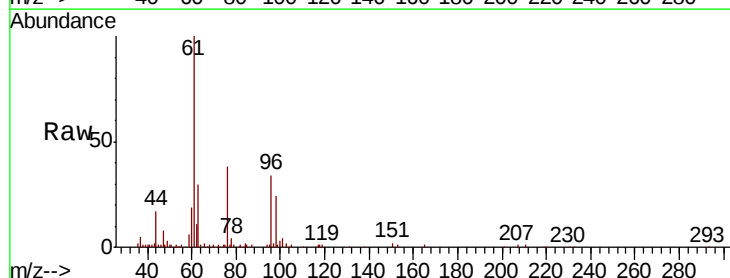
Manual Integrations
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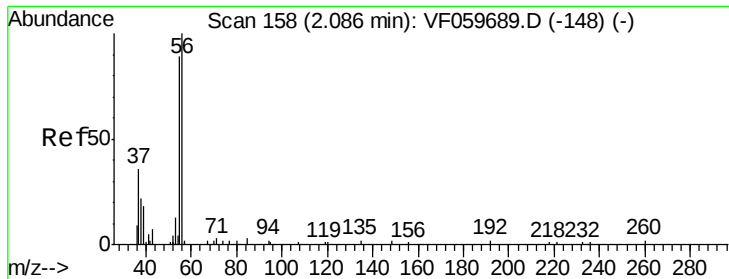
apatel
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#12
1,1-Dichloroethene
Concen: 23.520 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.01 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	29237		
61	61	297.1		215.1	322.7
98	98	71.0		54.3	81.5





#13

Acrolein

Concen: 25.464 ug/l

RT: 2.18 min Scan# 167

Delta R.T. 0.09 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion: 56 Resp: 612

Ion Ratio Lower Upper

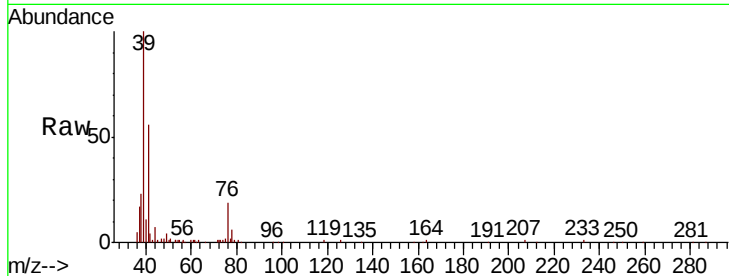
56 100

55 77.2 73.2 109.8

Manual Integrations
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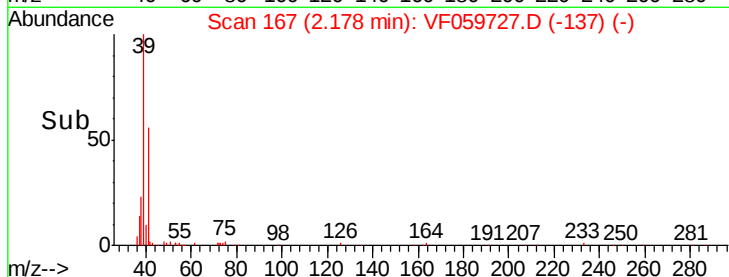
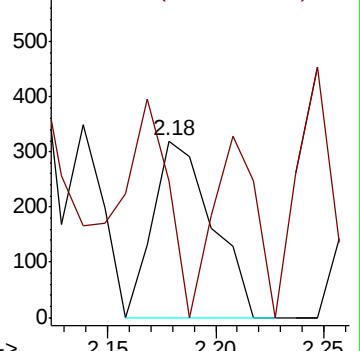
apatel

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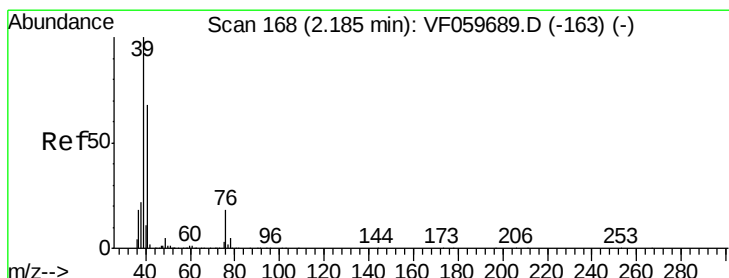


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



Time-->



#14

Allyl chloride

Concen: 22.801 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

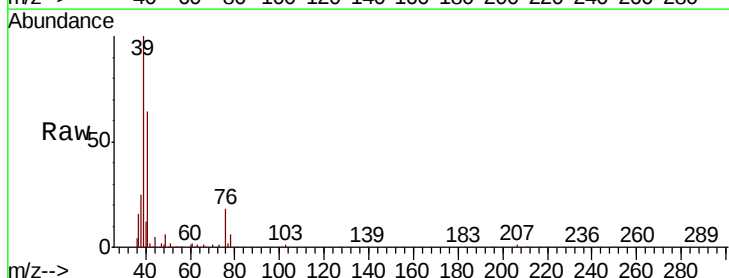
Tgt Ion: 41 Resp: 45252

Ion Ratio Lower Upper

41 100

39 156.1 118.1 177.1

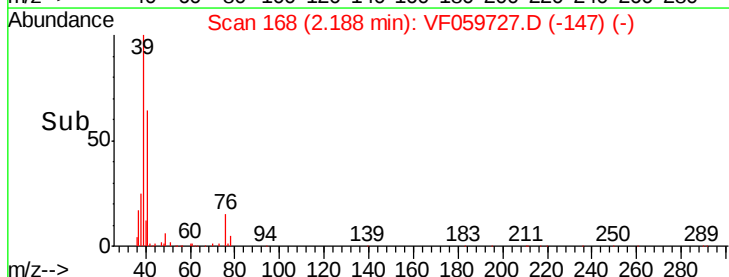
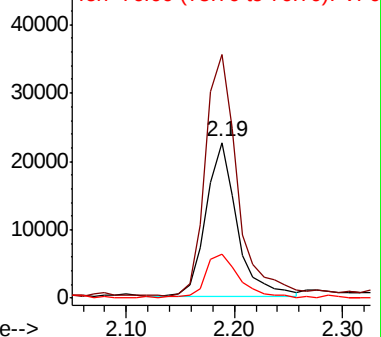
76 28.1 22.0 33.0



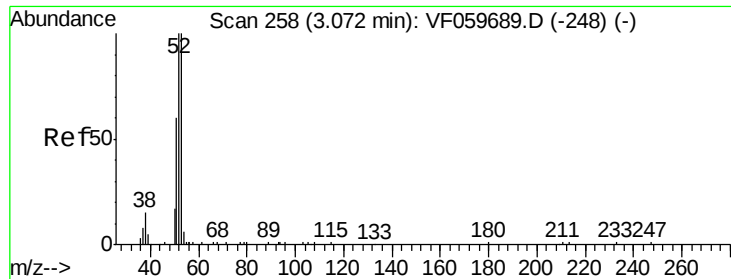
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0



Time-->



#15

Acrylonitrile

Concen: 109.719 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Instrument :

MSVOA_F

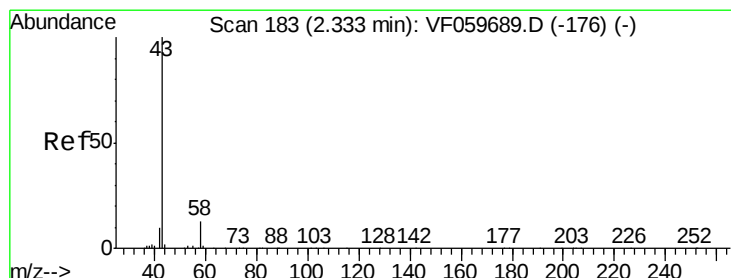
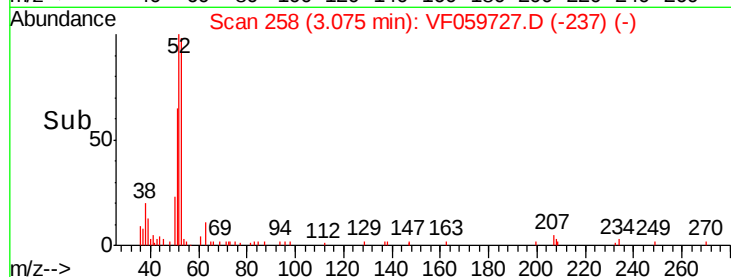
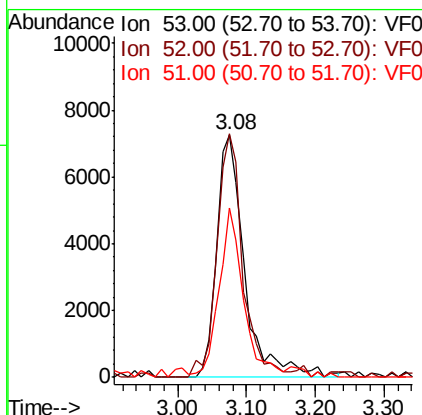
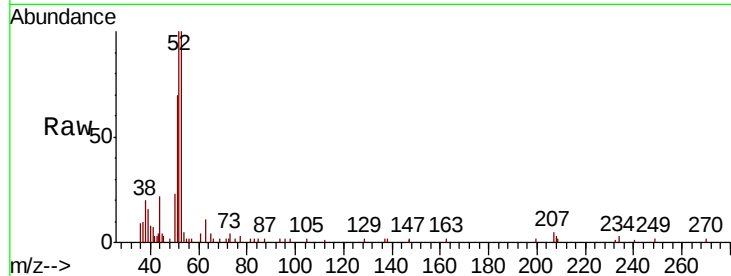
ClientSampleId :

VF0731SBS03

Tot Ion:	53	Resp:	20444
Ion	Ratio	Lower	Upper
53	100		
52	100.3	80.3	120.5
51	69.8	49.4	74.0

Manual Integrations
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#16

Acetone

Concen: 95.326 ug/l

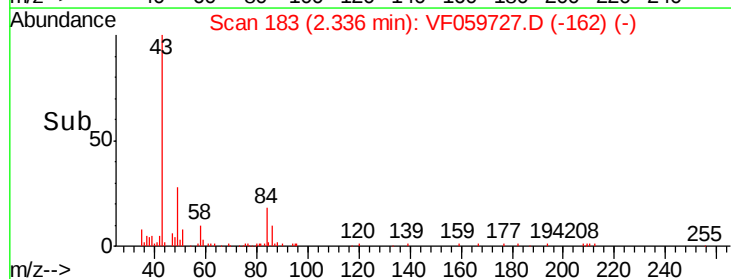
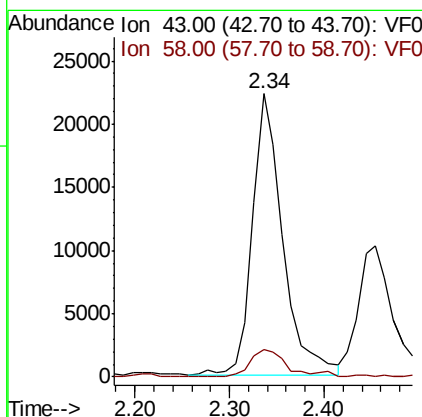
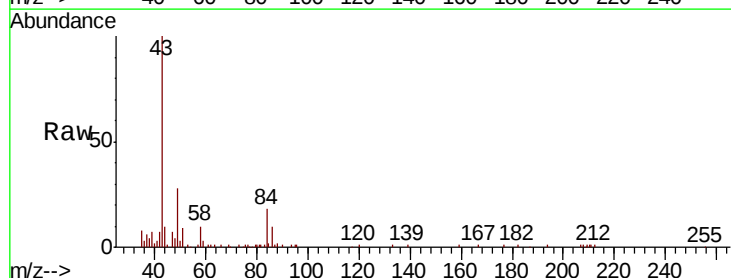
RT: 2.34 min Scan# 183

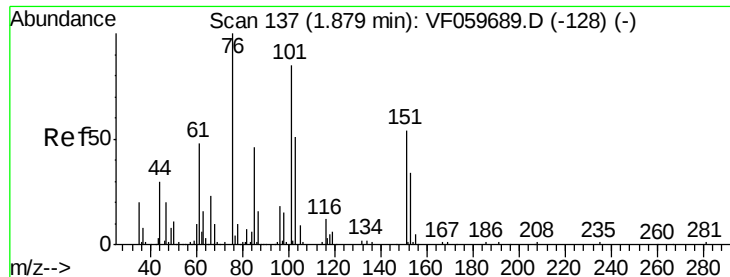
Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Tgt Ion:	43	Resp:	49463
Ion	Ratio	Lower	Upper
43	100		
58	9.8	10.1	15.1#





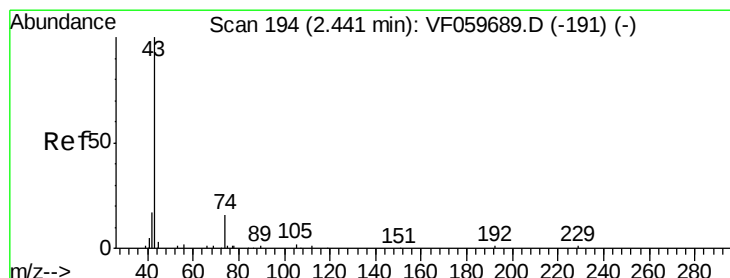
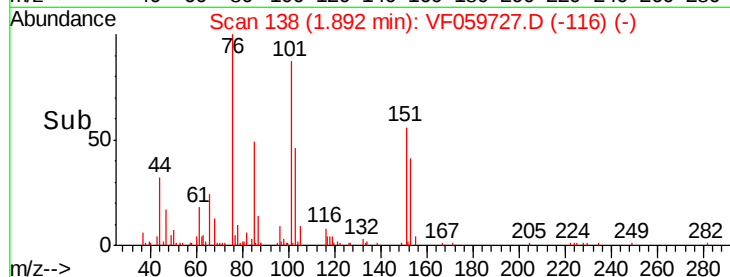
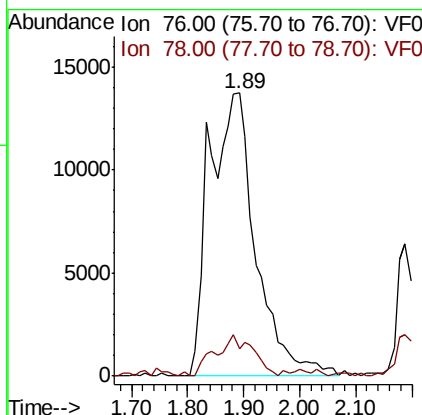
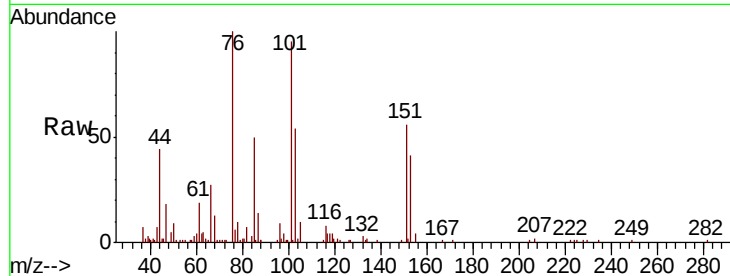
#17
Carbon Disulfide
Concen: 28.852 ug/l m
RT: 1.89 min Scan# 138
Delta R.T. 0.01 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion: 76 Resp: 79294
Ion Ratio Lower Upper
76 100
78 9.6 8.9 13.3

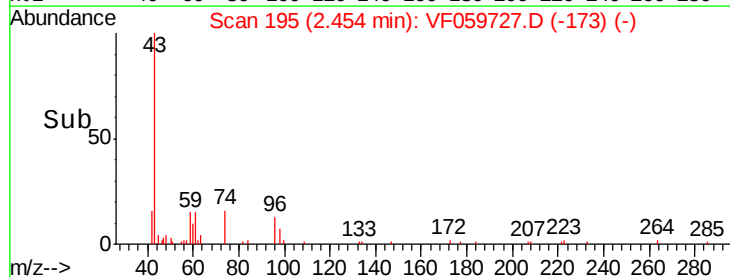
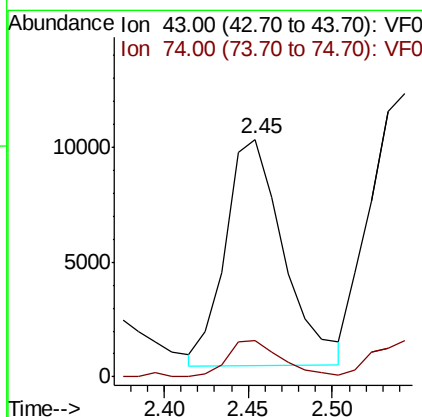
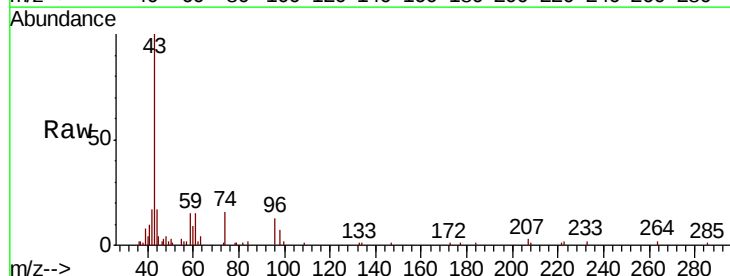
Manual Integrations
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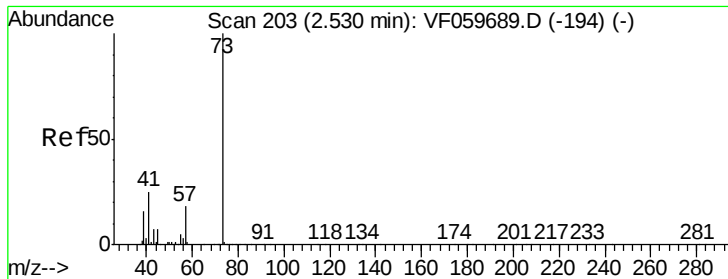
apatel
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#18
Methyl Acetate
Concen: 27.262 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Tgt Ion: 43 Resp: 23775
Ion Ratio Lower Upper
43 100
74 15.5 11.8 17.6





#19

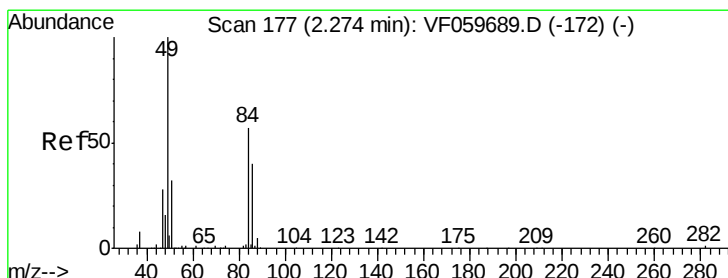
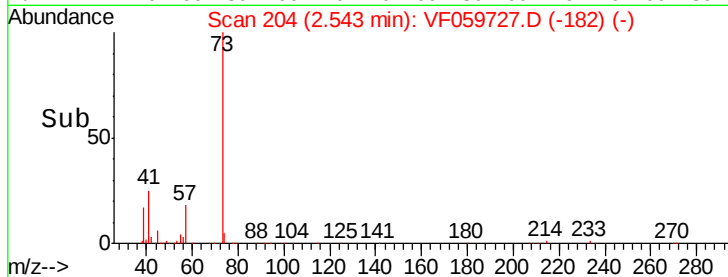
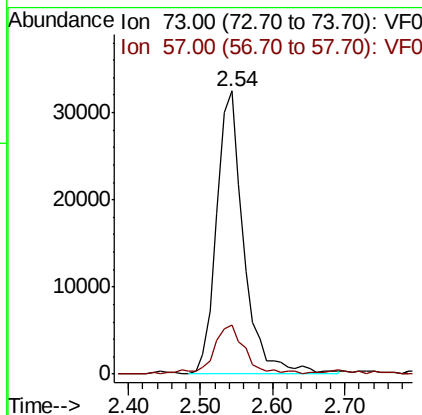
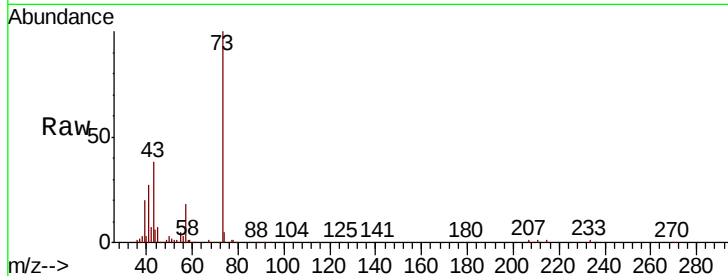
Methyl tert-butyl Ether
 Concen: 22.316 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.01 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS03

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.6	14.2	21.2

Manual Integrations
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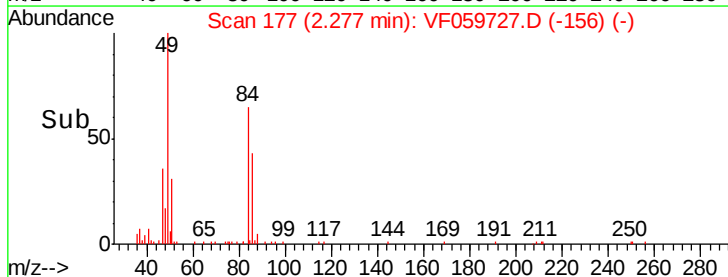
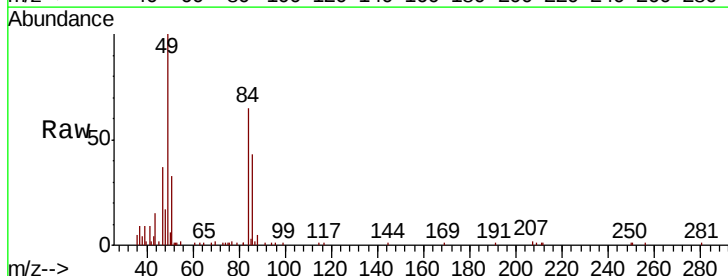
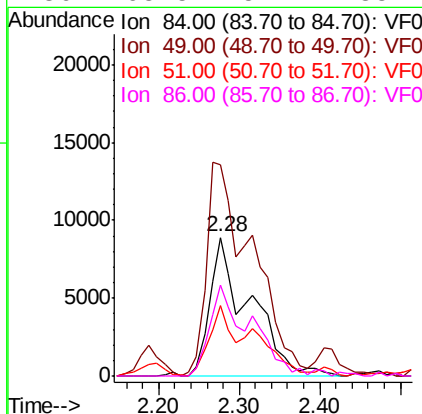
apatel
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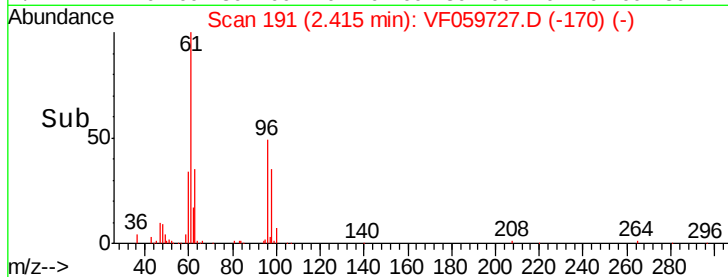
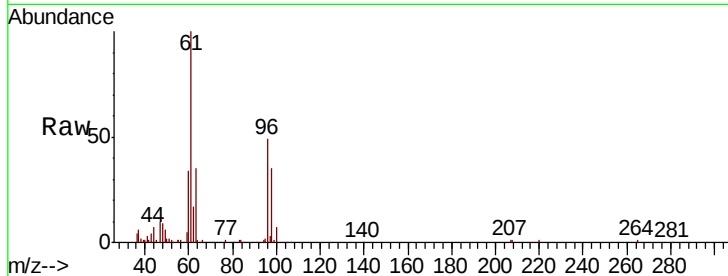
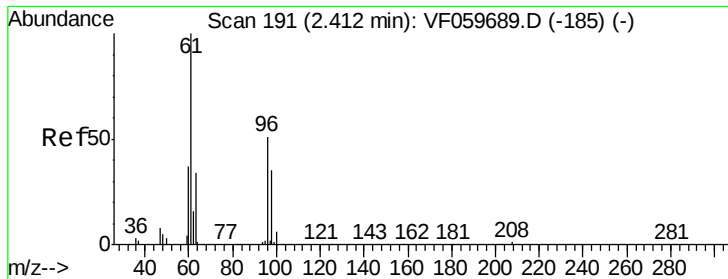


#20

Methylene Chloride
 Concen: 23.577 ug/l m
 RT: 2.28 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.8	142.2	213.4
51	50.8	46.2	69.2
86	65.5	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 25.371 ug/l

RT: 2.41 min Scan# 191

Delta R.T. 0.00 min

Lab File: VF059727.D

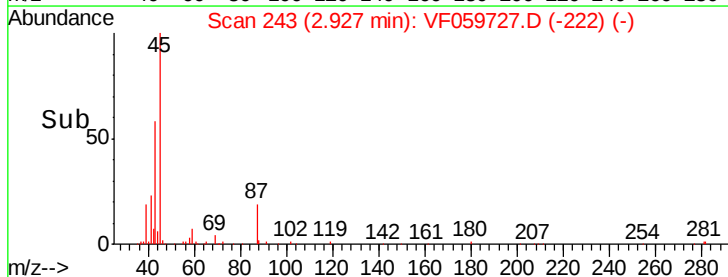
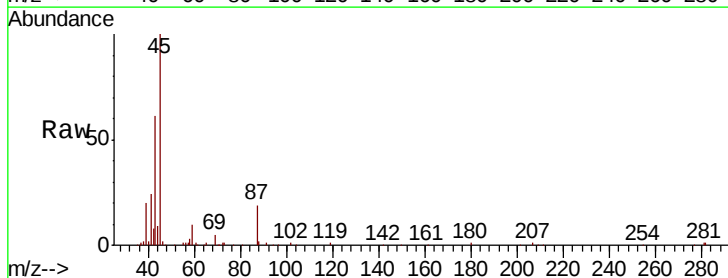
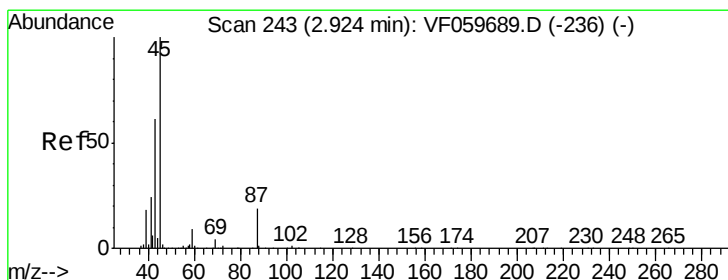
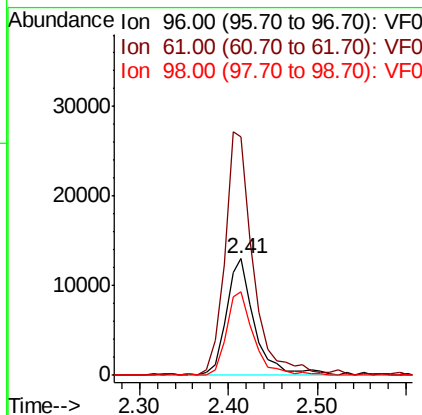
Acq: 1 Aug 2018 1:22

Tot Ion:	96	Resp:	28974
Ion Ratio	Lower	Upper	
96	100		
61	205.5	157.4	236.0
98	72.2	55.0	82.4

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.178 ug/l

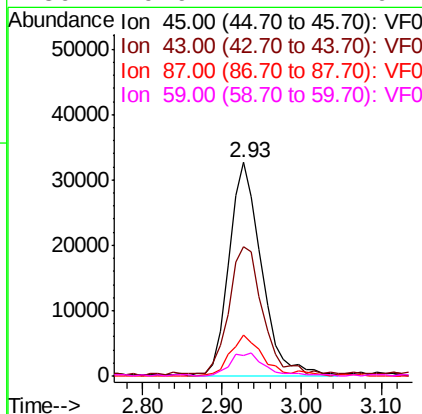
RT: 2.93 min Scan# 243

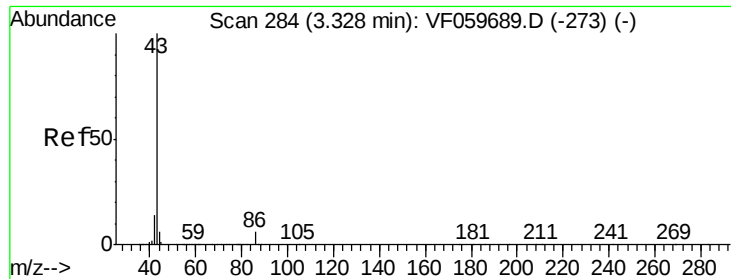
Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Tgt Ion:	45	Resp:	93081
Ion Ratio	Lower	Upper	
45	100		
43	60.5	49.3	73.9
87	19.1	15.3	22.9
59	9.9	7.1	10.7





#23

Vinyl Acetate

Concen: 97.112 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion: 43 Resp: 209546

Ion Ratio Lower Upper

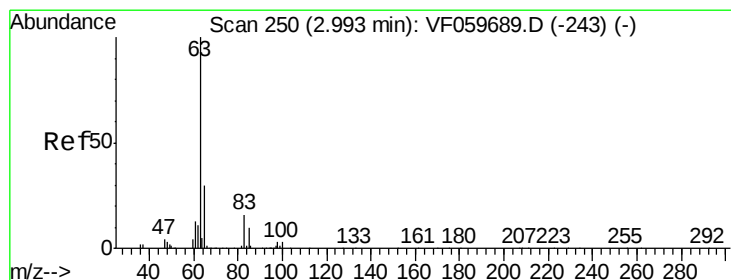
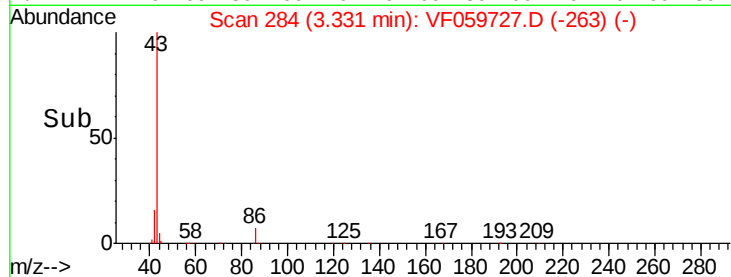
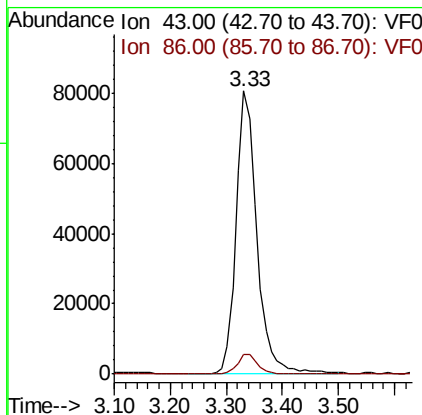
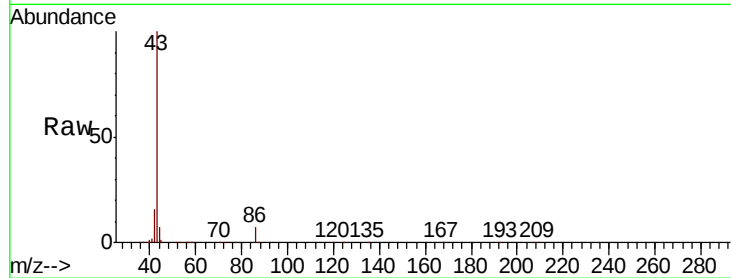
43 100

86 7.1 4.6 6.8#

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 24.539 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

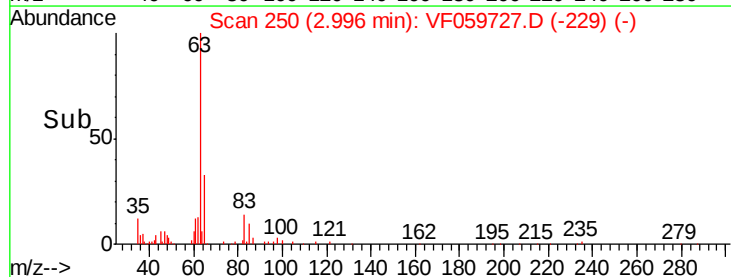
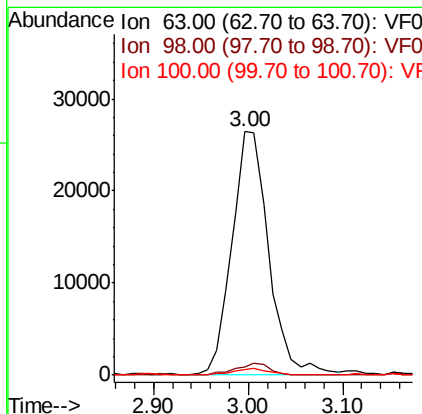
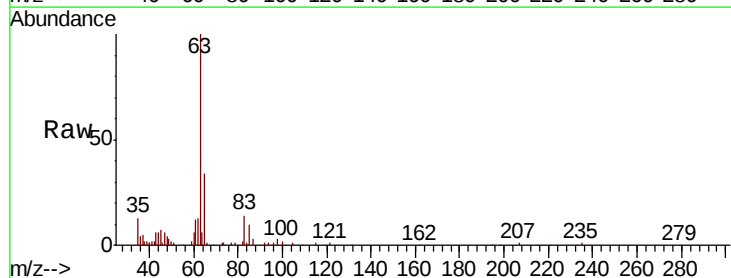
Tgt Ion: 63 Resp: 71552

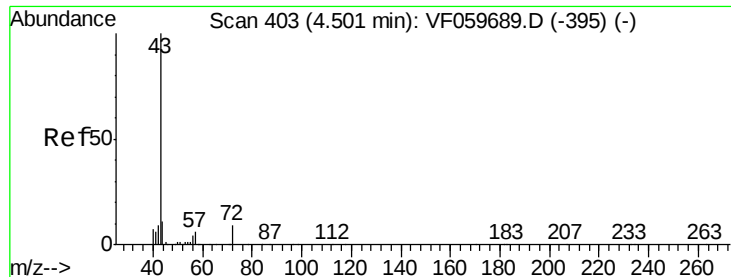
Ion Ratio Lower Upper

63 100

98 3.5 1.4 4.2

100 2.2 1.6 4.7





#25

2-Butanone

Concen: 87.699 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion: 43 Resp: 50784

Ion Ratio Lower Upper

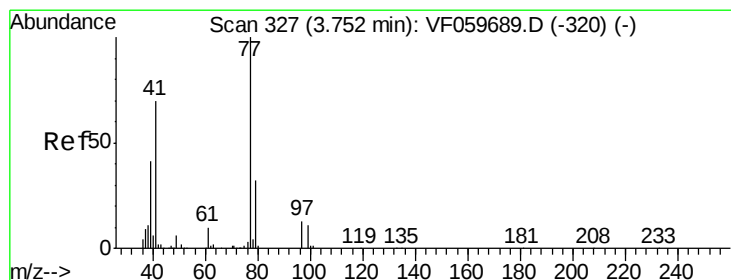
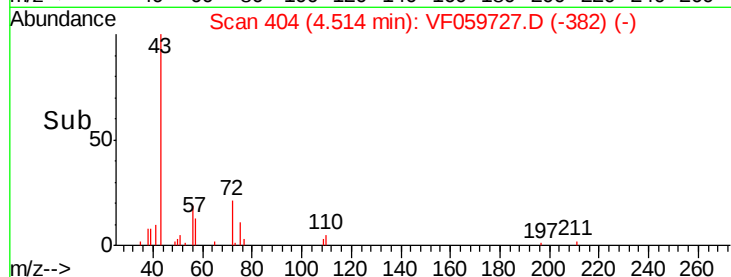
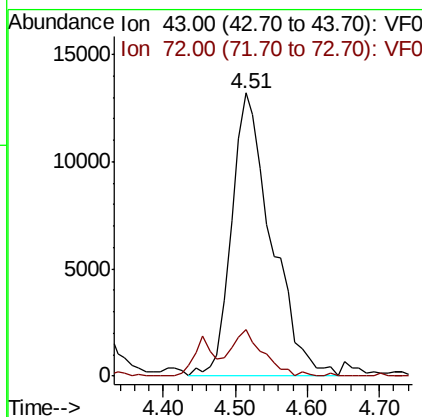
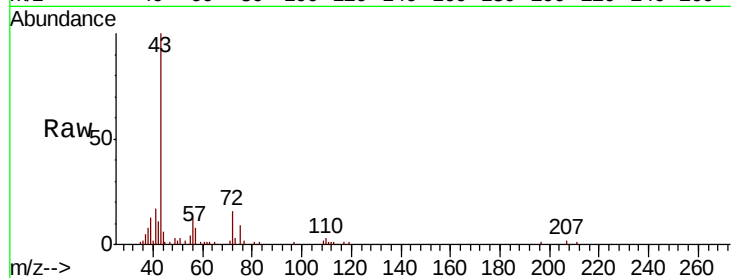
43 100

72 16.4 7.7 11.5#

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 23.181 ug/l

RT: 3.77 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059727.D

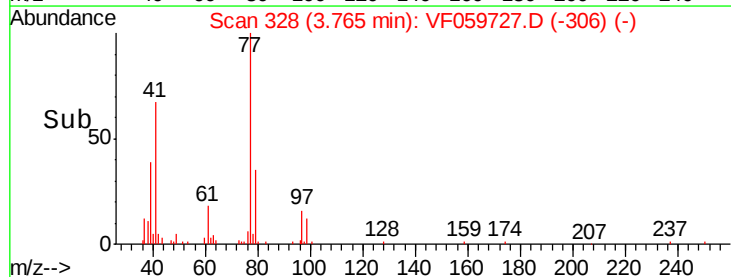
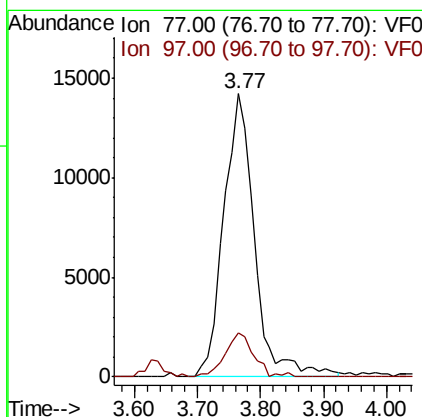
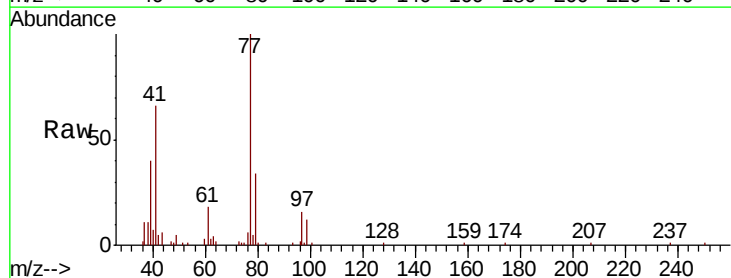
Acq: 1 Aug 2018 1:22

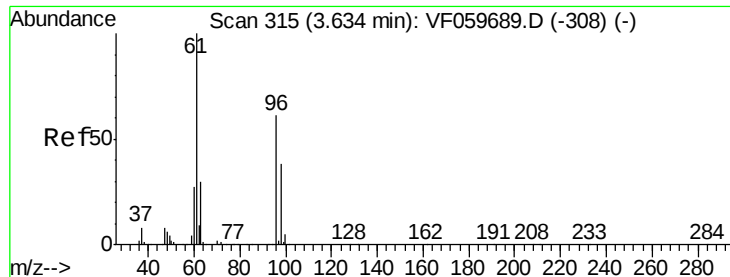
Tgt Ion: 77 Resp: 48185

Ion Ratio Lower Upper

77 100

97 15.7 6.8 20.4





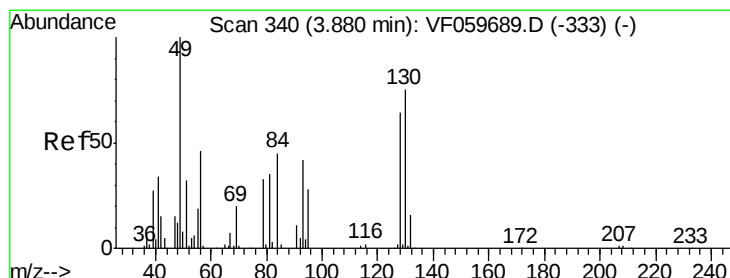
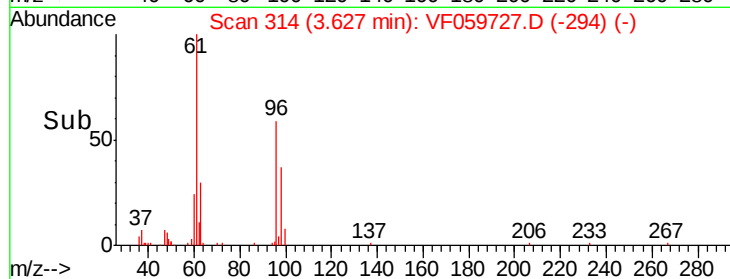
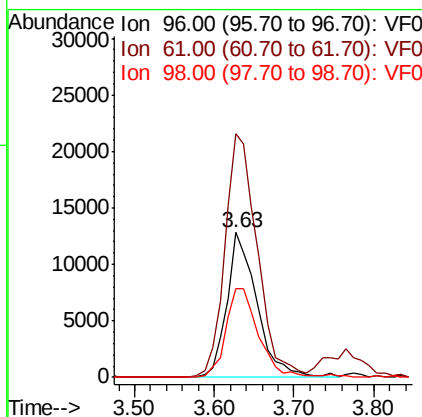
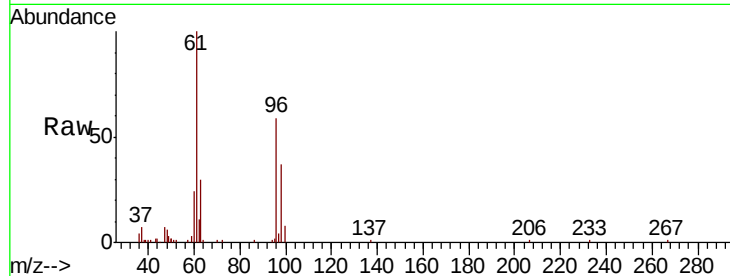
#27
 cis-1,2-Dichloroethene
 Concen: 21.716 ug/l
 RT: 3.63 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS03

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	168.6	0.0	326.8	
98	61.8	0.0	125.2	

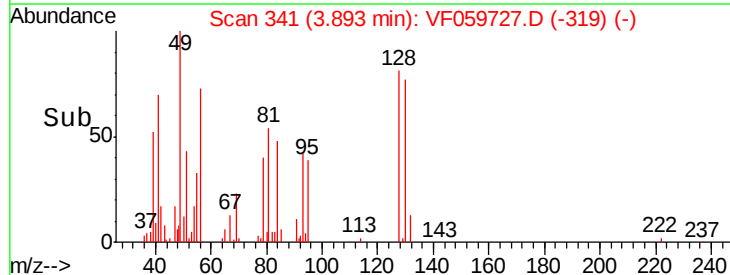
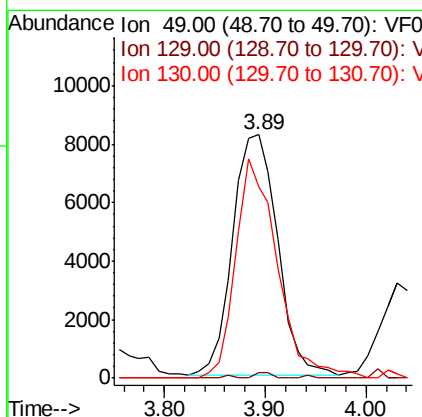
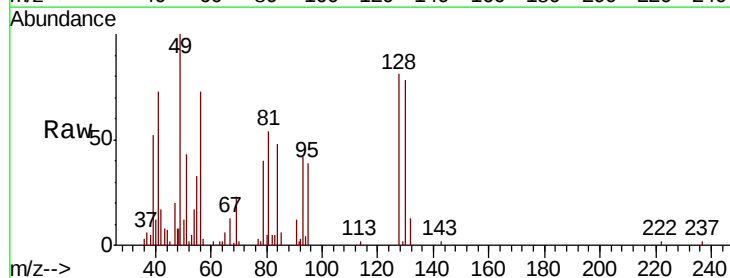
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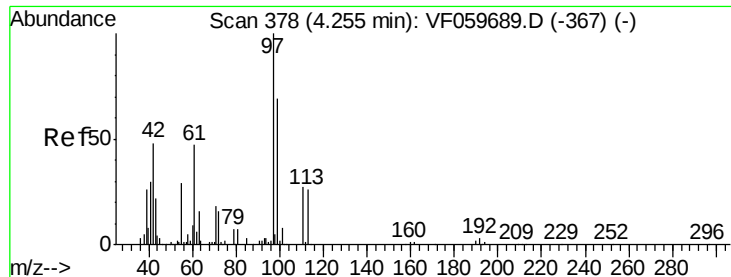
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#28
 Bromochloromethane
 Concen: 22.448 ug/l
 RT: 3.89 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.1	0.0	4.8	
130	78.5	59.6	89.4	





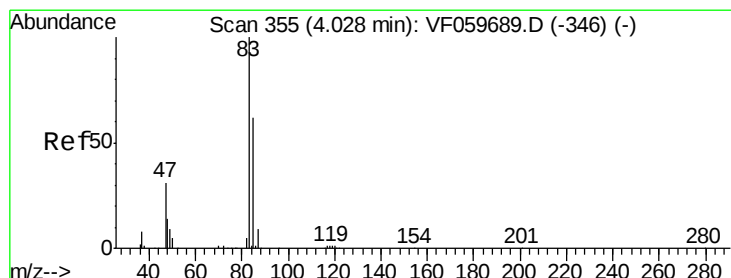
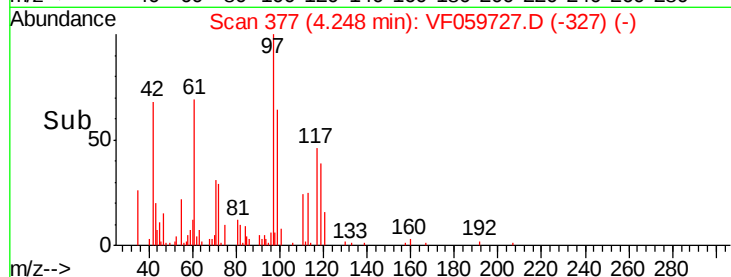
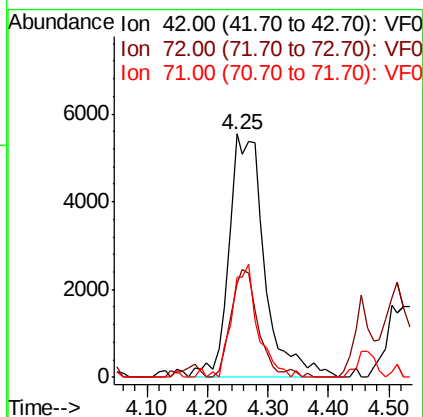
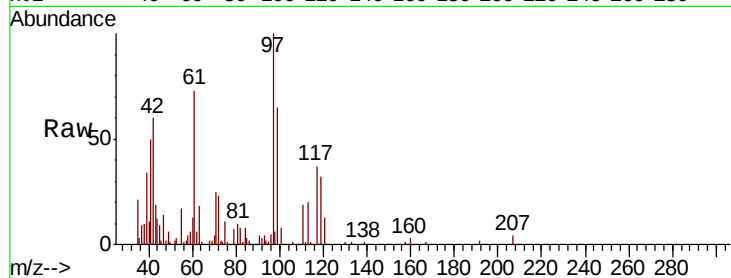
#29
Tetrahydrofuran
Concen: 101.297 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	42	Resp	22545
Ion Ratio	Lower	Upper	
42	100		
72	34.3	27.0	40.6
71	33.6	29.7	44.5

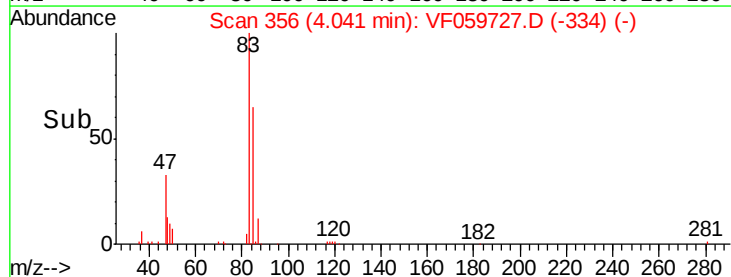
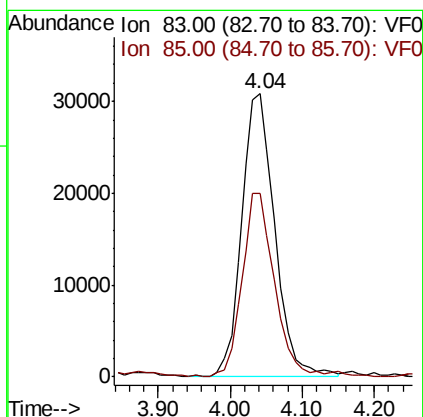
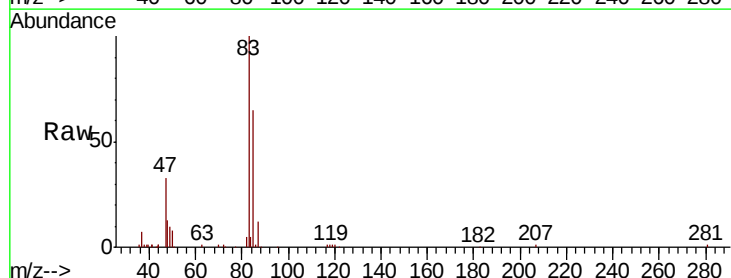
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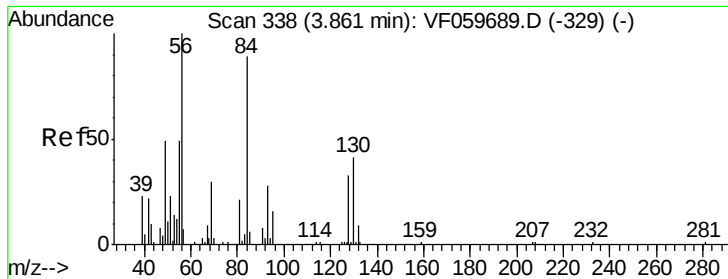
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#30
Chloroform
Concen: 23.949 ug/l
RT: 4.04 min Scan# 356
Delta R.T. 0.01 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Tgt Ion	83	Resp	98557
Ion Ratio	Lower	Upper	
83	100		
85	65.7	49.4	74.0





#31

Cyclohexane

Concen: 23.468 ug/l

RT: 3.86 min Scan# 338

Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Instrument :

MSVOA_F

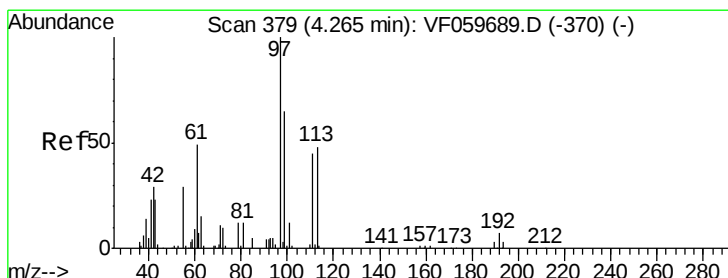
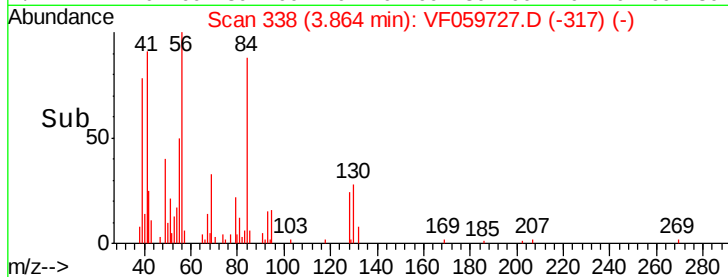
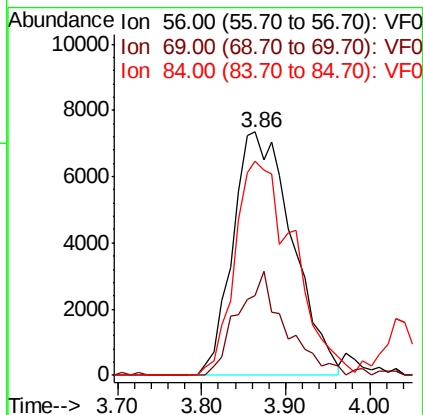
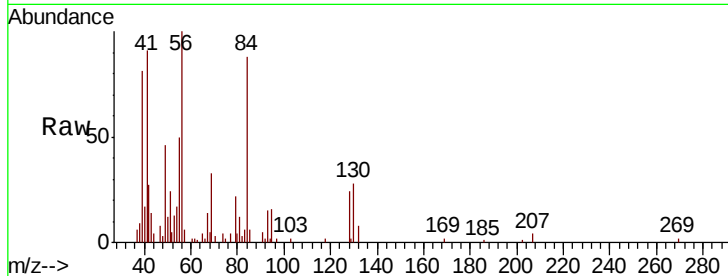
ClientSampleId :

VF0731SBS03

Tot Ion:	56	Resp:	36257
Ion Ratio	Lower	Upper	
56	100		
69	32.8	23.7	35.5
84	88.0	71.1	106.7

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#32

1,1,1-Trichloroethane

Concen: 25.557 ug/l

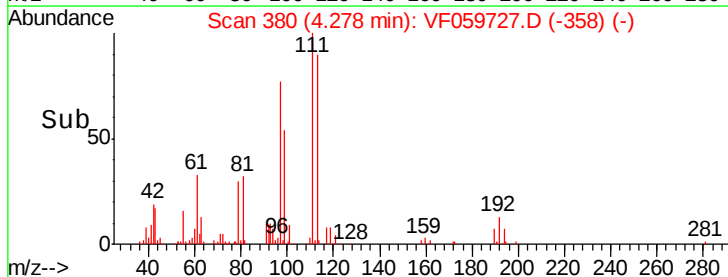
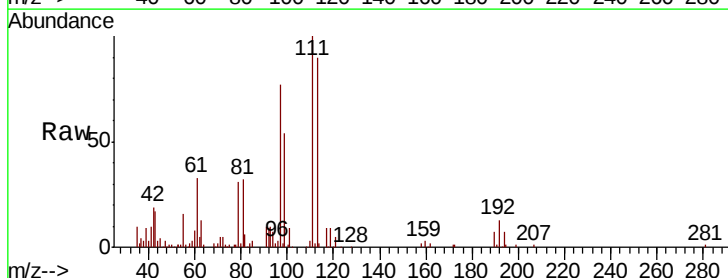
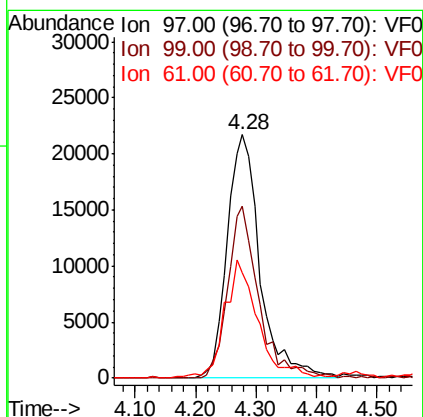
RT: 4.28 min Scan# 380

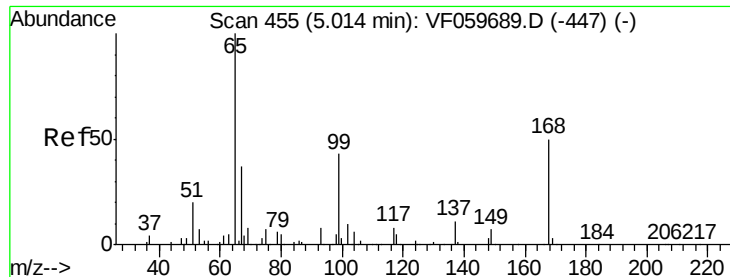
Delta R.T. 0.01 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Tgt Ion:	97	Resp:	81583
Ion Ratio	Lower	Upper	
97	100		
99	70.4	52.4	78.6
61	43.4	39.7	59.5





#33

1,2-Dichloroethane-d4

Concen: 52.739 ug/l

RT: 5.03 min Scan# 456

Delta R.T. 0.01 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion: 65 Resp: 152140

Ion Ratio Lower Upper

65 100

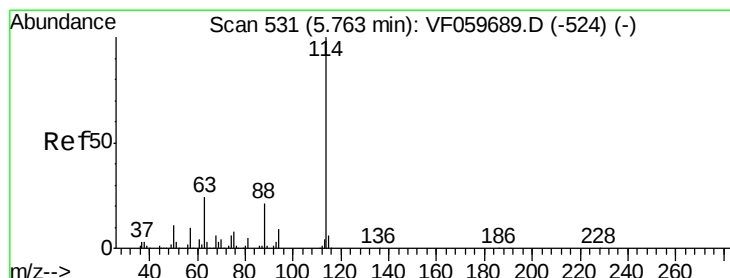
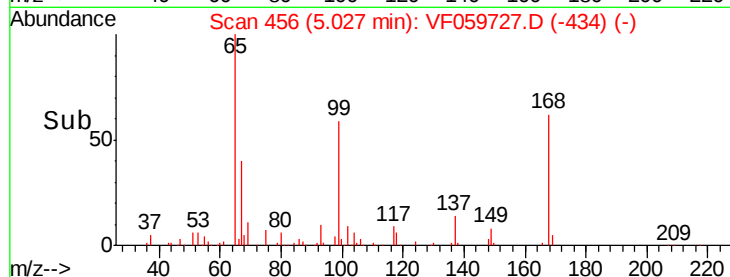
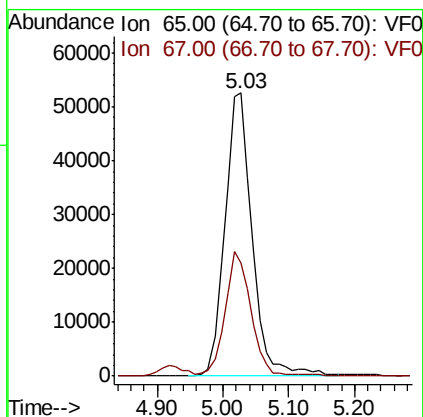
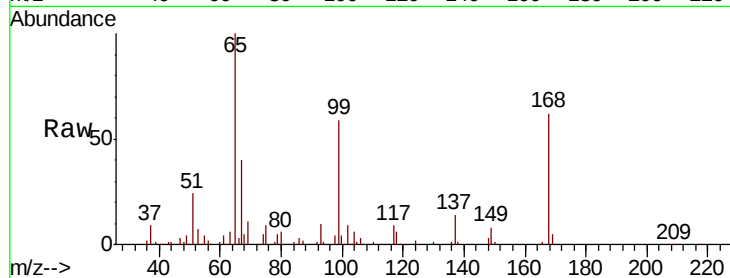
67 39.8 0.0 84.6

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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: VF059727.D

Acq: 1 Aug 2018 1:22

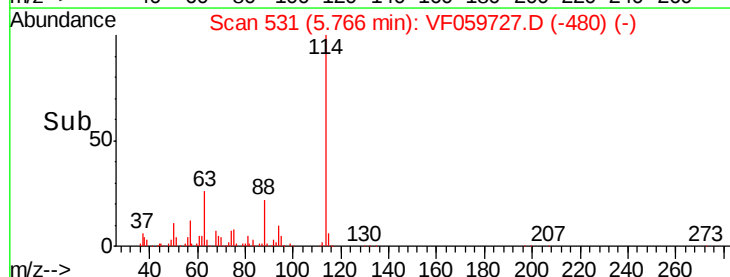
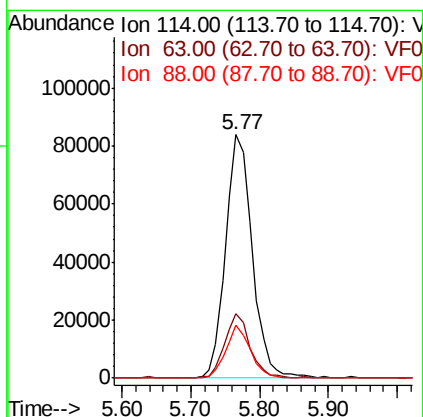
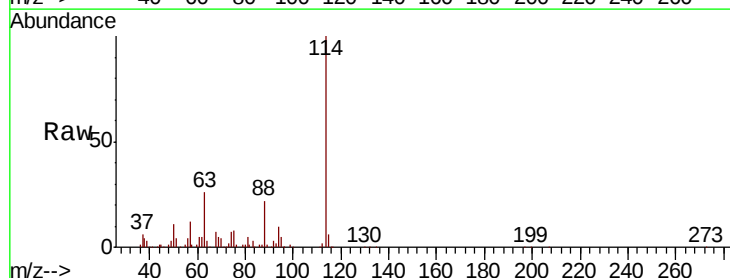
Tgt Ion: 114 Resp: 225512

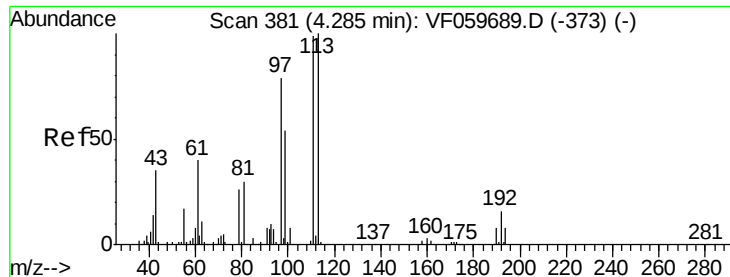
Ion Ratio Lower Upper

114 100

63 26.3 0.0 47.4

88 21.7 0.0 41.2





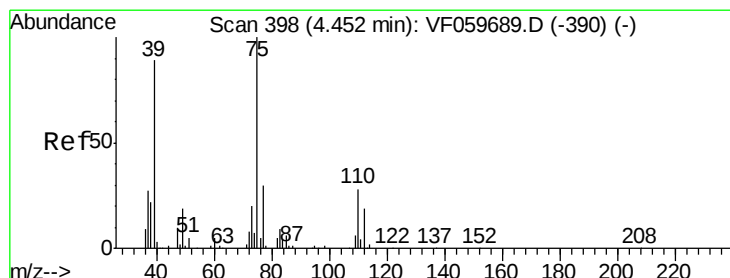
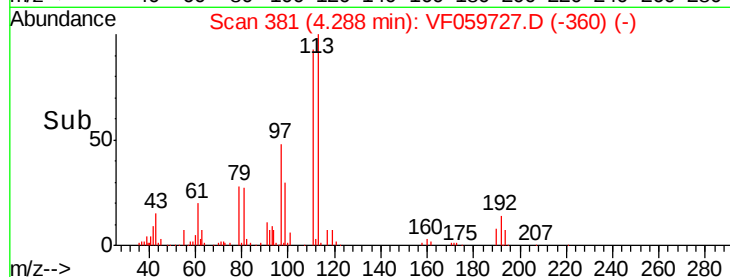
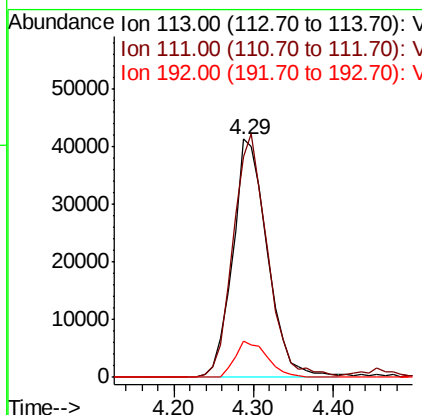
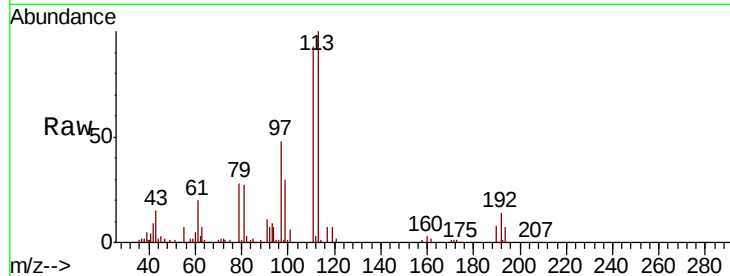
#35
 Dibromofluoromethane
 Concen: 53.250 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS03

Tot Ion	Ratio	Lower	Upper
113	100		
111	92.7	79.0	118.4
192	15.1	13.2	19.8

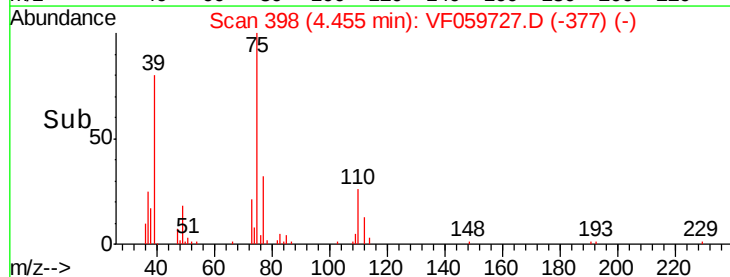
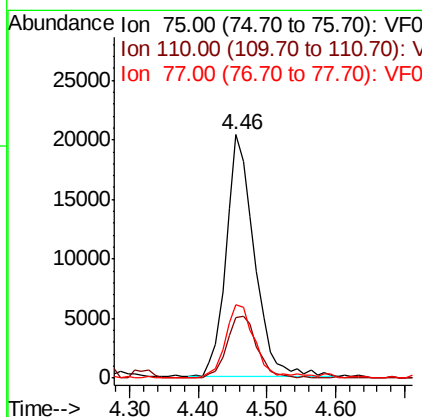
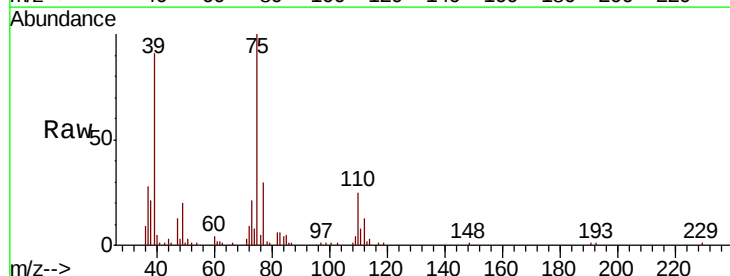
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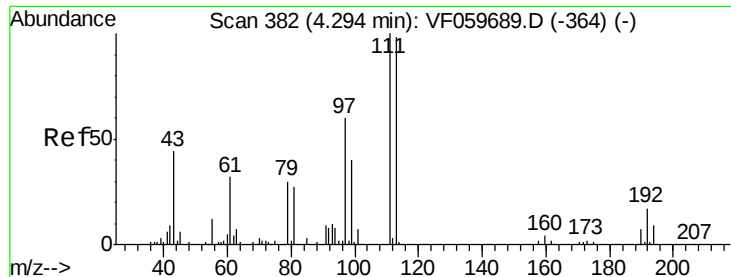
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#36
 1,1-Dichloropropene
 Concen: 23.060 ug/l
 RT: 4.46 min Scan# 398
 Delta R.T. 0.00 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	24.7	14.0	41.9
77	30.3	24.2	36.2





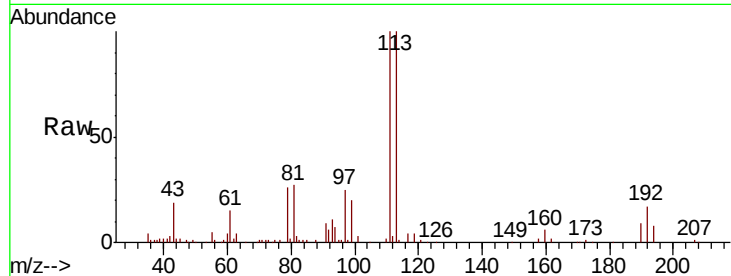
#37
Ethyl Acetate
Concen: 19.534 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

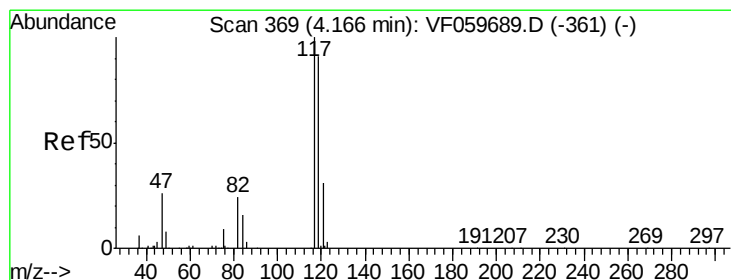
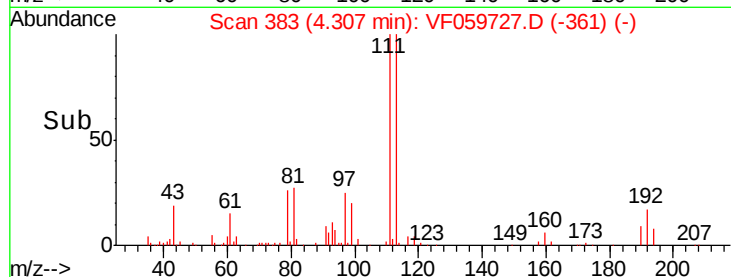
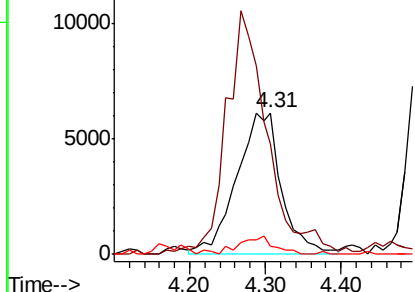
Tot Ion	Ratio	Lower	Upper
43	100		
61	78.3	58.2	87.2
70	5.9	6.0	9.0#

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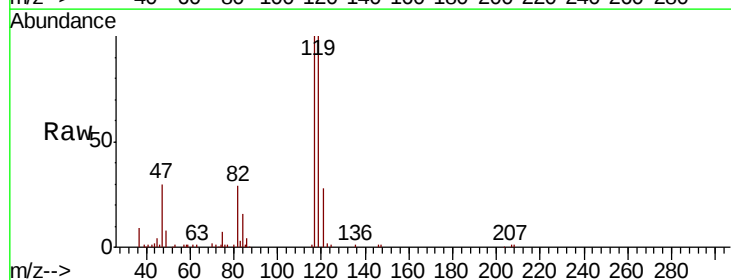


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

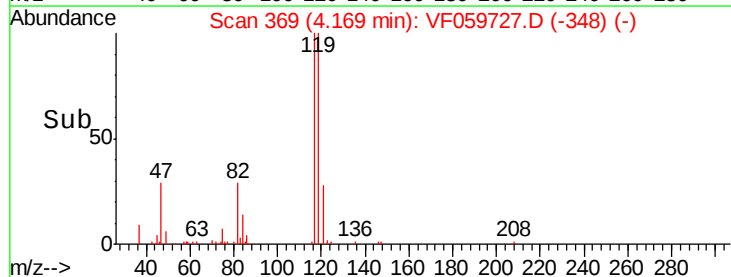
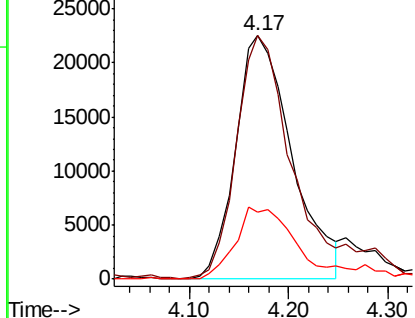


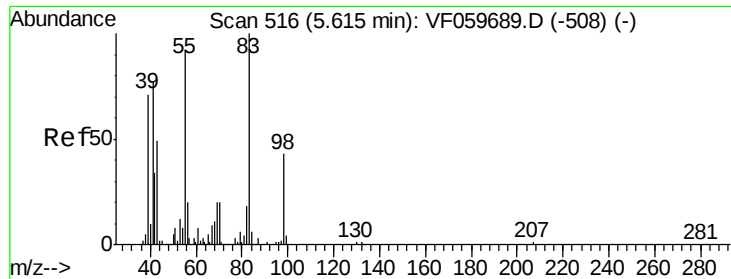
#38
Carbon Tetrachloride
Concen: 24.928 ug/l m
RT: 4.17 min Scan# 369
Delta R.T. 0.00 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.8	72.9	109.3
121	27.7	25.0	37.4



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V





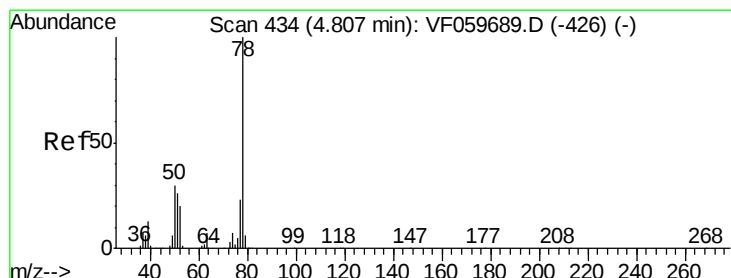
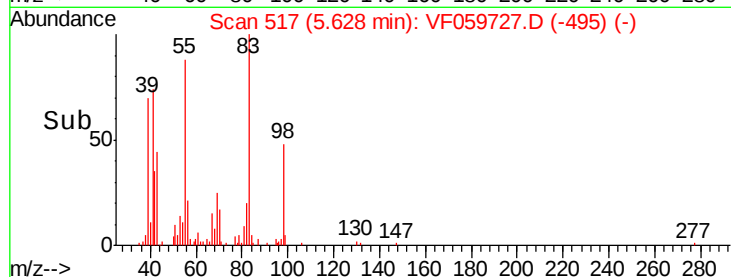
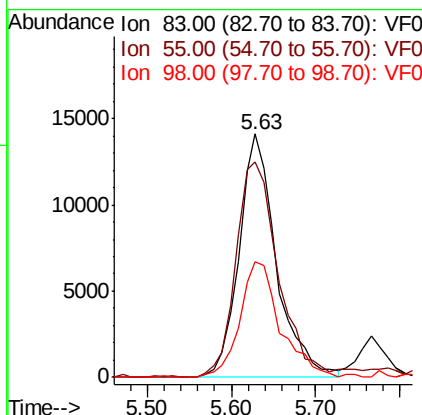
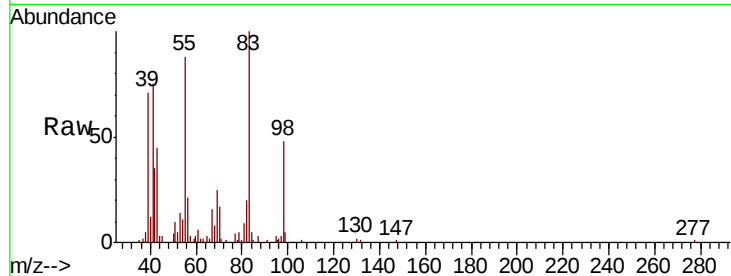
#39
Methvlcvclohexane
Concen: 22.719 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.3	73.4	110.2
98	47.5	34.2	51.4

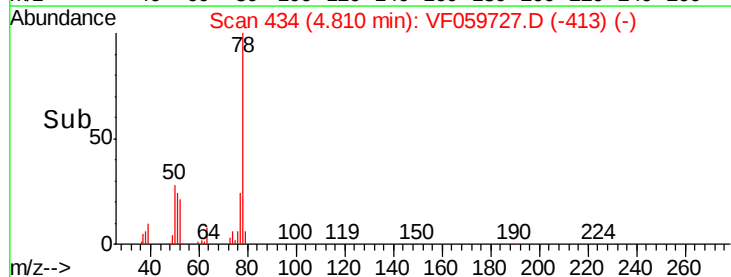
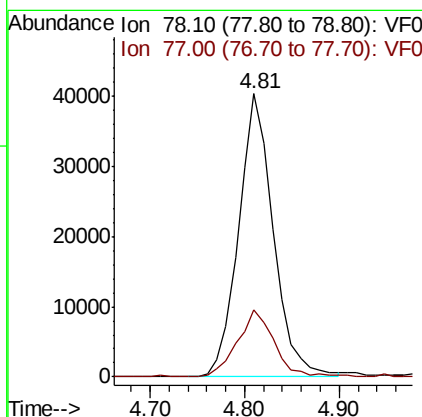
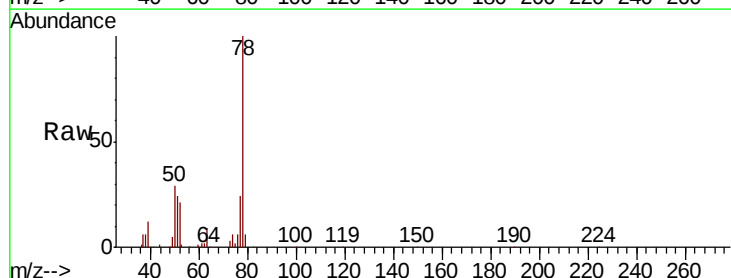
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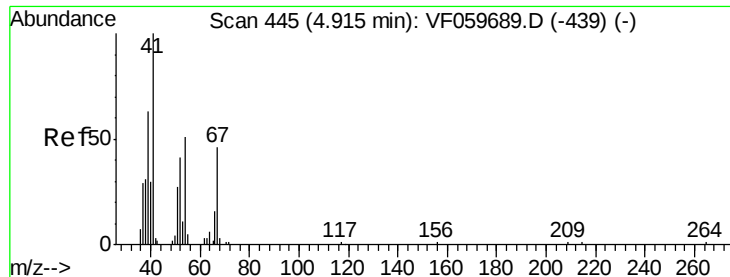
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#40
Benzene
Concen: 22.498 ug/l
RT: 4.81 min Scan# 434
Delta R.T. 0.00 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.9	28.3





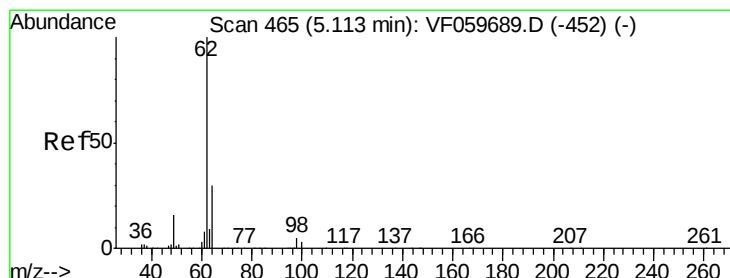
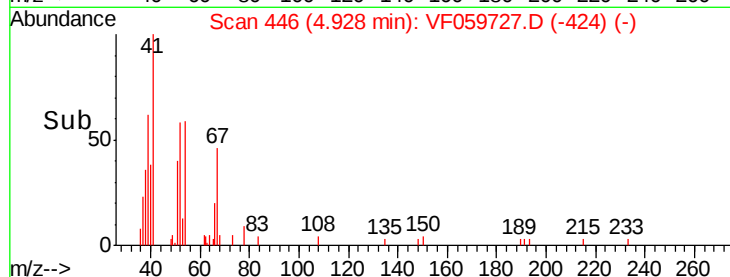
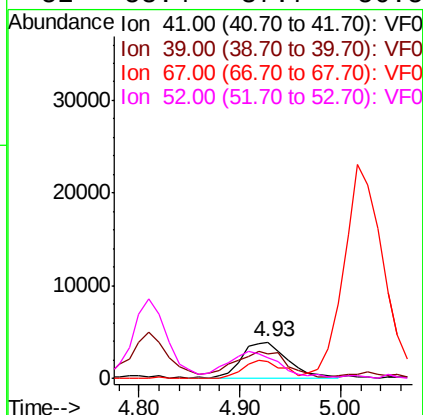
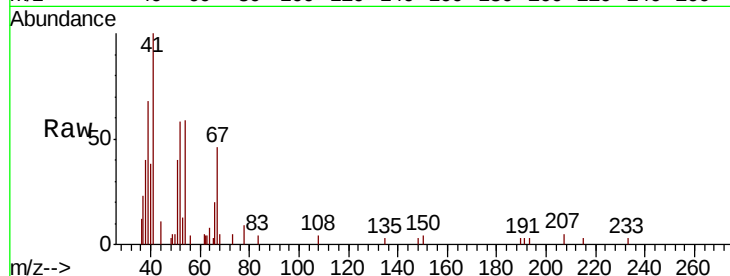
#41
Methacrylonitrile
Concen: 20.090 ug/l
RT: 4.93 min Scan# 446
Delta R.T. 0.01 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ratio	Lower	Upper
41	100		
39	68.3	55.2	82.8
67	46.4	36.2	54.2
52	58.4	37.7	56.5

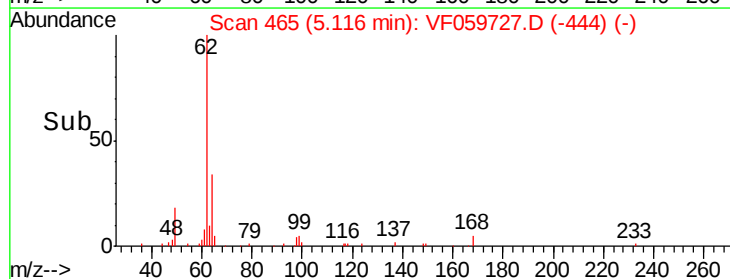
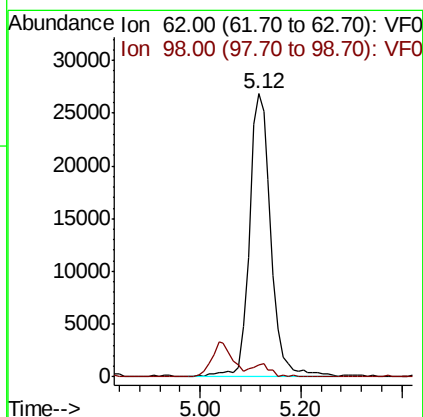
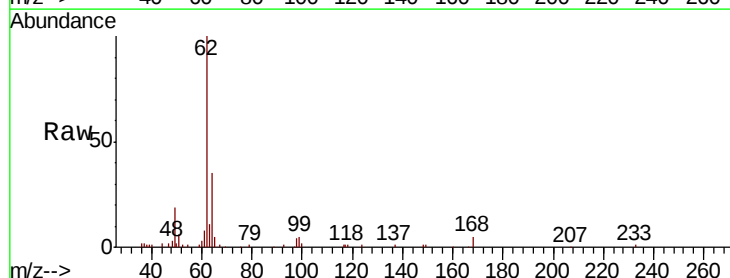
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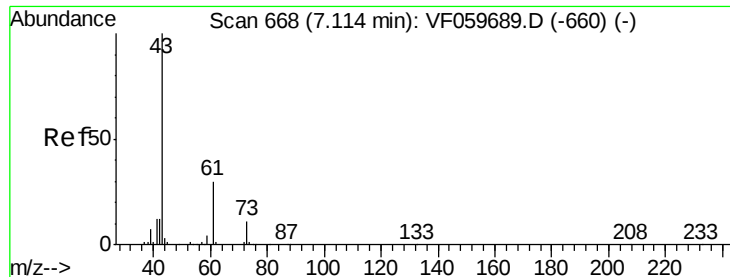
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#42
1,2-Dichloroethane
Concen: 25.133 ug/l
RT: 5.12 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.3	0.0	9.6





#43

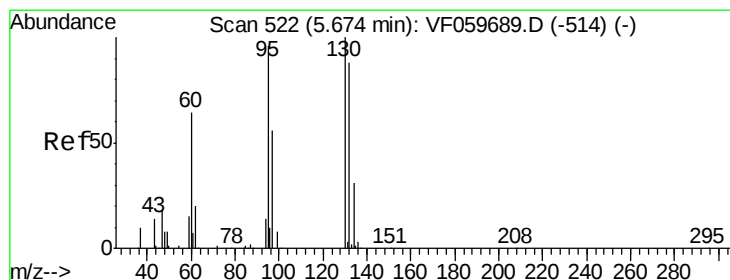
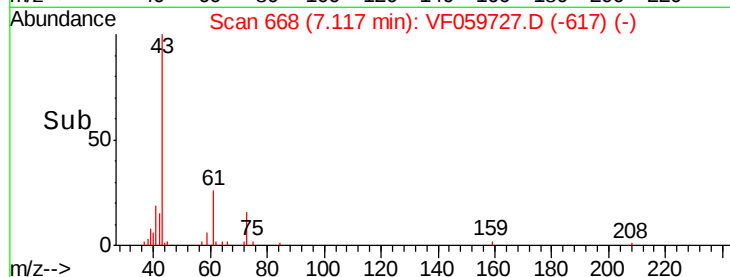
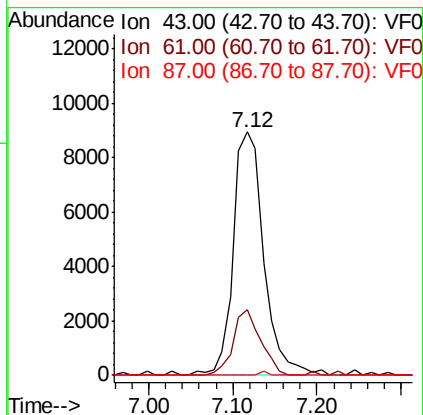
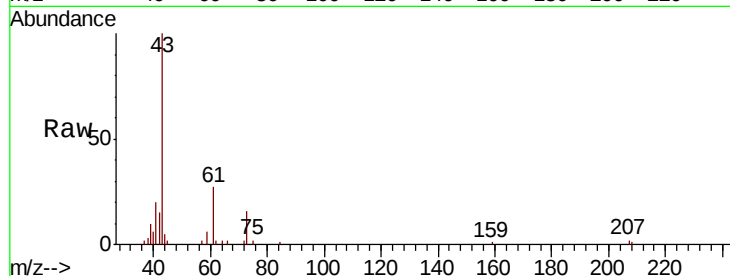
Isopropyl Acetate
 Concen: 16.823 ug/l
 RT: 7.12 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.8	23.8	35.8
87	0.0	0.6	1.0

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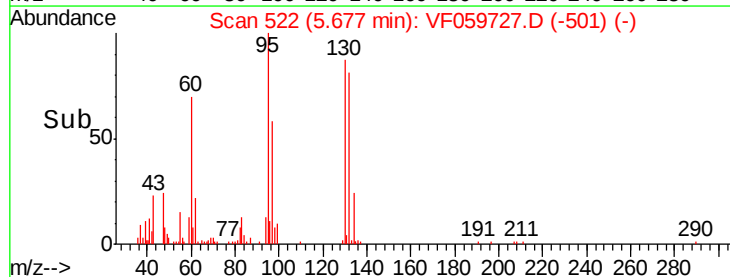
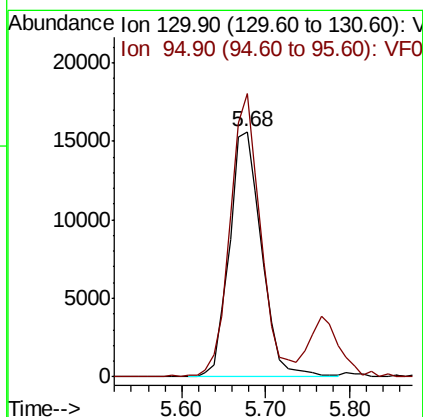
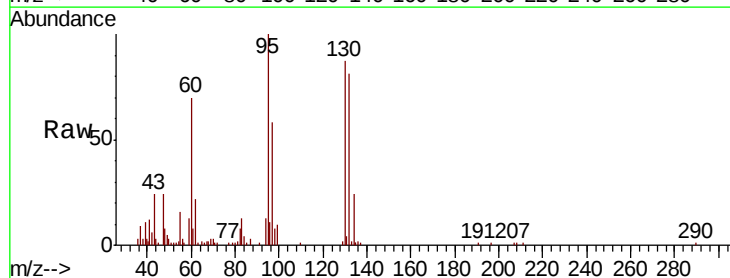
apatel
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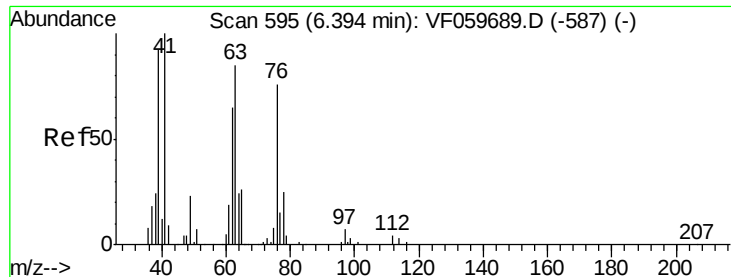


#44

Trichloroethene
 Concen: 24.516 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. 0.00 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	115.4	0.0	191.0





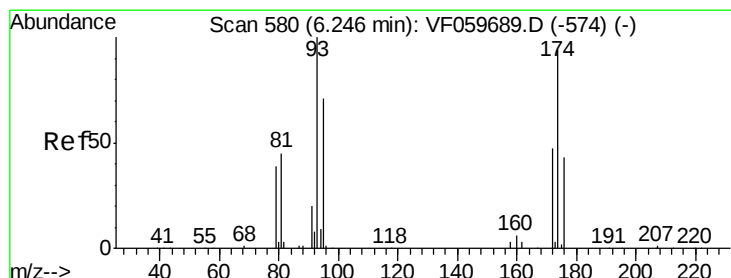
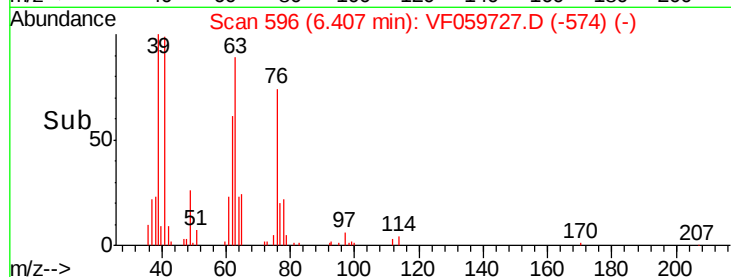
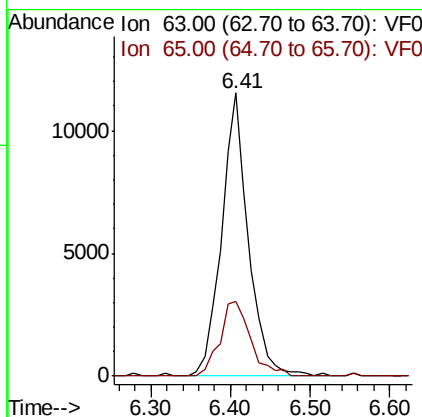
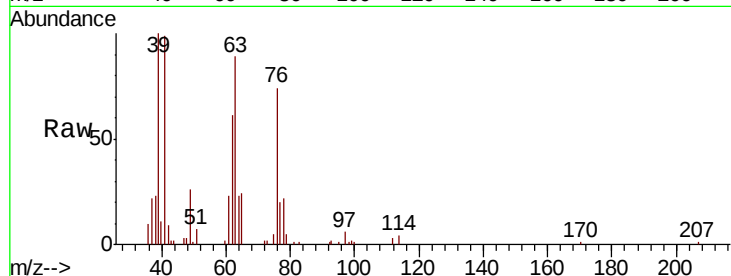
#45
 1,2-Dichloropropane
 Concen: 22.548 ug/l
 RT: 6.41 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS03

Tot Ion	Ratio	Resp	Lower	Upper
63	100	27118		
65	26.5		25.2	37.8

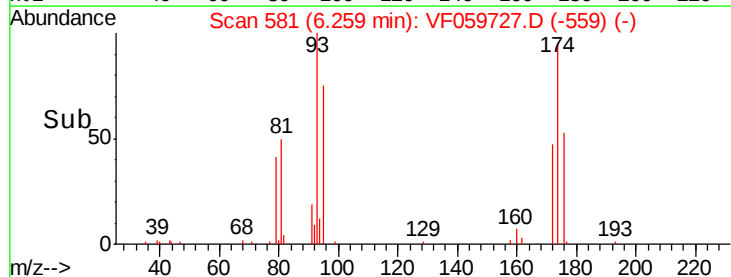
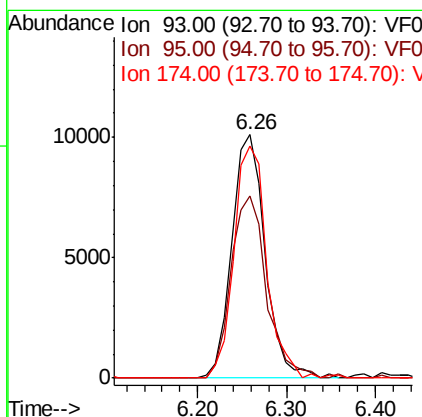
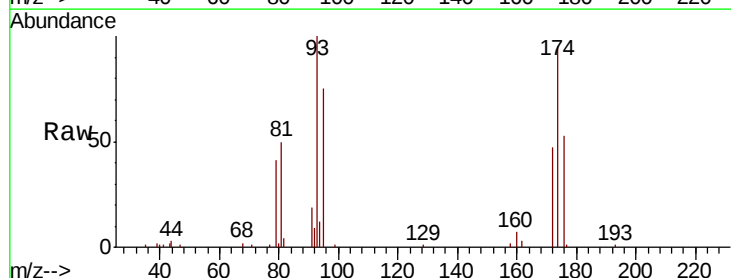
Manual Integrations
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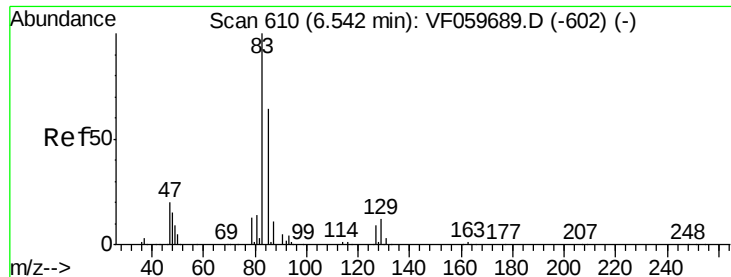
apatel
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#46
 Dibromomethane
 Concen: 23.117 ug/l
 RT: 6.26 min Scan# 581
 Delta R.T. 0.01 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	26396		
95	74.7		57.1	85.7
174	95.4		74.8	112.2





#47

Bromodichloromethane

Concen: 22.690 ug/l

RT: 6.55 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Instrument :

MSVOA_F

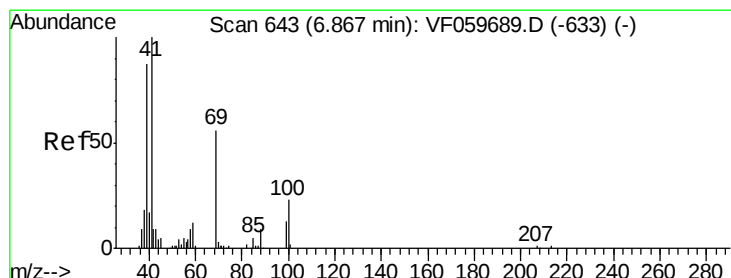
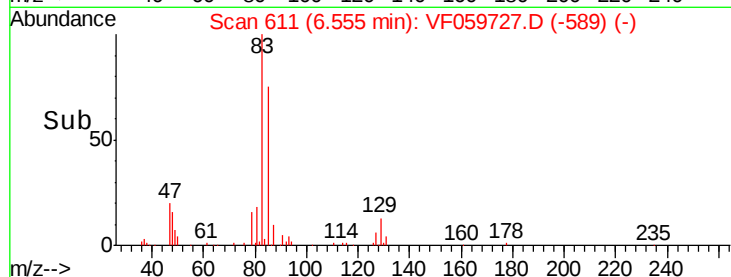
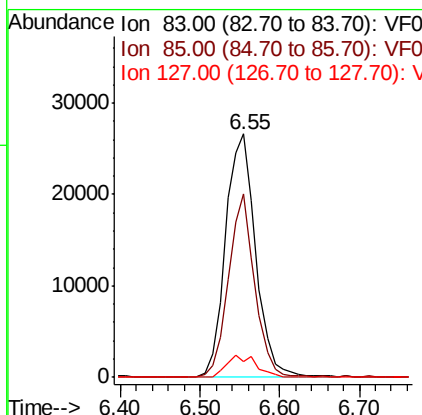
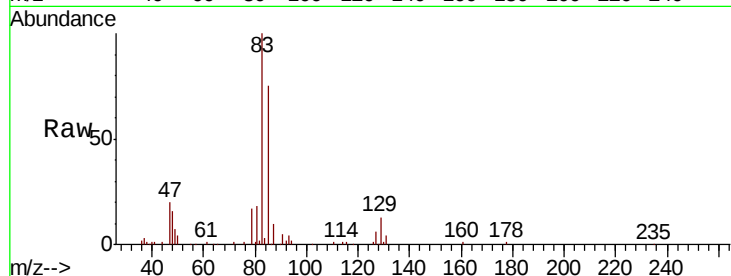
ClientSampleId :

VF0731SBS03

Tot Ion:	83	Resp:	70554
Ion Ratio	Lower	Upper	
83	100		
85	75.2	51.0	76.6
127	6.9	7.3	10.9#

Manual Integrations
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#48

Methyl methacrylate

Concen: 16.791 ug/l

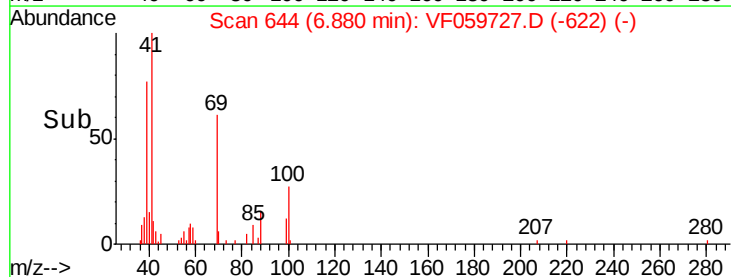
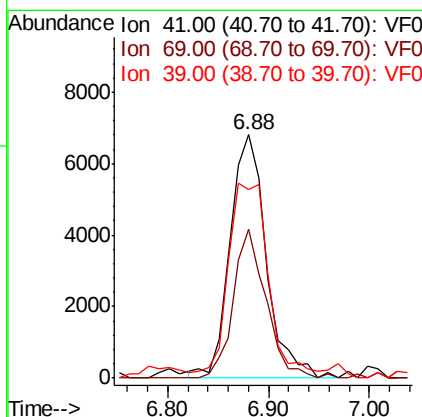
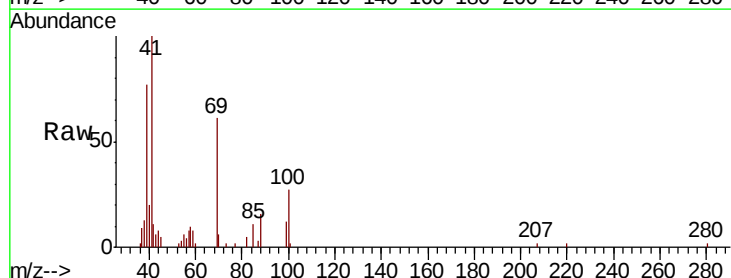
RT: 6.88 min Scan# 644

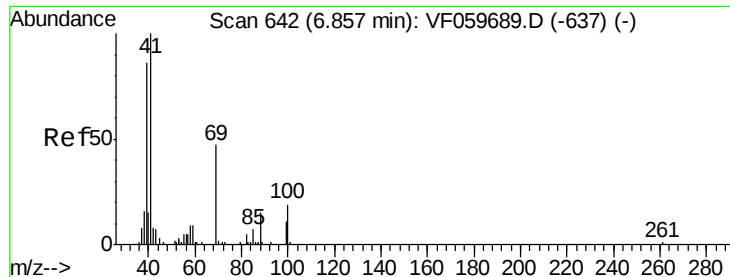
Delta R.T. 0.01 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Tgt Ion:	41	Resp:	17031
Ion Ratio	Lower	Upper	
41	100		
69	61.1	44.4	66.6
39	77.3	69.4	104.2





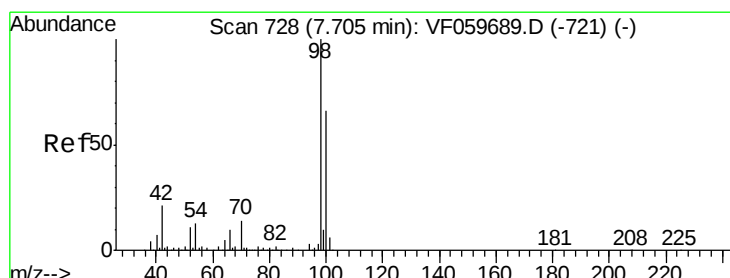
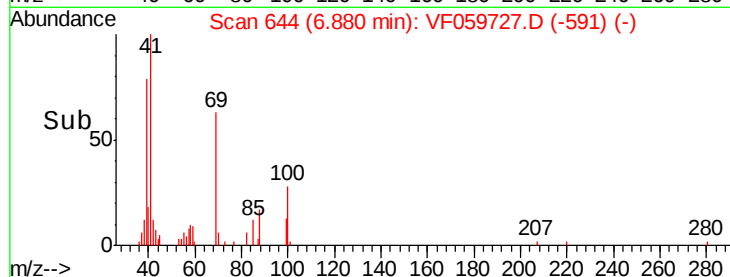
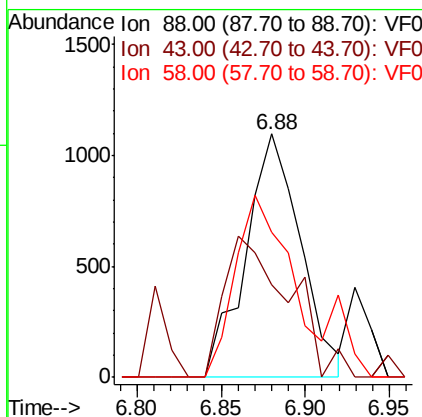
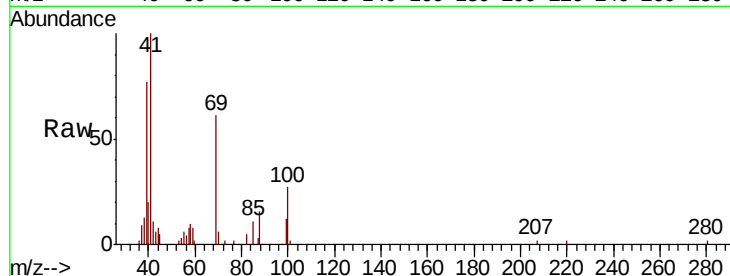
#49
1,4-Dioxane
Concen: 348.265 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.02 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	38.0	45.2	67.8#	
58	59.4	49.0	73.6	

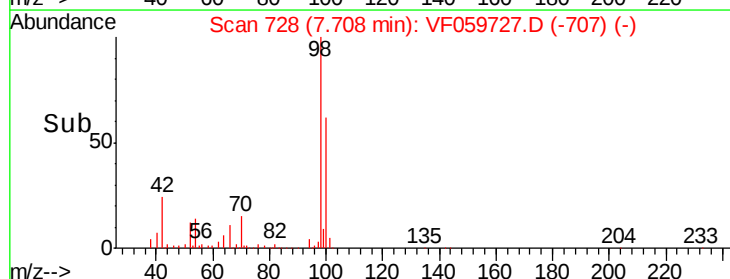
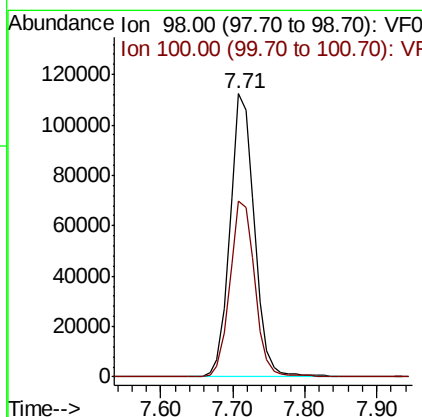
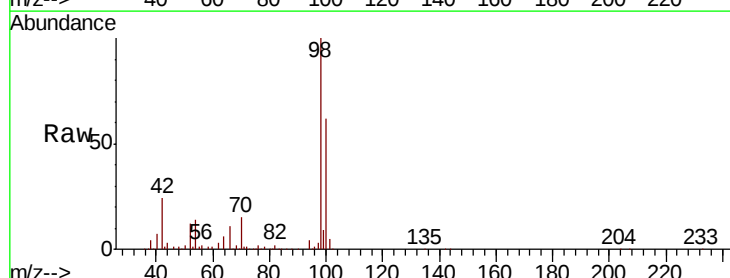
Manual Integrations
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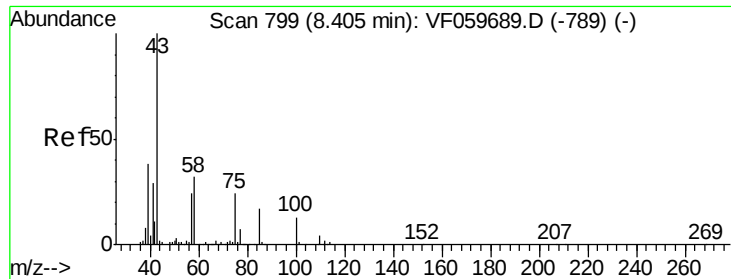
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#50
Toluene-d8
Concen: 48.567 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	62.3	52.8	79.2	





#51

4-Methyl-2-Pentanone

Concen: 97.166 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion: 43 Resp: 99670

Ion Ratio Lower Upper

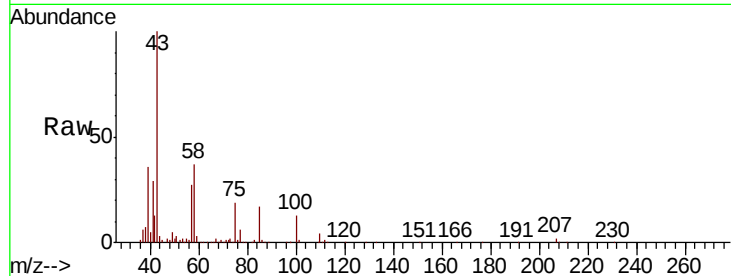
43 100

58 37.1 25.9 38.9

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.41

40000

30000

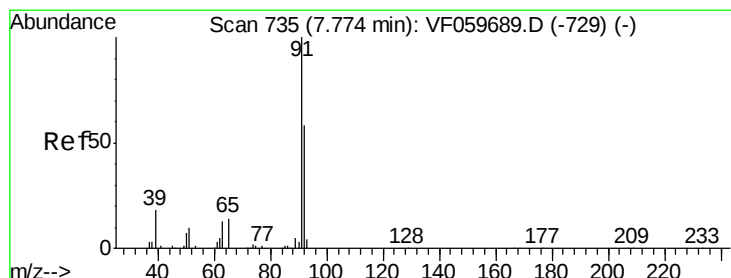
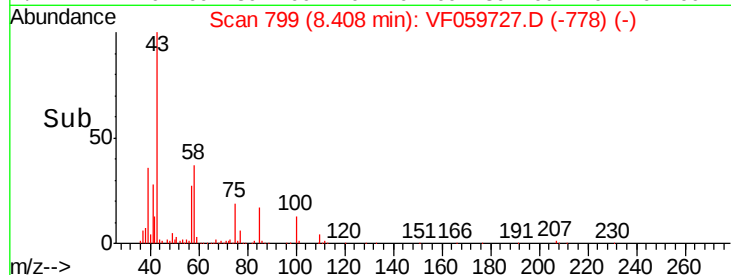
20000

10000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 22.729 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059727.D

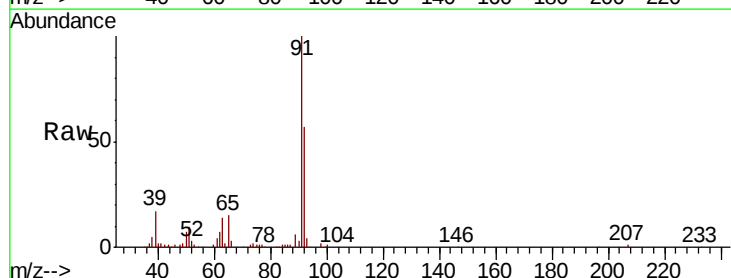
Acq: 1 Aug 2018 1:22

Tgt Ion: 92 Resp: 73272

Ion Ratio Lower Upper

92 100

91 176.8 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

60000

50000

40000

30000

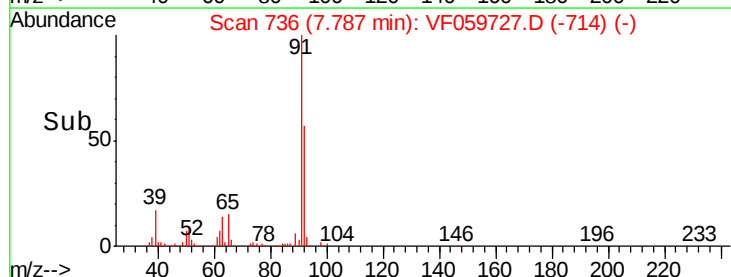
20000

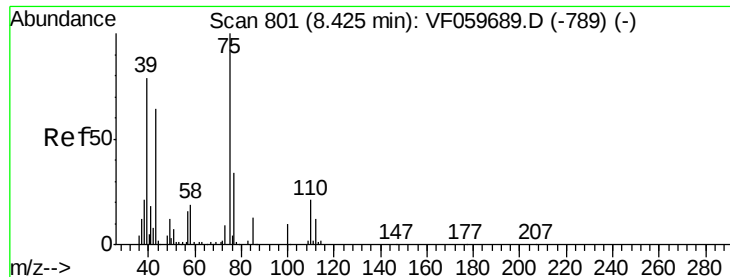
10000

0

7.70 7.80 7.90

Time-->





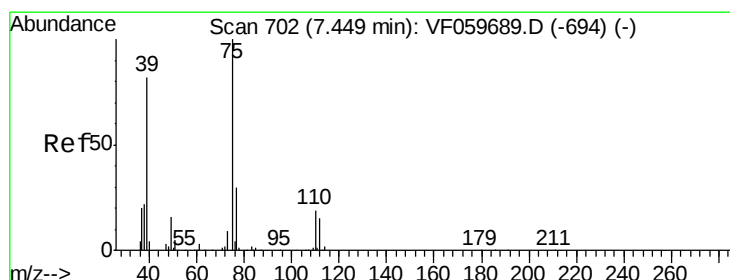
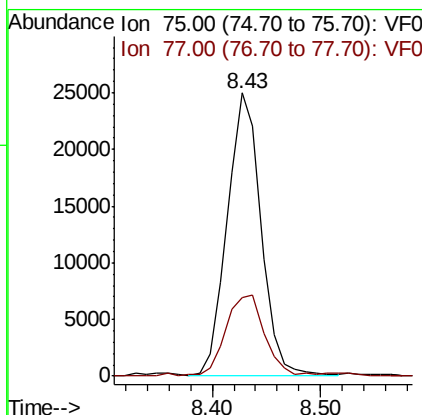
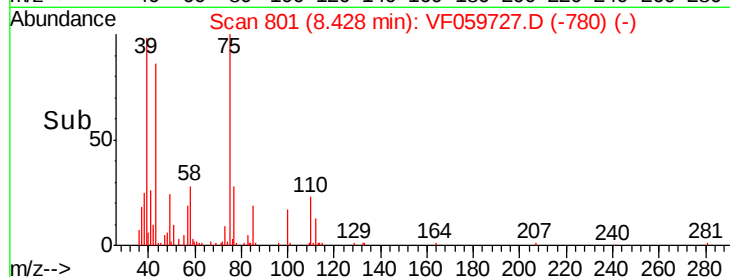
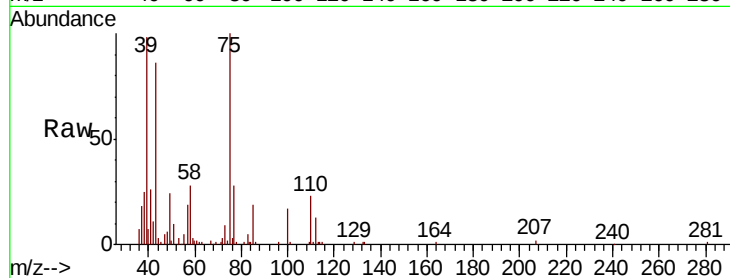
#53
 t-1,3-Dichloropropene
 Concen: 20.207 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS03

Tot Ion: 75 Resp: 54521
 Ion Ratio Lower Upper
 75 100
 77 27.8 27.0 40.4

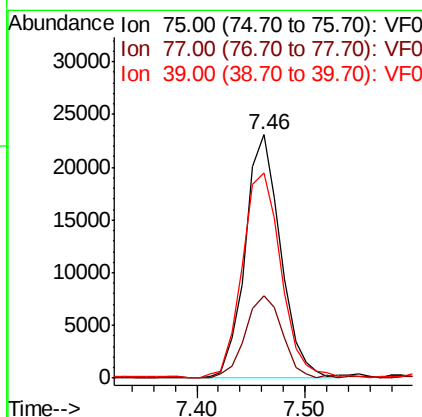
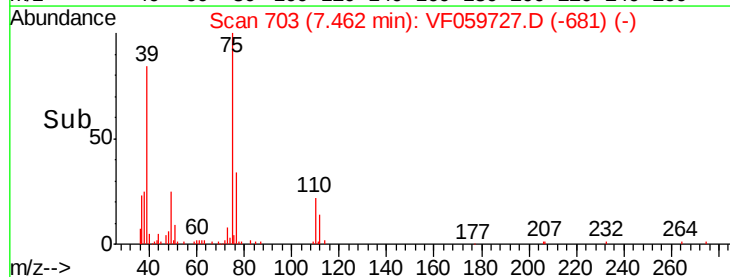
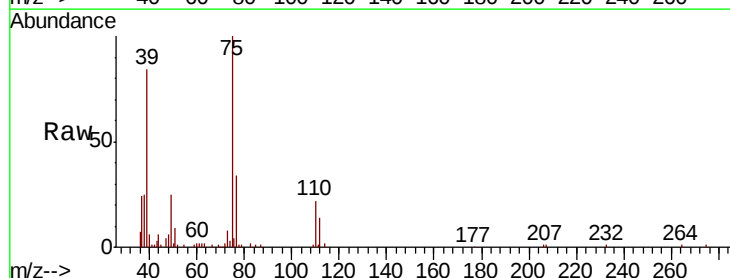
Manual Integrations
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#54
 cis-1,3-Dichloropropene
 Concen: 20.217 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.01 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Tgt Ion: 75 Resp: 52834
 Ion Ratio Lower Upper
 75 100
 77 33.6 24.0 36.0
 39 84.1 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 21.569 ug/l

RT: 8.64 min Scan# 823

Delta R.T. 0.01 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Instrument :

MSVOA_F

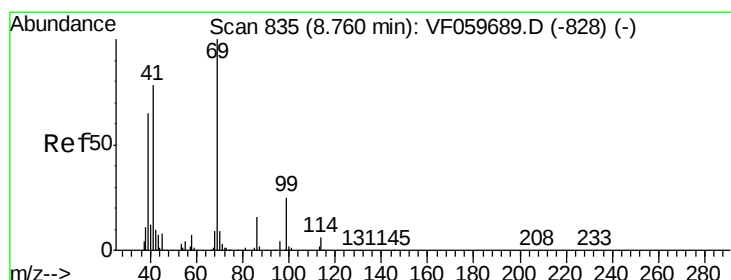
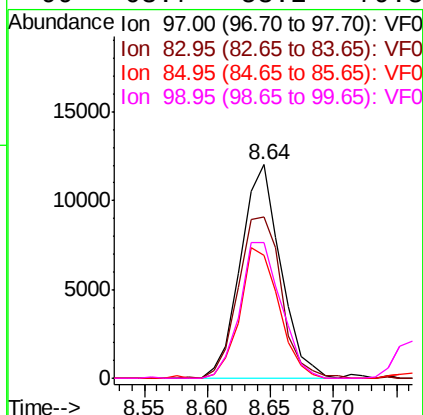
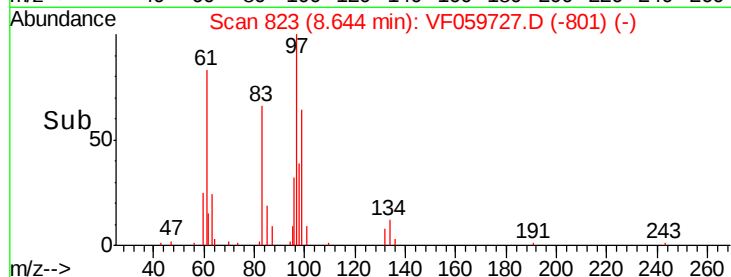
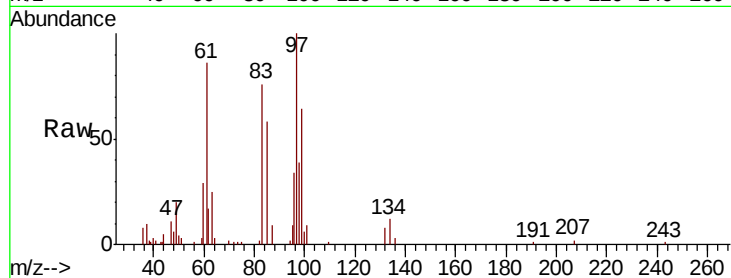
ClientSampleId :

VF0731SBS03

Tot Ion:	97	Resp:	26603
Ion	Ratio	Lower	Upper
97	100		
83	75.5	66.6	100.0
85	57.7	47.4	71.0
99	63.7	53.2	79.8

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#56

Ethyl methacrylate

Concen: 18.135 ug/l

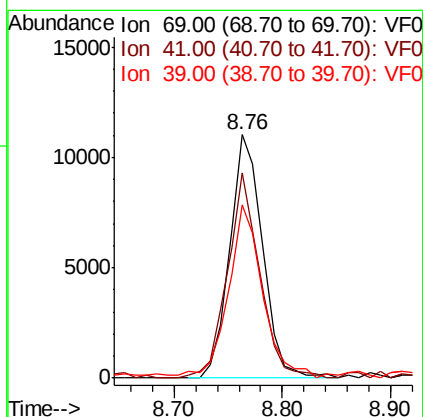
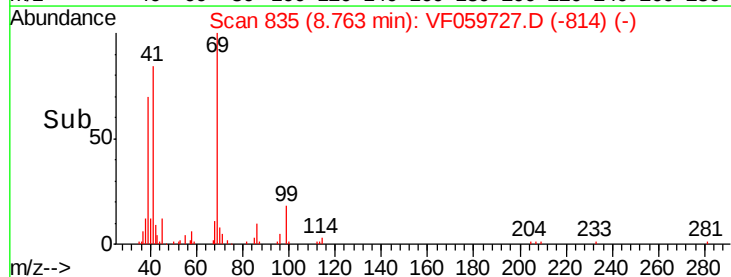
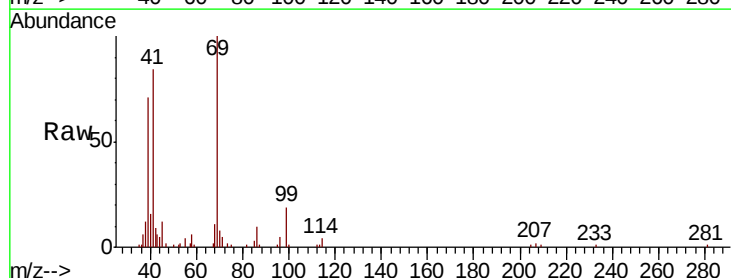
RT: 8.76 min Scan# 835

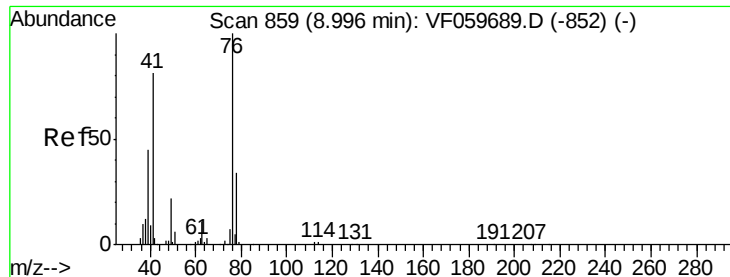
Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Tgt Ion:	69	Resp:	23327
Ion	Ratio	Lower	Upper
69	100		
41	84.5	62.3	93.5
39	71.1	52.4	78.6





#57

1,3-Dichloropropane

Concen: 21.358 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion: 76 Resp: 45192

Ion Ratio Lower Upper

76 100

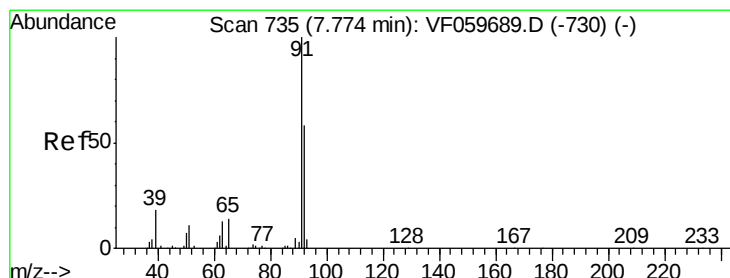
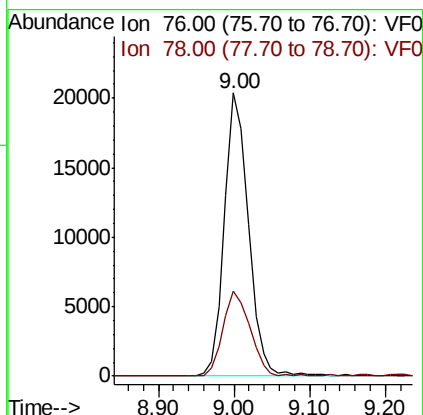
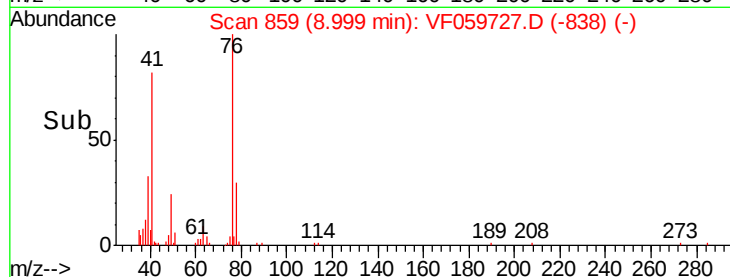
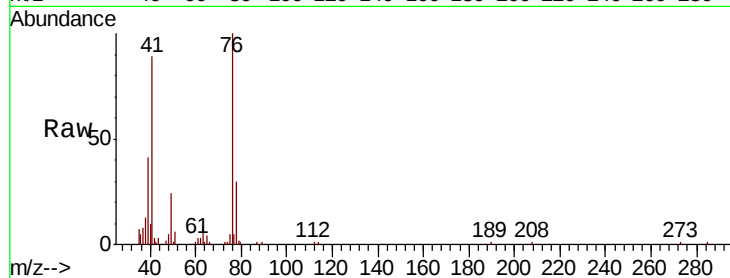
78 29.8 27.2 40.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 119.888 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF059727.D

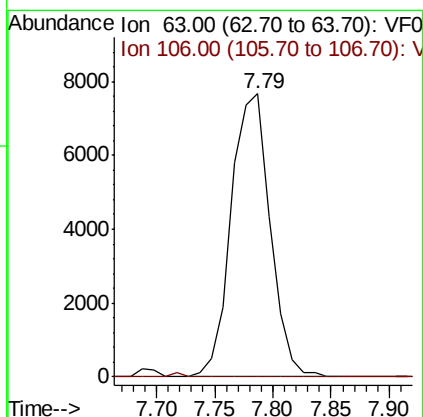
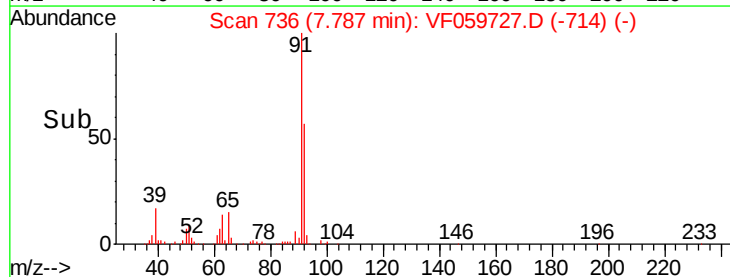
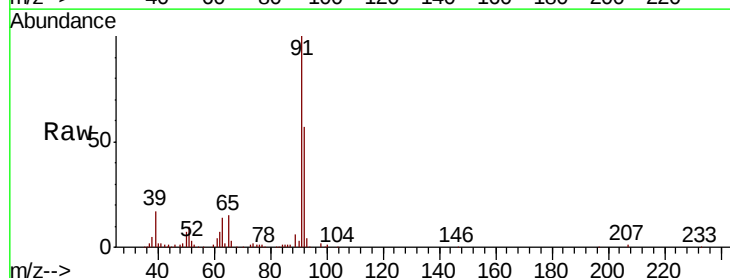
Acq: 1 Aug 2018 1:22

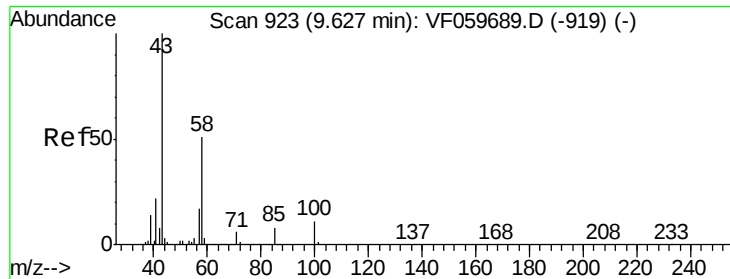
Tgt Ion: 63 Resp: 17805

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





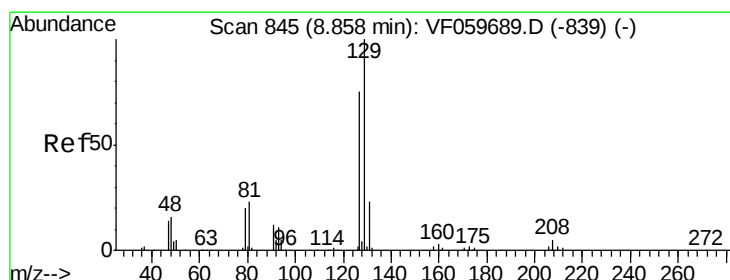
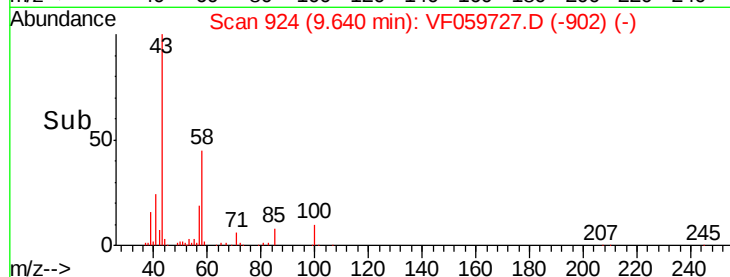
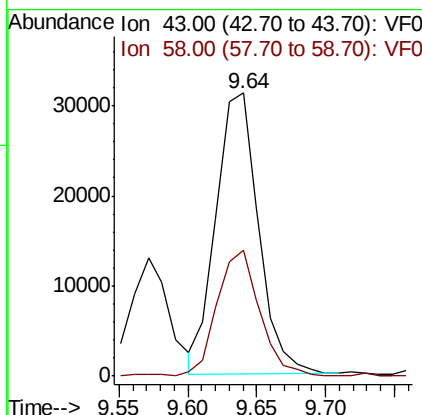
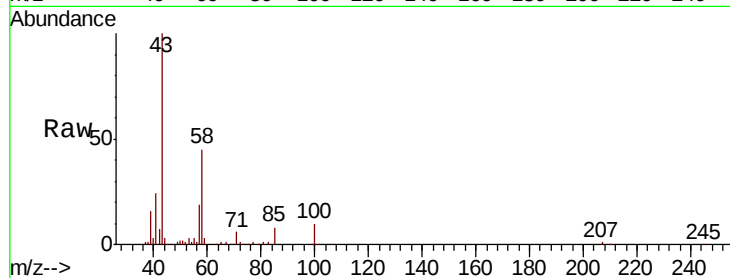
#59
2-Hexanone
Concen: 81.287 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.5	23.3	69.8

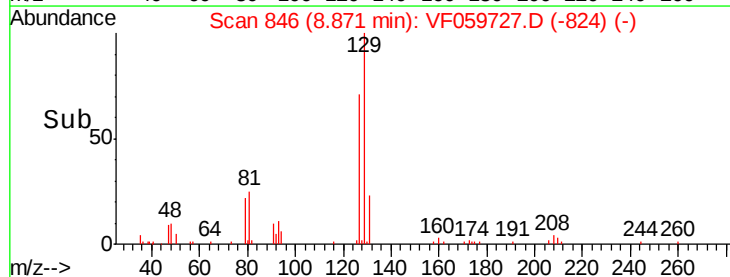
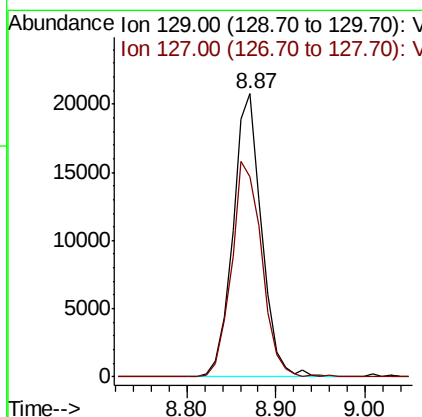
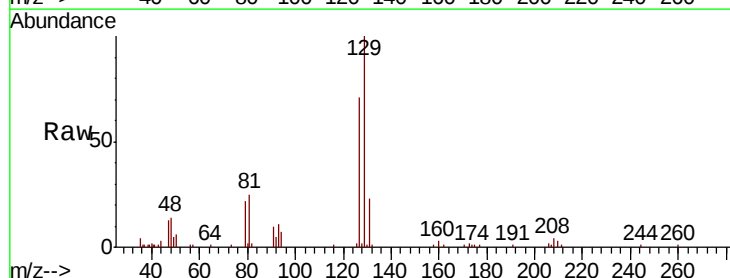
Manual Integrations
APPROVED

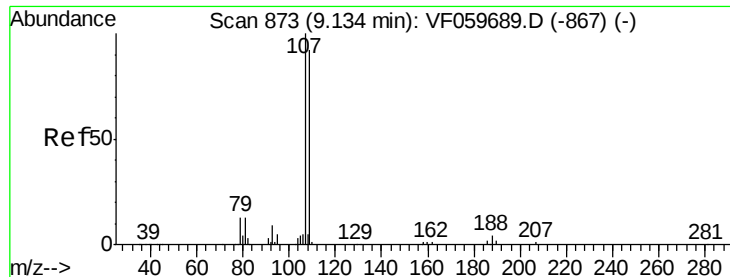
apatel
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#60
Dibromochloromethane
Concen: 21.370 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Tgt Ion	Ratio	Lower	Upper
129	100		
127	70.9	37.7	113.1





#61

1,2-Dibromoethane

Concen: 22.094 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion: 107 Resp: 31821

Ion Ratio Lower Upper

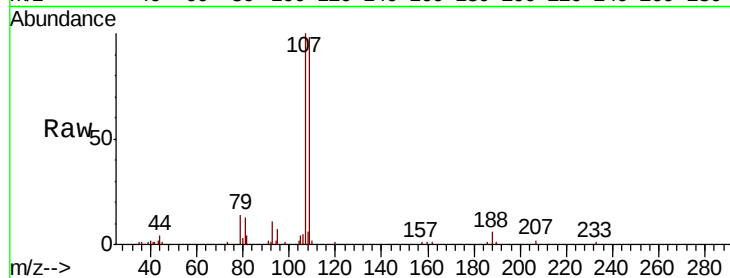
107 100

109 98.4 73.6 110.4

Manual Integrations
APPROVED

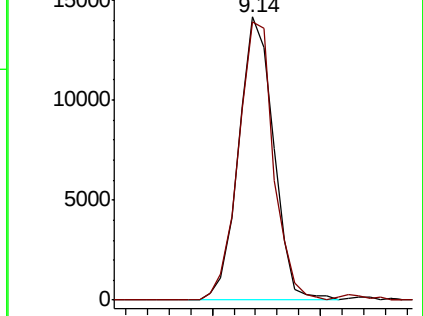
apatel

8/1/2018 4:29:56 PM

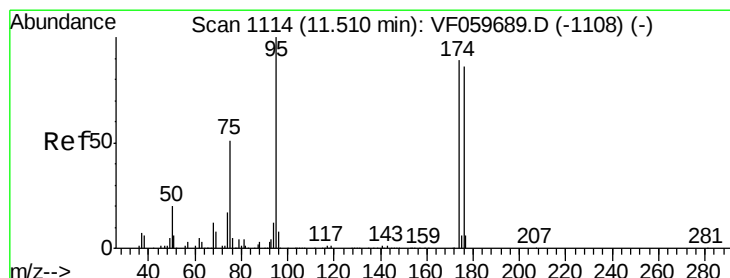
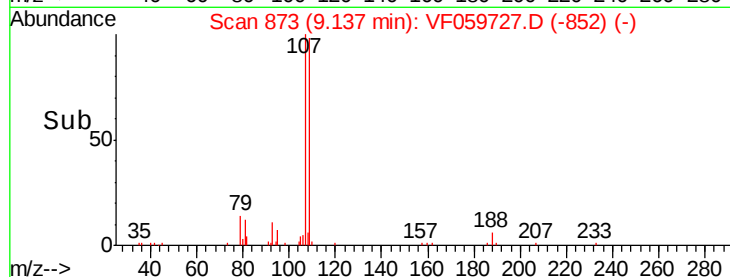


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



Time-->



#62

4-Bromofluorobenzene

Concen: 48.676 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

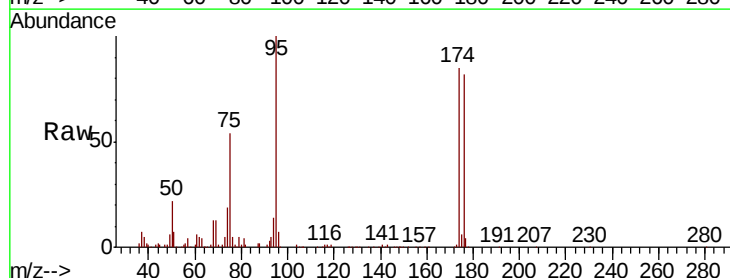
Tgt Ion: 95 Resp: 147187

Ion Ratio Lower Upper

95 100

174 85.3 0.0 178.4

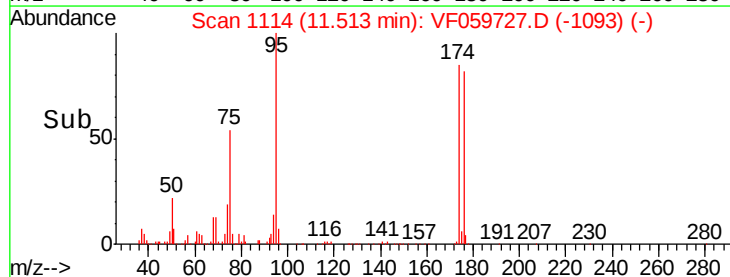
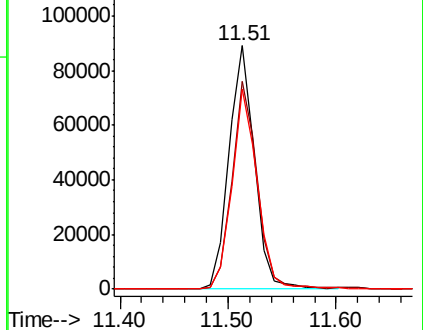
176 82.3 0.0 173.0

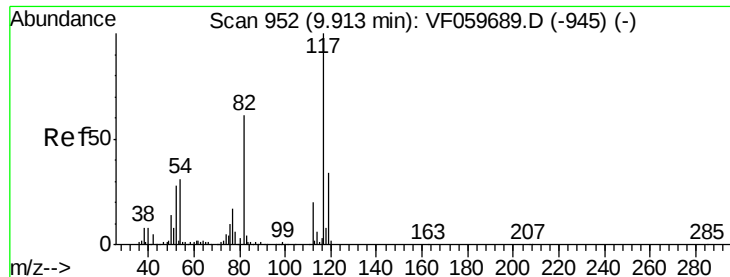


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





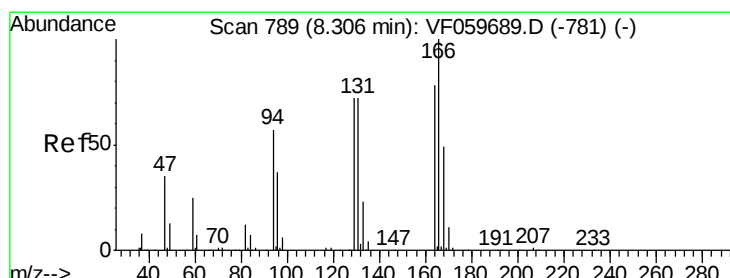
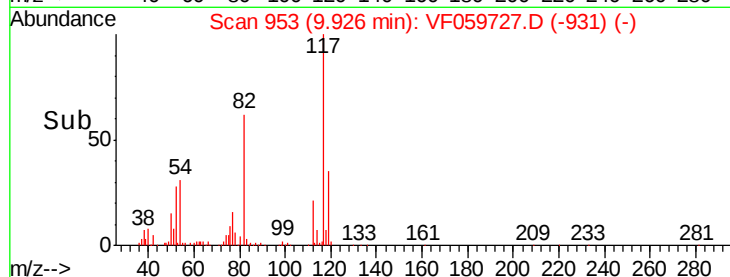
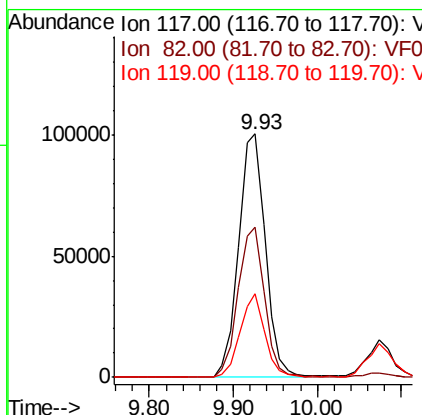
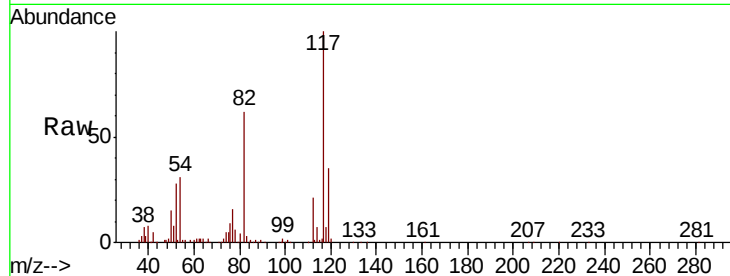
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	224336		
82	61.6	49.0	73.4	
119	34.6	27.3	40.9	

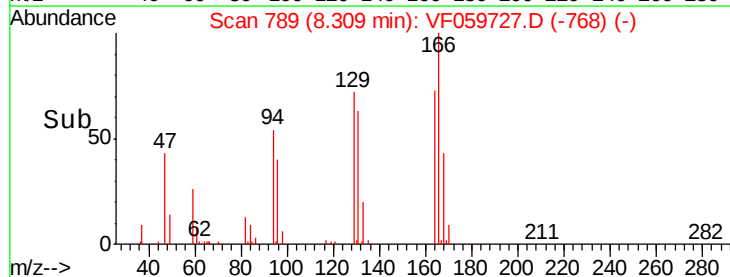
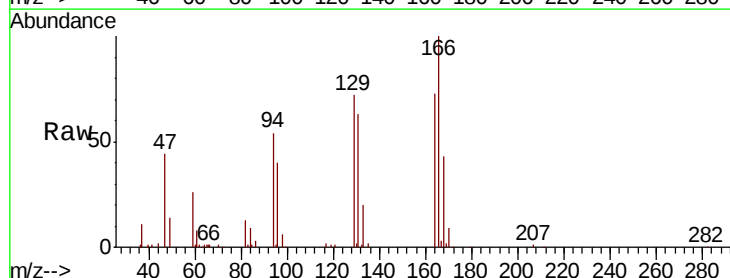
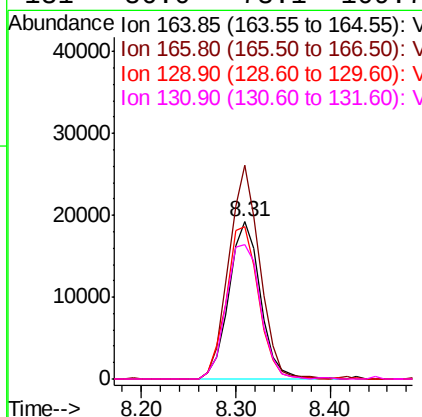
Manual Integrations
APPROVED

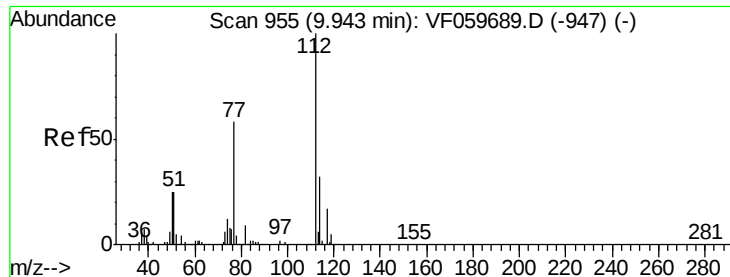
apatel
8/1/2018 4:29:56 PM



#64
Tetrachloroethene
Concen: 27.138 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	44158		
166	136.1	102.1	153.1	
129	97.5	73.8	110.6	
131	86.0	73.1	109.7	





#65

Chlorobenzene

Concen: 22.889 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion:112 Resp: 102716

Ion Ratio Lower Upper

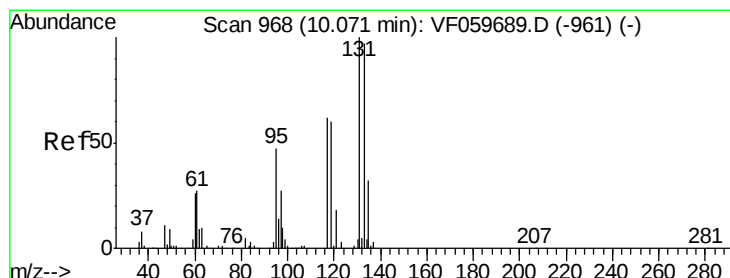
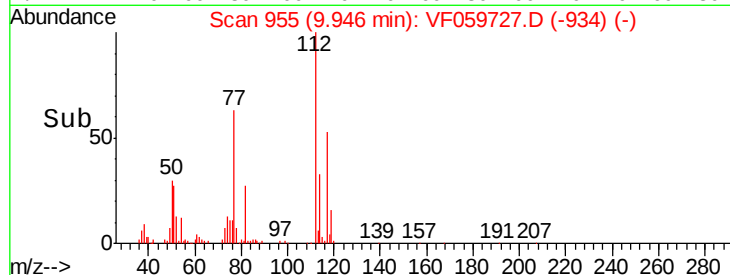
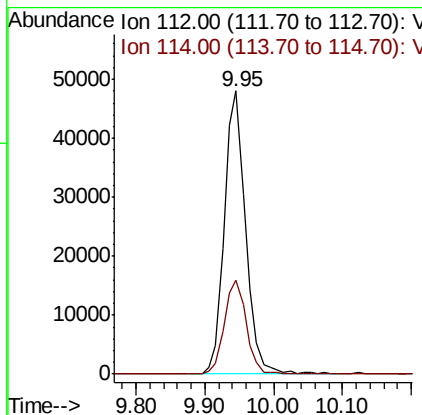
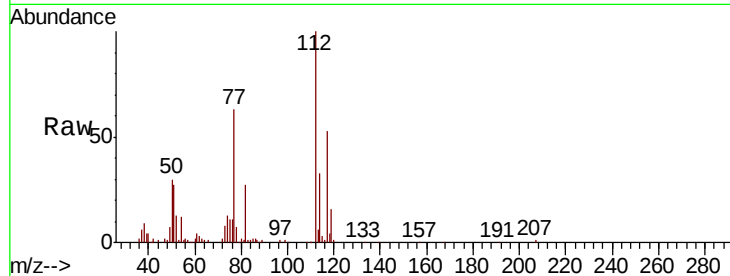
112 100

114 33.0 25.6 38.4

Manual Integrations
APPROVED

apatel

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#66

1,1,1,2-Tetrachloroethane

Concen: 23.789 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

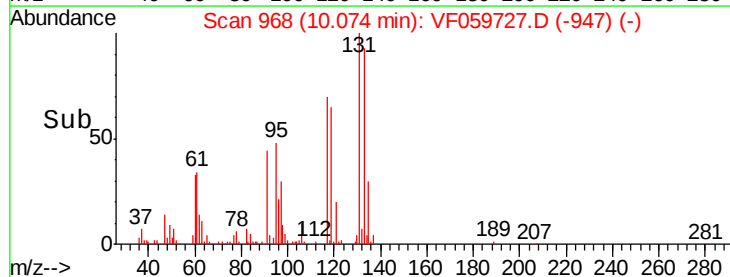
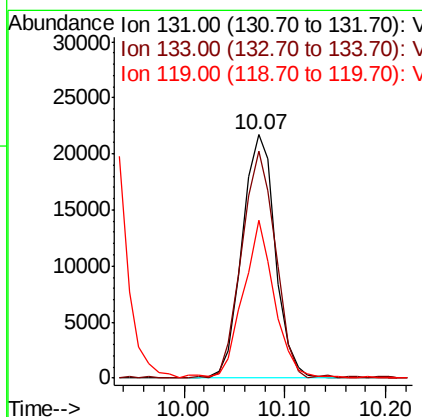
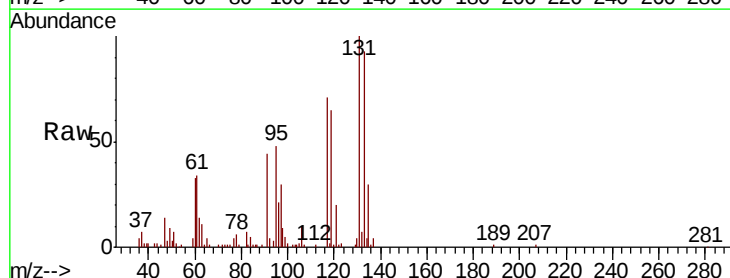
Tgt Ion:131 Resp: 49841

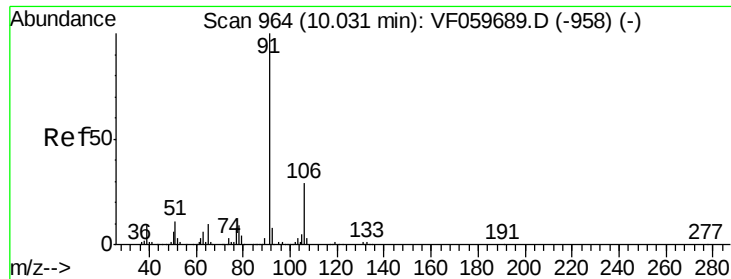
Ion Ratio Lower Upper

131 100

133 93.5 48.5 145.5

119 64.9 30.3 90.8





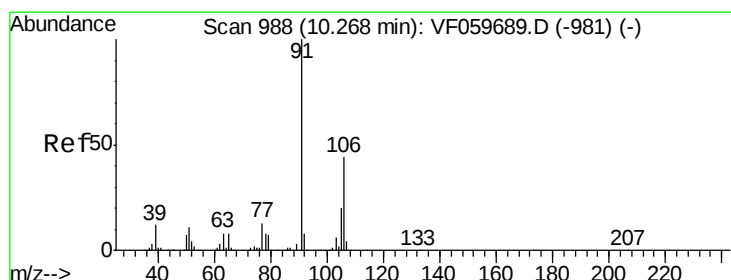
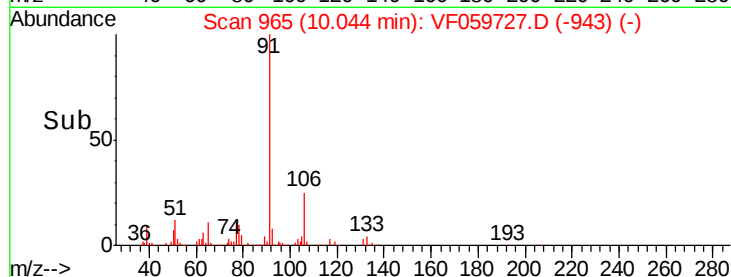
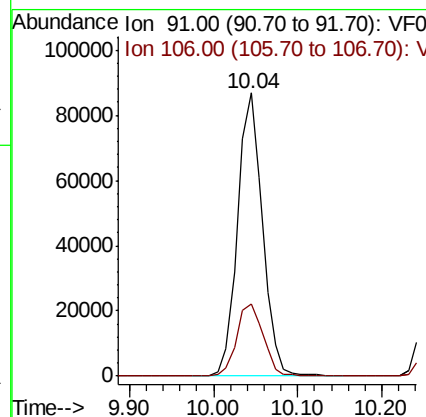
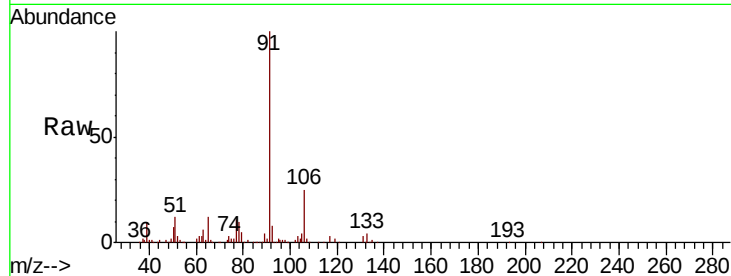
#67
Ethyl Benzene
Concen: 23.073 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion: 91 Resp: 179153
Ion Ratio Lower Upper
91 100
106 25.4 22.9 34.3

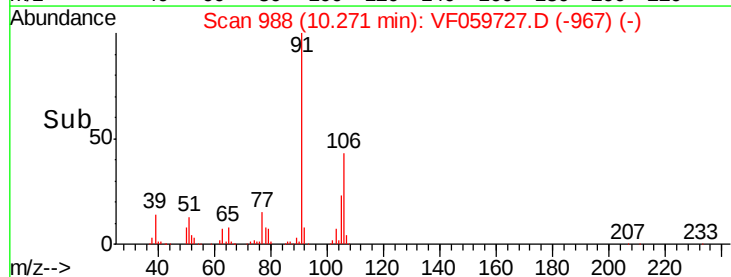
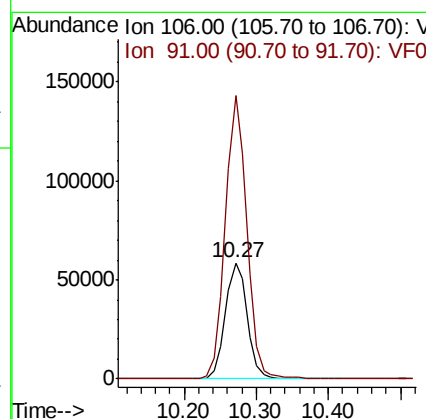
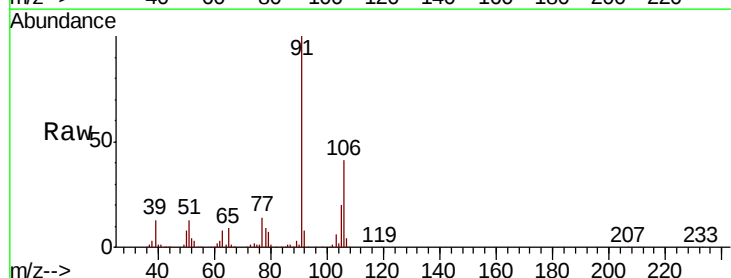
Manual Integrations
APPROVED

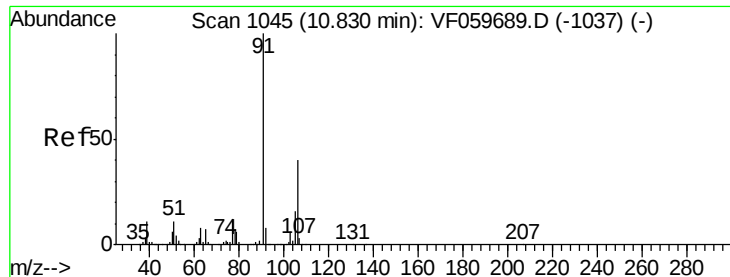
apatel
8/1/2018 4:29:56 PM



#68
m/p-Xylenes
Concen: 46.360 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Tgt Ion: 106 Resp: 122727
Ion Ratio Lower Upper
106 100
91 244.6 181.7 272.5





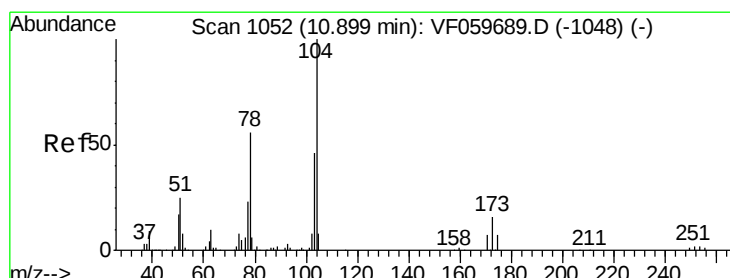
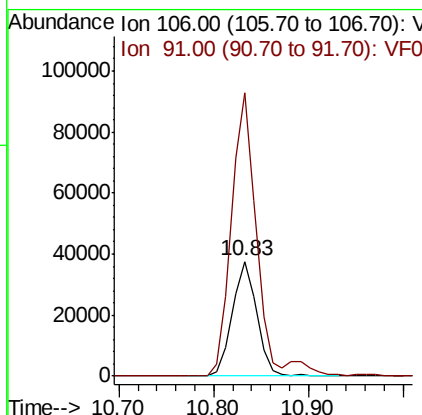
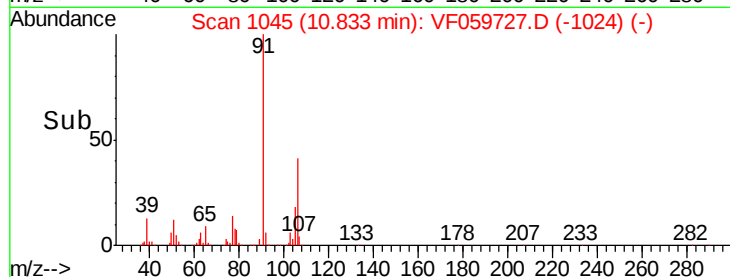
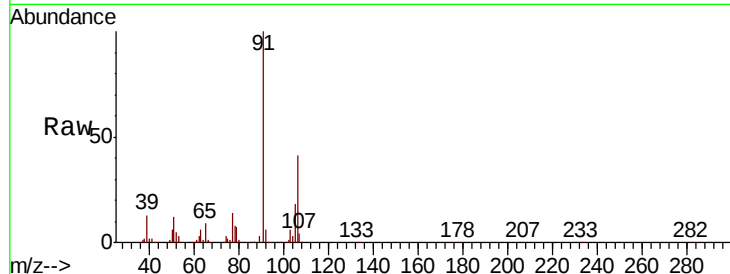
#69
o-Xylene
Concen: 23.611 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.00 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Instrument :
MSVOA_F
ClientSampled :
VF0731SBS03

Tot Ion:106 Resp: 67551
Ion Ratio Lower Upper
106 100
91 246.7 124.6 373.7

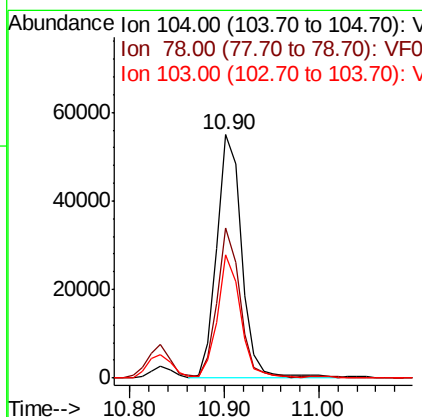
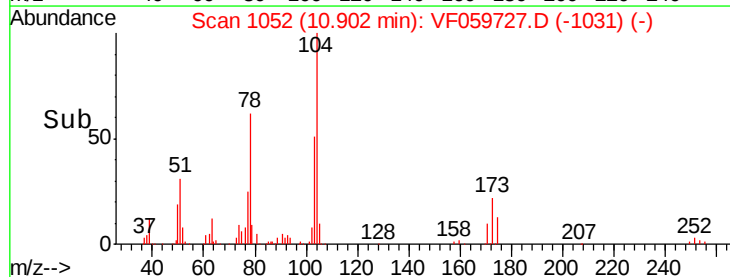
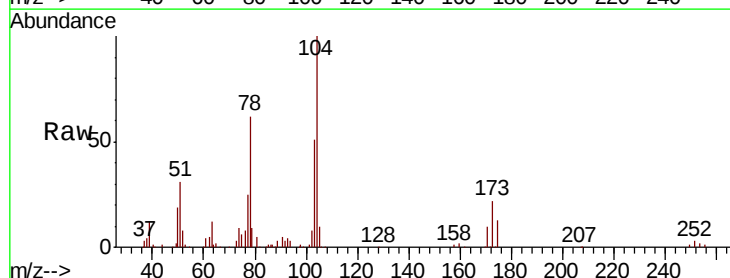
Manual Integrations
APPROVED

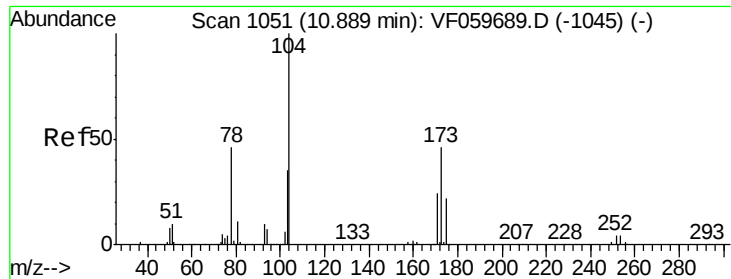
apatel
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#70
Styrene
Concen: 23.050 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Tgt Ion:104 Resp: 99903
Ion Ratio Lower Upper
104 100
78 61.6 45.3 67.9
103 50.6 36.6 54.8





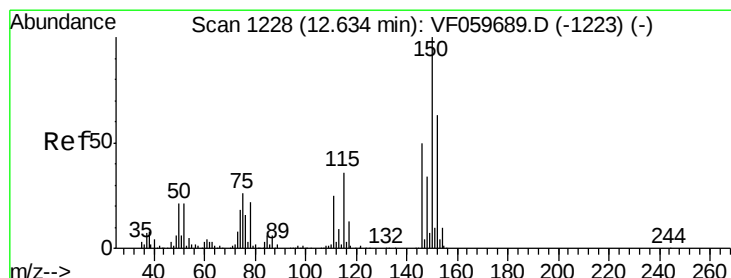
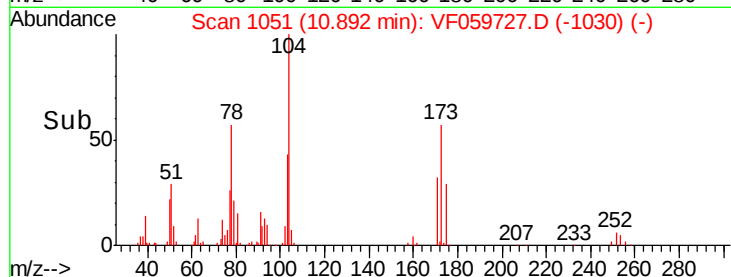
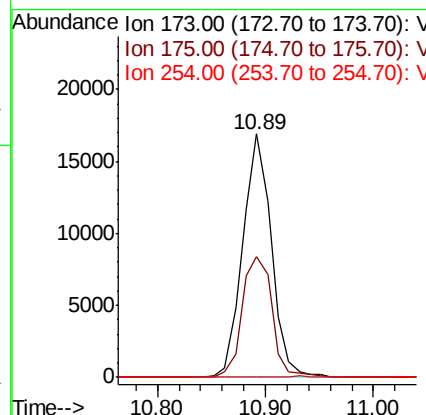
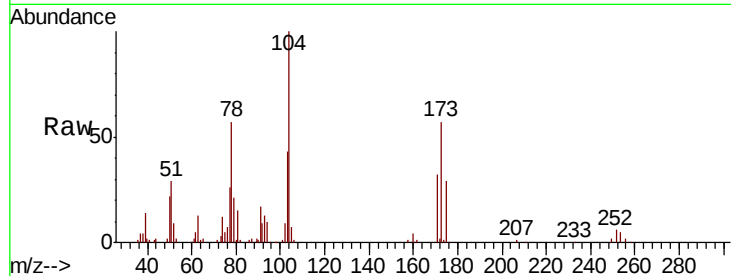
#71
Bromoform
Concen: 22.725 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	23.4	70.0
254	0.0	0.0	0.0

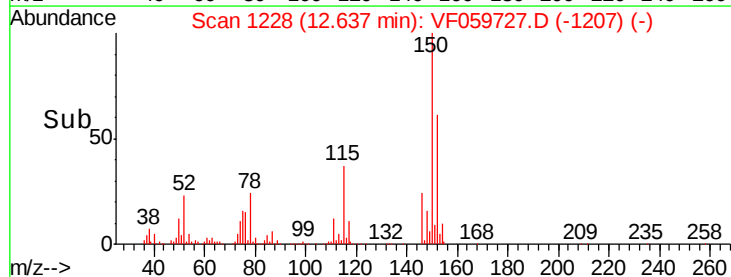
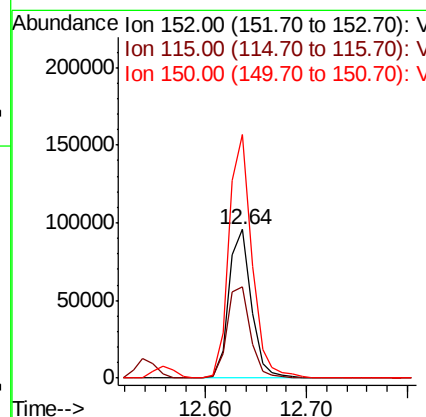
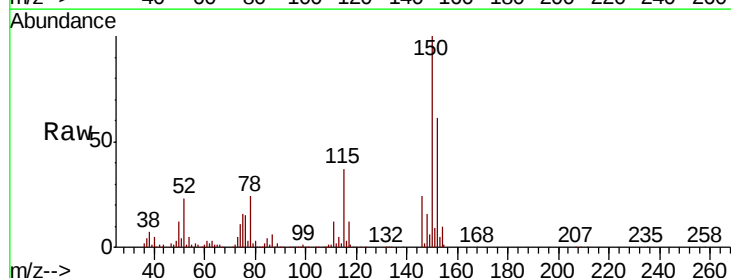
Manual Integrations
APPROVED

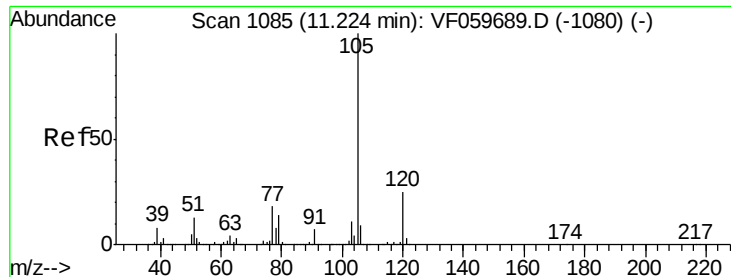
apatel
8/1/2018 4:29:56 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.64 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	28.2	84.6
150	163.9	0.0	316.2





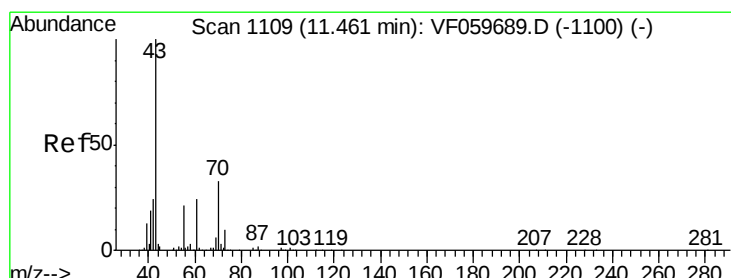
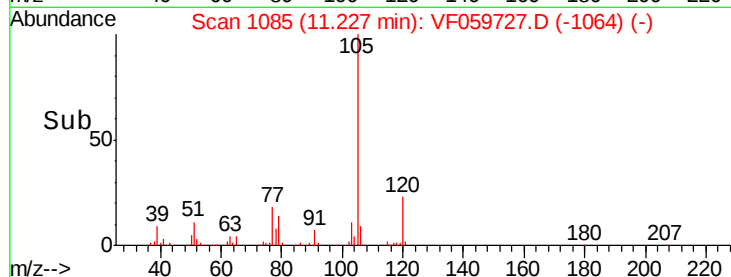
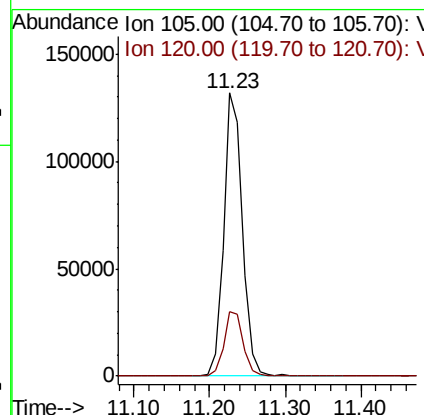
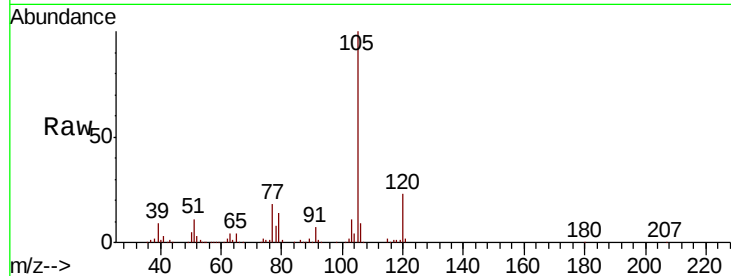
#73
Isopropylbenzene
Concen: 23.103 ug/l
RT: 11.23 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ratio	Resp	Lower	Upper
105	100	226951		
120	23.0		12.4	37.4

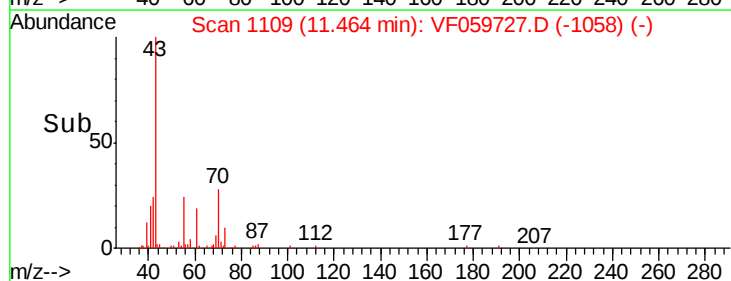
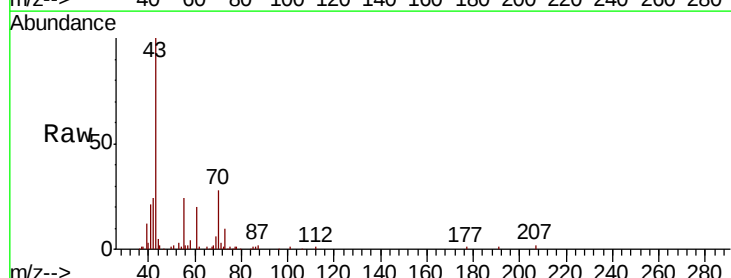
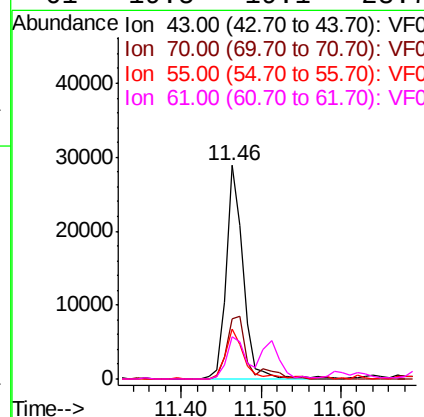
Manual Integrations
APPROVED

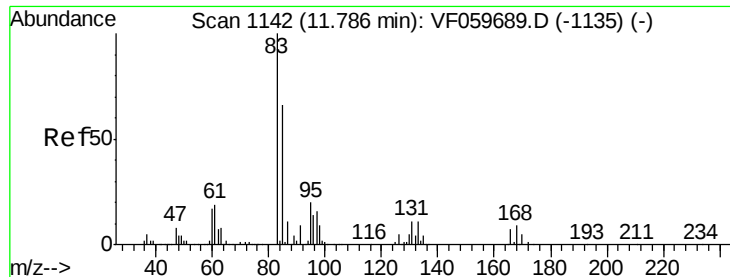
apatel
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#74
N-ethyl acetate
Concen: 17.712 ug/l
RT: 11.46 min Scan# 1109
Delta R.T. 0.00 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	43898		
70	28.0		26.3	39.5
55	23.5		16.6	25.0
61	19.5		19.1	28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.190 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Instrument :

MSVOA_F

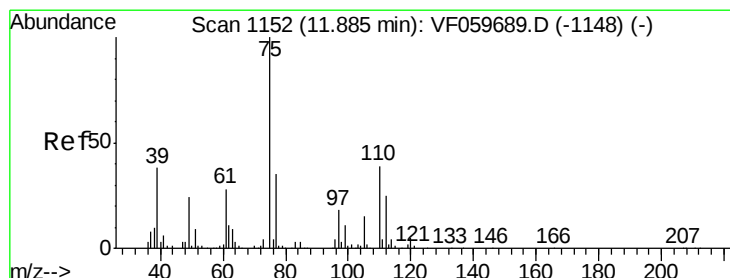
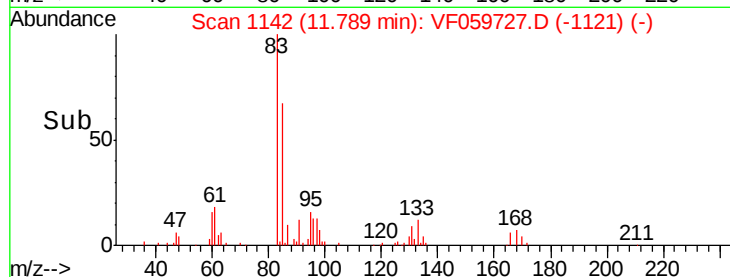
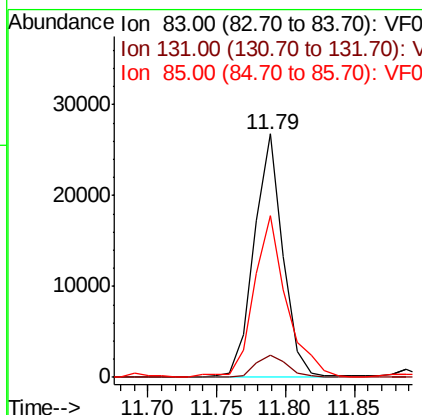
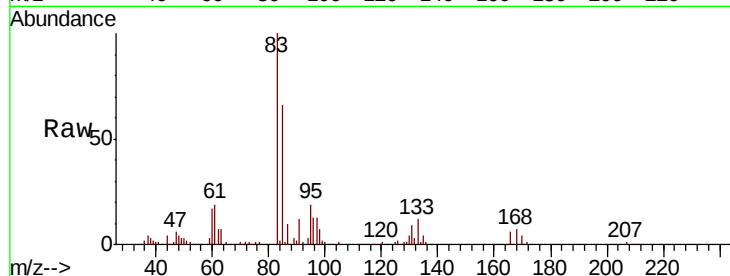
ClientSampleId :

VF0731SBS03

Tot Ion:	83	Resp:	39184
Ion Ratio	Lower	Upper	
83	100		
131	9.1	5.8	17.3
85	66.3	32.8	98.3

Manual Integrations
APPROVED

apatel
8/1/2018 4:29:56 PM



#76

1,2,3-Trichloropropane

Concen: 20.867 ug/l

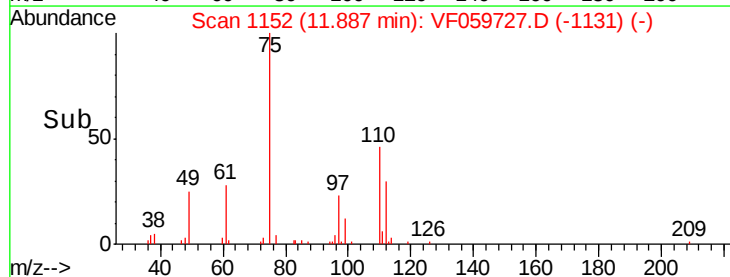
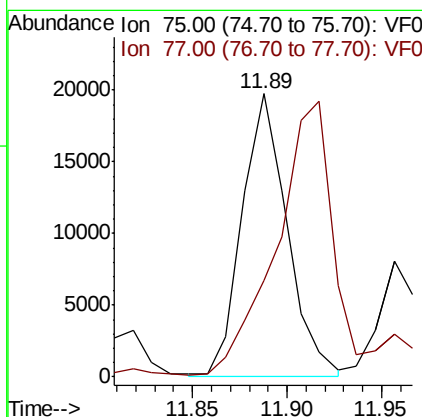
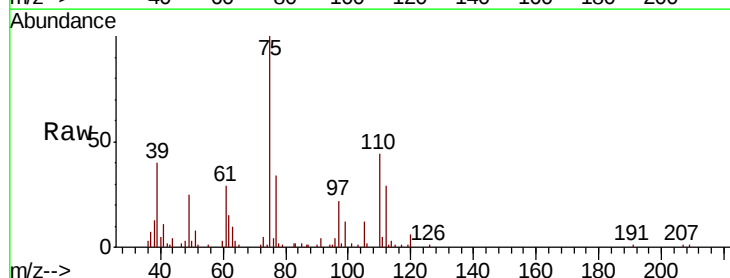
RT: 11.89 min Scan# 1152

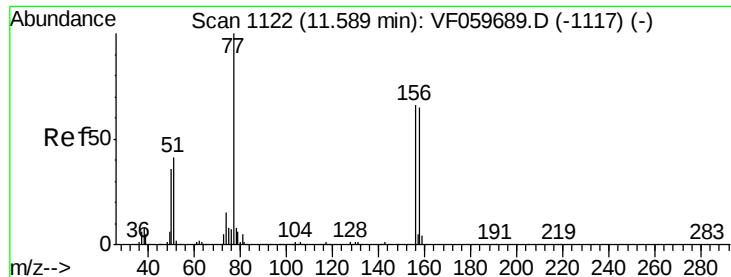
Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Tgt Ion:	75	Resp:	32812
Ion Ratio	Lower	Upper	
75	100		
77	34.2	18.0	54.0





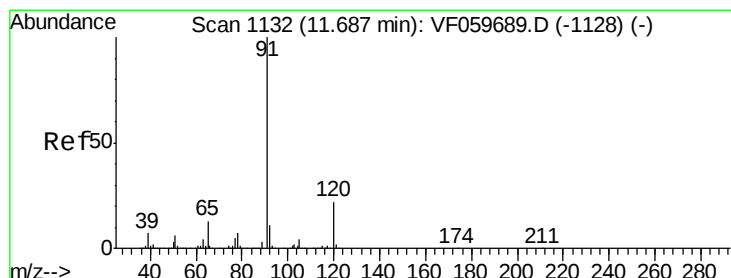
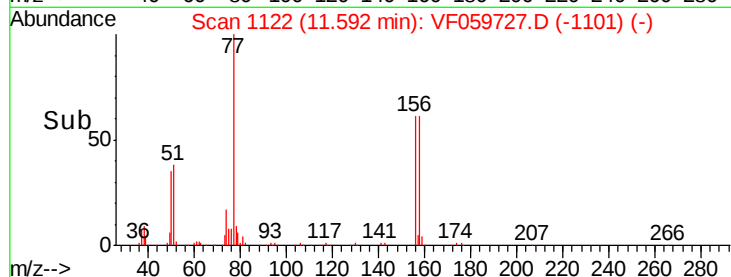
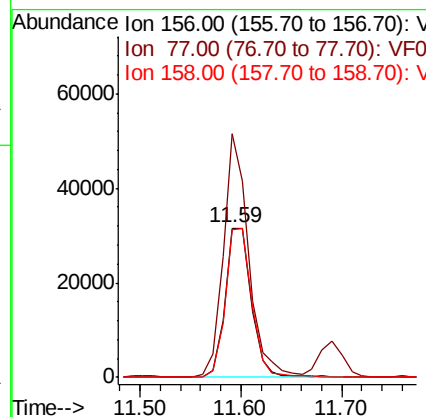
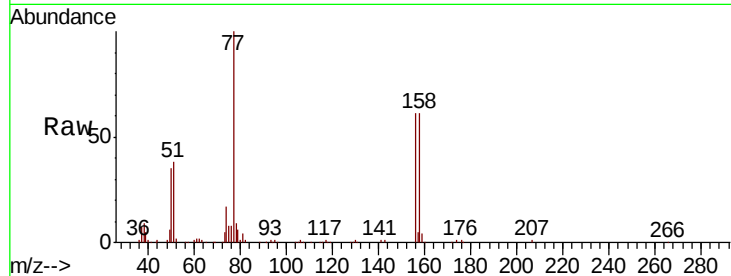
#77
Bromobenzene
Concen: 22.377 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	163.0	75.2	225.6	
158	98.9	49.1	147.3	

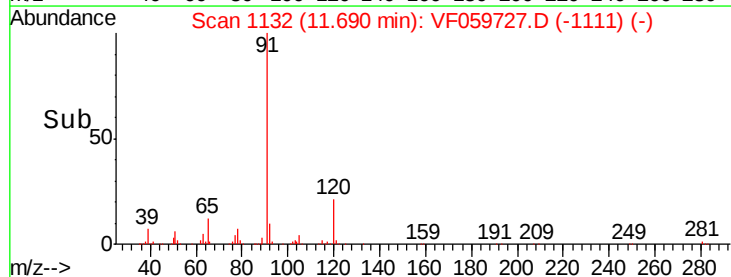
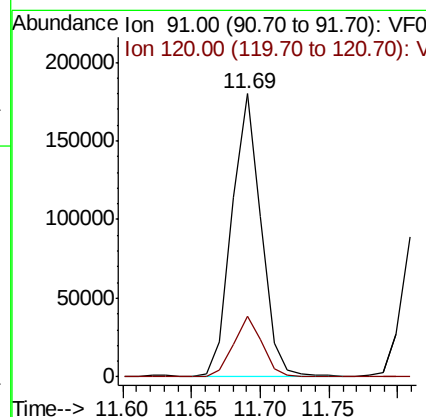
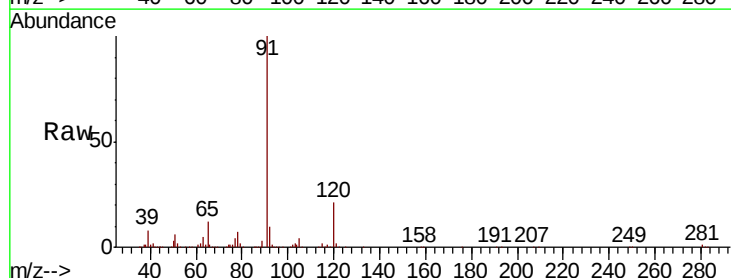
Manual Integrations
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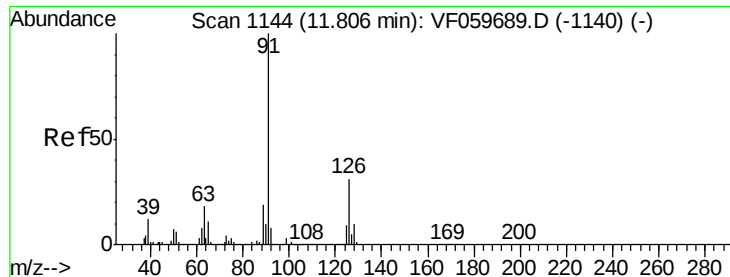
apatel
8/1/2018 4:29:56 PM



#78
n-propylbenzene
Concen: 23.658 ug/l
RT: 11.69 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.4	11.0	33.0	





#79

2-Chlorotoluene

Concen: 23.724 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion: 91 Resp: 164966

Ion Ratio Lower Upper

91 100

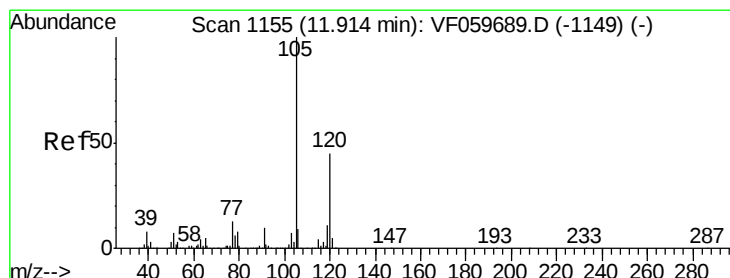
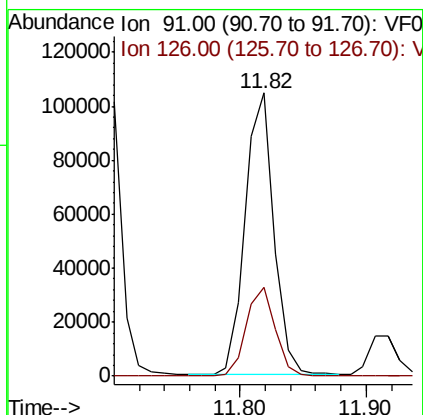
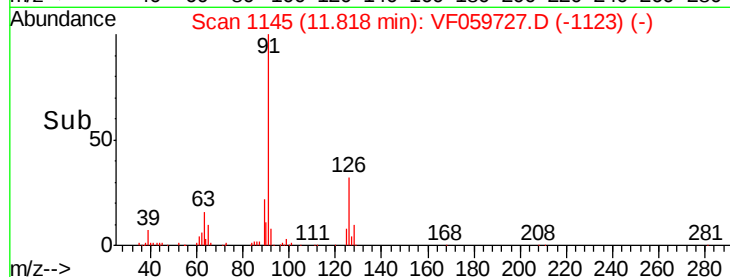
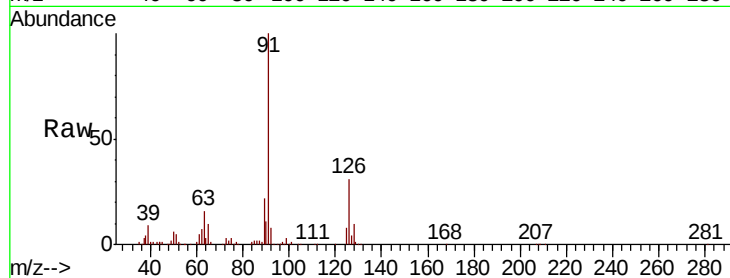
126 31.4 15.4 46.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 24.212 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. 0.00 min

Lab File: VF059727.D

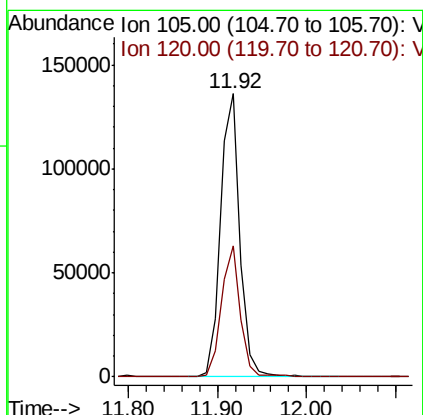
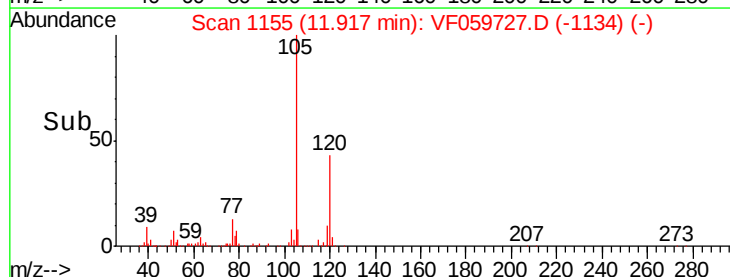
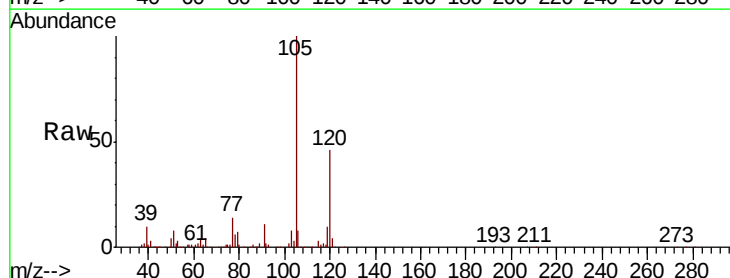
Acq: 1 Aug 2018 1:22

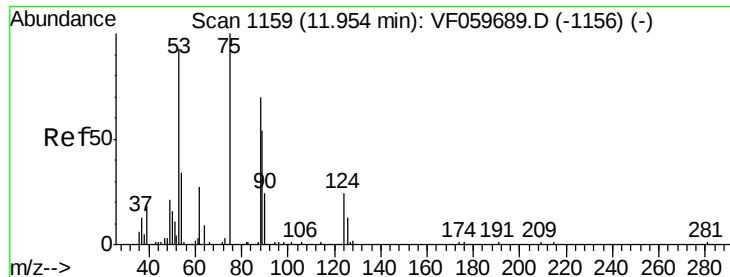
Tgt Ion:105 Resp: 208203

Ion Ratio Lower Upper

105 100

120 46.3 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.800 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059727.D

Acq: 1 Aug 2018 1:22

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS03

Tot Ion: 75 Resp: 12894

Ion Ratio Lower Upper

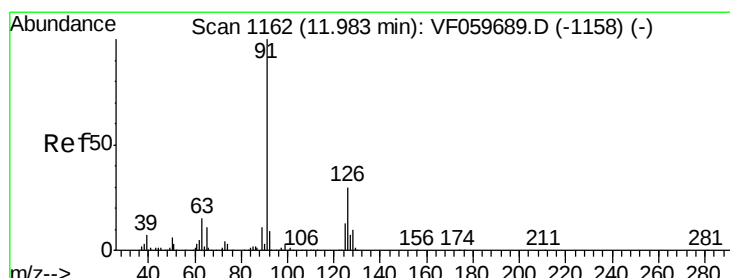
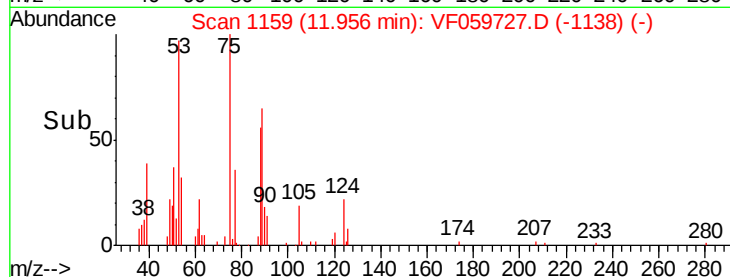
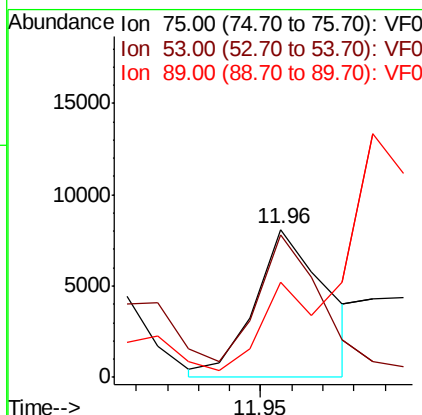
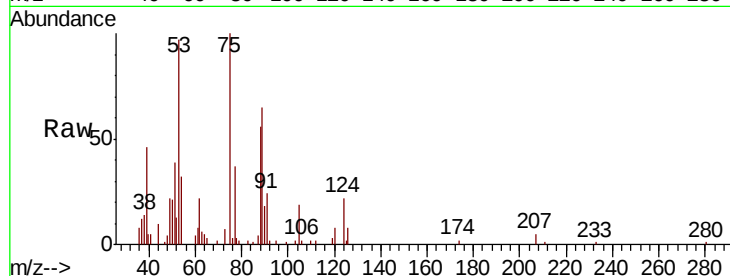
75 100

53 96.7 78.3 117.5

89 64.7 45.4 68.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 23.532 ug/l

RT: 11.99 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059727.D

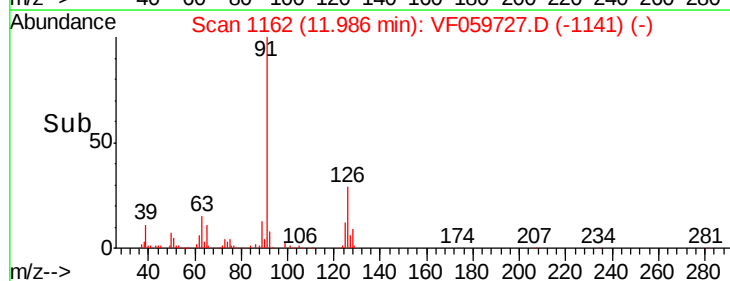
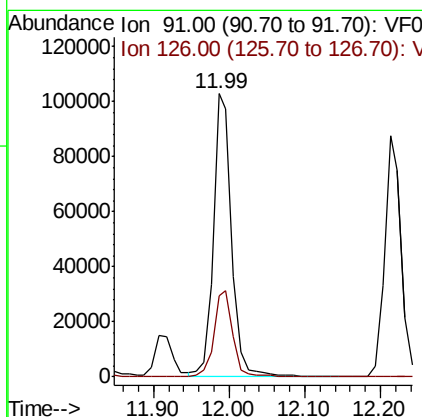
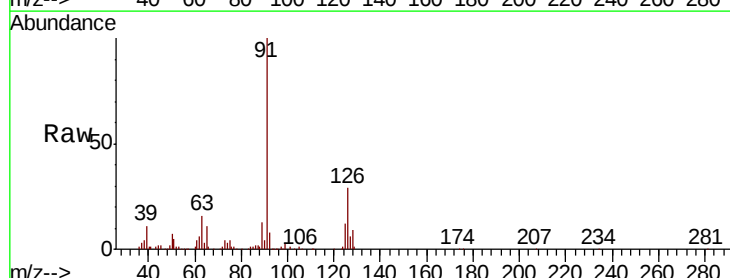
Acq: 1 Aug 2018 1:22

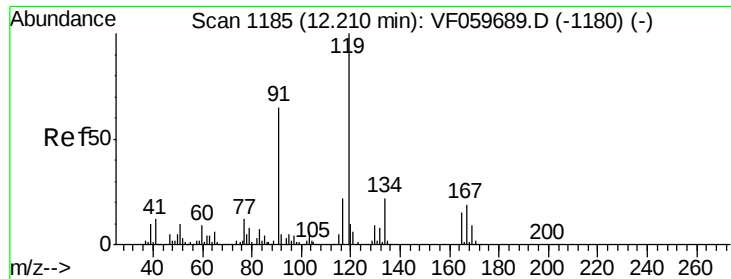
Tgt Ion: 91 Resp: 173682

Ion Ratio Lower Upper

91 100

126 28.9 15.2 45.6





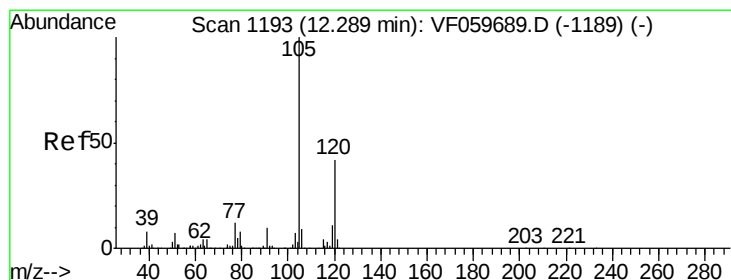
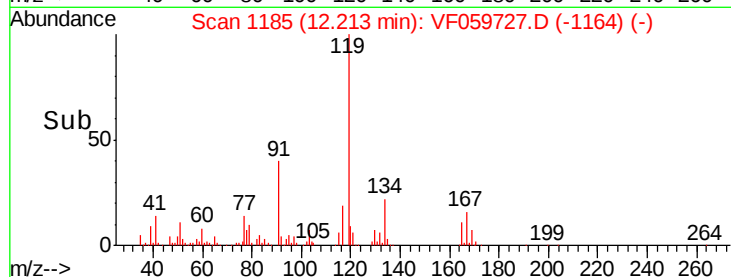
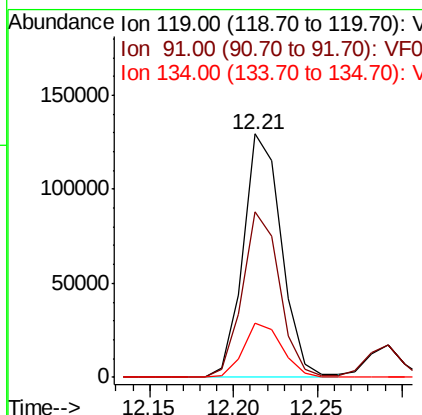
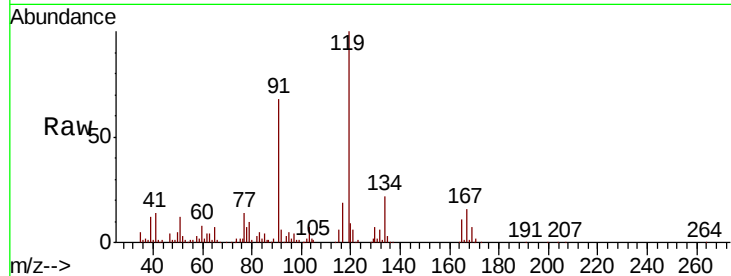
#83
tert-Butylbenzene
Concen: 23.127 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ratio	Resp	Lower	Upper
119	100	203948		
91	67.7		32.8	98.4
134	22.2		10.9	32.7

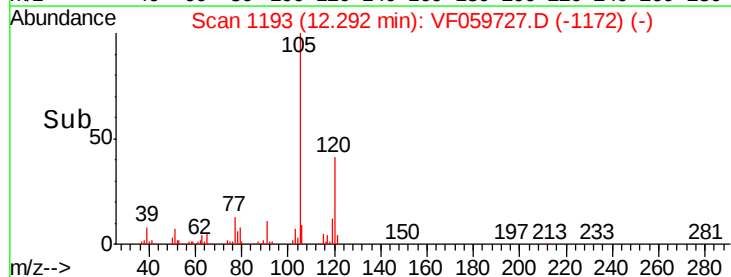
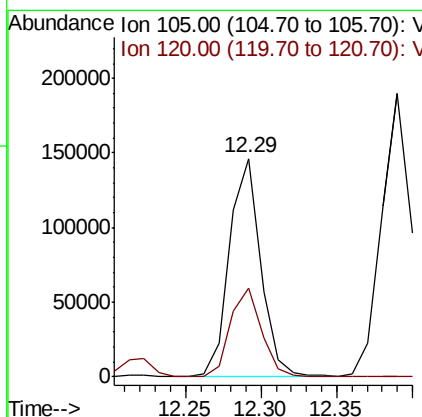
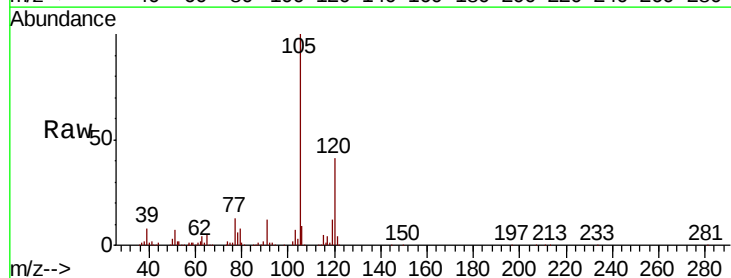
Manual Integrations
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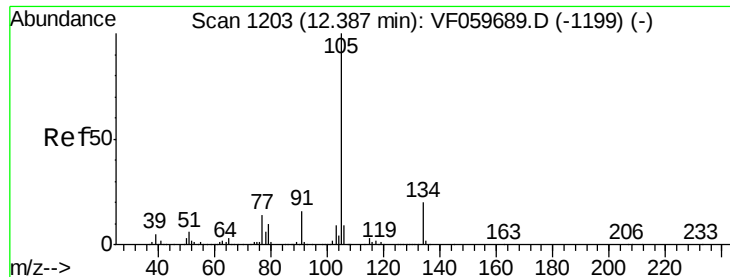
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#84
1,2,4-Trimethylbenzene
Concen: 24.228 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	210029		
120	40.7		21.1	63.3





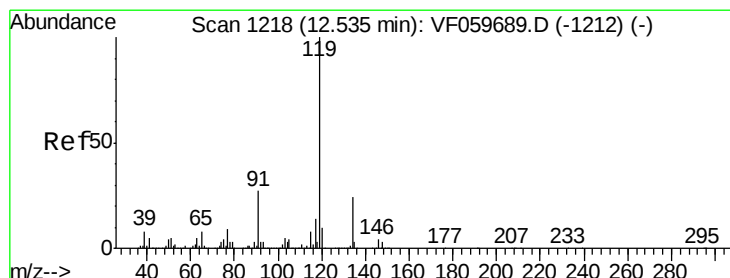
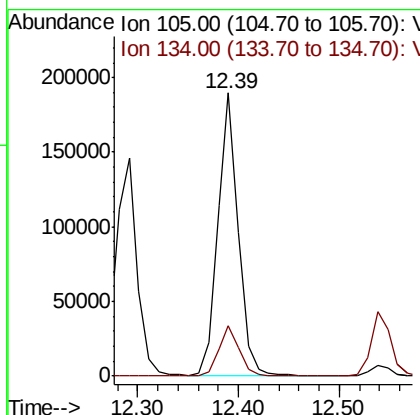
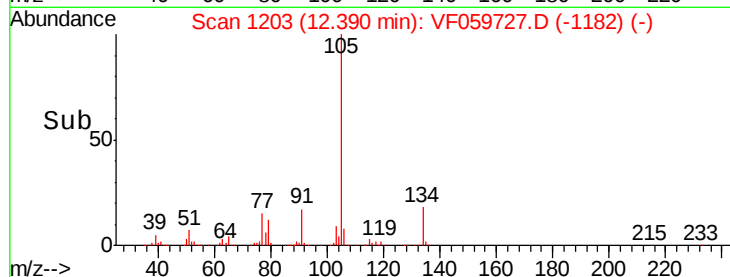
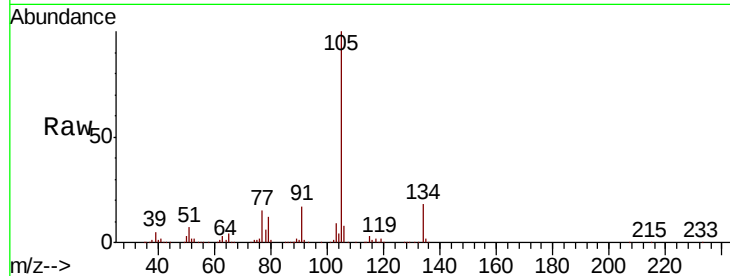
#85
 sec-Butylbenzene
 Concen: 23.719 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS03

Tot Ion	Ratio	Resp	Lower	Upper
105	100	266417		
134	17.9	9.8	29.3	

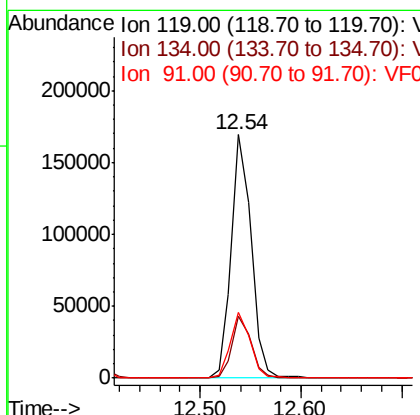
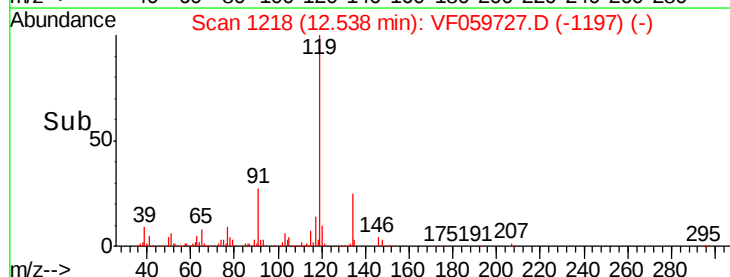
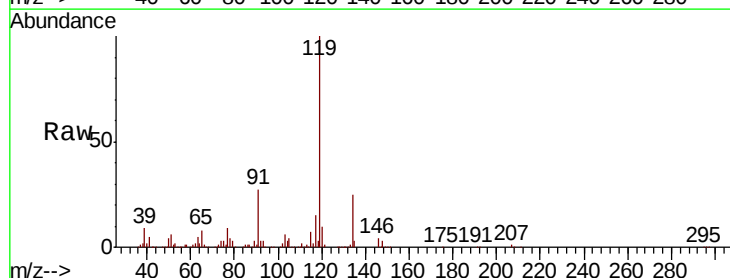
Manual Integrations
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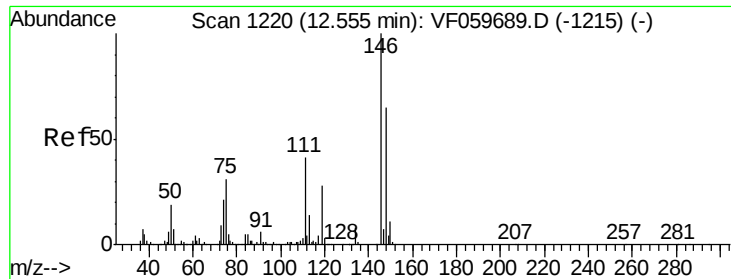
apatel
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#86
 p-Isopropyltoluene
 Concen: 23.662 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	232759		
134	25.4	12.2	36.6	
91	27.1	13.4	40.2	





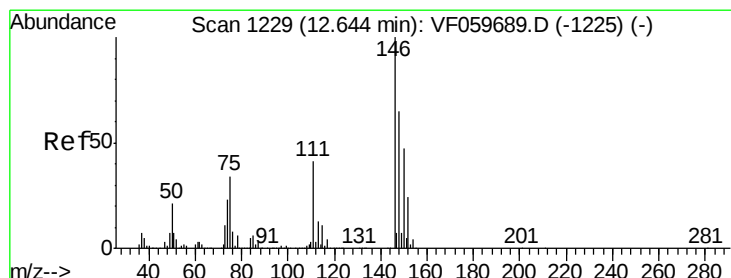
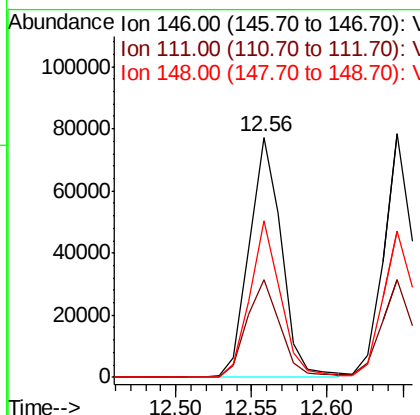
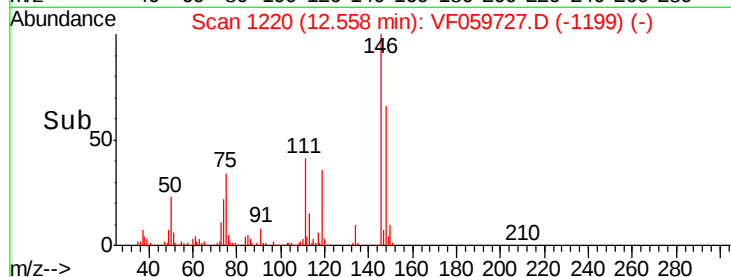
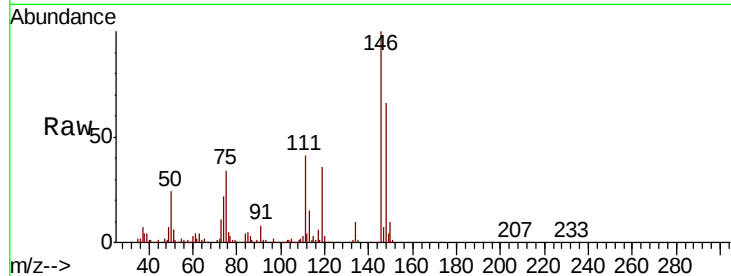
#87
 1,3-Dichlorobenzene
 Concen: 24.443 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.7	62.1
148	65.5	32.3	96.8

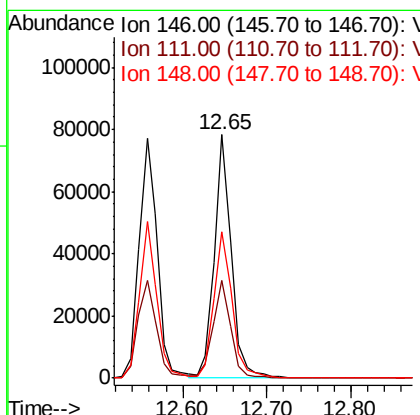
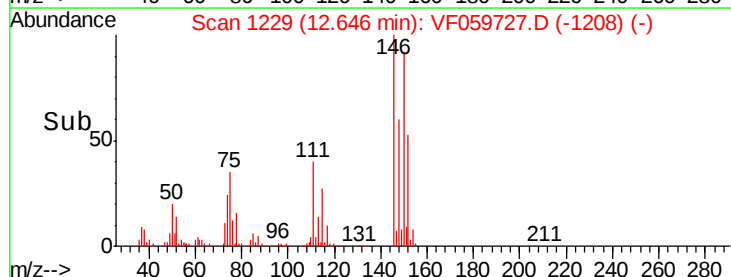
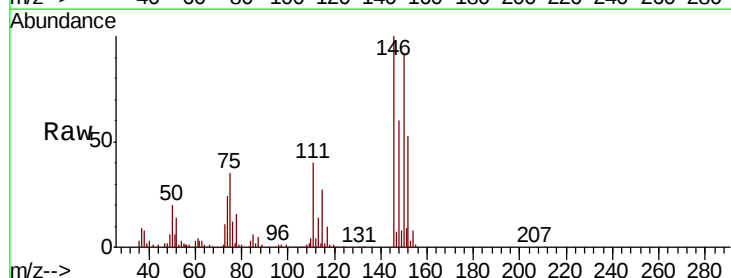
Manual Integrations
 APPROVED

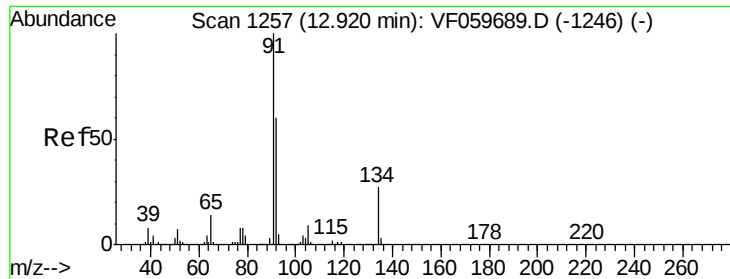
apatel
 8/1/2018 4:29:56 PM



#88
 1,4-Dichlorobenzene
 Concen: 24.062 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.8	62.2
148	59.9	32.3	96.9





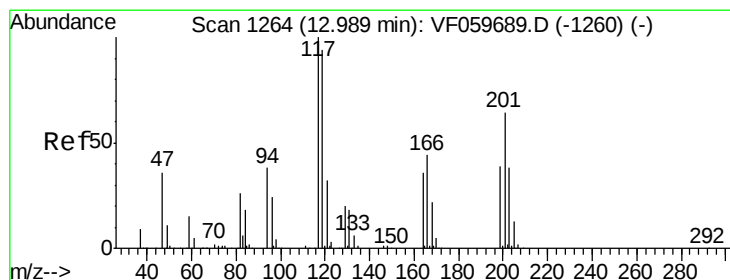
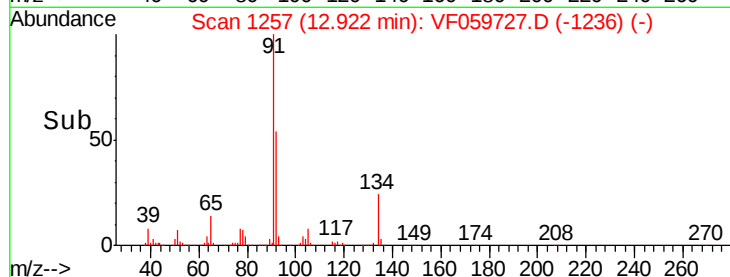
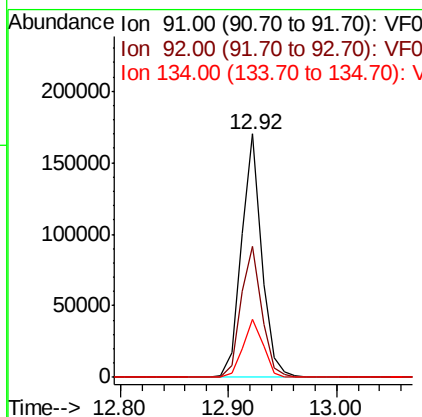
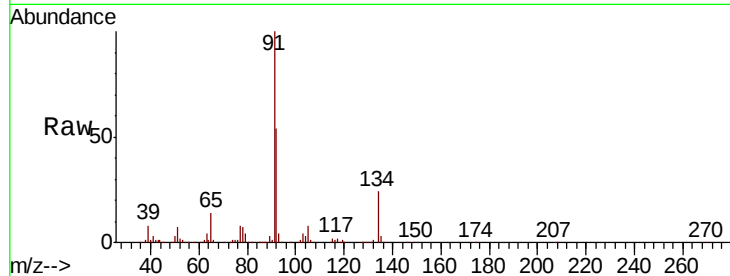
#89
n-Butylbenzene
Concen: 23.611 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	30.1	90.3
134	24.0	13.7	41.0

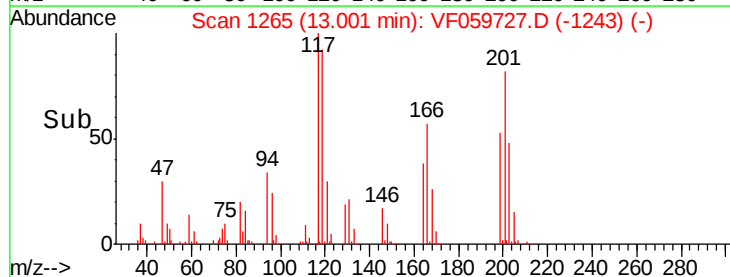
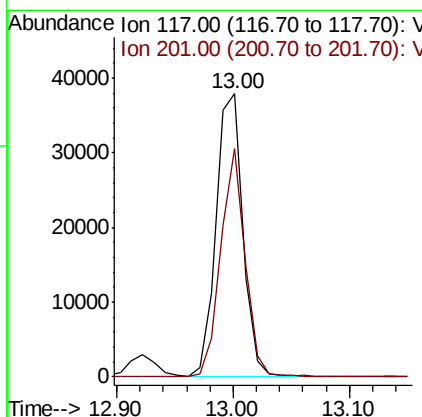
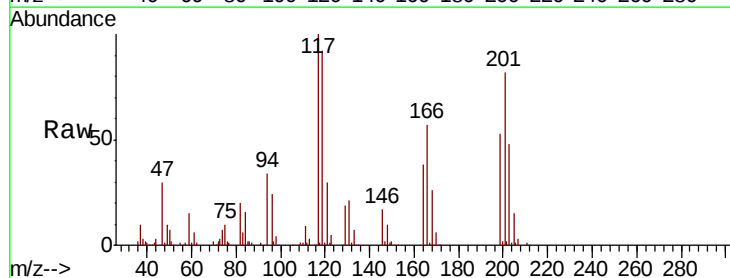
Manual Integrations
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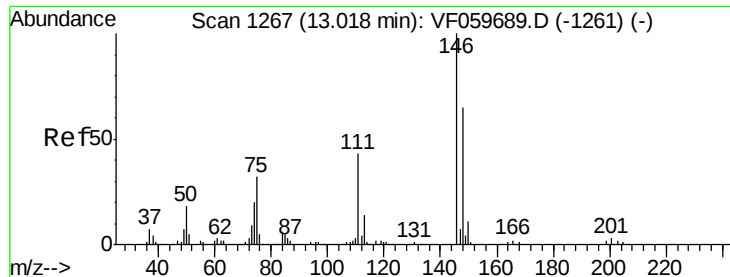
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#90
Hexachloroethane
Concen: 24.402 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.8	31.9	95.5





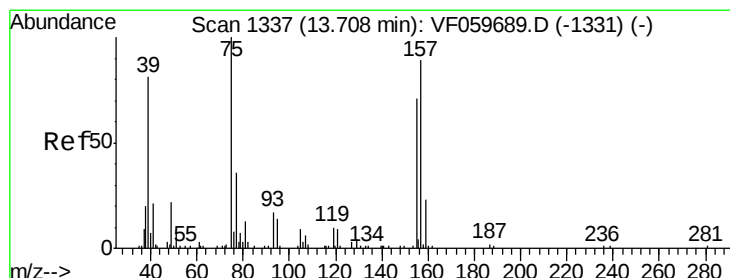
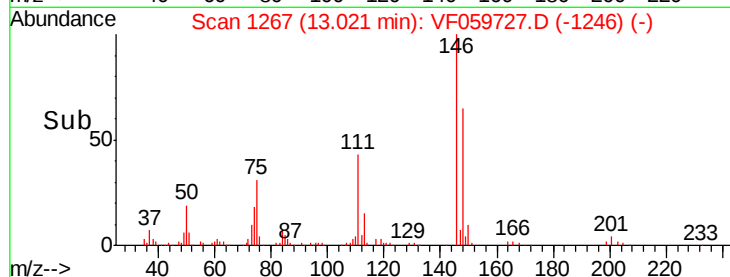
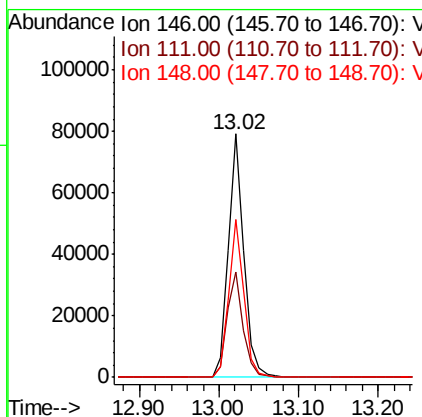
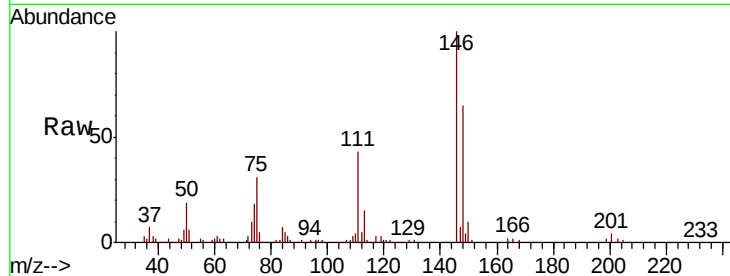
#91
 1,2-Dichlorobenzene
 Concen: 24.473 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS03

Tot Ion:	146	Resp:	109411
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.6	65.0
148	64.9	32.3	96.9

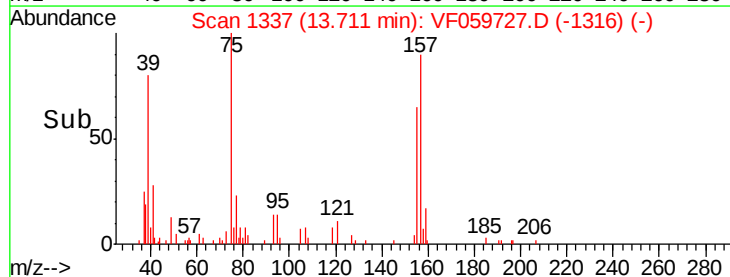
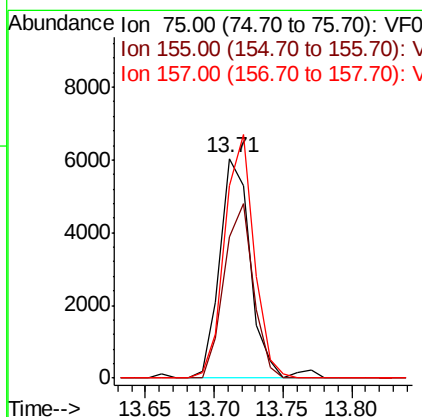
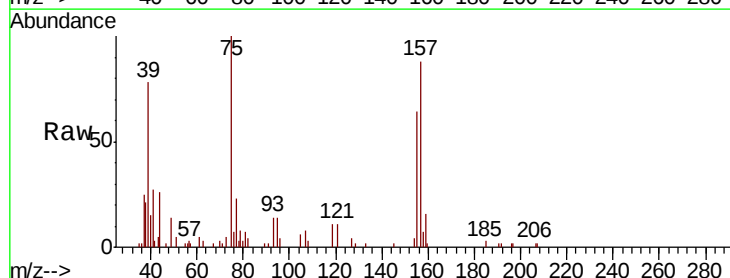
Manual Integrations
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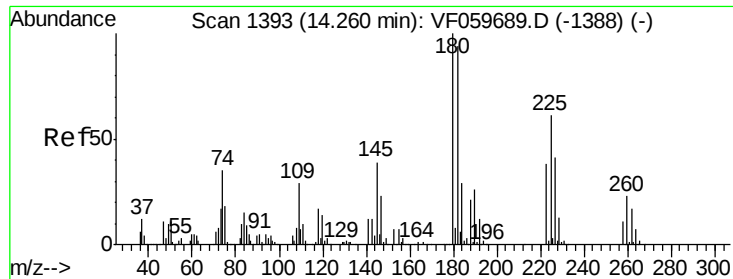
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.854 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Tgt Ion:	75	Resp:	9427
Ion Ratio	Lower	Upper	
75	100		
155	64.1	35.4	106.2
157	87.8	44.4	133.2





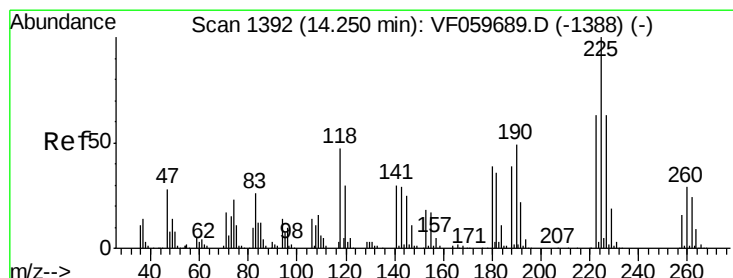
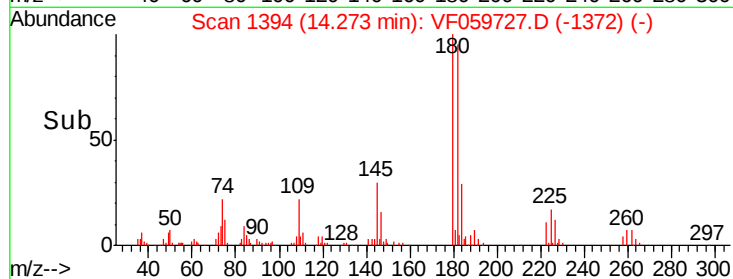
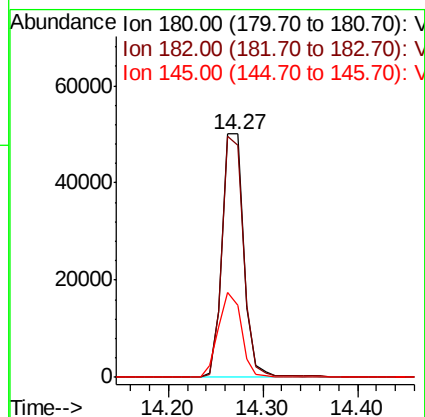
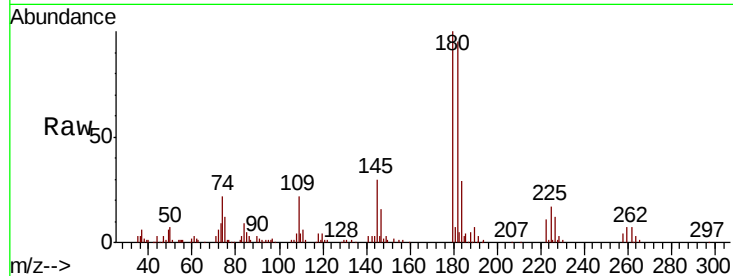
#93
 1,2,4-Trichlorobenzene
 Concen: 21.601 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. 0.01 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS03

Tot Ion	Ratio	Resp	Lower	Upper
180	100	79308		
182	95.3	47.2	141.6	
145	29.6	19.3	57.9	

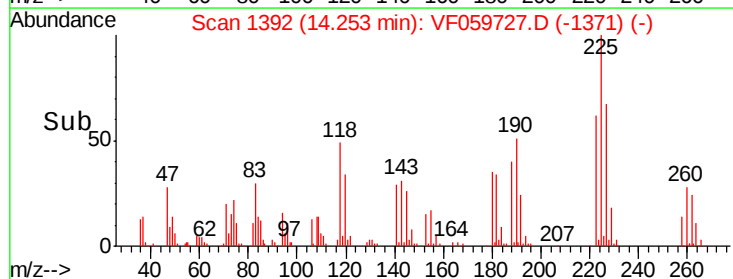
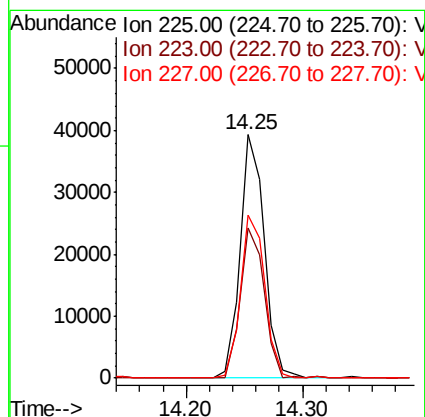
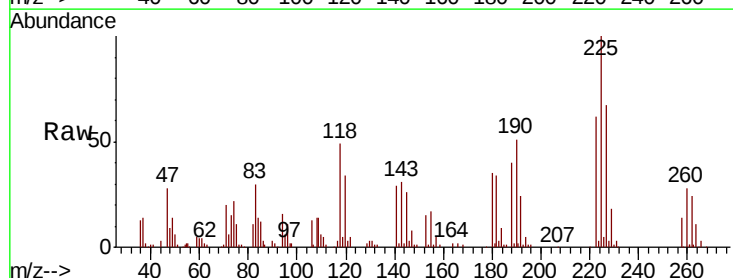
Manual Integrations
 APPROVED

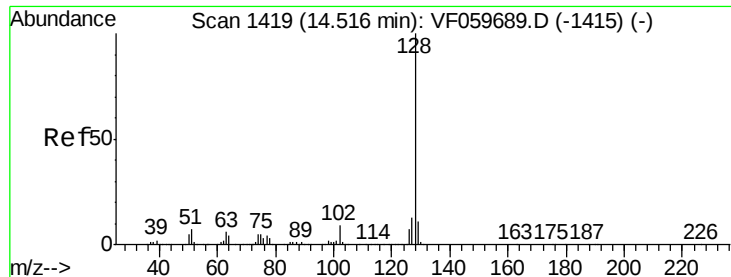
apatel
 8/1/2018 4:29:56 PM



#94
 Hexachlorobutadiene
 Concen: 23.124 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059727.D
 Acq: 1 Aug 2018 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56786		
223	61.9	31.4	94.2	
227	67.0	31.5	94.5	





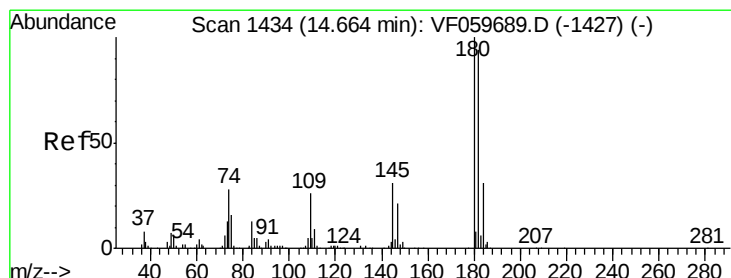
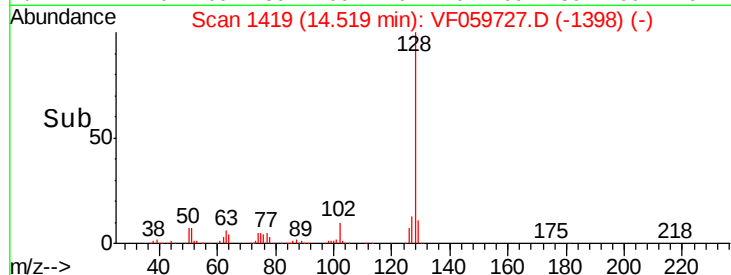
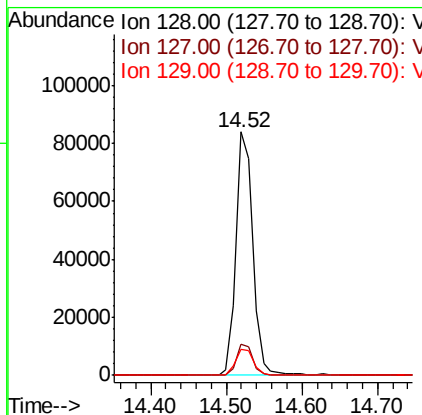
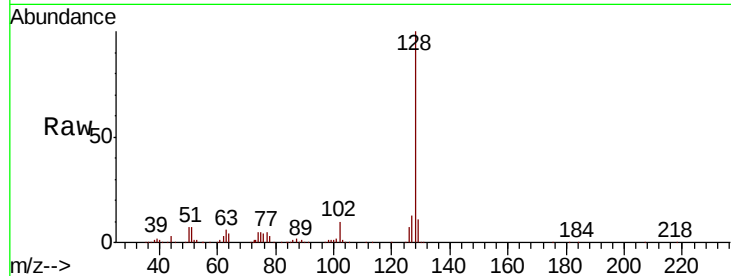
#95
Naphthalene
Concen: 19.832 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS03

Tot Ion	Ratio	Resp	Lower	Upper
128	100	128012		
127	12.5	10.0	15.0	
129	10.8	8.6	13.0	

Manual Integrations
APPROVED

apatel
8/1/2018 4:29:56 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.094 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059727.D
Acq: 1 Aug 2018 1:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	78826		
182	98.3	47.2	141.6	
145	31.9	15.6	46.7	

