

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059703.D
 Acq On : 31 Jul 2018 12:24
 Operator : VA/AP
 Sample : VF0731SBS01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 84 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS01

Manual Integrations
 APPROVED

apatel
 8/1/2018 2:08:29 PM

Quant Time: Jul 31 13:21:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:19:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	188626	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	266588	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	241159	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	163443	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	163269	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	
35) Dibromofluoromethane	4.29	113	140360	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	7.71	98	309393	47.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.84%	
62) 4-Bromofluorobenzene	11.51	95	165789	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	0.99	85	3241m	Below Cal	
3) Chloromethane	1.08	50	7843	2.483 ug/l #	84
4) Vinyl Chloride	1.16	62	9807	5.098 ug/l	94
5) Bromomethane	1.33	94	11971m	9.033 ug/l	
6) Chloroethane	1.42	64	10732	11.772 ug/l	90
7) Trichlorofluoromethane	1.53	101	51606m	14.650 ug/l	
8) Diethyl Ether	1.70	74	10175	16.893 ug/l	75
9) 1,1,2-Trichlorotrifluoroet	1.90	101	34589	18.748 ug/l	98
10) Methyl Iodide	1.96	142	56400m	19.395 ug/l	
11) Tert butyl alcohol	2.67	59	14968	108.681 ug/l #	92
12) 1,1-Dichloroethene	1.86	96	27784	19.020 ug/l	78
13) Acrolein	2.08	56	3904	67.090 ug/l	85
14) Allyl chloride	2.18	41	50515	21.659 ug/l	89
15) Acrylonitrile	3.08	53	23598	107.772 ug/l #	90
16) Acetone	2.33	43	63784	104.605 ug/l	97
17) Carbon Disulfide	1.84	76	58672m	15.866 ug/l	
18) Methyl Acetate	2.45	43	17827	15.400 ug/l #	86
19) Methyl tert-butyl Ether	2.54	73	90007	20.205 ug/l	95
20) Methylene Chloride	2.27	84	30439m	18.405 ug/l	
21) trans-1,2-Dichloroethene	2.41	96	30594	22.525 ug/l	97
22) Diisopropyl ether	2.92	45	104437	21.175 ug/l	99
23) Vinyl Acetate	3.33	43	283969	111.989 ug/l	100
24) 1,1-Dichloroethane	3.00	63	74298	21.683 ug/l	99
25) 2-Butanone	4.51	43	69829	102.616 ug/l #	81
26) 2,2-Dichloropropane	3.76	77	54481	22.304 ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	41959	22.867 ug/l	81
28) Bromochloromethane	3.89	49	31708	24.207 ug/l #	72
29) Tetrahydrofuran	4.25	42	26455	101.150 ug/l #	93
30) Chloroform	4.03	83	102900	21.278 ug/l	95
31) Cyclohexane	3.86	56	40336	21.978 ug/l	94
32) 1,1,1-Trichloroethane	4.27	97	83352	22.220 ug/l	95
36) 1,1-Dichloropropene	4.45	75	60423	20.019 ug/l	94
37) Ethyl Acetate	4.29	43	27231	17.451 ug/l #	66
38) Carbon Tetrachloride	4.16	117	90724	21.404 ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	54604	24.306	ug/l	95
40) Benzene	4.80	78	115981	21.543	ug/l	99
41) Methacrylonitrile	4.92	41	15530	21.543	ug/l #	94
42) 1,2-Dichloroethane	5.12	62	79125	21.001	ug/l	99
43) Isopropyl Acetate	7.11	43	31234	19.594	ug/l #	97
44) Trichloroethene	5.67	130	47894	23.763	ug/l	93
45) 1,2-Dichloropropane	6.40	63	31619	22.239	ug/l	98
46) Dibromomethane	6.25	93	27611	20.455	ug/l	89
47) Bromodichloromethane	6.55	83	78902	21.465	ug/l #	99
48) Methyl methacrylate	6.87	41	22645	18.886	ug/l	98
49) 1,4-Dioxane	6.87	88	3838	482.093	ug/l #	76
51) 4-Methyl-2-Pentanone	8.40	43	125792	103.737	ug/l	97
52) Toluene	7.78	92	83814	21.903	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	64871	20.339	ug/l	97
54) cis-1,3-Dichloropropene	7.46	75	67214	21.756	ug/l	94
55) 1,1,2-Trichloroethane	8.64	97	30966	21.238	ug/l #	89
56) Ethyl methacrylate	8.77	69	28673	18.857	ug/l	93
57) 1,3-Dichloropropane	9.00	76	50937	20.364	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.78	63	17613	100.322	ug/l	100
59) 2-Hexanone	9.63	43	96190	98.988	ug/l	98
60) Dibromochloromethane	8.86	129	54368	21.132	ug/l	94
61) 1,2-Dibromoethane	9.14	107	35547	20.878	ug/l	87
64) Tetrachloroethene	8.30	164	42325	23.672	ug/l	97
65) Chlorobenzene	9.94	112	111539	23.121	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	55011	24.425	ug/l	92
67) Ethyl Benzene	10.04	91	203118	24.335	ug/l	98
68) m/p-Xylenes	10.26	106	143032	50.988	ug/l	94
69) o-Xylene	10.83	106	79727	25.923	ug/l	89
70) Styrene	10.91	104	117803	25.284	ug/l	97
71) Bromoform	10.90	173	33103	22.556	ug/l	99
73) Isopropylbenzene	11.23	105	263039	24.528	ug/l	96
74) N-amyl acetate	11.47	43	52268	19.318	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	45245	22.413	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	37623	21.917	ug/l	94
77) Bromobenzene	11.60	156	61192	21.851	ug/l	93
78) n-propylbenzene	11.68	91	303519	25.118	ug/l	96
79) 2-Chlorotoluene	11.81	91	173161	22.626	ug/l	96
80) 1,3,5-Trimethylbenzene	11.91	105	231613	24.772	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	21538	30.297	ug/l	88
82) 4-Chlorotoluene	11.99	91	188680	23.396	ug/l	97
83) tert-Butylbenzene	12.22	119	234501	24.358	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	228985	24.190	ug/l	100
85) sec-Butylbenzene	12.38	105	297526	24.402	ug/l	98
86) p-Isopropyltoluene	12.54	119	260393	24.404	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	121922	23.572	ug/l	99
88) 1,4-Dichlorobenzene	12.65	146	117525	23.196	ug/l	98
89) n-Butylbenzene	12.92	91	248176	24.445	ug/l	93
90) Hexachloroethane	13.00	117	67209	24.847	ug/l	95
91) 1,2-Dichlorobenzene	13.01	146	119834	24.569	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	10134	20.535	ug/l	92

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ClientSampleId :
VF0731SBSD01

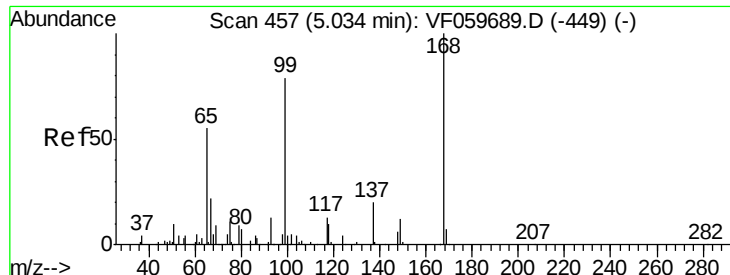
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	88859	22.309	µg/l	97
94) Hexachlorobutadiene	14.26	225	61037	22.768	µg/l	95
95) Naphthalene	14.52	128	148135	21.022	µg/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	80458	20.657	µg/l	95

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



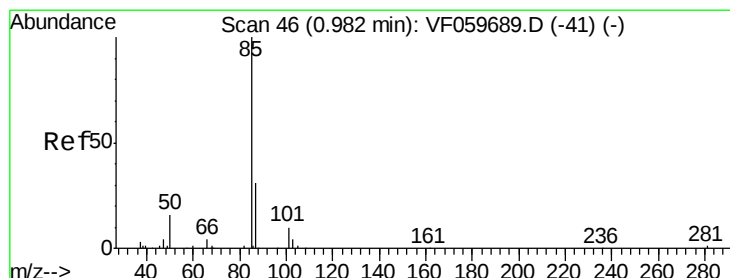
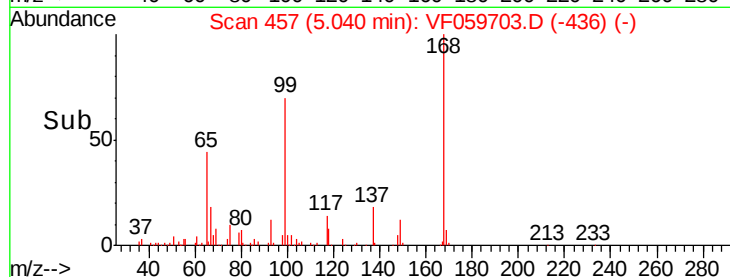
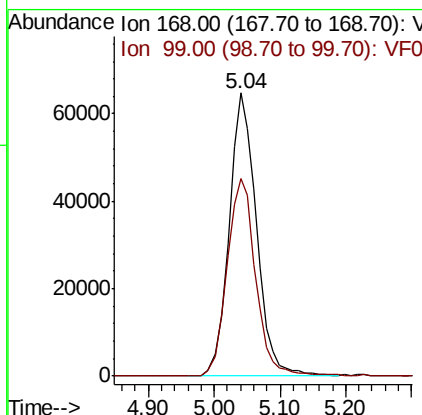
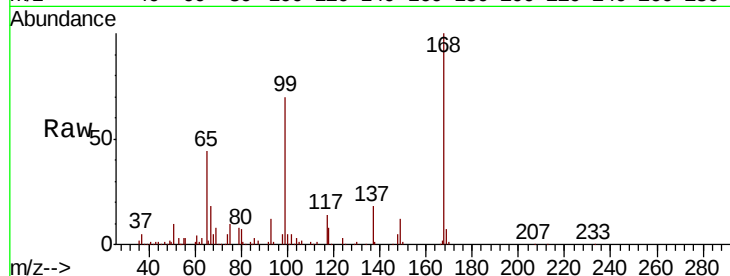
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.04 min Scan# 457
Delta R.T. 0.01 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

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MSVOA_F
ClientSampleId :
VF0731SBS01

Tot Ion	Ratio	Resp	Lower	Upper
168	100	188626		
99	69.7	63.3	94.9	

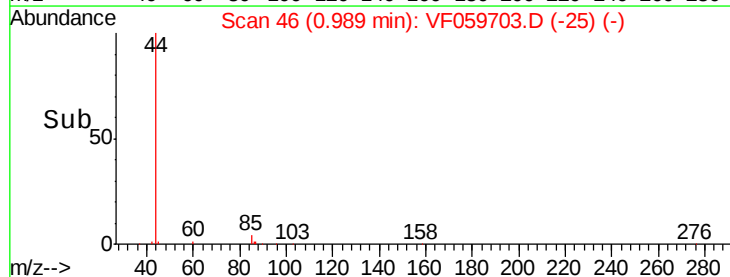
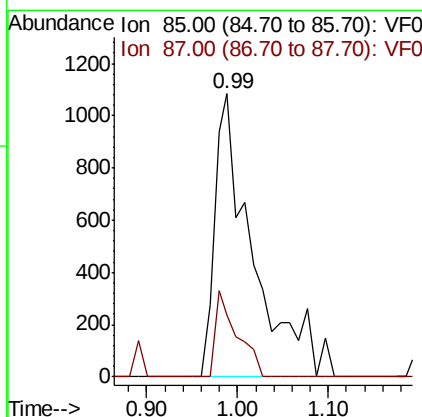
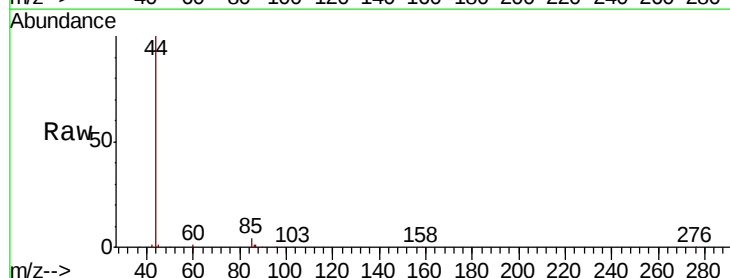
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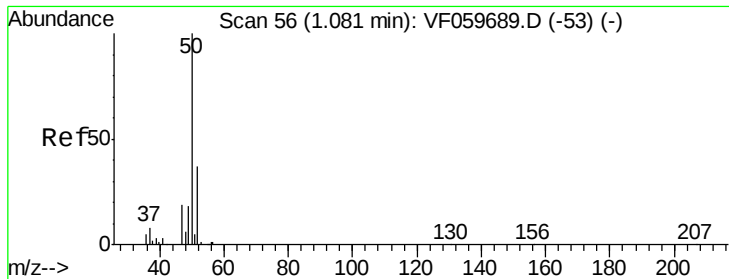
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#2
Dichlorodifluoromethane
Concen: Below Cal m
RT: 0.99 min Scan# 46
Delta R.T. 0.01 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	3241		
87	22.0	15.3	45.8	





#3

Chloromethane

Concen: 2.483 ug/l

RT: 1.08 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS01

Tot Ion: 50 Resp: 7843

Ion Ratio Lower Upper

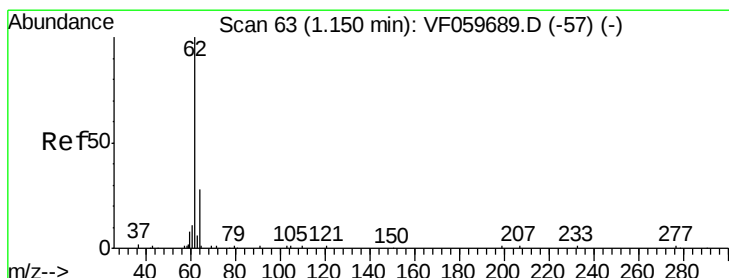
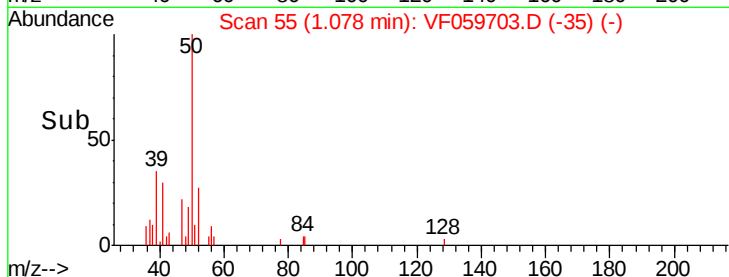
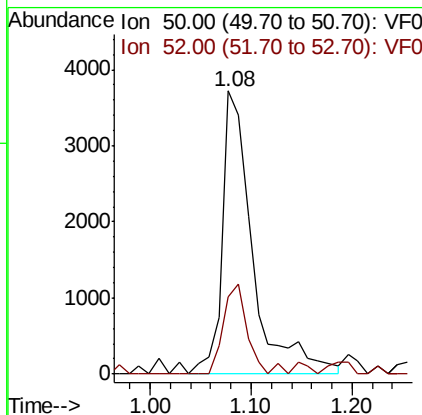
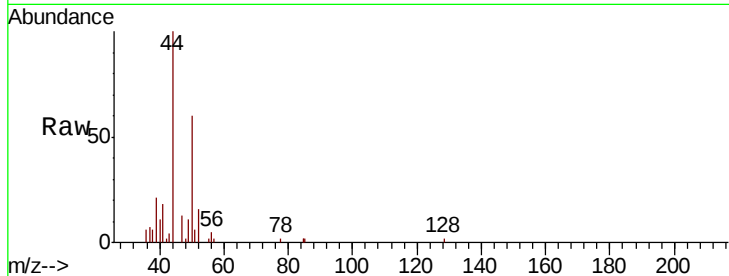
50 100

52 27.1 29.1 43.7#

Manual Integrations
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#4

Vinyl Chloride

Concen: 5.098 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF059703.D

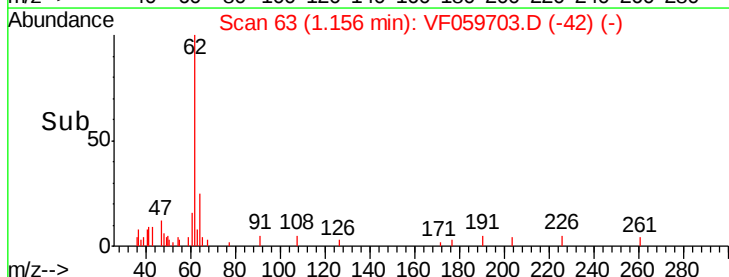
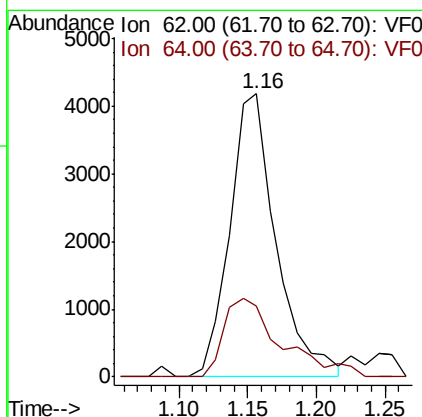
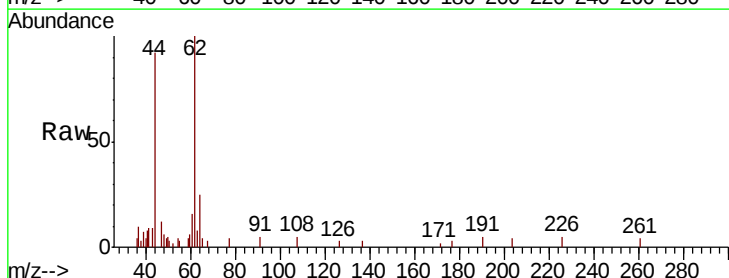
Acq: 31 Jul 2018 12:24

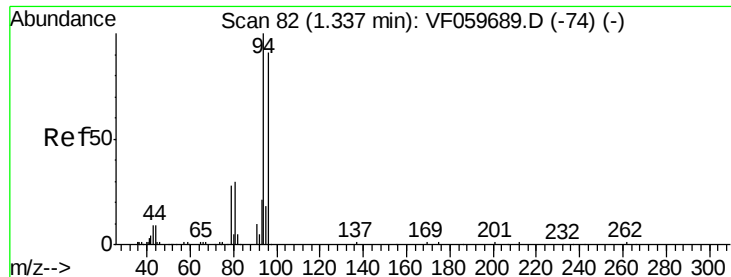
Tgt Ion: 62 Resp: 9807

Ion Ratio Lower Upper

62 100

64 25.2 22.6 33.8





#5

Bromomethane

Concen: 9.033 ug/l m

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS01

Tot Ion: 94 Resp: 11971

Ion Ratio Lower Upper

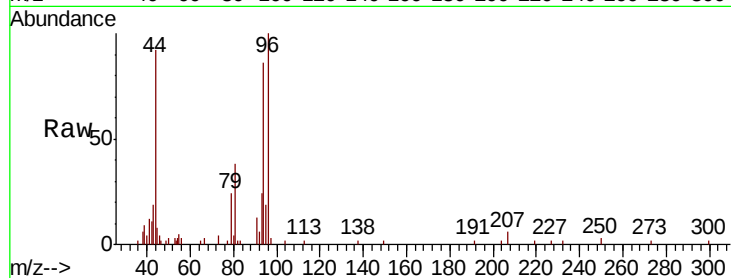
94 100

96 116.6 73.6 110.4#

Manual Integrations
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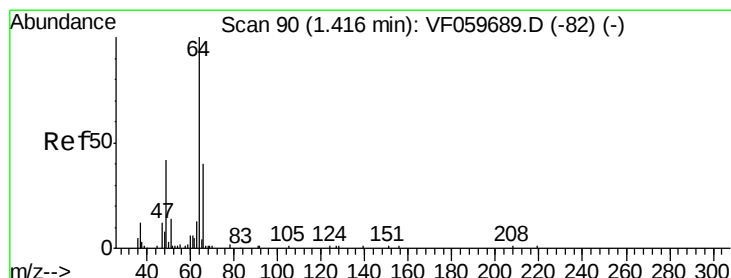
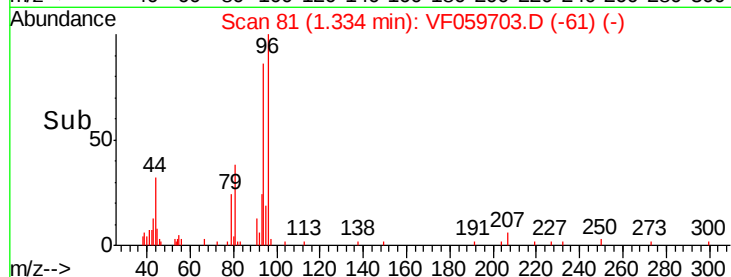
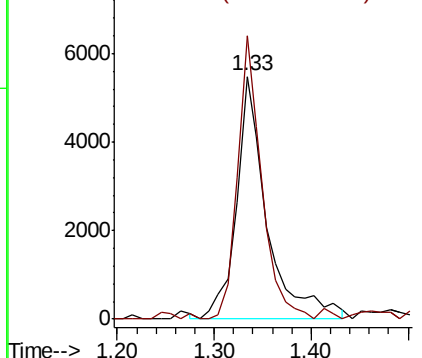
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 11.772 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.01 min

Lab File: VF059703.D

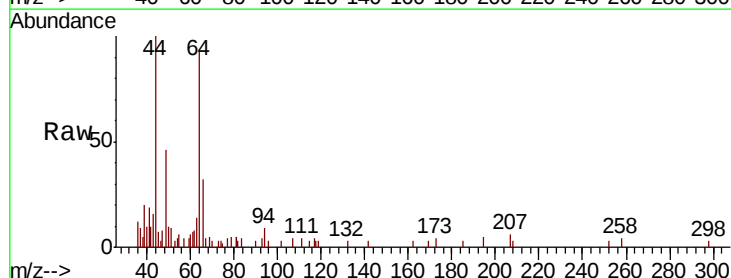
Acq: 31 Jul 2018 12:24

Tgt Ion: 64 Resp: 10732

Ion Ratio Lower Upper

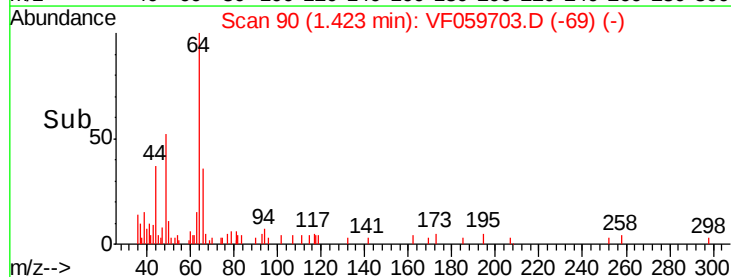
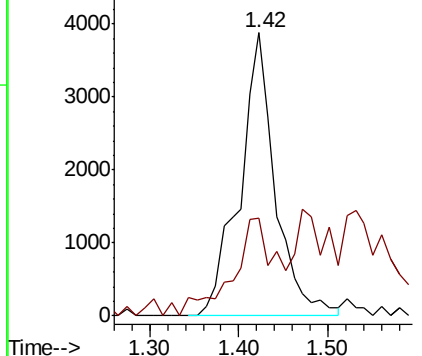
64 100

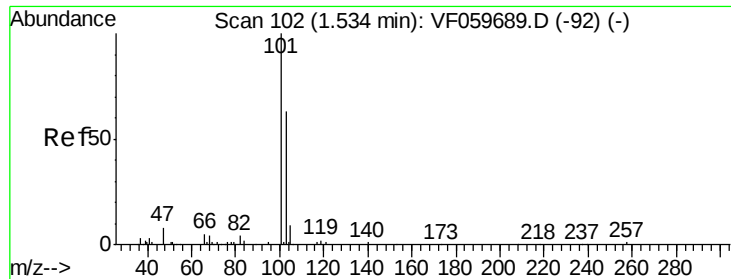
66 34.6 32.6 49.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

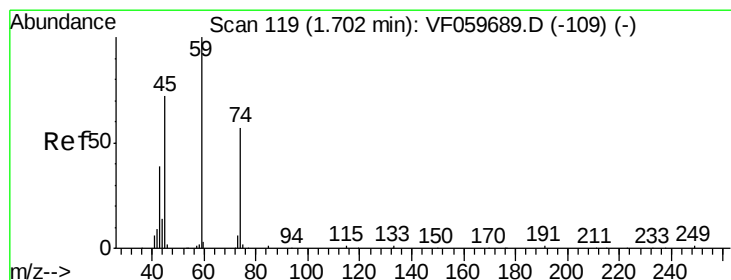
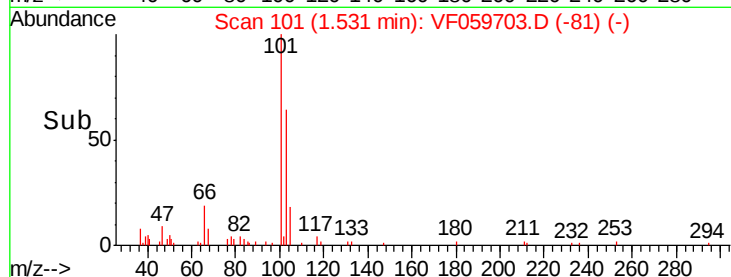
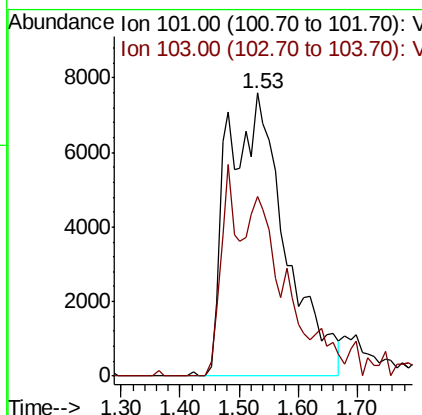
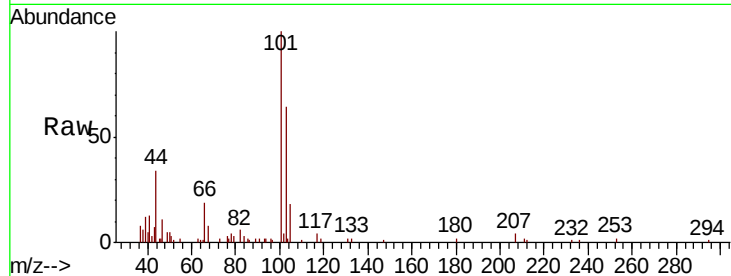
Trichlorofluoromethane
Concen: 14.650 ug/l m
RT: 1.53 min Scan# 101
Delta R.T. -0.00 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.7	50.8	76.2

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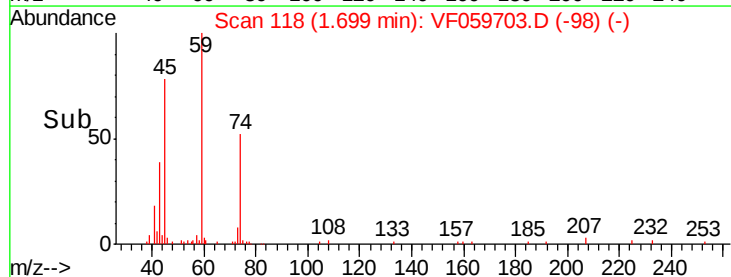
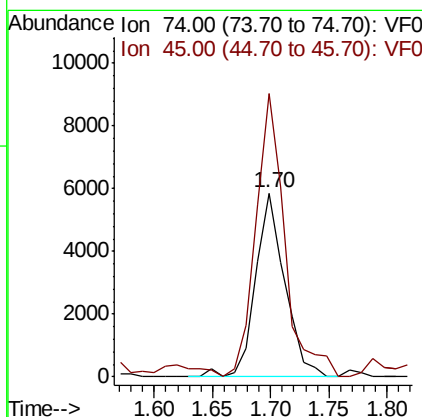
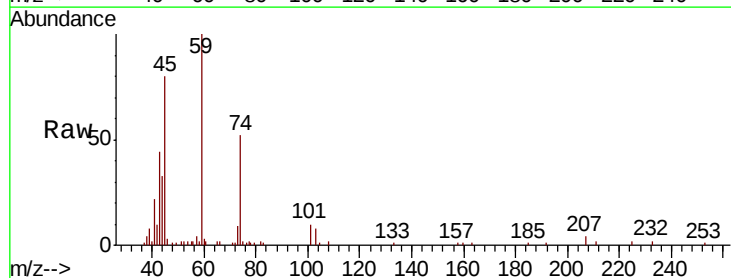
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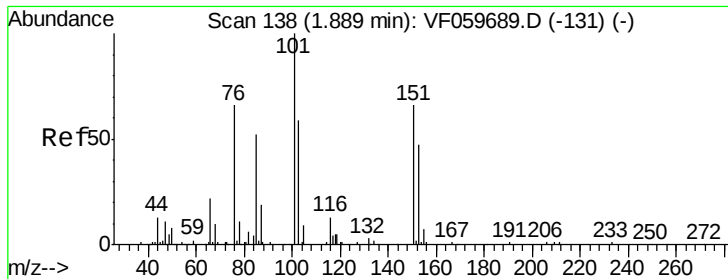


#8

Diethyl Ether
Concen: 16.893 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	154.1	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.748 ug/l

RT: 1.90 min Scan# 138

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

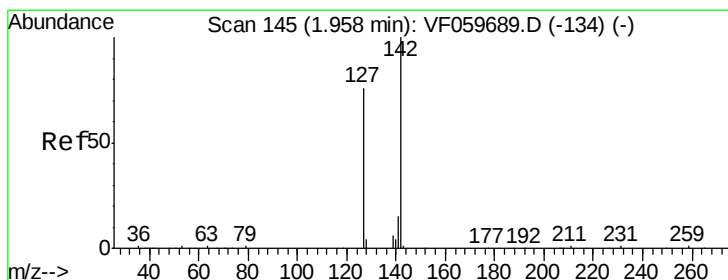
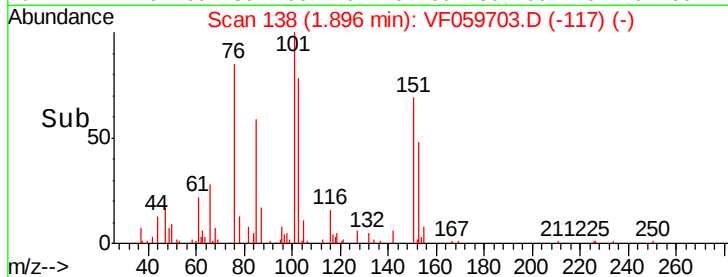
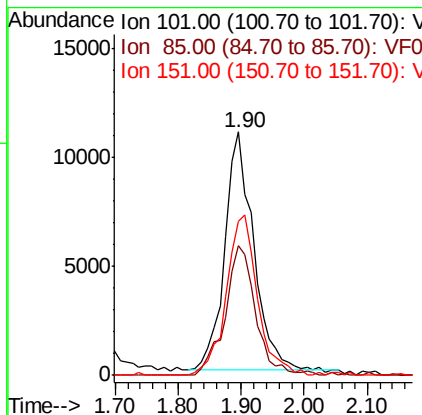
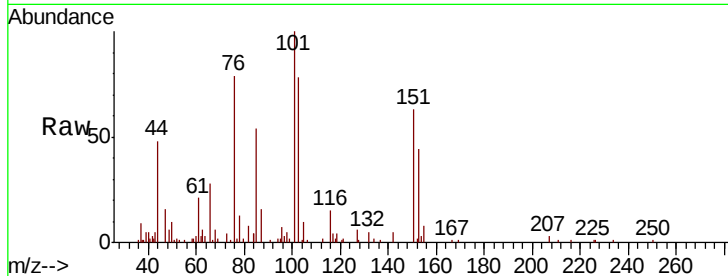
ClientSampleId :

VF0731SBS01

Tot Ion:	101	Resp:	34589
Ion Ratio	Lower	Upper	
101	100		
85	53.5	40.7	61.1
151	63.4	51.4	77.2

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#10

Methyl Iodide

Concen: 19.395 ug/l m

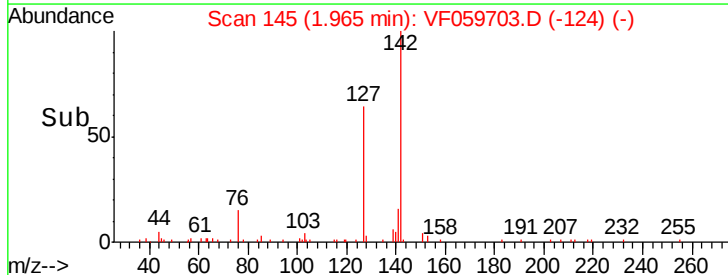
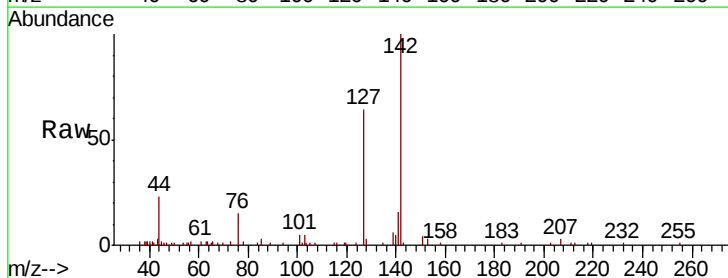
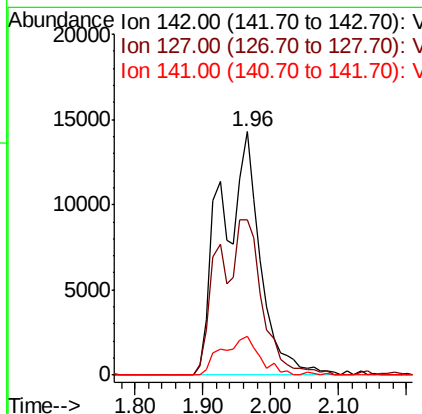
RT: 1.96 min Scan# 145

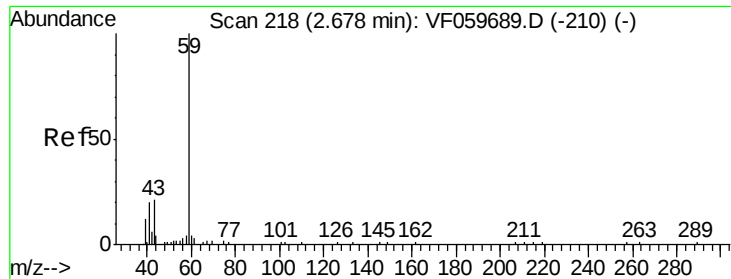
Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Tgt Ion:	142	Resp:	56400
Ion Ratio	Lower	Upper	
142	100		
127	63.9	60.6	91.0
141	15.7	12.0	18.0





#11

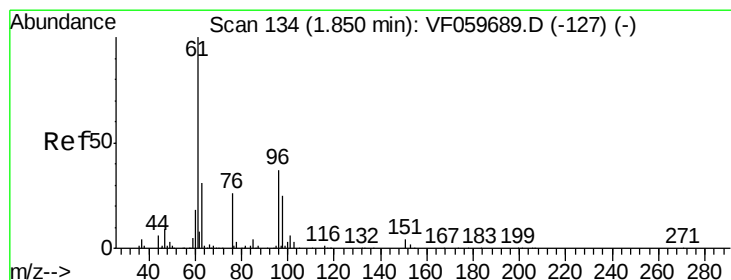
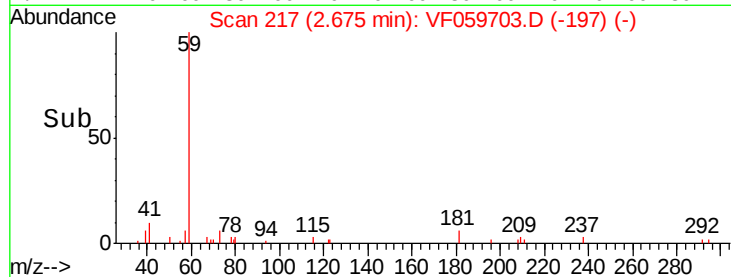
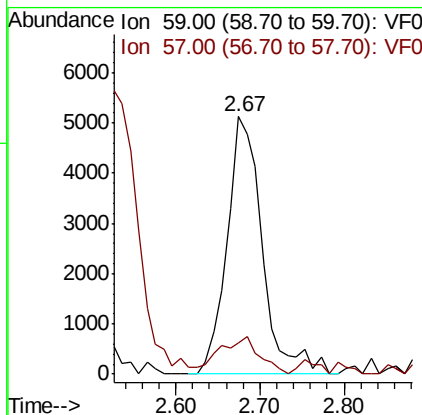
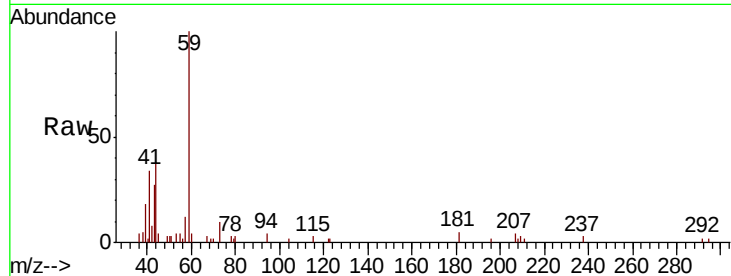
Tert butyl alcohol
Concen: 108.681 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.00 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS01

Tot Ion	59	57	Ratio	100	12.3	Resp	14968	Lower	7.6	Upper	11.4#
Ion	59	57	Ratio	100	12.3	Resp	14968	Lower	7.6	Upper	11.4#

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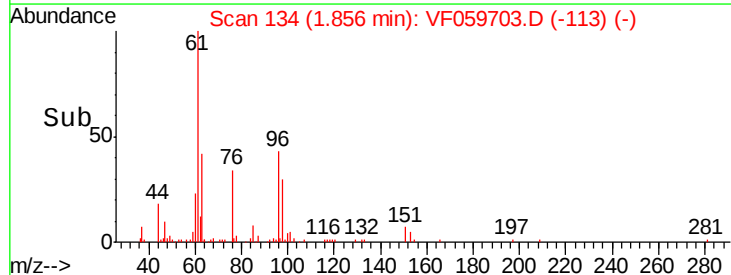
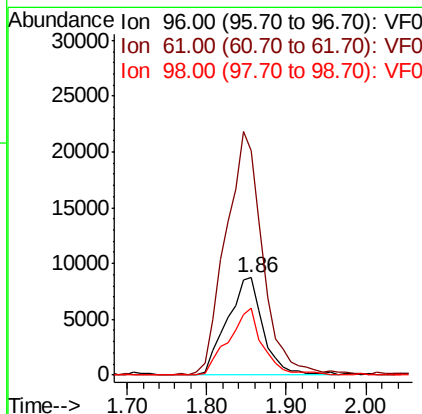
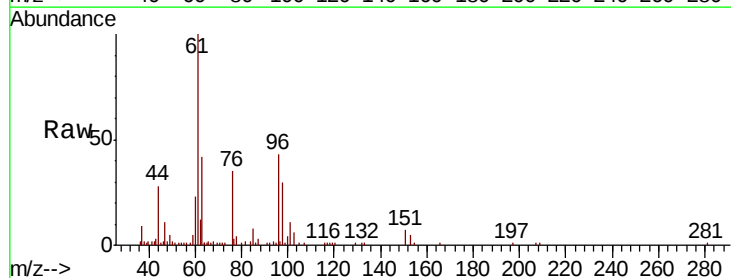
apatel
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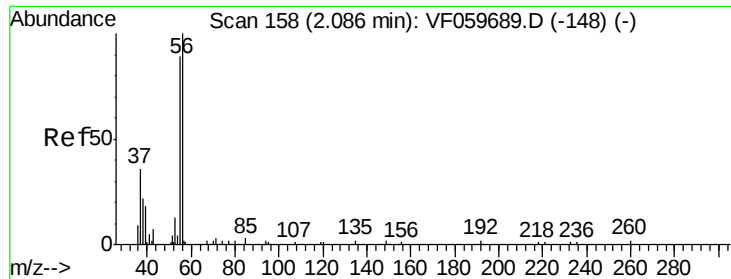


#12

1,1-Dichloroethene
Concen: 19.020 ug/l
RT: 1.86 min Scan# 134
Delta R.T. 0.01 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Tgt Ion	96	61	98	Ratio	100	219.7	67.6	Resp	27784	Lower	215.1	54.3	Upper	322.7	81.5
Ion	96	61	98	Ratio	100	219.7	67.6	Resp	27784	Lower	215.1	54.3	Upper	322.7	81.5





#13

Acrolein

Concen: 67.090 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS01

Tot Ion: 56 Resp: 3904

Ion Ratio Lower Upper

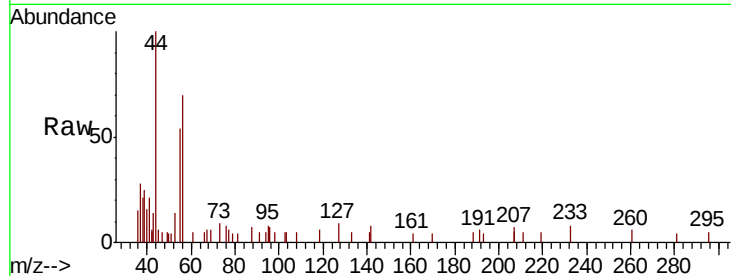
56 100

55 77.2 73.2 109.8

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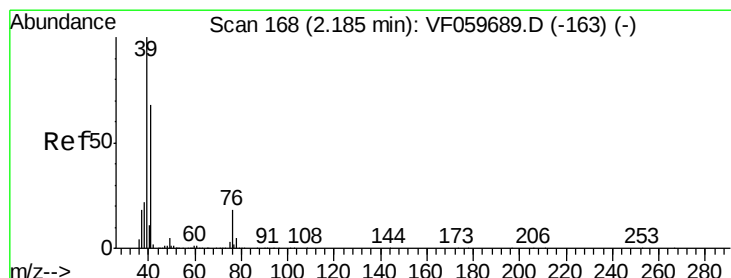
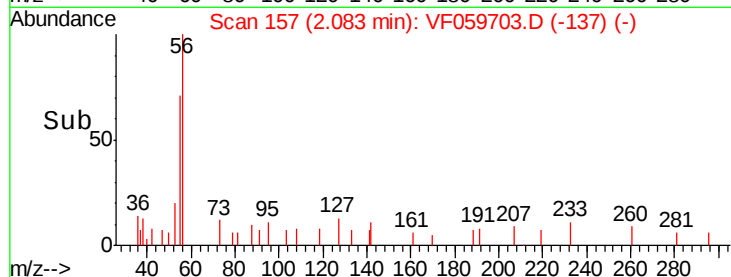
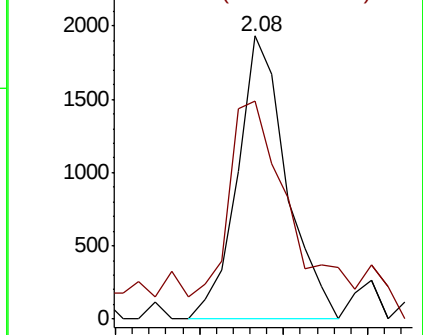
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 21.659 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

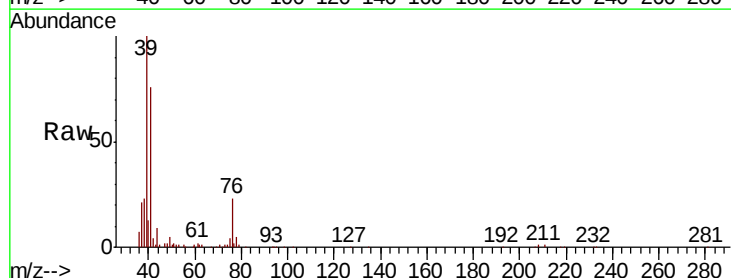
Tgt Ion: 41 Resp: 50515

Ion Ratio Lower Upper

41 100

39 131.8 118.1 177.1

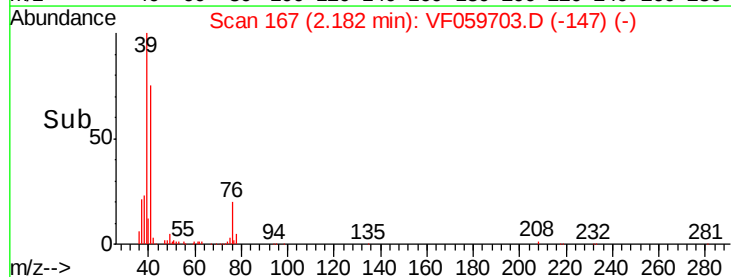
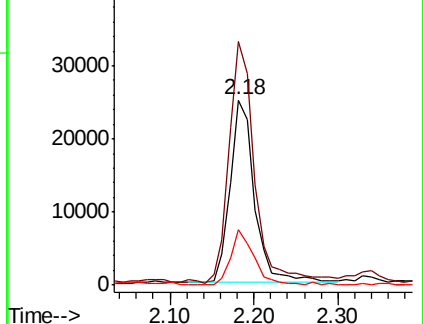
76 29.8 22.0 33.0

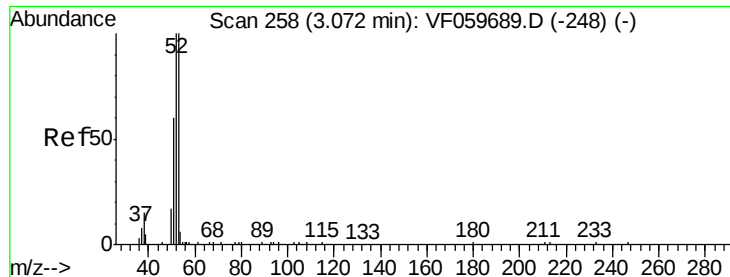


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 107.772 ug/l

RT: 3.08 min Scan# 258

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

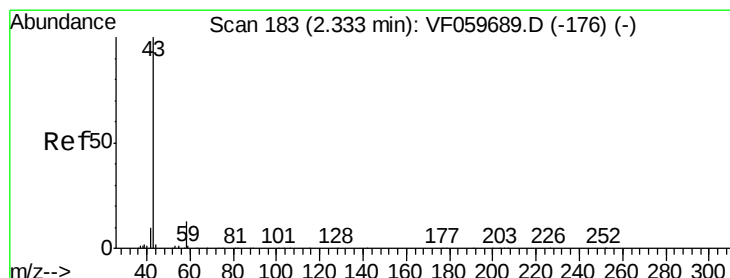
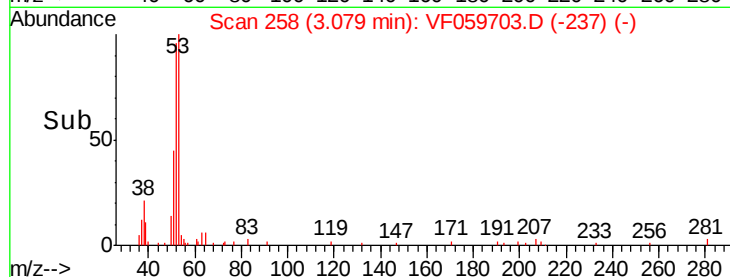
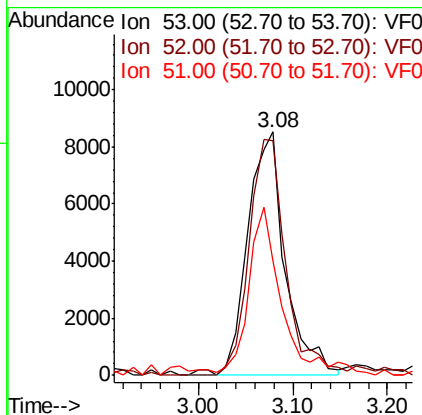
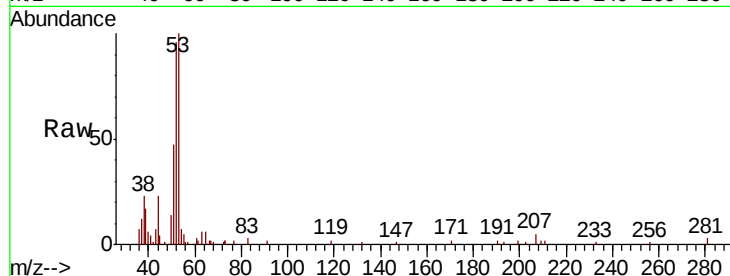
ClientSampleId :

VF0731SBS01

Tot Ion:	53	Resp:	23598
Ion	Ratio	Lower	Upper
53	100		
52	96.2	80.3	120.5
51	47.1	49.4	74.0#

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#16

Acetone

Concen: 104.605 ug/l

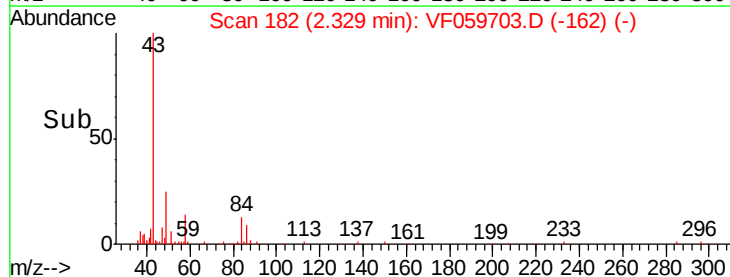
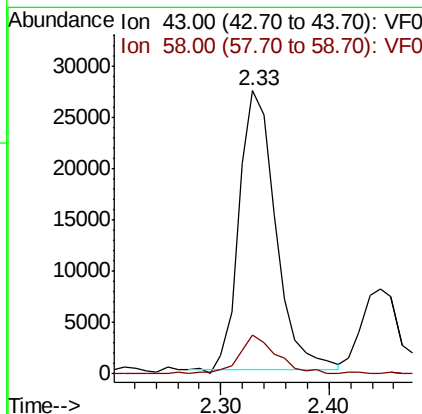
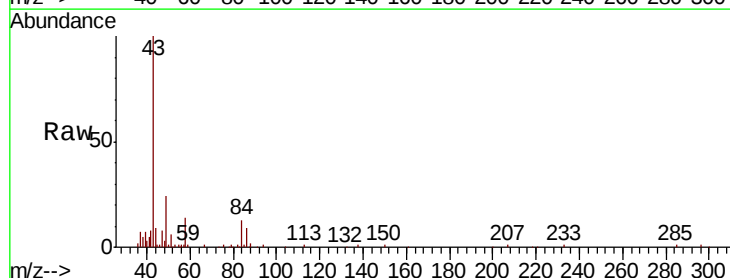
RT: 2.33 min Scan# 182

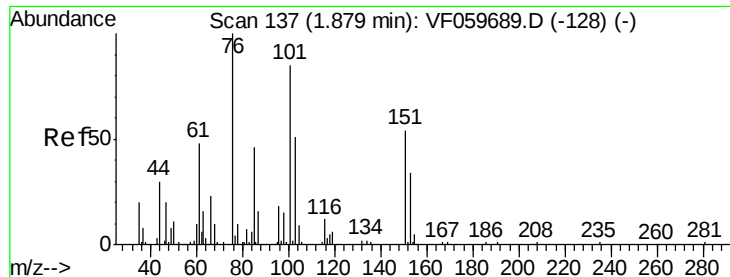
Delta R.T. -0.00 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Tgt Ion:	43	Resp:	63784
Ion	Ratio	Lower	Upper
43	100		
58	13.7	10.1	15.1





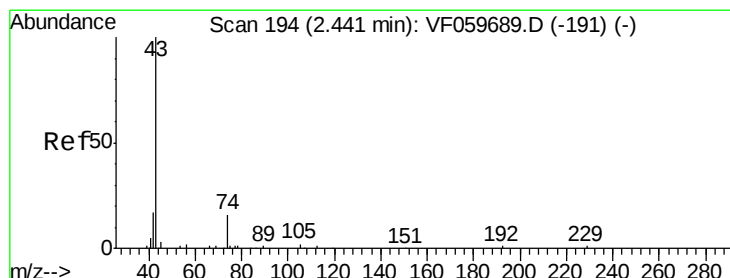
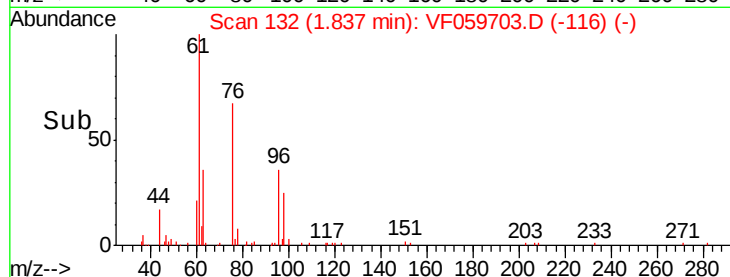
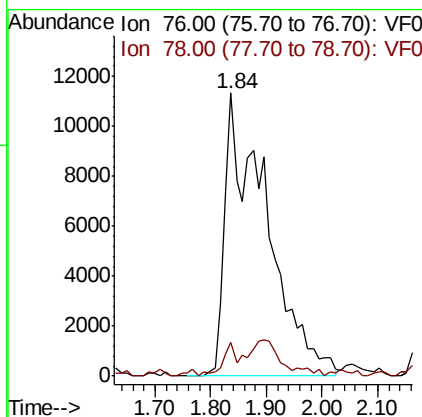
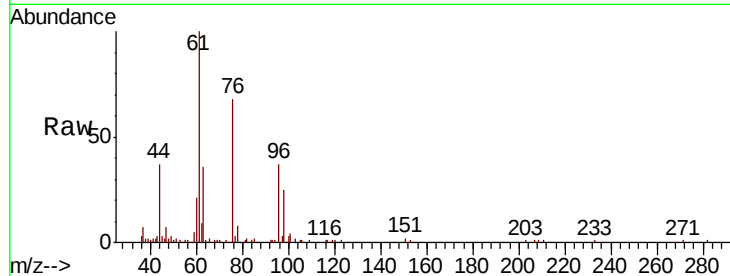
#17
Carbon Disulfide
Concen: 15.866 ug/l m
RT: 1.84 min Scan# 132
Delta R.T. -0.04 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBSD01

Tot Ion: 76 Resp: 58672
Ion Ratio Lower Upper
76 100
78 11.9 8.9 13.3

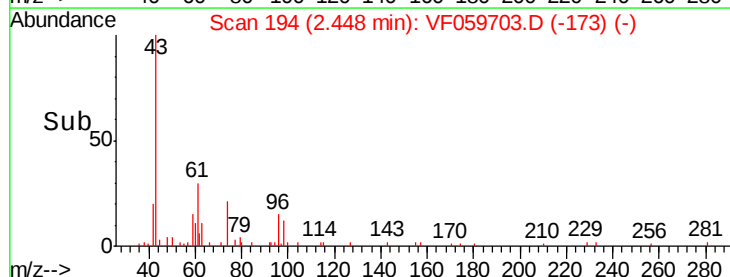
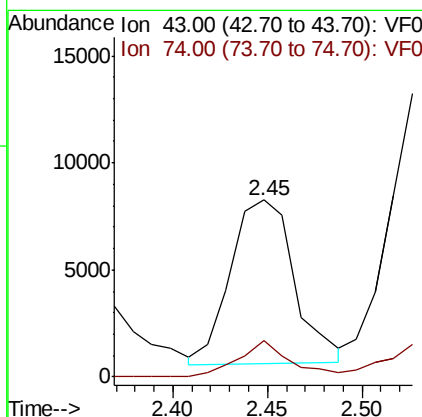
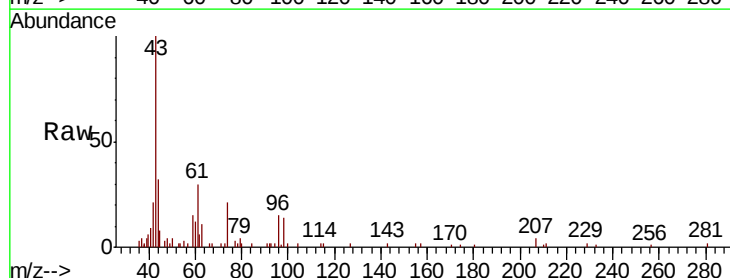
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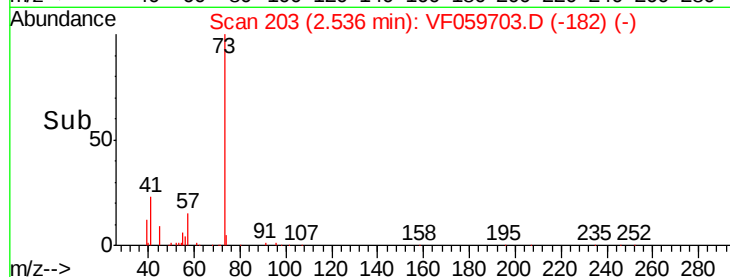
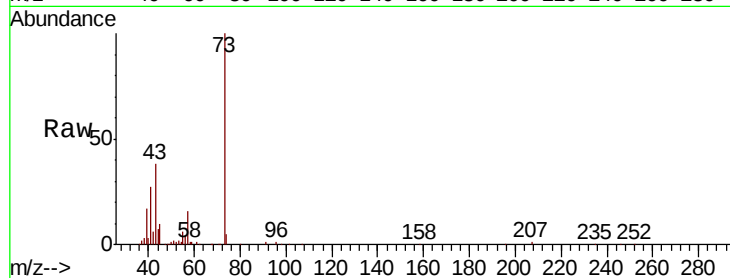
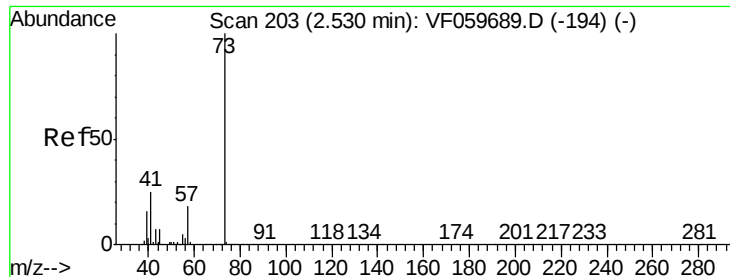
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#18
Methyl Acetate
Concen: 15.400 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.01 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Tgt Ion: 43 Resp: 17827
Ion Ratio Lower Upper
43 100
74 20.6 11.8 17.6#





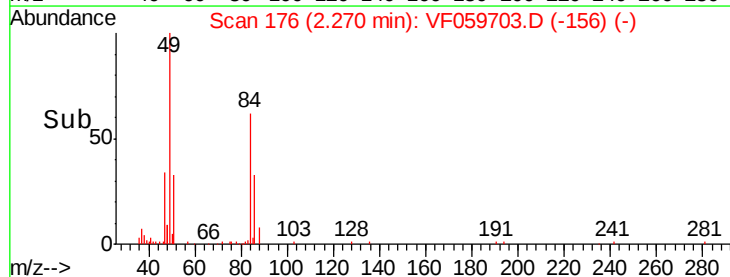
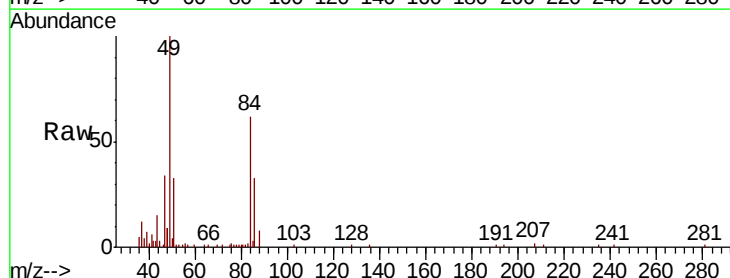
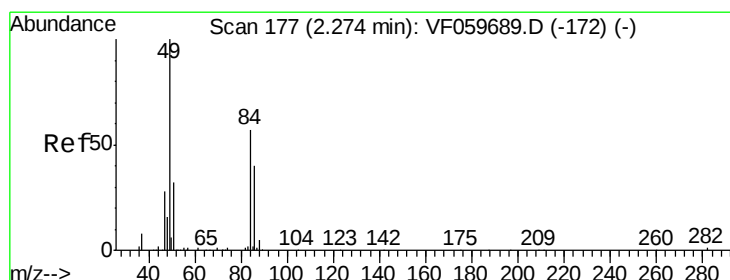
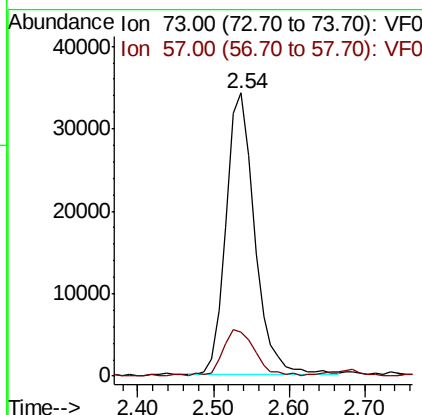
#19
Methyl tert-butyl Ether
Concen: 20.205 ug/l
RT: 2.54 min Scan# 203
Delta R.T. 0.01 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Tot Ion	Ratio	Lower	Upper
73	100		
57	15.7	14.2	21.2

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS01

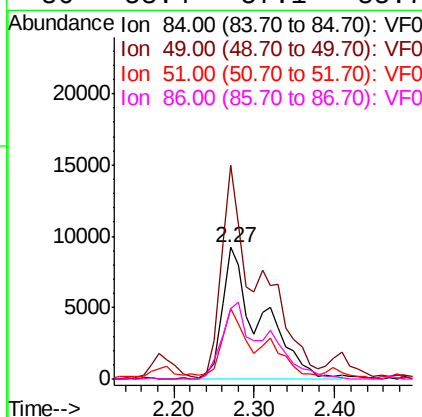
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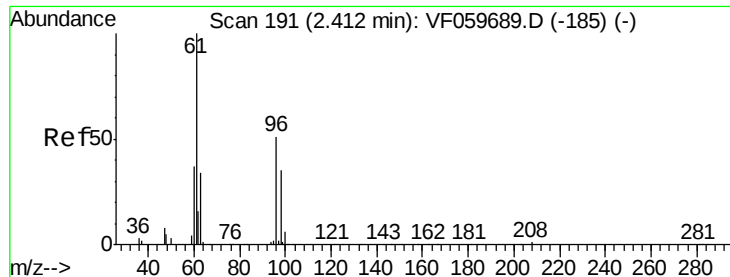
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#20
Methylene Chloride
Concen: 18.405 ug/l m
RT: 2.27 min Scan# 176
Delta R.T. -0.00 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	162.4	142.2	213.4
51	53.3	46.2	69.2
86	53.4	57.1	85.7#





#21

trans-1,2-Dichloroethene

Concen: 22.525 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

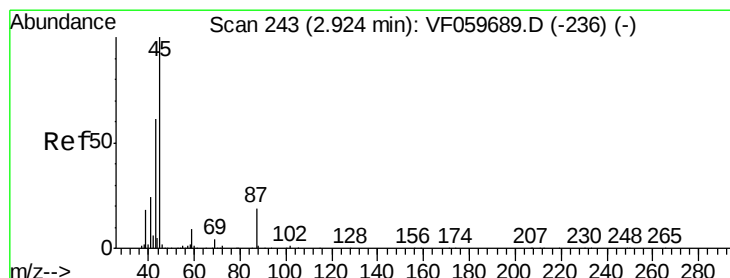
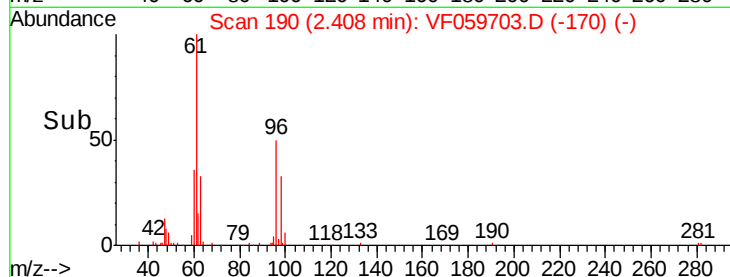
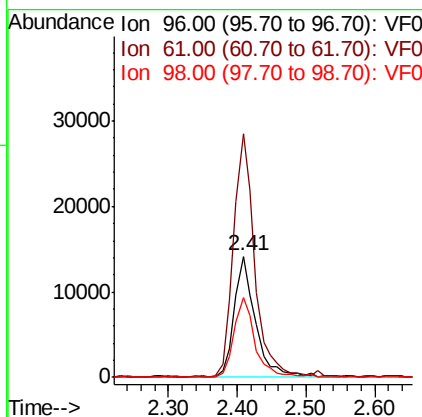
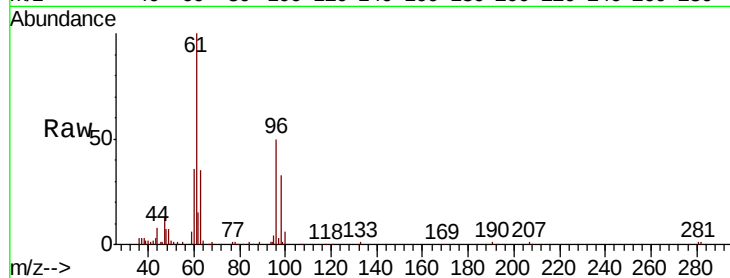
ClientSampleId :

VF0731SBS01

Tot Ion:	96	Resp:	30594
Ion Ratio	Lower	Upper	
96	100		
61	200.8	157.4	236.0
98	65.4	55.0	82.4

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#22

Diisopropyl ether

Concen: 21.175 ug/l

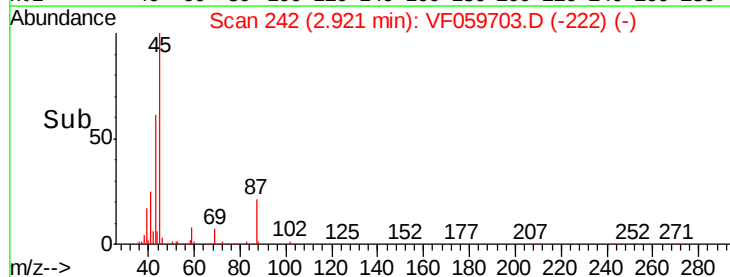
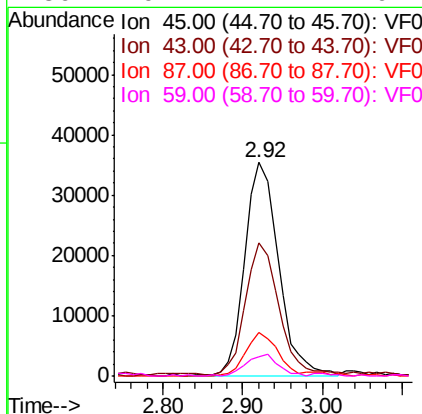
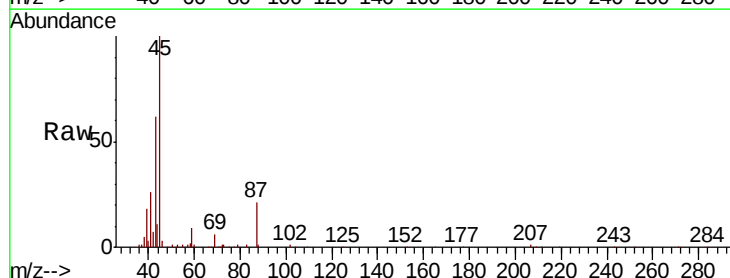
RT: 2.92 min Scan# 242

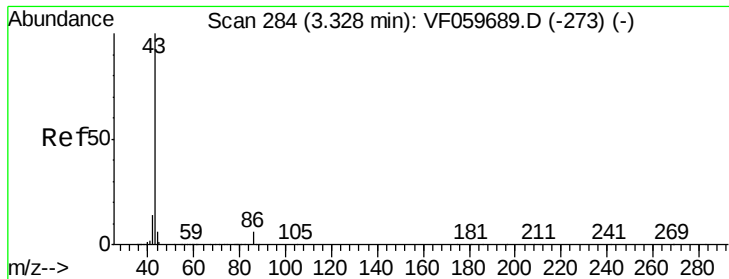
Delta R.T. -0.00 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Tgt Ion:	45	Resp:	104437
Ion Ratio	Lower	Upper	
45	100		
43	62.1	49.3	73.9
87	20.7	15.3	22.9
59	9.2	7.1	10.7





#23

Vinyl Acetate

Concen: 111.989 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS01

Tot Ion: 43 Resp: 283969

Ion Ratio Lower Upper

43 100

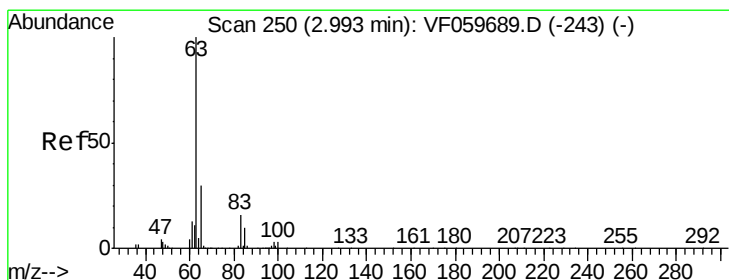
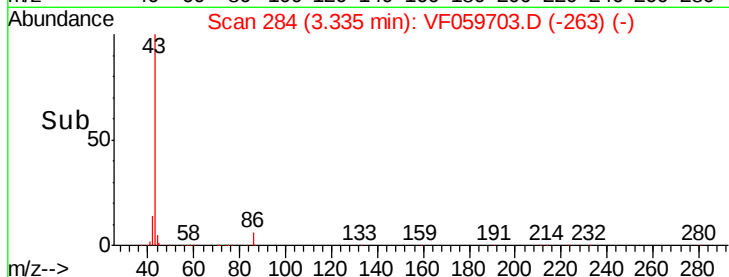
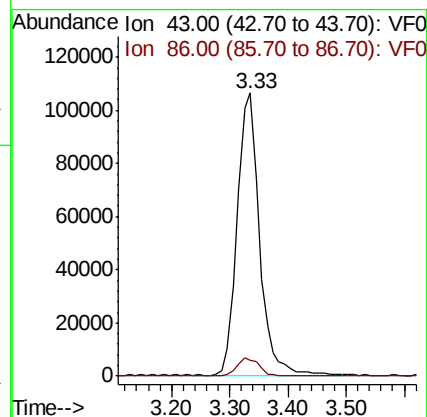
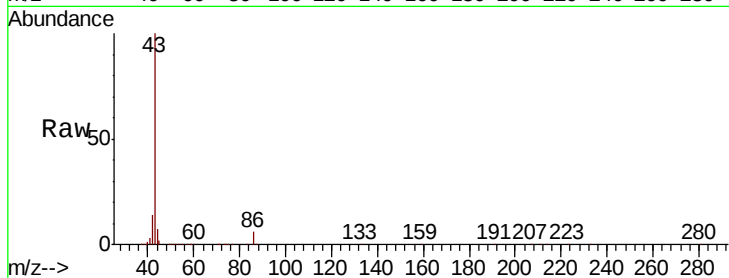
86 5.6 4.6 6.8

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#24

1,1-Dichloroethane

Concen: 21.683 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

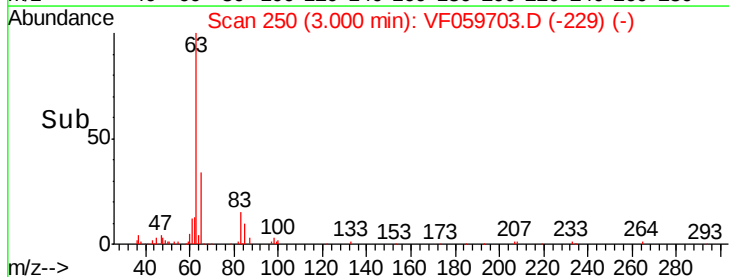
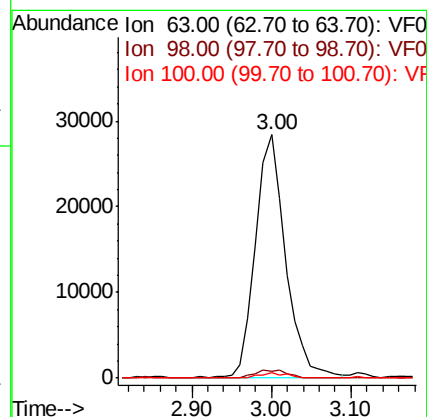
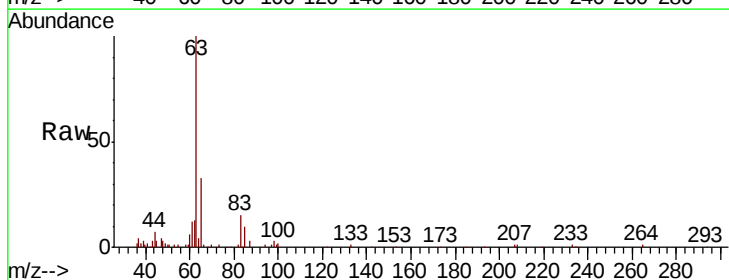
Tgt Ion: 63 Resp: 74298

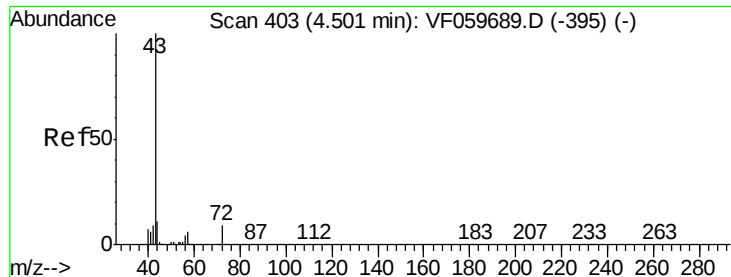
Ion Ratio Lower Upper

63 100

98 3.0 1.4 4.2

100 2.5 1.6 4.7





#25

2-Butanone

Concen: 102.616 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS01

Tot Ion: 43 Resp: 69829

Ion Ratio Lower Upper

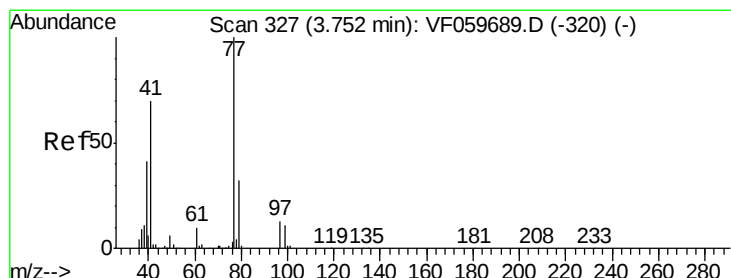
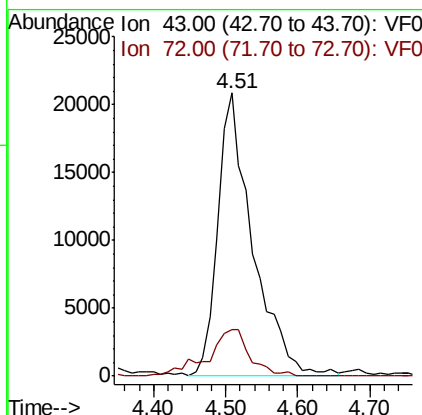
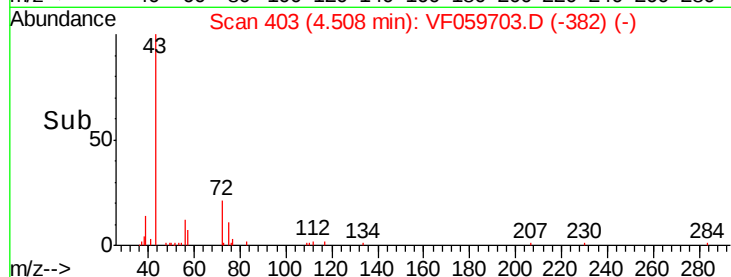
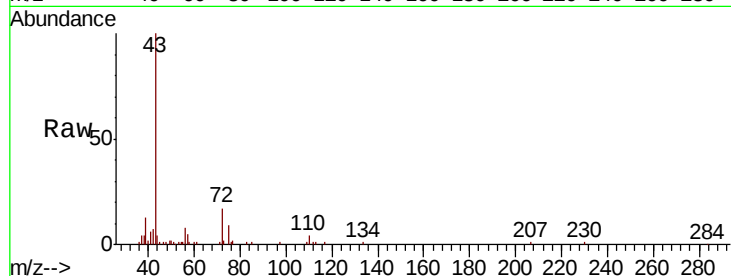
43 100

72 16.6 7.7 11.5#

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#26

2,2-Dichloropropane

Concen: 22.304 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF059703.D

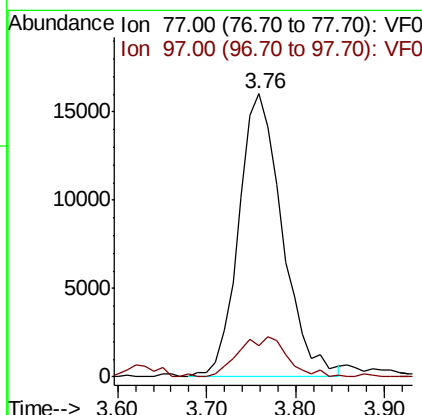
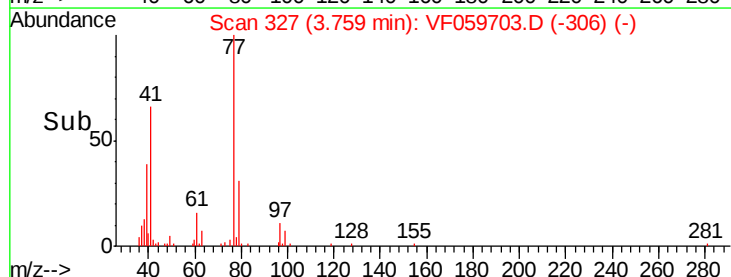
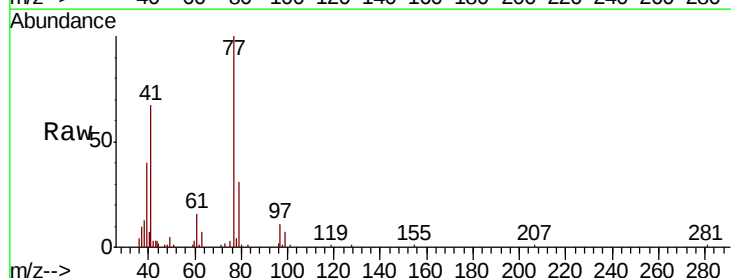
Acq: 31 Jul 2018 12:24

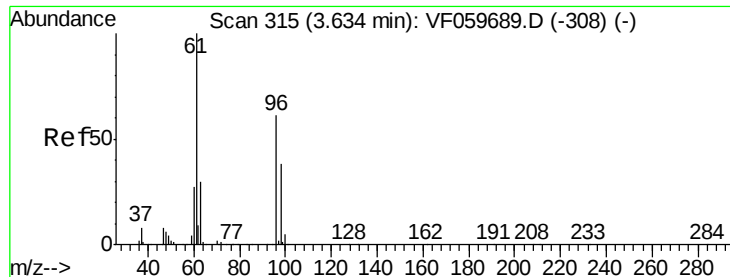
Tgt Ion: 77 Resp: 54481

Ion Ratio Lower Upper

77 100

97 12.2 6.8 20.4





#27

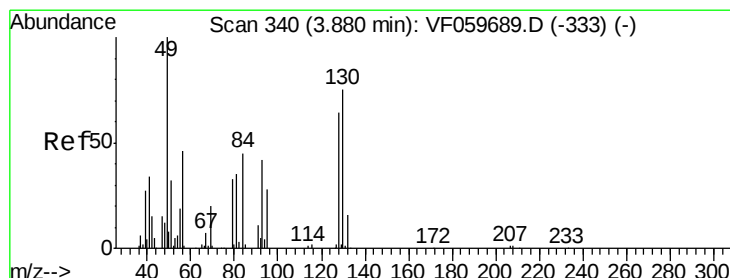
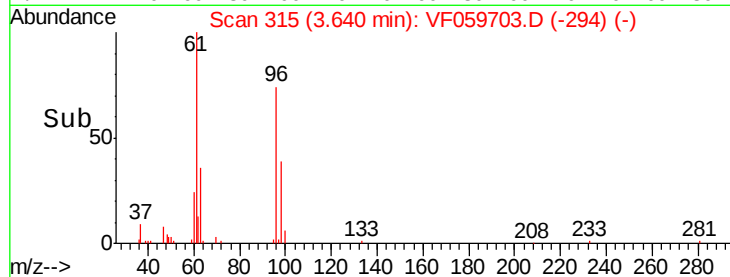
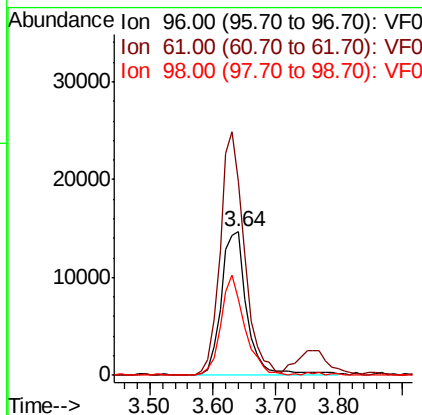
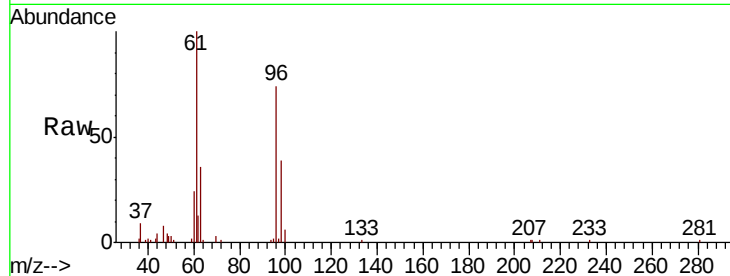
cis-1,2-Dichloroethene
Concen: 22.867 ug/l
RT: 3.64 min Scan# 315
Delta R.T. 0.01 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.9	0.0	326.8
98	52.7	0.0	125.2

Manual Integrations
APPROVED

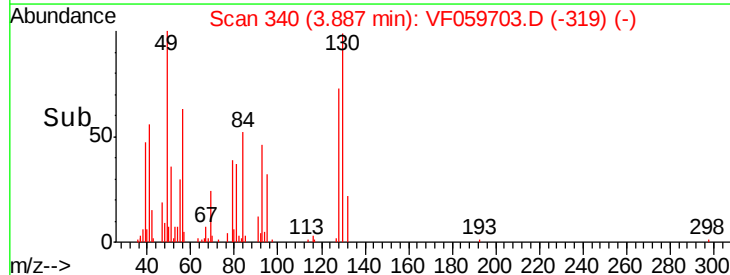
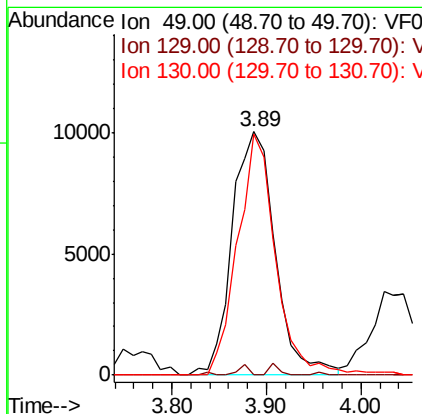
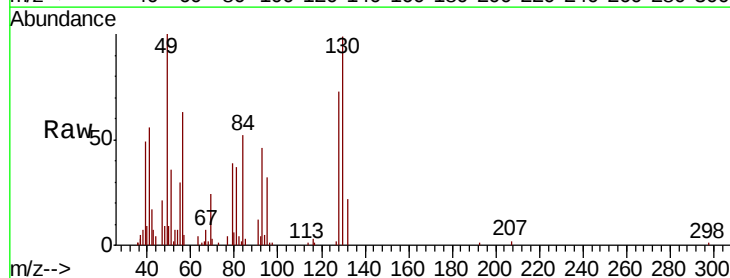
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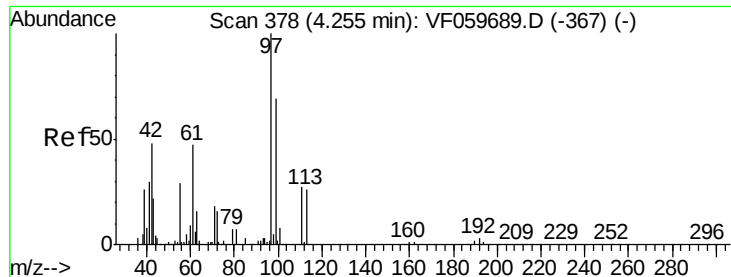


#28

Bromochloromethane
Concen: 24.207 ug/l
RT: 3.89 min Scan# 340
Delta R.T. 0.01 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	99.1	59.6	89.4#





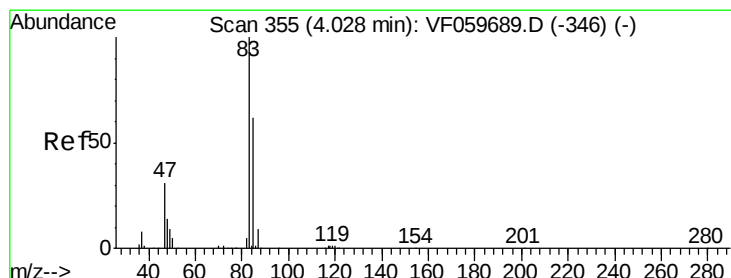
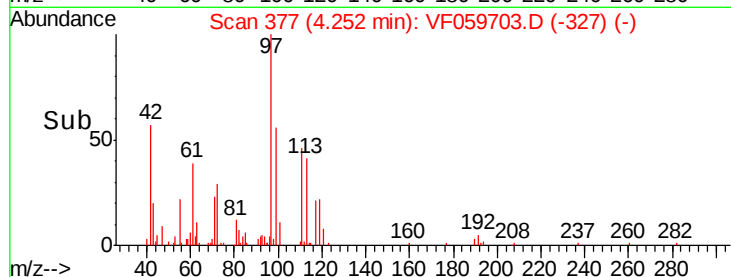
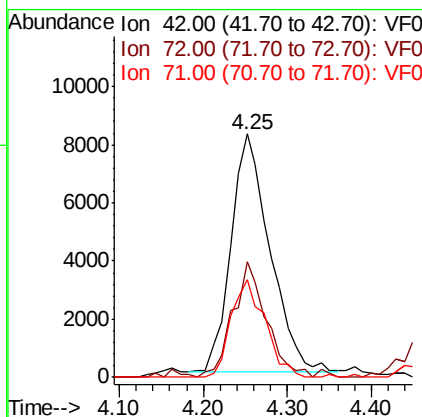
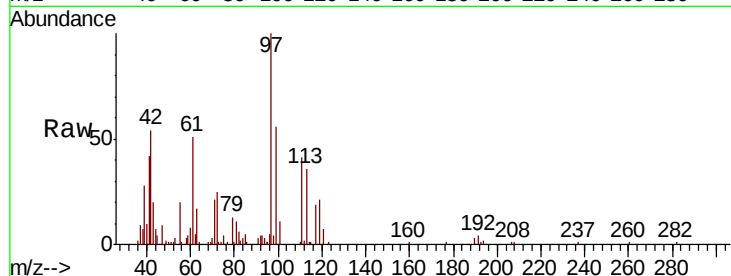
#29
Tetrahydrofuran
Concen: 101.150 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.00 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	27.0	40.6#
71	36.0	29.7	44.5

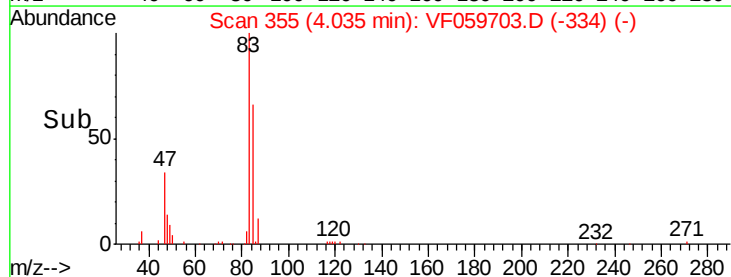
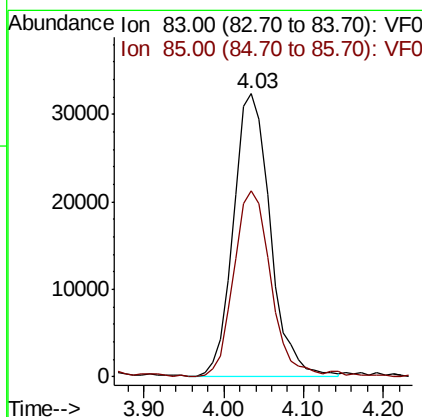
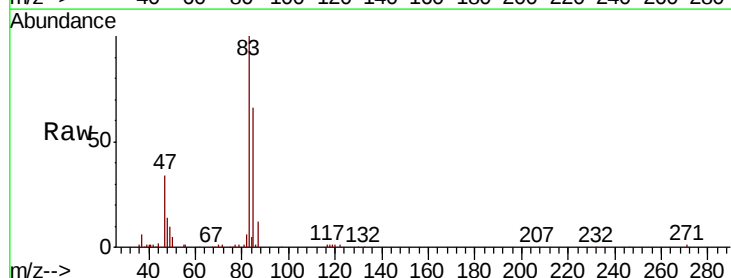
Manual Integrations
APPROVED

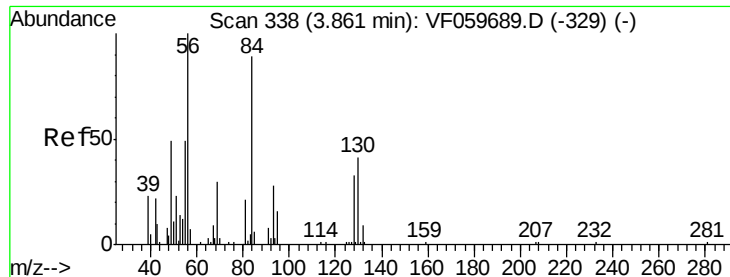
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#30
Chloroform
Concen: 21.278 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	49.4	74.0





#31

Cyclohexane

Concen: 21.978 ug/l

RT: 3.86 min Scan# 337

Delta R.T. -0.00 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

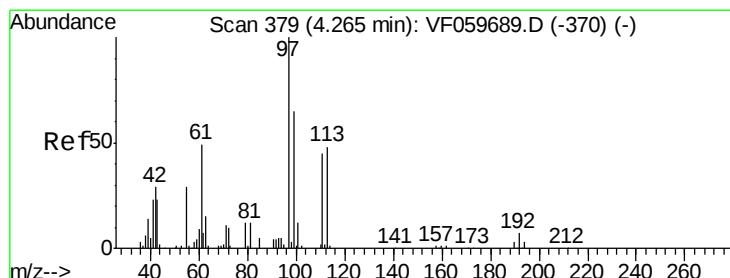
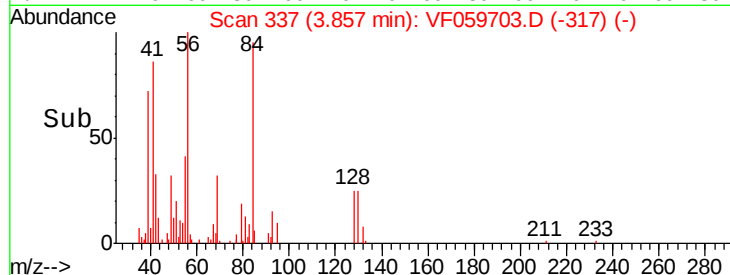
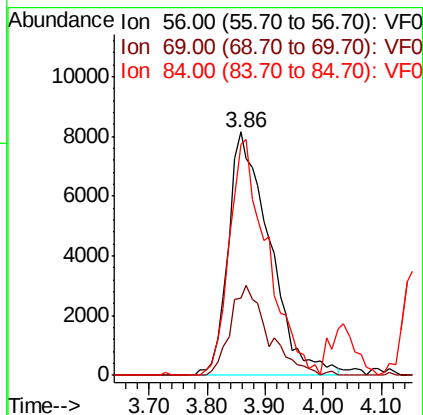
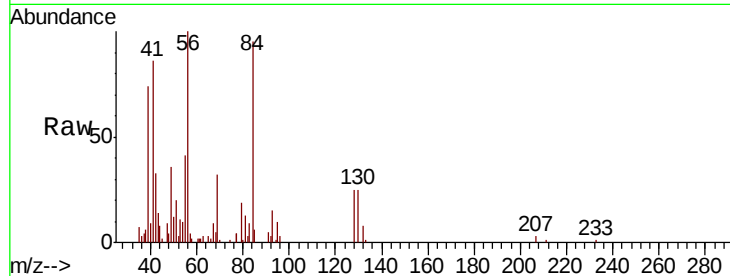
ClientSampleId :

VF0731SBS01

Tot Ion:	56	Resp:	40336
Ion	Ratio	Lower	Upper
56	100		
69	31.6	23.7	35.5
84	94.7	71.1	106.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 22.220 ug/l

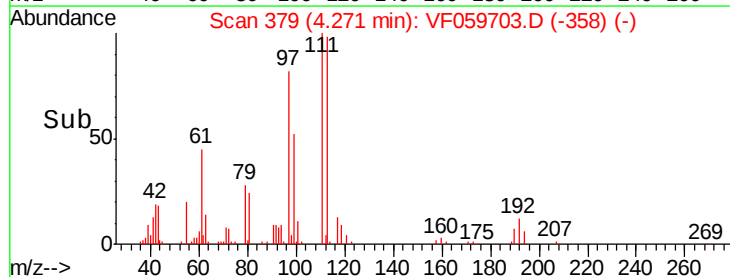
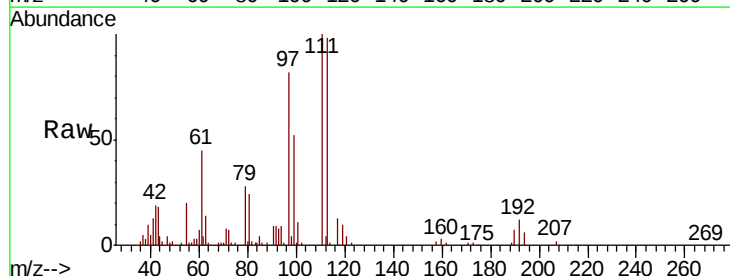
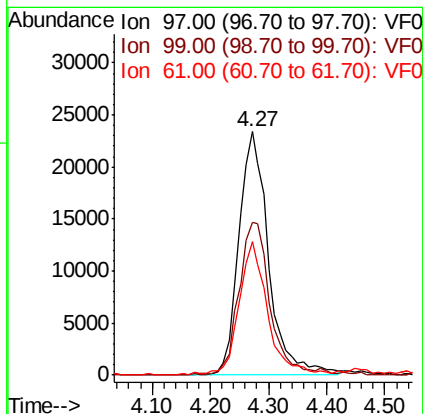
RT: 4.27 min Scan# 379

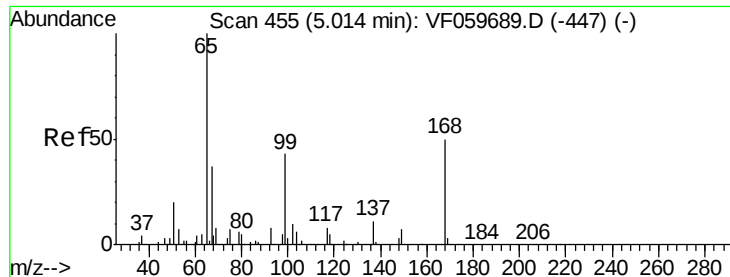
Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Tgt Ion:	97	Resp:	83352
Ion	Ratio	Lower	Upper
97	100		
99	63.0	52.4	78.6
61	54.8	39.7	59.5





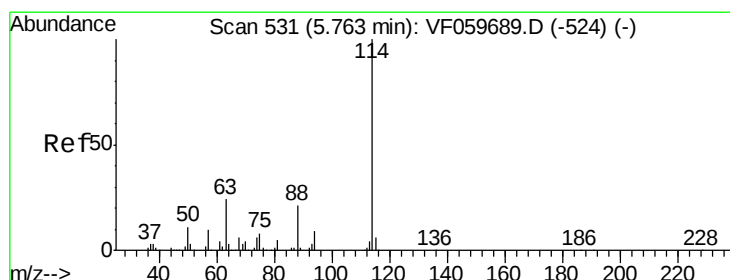
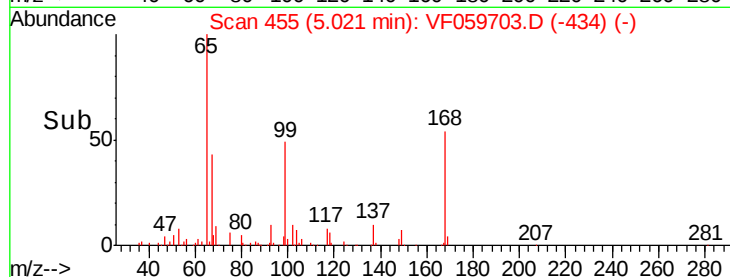
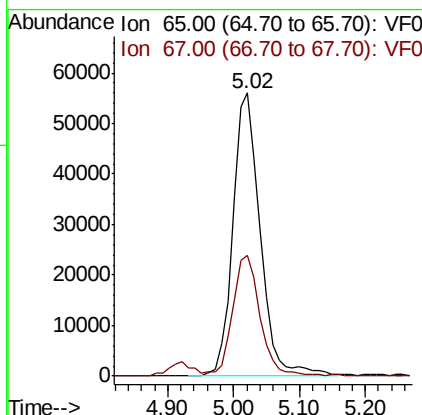
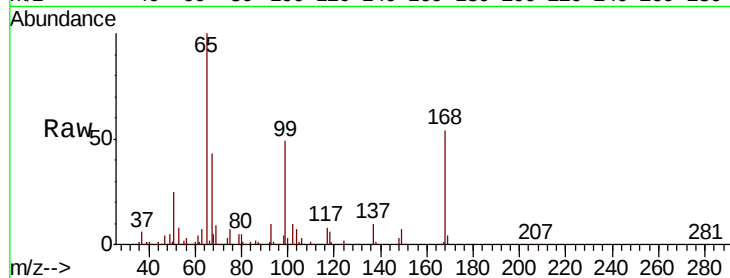
#33
 1,2-Dichloroethane-d4
 Concen: 48.162 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.01 min
 Lab File: VF059703.D
 Acq: 31 Jul 2018 12:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	42.9	0.0	84.6

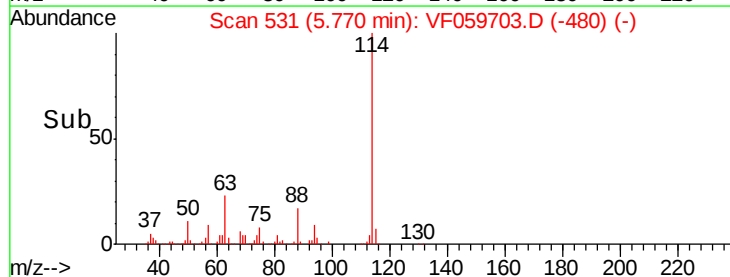
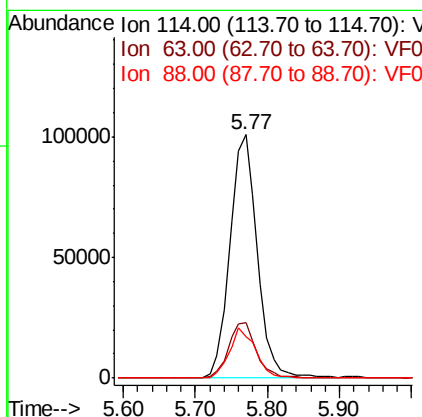
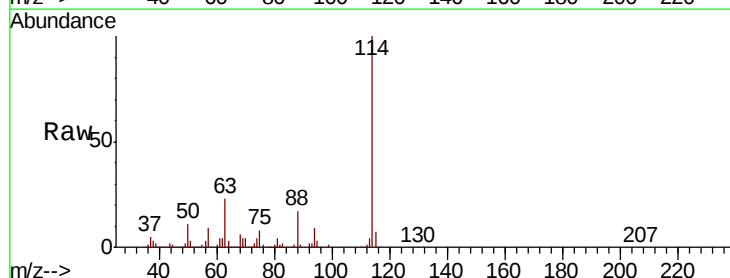
Manual Integrations
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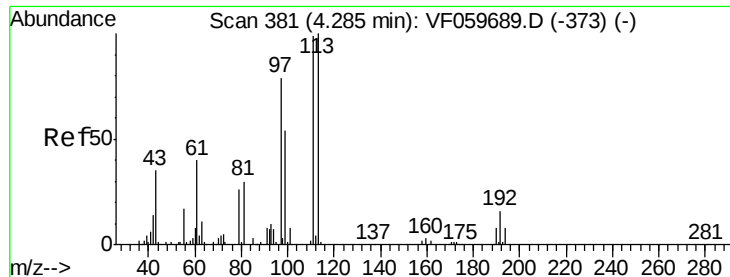
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. 0.01 min
 Lab File: VF059703.D
 Acq: 31 Jul 2018 12:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	47.4
88	17.2	0.0	41.2





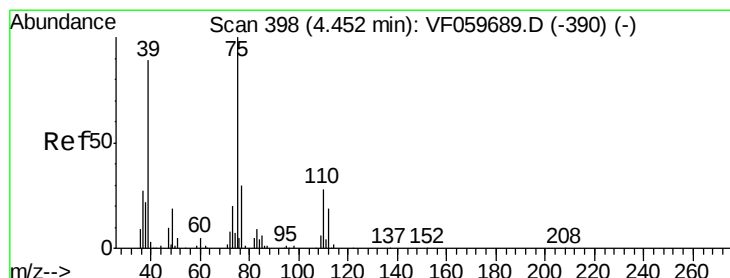
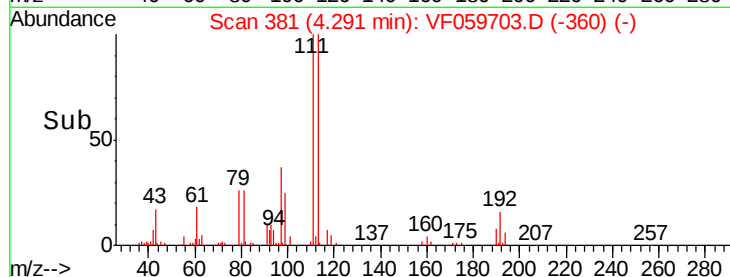
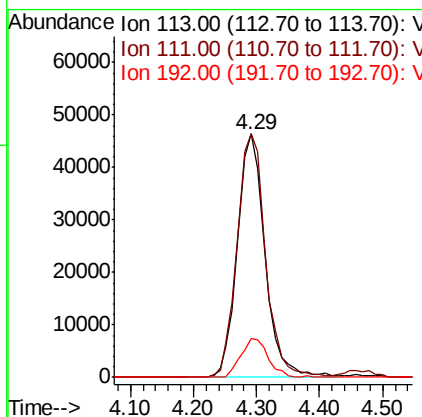
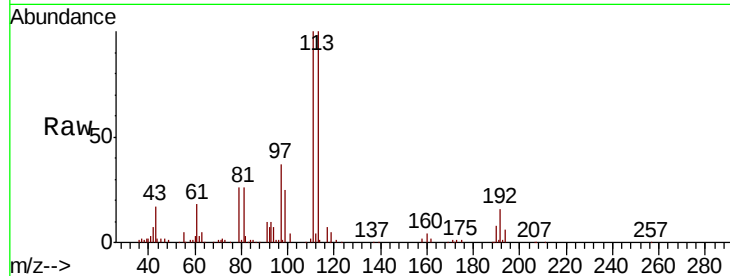
#35
Dibromofluoromethane
Concen: 50.691 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	140360		
111	99.9	79.0	118.4	
192	15.9	13.2	19.8	

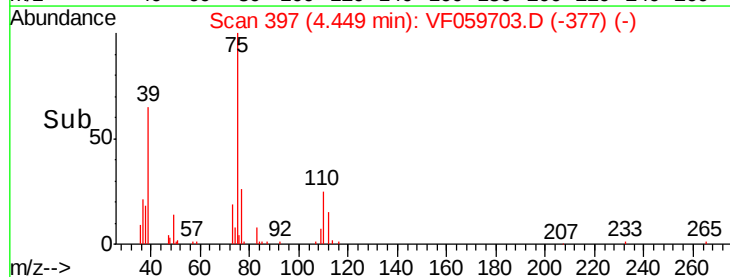
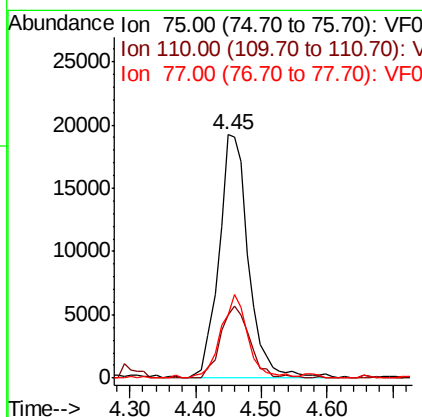
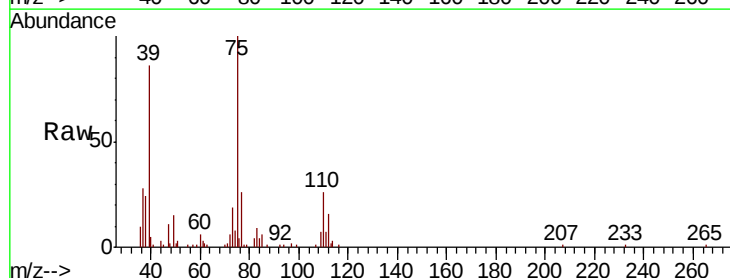
Manual Integrations
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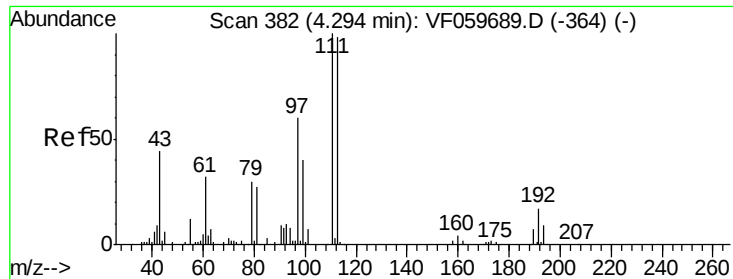
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#36
1,1-Dichloropropene
Concen: 20.019 ug/l
RT: 4.45 min Scan# 397
Delta R.T. -0.00 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	60423		
110	25.8	14.0	41.9	
77	26.1	24.2	36.2	





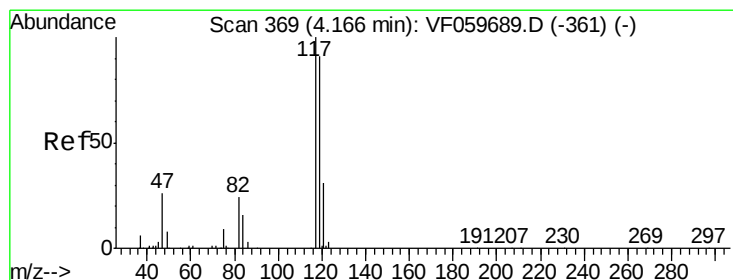
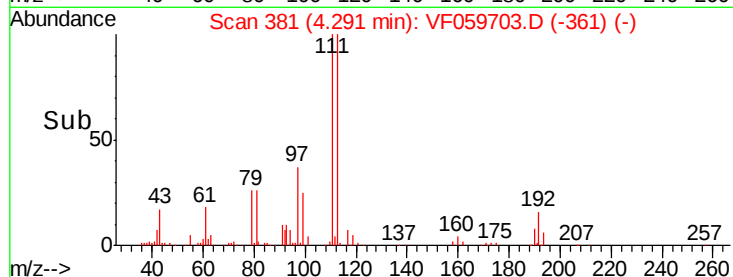
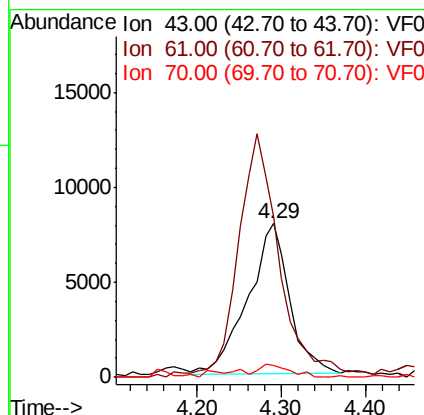
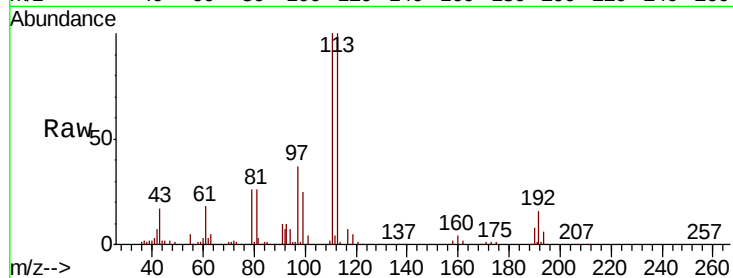
#37
Ethyl Acetate
Concen: 17.451 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.00 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS01

Tot Ion	43	61	70	Ratio	Lower	Upper
27231	100	104.4	7.7			
		58.2	6.0			
			9.0			

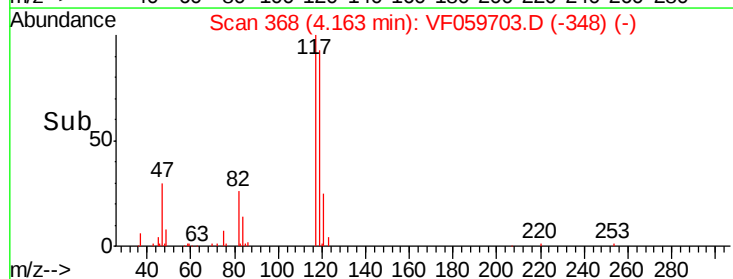
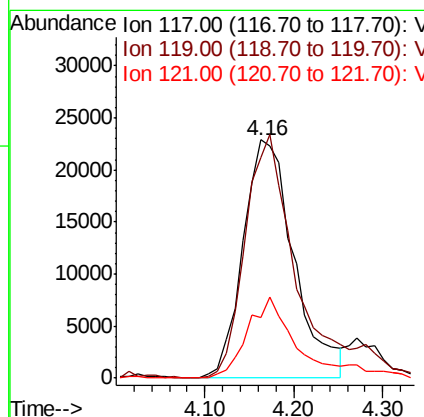
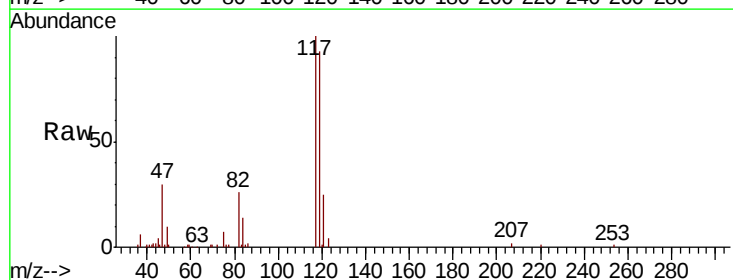
Manual Integrations
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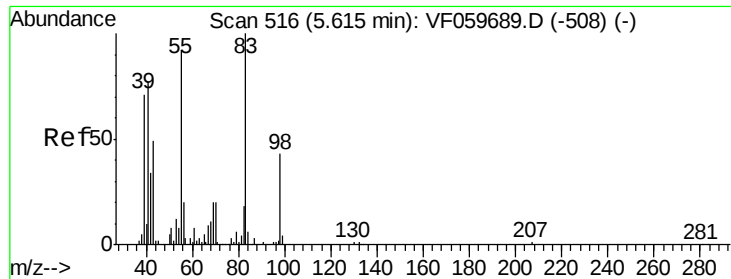
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#38
Carbon Tetrachloride
Concen: 21.404 ug/l
RT: 4.16 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Tgt Ion	117	119	121	Ratio	Lower	Upper
90724	100	92.6	25.2			
		72.9	25.0			
			37.4			





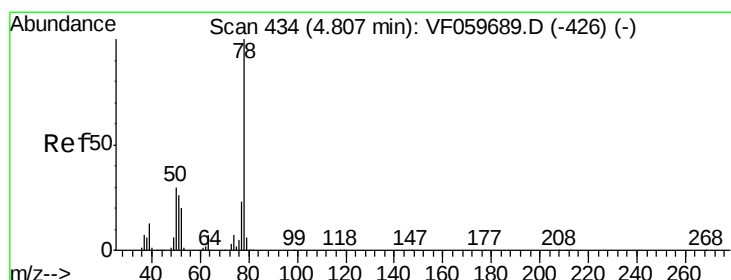
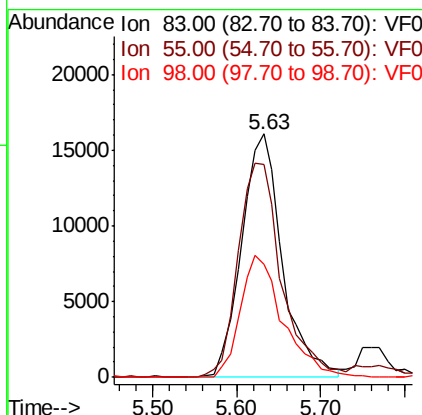
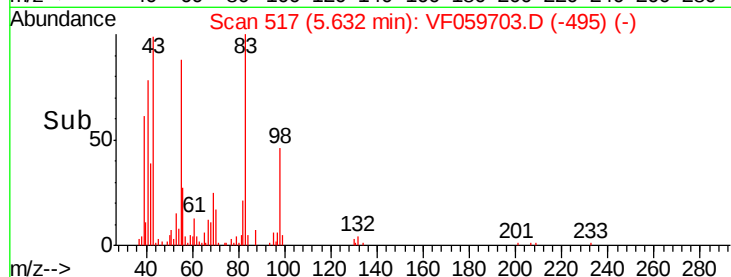
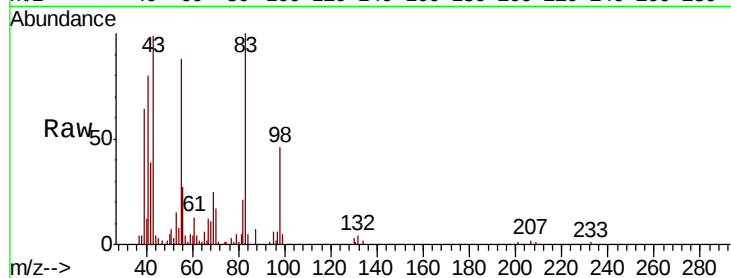
#39
Methvlcvclohexane
Concen: 24.306 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.02 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	87.6	73.4	110.2
98	46.3	34.2	51.4

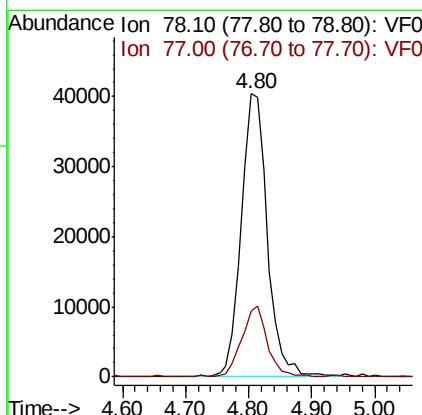
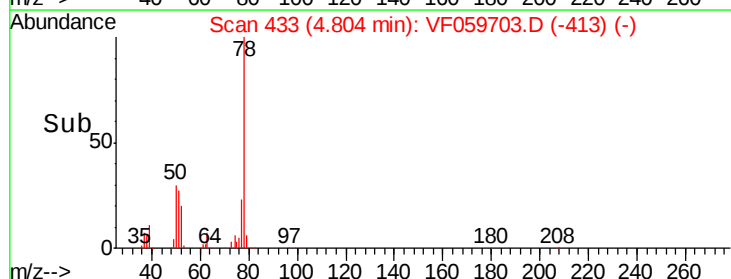
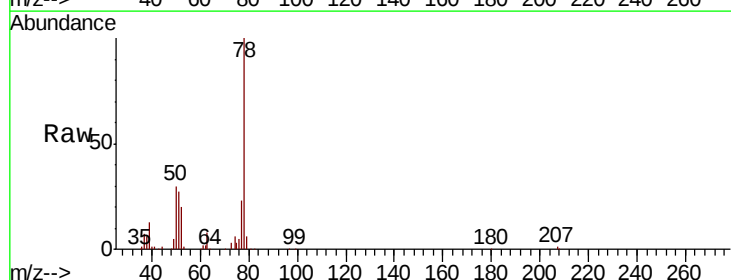
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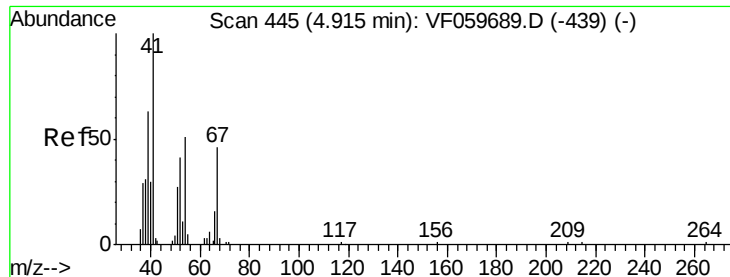
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#40
Benzene
Concen: 21.543 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.00 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.9	28.3





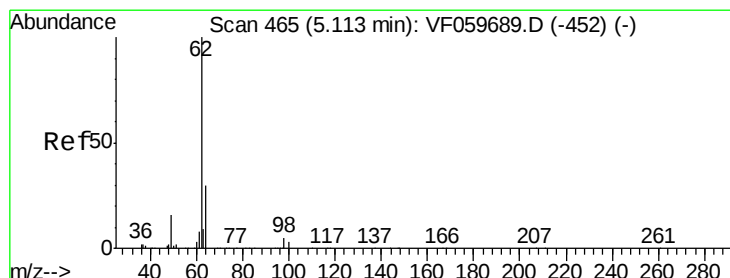
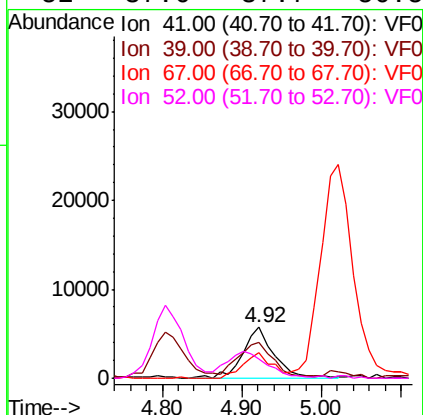
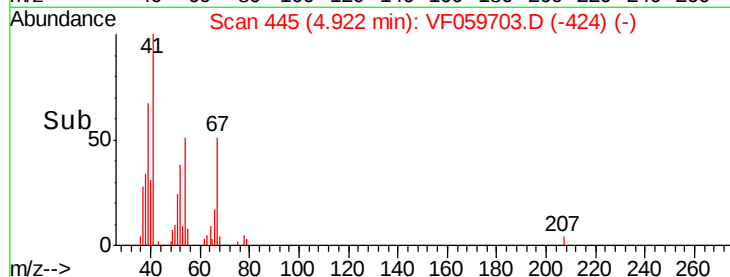
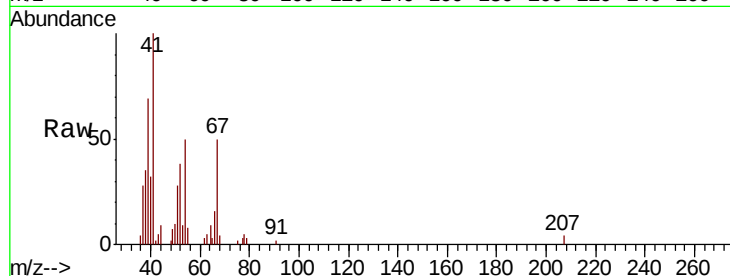
#41
Methacrylonitrile
Concen: 21.543 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.01 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.4	55.2	82.8
67	49.8	36.2	54.2
52	37.6	37.7	56.5#

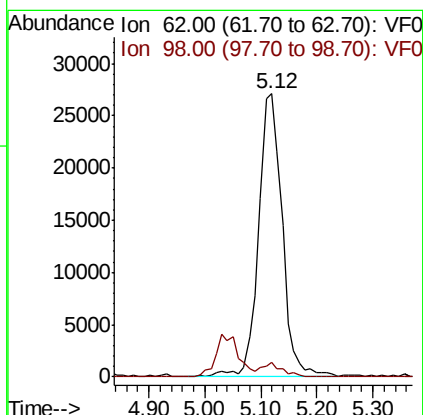
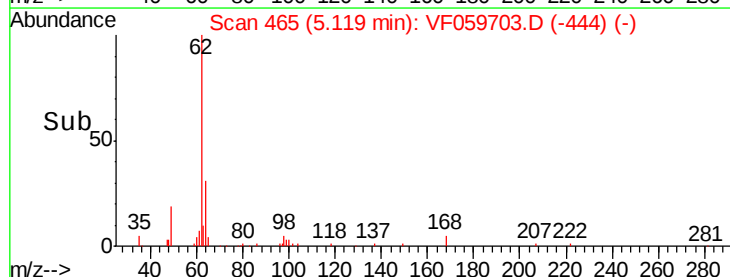
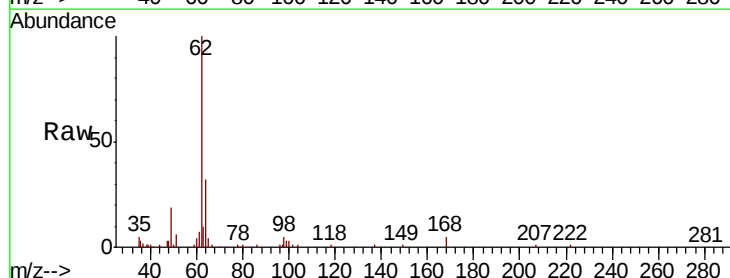
Manual Integrations
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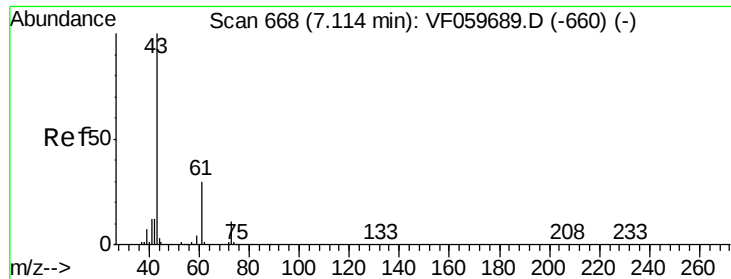
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#42
1,2-Dichloroethane
Concen: 21.001 ug/l
RT: 5.12 min Scan# 465
Delta R.T. 0.01 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.0	0.0	9.6





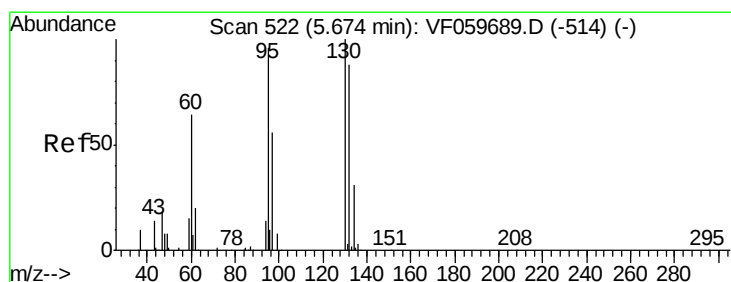
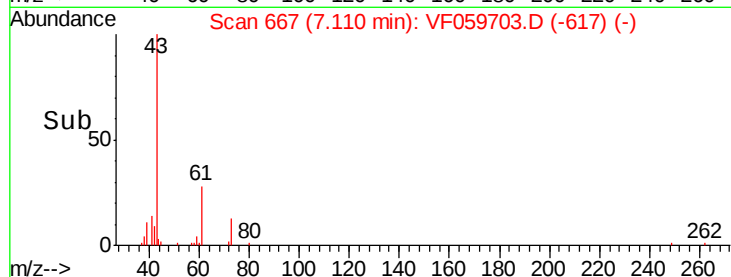
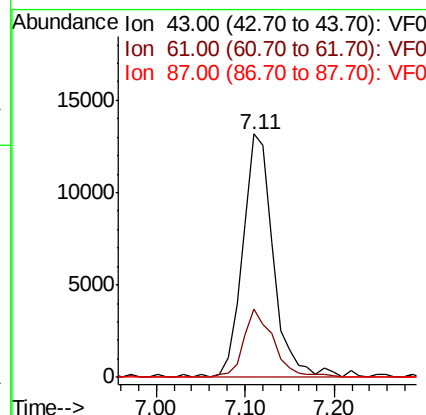
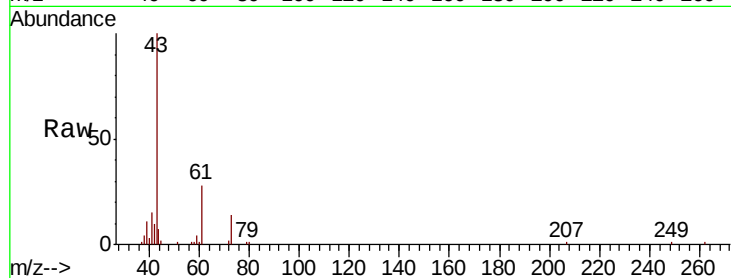
#43
Isopropyl Acetate
Concen: 19.594 ug/l
RT: 7.11 min Scan# 667
Delta R.T. -0.00 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.3	23.8	35.8
87	0.0	0.6	1.0

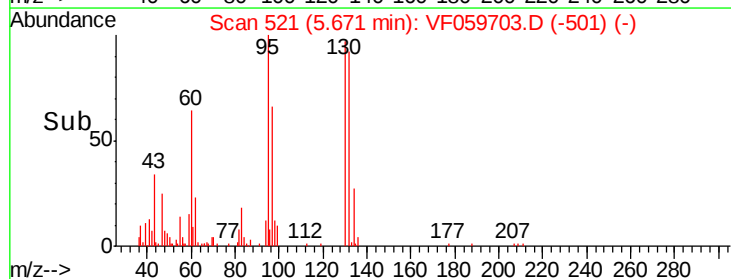
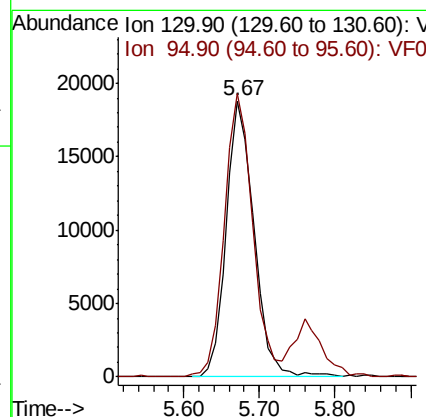
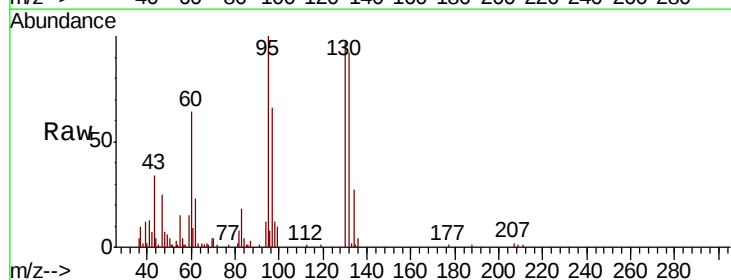
Manual Integrations
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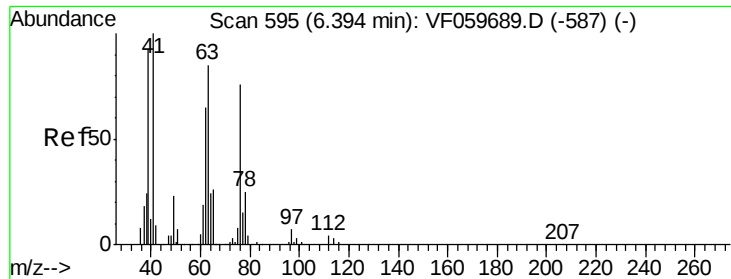
apatel
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#44
Trichloroethene
Concen: 23.763 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.00 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	191.0





#45

1,2-Dichloropropane

Concen: 22.239 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS01

Tot Ion: 63 Resp: 31619

Ion Ratio Lower Upper

63 100

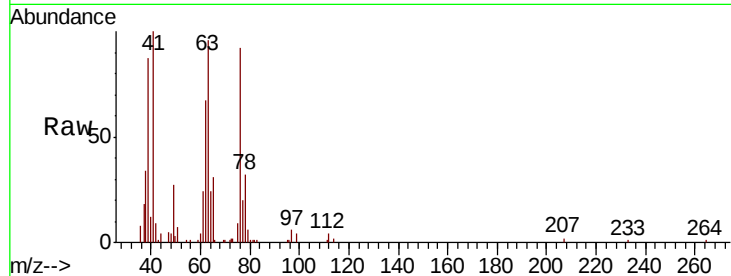
65 32.5 25.2 37.8

Manual Integrations

APPROVED

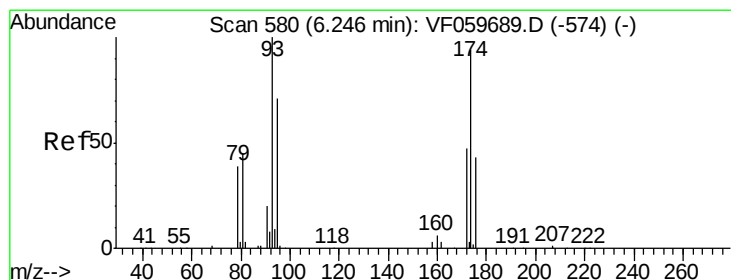
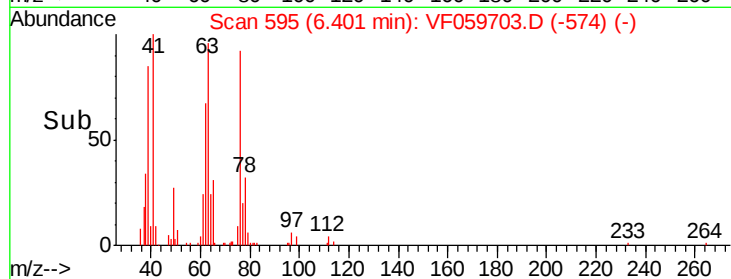
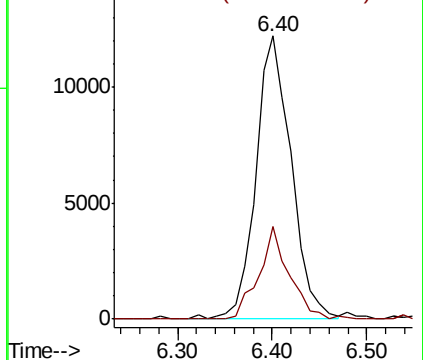
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 20.455 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

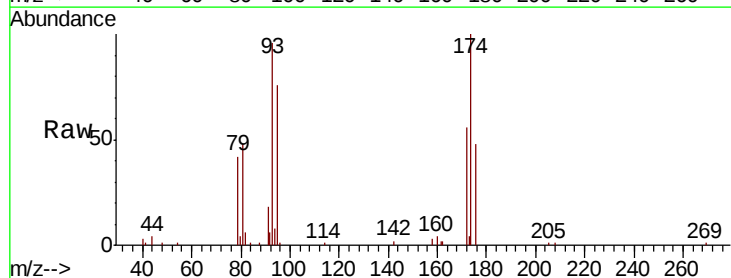
Tgt Ion: 93 Resp: 27611

Ion Ratio Lower Upper

93 100

95 79.8 57.1 85.7

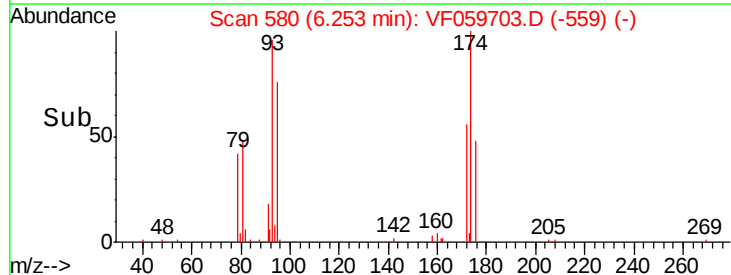
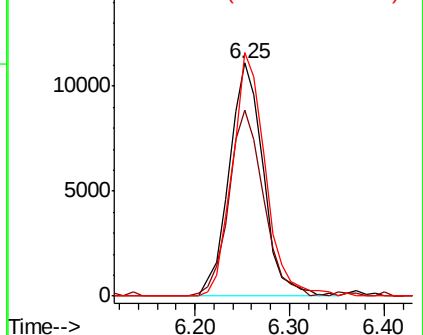
174 104.4 74.8 112.2

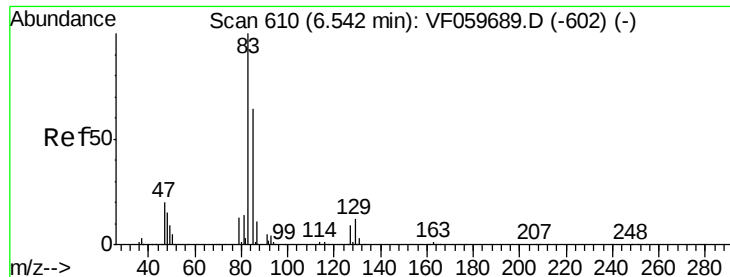


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 21.465 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

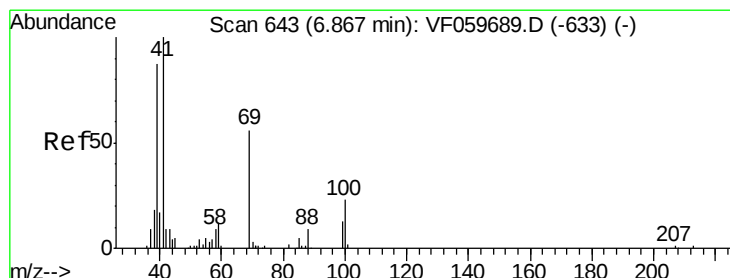
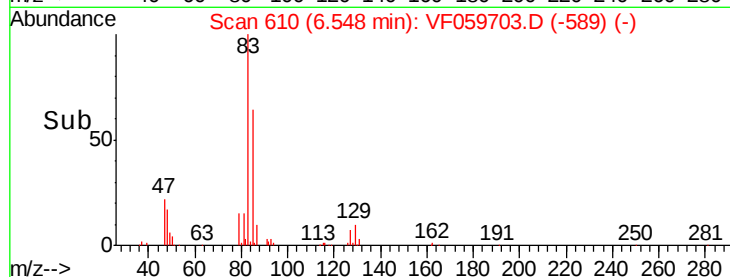
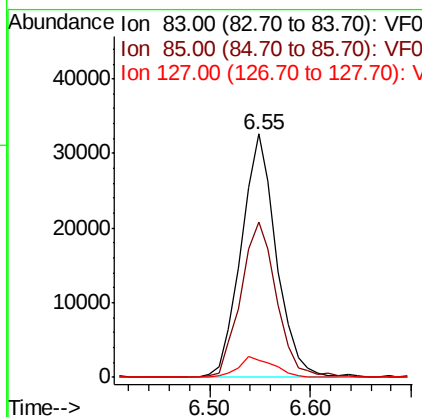
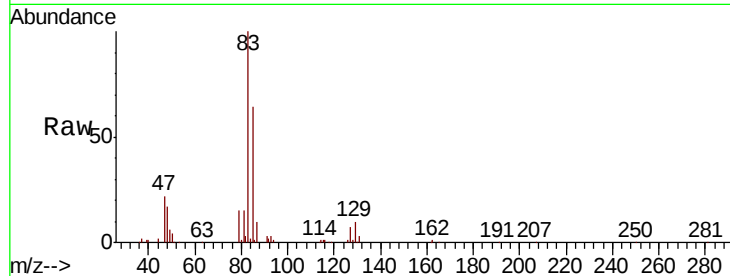
ClientSampleId :

VF0731SBS01

Tot Ion:	83	Resp:	78902
Ion Ratio	Lower	Upper	
83	100		
85	63.9	51.0	76.6
127	7.2	7.3	10.9#

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.886 ug/l

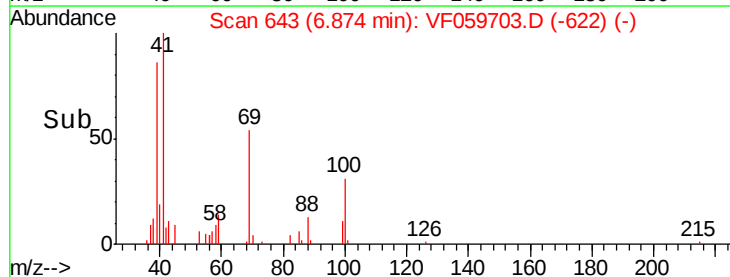
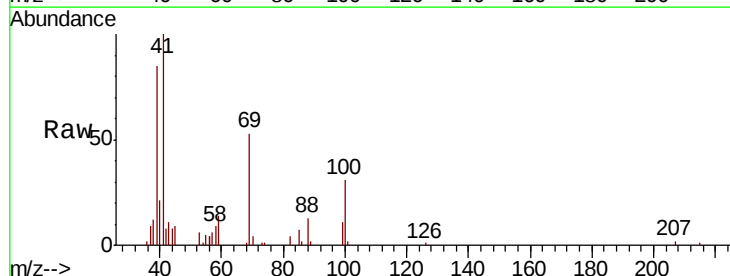
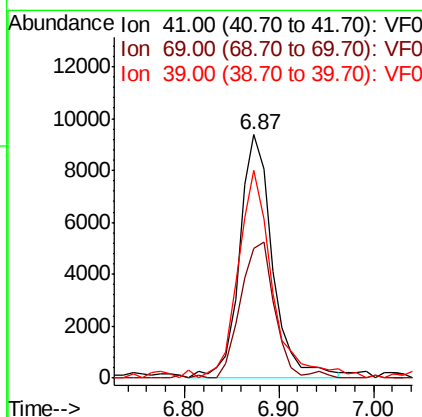
RT: 6.87 min Scan# 643

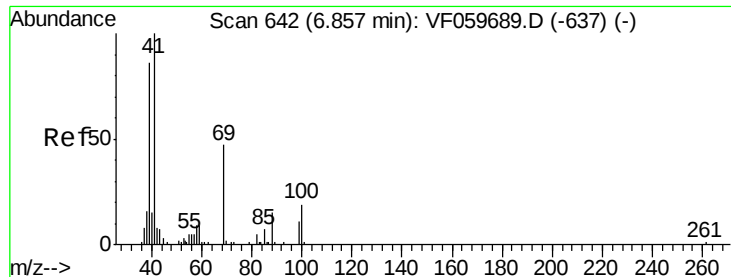
Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Tgt Ion:	41	Resp:	22645
Ion Ratio	Lower	Upper	
41	100		
69	53.5	44.4	66.6
39	85.5	69.4	104.2





#49

1,4-Dioxane

Concen: 482.093 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.02 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

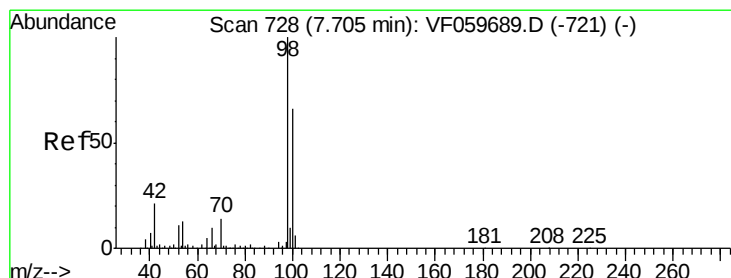
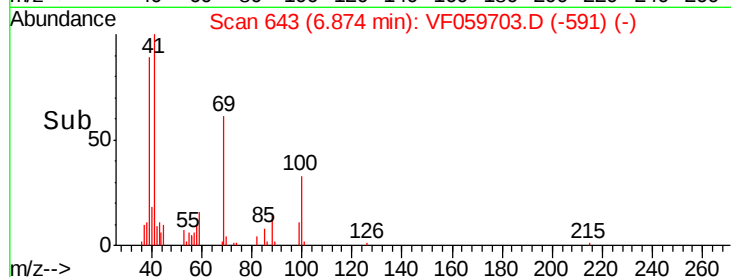
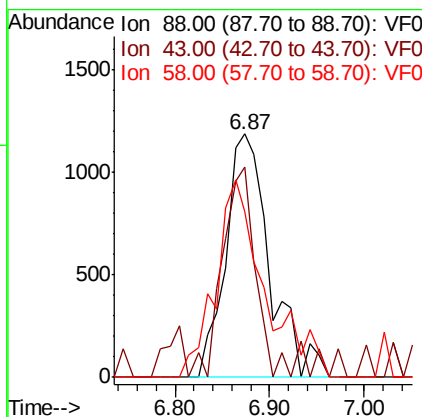
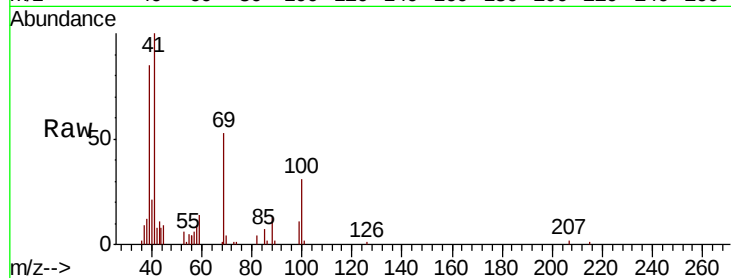
ClientSampleId :

VF0731SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	86.4	45.2	67.8#
58	68.2	49.0	73.6

Manual Integrations
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#50

Toluene-d8

Concen: 47.916 ug/l

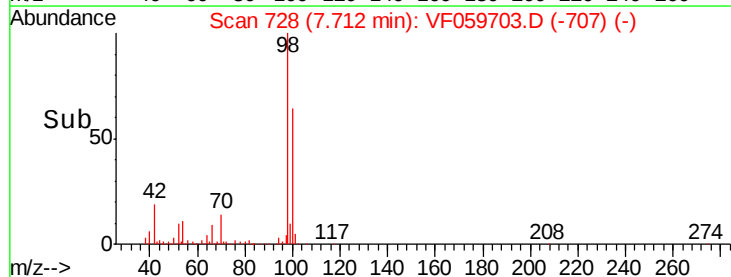
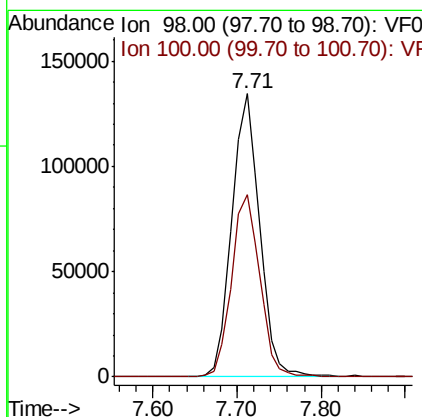
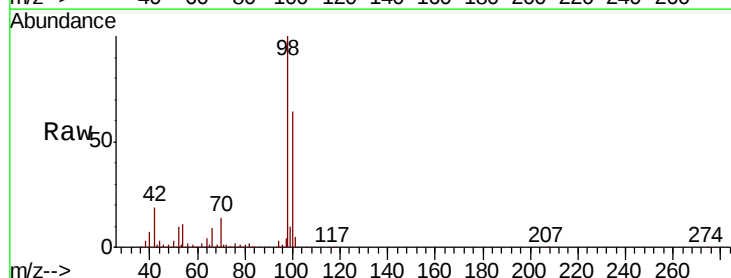
RT: 7.71 min Scan# 728

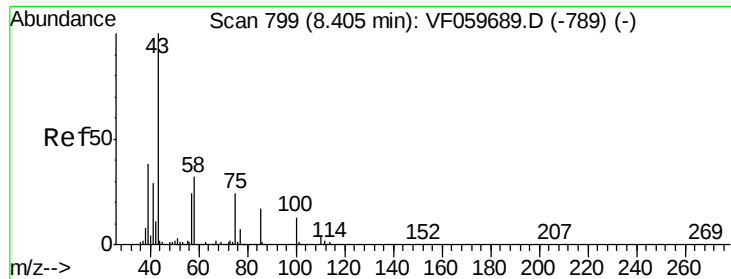
Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 103.737 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.00 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS01

Tot Ion: 43 Resp: 125792

Ion Ratio Lower Upper

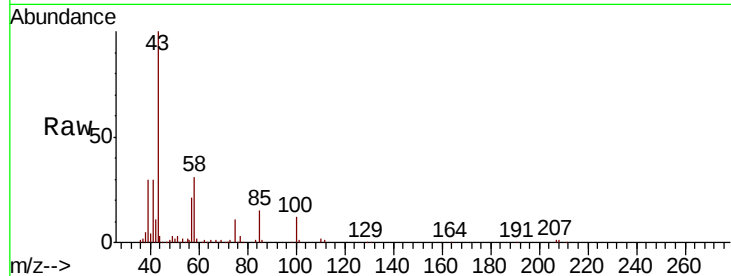
43 100

58 30.9 25.9 38.9

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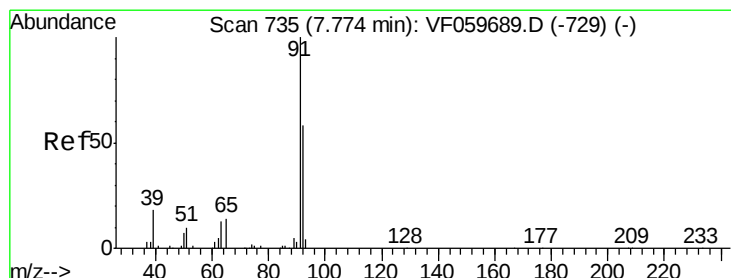
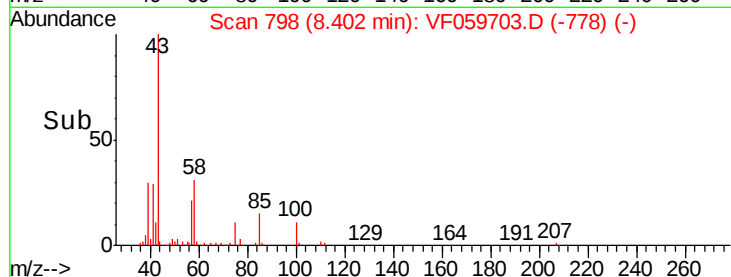
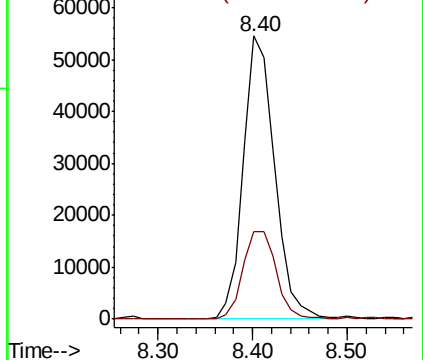
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 21.903 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF059703.D

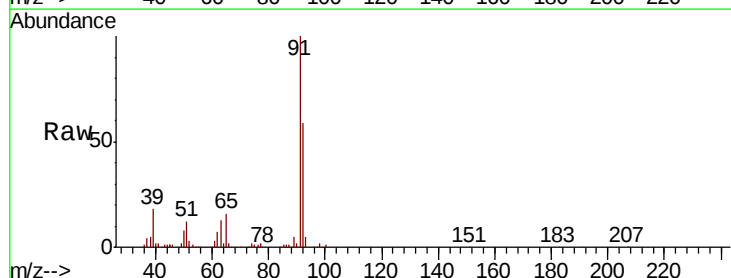
Acq: 31 Jul 2018 12:24

Tgt Ion: 92 Resp: 83814

Ion Ratio Lower Upper

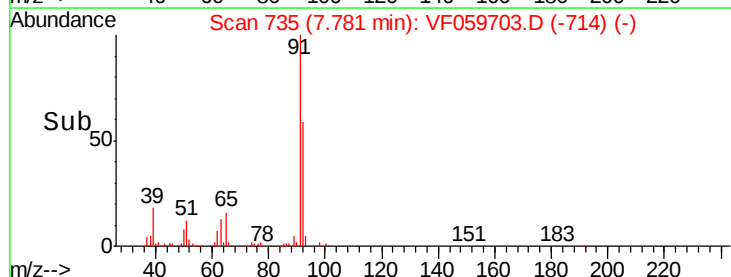
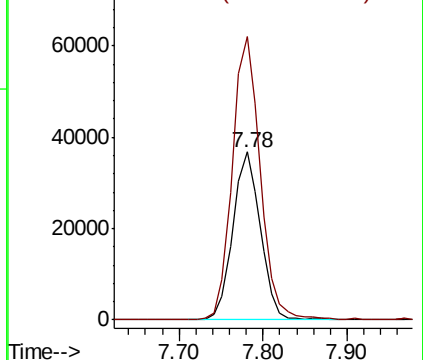
92 100

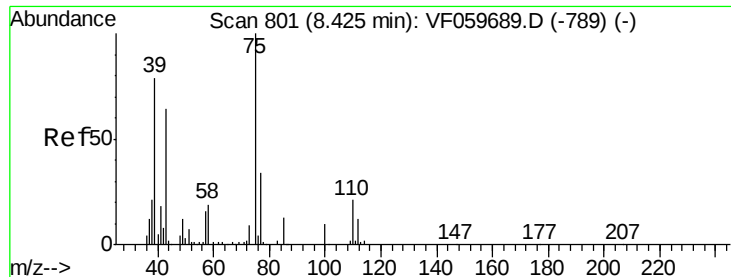
91 168.8 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 20.339 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBSD01

Tot Ion: 75 Resp: 64871

Ion Ratio Lower Upper

75 100

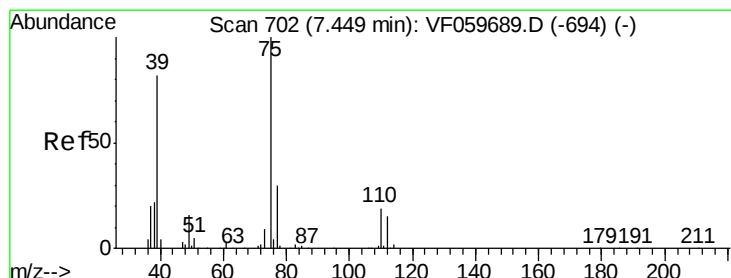
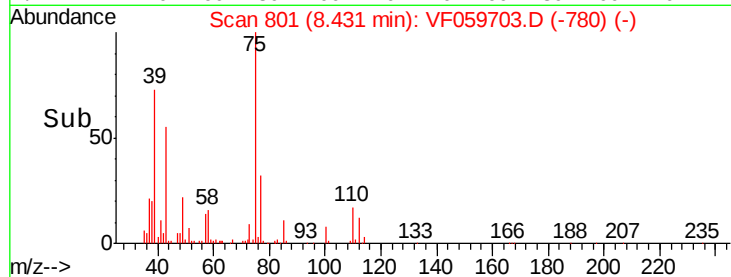
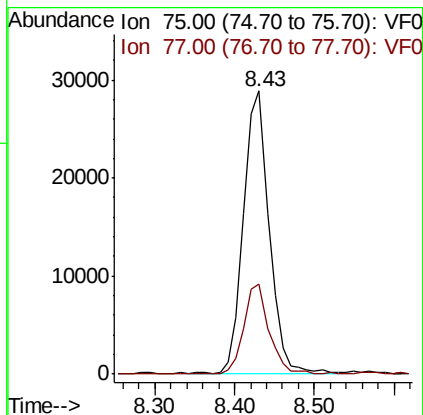
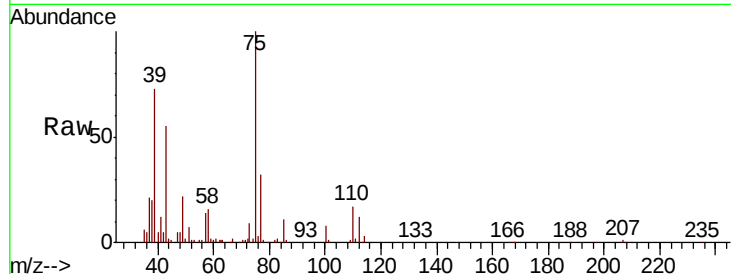
77 32.0 27.0 40.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 21.756 ug/l

RT: 7.46 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

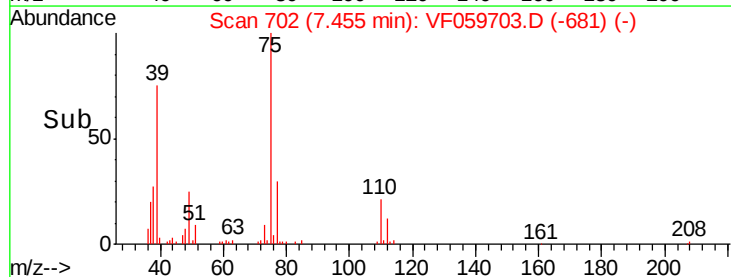
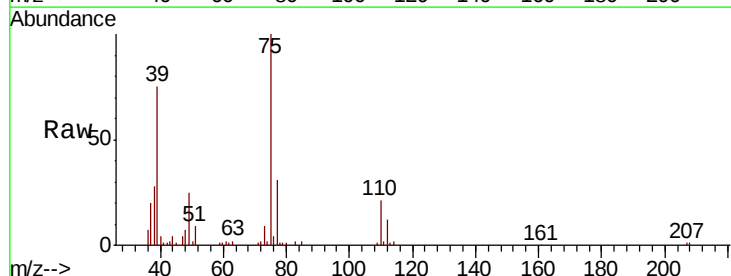
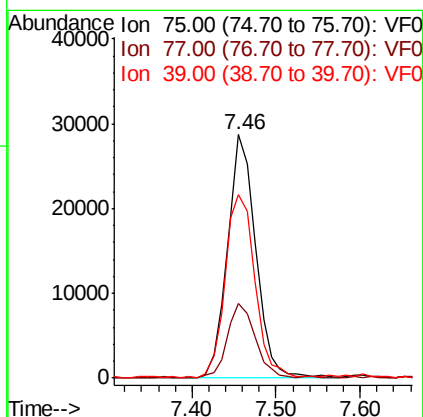
Tgt Ion: 75 Resp: 67214

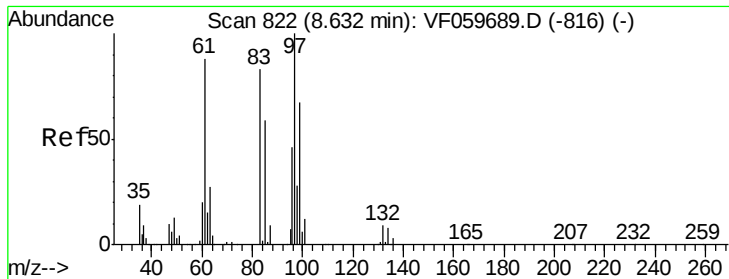
Ion Ratio Lower Upper

75 100

77 30.6 24.0 36.0

39 75.4 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 21.238 ug/l

RT: 8.64 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

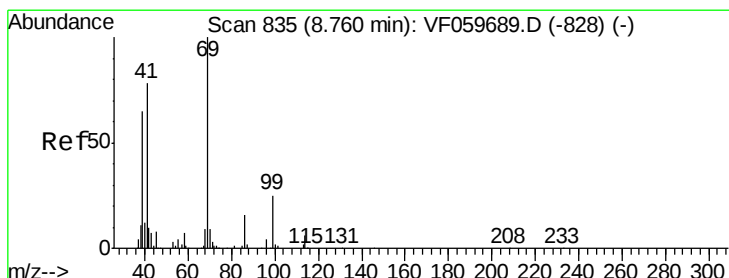
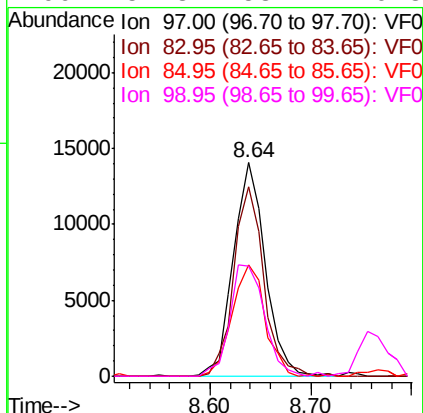
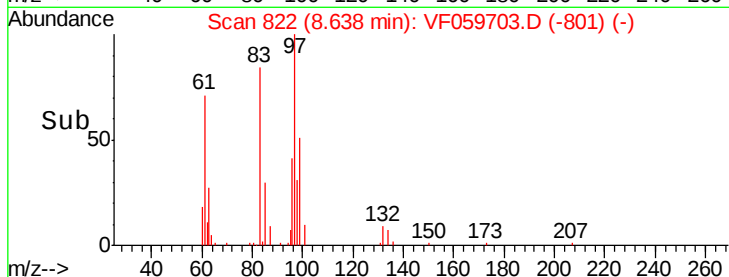
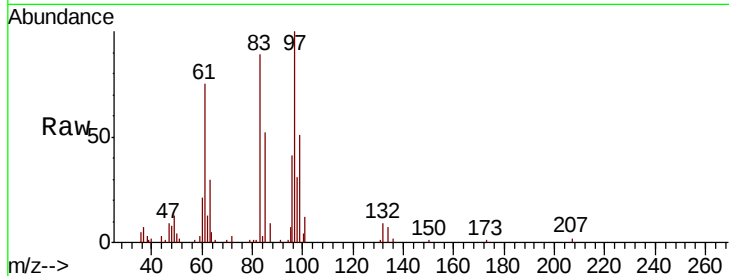
ClientSampleId :

VF0731SBS01

Tot Ion:	97	Resp:	30966
Ion	Ratio	Lower	Upper
97	100		
83	88.7	66.6	100.0
85	52.1	47.4	71.0
99	51.3	53.2	79.8#

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#56

Ethyl methacrylate

Concen: 18.857 ug/l

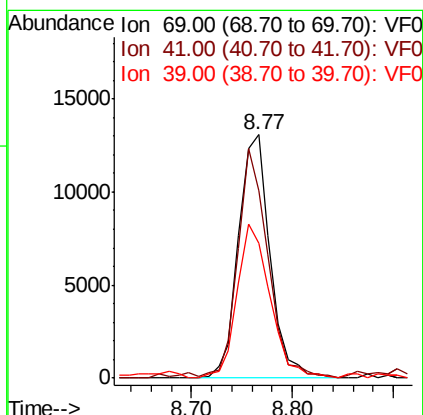
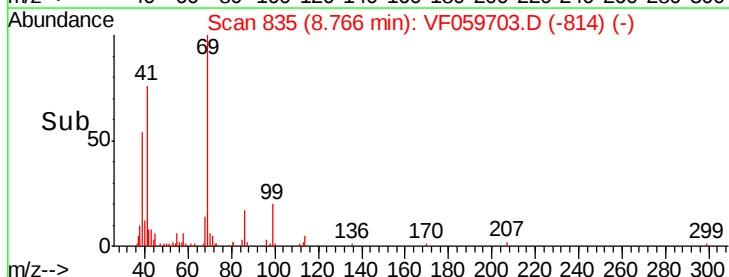
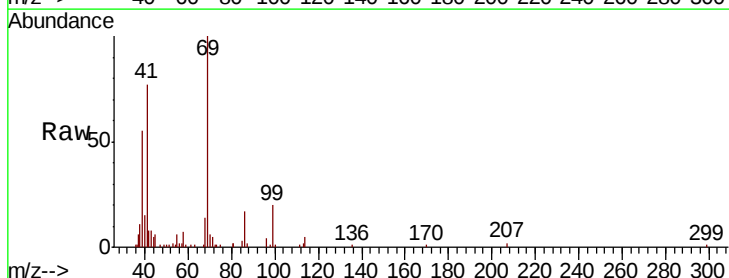
RT: 8.77 min Scan# 835

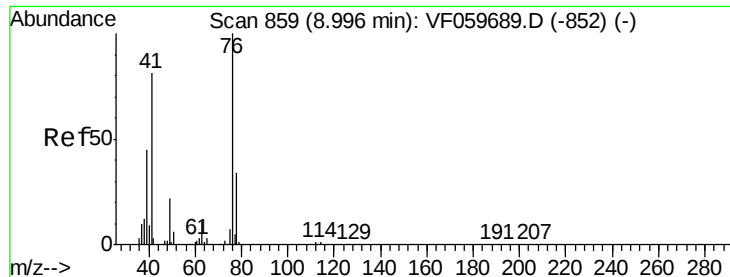
Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Tgt Ion:	69	Resp:	28673
Ion	Ratio	Lower	Upper
69	100		
41	76.8	62.3	93.5
39	55.3	52.4	78.6





#57

1,3-Dichloropropane

Concen: 20.364 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS01

Tot Ion: 76 Resp: 50937

Ion Ratio Lower Upper

76 100

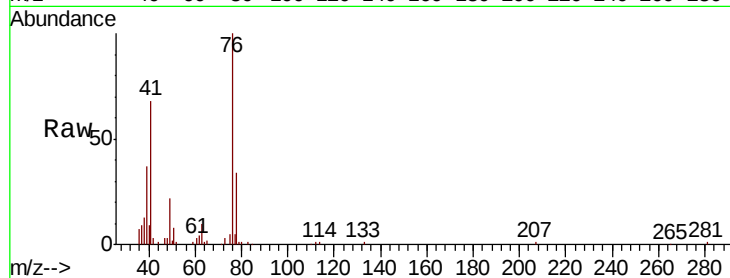
78 34.3 27.2 40.8

Manual Integrations

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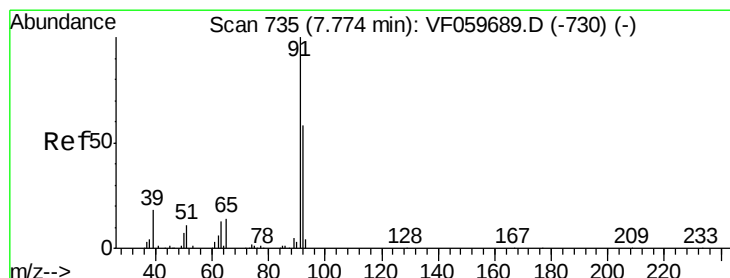
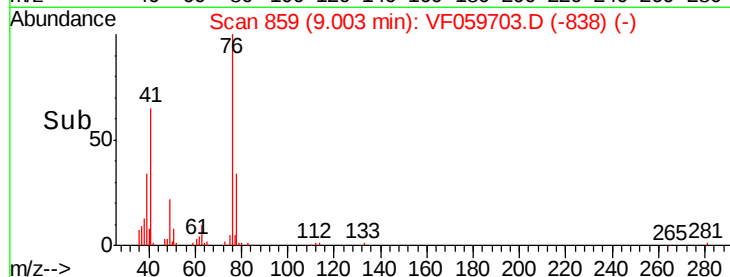
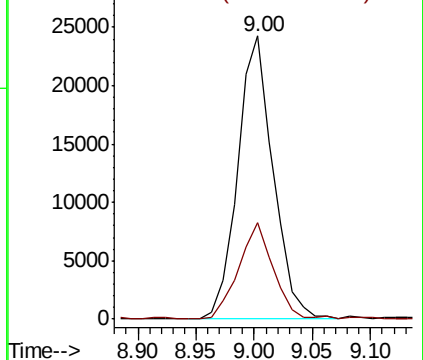
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 100.322 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF059703.D

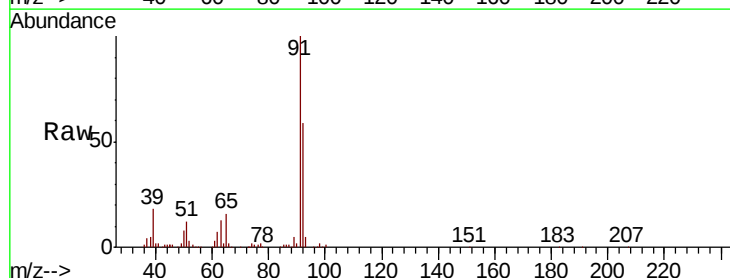
Acq: 31 Jul 2018 12:24

Tgt Ion: 63 Resp: 17613

Ion Ratio Lower Upper

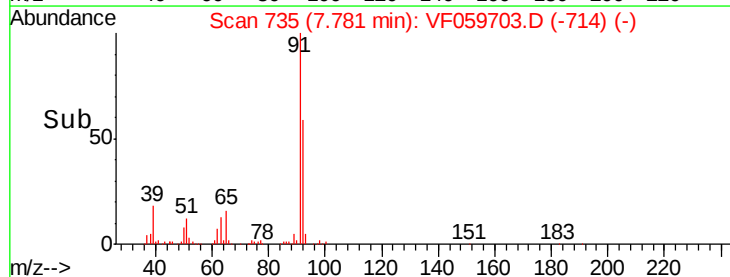
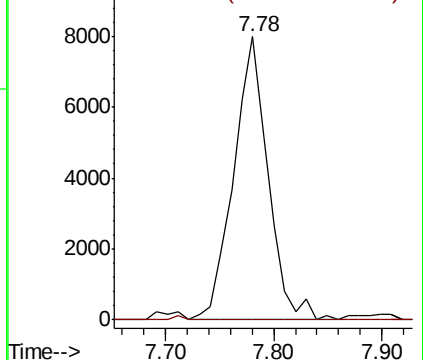
63 100

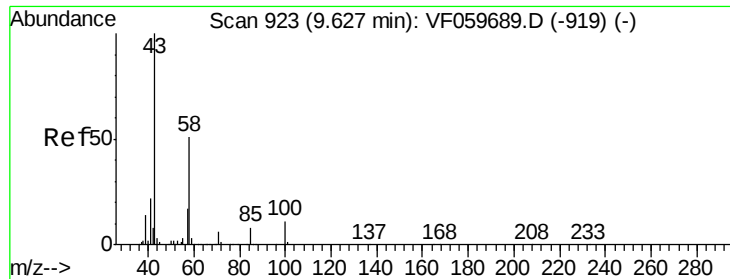
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





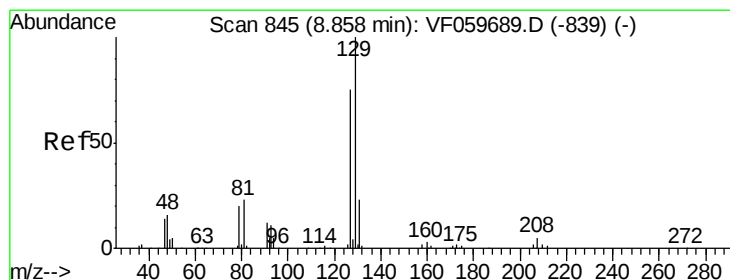
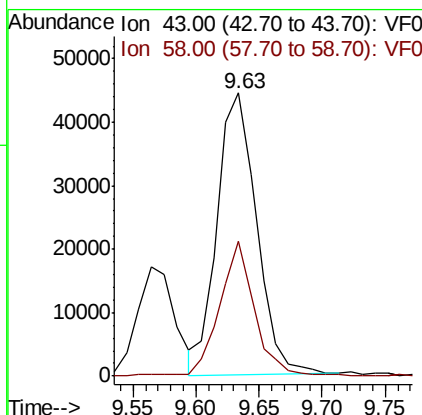
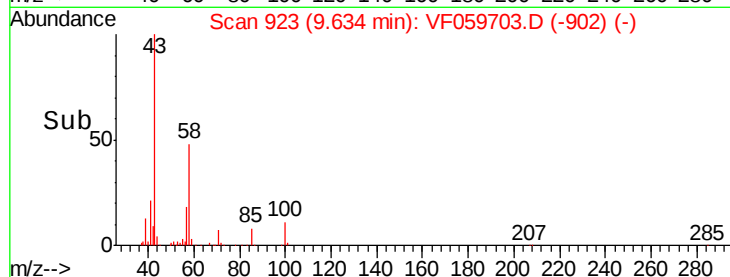
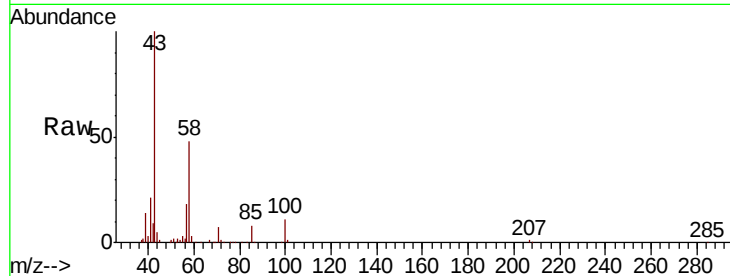
#59
2-Hexanone
Concen: 98.988 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS01

Tot Ion	43	Resp	96190
Ion Ratio	100	Lower	Upper
43	100		
58	47.6	23.3	69.8

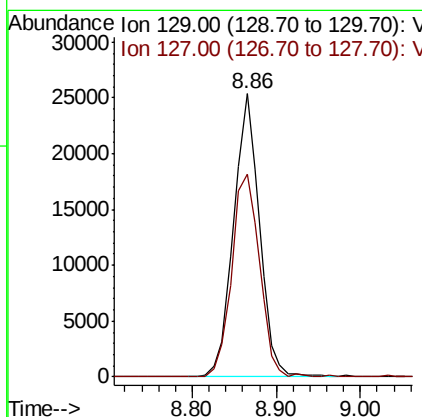
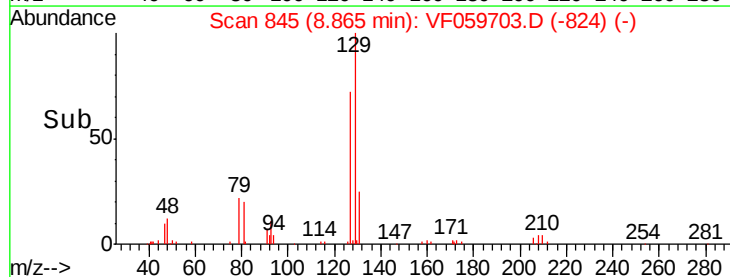
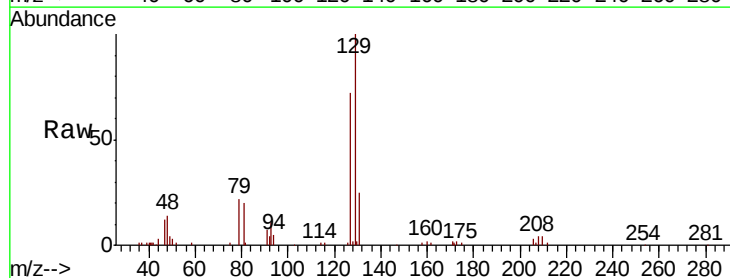
Manual Integrations
APPROVED

apatel
8/1/2018 2:08:29 PM



#60
Dibromochloromethane
Concen: 21.132 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.01 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Tgt Ion	129	Resp	54368	
Ion Ratio	129	100	Lower	Upper
129	100			
127	70.1	37.7	113.1	





#61

1,2-Dibromoethane

Concen: 20.878 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS01

Tot Ion:107 Resp: 35547

Ion Ratio Lower Upper

107 100

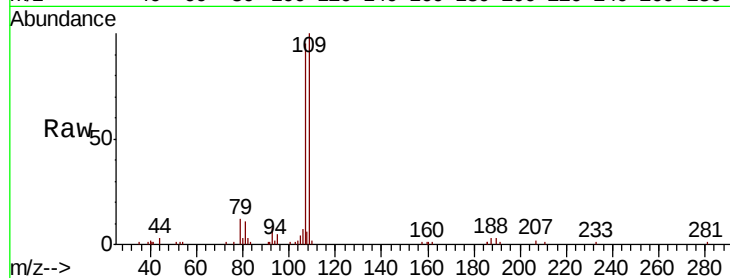
109 104.8 73.6 110.4

Manual Integrations

APPROVED

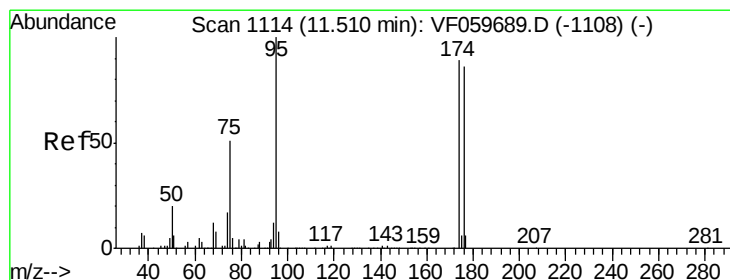
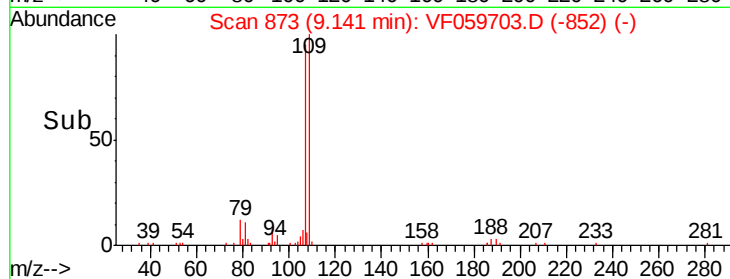
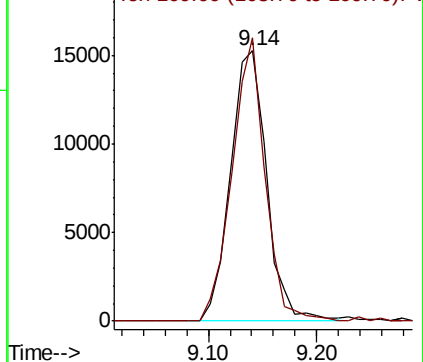
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.380 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

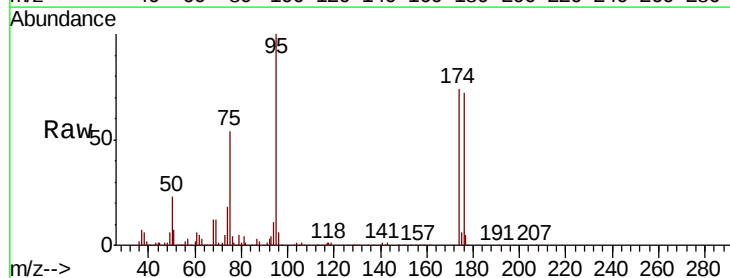
Tgt Ion: 95 Resp: 165789

Ion Ratio Lower Upper

95 100

174 74.2 0.0 178.4

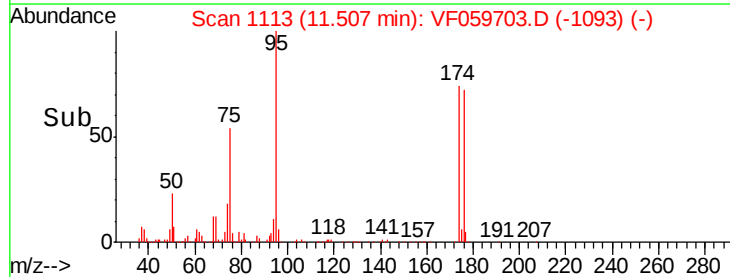
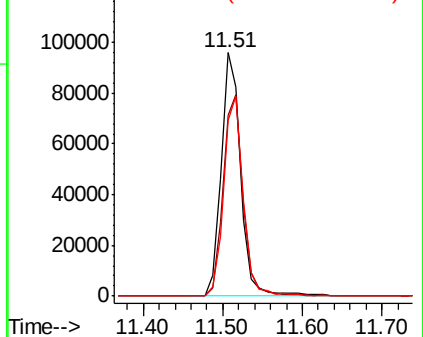
176 72.0 0.0 173.0

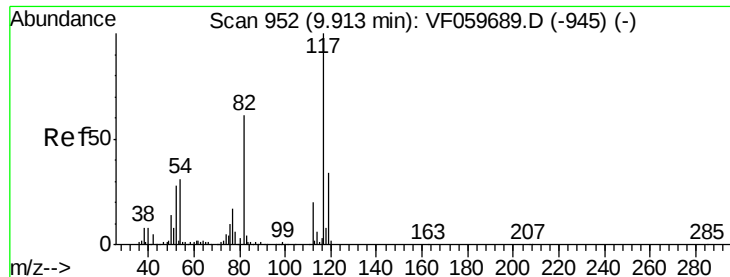


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





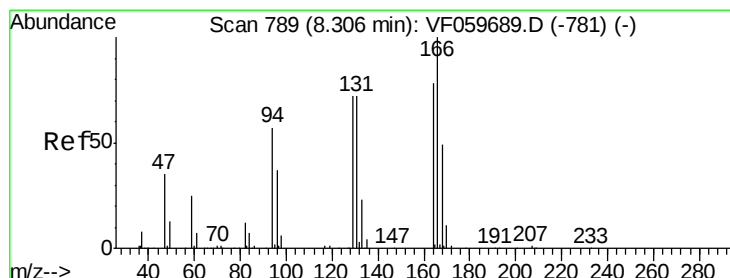
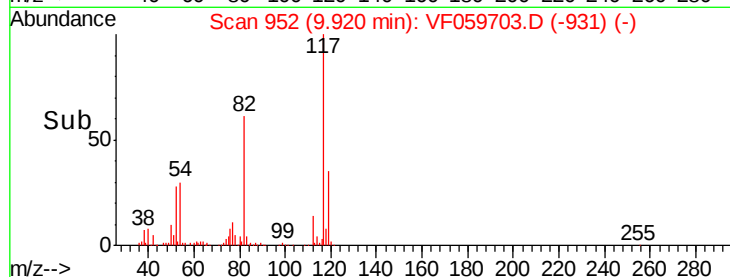
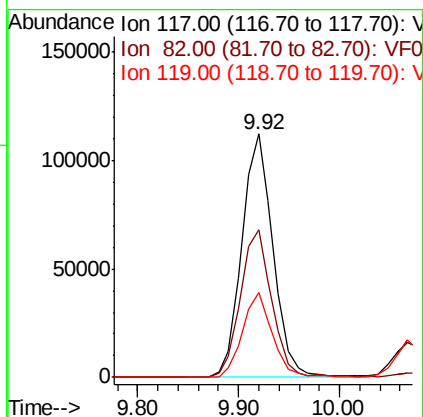
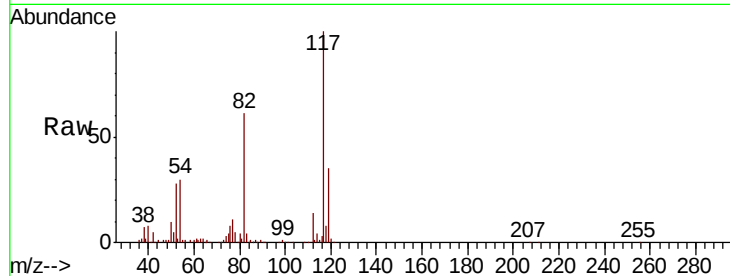
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	241159		
82	60.6	49.0	73.4	
119	34.6	27.3	40.9	

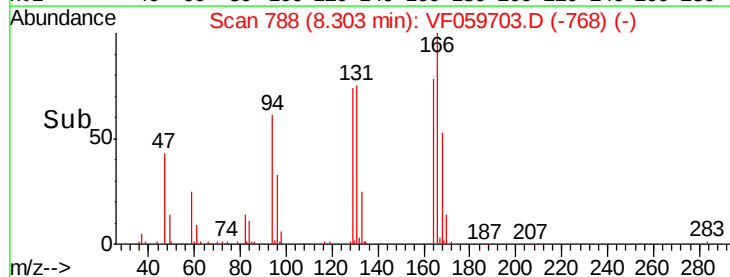
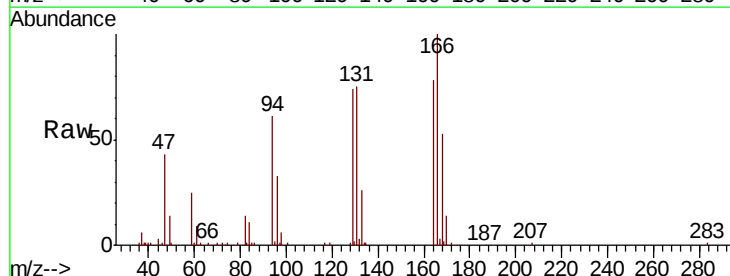
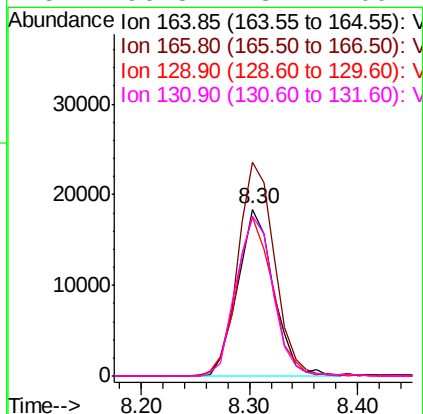
Manual Integrations
APPROVED

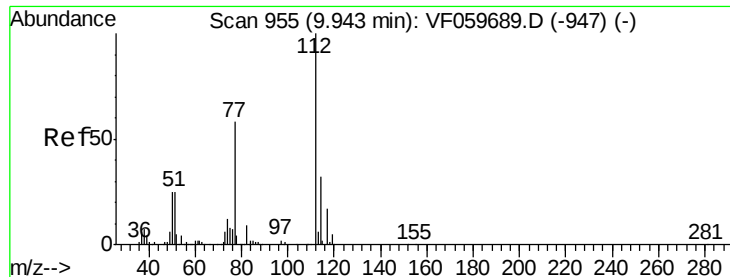
apatel
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#64
Tetrachloroethene
Concen: 23.672 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42325		
166	128.2	102.1	153.1	
129	95.3	73.8	110.6	
131	96.3	73.1	109.7	





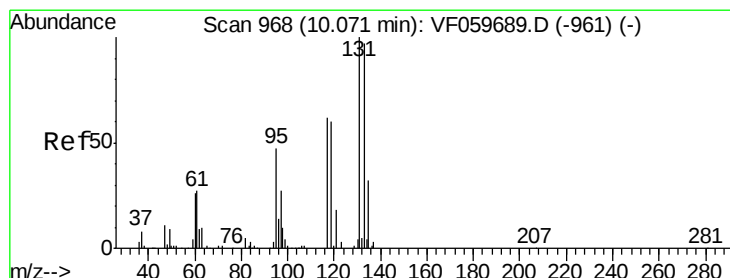
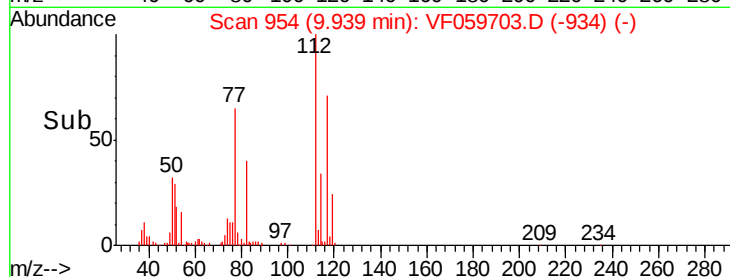
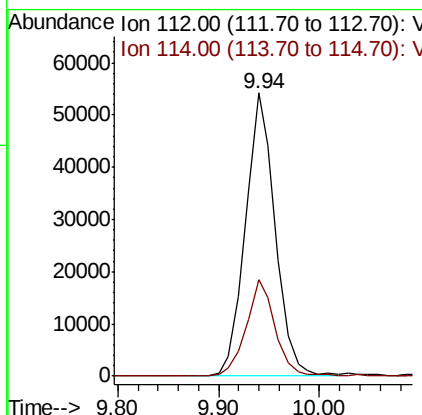
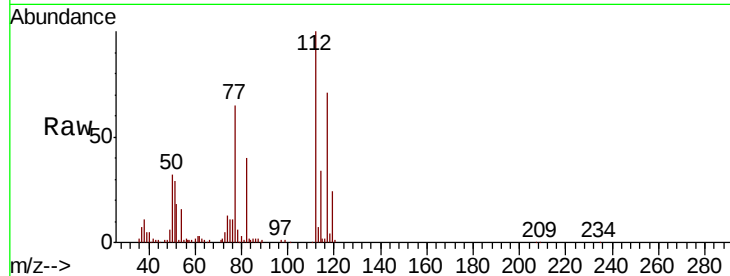
#65
Chlorobenzene
Concen: 23.121 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.1	25.6	38.4

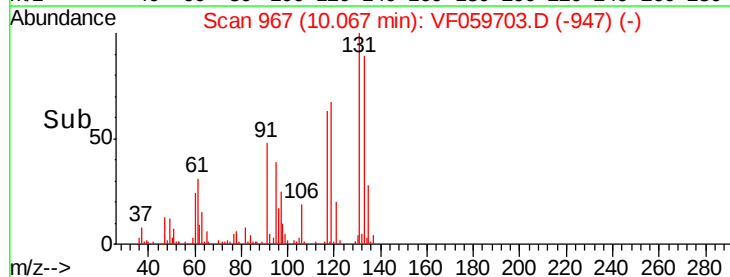
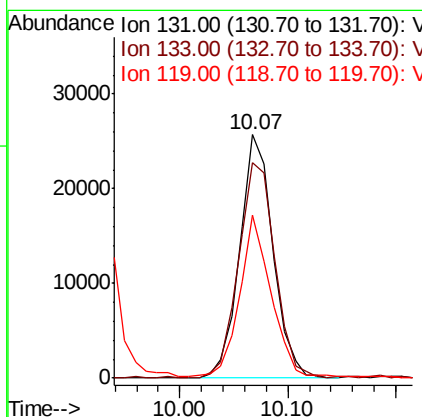
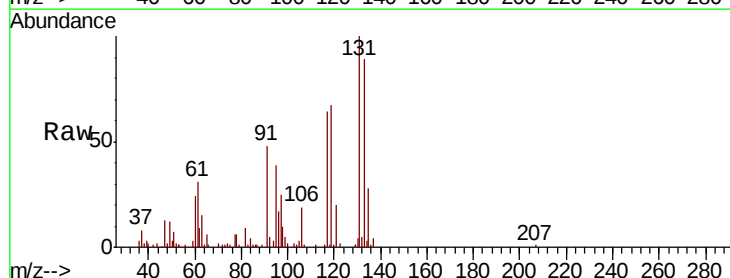
Manual Integrations
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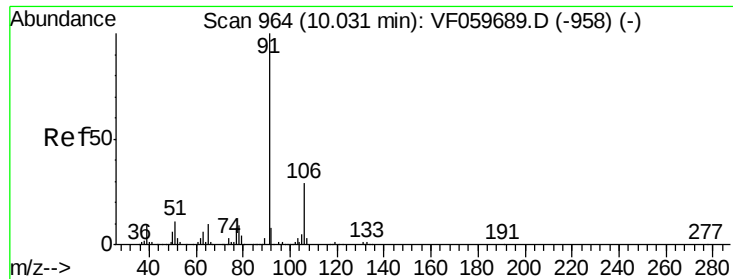
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 24.425 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	88.6	48.5	145.5
119	66.8	30.3	90.8





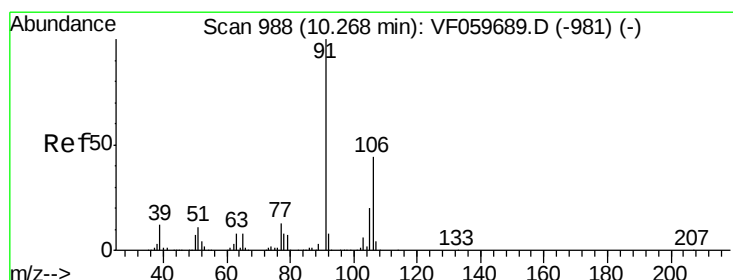
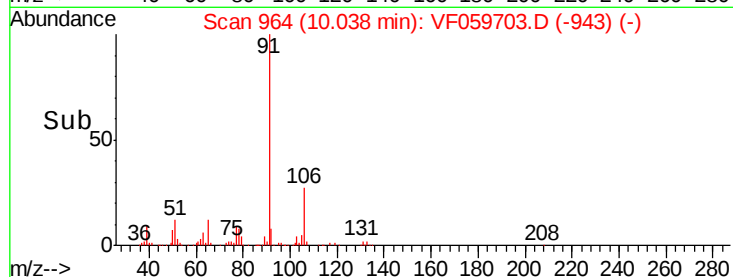
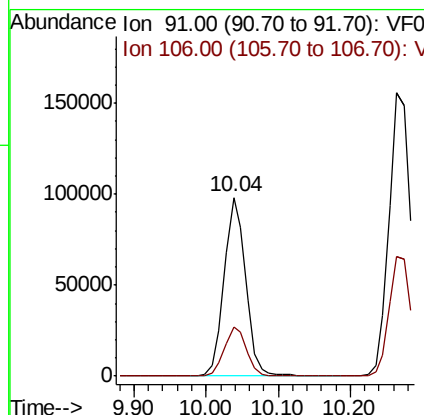
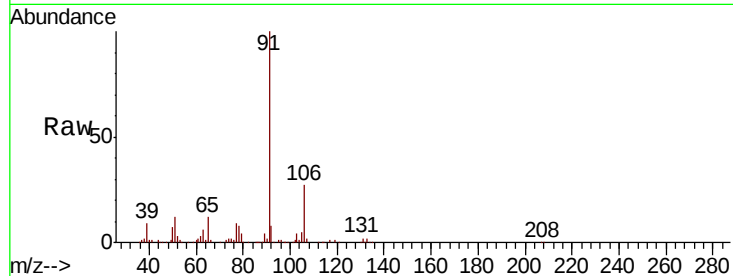
#67
Ethyl Benzene
Concen: 24.335 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS01

Tot Ion: 91 Resp: 203118
Ion Ratio Lower Upper
91 100
106 27.3 22.9 34.3

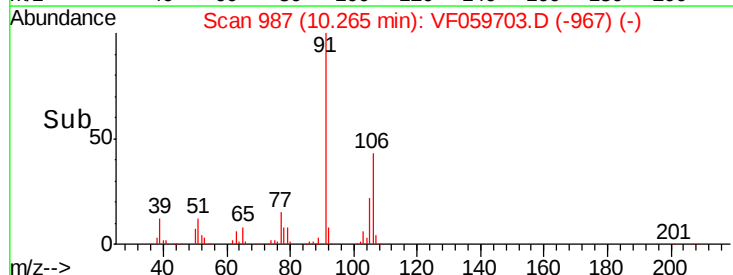
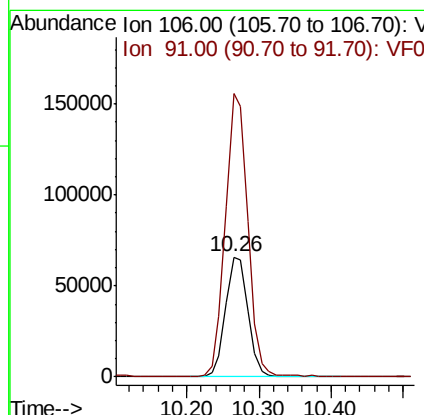
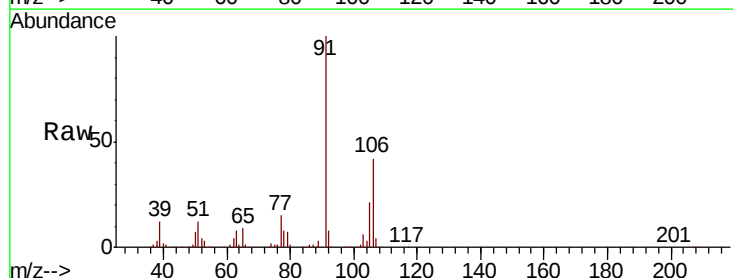
Manual Integrations
APPROVED

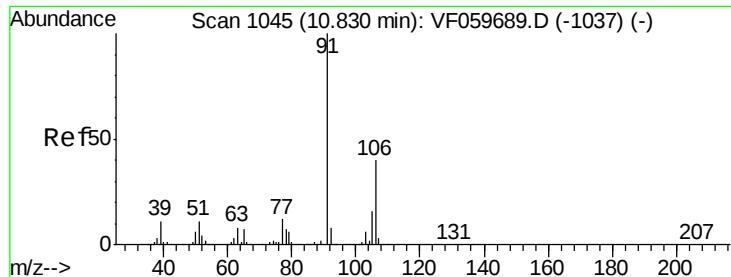
apatel
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#68
m/p-Xylenes
Concen: 50.988 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.00 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Tgt Ion:106 Resp: 143032
Ion Ratio Lower Upper
106 100
91 236.2 181.7 272.5





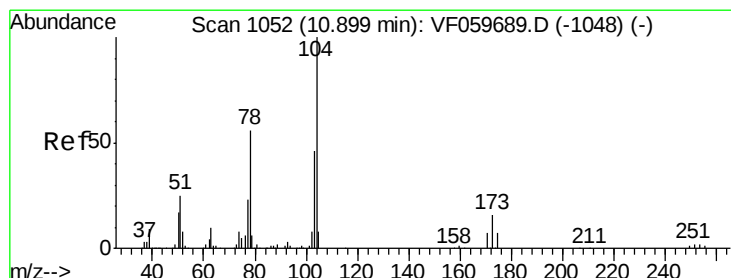
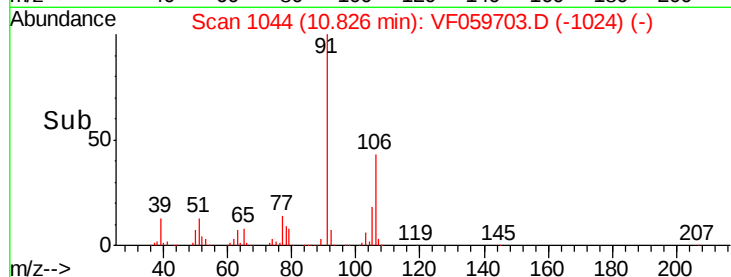
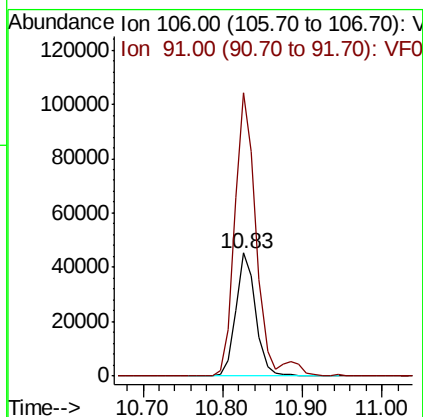
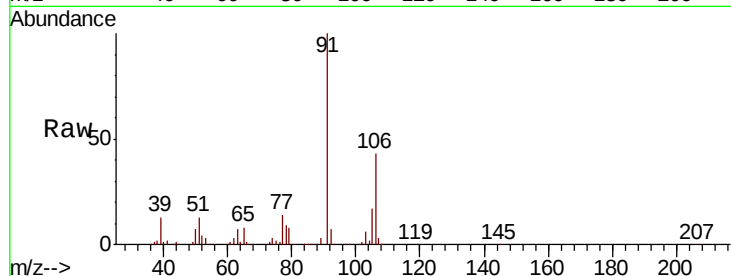
#69
o-Xylene
Concen: 25.923 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Instrument :
MSVOA_F
ClientSampleID :
VF0731SBS01

Tot Ion:106 Resp: 79727
Ion Ratio Lower Upper
106 100
91 230.5 124.6 373.7

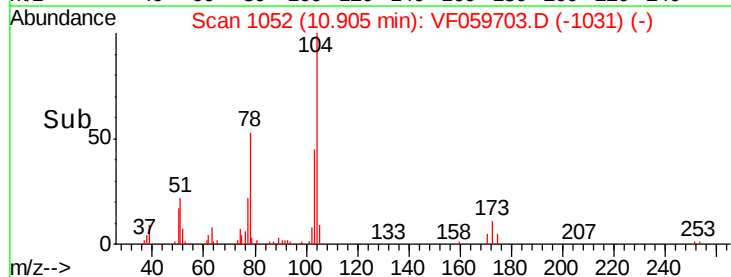
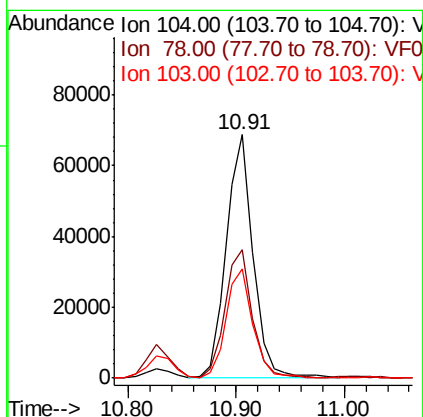
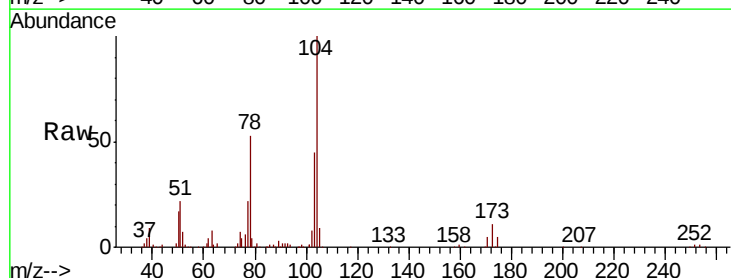
Manual Integrations
APPROVED

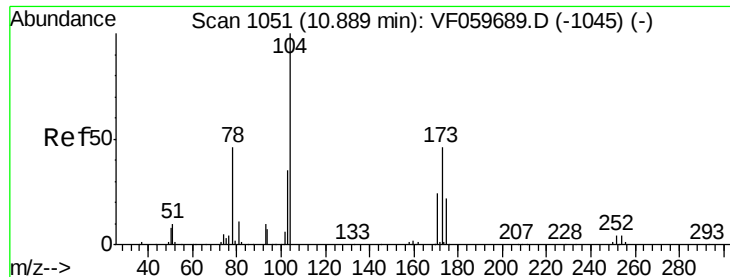
apatel
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#70
Styrene
Concen: 25.284 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Tgt Ion:104 Resp: 117803
Ion Ratio Lower Upper
104 100
78 52.8 45.3 67.9
103 44.9 36.6 54.8





#71

Bromoform

Concen: 22.556 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

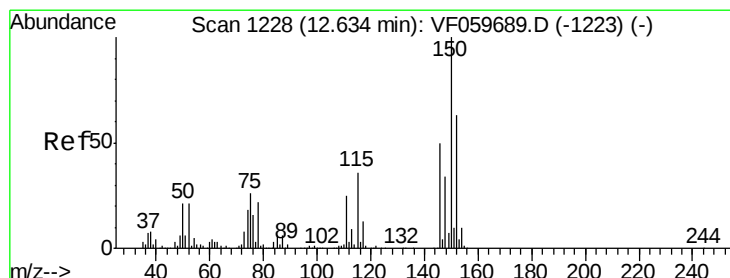
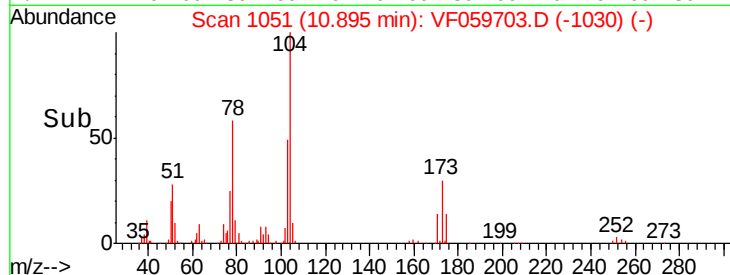
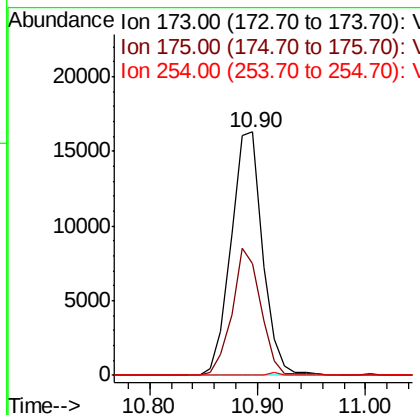
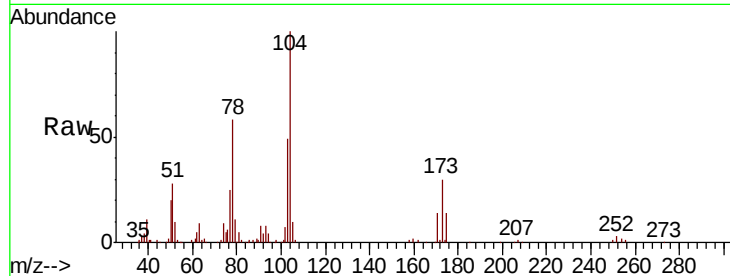
ClientSampleId :

VF0731SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	46.1	23.4	70.0		
254	0.0	0.0	0.0		

Manual Integrations
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apatel
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

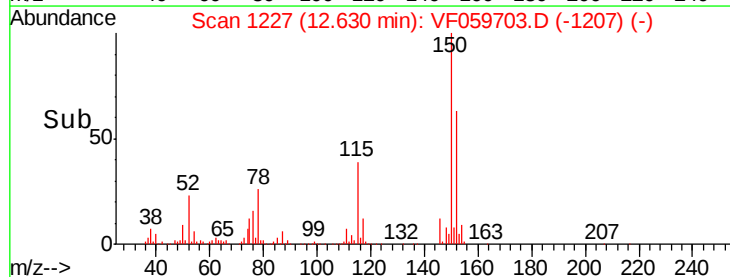
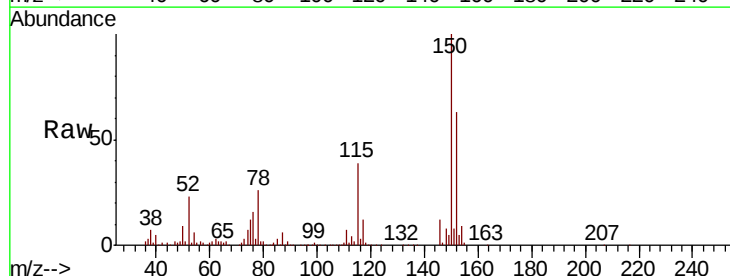
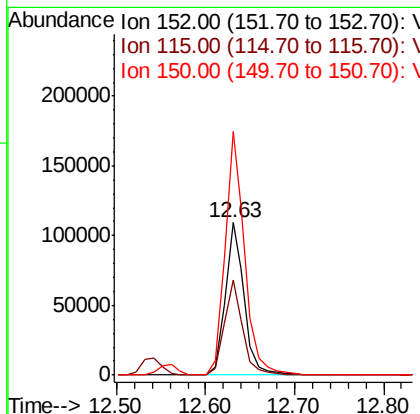
RT: 12.63 min Scan# 1227

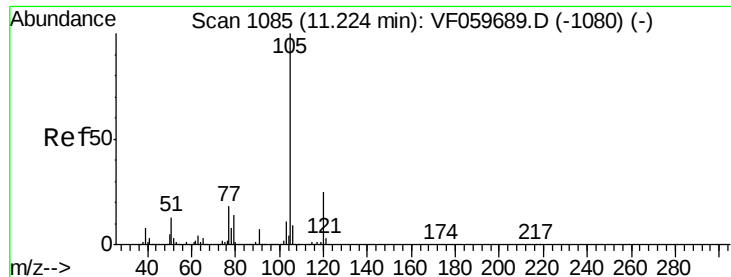
Delta R.T. -0.00 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	62.5	28.2	84.6		
150	159.8	0.0	316.2		





#73

Isopropylbenzene

Concen: 24.528 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS01

Tot Ion:105 Resp: 263039

Ion Ratio Lower Upper

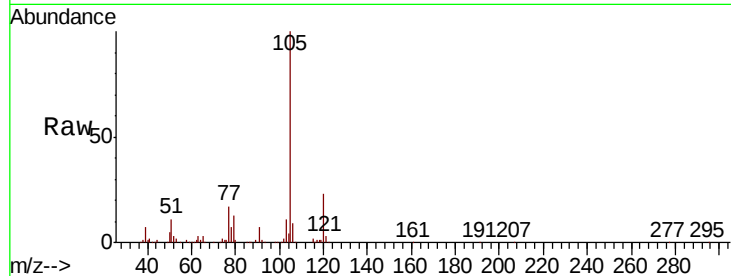
105 100

120 22.9 12.4 37.4

Manual Integrations
APPROVED

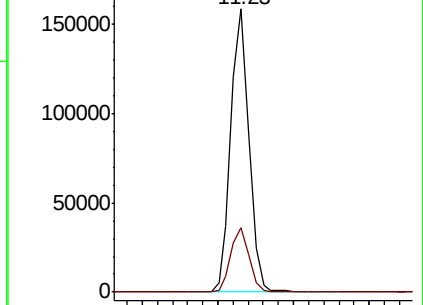
apatel

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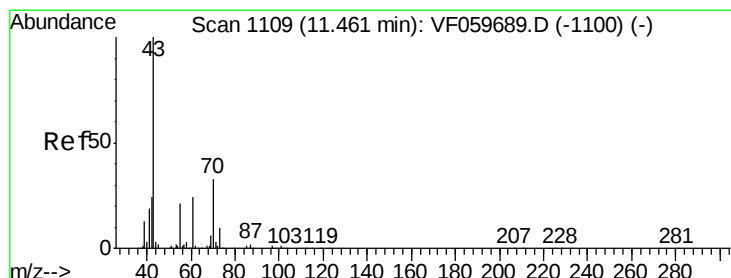
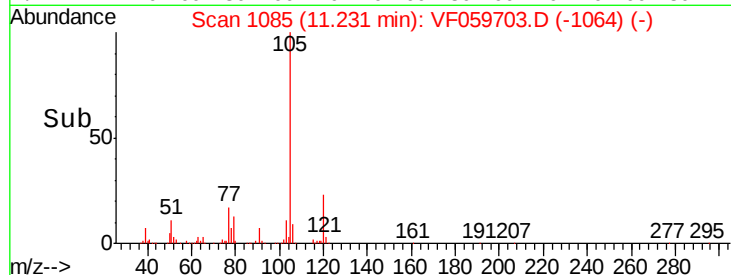


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 19.318 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Tgt Ion: 43 Resp: 52268

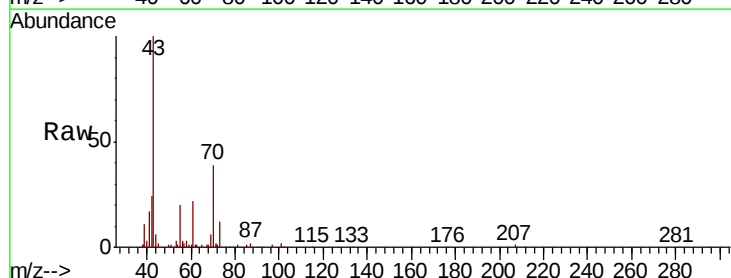
Ion Ratio Lower Upper

43 100

70 38.6 26.3 39.5

55 19.9 16.6 25.0

61 21.9 19.1 28.7

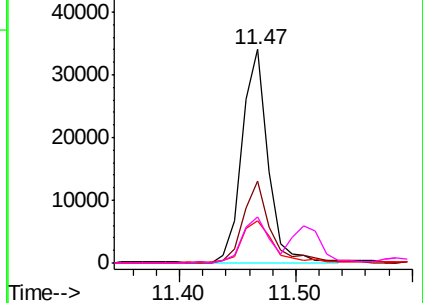


Abundance Ion 43.00 (42.70 to 43.70): VF0

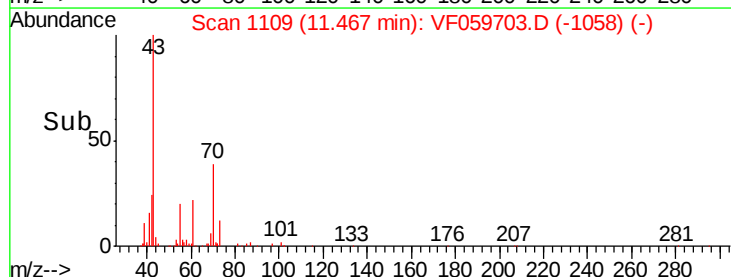
Ion 70.00 (69.70 to 70.70): VF0

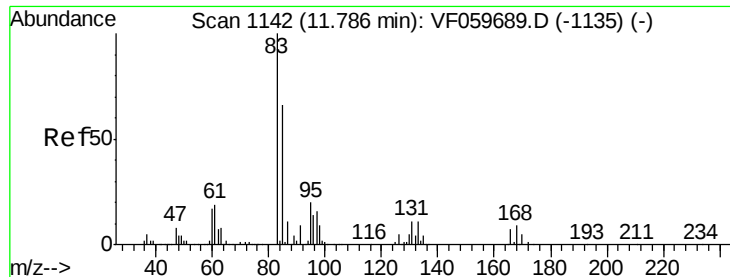
Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.413 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

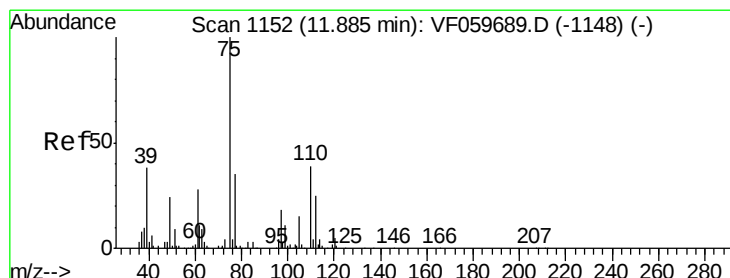
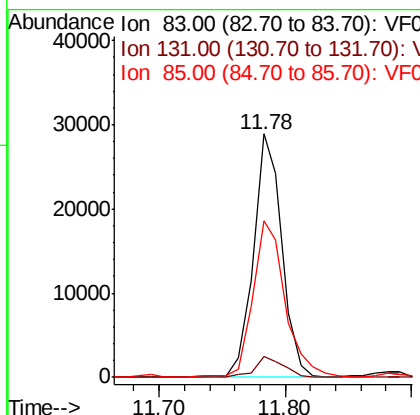
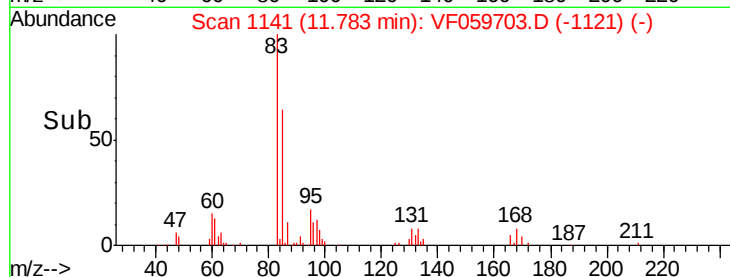
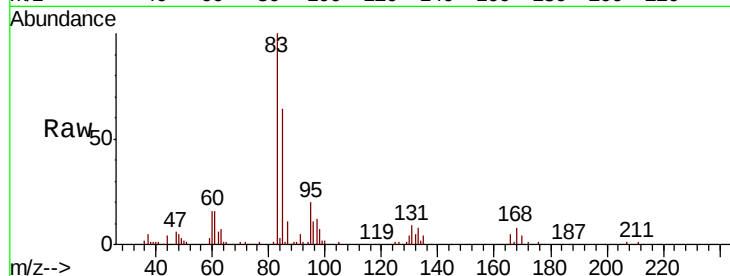
ClientSampleId :

VF0731SBS01

Tot Ion:	83	Resp:	45245
Ion Ratio	Lower	Upper	
83	100		
131	8.6	5.8	17.3
85	64.1	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 21.917 ug/l

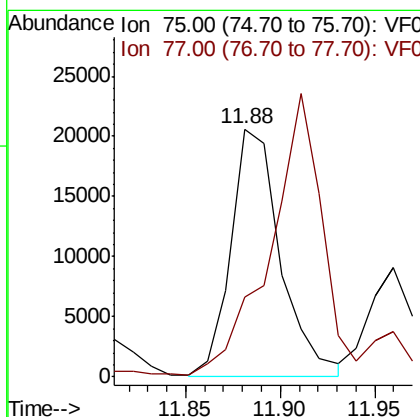
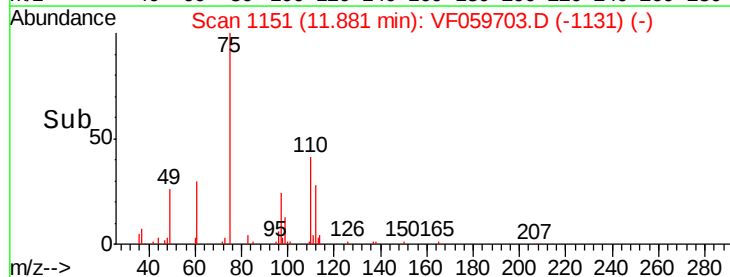
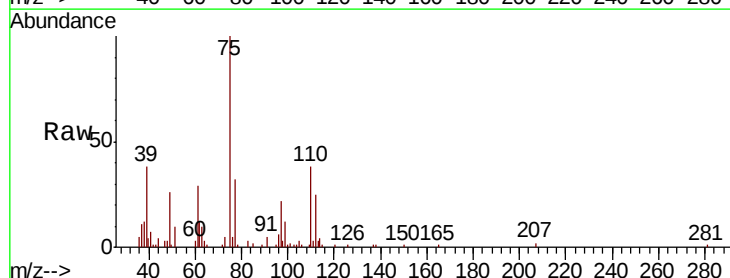
RT: 11.88 min Scan# 1151

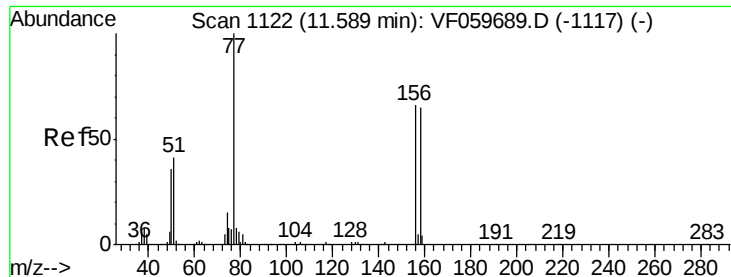
Delta R.T. -0.00 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Tgt Ion:	75	Resp:	37623
Ion Ratio	Lower	Upper	
75	100		
77	32.4	18.0	54.0





#77

Bromobenzene

Concen: 21.851 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

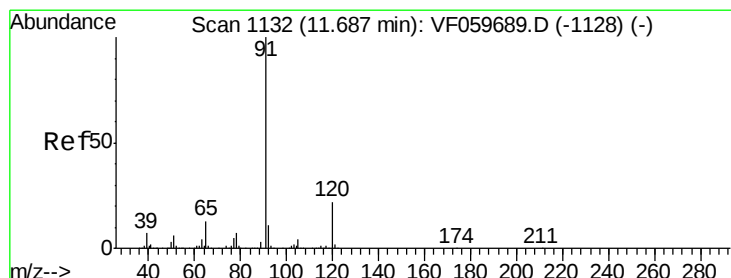
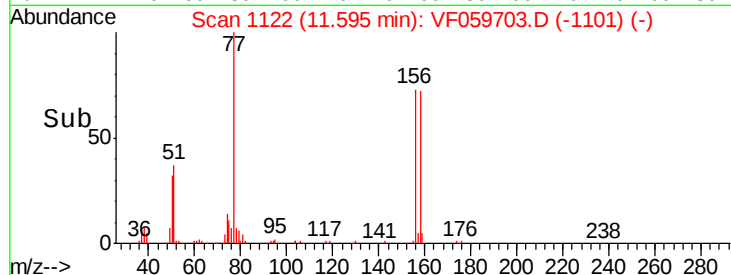
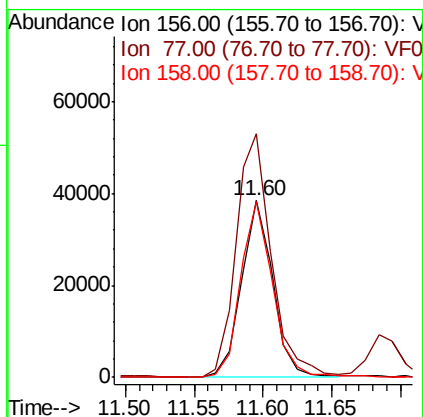
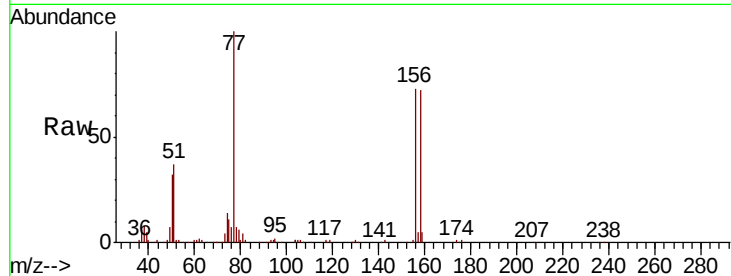
ClientSampleId :

VF0731SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	137.8	75.2	225.6	
158	99.6	49.1	147.3	

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#78

n-propylbenzene

Concen: 25.118 ug/l

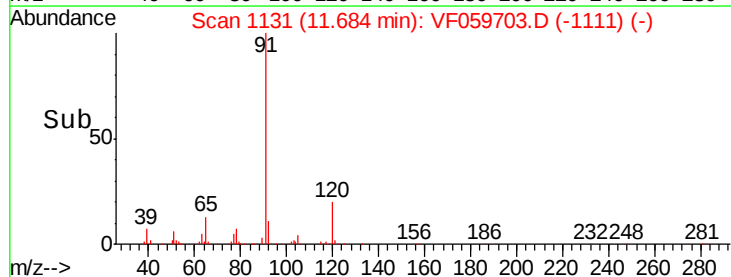
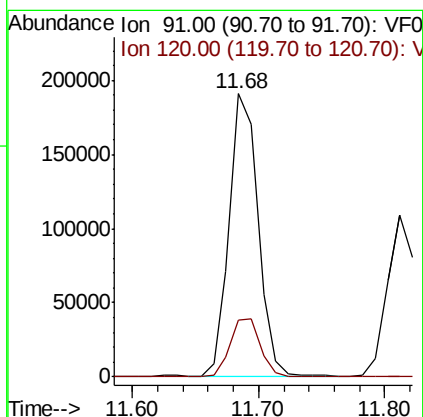
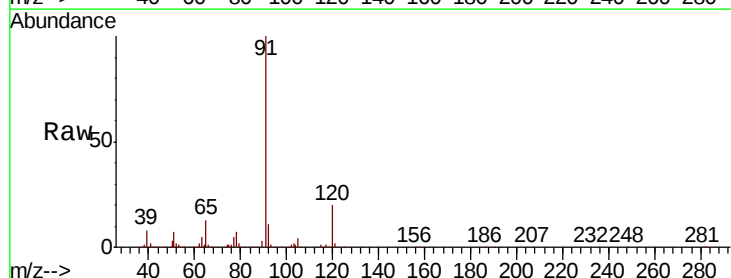
RT: 11.68 min Scan# 1131

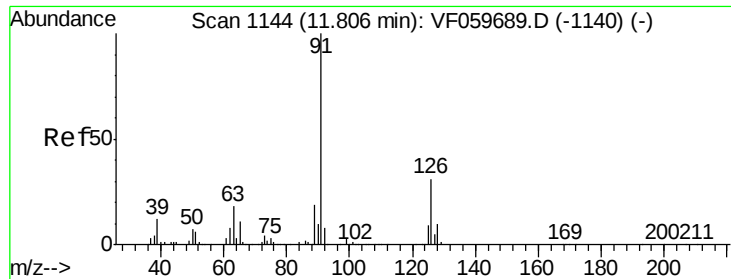
Delta R.T. -0.00 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	20.0	11.0	33.0	





#79

2-Chlorotoluene

Concen: 22.626 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS01

Tot Ion: 91 Resp: 173161

Ion Ratio Lower Upper

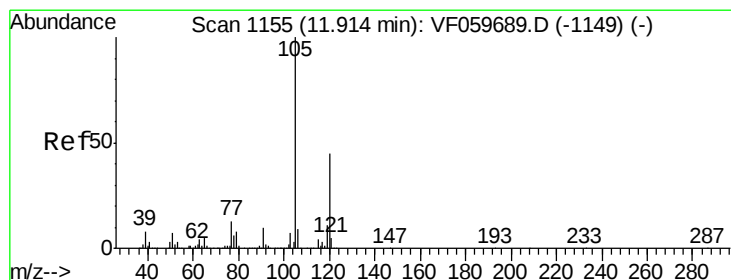
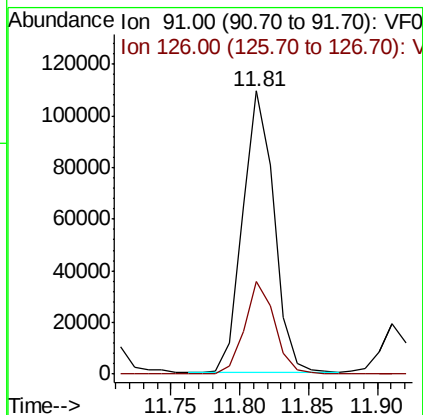
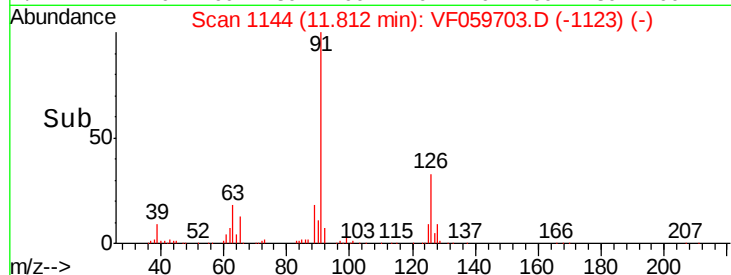
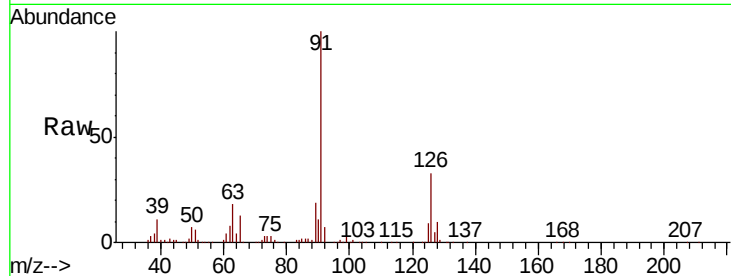
91 100

126 33.0 15.4 46.2

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#80

1,3,5-Trimethylbenzene

Concen: 24.772 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF059703.D

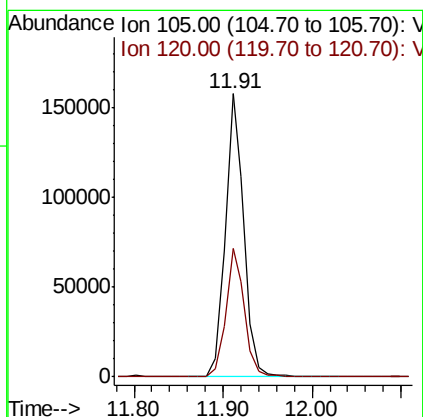
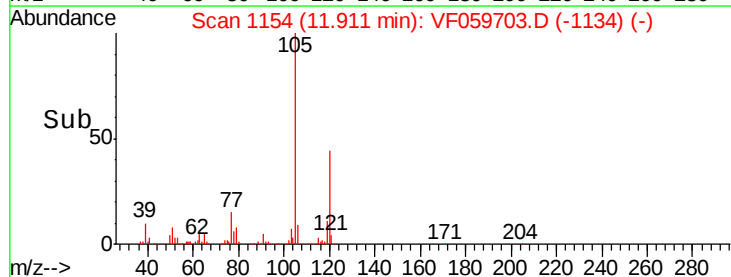
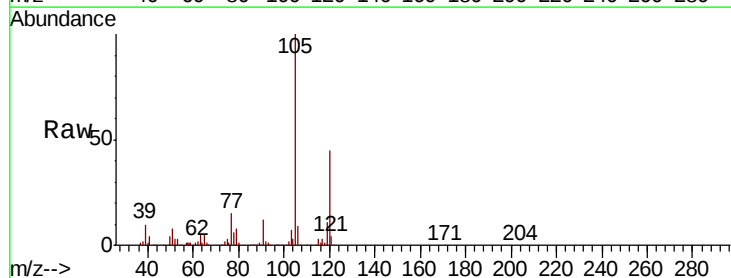
Acq: 31 Jul 2018 12:24

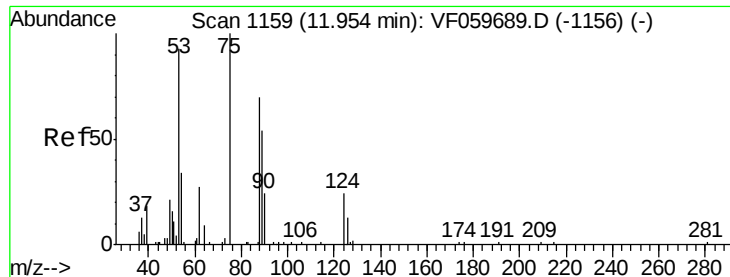
Tgt Ion: 105 Resp: 231613

Ion Ratio Lower Upper

105 100

120 45.2 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 30.297 ug/l

RT: 11.96 min Scan# 1159

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

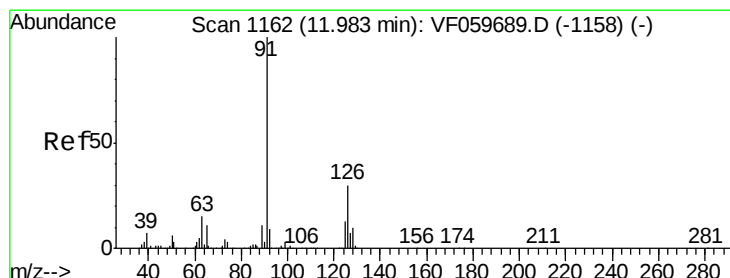
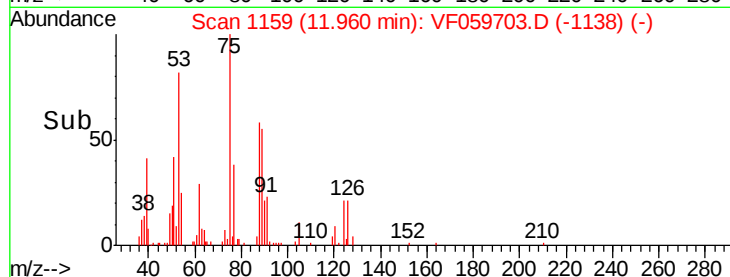
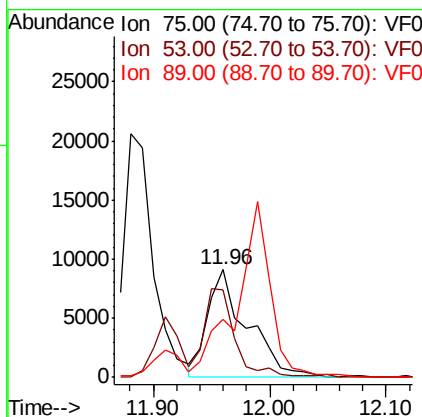
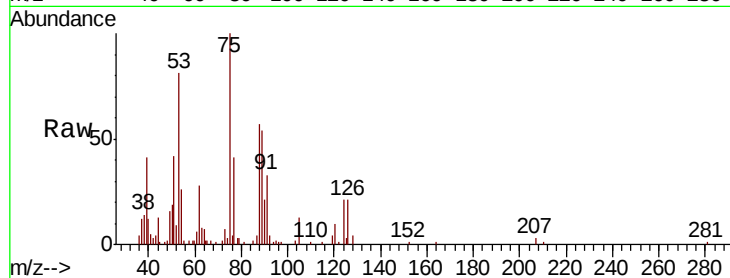
ClientSampleId :

VF0731SBS01

Tot Ion:	75	Resp:	21538
Ion	Ratio	Lower	Upper
75	100		
53	81.1	78.3	117.5
89	53.9	45.4	68.2

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#82

4-Chlorotoluene

Concen: 23.396 ug/l

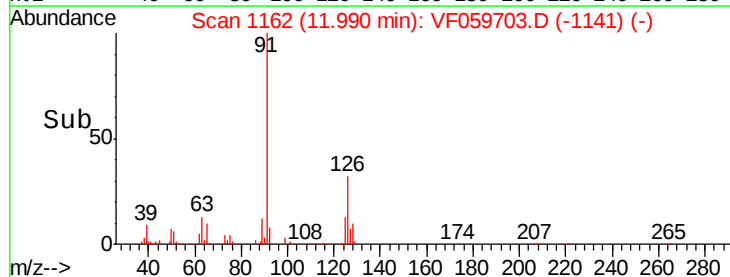
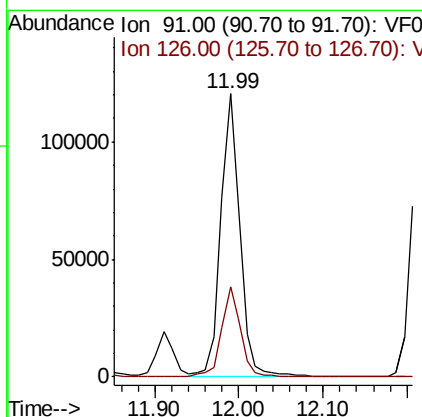
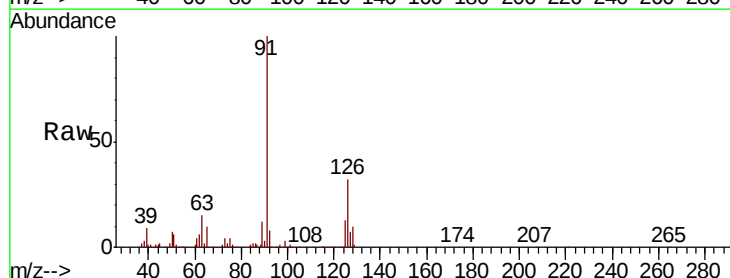
RT: 11.99 min Scan# 1162

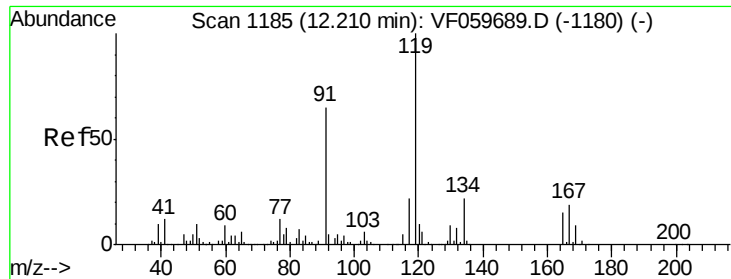
Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Tgt Ion:	91	Resp:	188680
Ion	Ratio	Lower	Upper
91	100		
126	31.9	15.2	45.6





#83

tert-Butylbenzene

Concen: 24.358 ug/l

RT: 12.22 min Scan# 1185

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

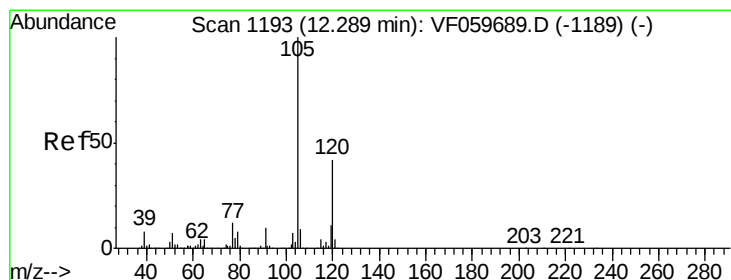
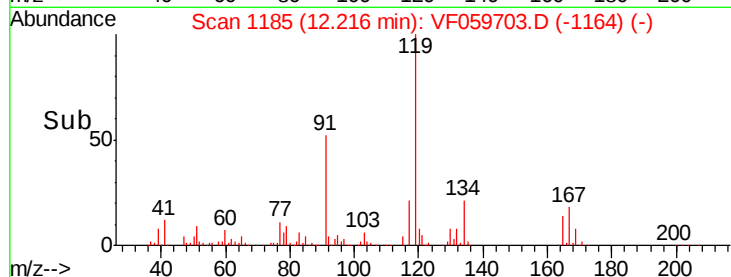
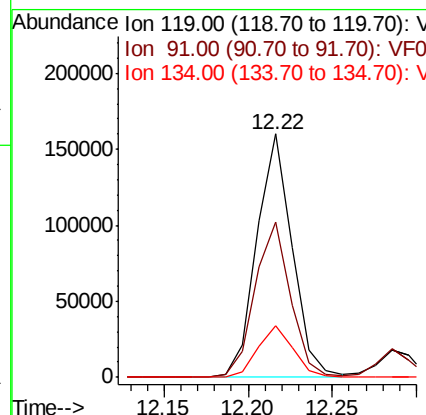
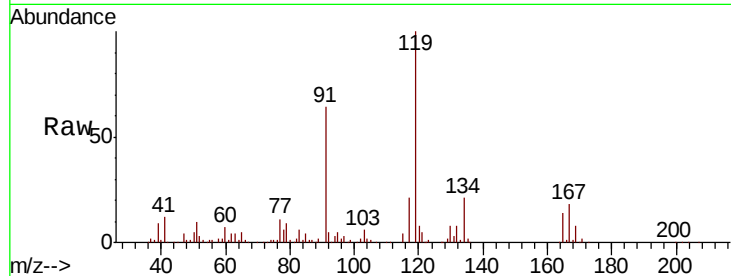
ClientSampleId :

VF0731SBS01

Tot Ion:	119	Resp:	234501
Ion Ratio	Lower	Upper	
119	100		
91	63.8	32.8	98.4
134	21.2	10.9	32.7

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#84

1,2,4-Trimethylbenzene

Concen: 24.190 ug/l

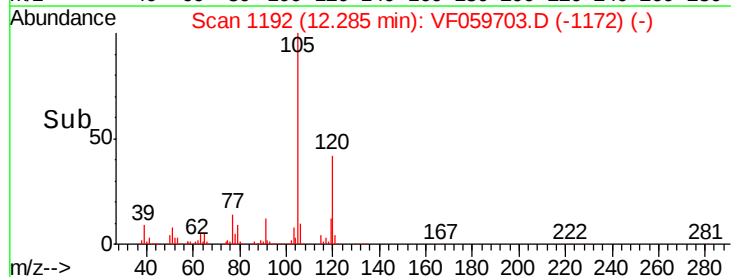
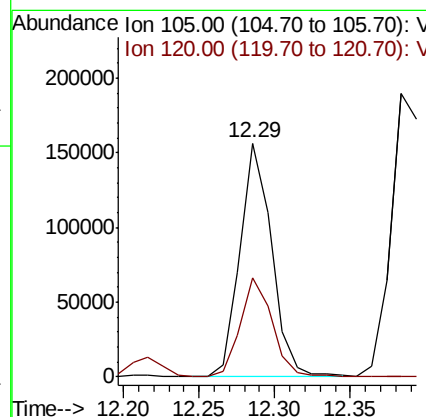
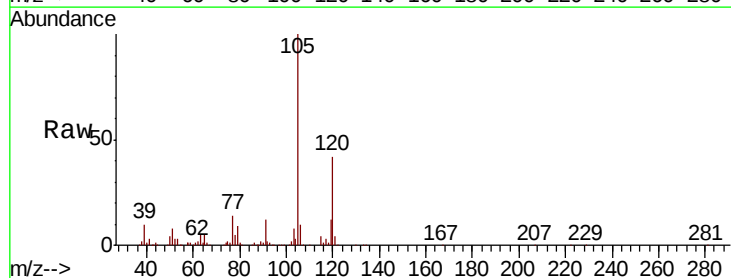
RT: 12.29 min Scan# 1192

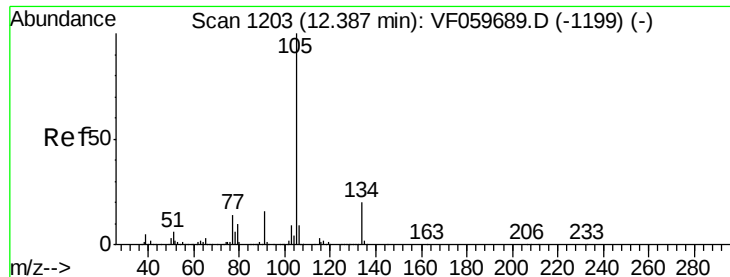
Delta R.T. -0.00 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Tgt Ion:	105	Resp:	228985
Ion Ratio	Lower	Upper	
105	100		
120	42.4	21.1	63.3





#85

sec-Butylbenzene

Concen: 24.402 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

ClientSampleId :

VF0731SBS01

Tot Ion:105 Resp: 297526

Ion Ratio Lower Upper

105 100

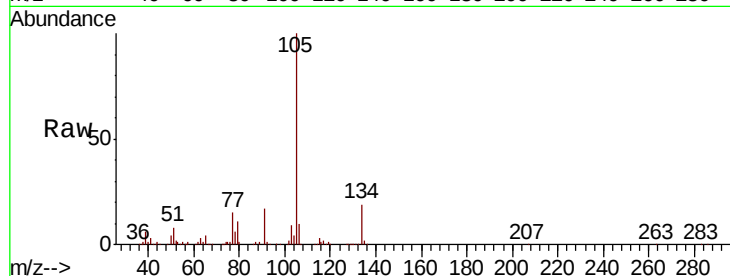
134 18.7 9.8 29.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

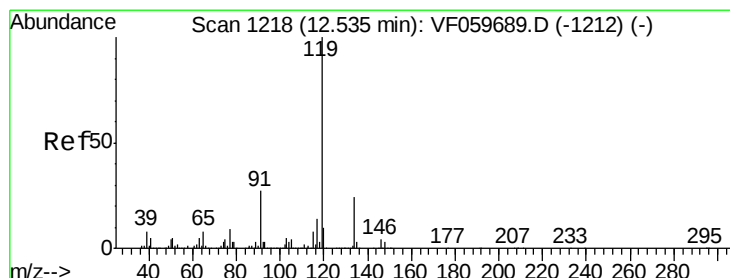
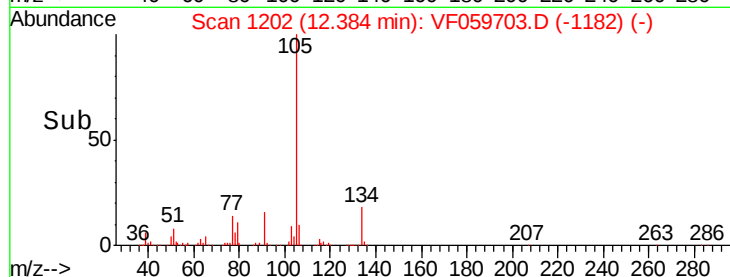
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#86

p-Isopropyltoluene

Concen: 24.404 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

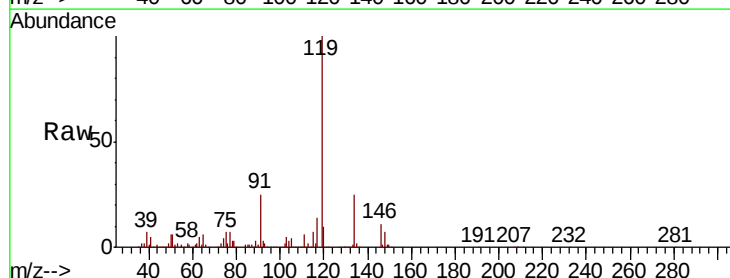
Tgt Ion:119 Resp: 260393

Ion Ratio Lower Upper

119 100

134 24.6 12.2 36.6

91 25.0 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

250000

200000

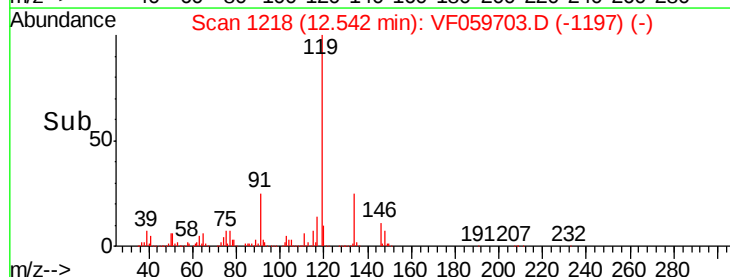
150000

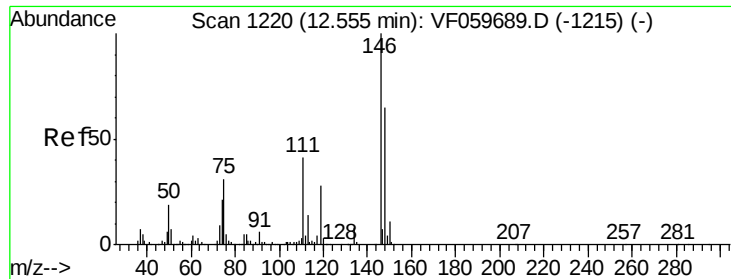
100000

50000

0

Time--> 12.40 12.50 12.60





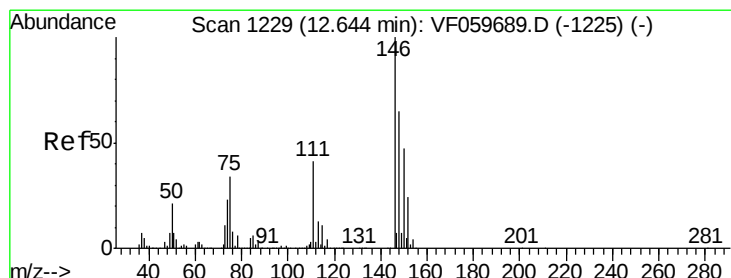
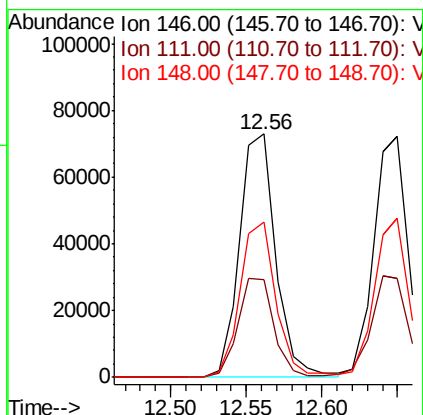
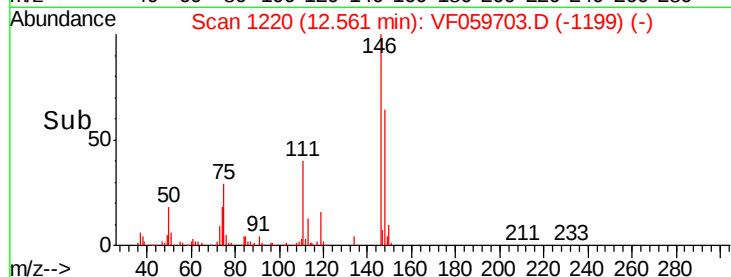
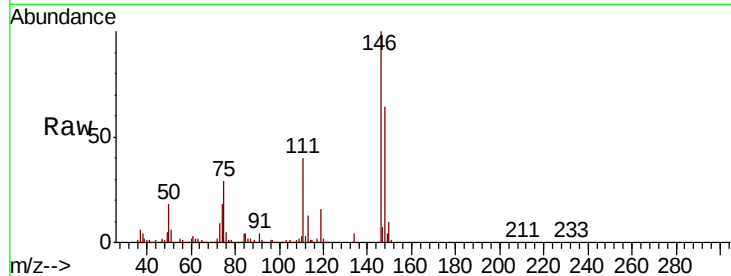
#87
 1,3-Dichlorobenzene
 Concen: 23.572 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059703.D
 Acq: 31 Jul 2018 12:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.7	62.1
148	63.9	32.3	96.8

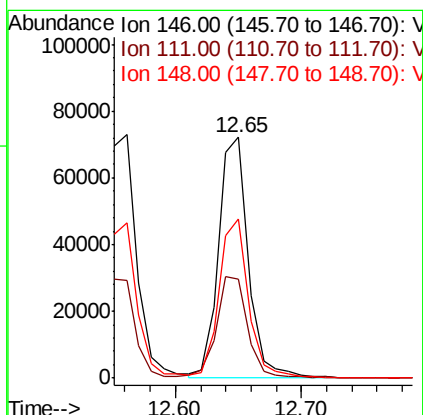
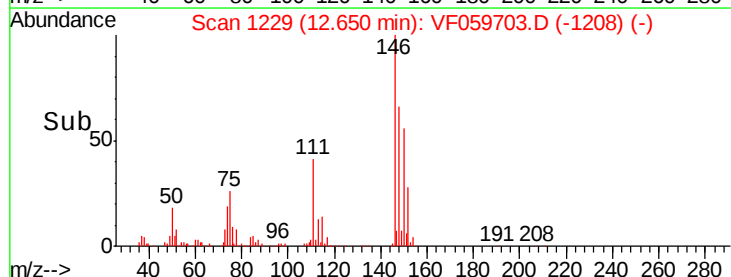
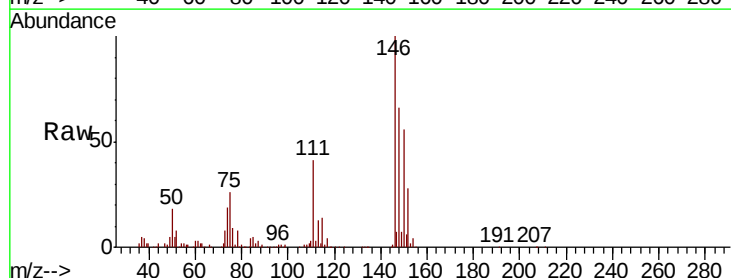
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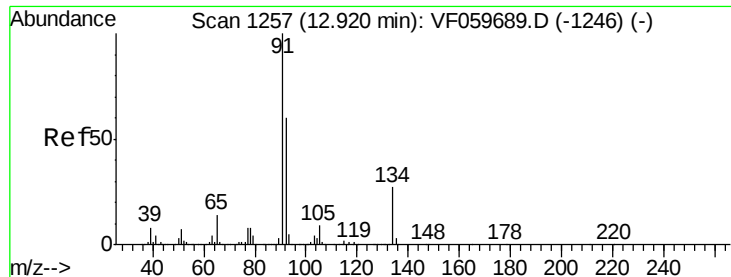
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 23.196 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059703.D
 Acq: 31 Jul 2018 12:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.8	62.2
148	66.3	32.3	96.9





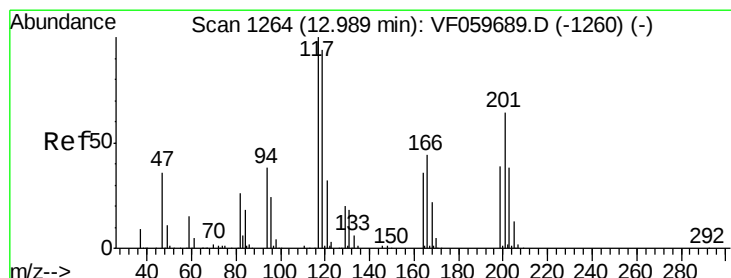
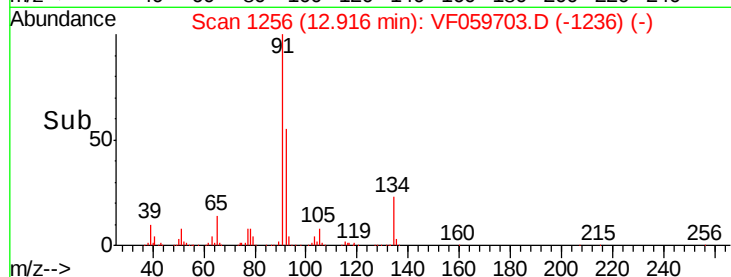
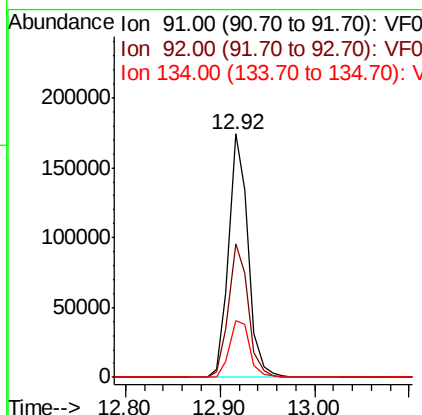
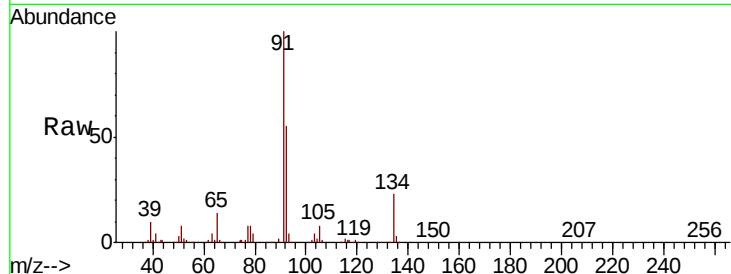
#89
n-Butylbenzene
Concen: 24.445 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	30.1	90.3
134	23.2	13.7	41.0

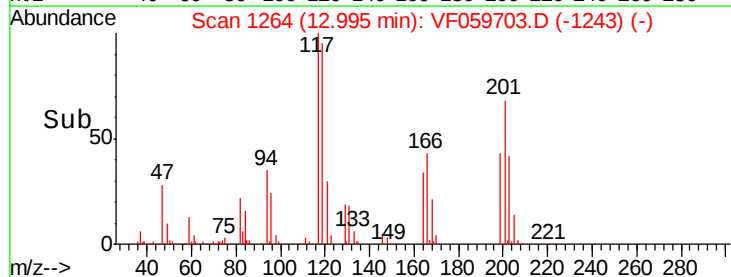
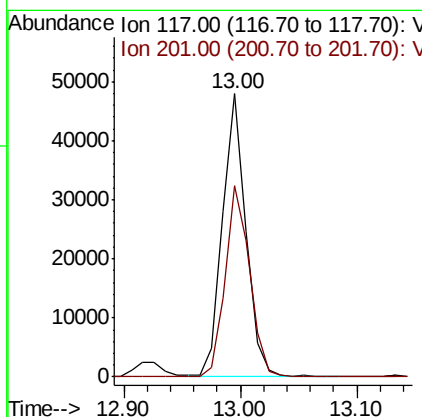
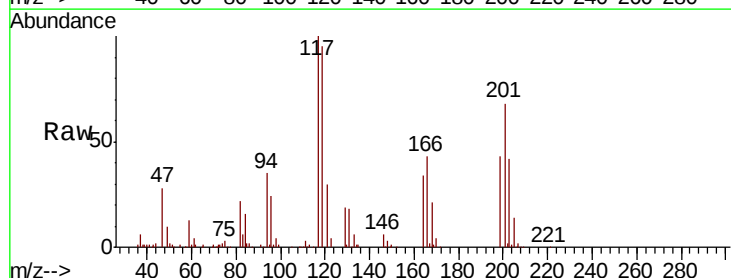
Manual Integrations
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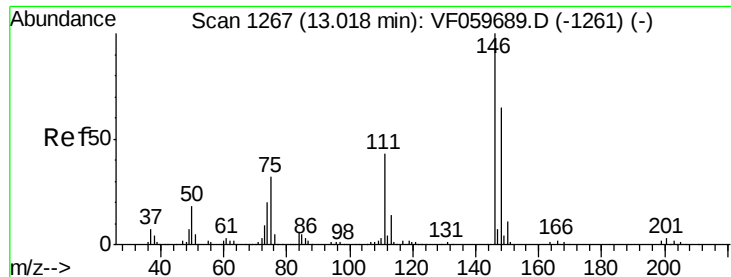
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#90
Hexachloroethane
Concen: 24.847 ug/l
RT: 13.00 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	67.6	31.9	95.5





#91

1,2-Dichlorobenzene

Concen: 24.569 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Instrument :

MSVOA_F

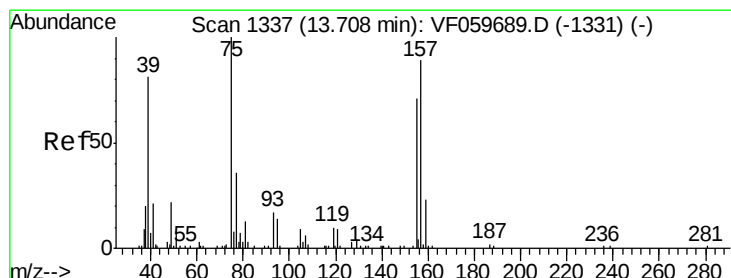
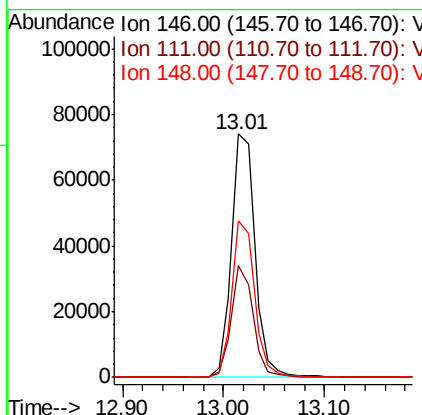
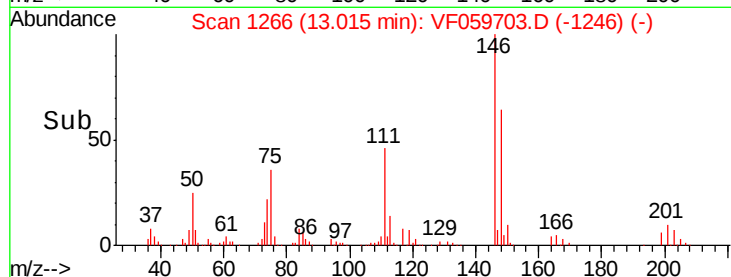
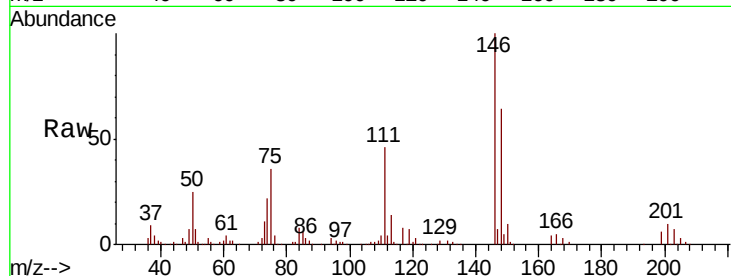
ClientSampleId :

VF0731SBS01

Tot Ion:	146	Resp:	119834
Ion Ratio	Lower	Upper	
146	100		
111	45.9	21.6	65.0
148	64.4	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.535 ug/l

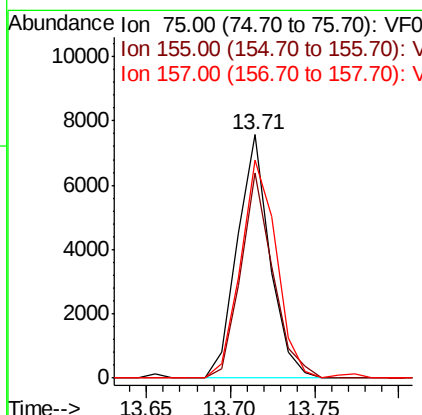
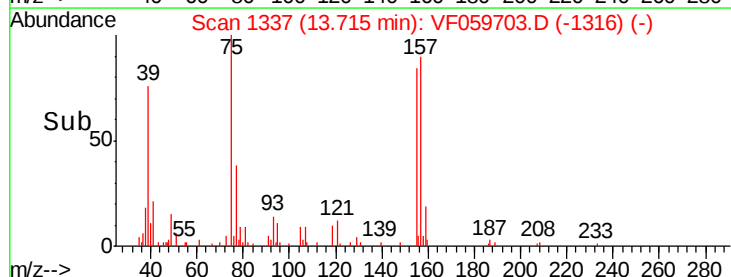
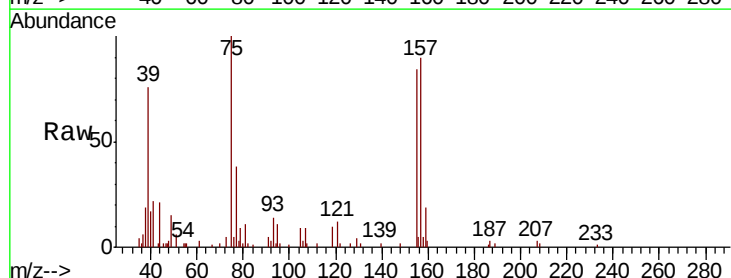
RT: 13.71 min Scan# 1337

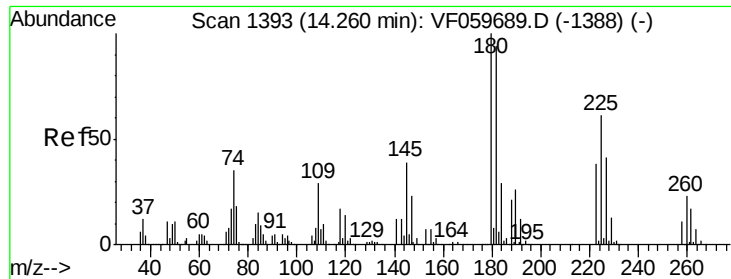
Delta R.T. 0.01 min

Lab File: VF059703.D

Acq: 31 Jul 2018 12:24

Tgt Ion:	75	Resp:	10134
Ion Ratio	Lower	Upper	
75	100		
155	84.3	35.4	106.2
157	89.6	44.4	133.2





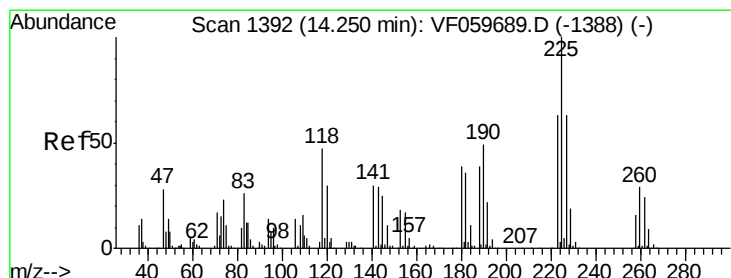
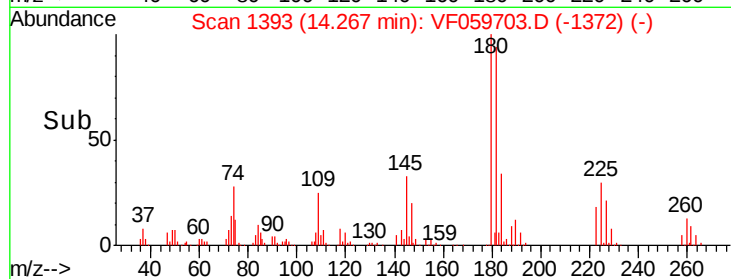
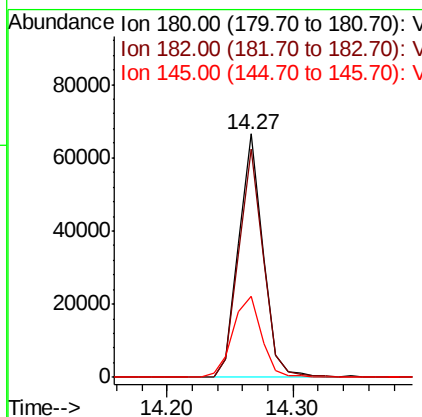
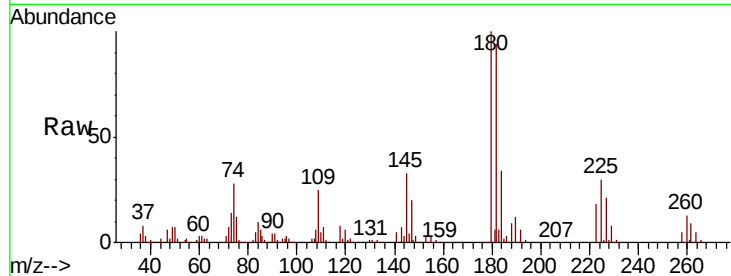
#93
 1,2,4-Trichlorobenzene
 Concen: 22.309 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059703.D
 Acq: 31 Jul 2018 12:24

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0731SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.9	47.2	141.6	
145	33.3	19.3	57.9	

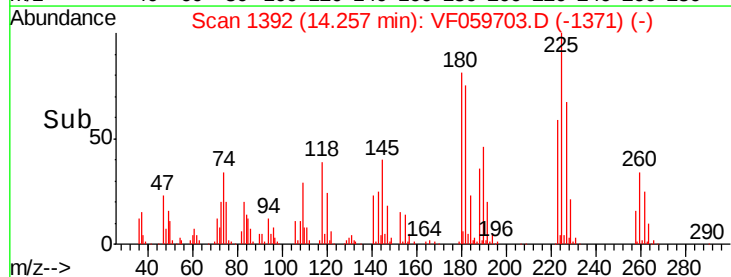
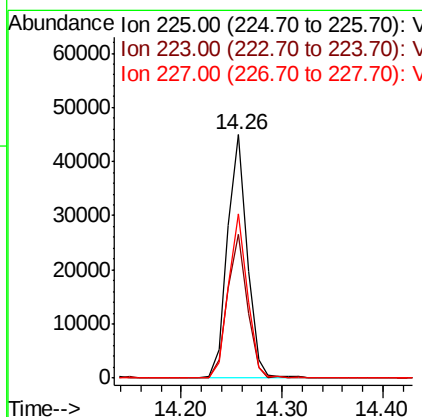
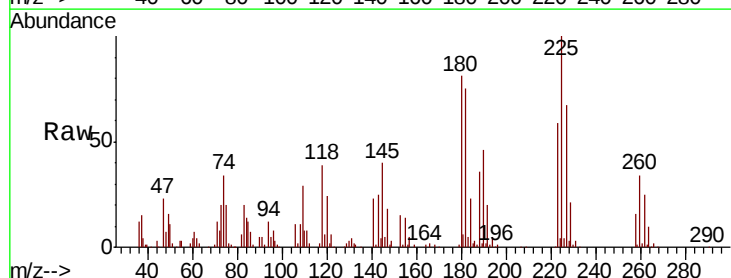
Manual Integrations
 APPROVED

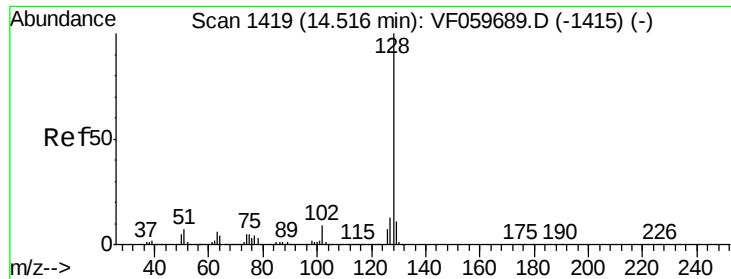
apatel
 8/1/2018 2:08:29 PM



#94
 Hexachlorobutadiene
 Concen: 22.768 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VF059703.D
 Acq: 31 Jul 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	59.0	31.4	94.2	
227	67.5	31.5	94.5	





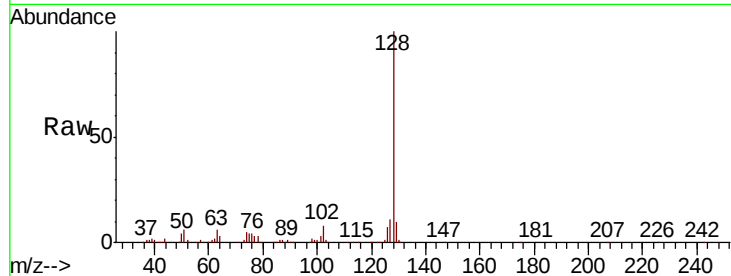
#95
Naphthalene
Concen: 21.022 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.01 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Instrument :
MSVOA_F
ClientSampleId :
VF0731SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	148135		
127	11.3		10.0	15.0
129	10.0		8.6	13.0

Manual Integrations
APPROVED

apatel
8/1/2018 2:08:29 PM

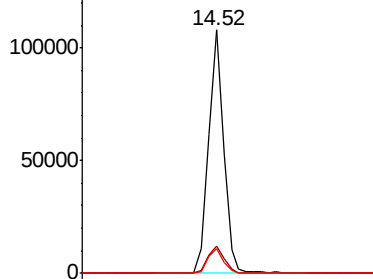


Abundance

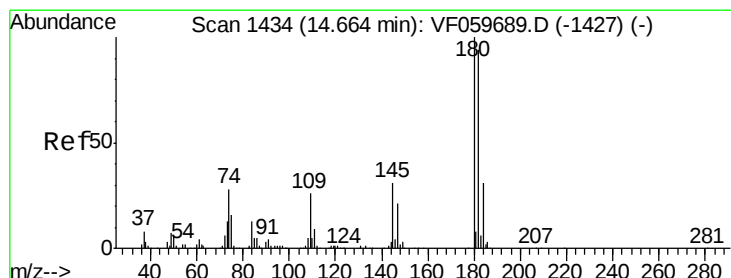
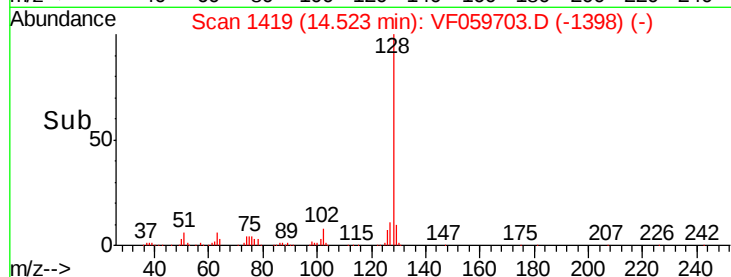
Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

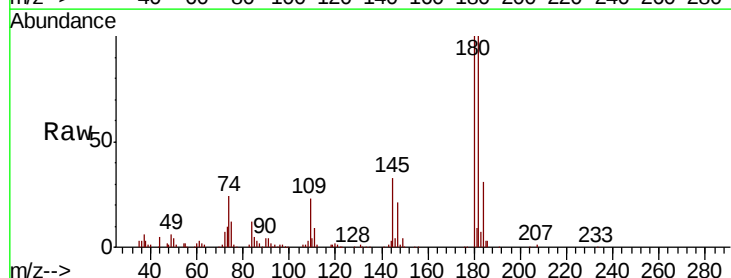


Time-->



#96
1,2,3-Trichlorobenzene
Concen: 20.657 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VF059703.D
Acq: 31 Jul 2018 12:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	80458		
182	100.0		47.2	141.6
145	32.9		15.6	46.7

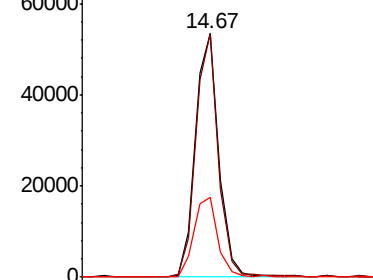


Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



Time-->

