

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059687.D
 Acq On : 30 Jul 2018 14:34
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 82 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
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 7/31/2018 12:12:35 PM

Quant Time: Jul 31 04:02:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	223464	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	322011	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	310767	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	202479	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	42149	12.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	24.02%	
35) Dibromofluoromethane	4.29	113	33412	10.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.68%	
50) Toluene-d8	7.71	98	79423	10.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.32%	
62) 4-Bromofluorobenzene	11.50	95	45269	11.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.46%	

Target Compounds

						Qvalue
4) Vinyl Chloride	1.15	62	5729	4.15	ug/l	97
5) Bromomethane	1.33	94	8755	7.28	ug/l #	68
6) Chloroethane	1.43	64	6231	7.23	ug/l	98
7) Trichlorofluoromethane	1.53	101	31686m	7.63	ug/l	
8) Diethyl Ether	1.69	74	6982	11.87	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	1.89	101	22227	10.07	ug/l	90
10) Methyl Iodide	1.96	142	31120	9.63	ug/l	99
11) Tert butyl alcohol	2.66	59	9732	64.59	ug/l #	87
12) 1,1-Dichloroethene	1.85	96	15522	9.50	ug/l	82
13) Acrolein	2.08	56	3157m	47.34	ug/l	
14) Allyl chloride	2.19	41	27976	10.47	ug/l #	94
15) Acrylonitrile	3.05	53	15338	66.78	ug/l #	76
16) Acetone	2.32	43	43352	67.79	ug/l	97
17) Carbon Disulfide	1.88	76	31081m	7.83	ug/l	
18) Methyl Acetate	2.44	43	11621	10.86	ug/l	98
19) Methyl tert-butyl Ether	2.53	73	55711	12.20	ug/l	100
20) Methylene Chloride	2.27	84	29329m	12.45	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	18277	10.91	ug/l	89
22) Diisopropyl ether	2.91	45	61984	11.61	ug/l	99
23) Vinyl Acetate	3.32	43	172473	65.14	ug/l	99
24) 1,1-Dichloroethane	2.99	63	43530	11.46	ug/l	99
25) 2-Butanone	4.50	43	45190	64.13	ug/l #	89
26) 2,2-Dichloropropane	3.75	77	30692	9.93	ug/l	99
27) cis-1,2-Dichloroethene	3.62	96	19972	10.16	ug/l	80
28) Bromochloromethane	3.87	49	18451	13.18	ug/l	96
29) Tetrahydrofuran	4.25	42	19037	67.31	ug/l	96
30) Chloroform	4.02	83	62714	11.68	ug/l	96
31) Cyclohexane	3.86	56	23183	10.62	ug/l	99
32) 1,1,1-Trichloroethane	4.27	97	48495	11.01	ug/l	93
36) 1,1-Dichloropropene	4.45	75	35838	10.26	ug/l	93
37) Ethyl Acetate	4.28	43	23113	15.17	ug/l #	73
38) Carbon Tetrachloride	4.17	117	55161	10.76	ug/l #	92
39) Methylcyclohexane	5.62	83	30271	10.65	ug/l	92
40) Benzene	4.80	78	69853	11.26	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.92	41	10881	14.50	ug/l	88
42) 1,2-Dichloroethane	5.10	62	48834	12.10	ug/l	97
43) Isopropyl Acetate	7.10	43	21444	13.59	ug/l #	96
44) Trichloroethene	5.67	130	28554	11.88	ug/l	90
45) 1,2-Dichloropropane	6.39	63	18793	11.40	ug/l	90
46) Dibromomethane	6.25	93	16628	11.61	ug/l #	85
47) Bromodichloromethane	6.54	83	48893	11.66	ug/l #	96
48) Methyl methacrylate	6.87	41	14959	12.08	ug/l #	89
49) 1,4-Dioxane	6.86	88	2250	227.72	ug/l #	80
51) 4-Methyl-2-Pentanone	8.40	43	82305	64.83	ug/l	98
52) Toluene	7.77	92	55115	11.96	ug/l	90
53) t-1,3-Dichloropropene	8.42	75	40627	12.11	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	41049	11.79	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	18595	12.15	ug/l	92
56) Ethyl methacrylate	8.75	69	20940	12.91	ug/l	96
57) 1,3-Dichloropropane	9.00	76	33769	12.76	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.77	63	11824	60.36	ug/l	100
59) 2-Hexanone	9.63	43	65319	69.36	ug/l	96
60) Dibromochloromethane	8.86	129	34277	12.41	ug/l	97
61) 1,2-Dibromoethane	9.13	107	22533	12.18	ug/l	84
64) Tetrachloroethene	8.30	164	26726	10.79	ug/l	95
65) Chlorobenzene	9.93	112	70340	11.65	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	31782	11.44	ug/l	94
67) Ethyl Benzene	10.03	91	118870	10.86	ug/l	100
68) m/p-Xylenes	10.26	106	86846	22.92	ug/l	97
69) o-Xylene	10.82	106	46565	11.38	ug/l	100
70) Styrene	10.90	104	70777	11.89	ug/l	96
71) Bromoform	10.88	173	21907	12.78	ug/l	98
73) Isopropylbenzene	11.22	105	153447	11.10	ug/l	98
74) N-amyl acetate	11.46	43	33080	11.68	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.79	83	28565	12.59	ug/l	92
76) 1,2,3-Trichloropropane	11.89	75	23875	12.81	ug/l	95
77) Bromobenzene	11.59	156	39459	11.76	ug/l	93
78) n-propylbenzene	11.69	91	174261	10.94	ug/l	100
79) 2-Chlorotoluene	11.81	91	106903	11.03	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	135572	11.18	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	10087m	10.42	ug/l	
82) 4-Chlorotoluene	11.98	91	118114	11.57	ug/l	99
83) tert-Butylbenzene	12.21	119	135962	11.09	ug/l	100
84) 1,2,4-Trimethylbenzene	12.28	105	143944	11.55	ug/l	99
85) sec-Butylbenzene	12.39	105	181204	11.23	ug/l	98
86) p-Isopropyltoluene	12.54	119	148157	10.68	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	76745	11.73	ug/l	93
88) 1,4-Dichlorobenzene	12.64	146	72274	11.60	ug/l	98
89) n-Butylbenzene	12.92	91	146687	10.94	ug/l	96
90) Hexachloroethane	12.99	117	39594	11.21	ug/l	98
91) 1,2-Dichlorobenzene	13.02	146	72374	11.90	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.71	75	7510	13.61	ug/l	86
93) 1,2,4-Trichlorobenzene	14.26	180	57180	11.73	ug/l	97
94) Hexachlorobutadiene	14.25	225	40316	11.24	ug/l	98

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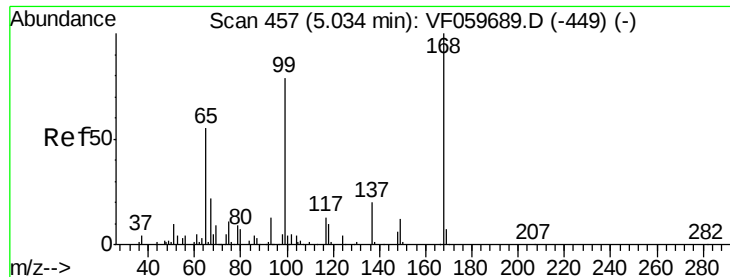
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	14.52	128	92148	11.86	ug/l	99
96) 1,2,3-Trichlorobenzene	14.66	180	53105	11.99	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

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Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 223464

Ion Ratio Lower Upper

168 100

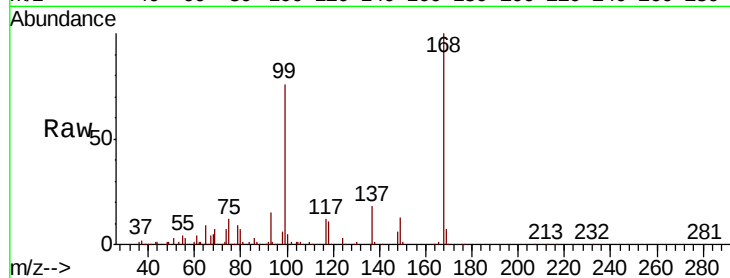
99 76.3 63.3 94.9

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

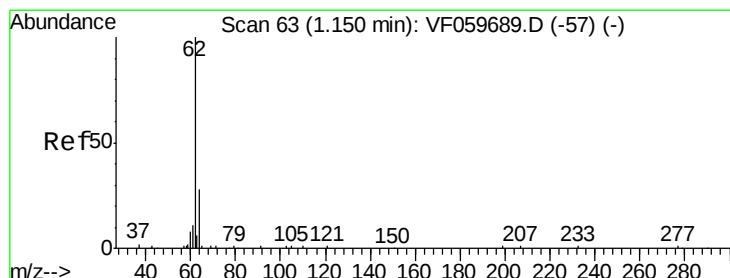
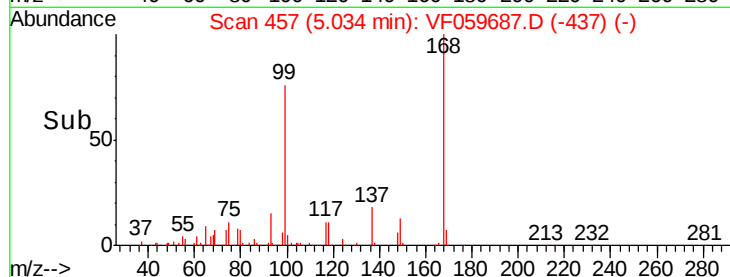
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 4.15 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059687.D

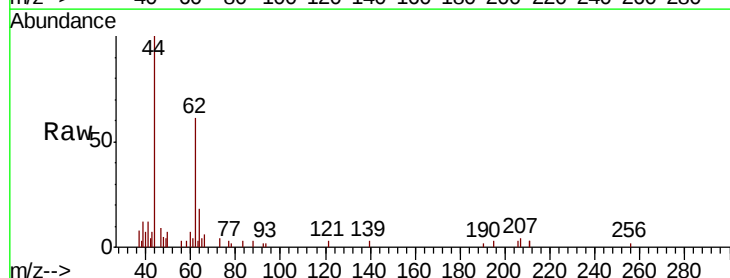
Acq: 30 Jul 2018 14:34

Tgt Ion: 62 Resp: 5729

Ion Ratio Lower Upper

62 100

64 29.8 22.6 33.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0

1.15

3000

2500

2000

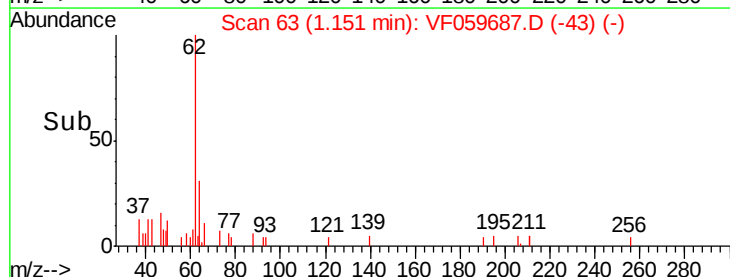
1500

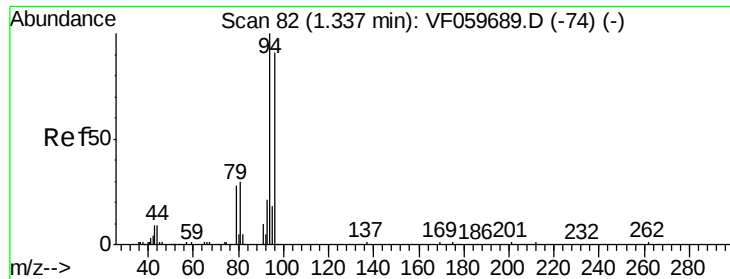
1000

500

0

Time-->





#5

Bromomethane

Concen: 7.28 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

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ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 8755

Ion Ratio Lower Upper

94 100

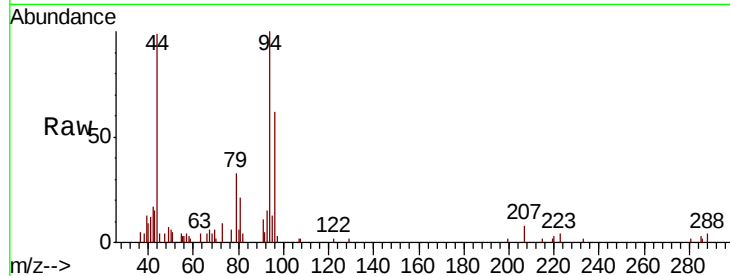
96 61.7 73.6 110.4#

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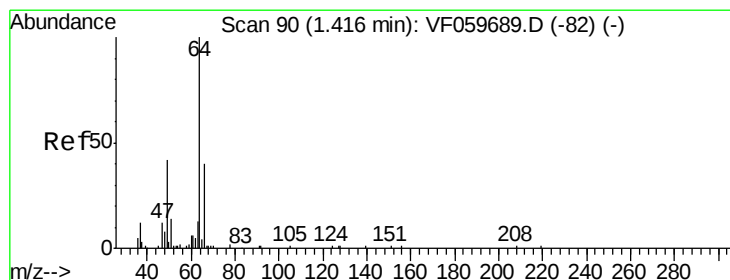
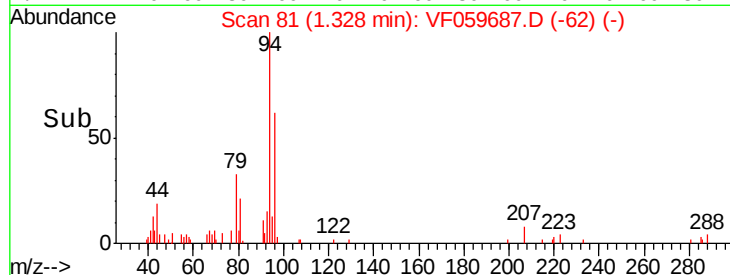
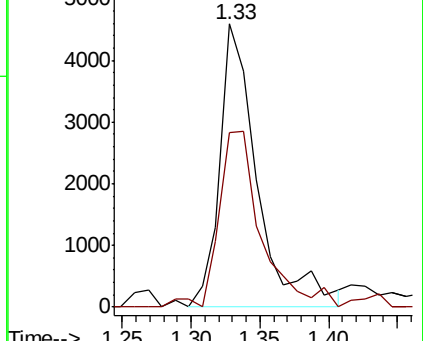
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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 7.23 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VF059687.D

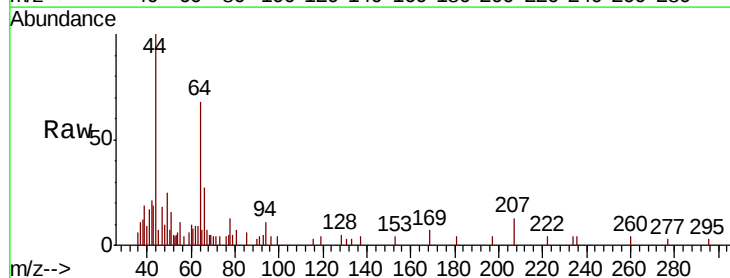
Acq: 30 Jul 2018 14:34

Tgt Ion: 64 Resp: 6231

Ion Ratio Lower Upper

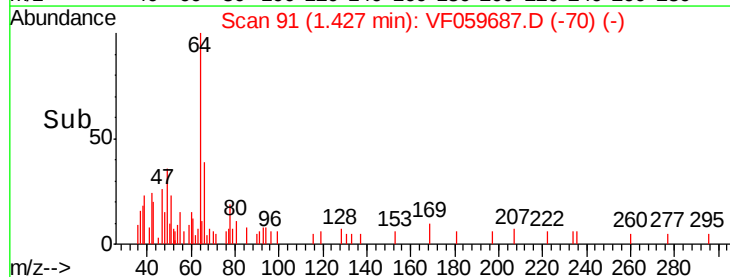
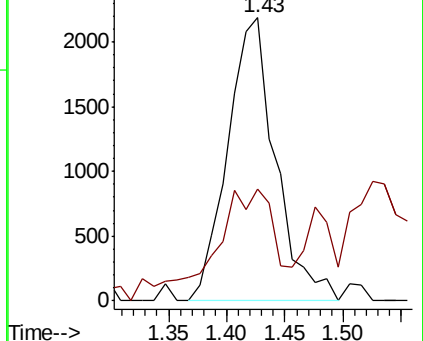
64 100

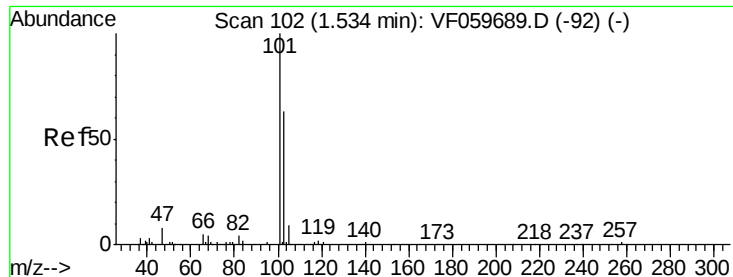
66 39.4 32.6 49.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

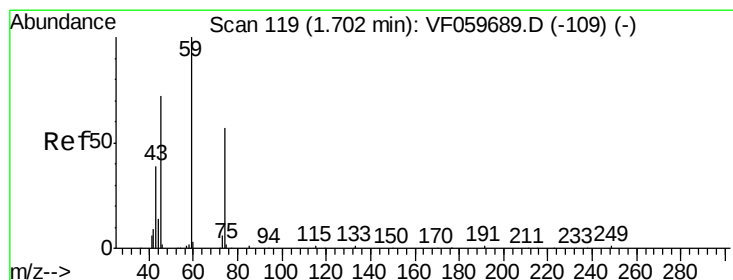
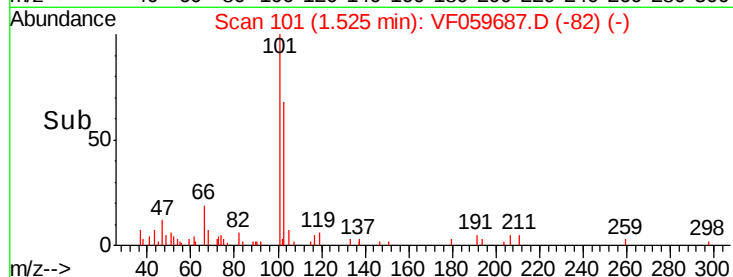
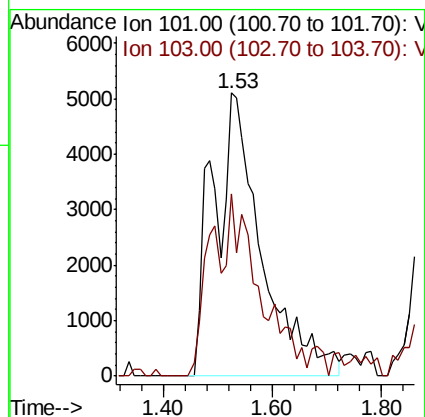
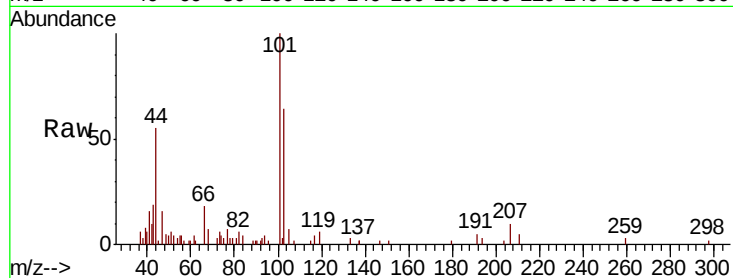
Trichlorofluoromethane
 Concen: 7.63 ug/l m
 RT: 1.53 min Scan# 101
 Delta R.T. -0.01 min
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	50.8	76.2

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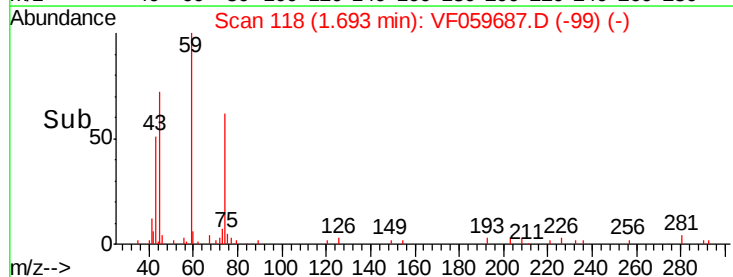
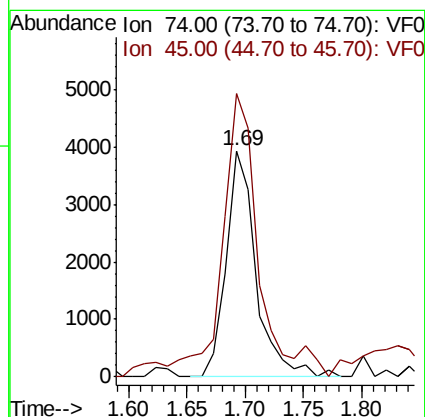
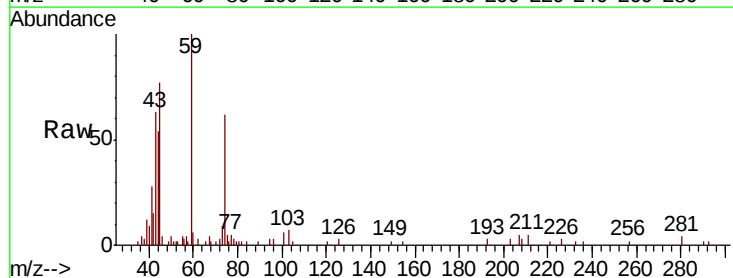
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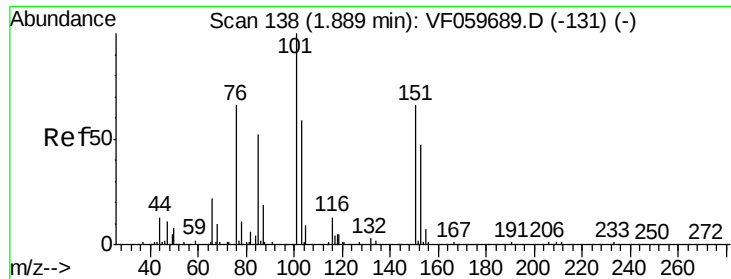


#8

Diethyl Ether
 Concen: 11.87 ug/l
 RT: 1.69 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	125.2	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.07 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

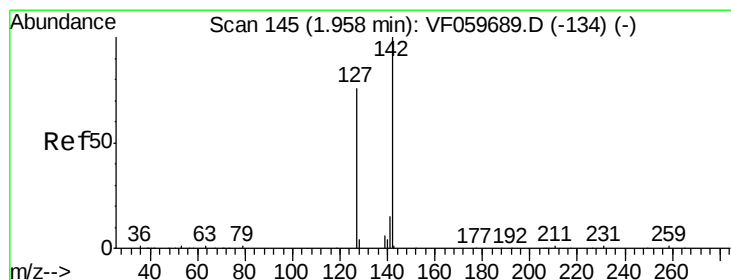
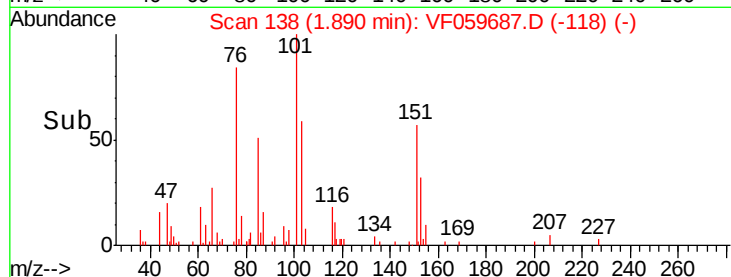
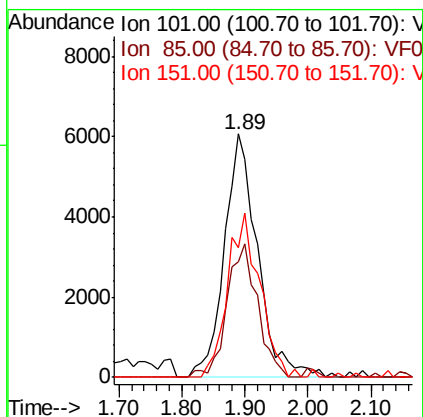
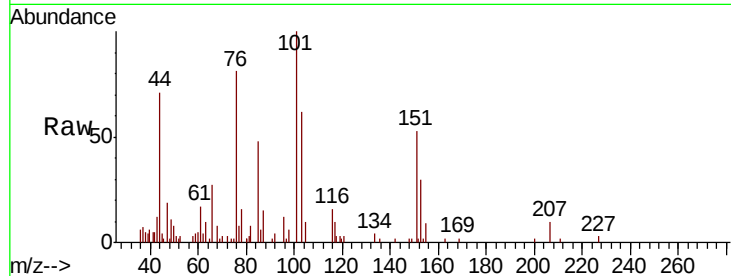
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	22227
Ion Ratio	Lower	Upper	
101	100		
85	47.7	40.7	61.1
151	53.1	51.4	77.2

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#10

Methyl Iodide

Concen: 9.63 ug/l

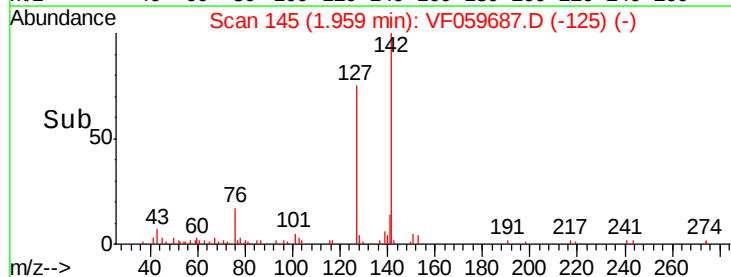
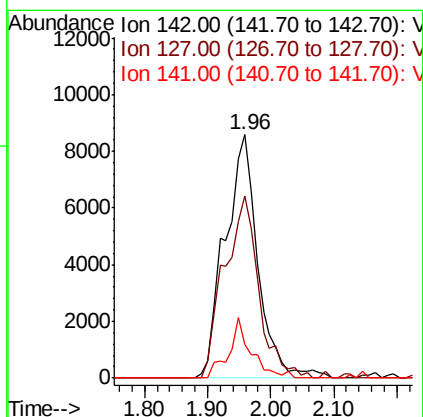
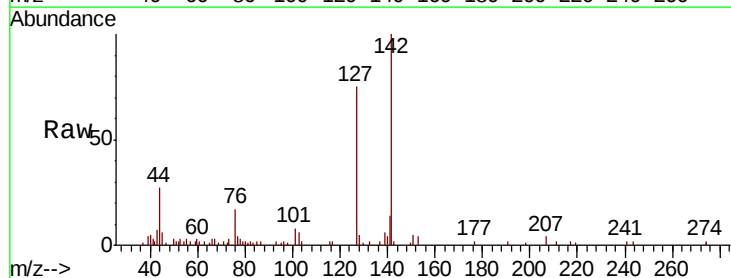
RT: 1.96 min Scan# 145

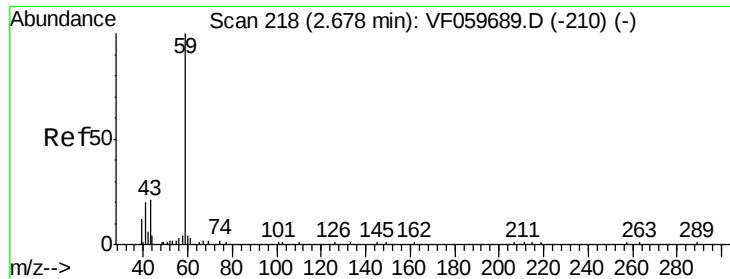
Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Tgt Ion:	142	Resp:	31120
Ion Ratio	Lower	Upper	
142	100		
127	75.0	60.6	91.0
141	13.9	12.0	18.0





#11

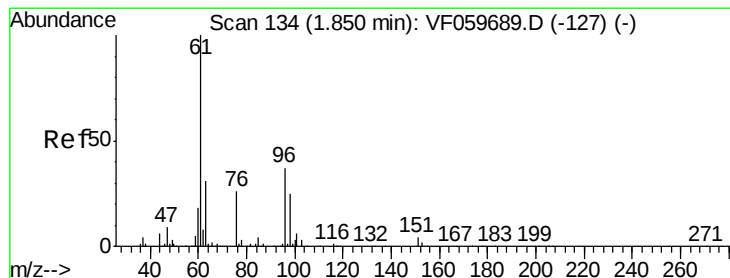
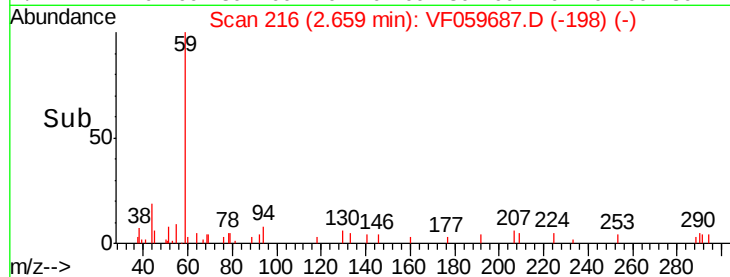
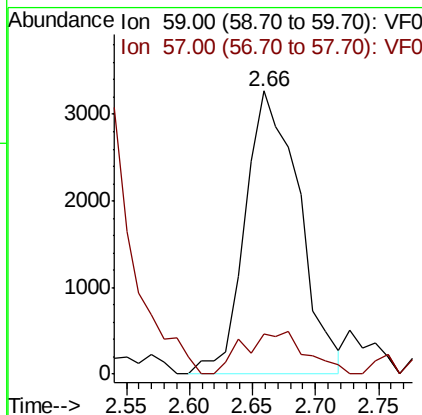
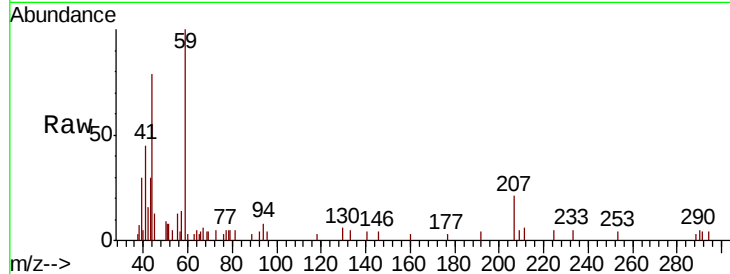
Tert butyl alcohol
 Concen: 64.59 ug/l
 RT: 2.66 min Scan# 216
 Delta R.T. -0.02 min
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Tot Ion	59.00 (58.70 to 59.70): VF0	Resp	9732
Ion Ratio	Lower	Upper	
59	100		
57	14.3	7.6	11.4#

Manual Integrations
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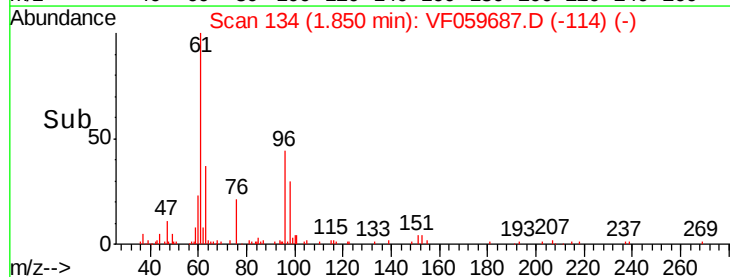
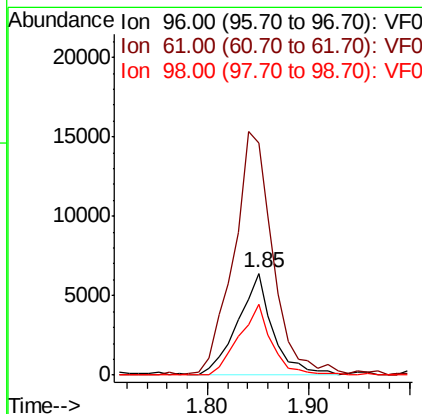
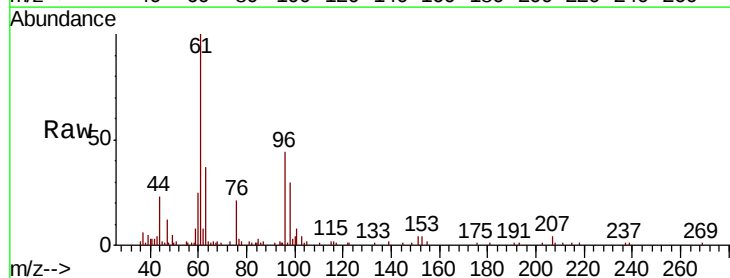
apatel
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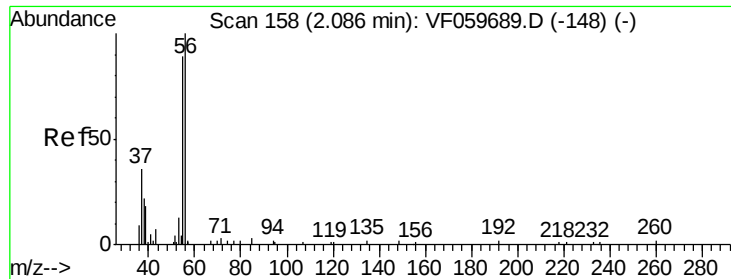


#12

1,1-Dichloroethene
 Concen: 9.50 ug/l
 RT: 1.85 min Scan# 134
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Tgt Ion	96.00 (95.70 to 96.70): VF0	Resp	15522
Ion Ratio	Lower	Upper	
96	100		
61	228.2	215.1	322.7
98	69.0	54.3	81.5





#13

Acrolein

Concen: 47.34 ug/l m

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 3157

Ion Ratio Lower Upper

56 100

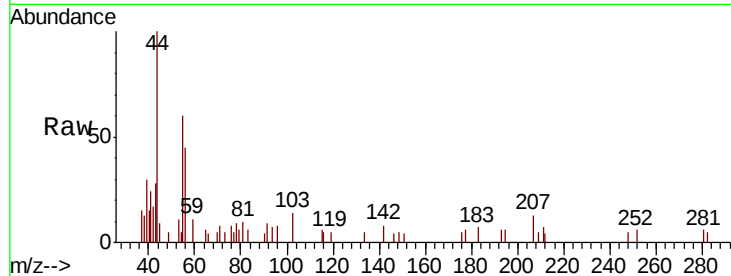
55 132.9 73.2 109.8#

Manual Integrations

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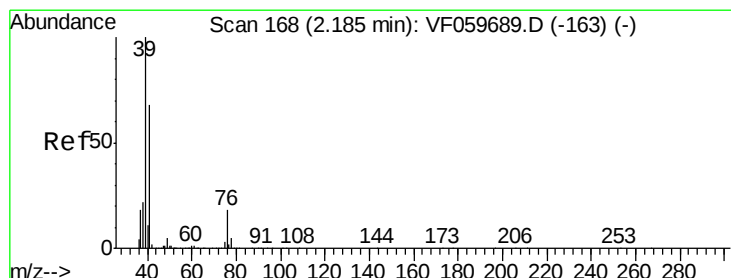
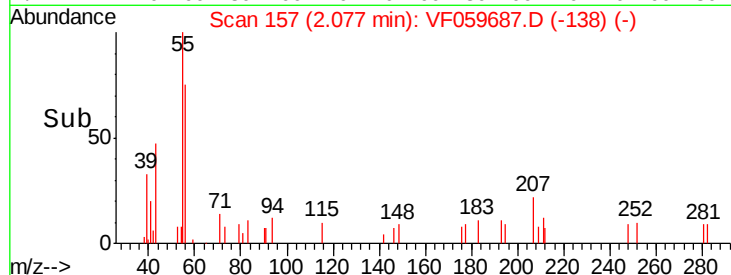
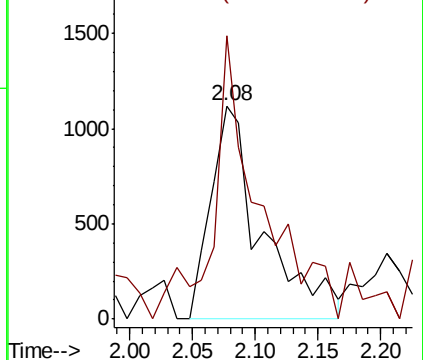
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 10.47 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

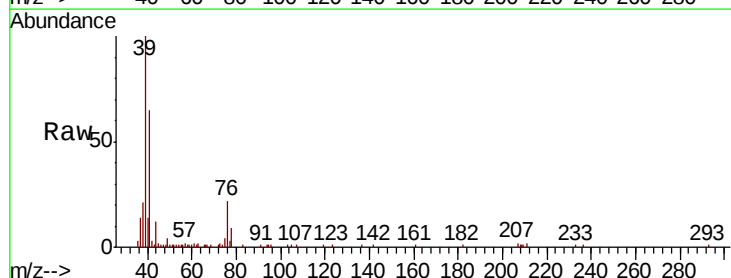
Tgt Ion: 41 Resp: 27976

Ion Ratio Lower Upper

41 100

39 154.4 118.1 177.1

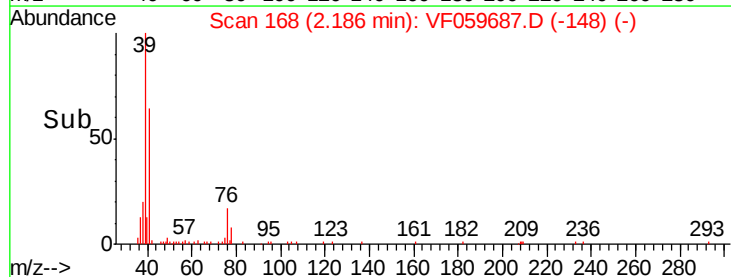
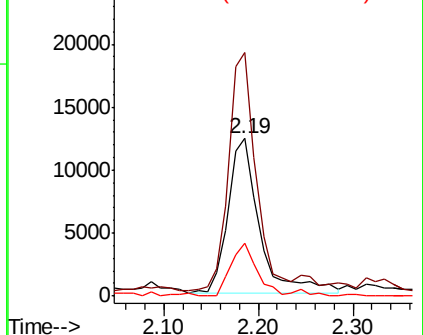
76 33.7 22.0 33.0#

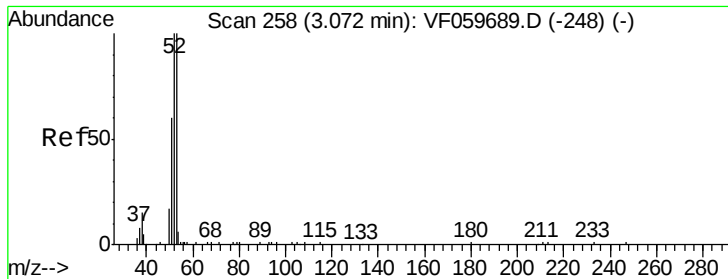


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 66.78 ug/l

RT: 3.05 min Scan# 256

Delta R.T. -0.02 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

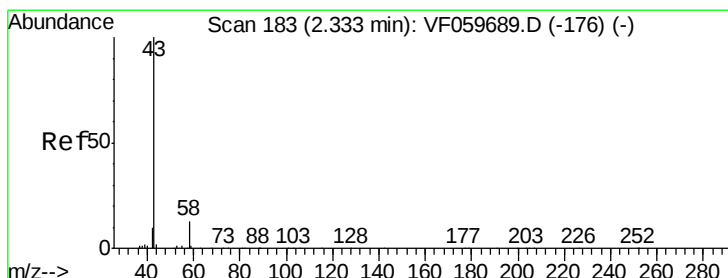
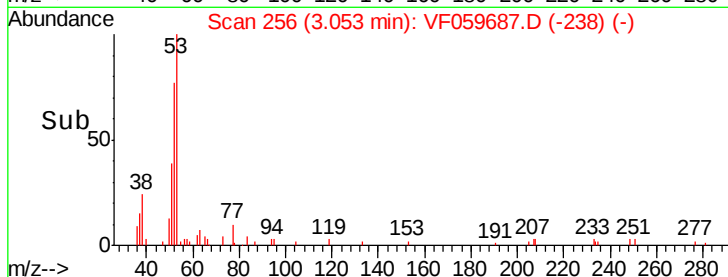
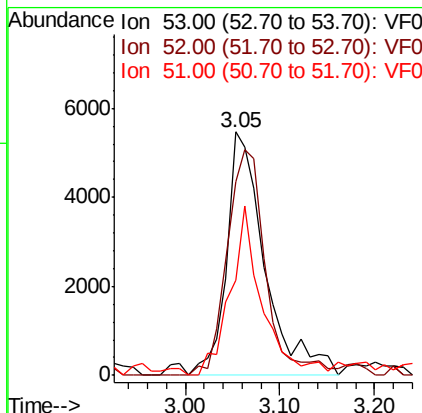
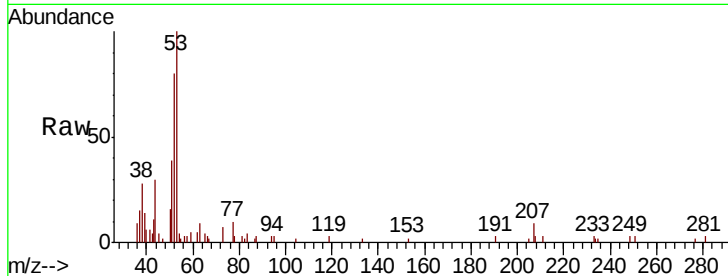
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	15338
Ion	Ratio	Lower	Upper
53	100		
52	79.5	80.3	120.5#
51	38.8	49.4	74.0#

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#16

Acetone

Concen: 67.79 ug/l

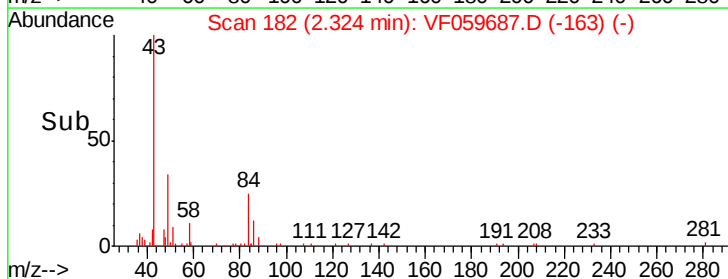
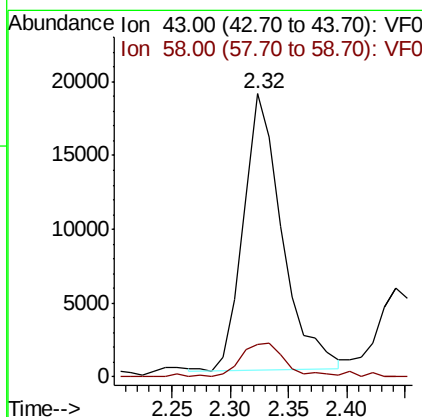
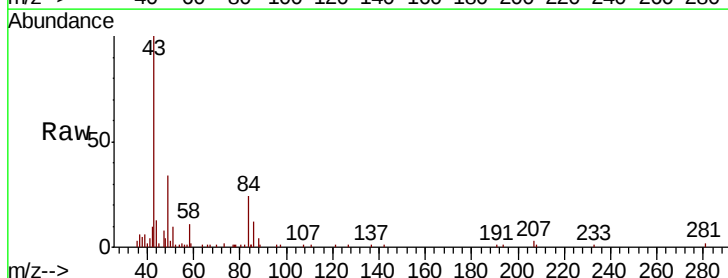
RT: 2.32 min Scan# 182

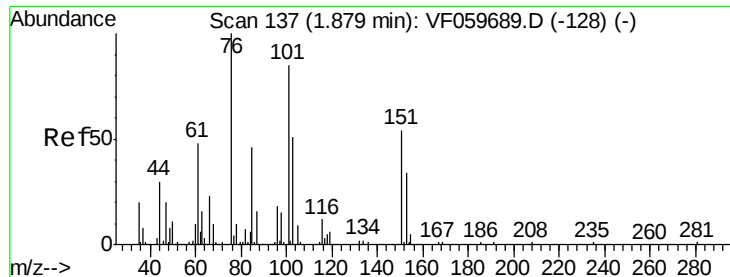
Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Tgt Ion:	43	Resp:	43352
Ion	Ratio	Lower	Upper
43	100		
58	11.5	10.1	15.1





#17

Carbon Disulfide

Concen: 7.83 ug/l m

RT: 1.88 min Scan# 137

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 31081

Ion Ratio Lower Upper

76 100

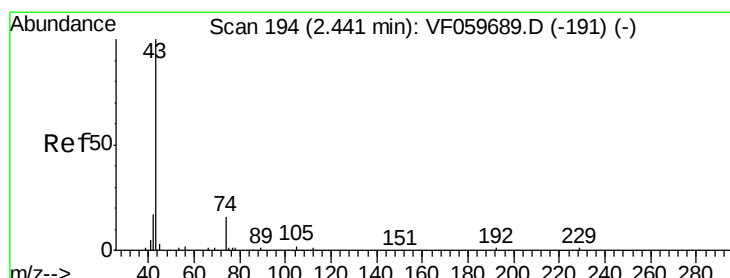
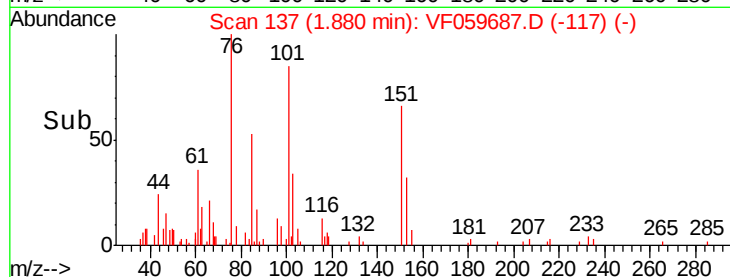
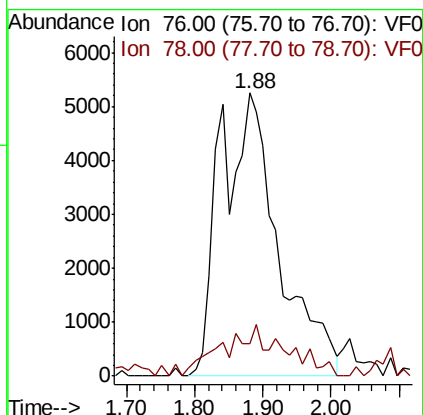
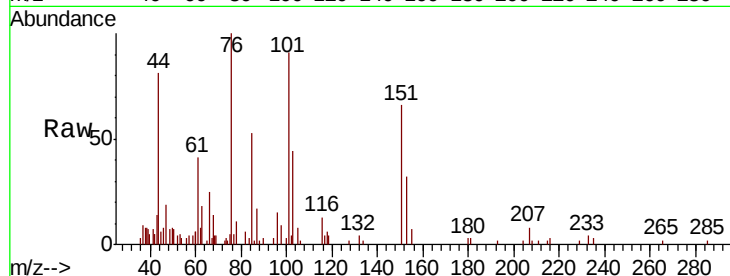
78 11.4 8.9 13.3

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#18

Methyl Acetate

Concen: 10.86 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.00 min

Lab File: VF059687.D

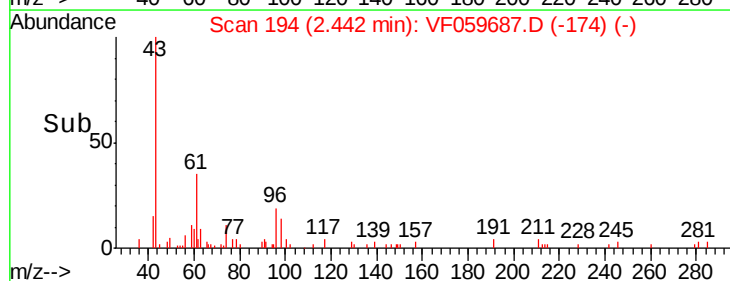
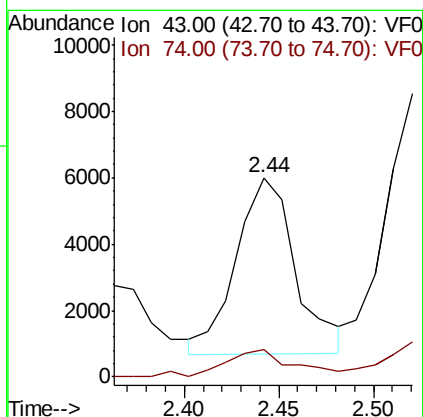
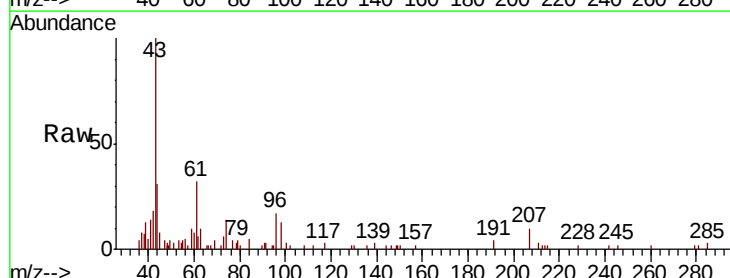
Acq: 30 Jul 2018 14:34

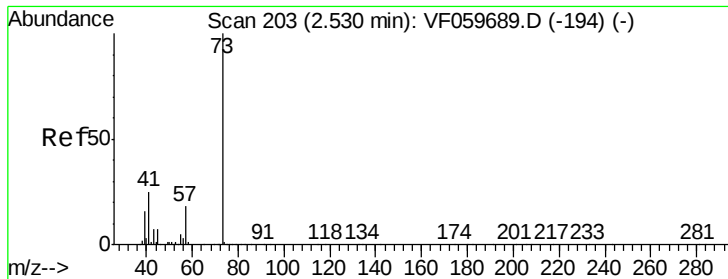
Tgt Ion: 43 Resp: 11621

Ion Ratio Lower Upper

43 100

74 13.7 11.8 17.6





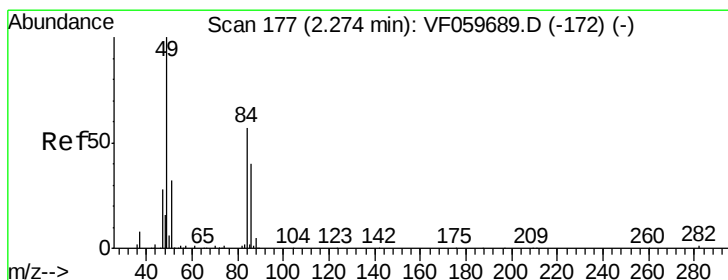
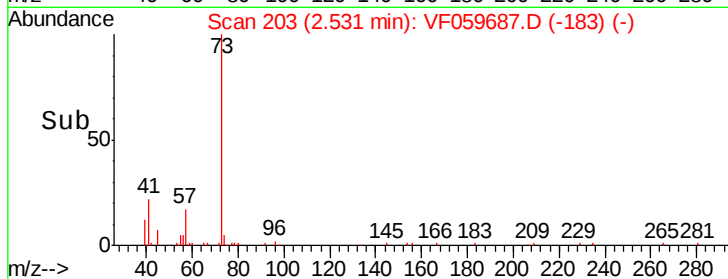
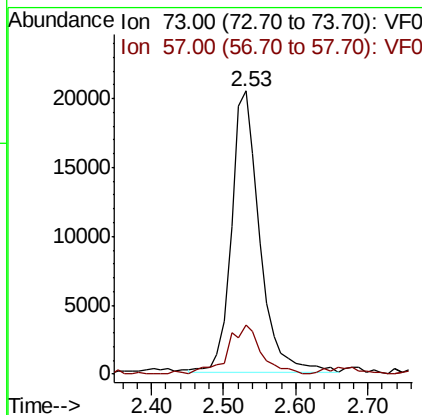
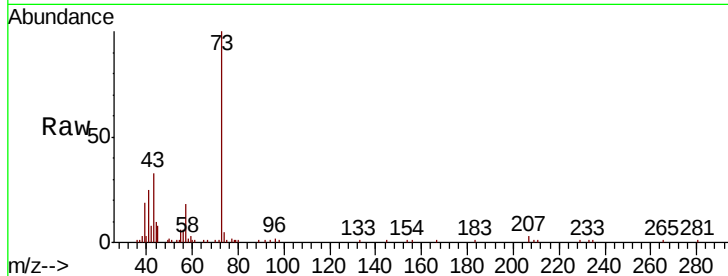
#19
Methvl tert-butvl Ether
Concen: 12.20 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.5	14.2	21.2

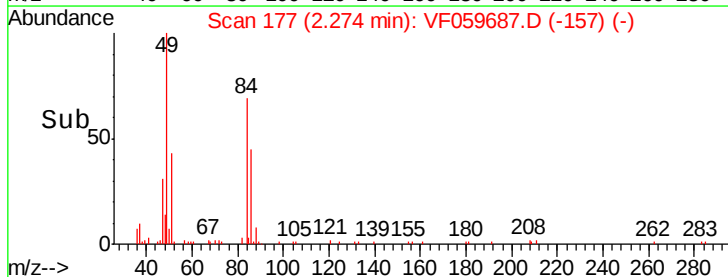
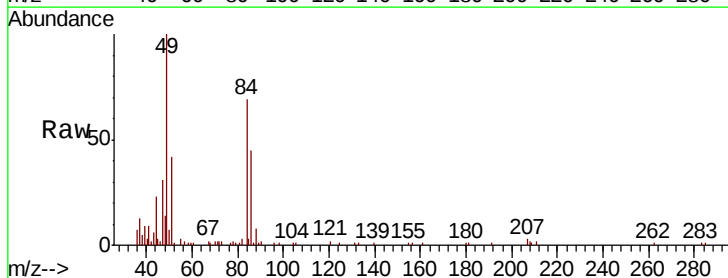
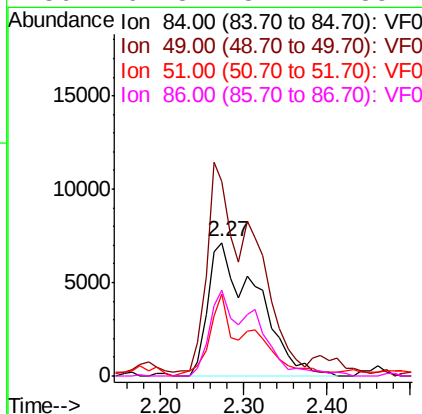
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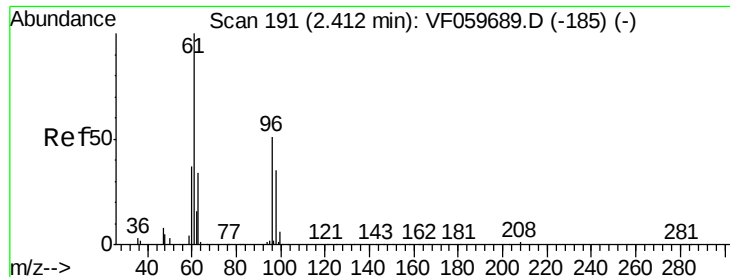
apatel
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#20
Methylene Chloride
Concen: 12.45 ug/l m
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.5	142.2	213.4
51	61.5	46.2	69.2
86	64.8	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 10.91 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

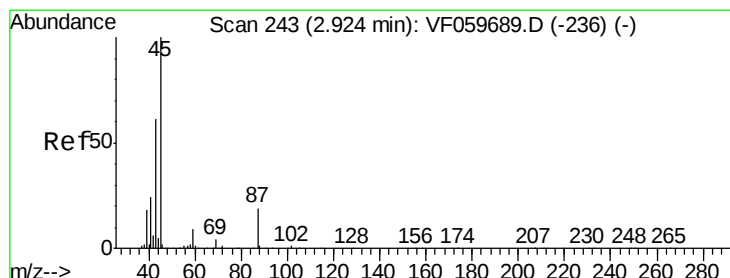
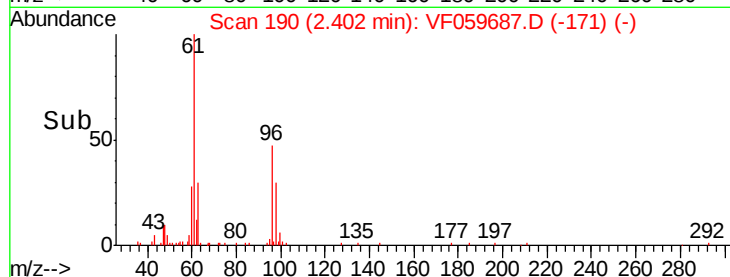
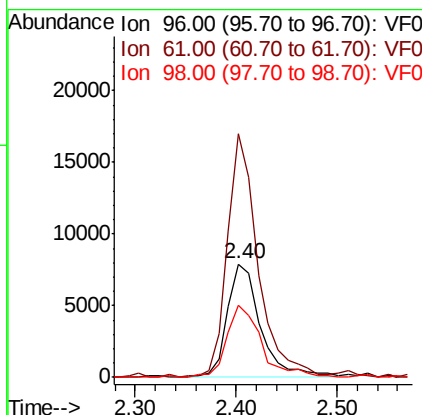
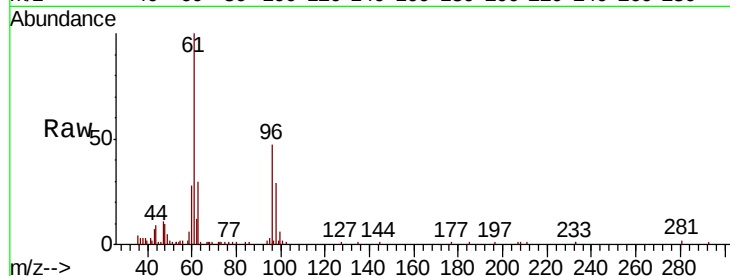
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	18277
Ion	Ratio	Lower	Upper
96	100		
61	214.4	157.4	236.0
98	63.2	55.0	82.4

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#22

Diisopropyl ether

Concen: 11.61 ug/l

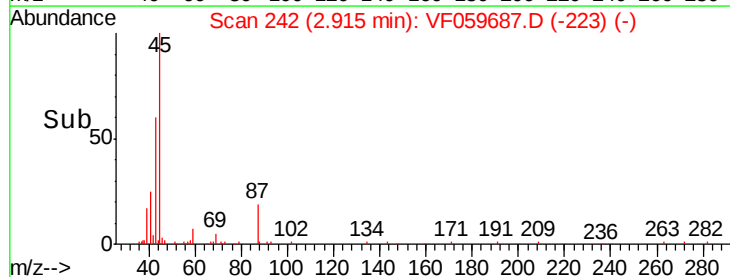
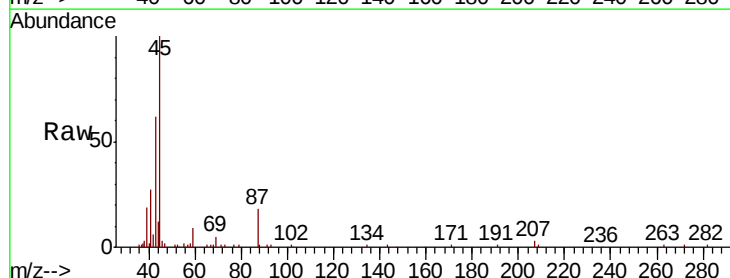
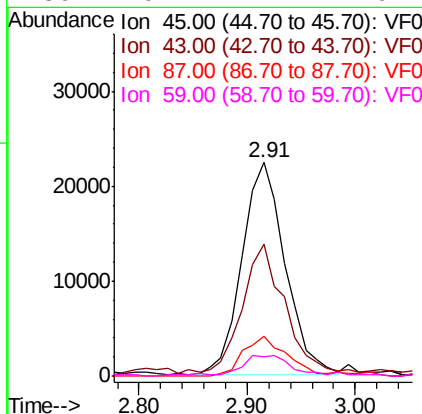
RT: 2.91 min Scan# 242

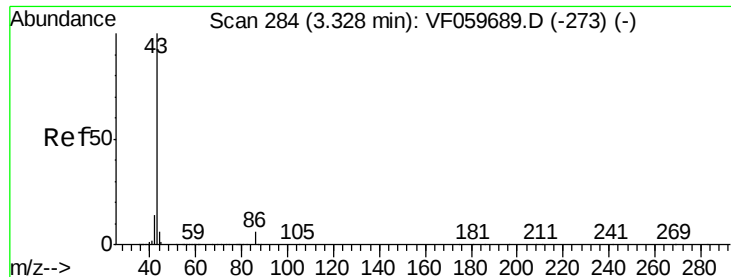
Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Tgt Ion:	45	Resp:	61984
Ion	Ratio	Lower	Upper
45	100		
43	61.9	49.3	73.9
87	18.5	15.3	22.9
59	9.2	7.1	10.7





#23

Vinyl Acetate

Concen: 65.14 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 172473

Ion Ratio Lower Upper

43 100

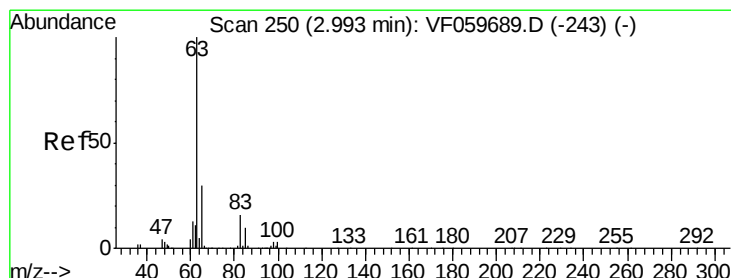
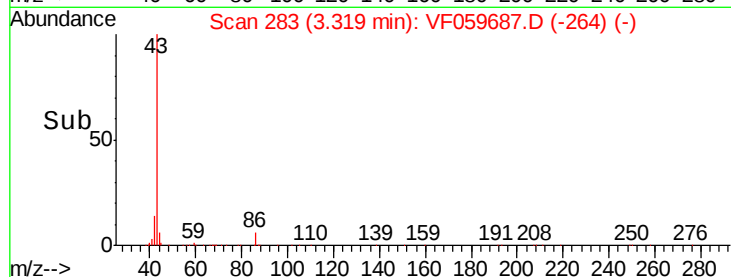
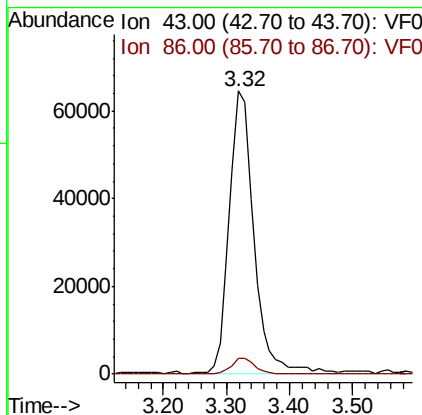
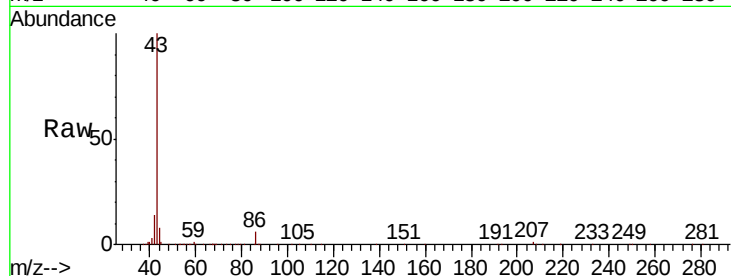
86 5.5 4.6 6.8

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#24

1,1-Dichloroethane

Concen: 11.46 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

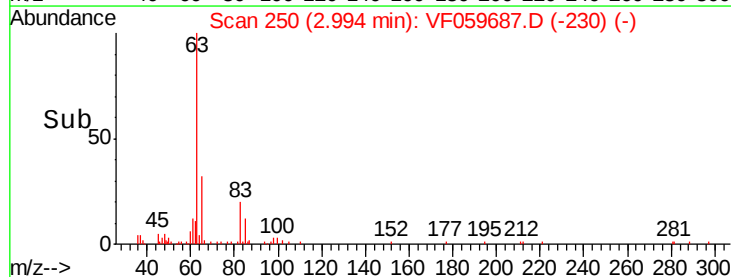
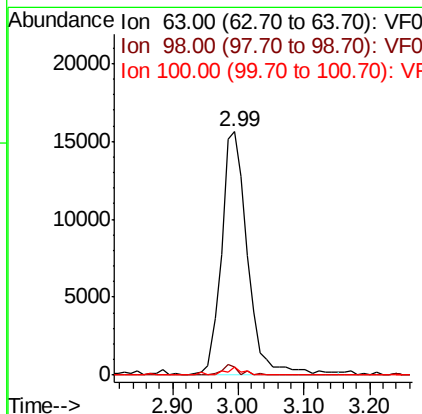
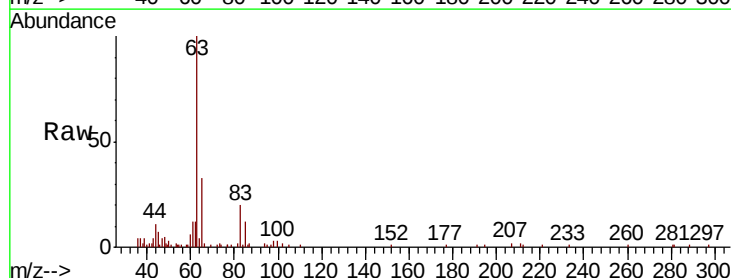
Tgt Ion: 63 Resp: 43530

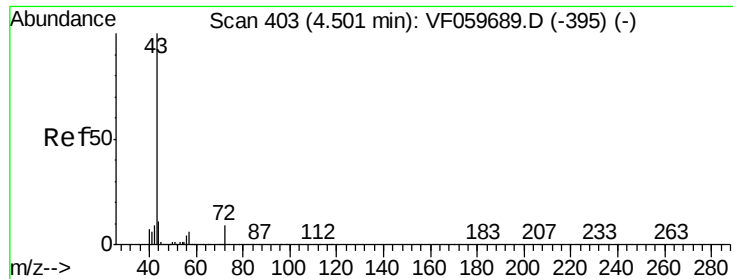
Ion Ratio Lower Upper

63 100

98 3.3 1.4 4.2

100 3.3 1.6 4.7





#25

2-Butanone

Concen: 64.13 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 45190

Ion Ratio Lower Upper

43 100

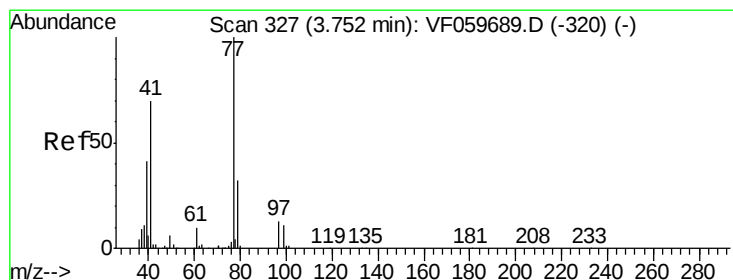
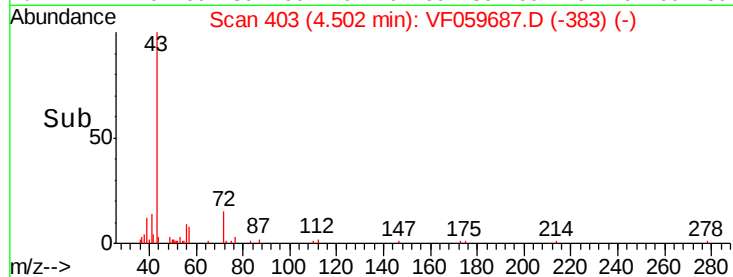
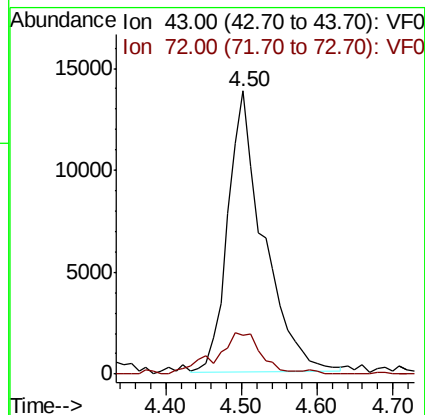
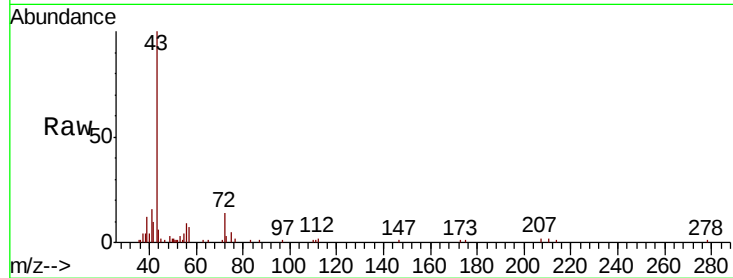
72 13.7 7.7 11.5#

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#26

2,2-Dichloropropane

Concen: 9.93 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059687.D

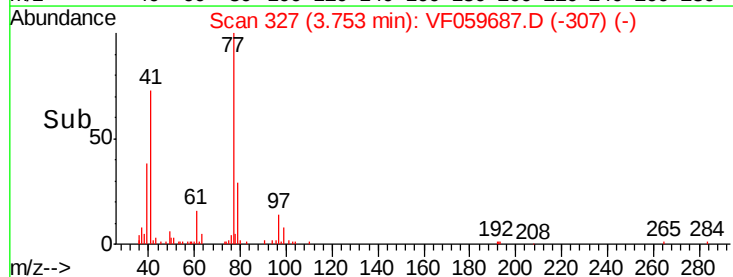
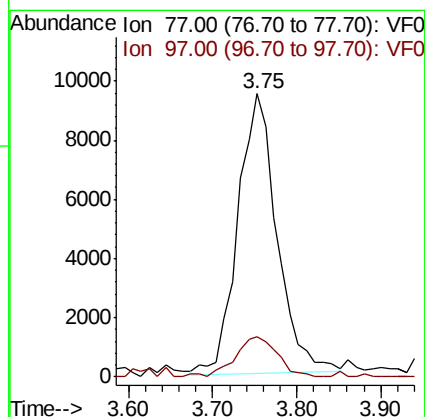
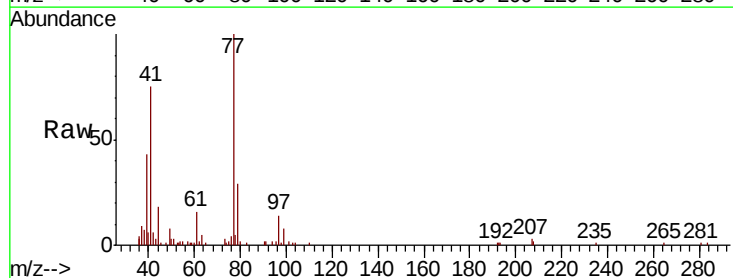
Acq: 30 Jul 2018 14:34

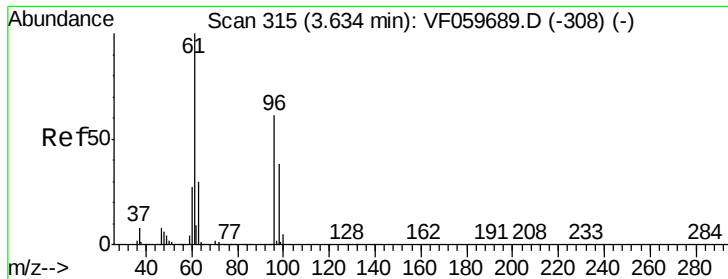
Tgt Ion: 77 Resp: 30692

Ion Ratio Lower Upper

77 100

97 14.0 6.8 20.4





#27

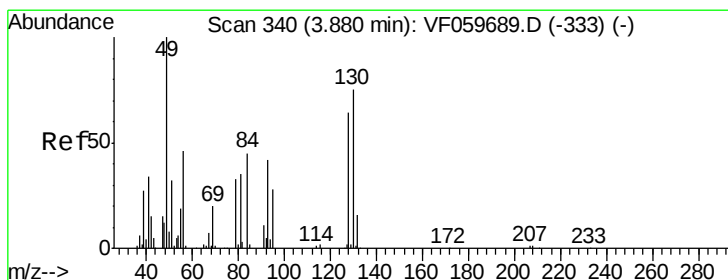
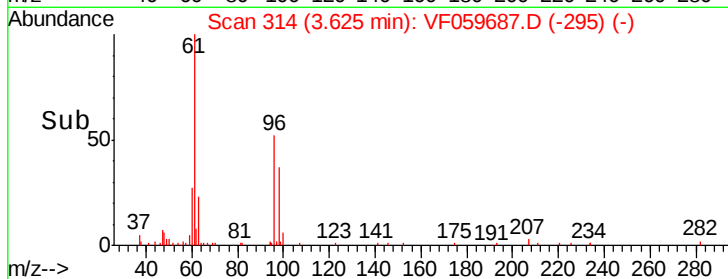
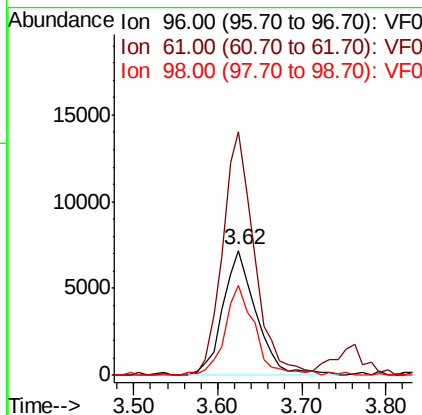
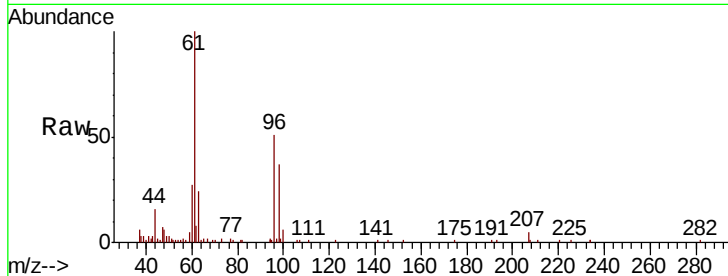
cis-1,2-Dichloroethene
Concen: 10.16 ug/l
RT: 3.62 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100	19972		
61	194.6		0.0	326.8
98	71.7		0.0	125.2

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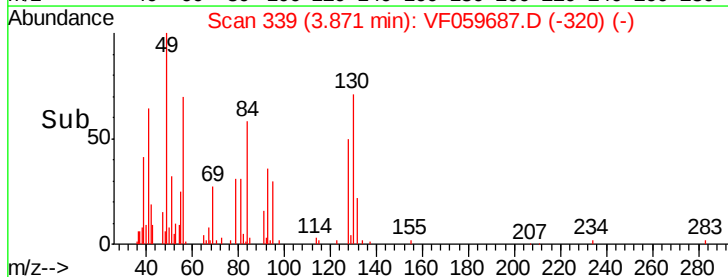
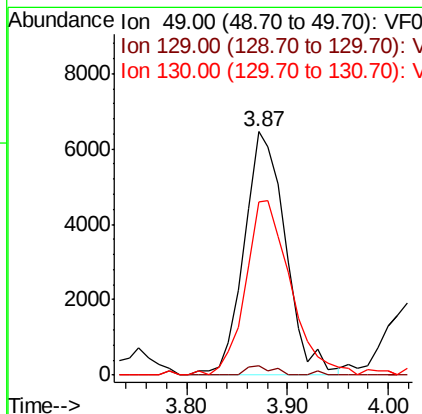
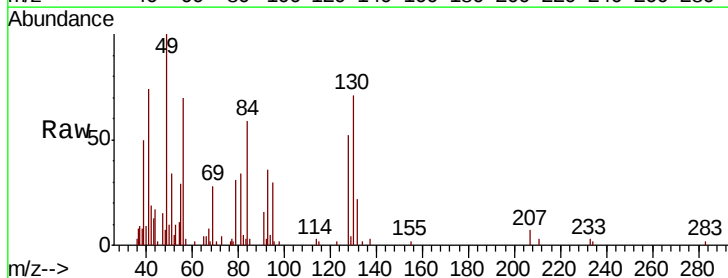
apatel
7/31/2018 12:12:35 PM

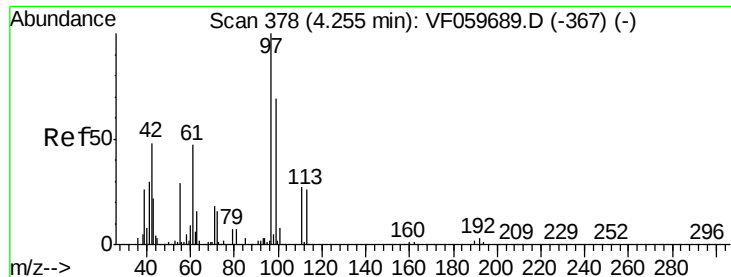


#28

Bromochloromethane
Concen: 13.18 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	18451		
129	3.7		0.0	4.8
130	71.1		59.6	89.4





#29

Tetrahydrofuran

Concen: 67.31 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

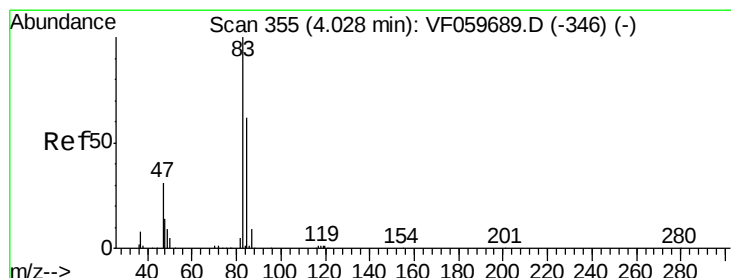
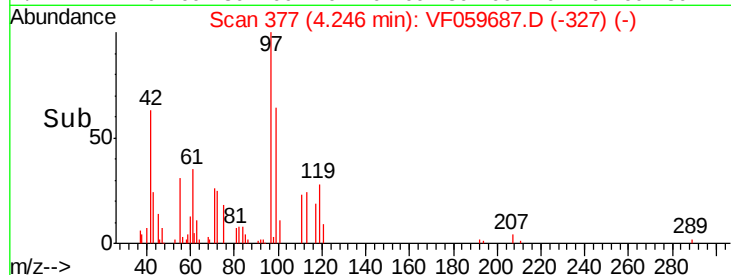
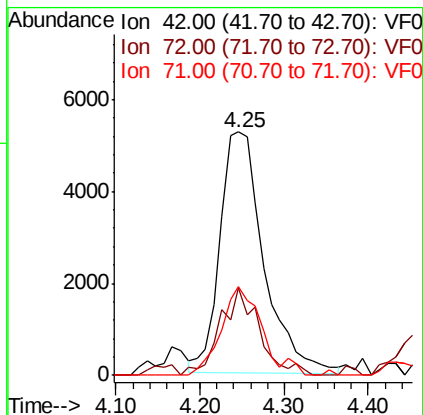
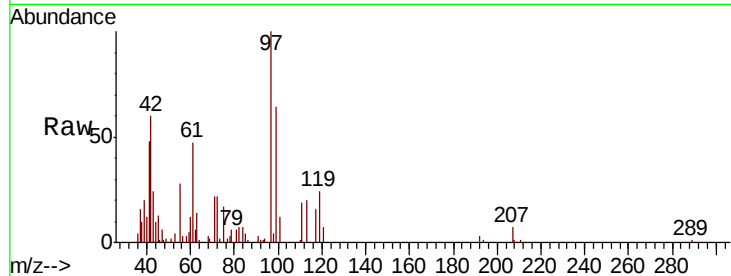
ClientSampleId :

VSTDIC010

Tot Ion:	42	Resp:	19037
Ion Ratio		Lower	Upper
42	100		
72	32.4	27.0	40.6
71	34.0	29.7	44.5

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#30

Chloroform

Concen: 11.68 ug/l

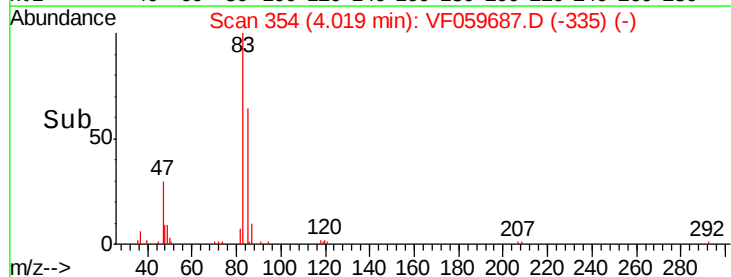
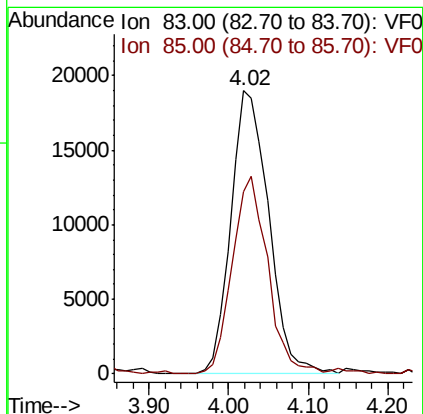
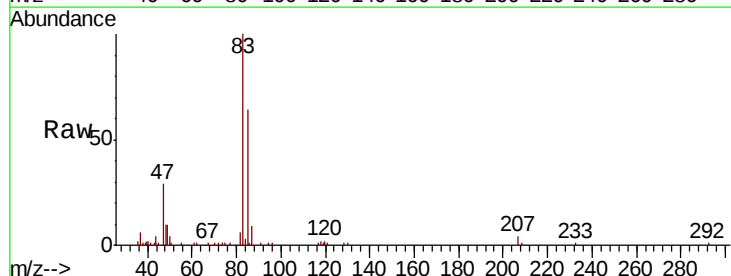
RT: 4.02 min Scan# 354

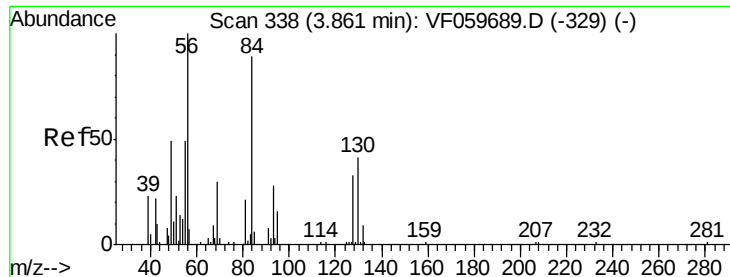
Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Tgt Ion:	83	Resp:	62714
Ion Ratio		Lower	Upper
83	100		
85	64.5	49.4	74.0





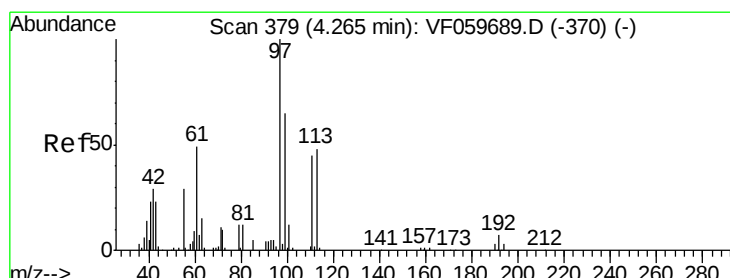
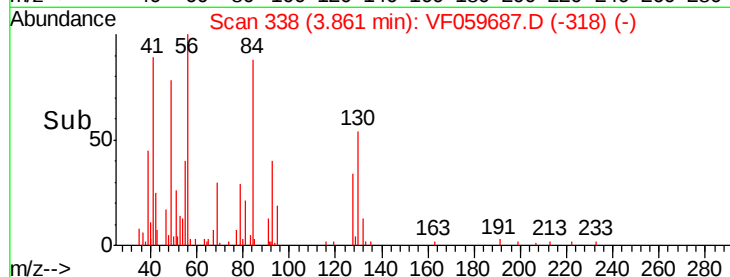
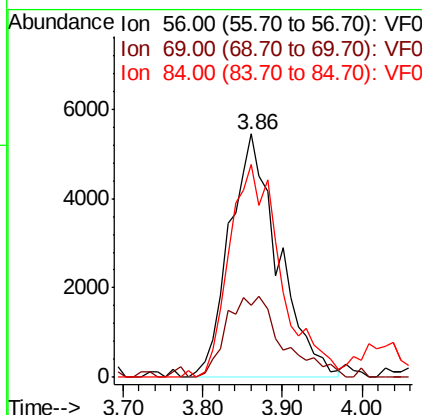
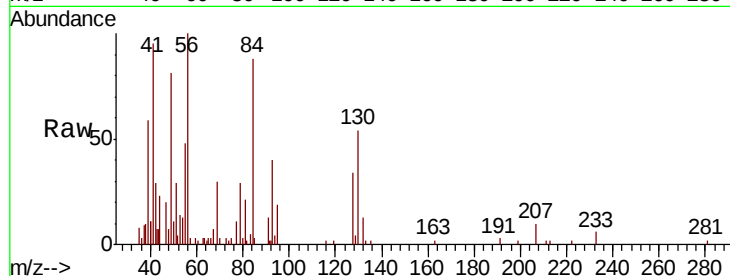
#31
Cyclohexane
Concen: 10.62 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.7	35.5
84	87.6	71.1	106.7

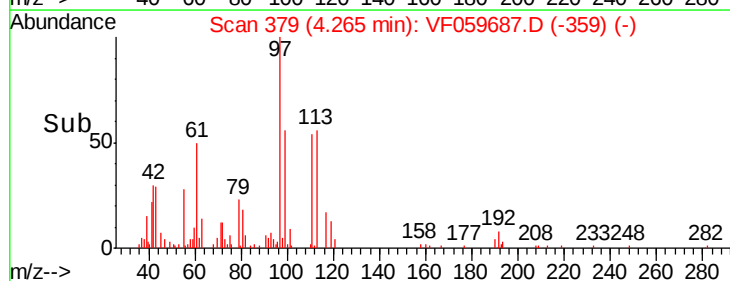
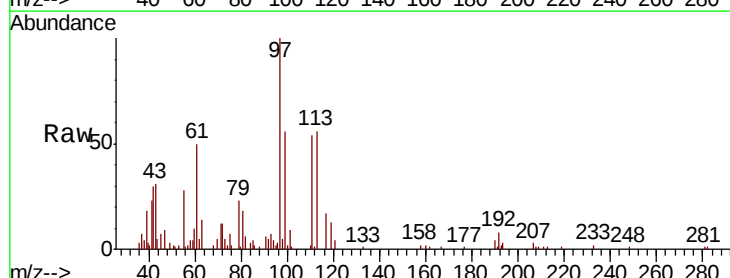
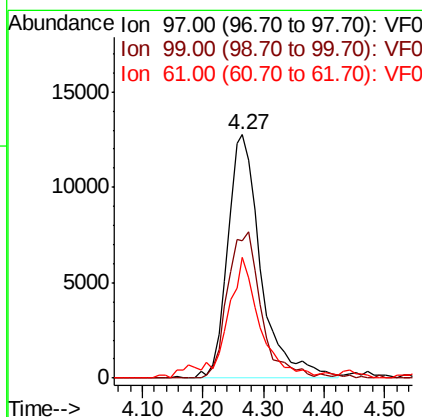
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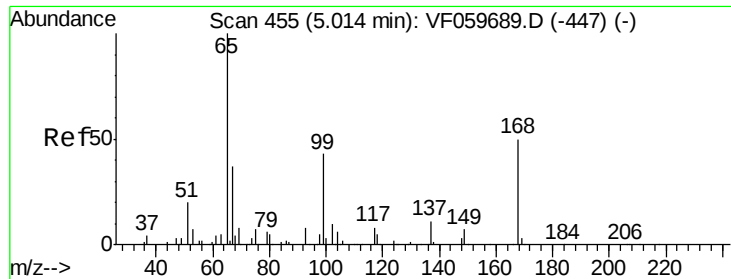
apatel
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#32
1,1,1-Trichloroethane
Concen: 11.01 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	56.5	52.4	78.6
61	49.8	39.7	59.5





#33

1,2-Dichloroethane-d4

Concen: 12.01 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Tot Ion: 65 Resp: 42149

Ion Ratio Lower Upper

65 100

67 39.4 0.0 84.6

Instrument :

MSVOA_F

ClientSampleId :

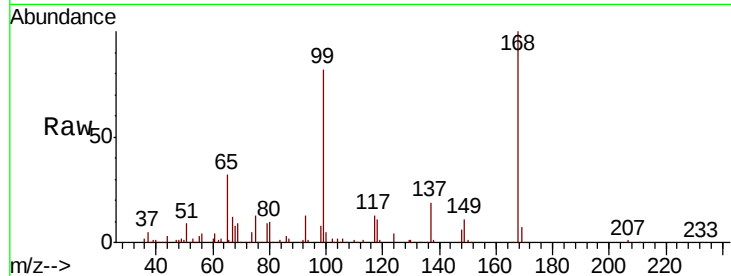
VSTDIC010

Manual Integrations

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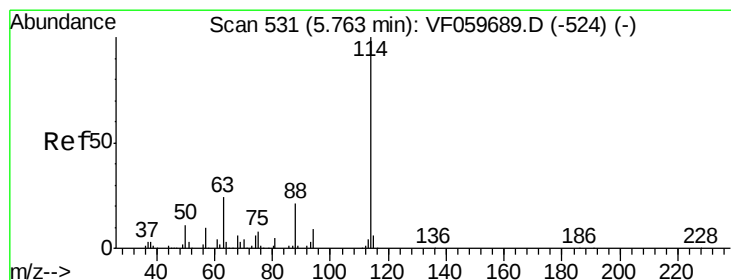
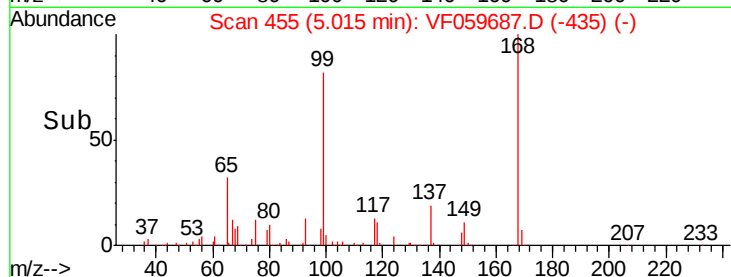
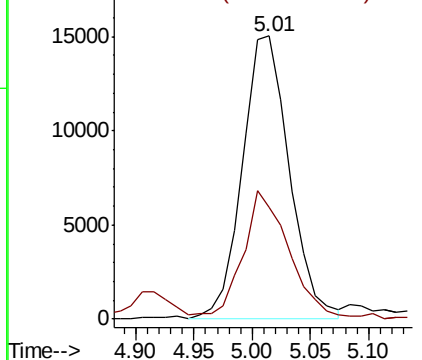
apatel

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

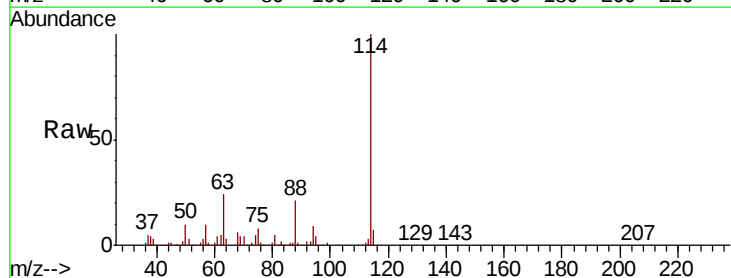
Tgt Ion:114 Resp: 322011

Ion Ratio Lower Upper

114 100

63 23.8 0.0 47.4

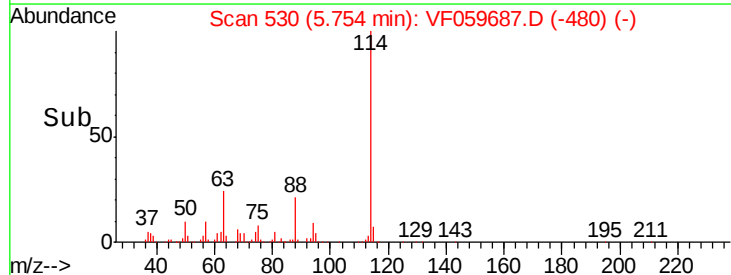
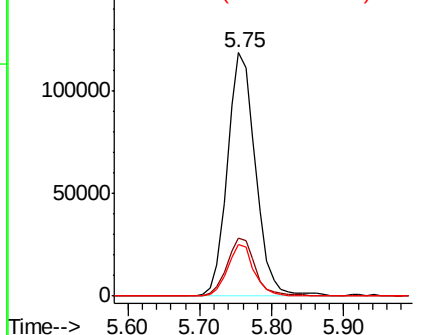
88 21.2 0.0 41.2

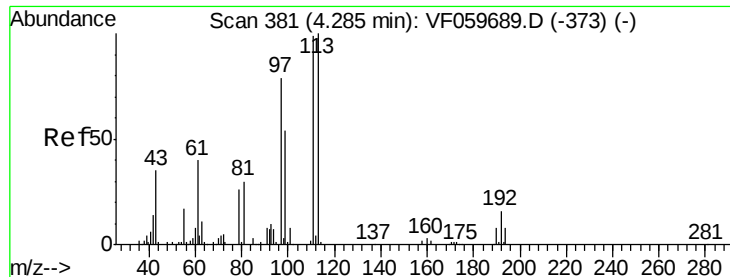


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 10.84 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

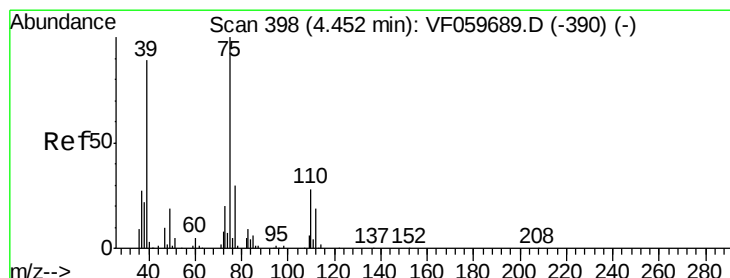
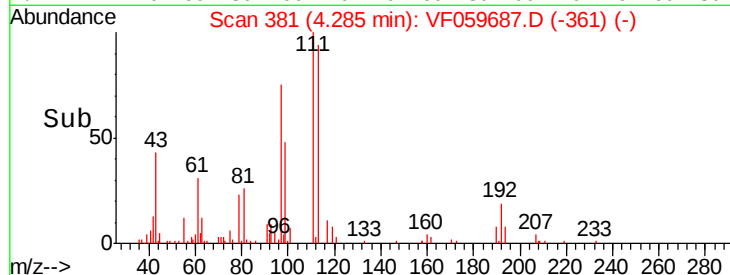
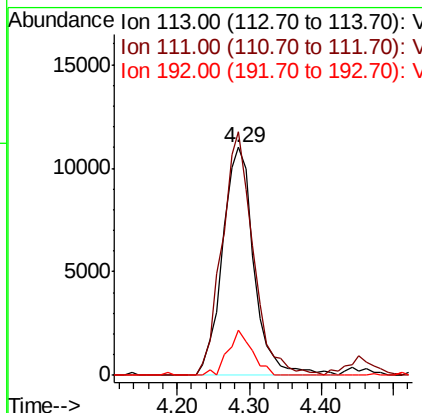
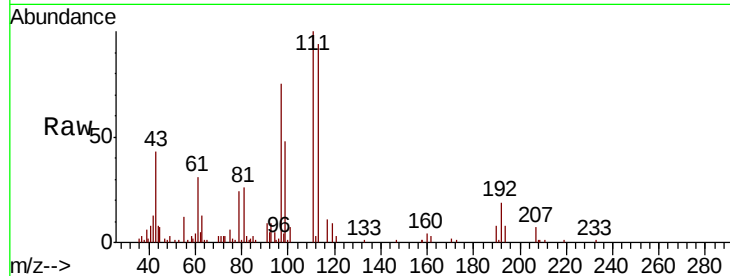
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.8	79.0	118.4
192	19.8	13.2	19.8

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#36

1,1-Dichloropropene

Concen: 10.26 ug/l

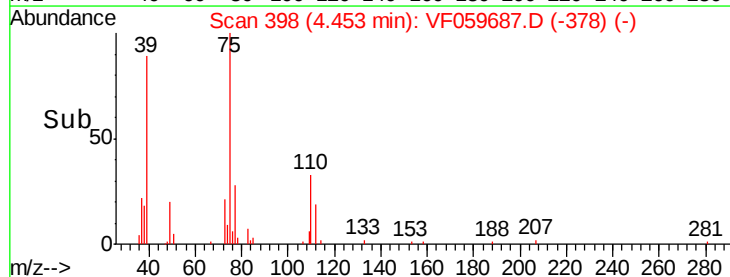
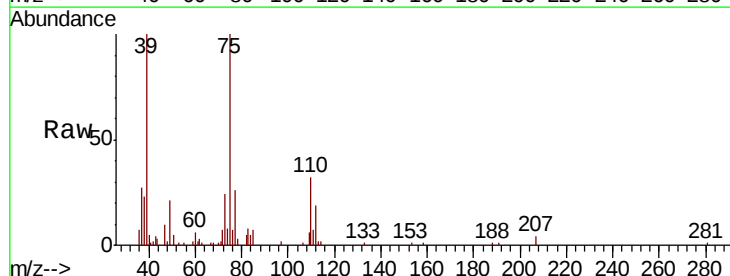
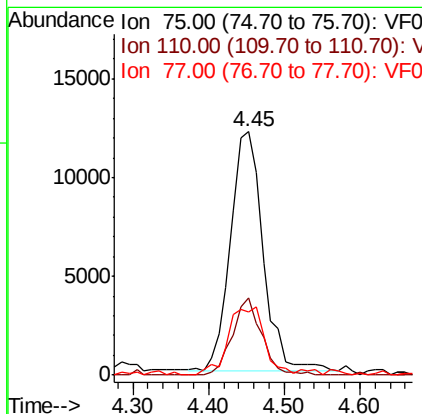
RT: 4.45 min Scan# 398

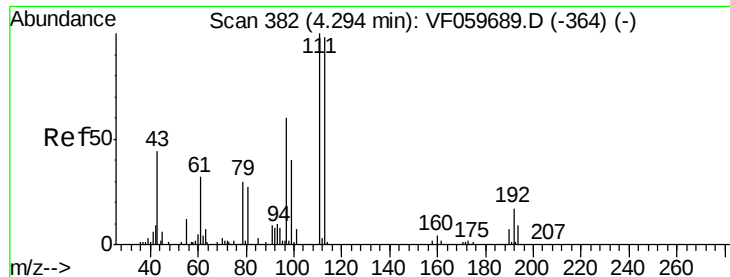
Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	31.7	14.0	41.9
77	26.1	24.2	36.2





#37

Ethyl Acetate

Concen: 15.17 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.02 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

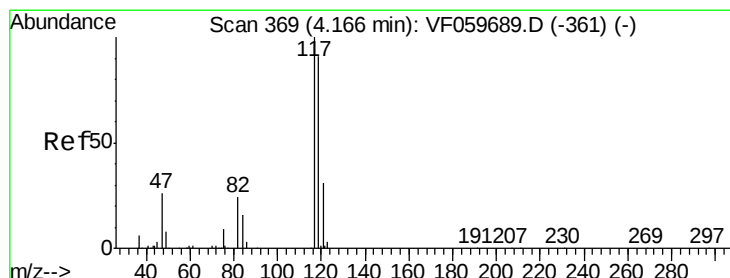
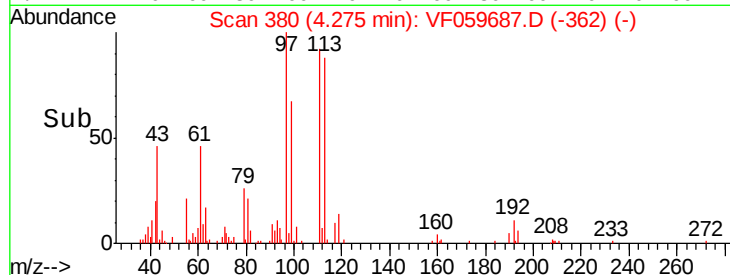
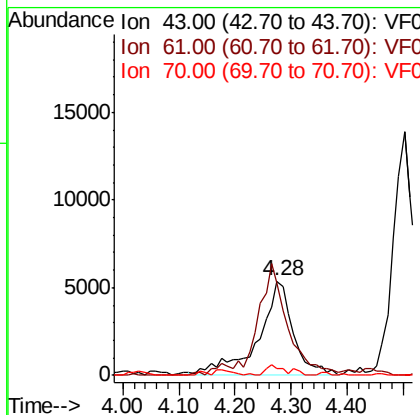
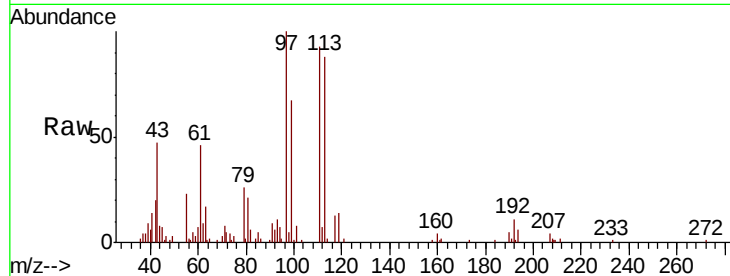
ClientSampled :

VSTDIC010

Tot Ion:	43	Resp:	23113
Ion Ratio	Lower	Upper	
43	100		
61	97.5	58.2	87.2#
70	6.6	6.0	9.0

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 10.76 ug/l

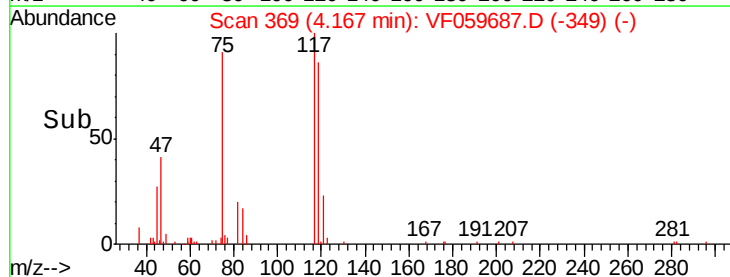
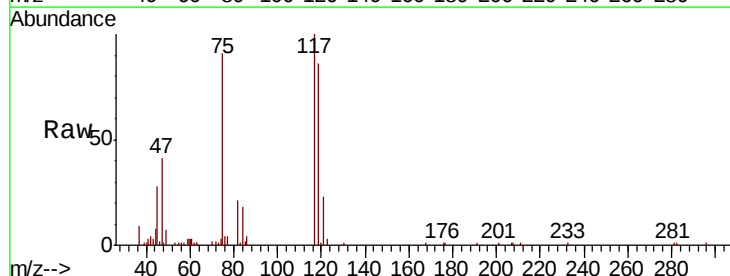
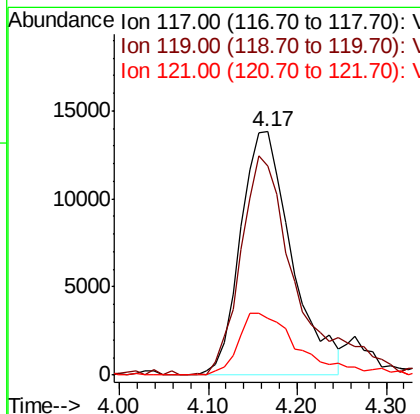
RT: 4.17 min Scan# 369

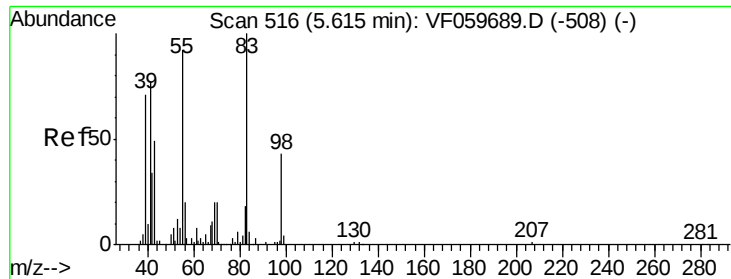
Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Tgt Ion:	117	Resp:	55161
Ion Ratio	Lower	Upper	
117	100		
119	86.1	72.9	109.3
121	23.4	25.0	37.4#





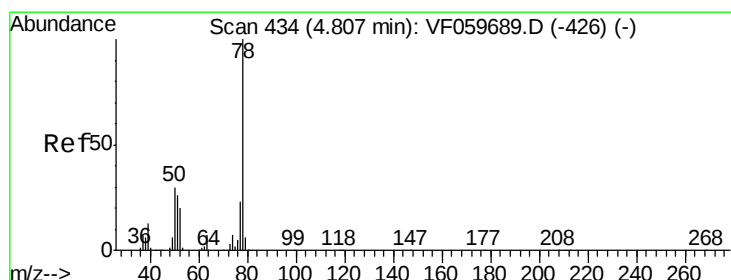
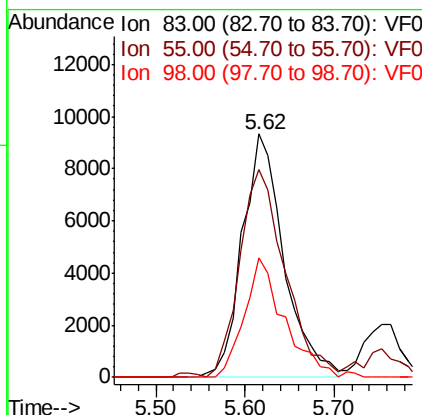
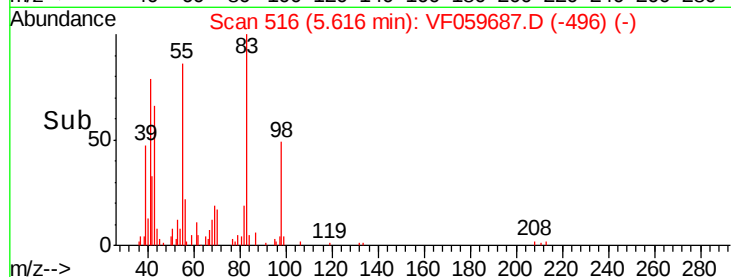
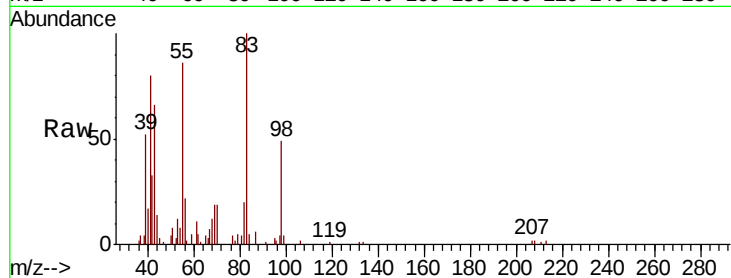
#39
Methvlcvclohexane
Concen: 10.65 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.5	73.4	110.2
98	49.3	34.2	51.4

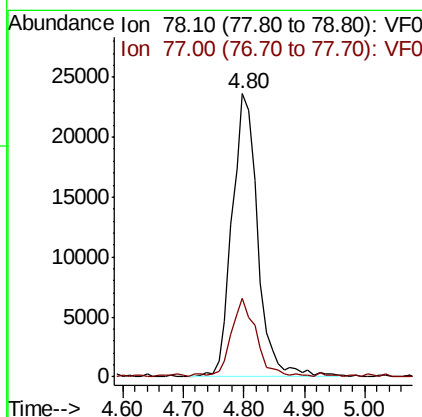
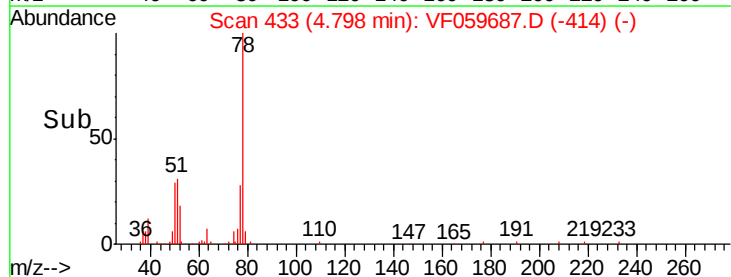
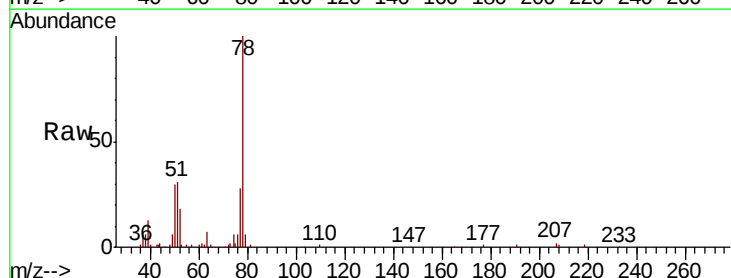
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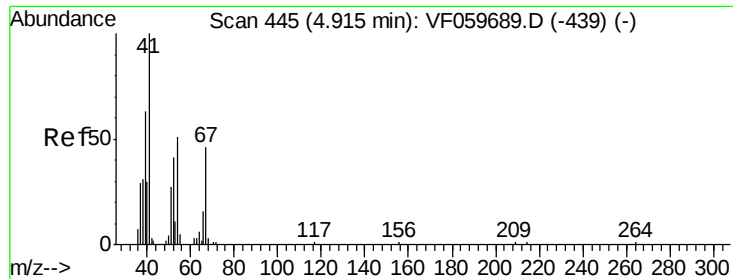
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#40
Benzene
Concen: 11.26 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.8	18.9	28.3





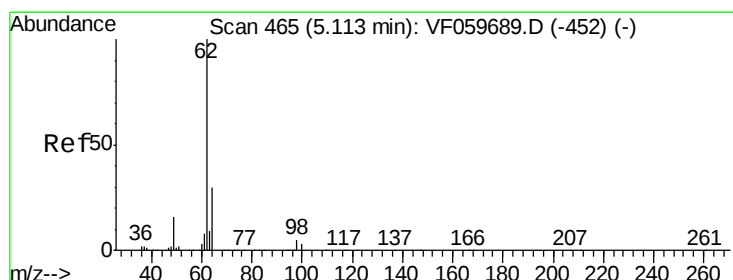
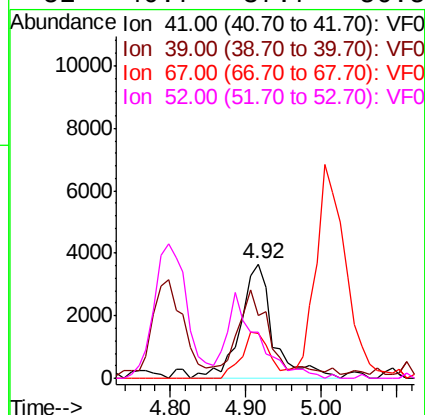
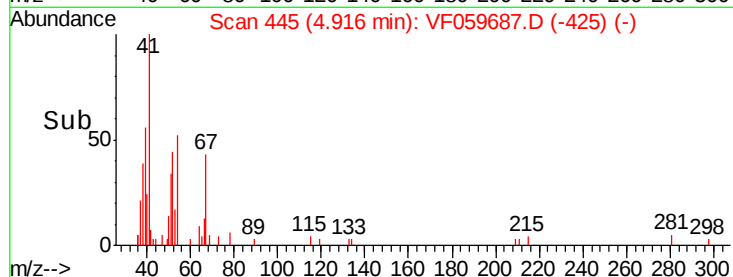
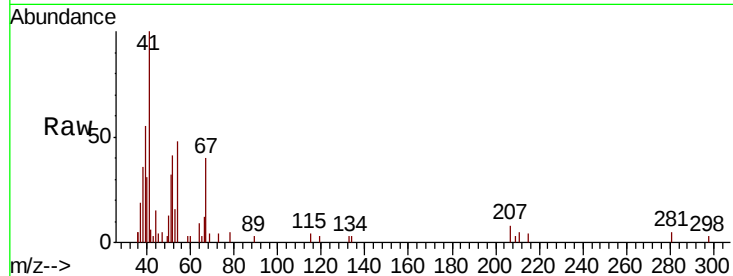
#41
Methacrylonitrile
Concen: 14.50 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampled :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		10881		
39	55.3	55.2	82.8		
67	39.7	36.2	54.2		
52	40.7	37.7	56.5		

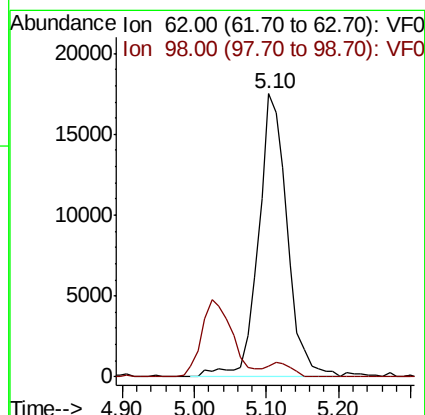
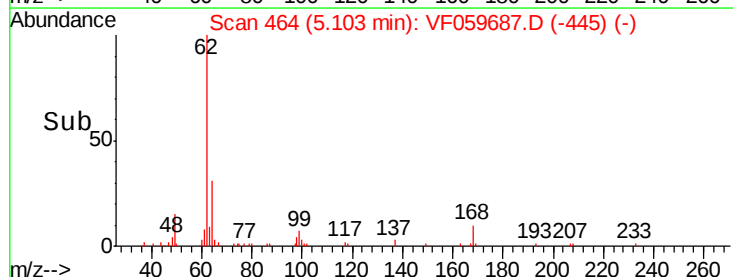
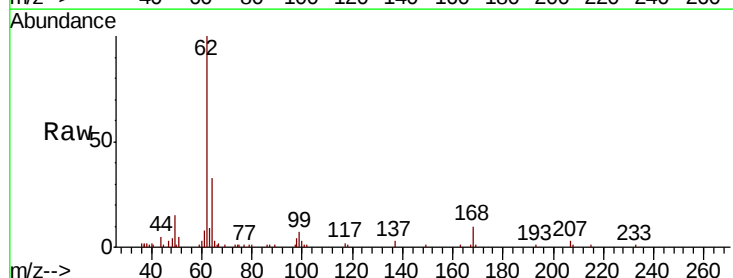
Manual Integrations
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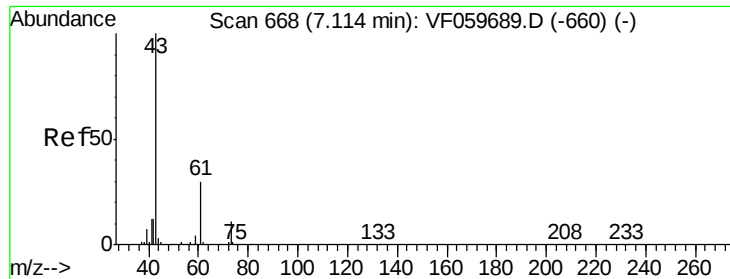
apatel
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#42
1,2-Dichloroethane
Concen: 12.10 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		48834		
98	3.9	0.0	9.6		





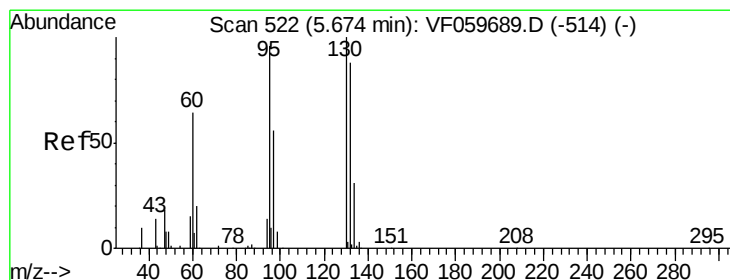
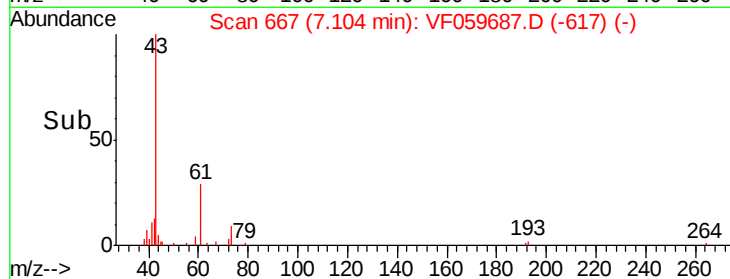
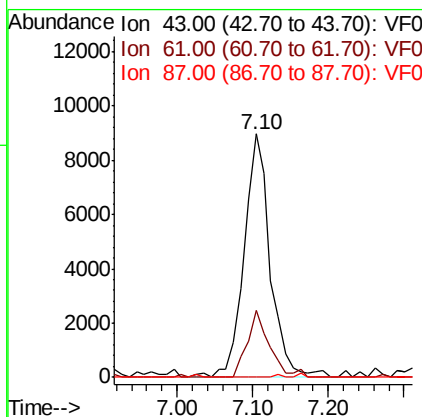
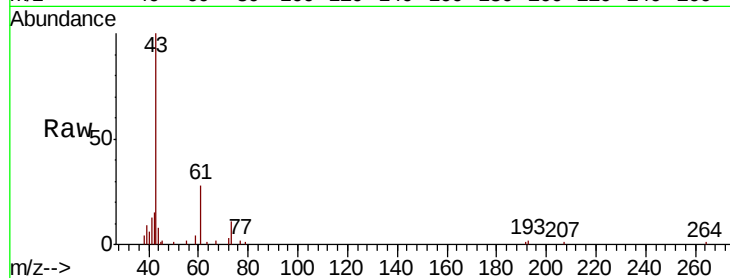
#43
Isopropyl Acetate
Concen: 13.59 ug/l
RT: 7.10 min Scan# 667
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.6	23.8	35.8
87	0.0	0.6	1.0#

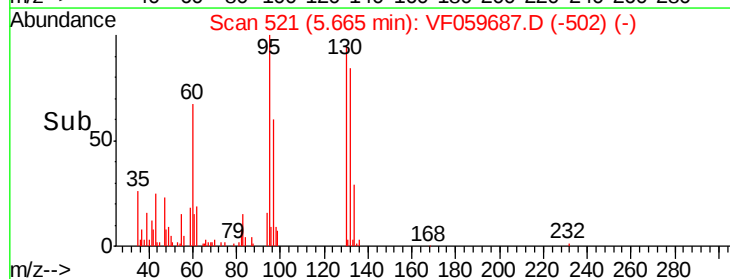
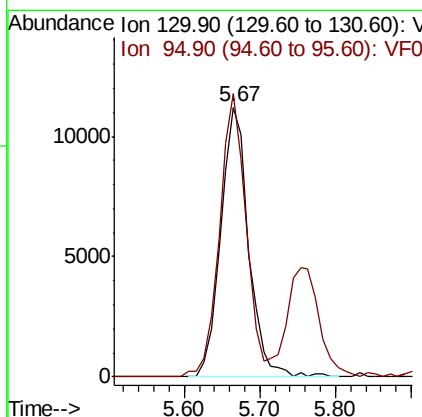
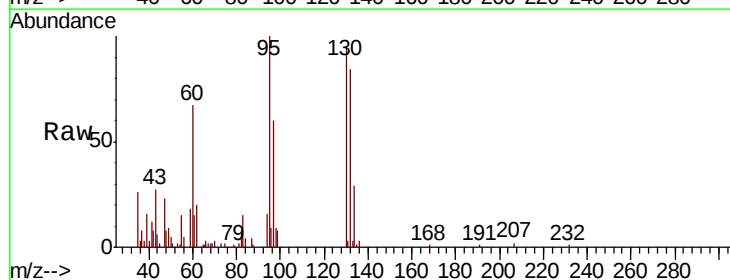
Manual Integrations
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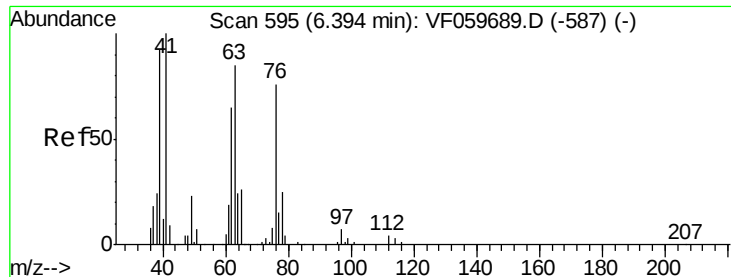
apatel
7/31/2018 12:12:35 PM



#44
Trichloroethene
Concen: 11.88 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
130	100		
95	105.1	0.0	191.0





#45

1,2-Dichloropropane

Concen: 11.40 ug/l

RT: 6.39 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 18793

Ion Ratio Lower Upper

63 100

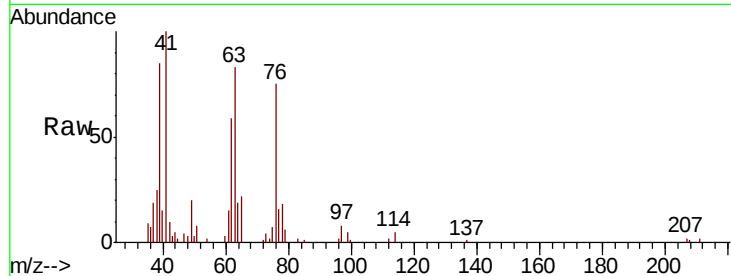
65 25.8 25.2 37.8

Manual Integrations

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

8000

6000

4000

2000

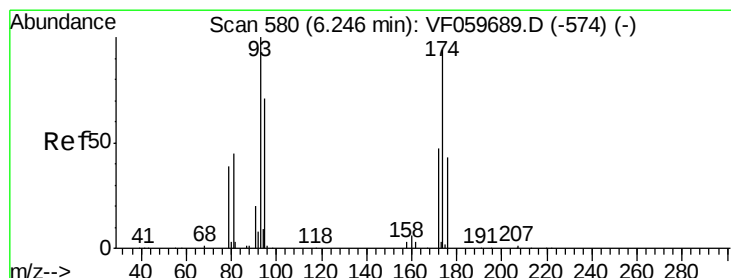
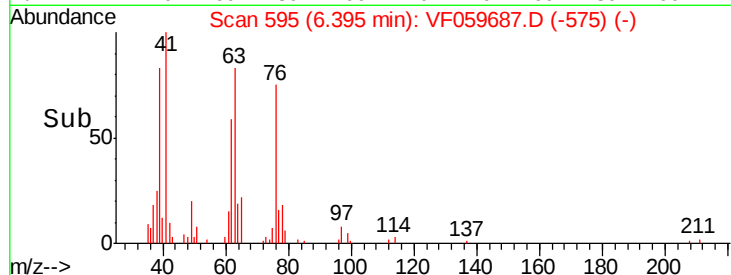
0

6.30

6.40

6.50

Time-->



#46

Dibromomethane

Concen: 11.61 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

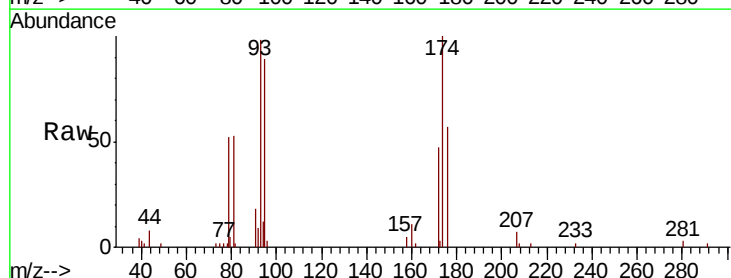
Tgt Ion: 93 Resp: 16628

Ion Ratio Lower Upper

93 100

95 91.0 57.1 85.7#

174 101.9 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

8000

6000

4000

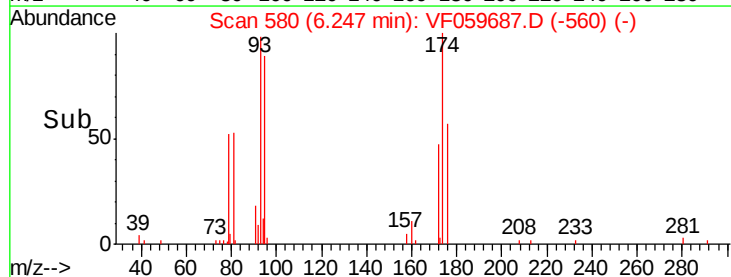
2000

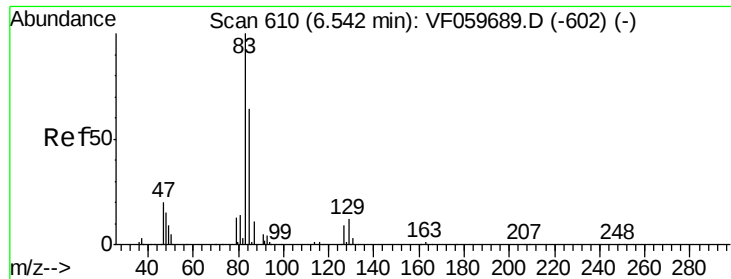
0

6.20

6.30

Time-->





#47

Bromodichloromethane

Concen: 11.66 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

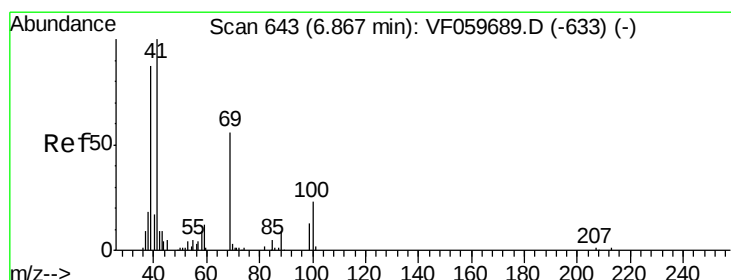
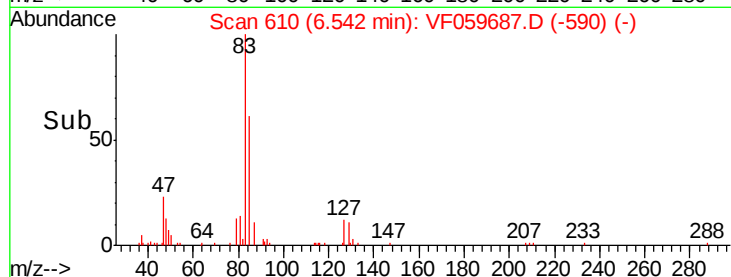
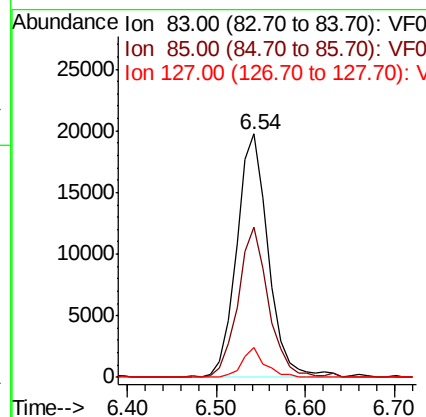
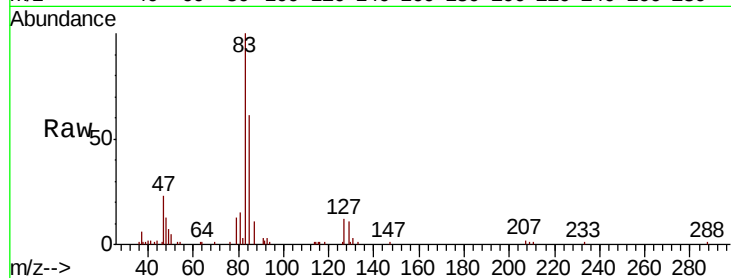
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	48893
Ion	Ratio	Lower	Upper
83	100		
85	61.5	51.0	76.6
127	12.2	7.3	10.9#

Manual Integrations
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#48

Methyl methacrylate

Concen: 12.08 ug/l

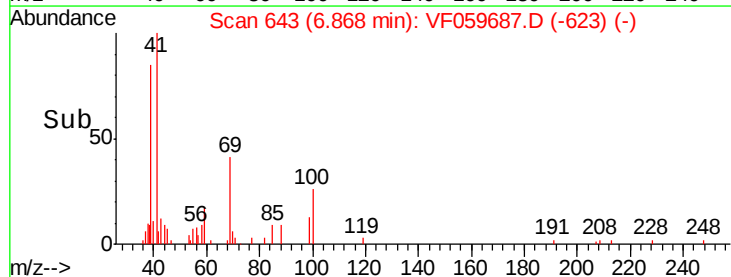
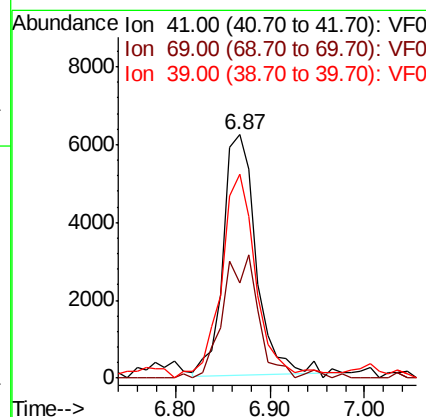
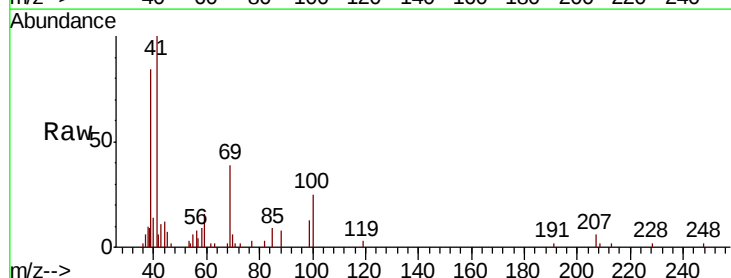
RT: 6.87 min Scan# 643

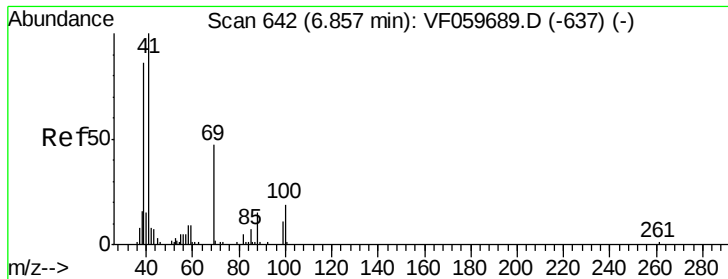
Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Tgt Ion:	41	Resp:	14959
Ion	Ratio	Lower	Upper
41	100		
69	39.0	44.4	66.6#
39	83.8	69.4	104.2





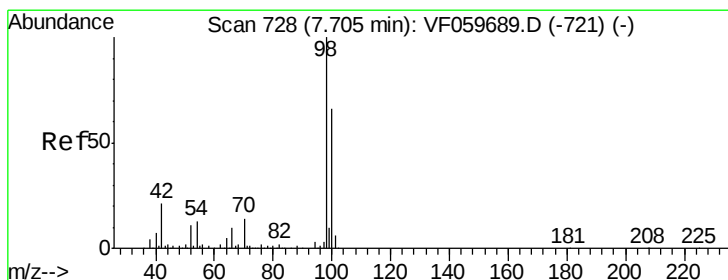
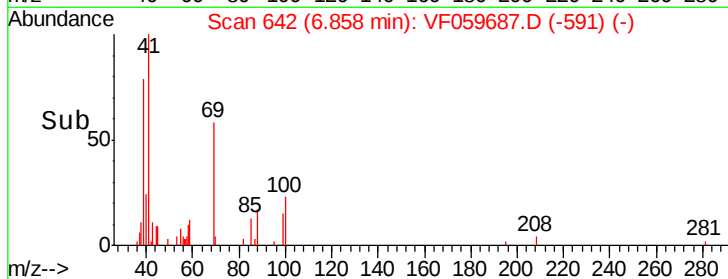
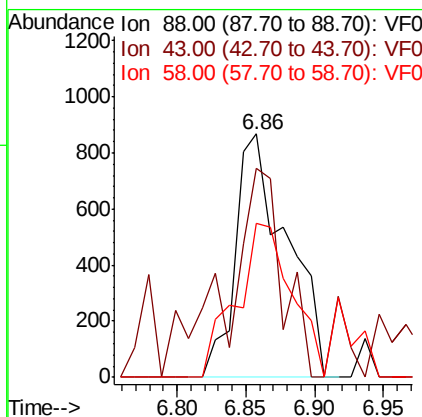
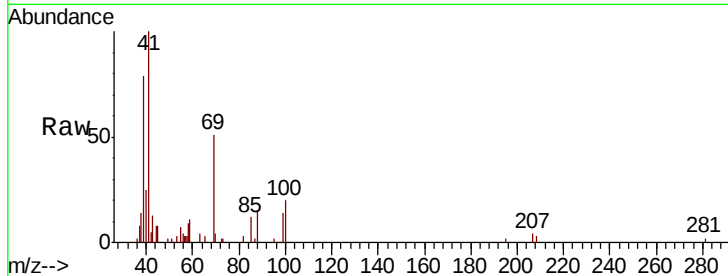
#49
1,4-Dioxane
Concen: 227.72 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	85.6	45.2	67.8#
58	63.2	49.0	73.6

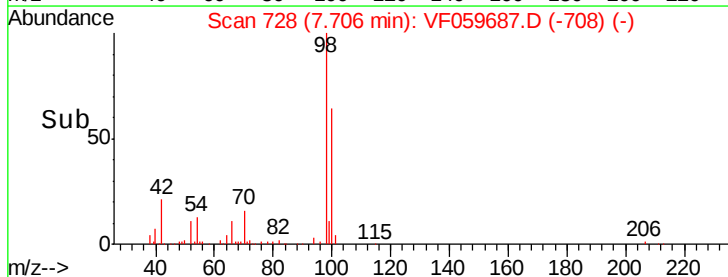
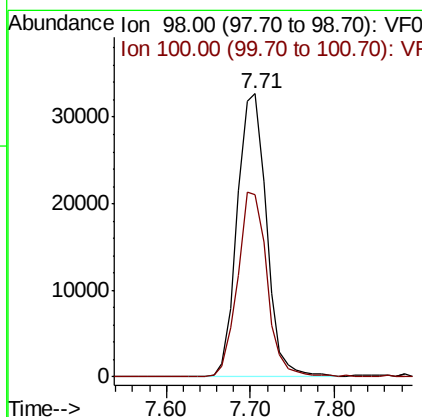
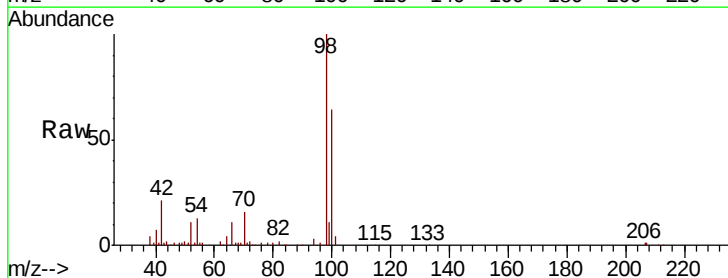
Manual Integrations
APPROVED

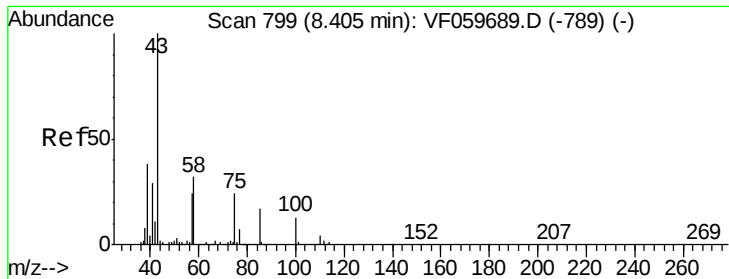
apatel
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#50
Toluene-d8
Concen: 10.66 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 64.83 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 82305

Ion Ratio Lower Upper

43 100

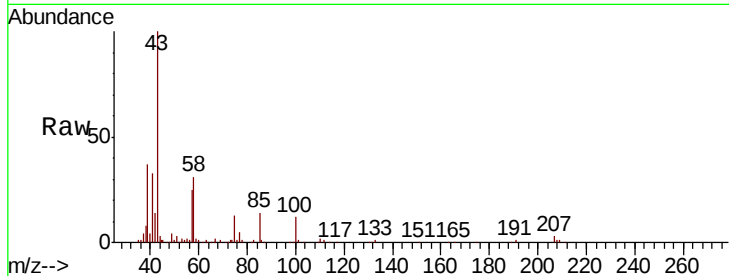
58 31.3 25.9 38.9

Manual Integrations

APPROVED

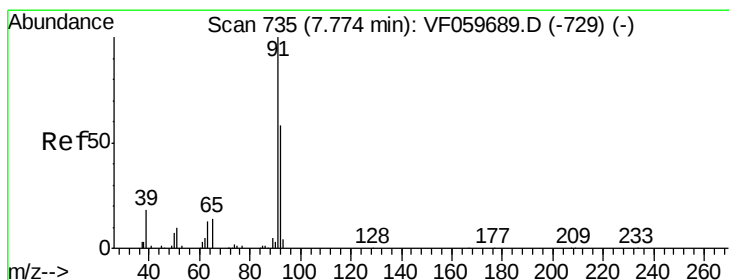
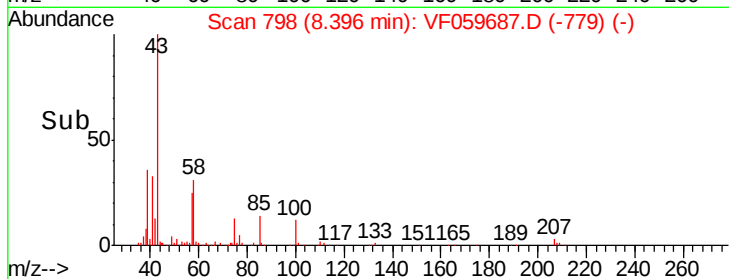
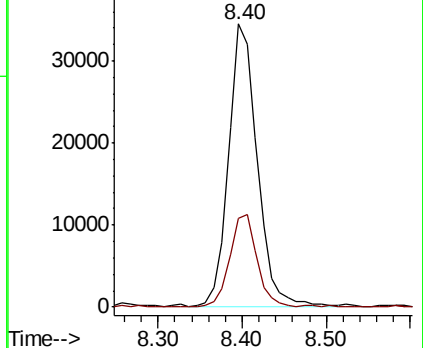
apatel

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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: 11.96 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059687.D

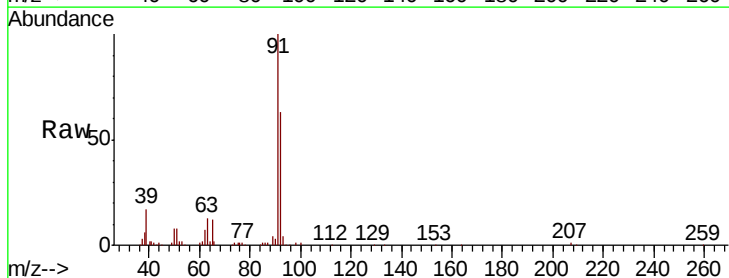
Acq: 30 Jul 2018 14:34

Tgt Ion: 92 Resp: 55115

Ion Ratio Lower Upper

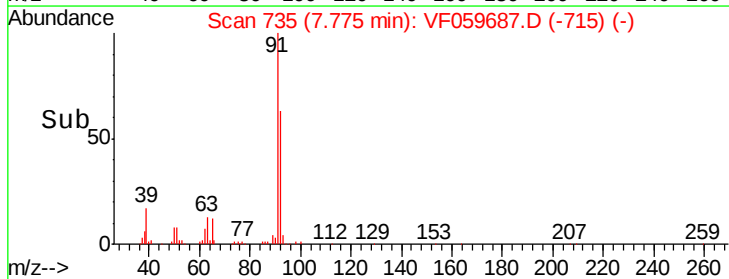
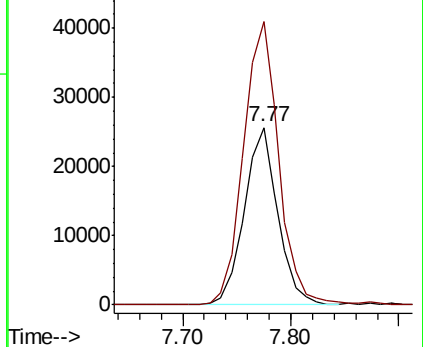
92 100

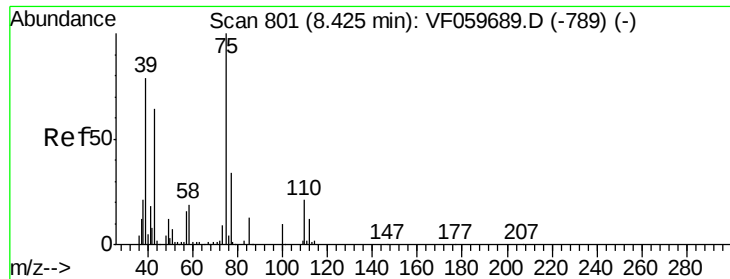
91 159.4 139.0 208.4



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: 12.11 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059687.D

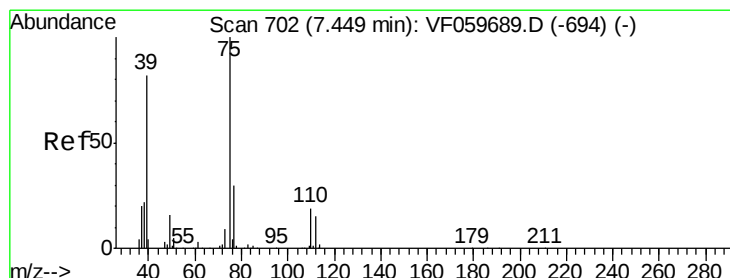
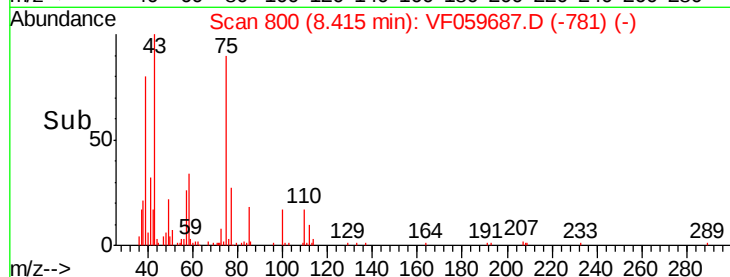
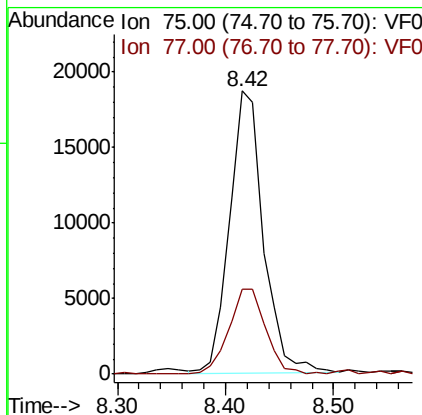
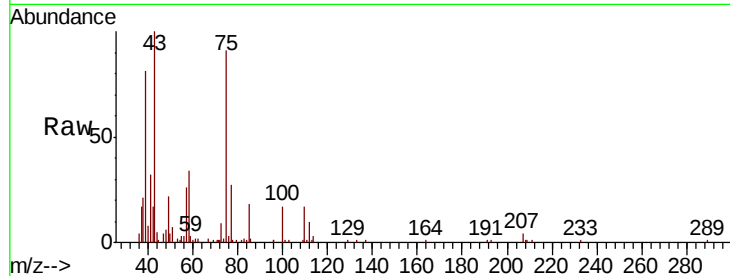
Acq: 30 Jul 2018 14:34

Tot Ion	75	Resp	40627
Ion Ratio	Lower	Upper	
75	100		
77	30.2	27.0	40.4

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 11.79 ug/l

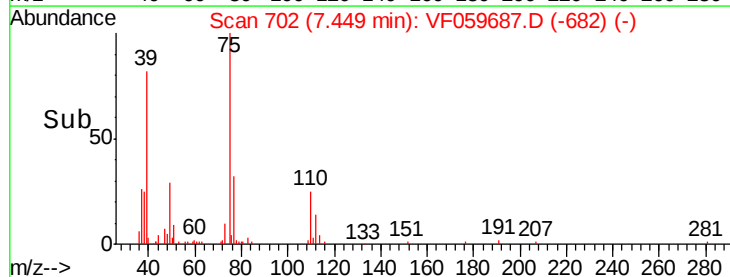
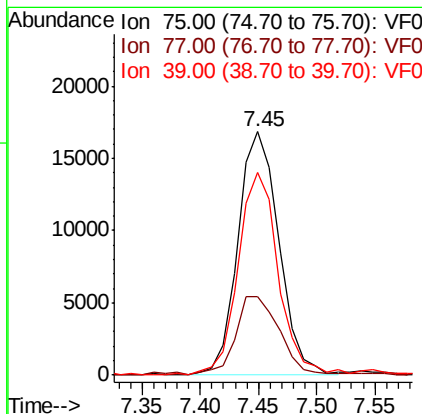
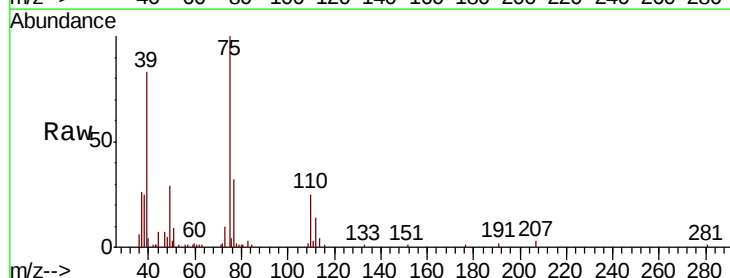
RT: 7.45 min Scan# 702

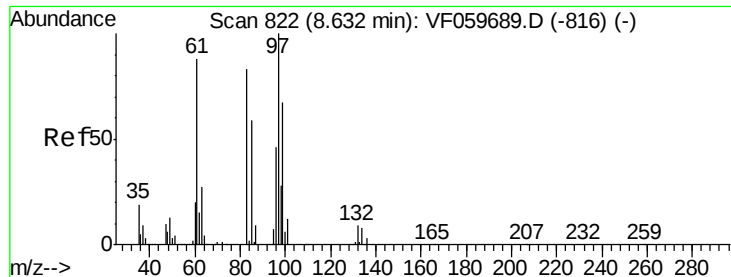
Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Tgt Ion	75	Resp	41049
Ion Ratio	Lower	Upper	
75	100		
77	32.1	24.0	36.0
39	83.3	65.4	98.2





#55

1,1,2-Trichloroethane

Concen: 12.15 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

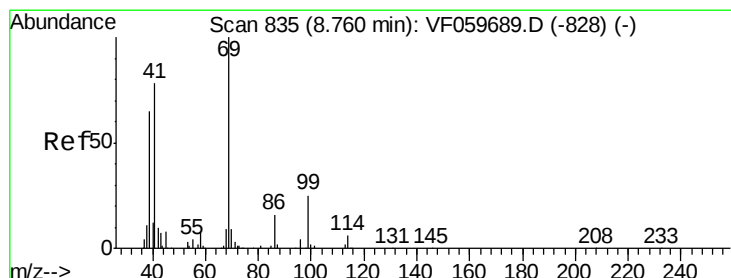
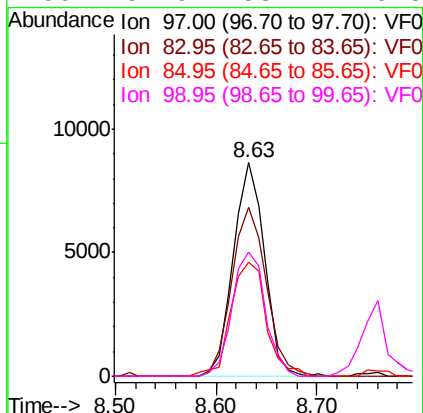
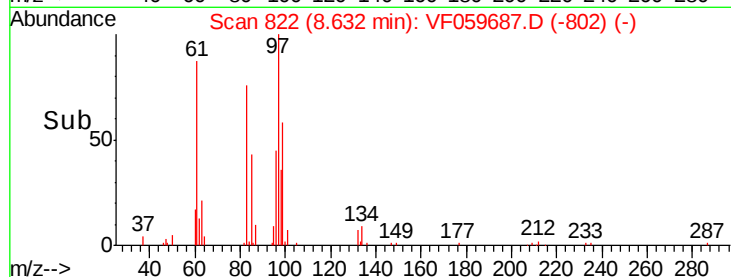
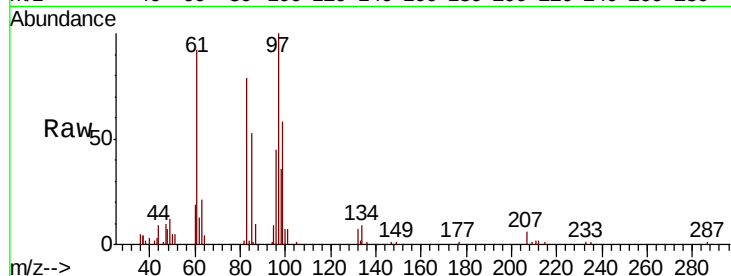
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	18595
Ion Ratio	Lower	Upper	
97	100		
83	79.0	66.6	100.0
85	53.4	47.4	71.0
99	57.9	53.2	79.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 12.91 ug/l

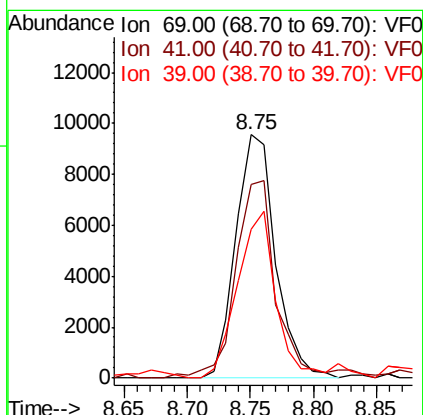
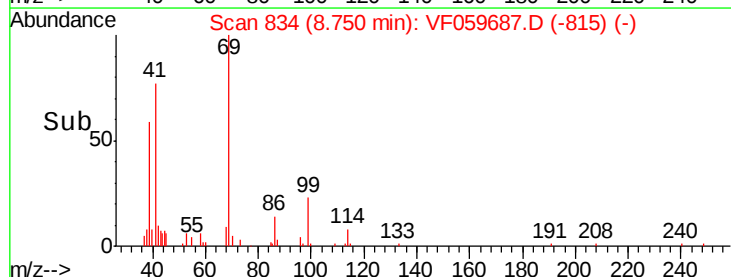
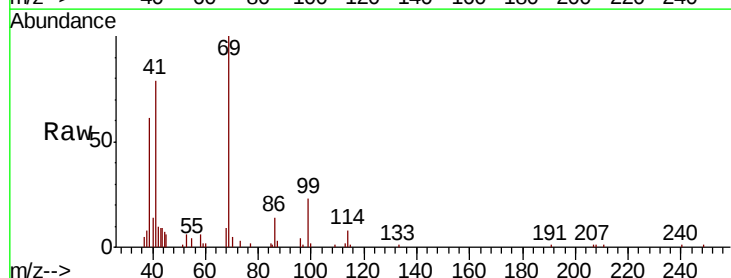
RT: 8.75 min Scan# 834

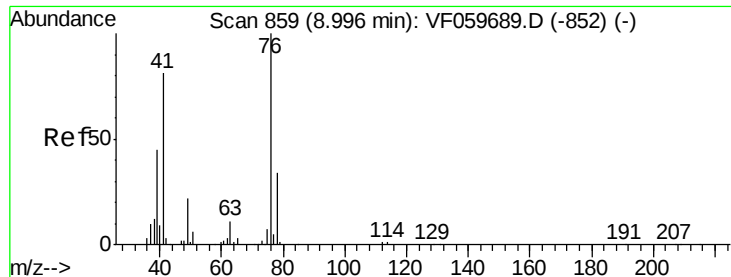
Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Tgt Ion:	69	Resp:	20940
Ion Ratio	Lower	Upper	
69	100		
41	79.4	62.3	93.5
39	61.0	52.4	78.6





#57

1,3-Dichloropropane

Concen: 12.76 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 33769

Ion Ratio Lower Upper

76 100

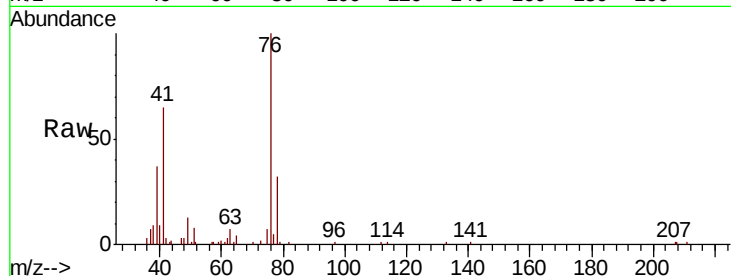
78 31.9 27.2 40.8

Manual Integrations

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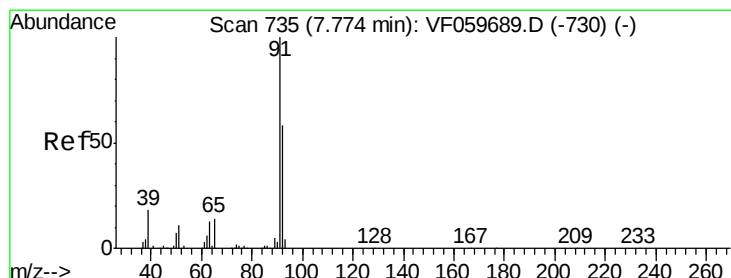
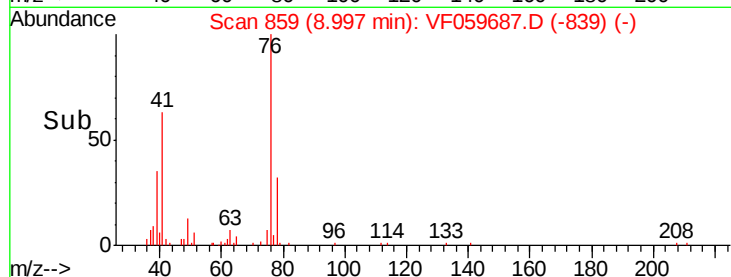
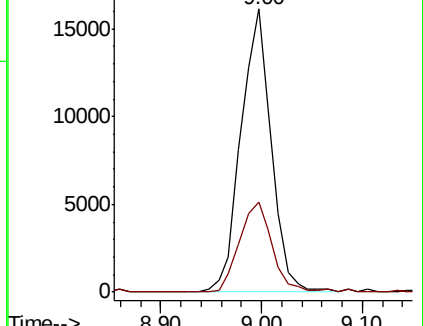
apatel

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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: 60.36 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059687.D

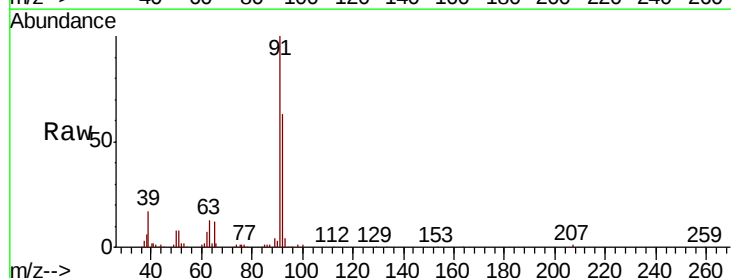
Acq: 30 Jul 2018 14:34

Tgt Ion: 63 Resp: 11824

Ion Ratio Lower Upper

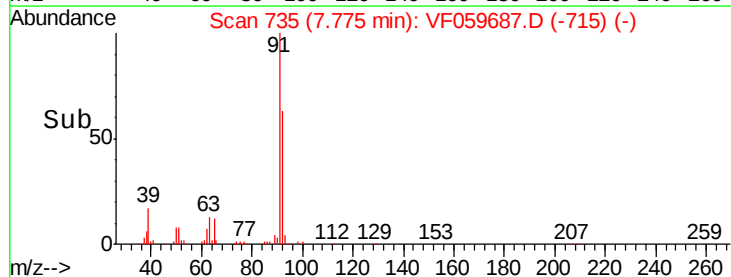
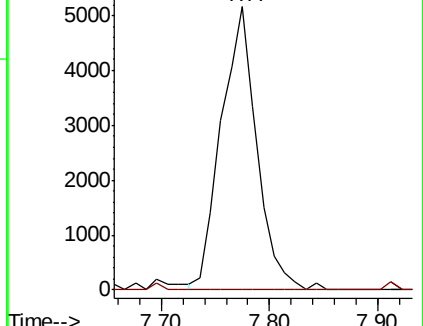
63 100

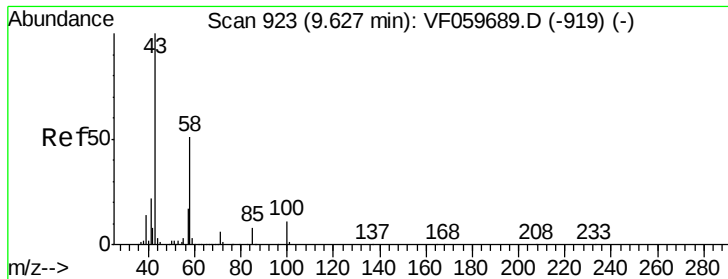
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





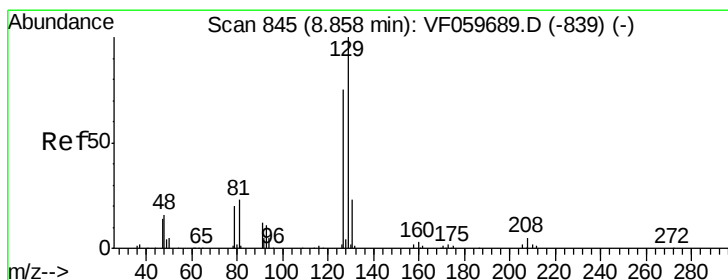
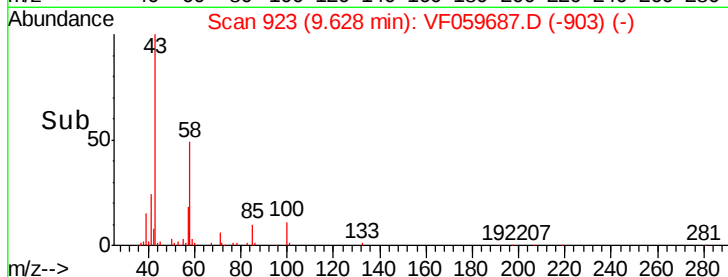
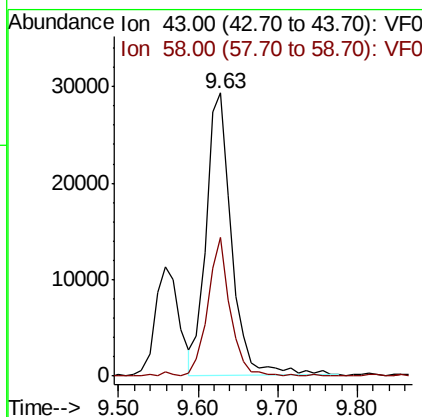
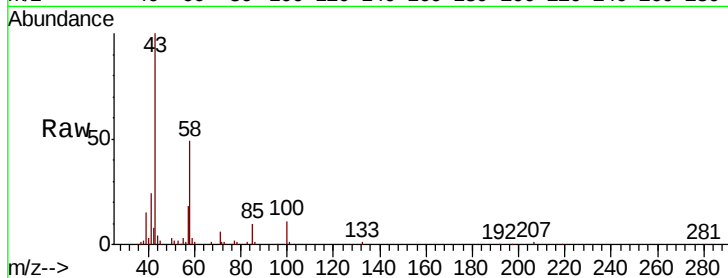
#59
2-Hexanone
Concen: 69.36 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.2	23.3	69.8

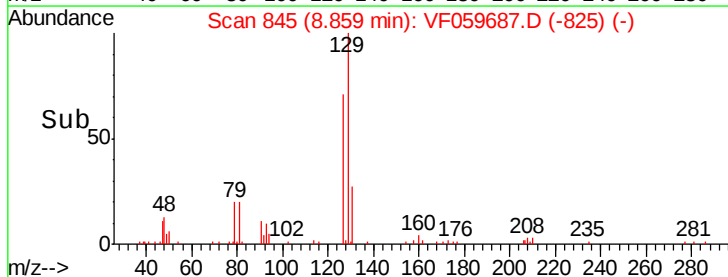
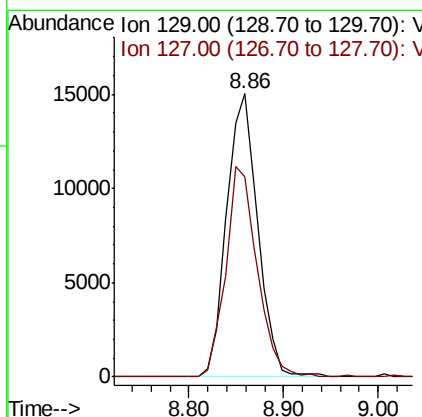
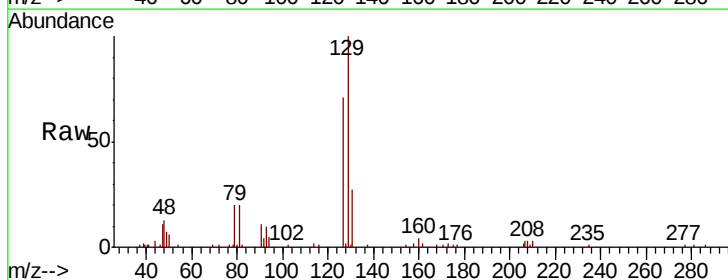
Manual Integrations
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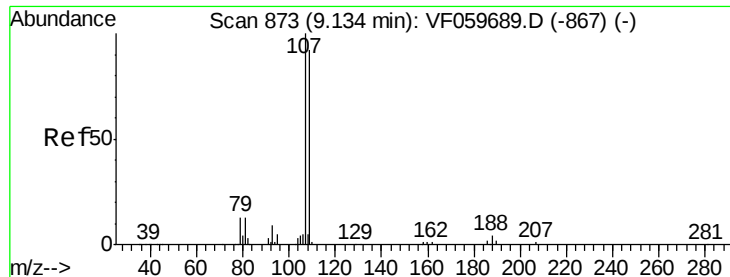
apatel
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#60
Dibromochloromethane
Concen: 12.41 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
129	100		
127	73.1	37.7	113.1





#61

1,2-Dibromoethane

Concen: 12.18 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 22533

Ion Ratio Lower Upper

107 100

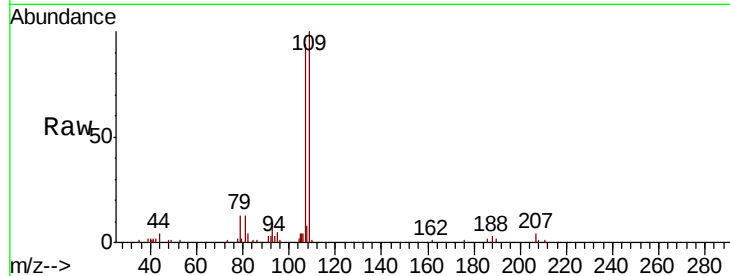
109 106.9 73.6 110.4

Manual Integrations

APPROVED

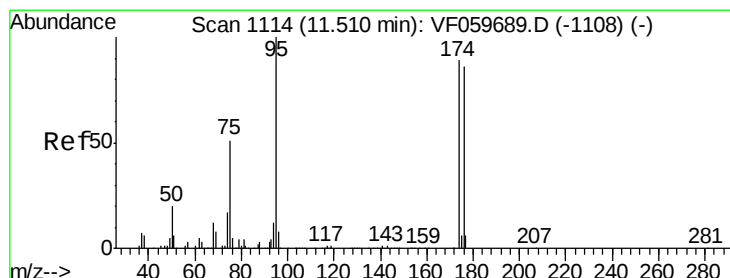
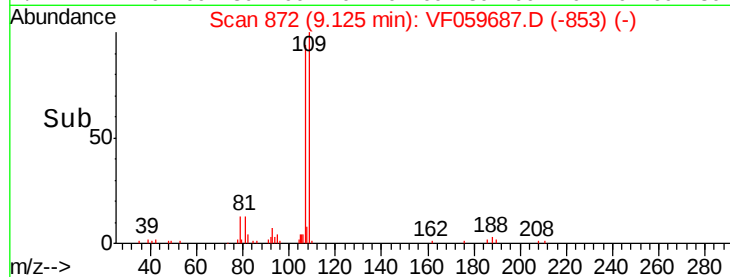
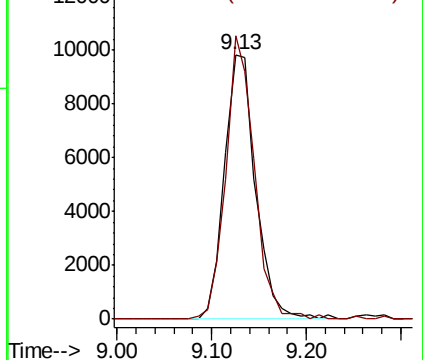
apatel

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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: 11.23 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

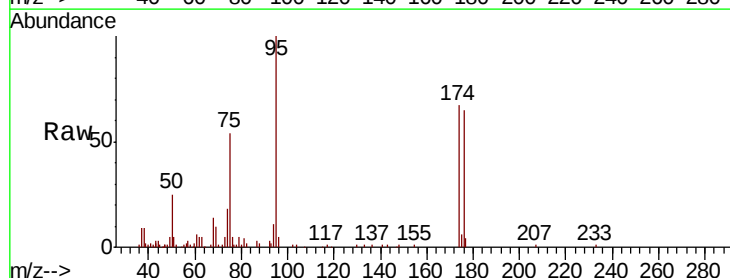
Tgt Ion: 95 Resp: 45269

Ion Ratio Lower Upper

95 100

174 66.8 0.0 178.4

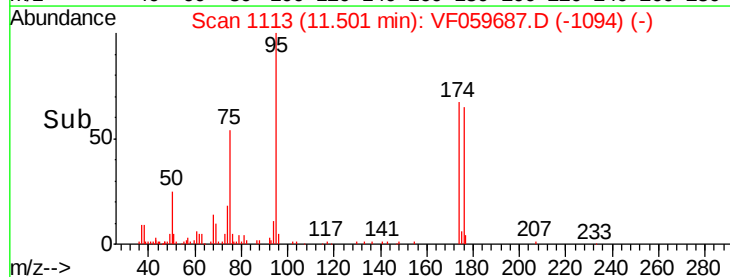
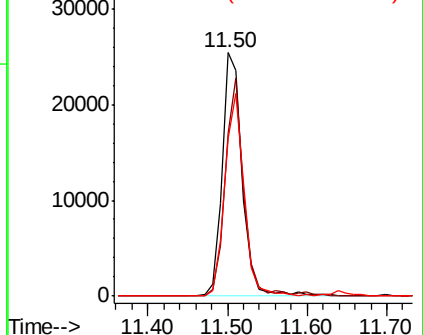
176 65.1 0.0 173.0

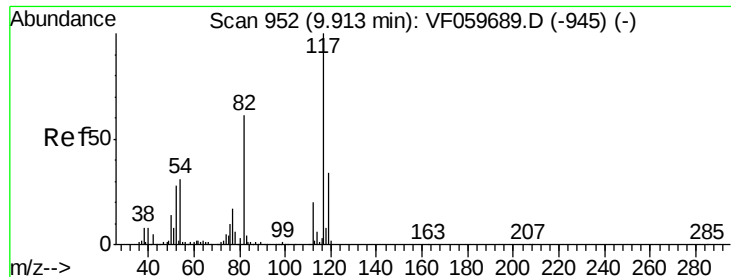


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





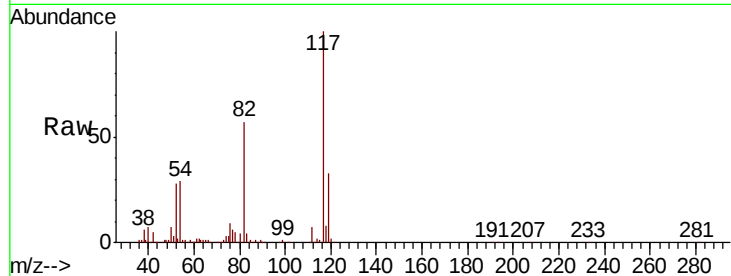
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	49.0	73.4
119	32.6	27.3	40.9

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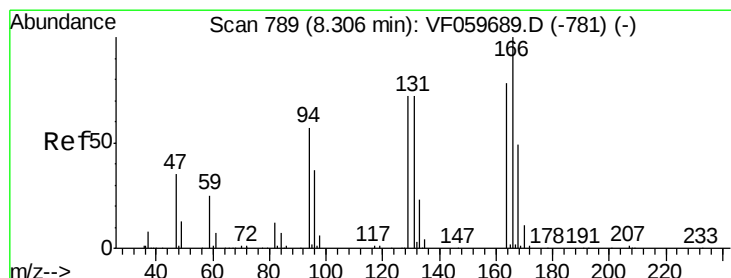
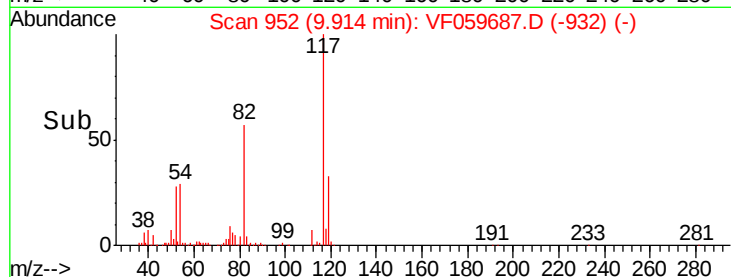
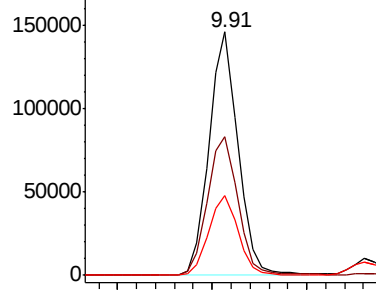


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 10.79 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	119.3	102.1	153.1
129	92.6	73.8	110.6
131	85.7	73.1	109.7

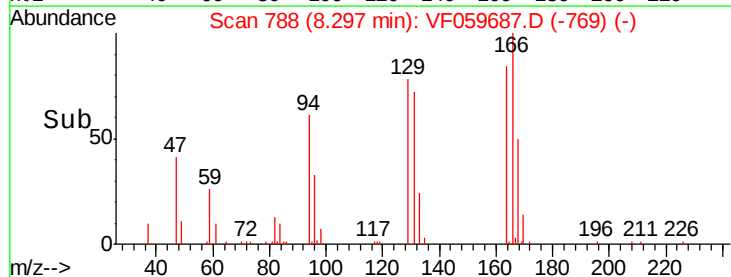
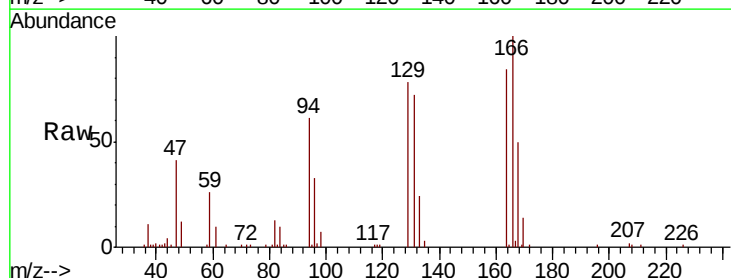
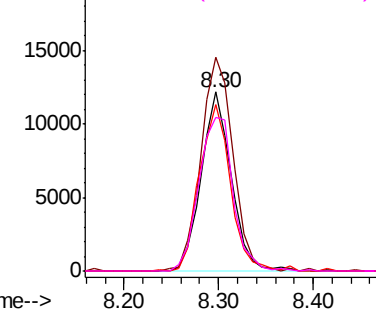
Abundance

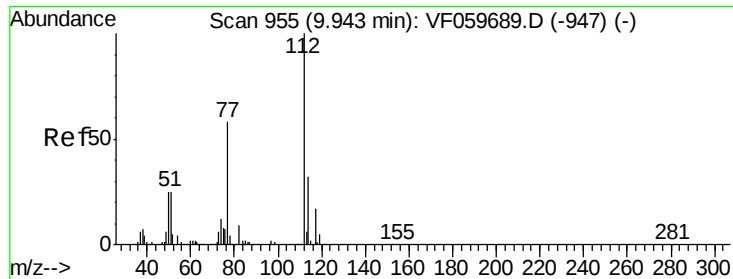
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 11.65 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 70340

Ion Ratio Lower Upper

112 100

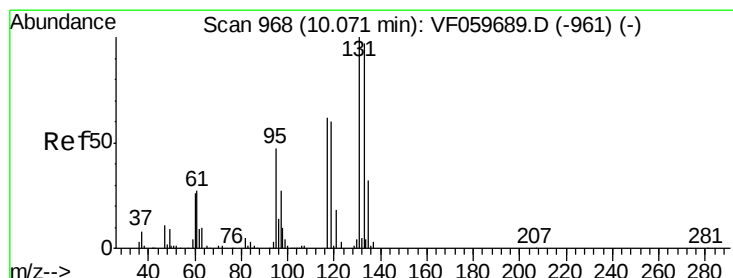
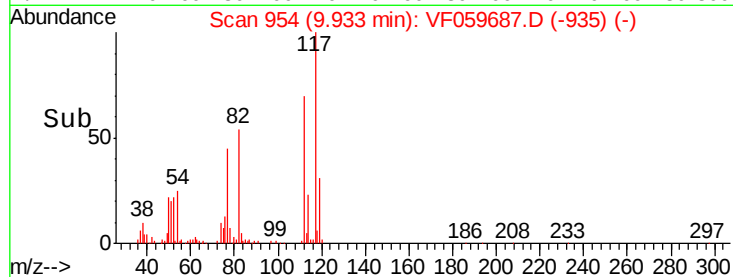
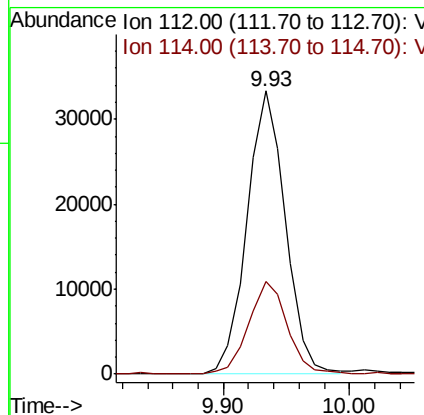
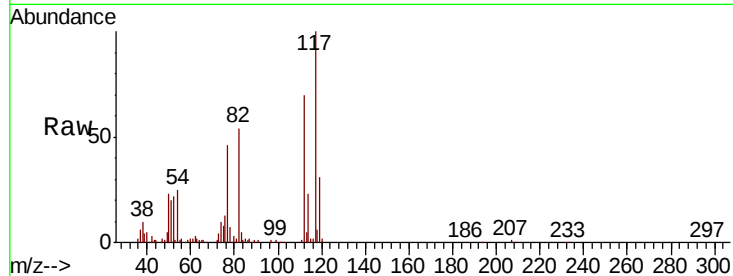
114 32.5 25.6 38.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 11.44 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

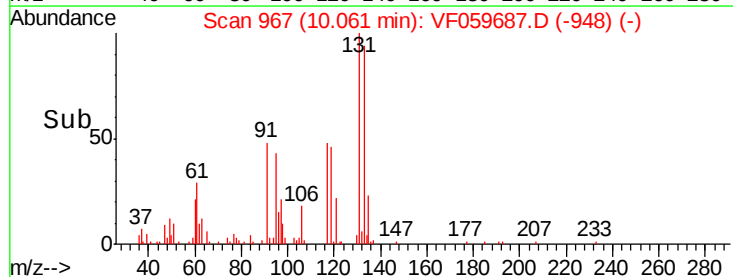
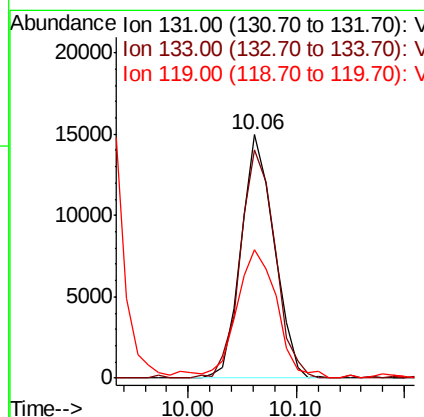
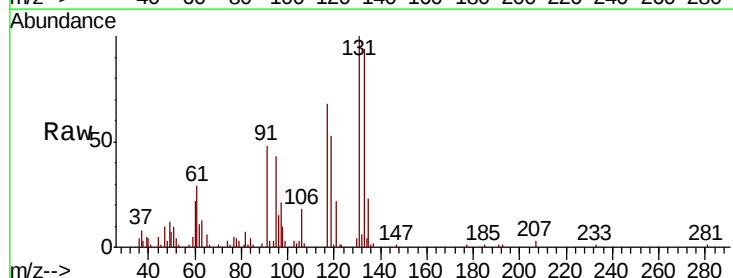
Tgt Ion:131 Resp: 31782

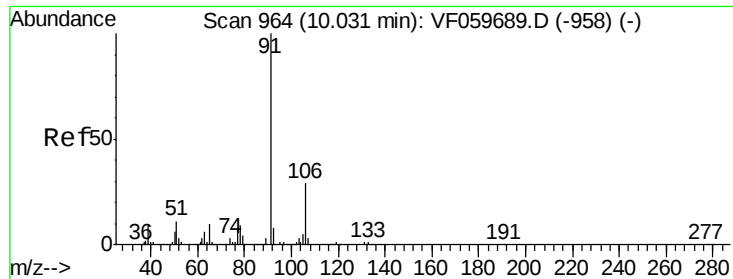
Ion Ratio Lower Upper

131 100

133 94.0 48.5 145.5

119 52.9 30.3 90.8





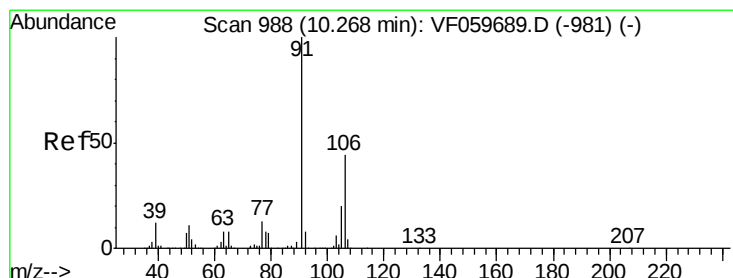
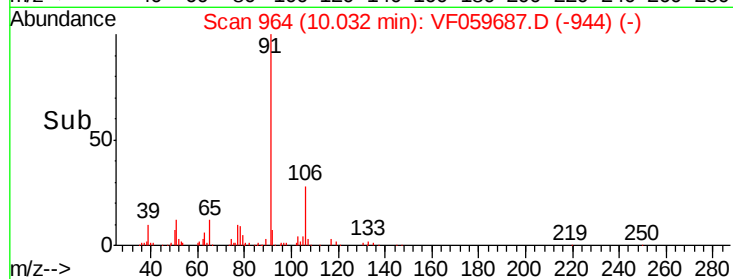
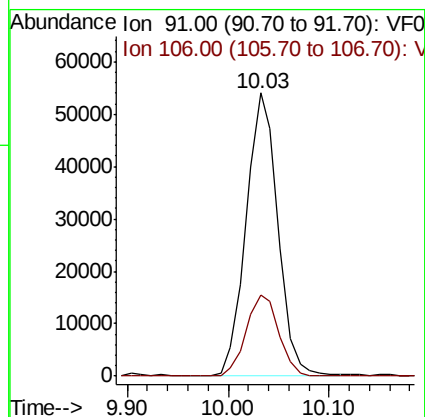
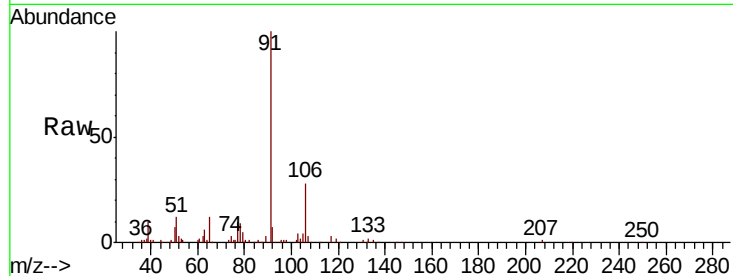
#67
Ethyl Benzene
Concen: 10.86 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 118870
Ion Ratio Lower Upper
91 100
106 28.4 22.9 34.3

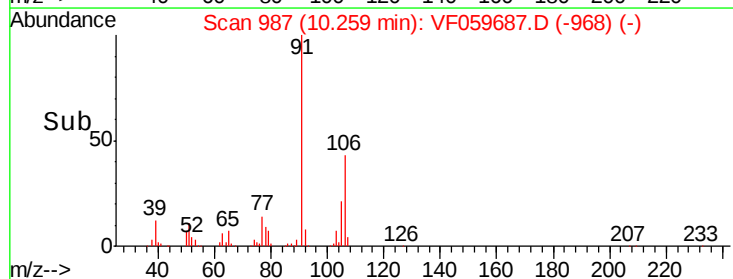
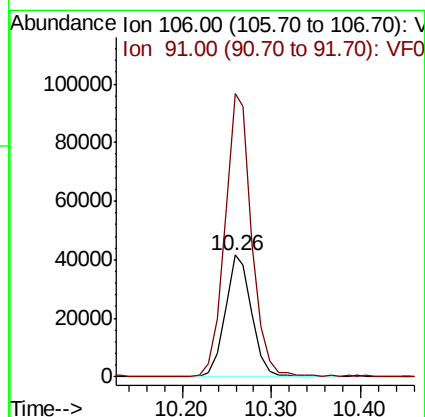
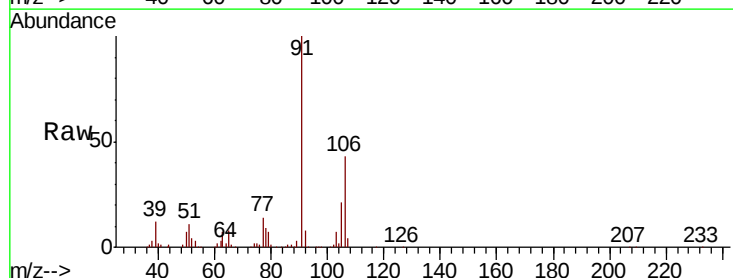
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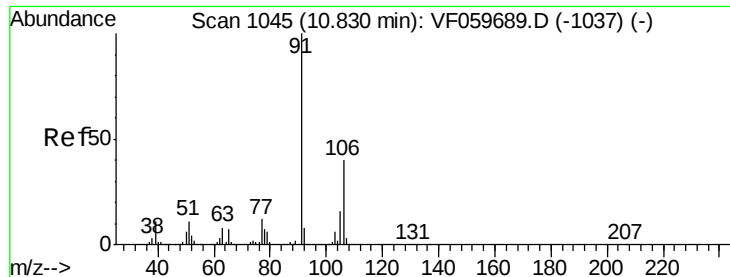
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#68
m/p-Xylenes
Concen: 22.92 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion: 106 Resp: 86846
Ion Ratio Lower Upper
106 100
91 232.2 181.7 272.5





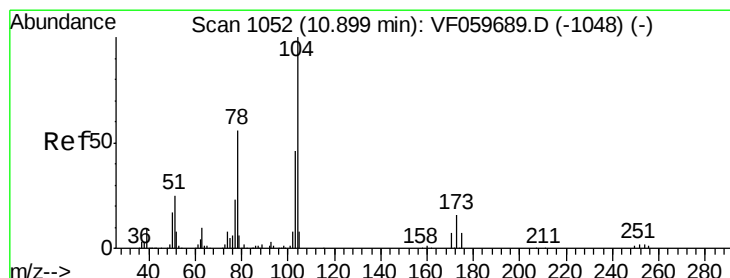
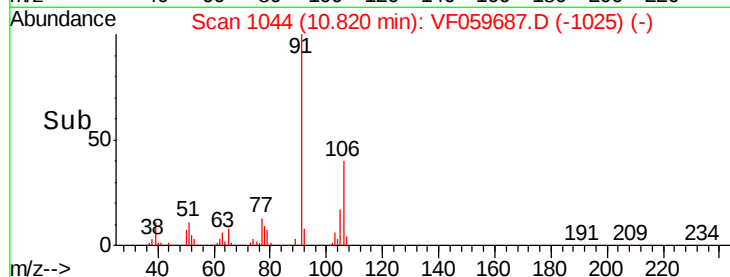
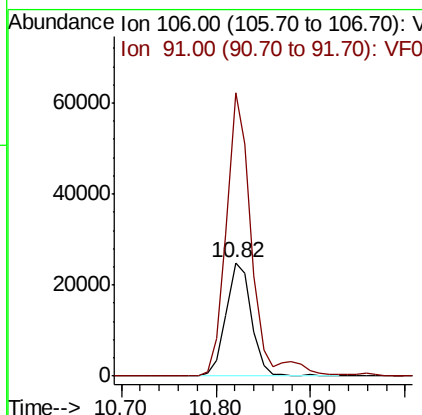
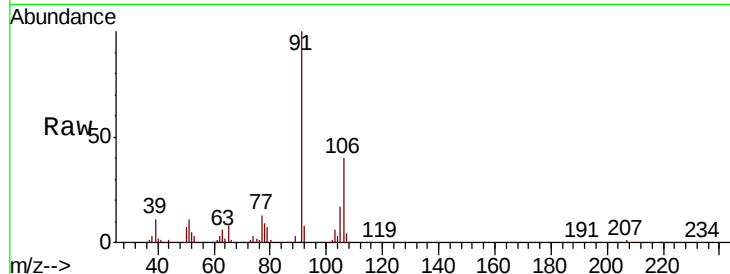
#69
o-Xylene
Concen: 11.38 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 46565
Ion Ratio Lower Upper
106 100
91 250.0 124.6 373.7

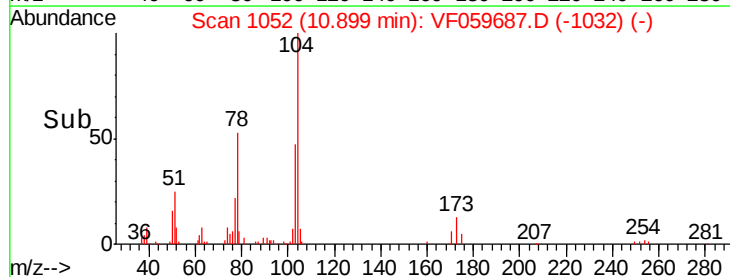
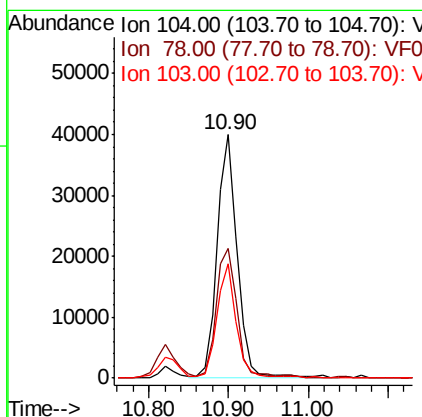
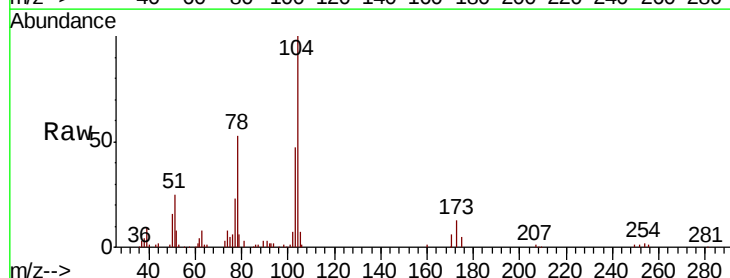
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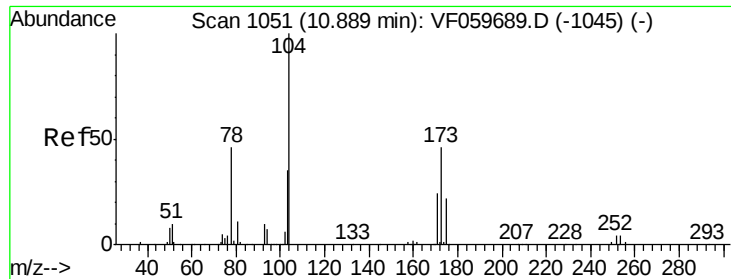
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#70
Styrene
Concen: 11.89 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion:104 Resp: 70777
Ion Ratio Lower Upper
104 100
78 53.1 45.3 67.9
103 47.1 36.6 54.8





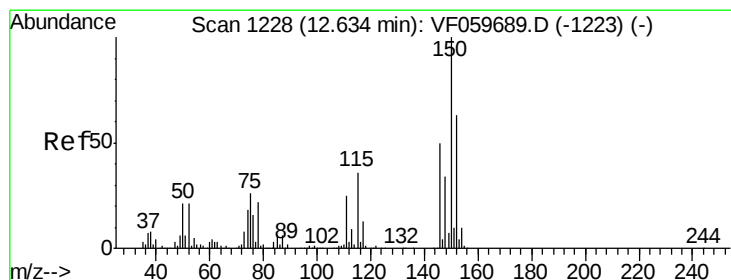
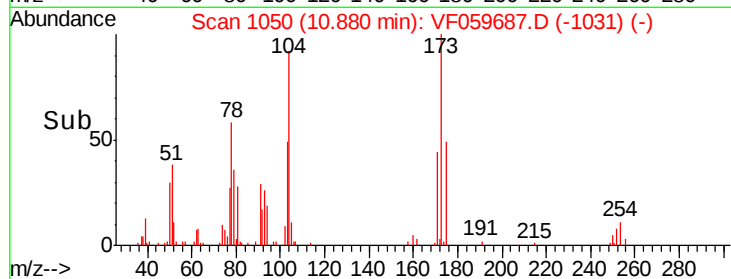
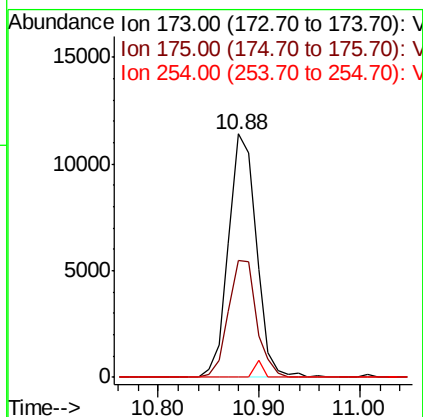
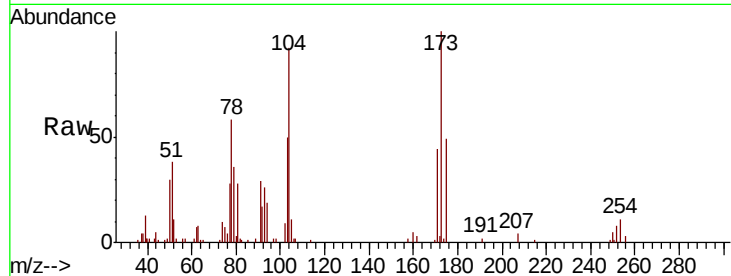
#71
Bromoform
Concen: 12.78 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	23.4	70.0
254	0.0	0.0	0.0

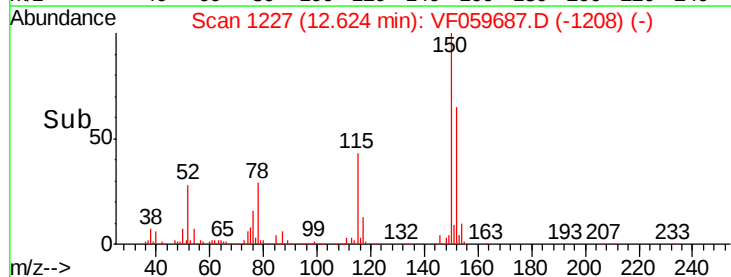
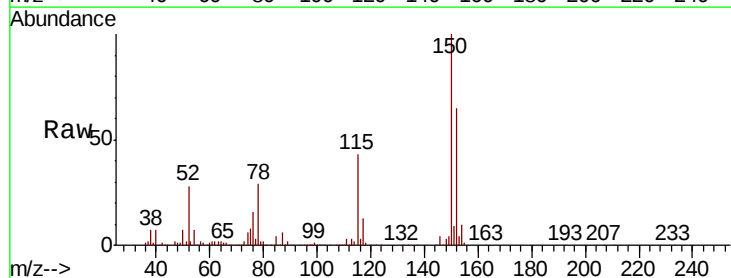
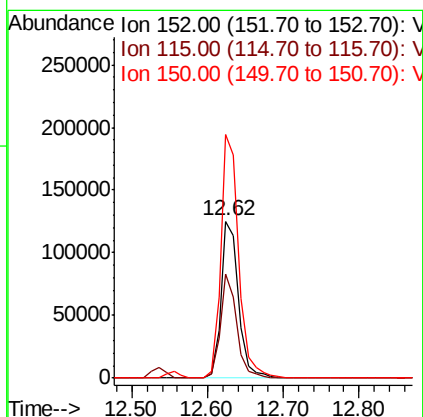
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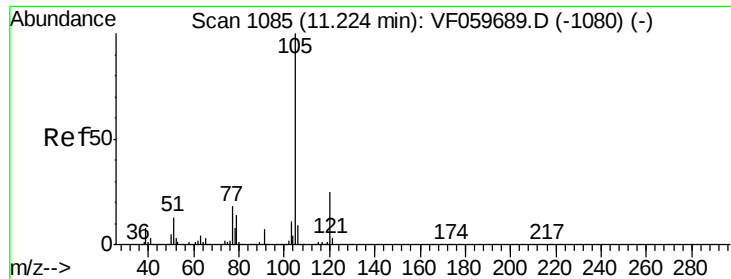
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	66.4	28.2	84.6
150	154.9	0.0	316.2





#73

Isopropylbenzene

Concen: 11.10 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampled :

VSTDIC010

Tot Ion:105 Resp: 153447

Ion Ratio Lower Upper

105 100

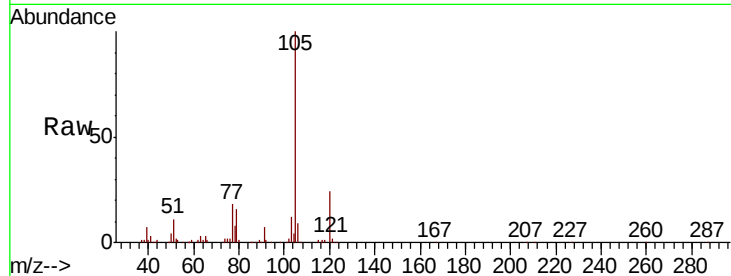
120 23.8 12.4 37.4

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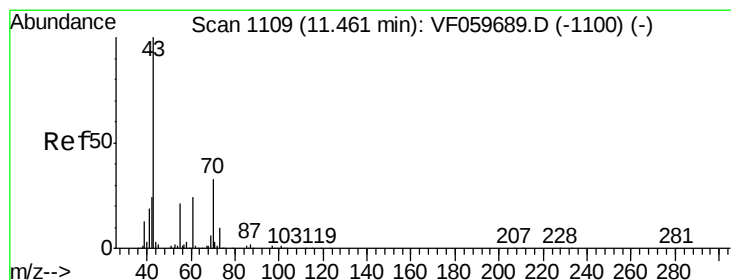
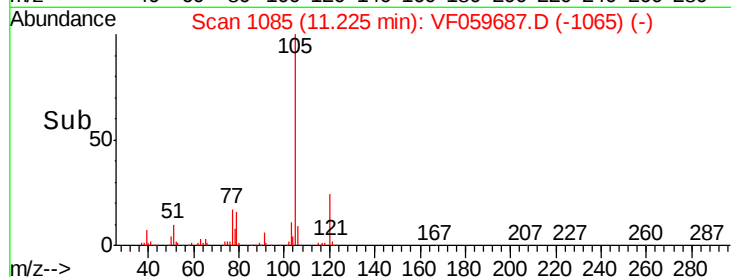
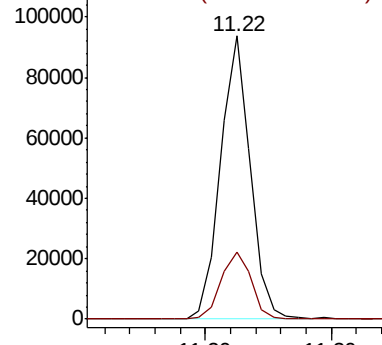
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 11.68 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Tgt Ion: 43 Resp: 33080

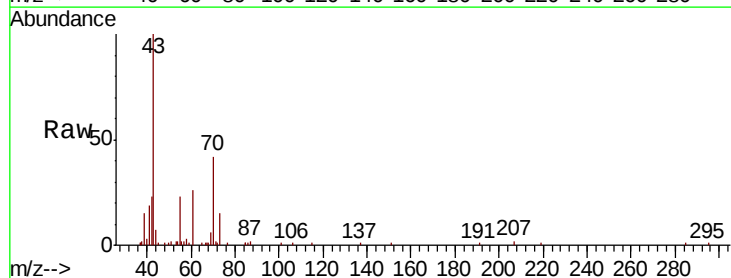
Ion Ratio Lower Upper

43 100

70 42.4 26.3 39.5#

55 23.1 16.6 25.0

61 25.6 19.1 28.7

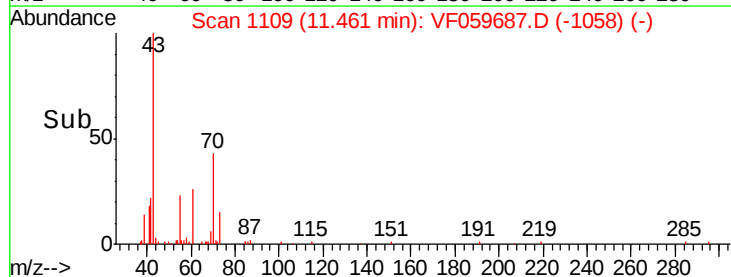
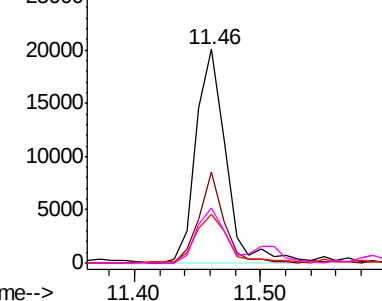


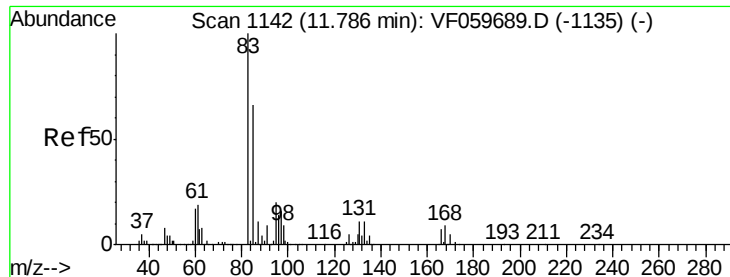
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 12.59 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

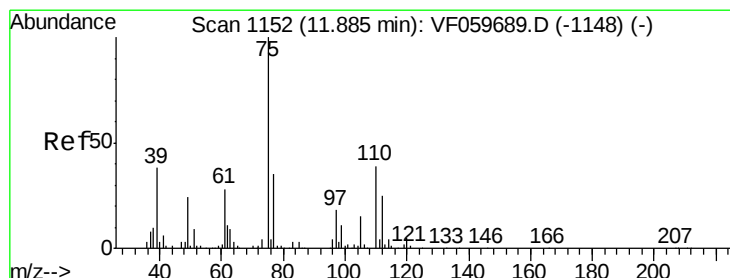
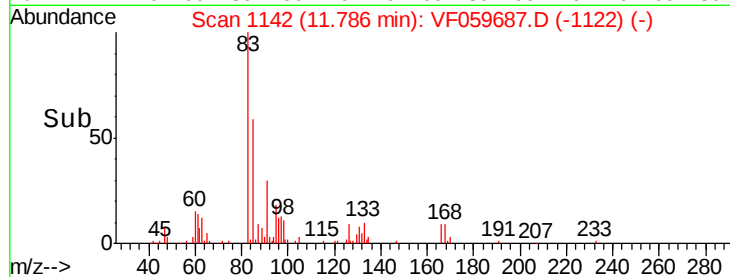
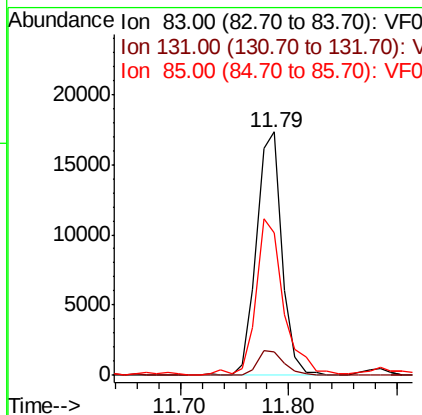
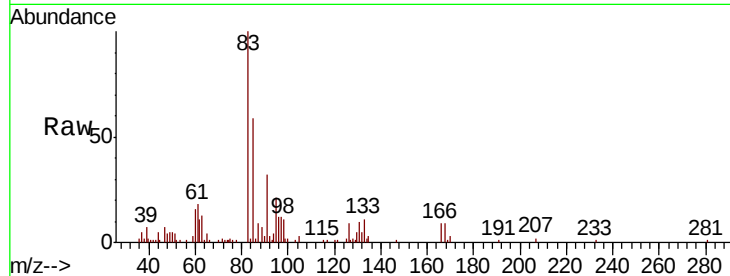
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	28565
Ion Ratio	Lower	Upper	
83	100		
131	9.6	5.8	17.3
85	58.5	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 12.81 ug/l

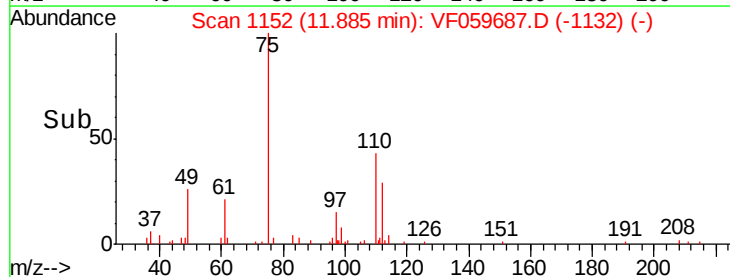
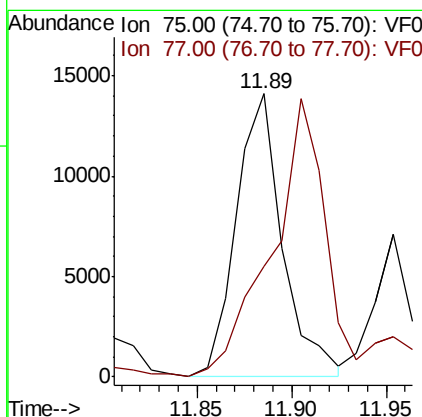
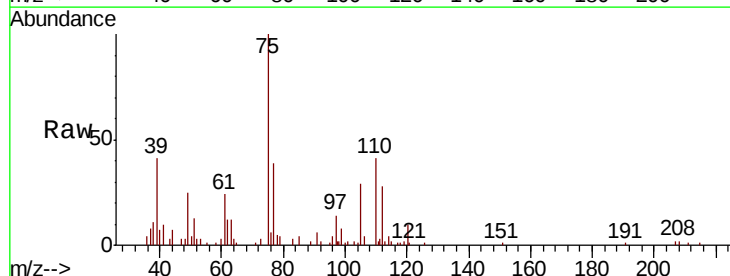
RT: 11.89 min Scan# 1152

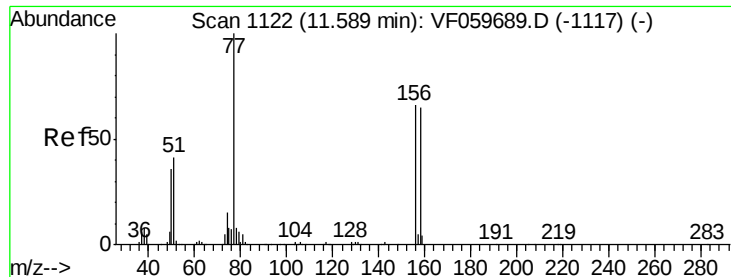
Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Tgt Ion:	75	Resp:	23875
Ion Ratio	Lower	Upper	
75	100		
77	38.8	18.0	54.0





#77

Bromobenzene

Concen: 11.76 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:156 Resp: 39459

Ion Ratio Lower Upper

156 100

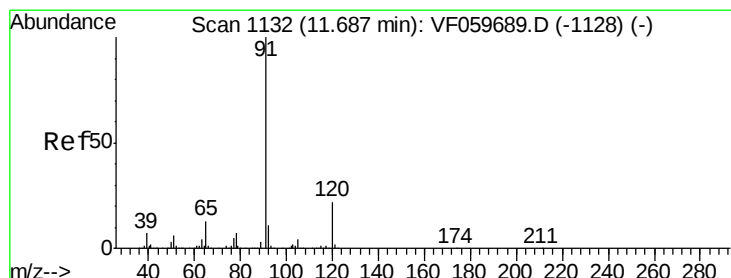
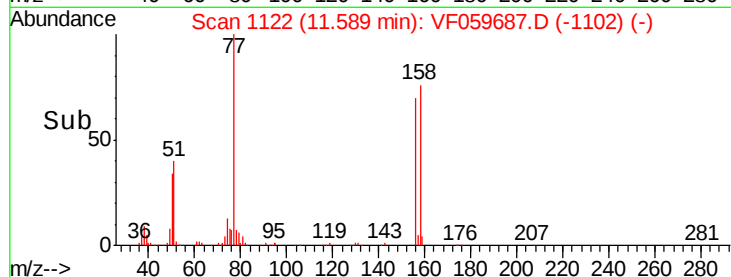
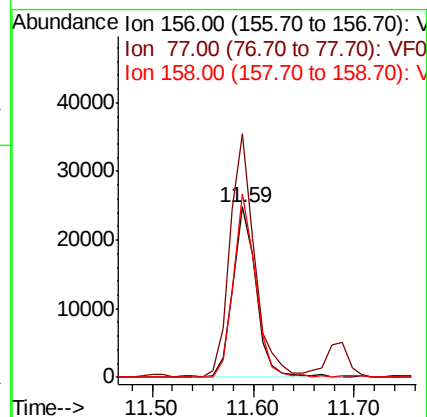
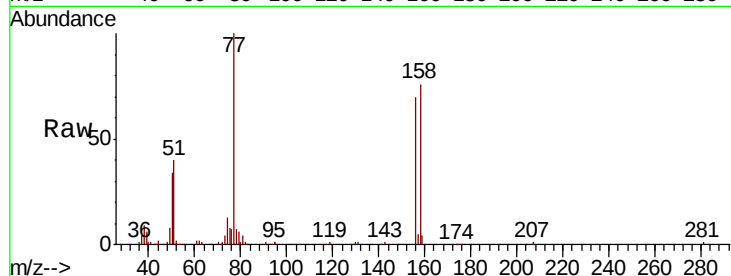
77 143.0 75.2 225.6

158 108.1 49.1 147.3

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#78

n-propylbenzene

Concen: 10.94 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059687.D

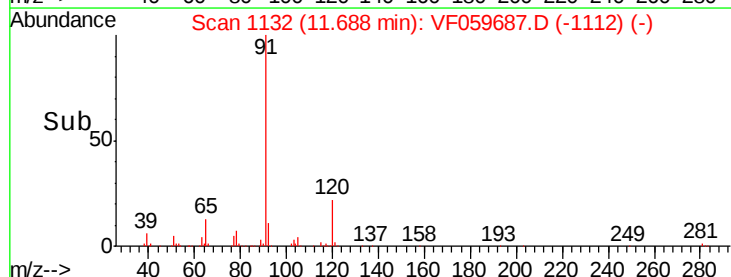
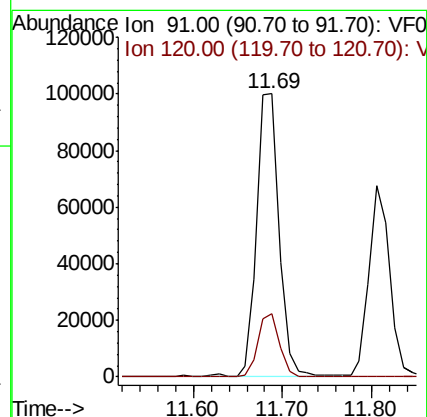
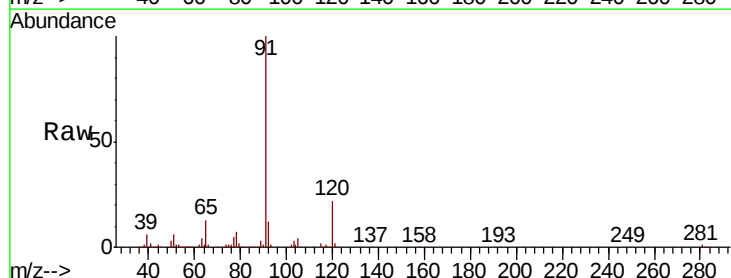
Acq: 30 Jul 2018 14:34

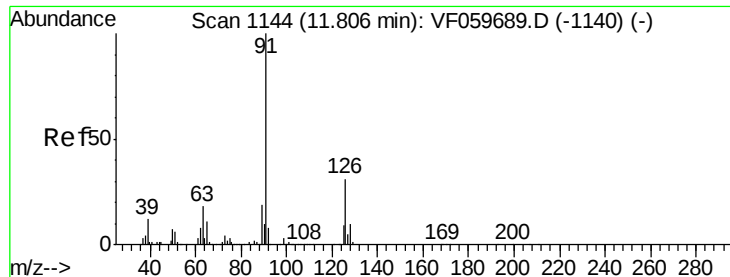
Tgt Ion: 91 Resp: 174261

Ion Ratio Lower Upper

91 100

120 22.2 11.0 33.0





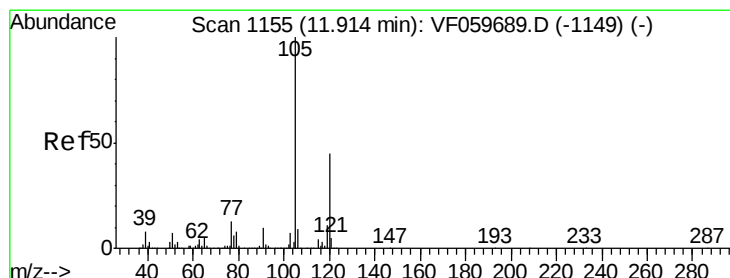
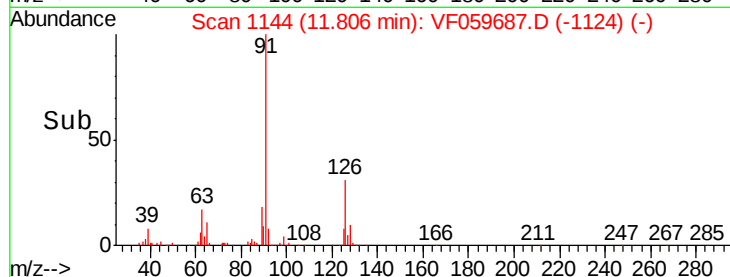
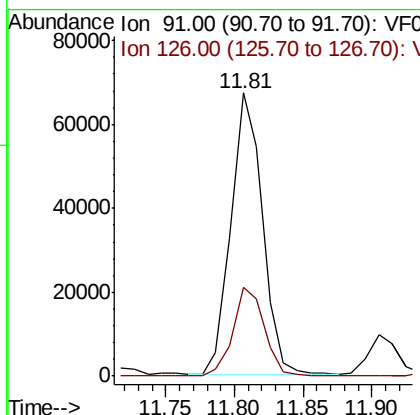
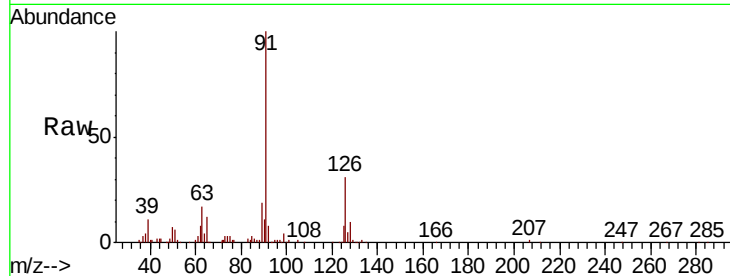
#79
2-Chlorotoluene
Concen: 11.03 ug/l
RT: 11.81 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
126	31.2	15.4	46.2

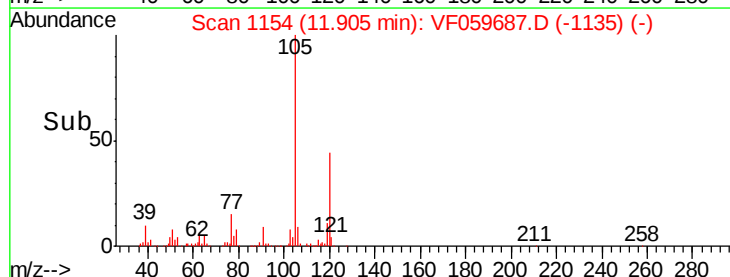
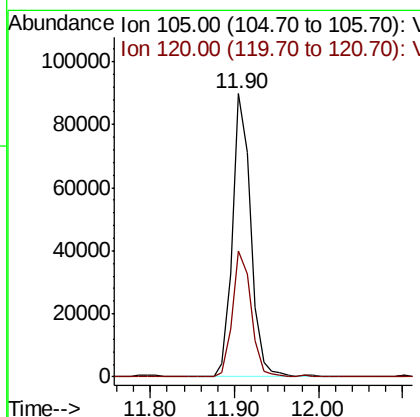
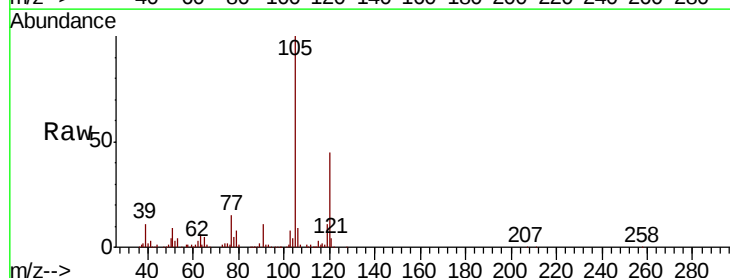
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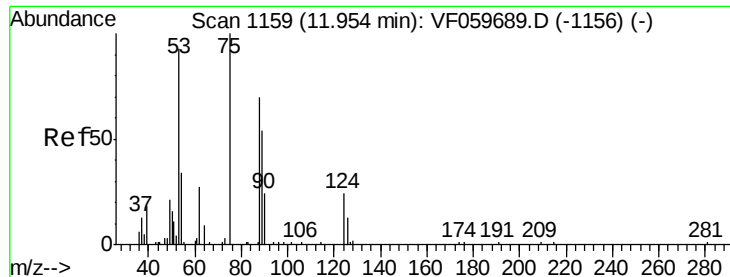
apatel
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#80
1,3,5-Trimethylbenzene
Concen: 11.18 ug/l
RT: 11.90 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.7	68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 10.42 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Instrument :

MSVOA_F

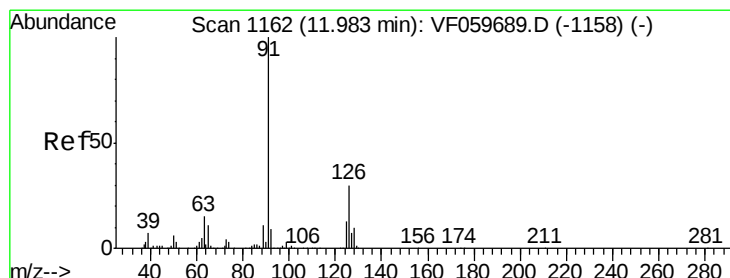
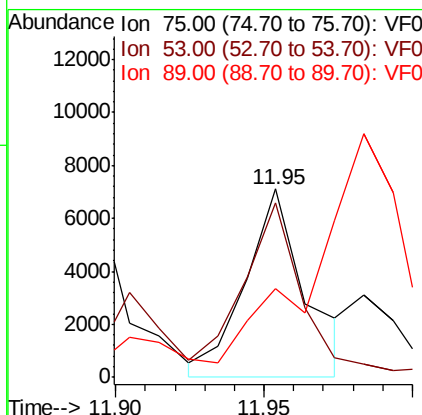
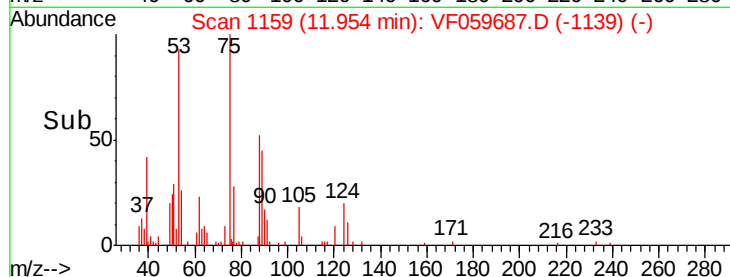
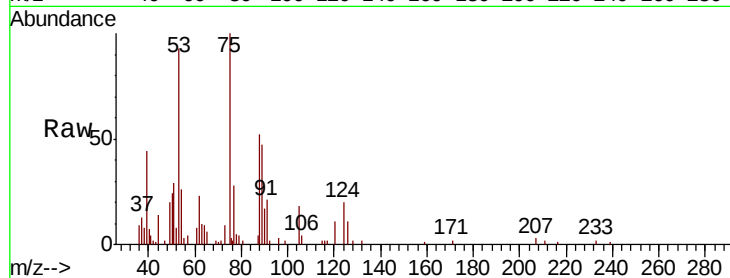
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	10087
Ion Ratio	Lower	Upper	
75	100		
53	92.9	78.3	117.5
89	47.0	45.4	68.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 11.57 ug/l

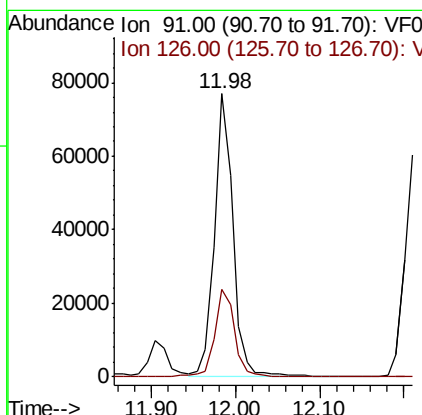
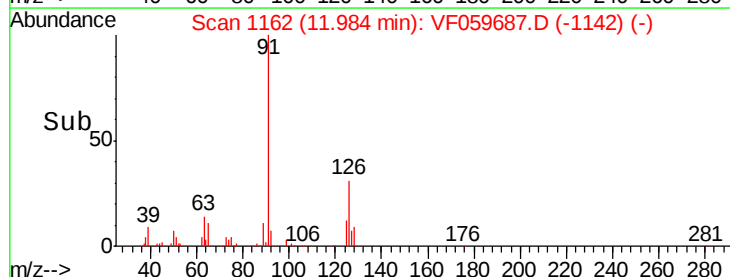
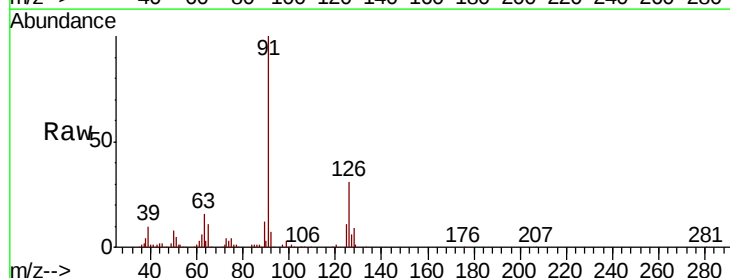
RT: 11.98 min Scan# 1162

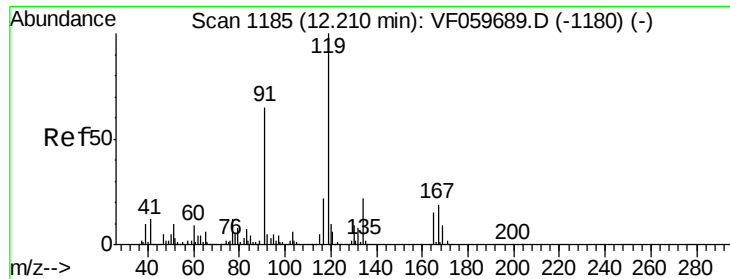
Delta R.T. 0.00 min

Lab File: VF059687.D

Acq: 30 Jul 2018 14:34

Tgt Ion:	91	Resp:	118114
Ion Ratio	Lower	Upper	
91	100		
126	30.7	15.2	45.6





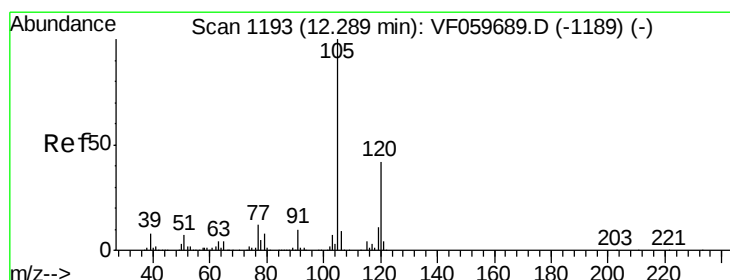
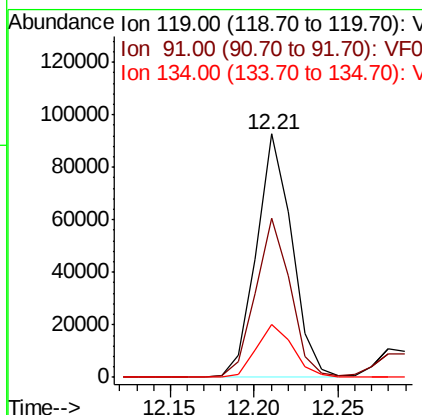
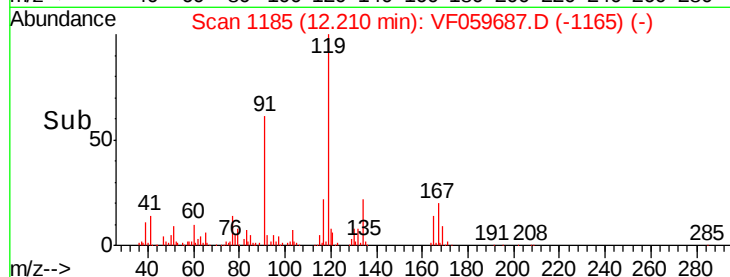
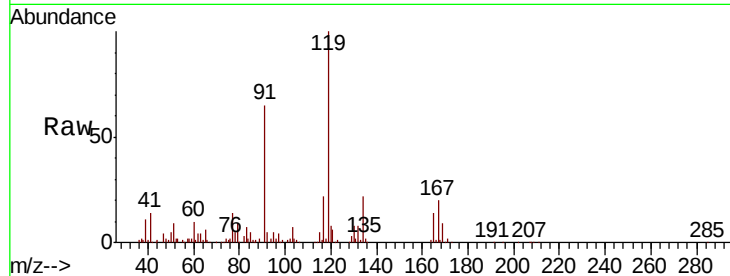
#83
 tert-Butylbenzene
 Concen: 11.09 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.2	32.8	98.4
134	22.0	10.9	32.7

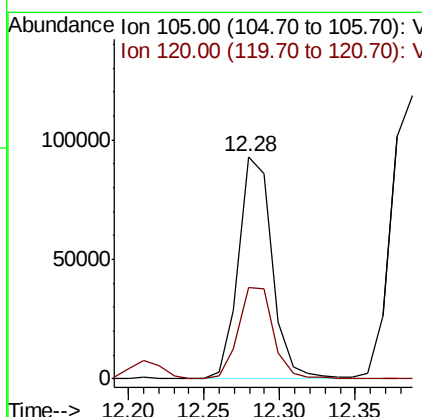
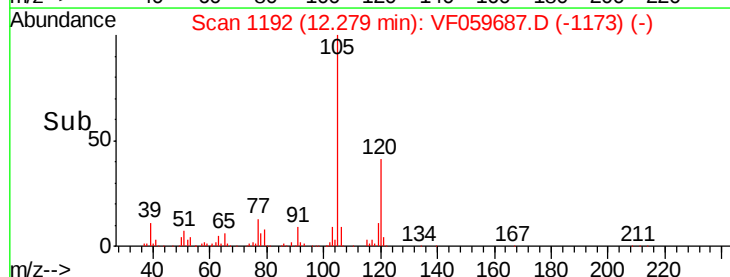
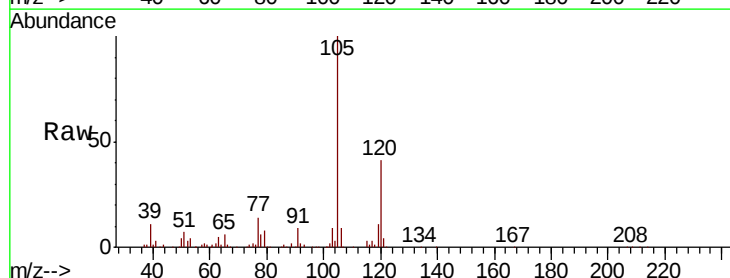
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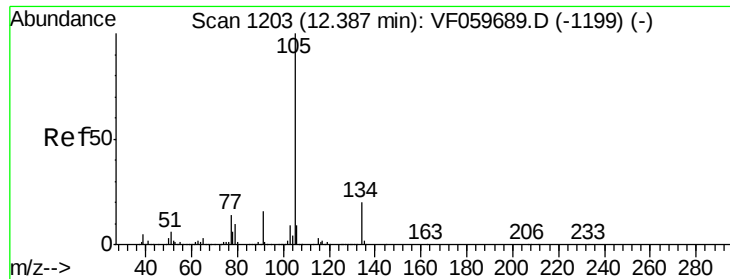
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#84
 1,2,4-Trimethylbenzene
 Concen: 11.55 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.4	21.1	63.3





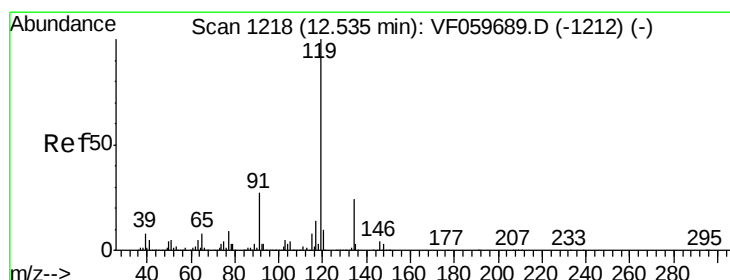
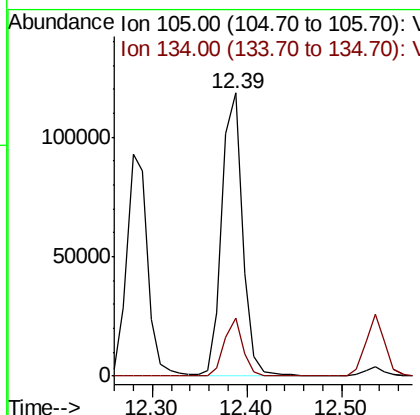
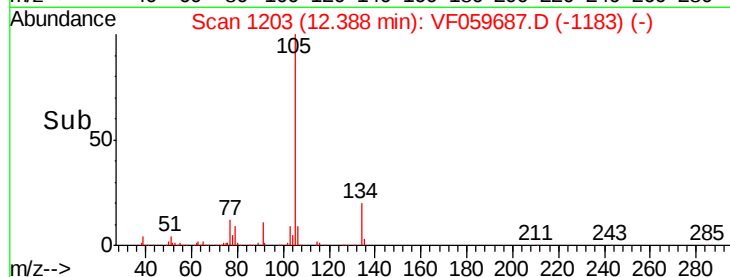
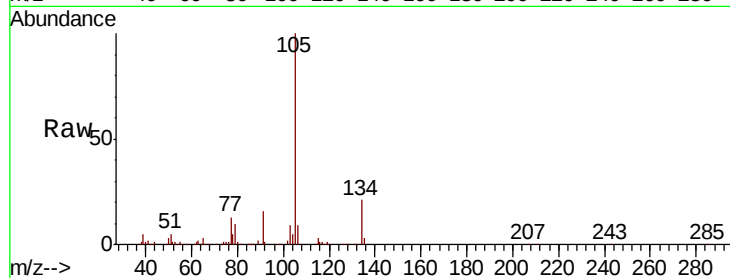
#85
 sec-Butylbenzene
 Concen: 11.23 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	181204		
134	20.6	9.8	29.3	

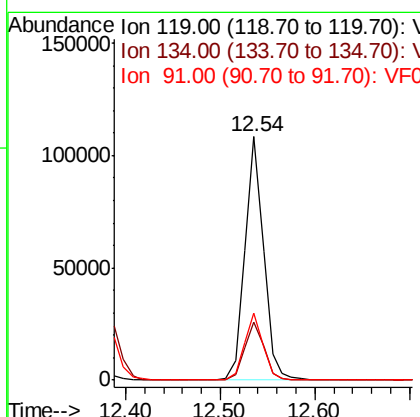
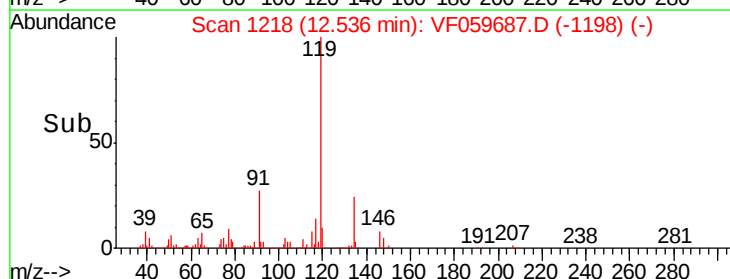
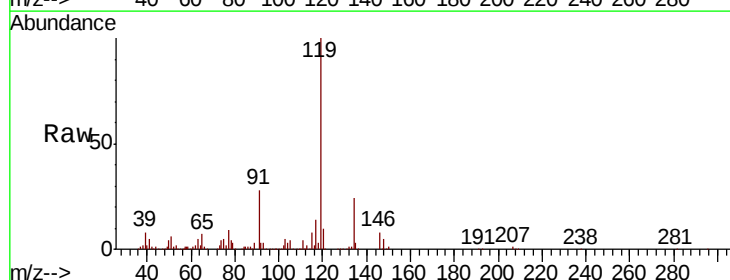
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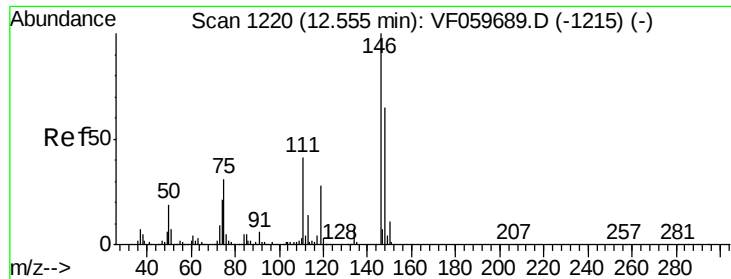
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#86
 p-Isopropyltoluene
 Concen: 10.68 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	148157		
134	24.1	12.2	36.6	
91	27.6	13.4	40.2	





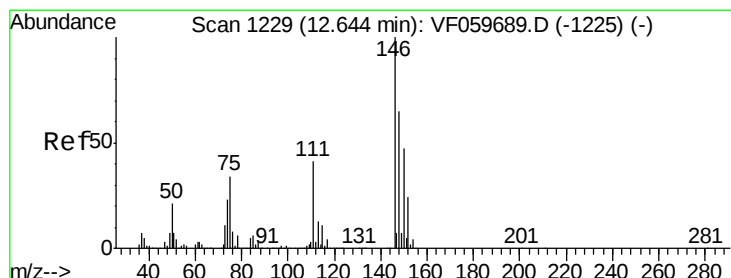
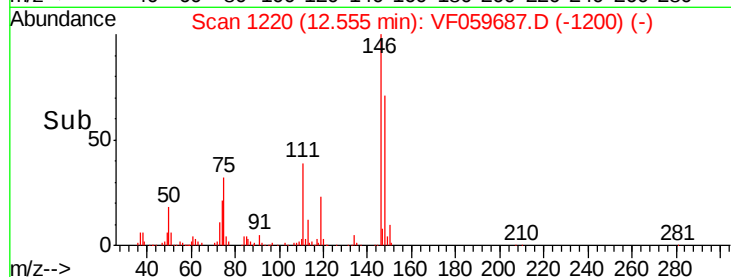
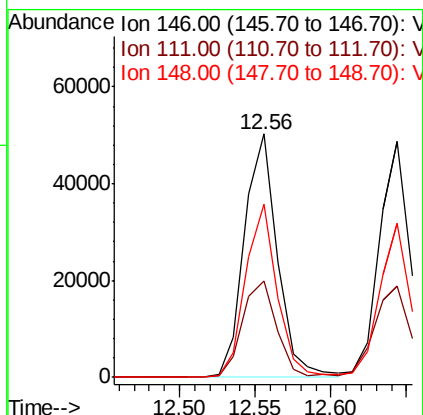
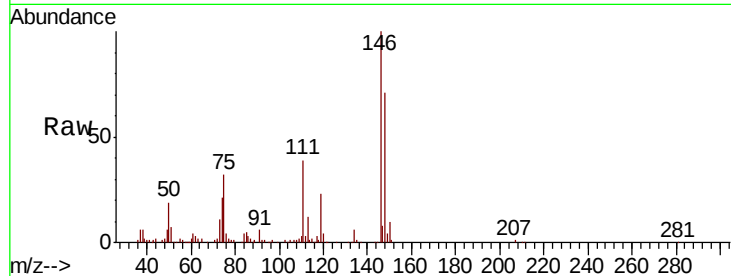
#87
 1,3-Dichlorobenzene
 Concen: 11.73 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.7	62.1
148	71.3	32.3	96.8

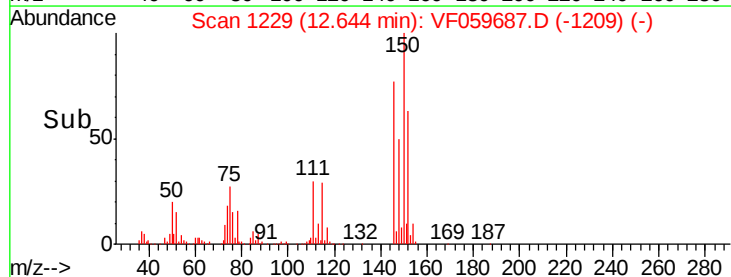
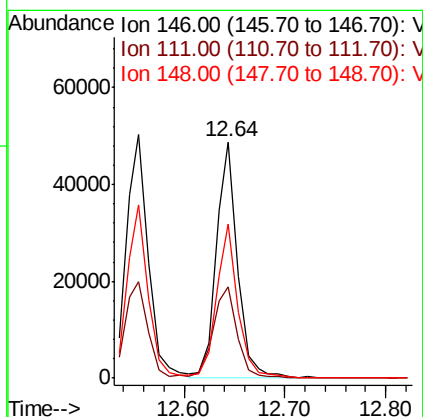
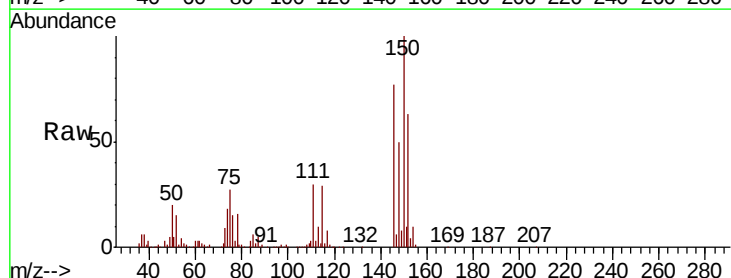
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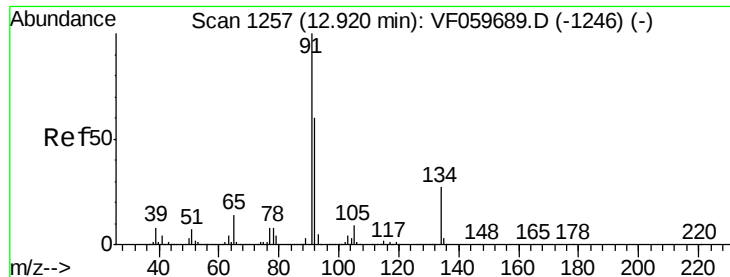
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#88
 1,4-Dichlorobenzene
 Concen: 11.60 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.8	62.2
148	64.9	32.3	96.9





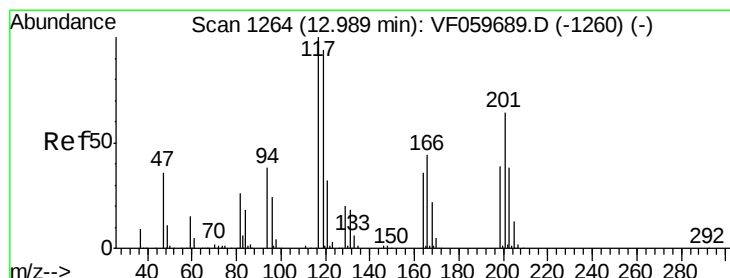
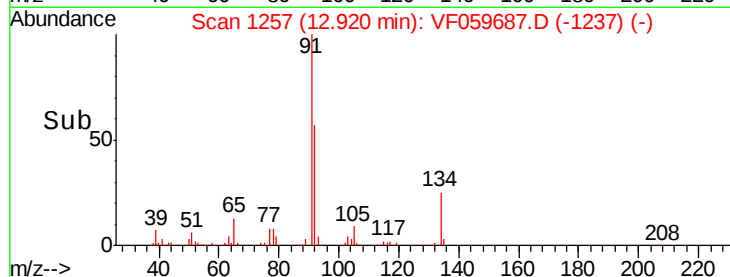
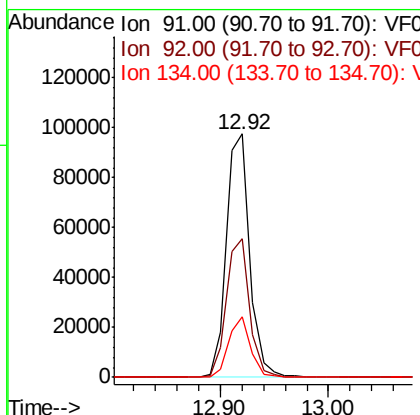
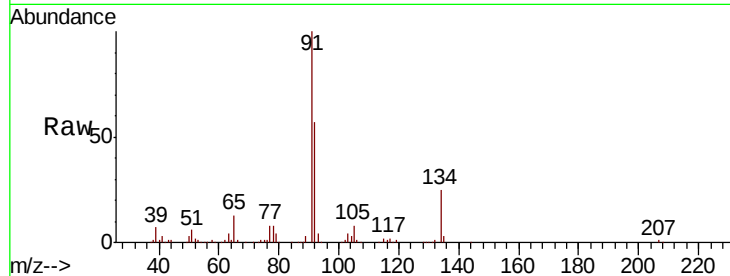
#89
n-Butylbenzene
Concen: 10.94 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.2	30.1	90.3
134	24.8	13.7	41.0

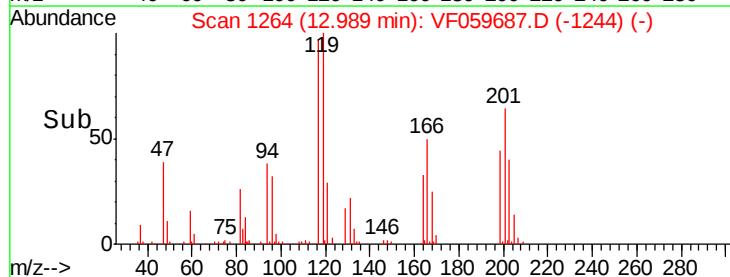
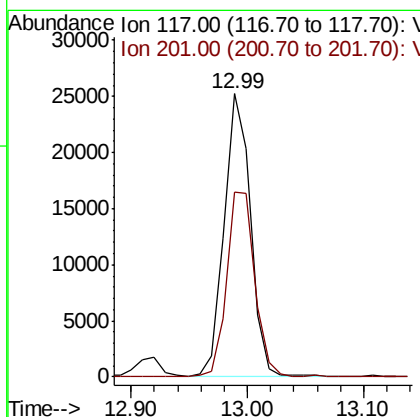
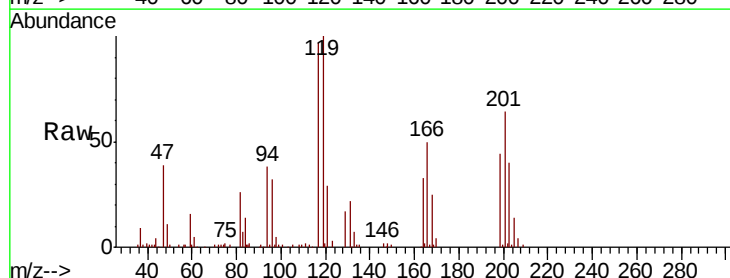
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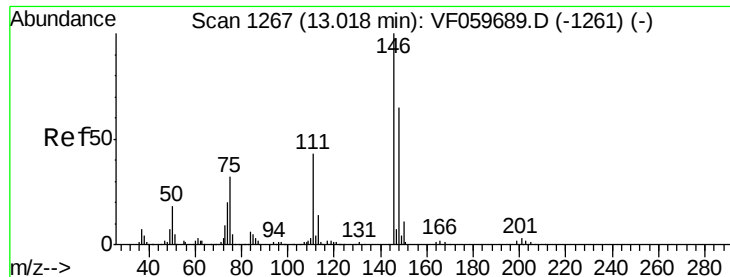
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#90
Hexachloroethane
Concen: 11.21 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.2	31.9	95.5





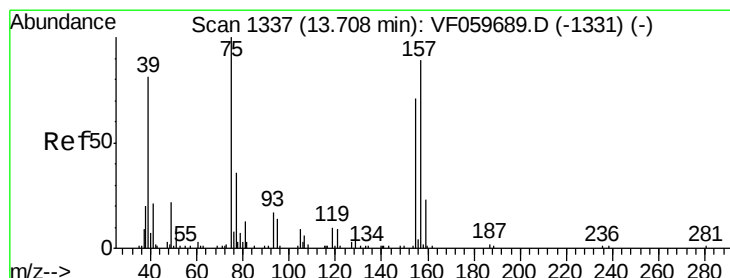
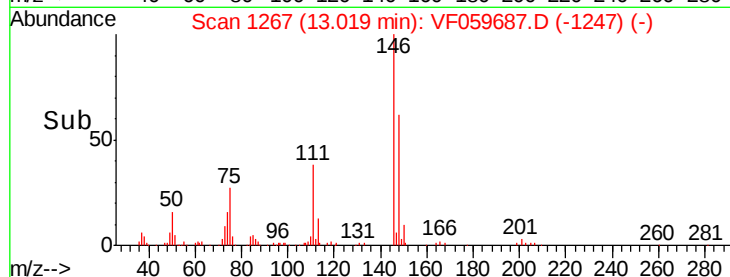
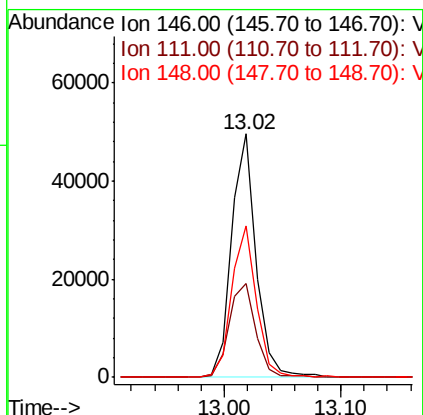
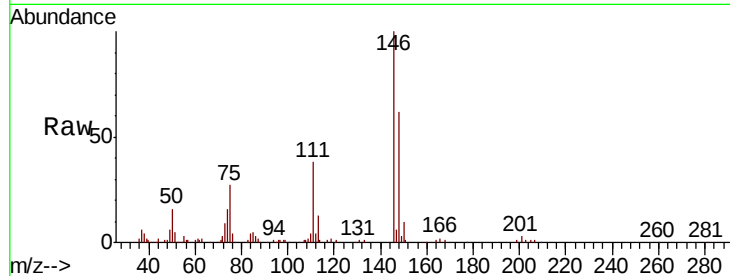
#91
 1,2-Dichlorobenzene
 Concen: 11.90 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	21.6	65.0
148	62.0	32.3	96.9

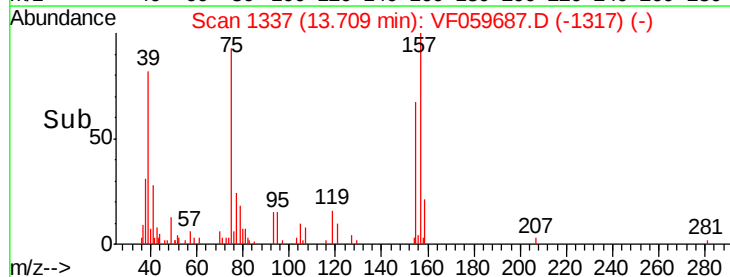
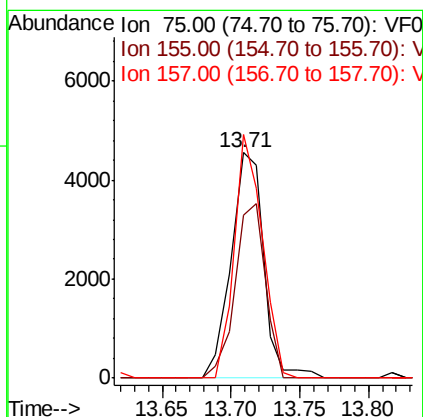
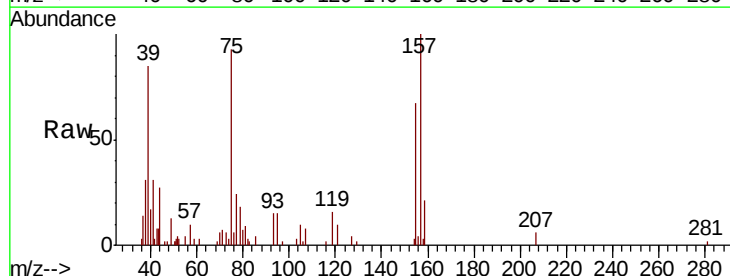
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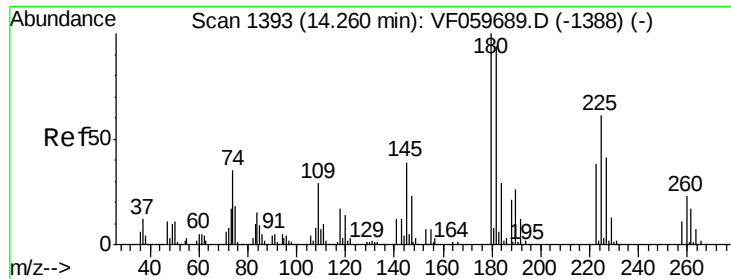
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 13.61 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.6	35.4	106.2
157	107.9	44.4	133.2





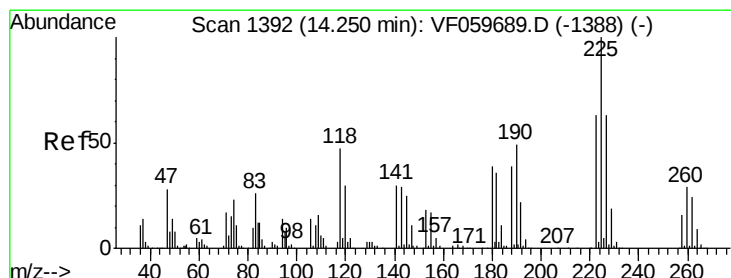
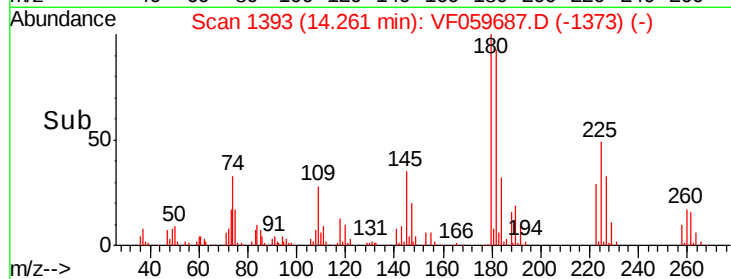
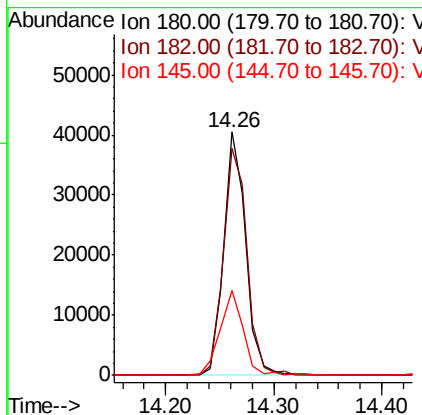
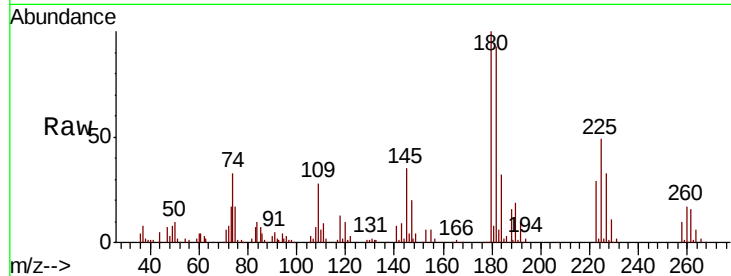
#93
 1,2,4-Trichlorobenzene
 Concen: 11.73 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Instrument :
 MSVOA_F
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.2	141.6
145	35.1	19.3	57.9

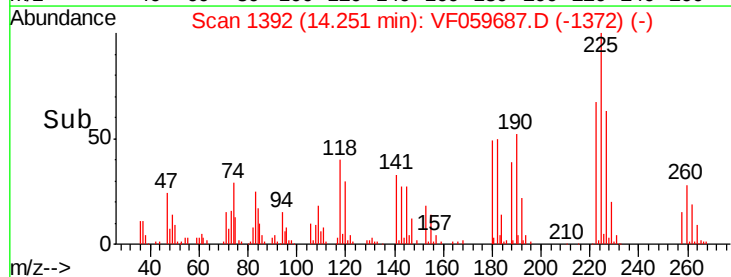
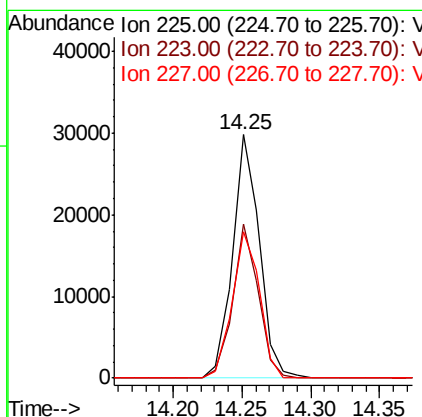
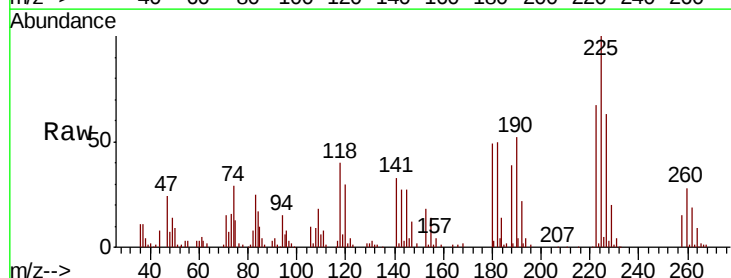
Manual Integrations
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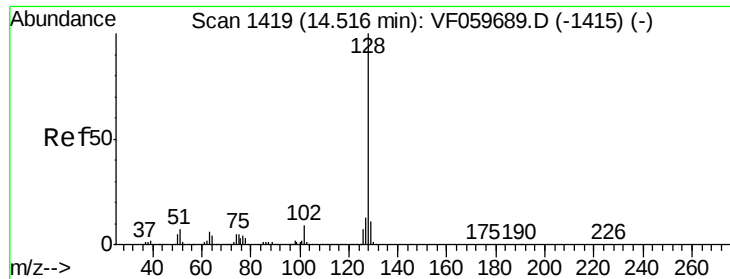
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#94
 Hexachlorobutadiene
 Concen: 11.24 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059687.D
 Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.4	94.2
227	60.2	31.5	94.5





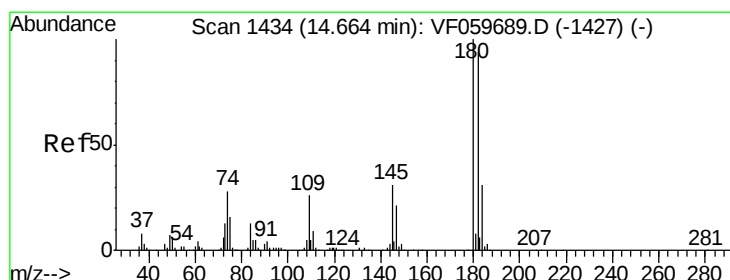
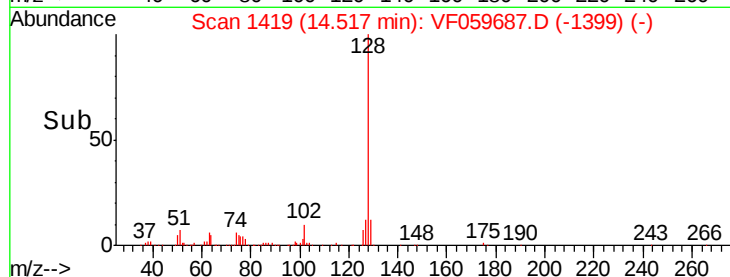
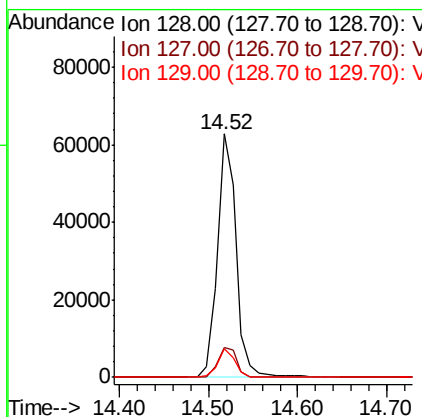
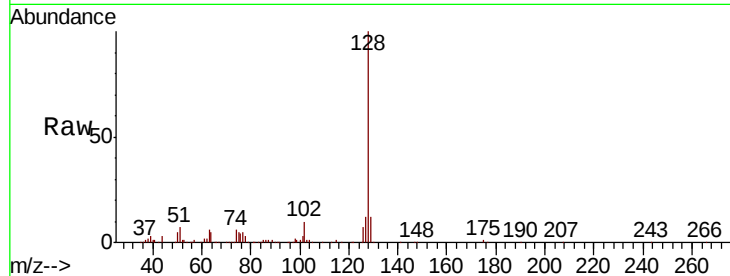
#95
Naphthalene
Concen: 11.86 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.0	15.0
129	11.6	8.6	13.0

Manual Integrations
APPROVED

apatel
7/31/2018 12:12:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 11.99 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059687.D
Acq: 30 Jul 2018 14:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	47.2	141.6
145	29.3	15.6	46.7

