

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059698.D
 Acq On : 30 Jul 2018 20:27
 Operator : VA/AP
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 94 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF073018

Manual Integrations
 APPROVED

apatel
 7/31/2018 12:13:19 PM

Quant Time: Jul 31 05:37:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:19:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	209971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	299947	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	289997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	185458	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	173370	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	
35) Dibromofluoromethane	4.29	113	144061	46.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.48%	
50) Toluene-d8	7.71	98	337434	46.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.90%	
62) 4-Bromofluorobenzene	11.51	95	181430	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	104192	43.38	ug/l	97
3) Chloromethane	1.08	50	62429	51.33	ug/l	96
4) Vinyl Chloride	1.15	62	61138	46.72	ug/l	93
5) Bromomethane	1.34	94	48904	45.36	ug/l	95
6) Chloroethane	1.42	64	38469	48.44	ug/l #	87
7) Trichlorofluoromethane	1.53	101	166441m	42.45	ug/l	
8) Diethyl Ether	1.70	74	29286	43.68	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	1.89	101	87757	42.73	ug/l	96
10) Methyl Iodide	1.96	142	143640	49.62	ug/l #	88
11) Tert butyl alcohol	2.69	59	40444	265.90	ug/l	95
12) 1,1-Dichloroethene	1.85	96	71357	43.88	ug/l	94
13) Acrolein	2.09	56	20565	257.52	ug/l	92
14) Allyl chloride	2.19	41	118315	45.57	ug/l	91
15) Acrylonitrile	3.07	53	64268	263.58	ug/l #	86
16) Acetone	2.33	43	148650	219.00	ug/l	98
17) Carbon Disulfide	1.88	76	160412m	48.01	ug/l	
18) Methyl Acetate	2.44	43	51836	49.11	ug/l	95
19) Methyl tert-butyl Ether	2.54	73	226249	45.63	ug/l	99
20) Methylene Chloride	2.27	84	69210m	46.22	ug/l	
21) trans-1,2-Dichloroethene	2.40	96	68262	47.84	ug/l	95
22) Diisopropyl ether	2.93	45	249304	45.41	ug/l	98
23) Vinyl Acetate	3.33	43	727488	257.73	ug/l	98
24) 1,1-Dichloroethane	2.99	63	173393	45.46	ug/l #	96
25) 2-Butanone	4.50	43	166933	220.37	ug/l #	78
26) 2,2-Dichloropropane	3.75	77	116232	42.75	ug/l	89
27) cis-1,2-Dichloroethene	3.63	96	88135	43.15	ug/l	95
28) Bromochloromethane	3.88	49	66914	50.40	ug/l #	75
29) Tetrahydrofuran	4.25	42	69421	238.45	ug/l	98
30) Chloroform	4.03	83	238358	44.28	ug/l	92
31) Cyclohexane	3.84	56	90159	48.66	ug/l	88
32) 1,1,1-Trichloroethane	4.27	97	181773	43.53	ug/l	100
36) 1,1-Dichloropropene	4.44	75	143484	47.02	ug/l	96
37) Ethyl Acetate	4.29	43	71337	47.42	ug/l #	93
38) Carbon Tetrachloride	4.17	117	202505	42.46	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	111170	47.83	ug/l	94
40) Benzene	4.80	78	273286	45.12	ug/l	98
41) Methacrylonitrile	4.92	41	37523	49.68	ug/l	95
42) 1,2-Dichloroethane	5.11	62	191315	45.13	ug/l	97
43) Isopropyl Acetate	7.10	43	82433	45.96	ug/l #	89
44) Trichloroethene	5.67	130	98448	48.28	ug/l	93
45) 1,2-Dichloropropane	6.39	63	77917	48.71	ug/l	96
46) Dibromomethane	6.25	93	67030	44.14	ug/l	87
47) Bromodichloromethane	6.54	83	190775	46.13	ug/l	99
48) Methyl methacrylate	6.87	41	62402	46.26	ug/l	94
49) 1,4-Dioxane	6.87	88	9265	1064.85	ug/l #	68
51) 4-Methyl-2-Pentanone	8.41	43	329725	241.67	ug/l	96
52) Toluene	7.77	92	189598	46.85	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	157486	43.88	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	165978	47.75	ug/l	97
55) 1,1,2-Trichloroethane	8.63	97	75889	46.26	ug/l	96
56) Ethyl methacrylate	8.75	69	81344	47.55	ug/l	95
57) 1,3-Dichloropropane	9.00	76	132095	46.94	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.77	63	42139	213.33	ug/l	100
59) 2-Hexanone	9.63	43	264453	241.88	ug/l	95
60) Dibromochloromethane	8.86	129	131021	45.26	ug/l	96
61) 1,2-Dibromoethane	9.14	107	87896	45.88	ug/l	95
64) Tetrachloroethene	8.30	164	100067	51.22	ug/l	96
65) Chlorobenzene	9.93	112	255023	43.96	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.07	131	127736	47.16	ug/l	96
67) Ethyl Benzene	10.03	91	455734	45.40	ug/l	98
68) m/p-Xylenes	10.27	106	323547	103.52	ug/l	97
69) o-Xylene	10.82	106	177768	48.07	ug/l	96
70) Styrene	10.90	104	265680	47.42	ug/l	98
71) Bromoform	10.89	173	82961	47.01	ug/l	97
73) Isopropylbenzene	11.22	105	567978	46.68	ug/l	100
74) N-amyl acetate	11.46	43	154507	50.33	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.79	83	111782	48.80	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	89413	45.90	ug/l	99
77) Bromobenzene	11.59	156	144299	45.41	ug/l	95
78) n-propylbenzene	11.69	91	626645	50.27	ug/l	98
79) 2-Chlorotoluene	11.81	91	394804	50.32	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	490598	50.80	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	39716m	49.23	ug/l	
82) 4-Chlorotoluene	11.98	91	416362	49.62	ug/l	99
83) tert-Butylbenzene	12.21	119	500920	45.86	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	492276	50.29	ug/l	98
85) sec-Butylbenzene	12.39	105	639110	51.59	ug/l	99
86) p-Isopropyltoluene	12.54	119	566961	52.61	ug/l	99
87) 1,3-Dichlorobenzene	12.56	146	268548	51.80	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	262624	49.97	ug/l	98
89) n-Butylbenzene	12.92	91	525028	51.19	ug/l	99
90) Hexachloroethane	12.99	117	143566	46.78	ug/l	100
91) 1,2-Dichlorobenzene	13.02	146	267914	53.04	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.71	75	28080	50.15	ug/l	98

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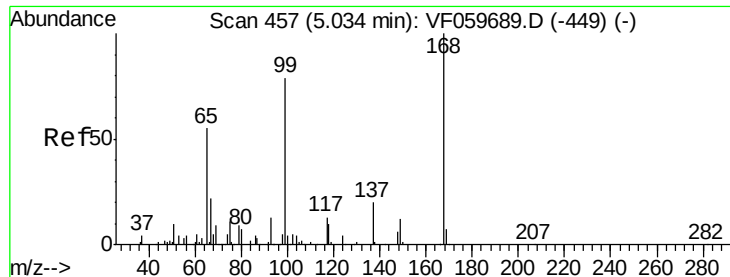
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	216358	53.94	µg/l	96
94) Hexachlorobutadiene	14.25	225	147478	48.48	µg/l	97
95) Naphthalene	14.52	128	406307	50.81	µg/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	209016	47.29	µg/l	99

(#) = 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

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

ICVVF073018

Tot Ion:168 Resp: 209971

Ion Ratio Lower Upper

168 100

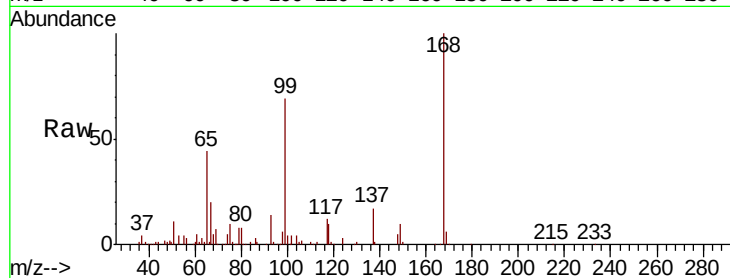
99 68.9 63.3 94.9

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

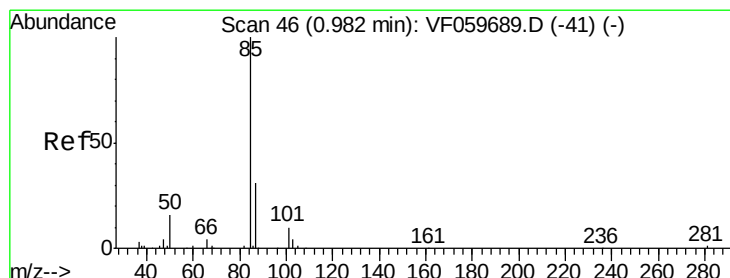
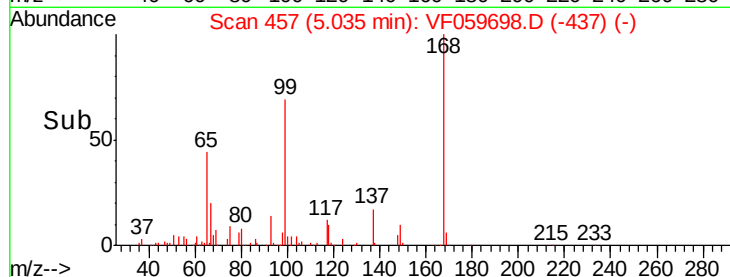
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 43.38 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059698.D

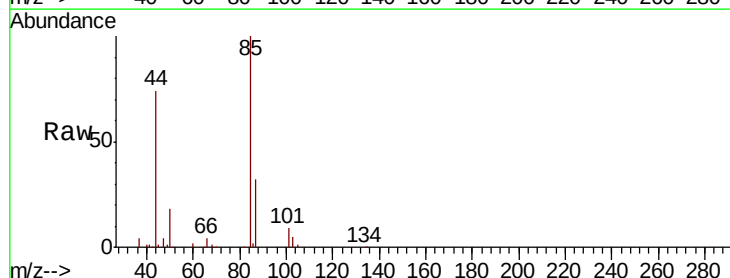
Acq: 30 Jul 2018 20:27

Tgt Ion: 85 Resp: 104192

Ion Ratio Lower Upper

85 100

87 32.2 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

40000

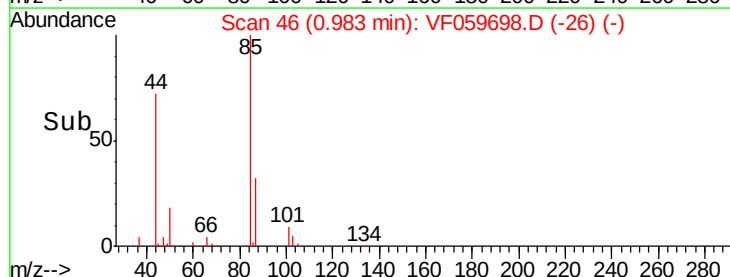
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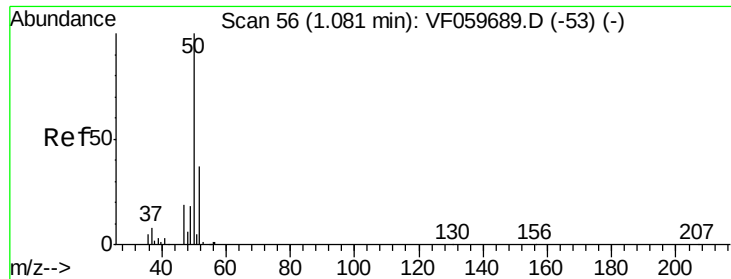
20000

10000

0

Time-->





#3

Chloromethane

Concen: 51.33 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

ICVVF073018

Tot Ion: 50 Resp: 62429

Ion Ratio Lower Upper

50 100

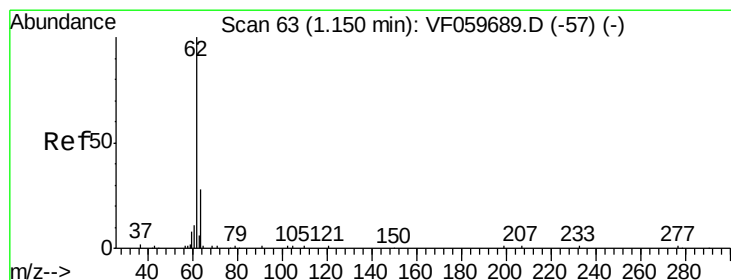
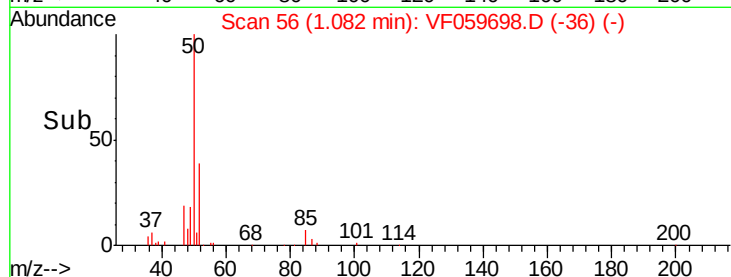
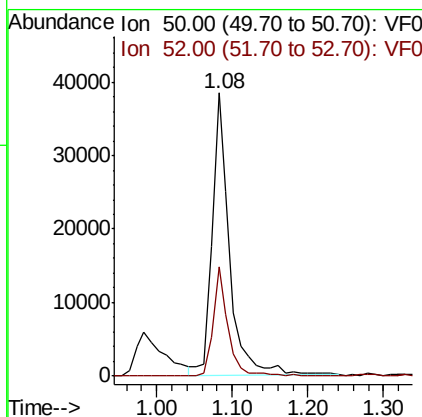
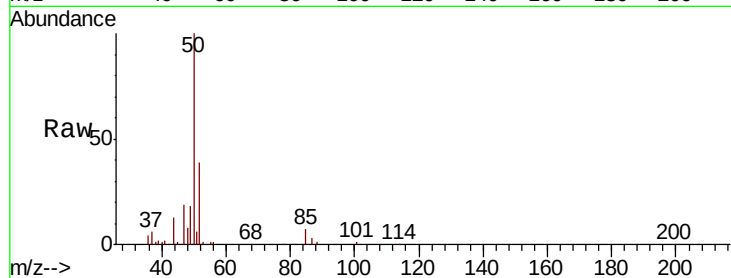
52 38.5 29.1 43.7

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#4

Vinyl Chloride

Concen: 46.72 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059698.D

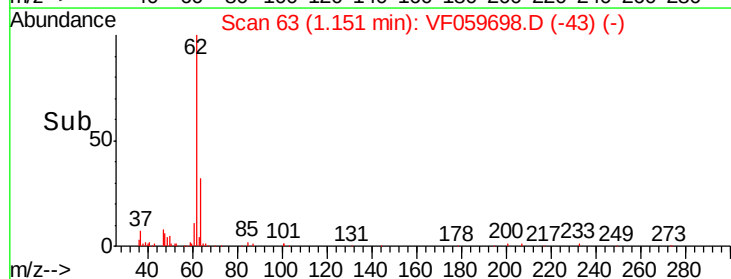
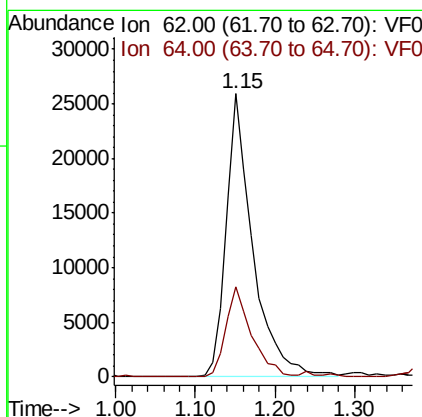
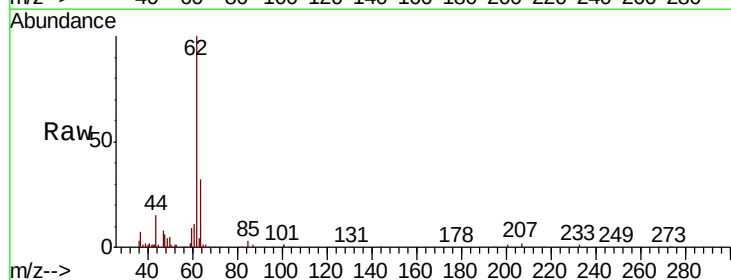
Acq: 30 Jul 2018 20:27

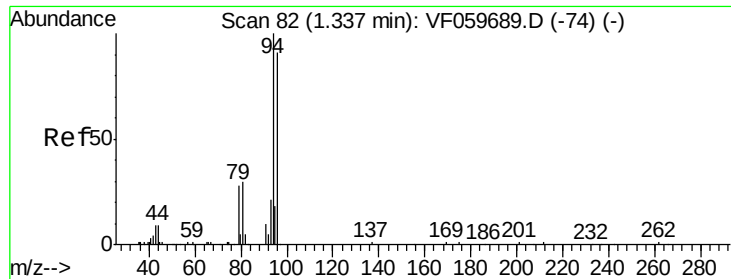
Tgt Ion: 62 Resp: 61138

Ion Ratio Lower Upper

62 100

64 31.7 22.6 33.8





#5

Bromomethane

Concen: 45.36 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

ICVVF073018

Tot Ion: 94 Resp: 48904

Ion Ratio Lower Upper

94 100

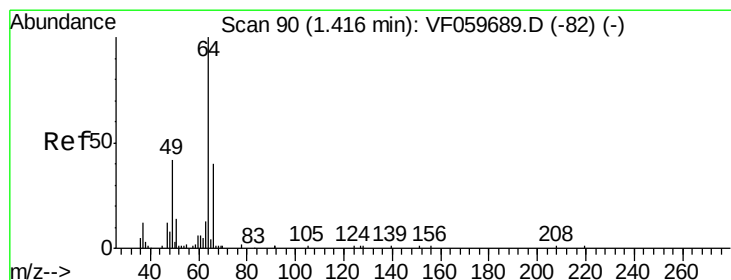
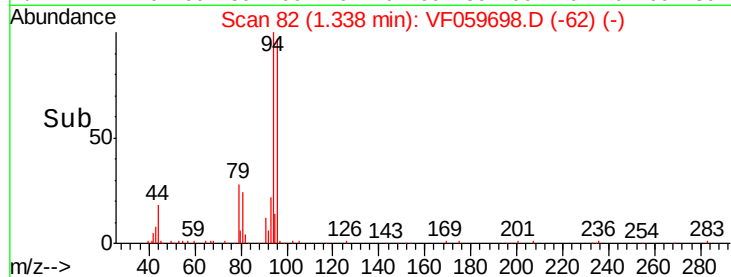
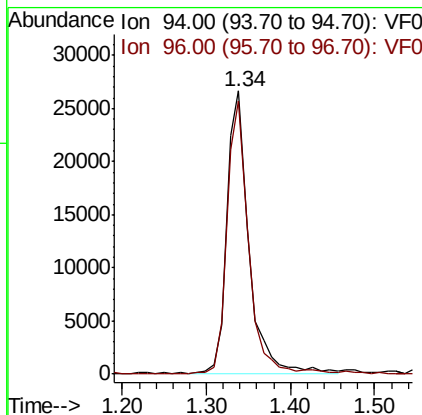
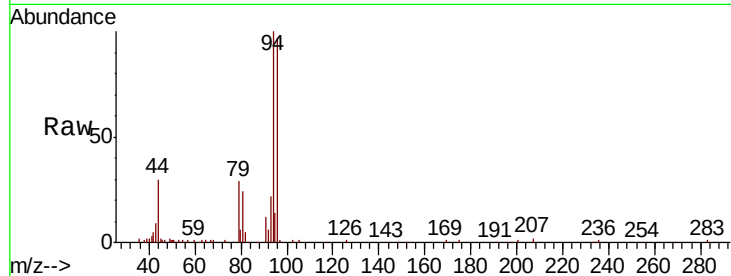
96 96.7 73.6 110.4

Manual Integrations

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7/31/2018 12:13:19 PM



#6

Chloroethane

Concen: 48.44 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059698.D

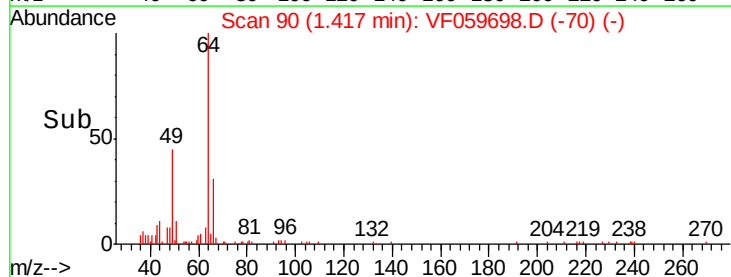
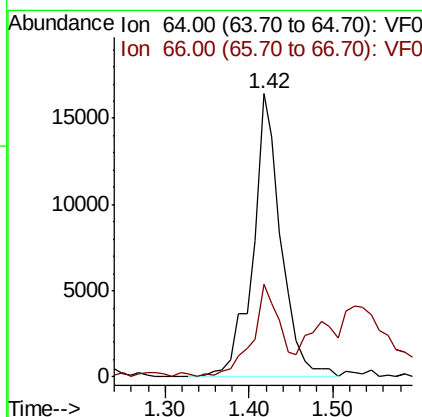
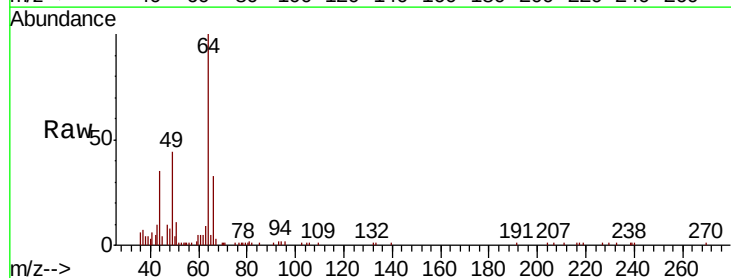
Acq: 30 Jul 2018 20:27

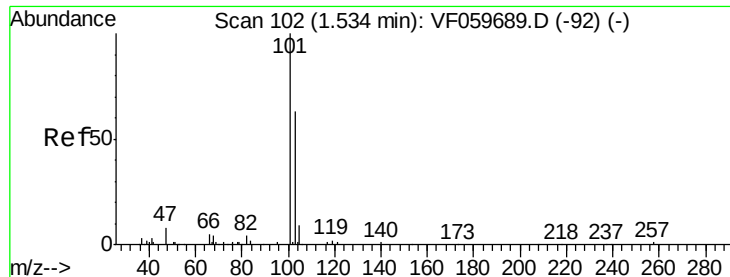
Tgt Ion: 64 Resp: 38469

Ion Ratio Lower Upper

64 100

66 32.5 32.6 49.0#





#7

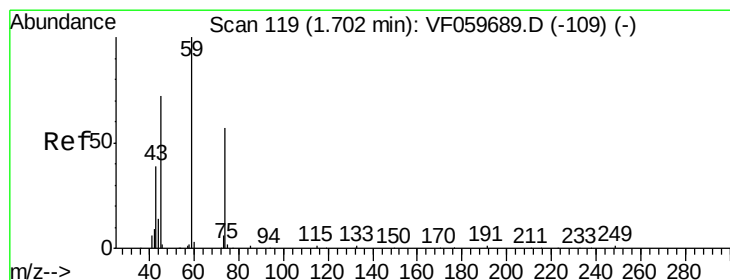
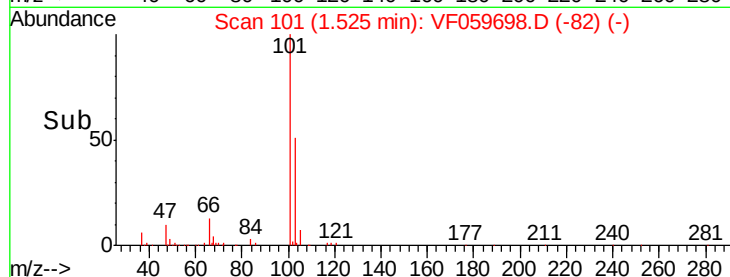
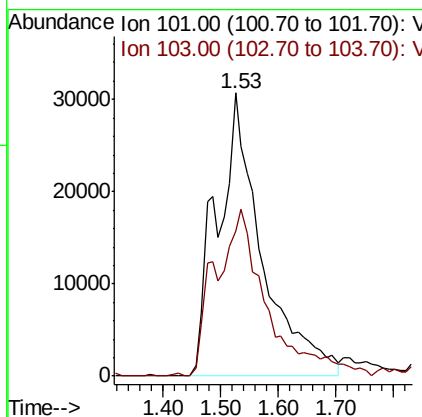
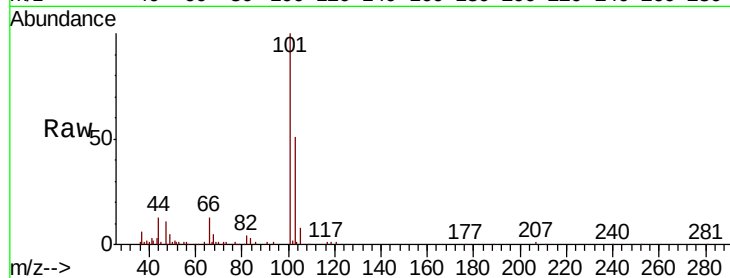
Trichlorofluoromethane
Concen: 42.45 ug/l m
RT: 1.53 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF059698.D
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	51.3	50.8	76.2

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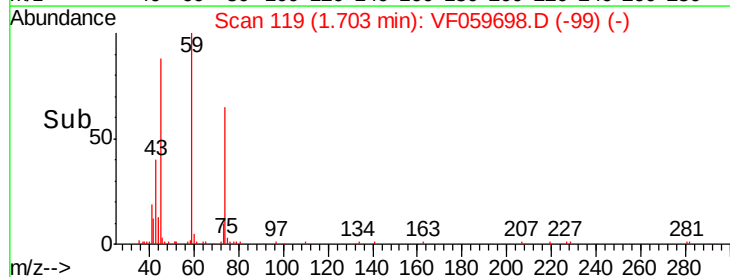
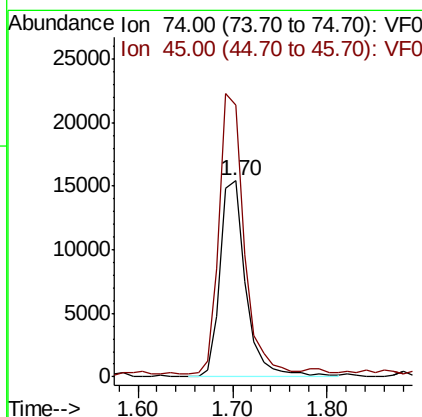
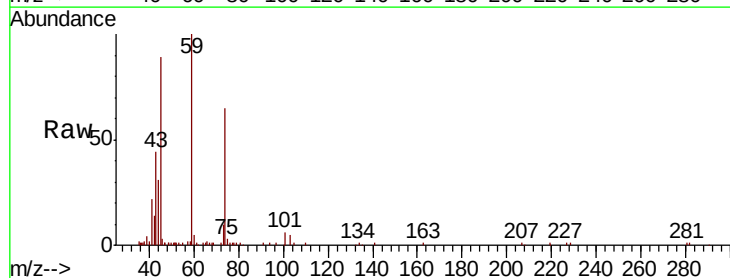
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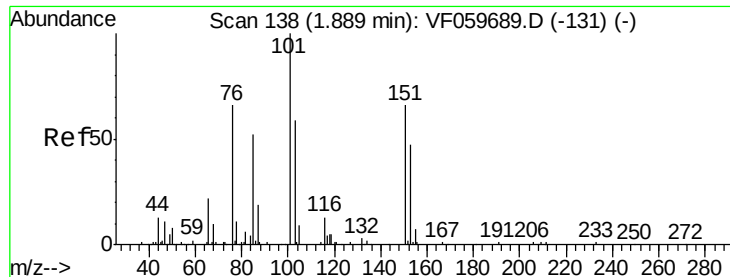


#8

Diethyl Ether
Concen: 43.68 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	138.4	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.73 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

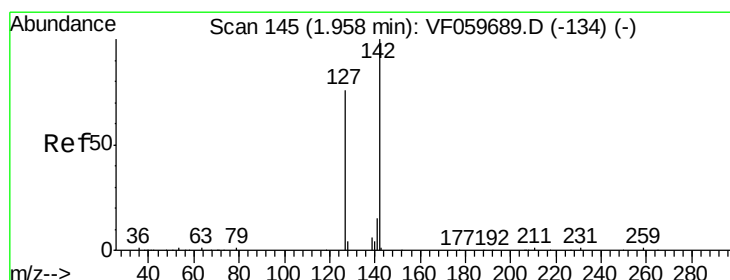
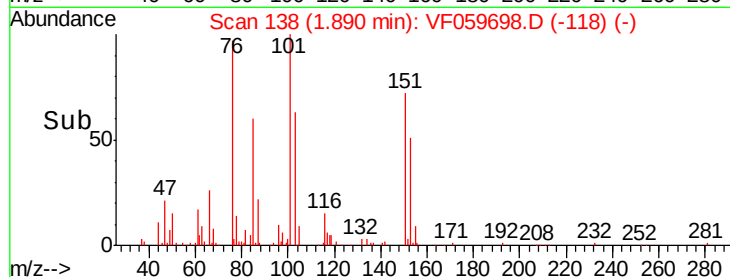
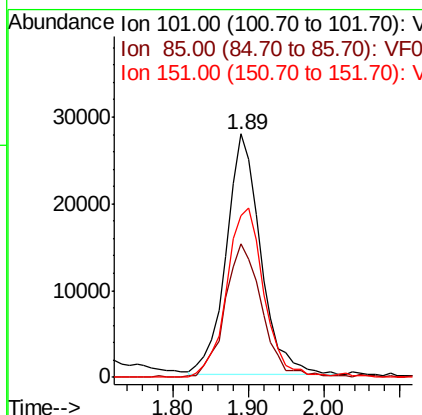
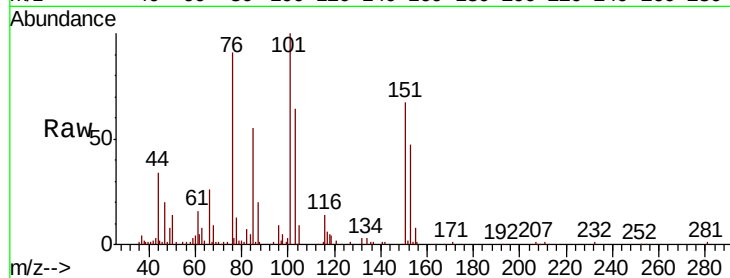
ClientSampleId :

ICVVF073018

Tot Ion:	101	Resp:	87757
Ion Ratio	Lower	Upper	
101	100		
85	55.0	40.7	61.1
151	66.5	51.4	77.2

Manual Integrations
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#10

Methyl Iodide

Concen: 49.62 ug/l

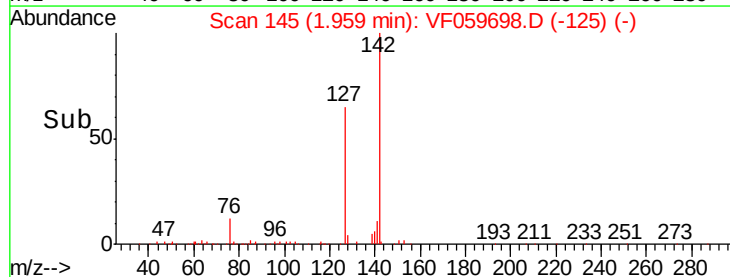
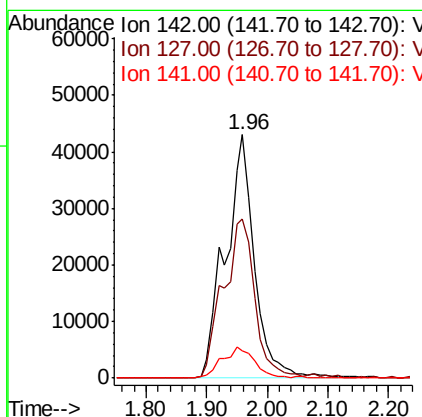
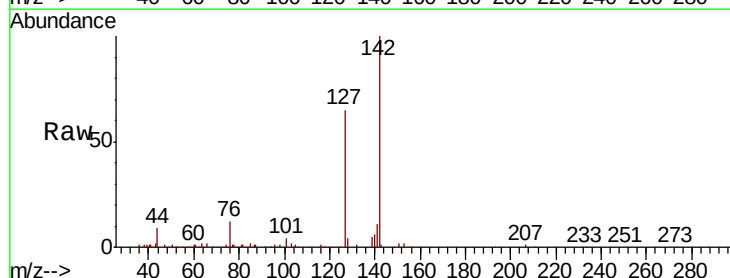
RT: 1.96 min Scan# 145

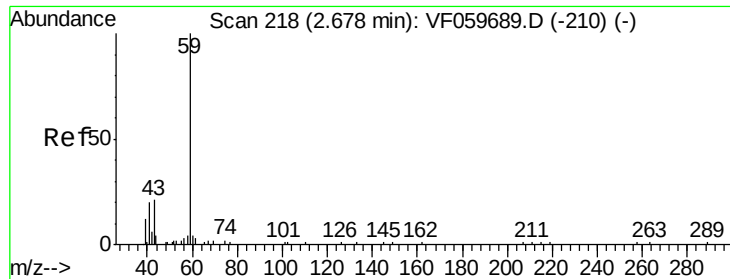
Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Tgt Ion:	142	Resp:	143640
Ion Ratio	Lower	Upper	
142	100		
127	65.5	60.6	91.0
141	11.2	12.0	18.0#





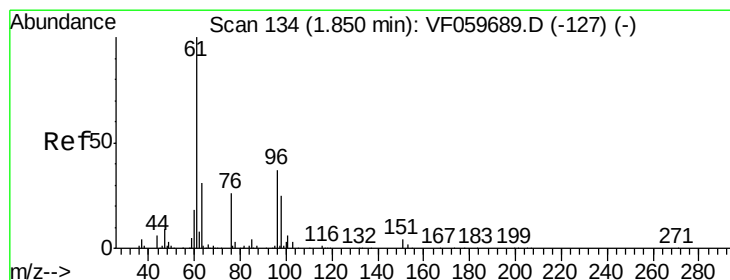
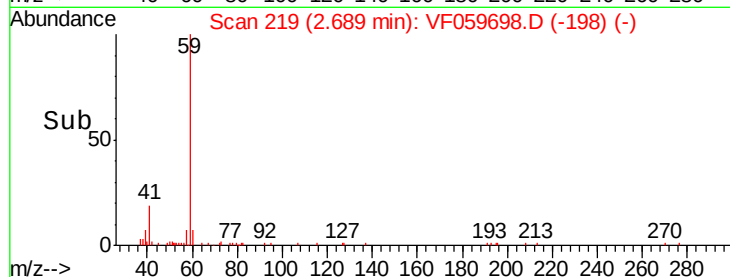
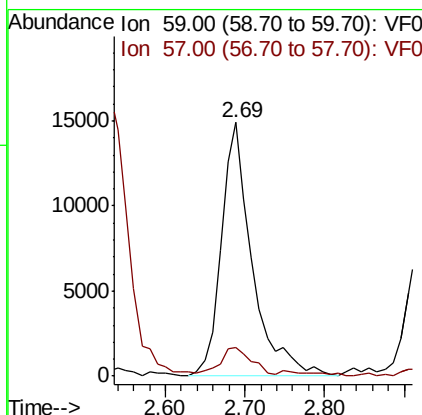
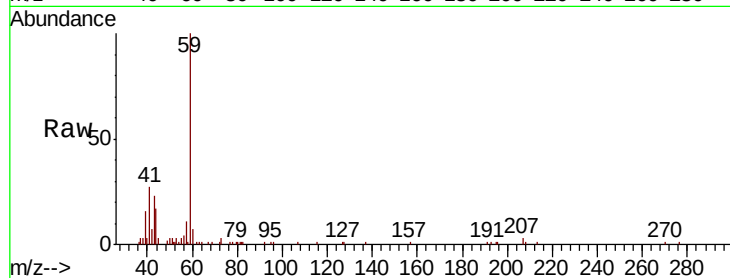
#11
Tert butyl alcohol
Concen: 265.90 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :
ICVVF073018

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.2	7.6	11.4

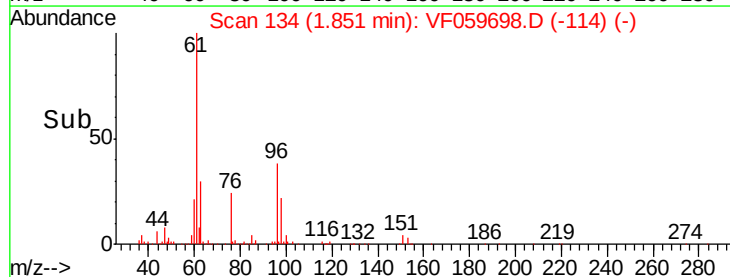
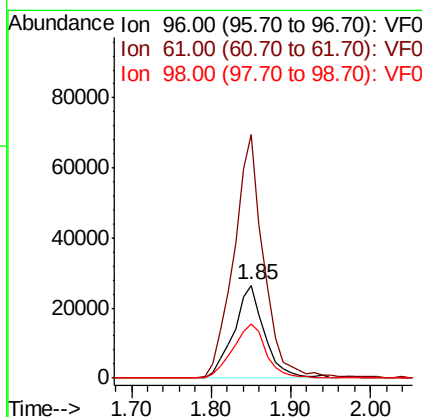
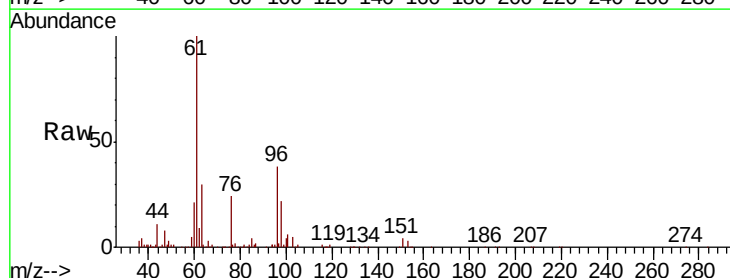
Manual Integrations
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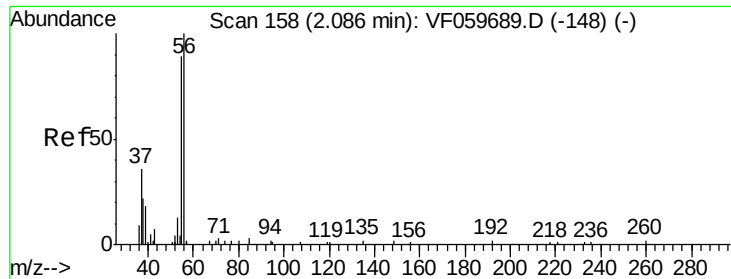
apatel
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#12
1,1-Dichloroethene
Concen: 43.88 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	261.4	215.1	322.7
98	58.7	54.3	81.5





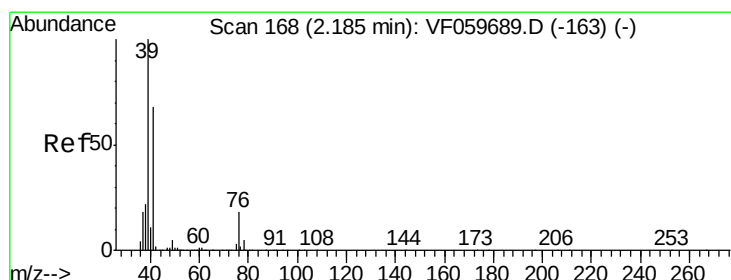
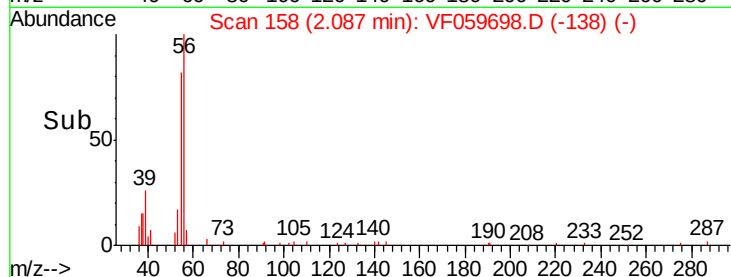
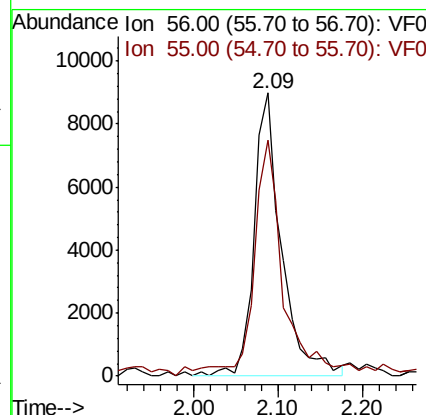
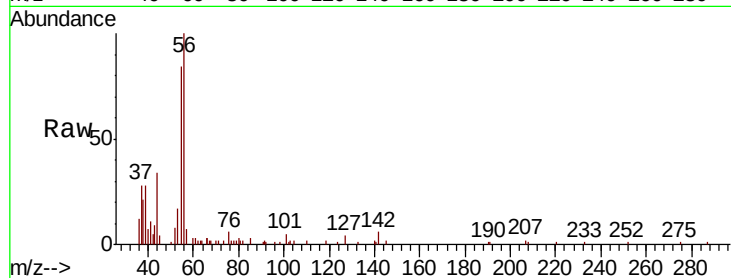
#13
Acrolein
Concen: 257.52 ug/l
RT: 2.09 min Scan# 158
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :
ICVVF073018

Tot Ion	Ratio	Lower	Upper
56	100		
55	83.6	73.2	109.8

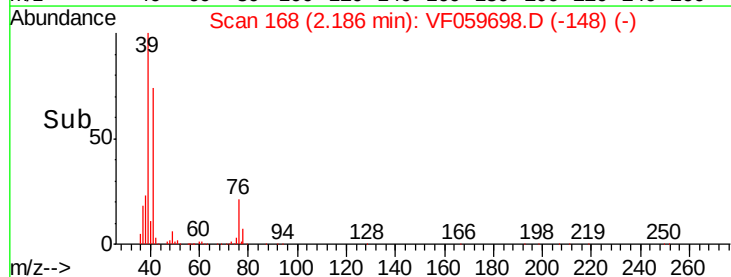
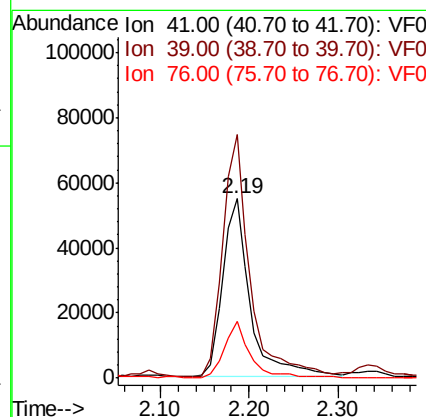
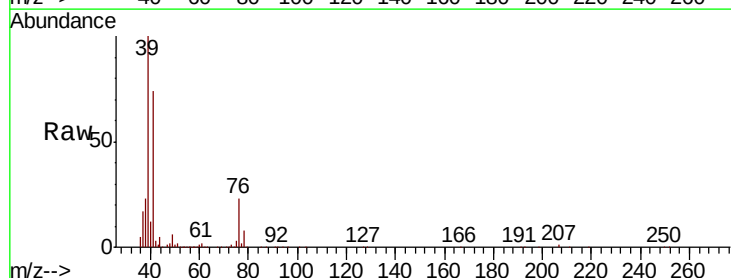
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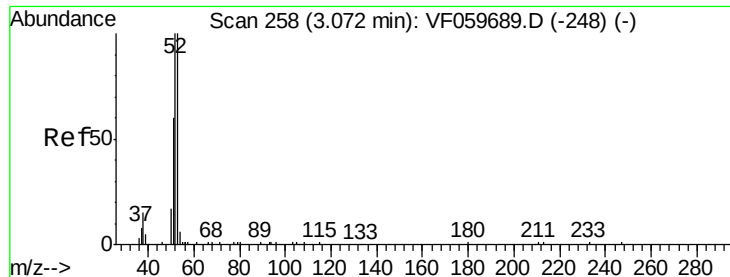
apatel
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#14
Allyl chloride
Concen: 45.57 ug/l
RT: 2.19 min Scan# 168
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
41	100		
39	135.8	118.1	177.1
76	31.5	22.0	33.0





#15

Acrylonitrile

Concen: 263.58 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

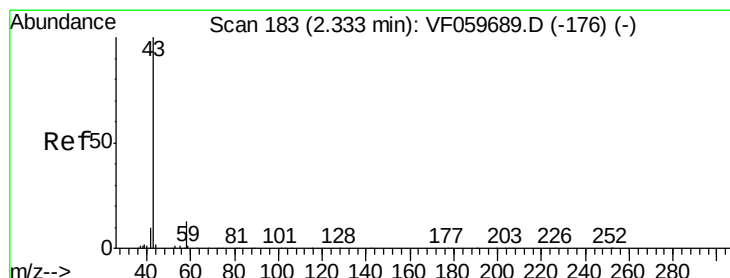
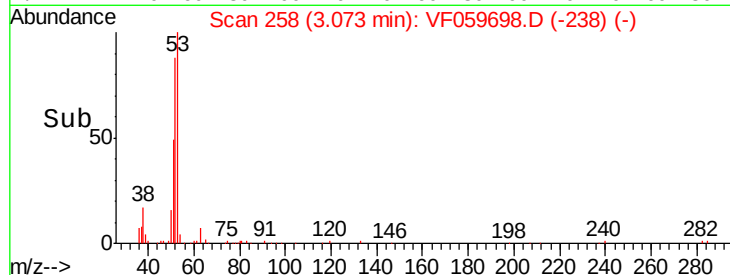
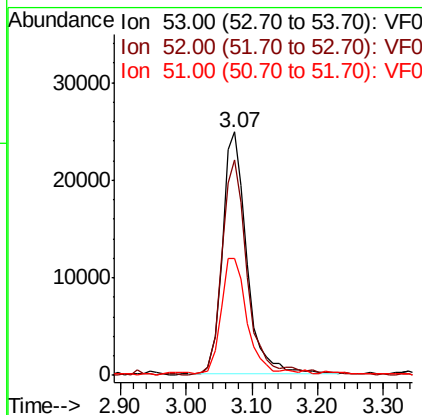
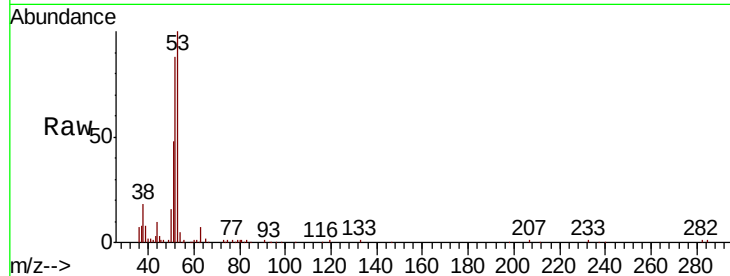
ClientSampleId :

ICVVF073018

Tot Ion:	53	Resp:	64268
Ion	Ratio	Lower	Upper
53	100		
52	88.3	80.3	120.5
51	48.2	49.4	74.0#

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#16

Acetone

Concen: 219.00 ug/l

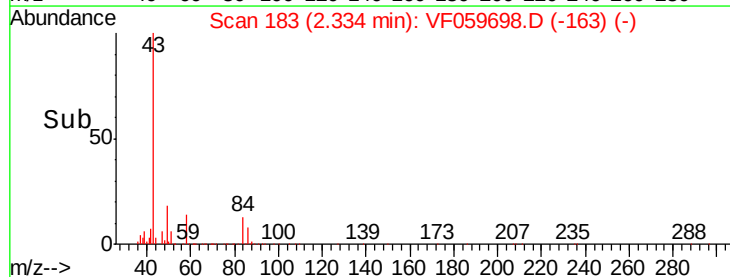
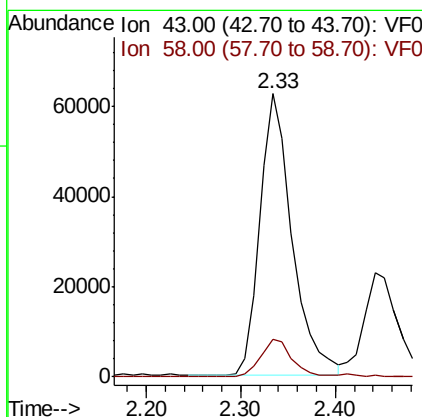
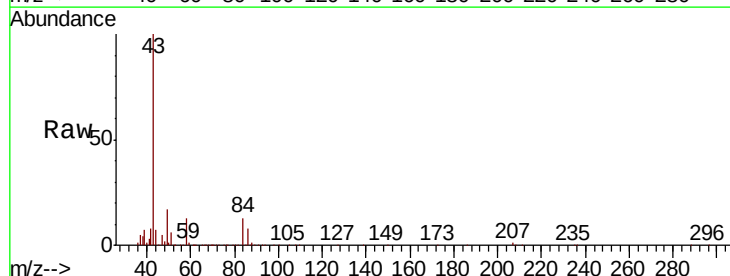
RT: 2.33 min Scan# 183

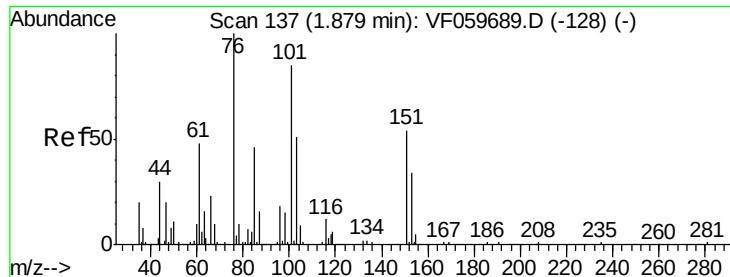
Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Tgt Ion:	43	Resp:	148650
Ion	Ratio	Lower	Upper
43	100		
58	13.4	10.1	15.1





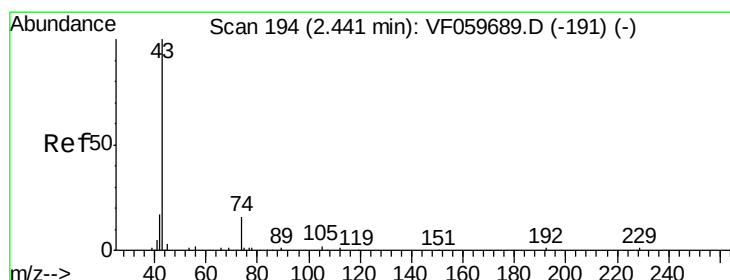
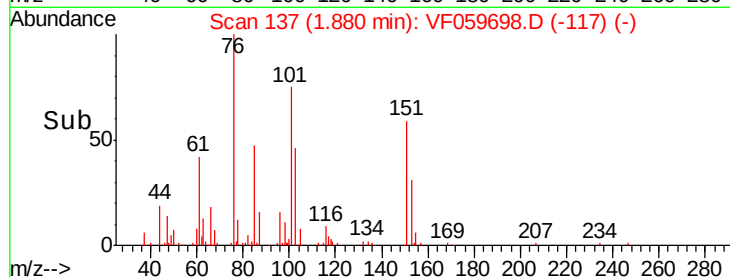
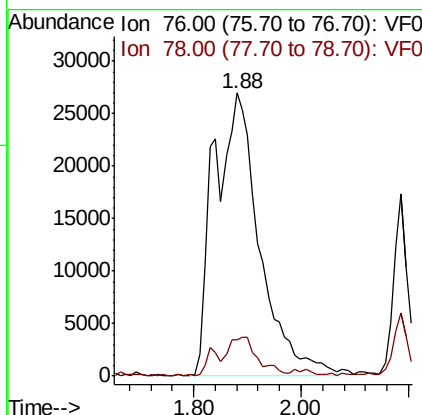
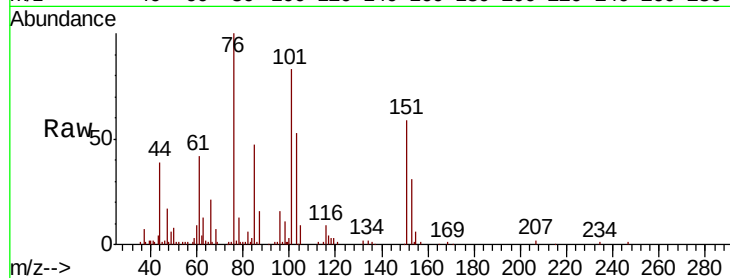
#17
Carbon Disulfide
Concen: 48.01 ug/l m
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :
ICVVF073018

Tot Ion: 76 Resp: 160412
Ion Ratio Lower Upper
76 100
78 12.7 8.9 13.3

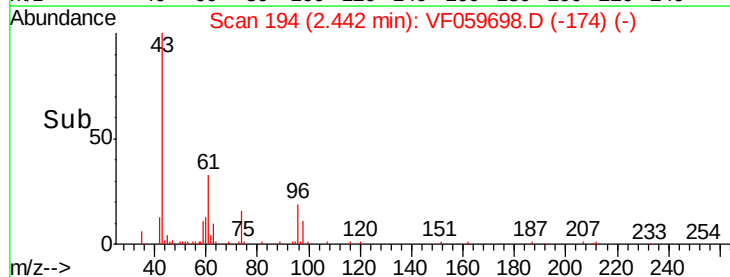
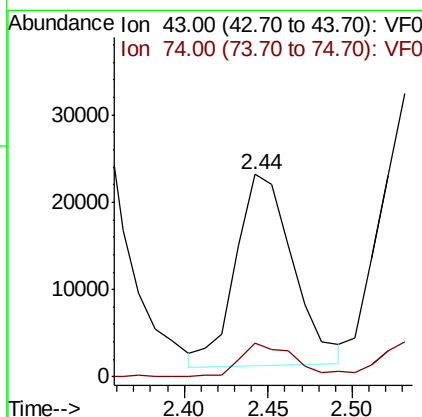
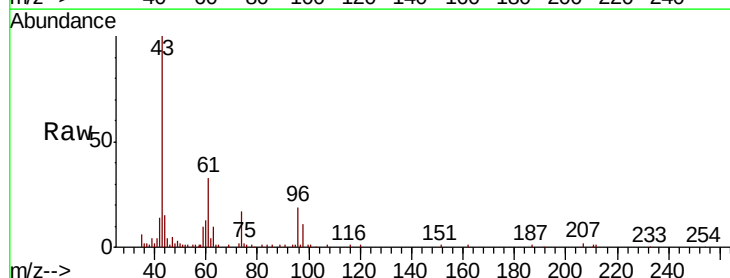
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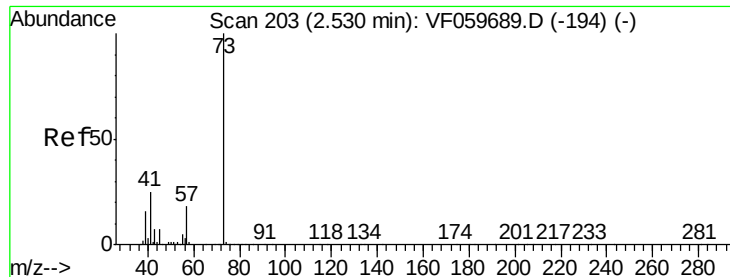
apatel
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#18
Methyl Acetate
Concen: 49.11 ug/l
RT: 2.44 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion: 43 Resp: 51836
Ion Ratio Lower Upper
43 100
74 16.9 11.8 17.6





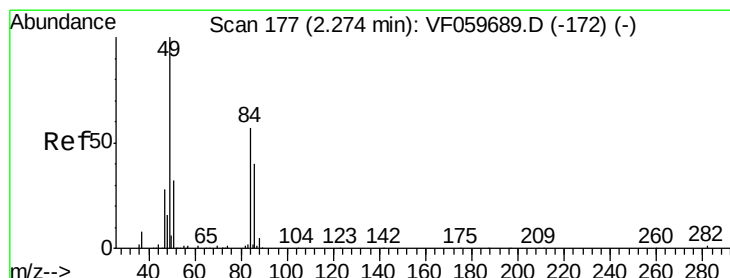
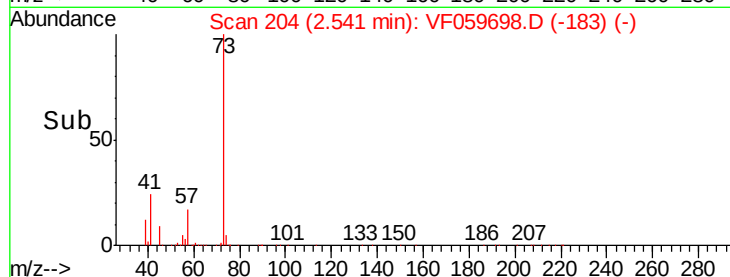
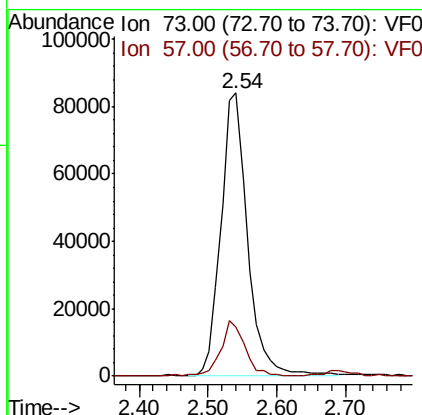
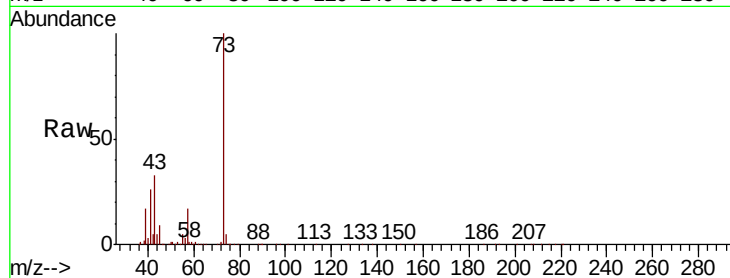
#19
Methyl tert-butyl Ether
Concen: 45.63 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.01 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :
ICVVF073018

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.2	14.2	21.2

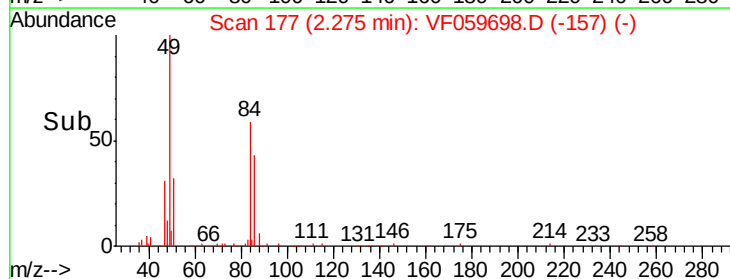
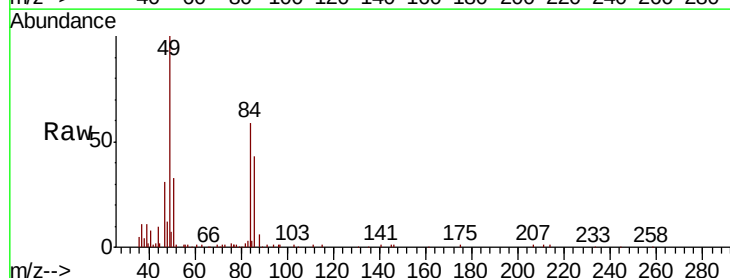
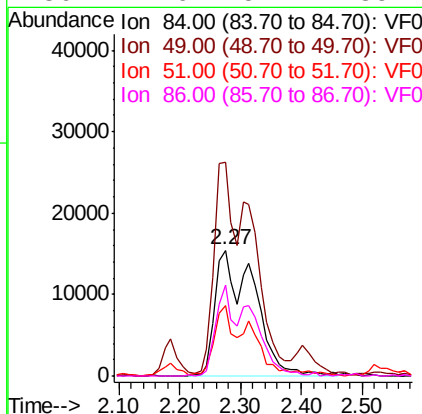
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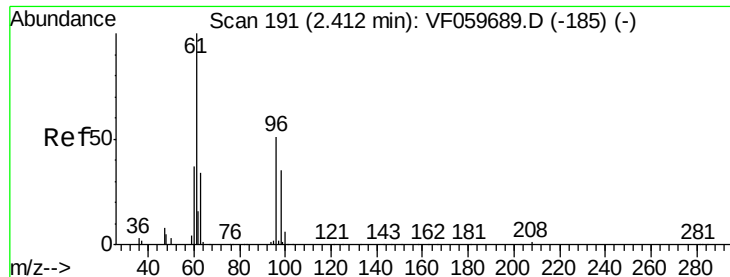
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#20
Methylene Chloride
Concen: 46.22 ug/l m
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	169.9	142.2	213.4
51	55.7	46.2	69.2
86	72.6	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 47.84 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

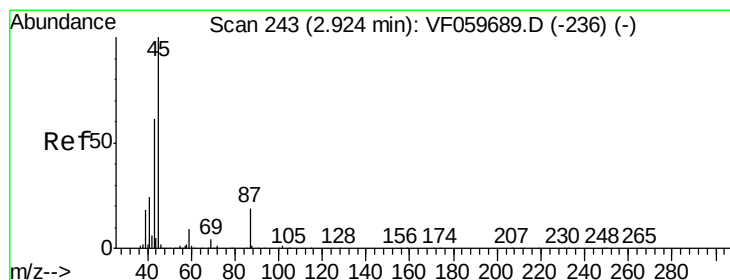
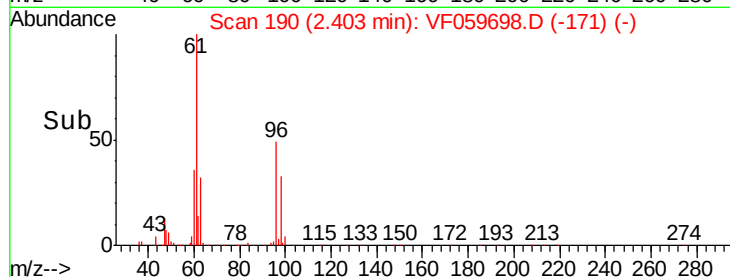
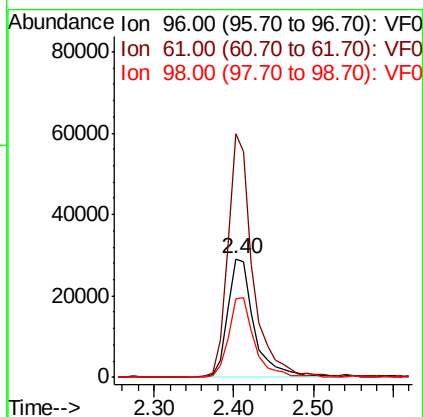
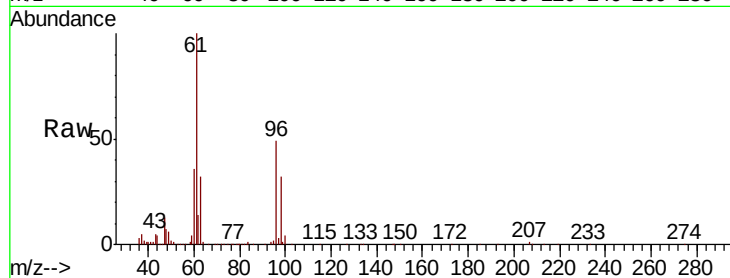
ClientSampleId :

ICVVF073018

Tot Ion:	96	Resp:	68262
Ion	Ratio	Lower	Upper
96	100		
61	205.0	157.4	236.0
98	66.3	55.0	82.4

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#22

Diisopropyl ether

Concen: 45.41 ug/l

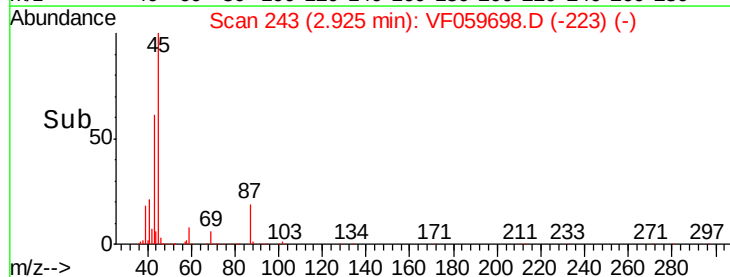
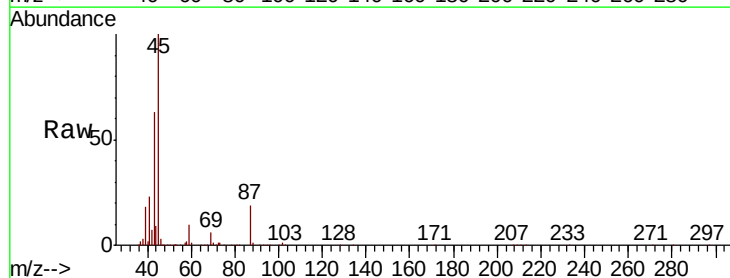
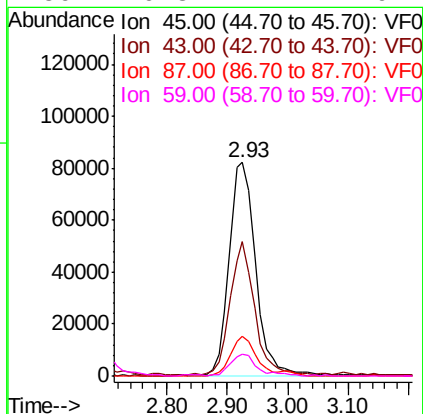
RT: 2.93 min Scan# 243

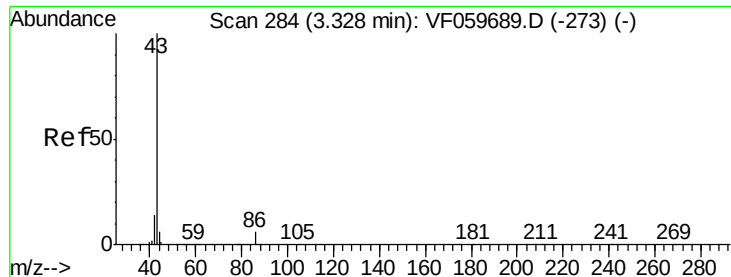
Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Tgt Ion:	45	Resp:	249304
Ion	Ratio	Lower	Upper
45	100		
43	63.0	49.3	73.9
87	18.6	15.3	22.9
59	10.3	7.1	10.7





#23

Vinyl Acetate

Concen: 257.73 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

ICVVF073018

Tot Ion: 43 Resp: 727488

Ion Ratio Lower Upper

43 100

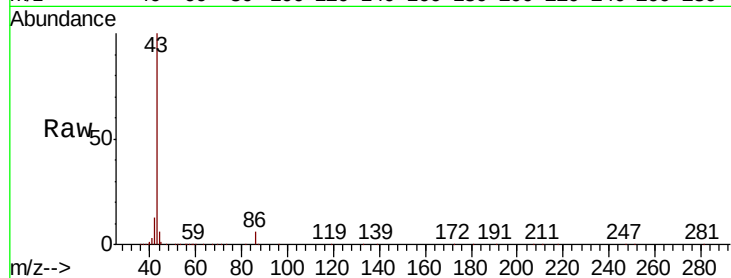
86 6.3 4.6 6.8

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

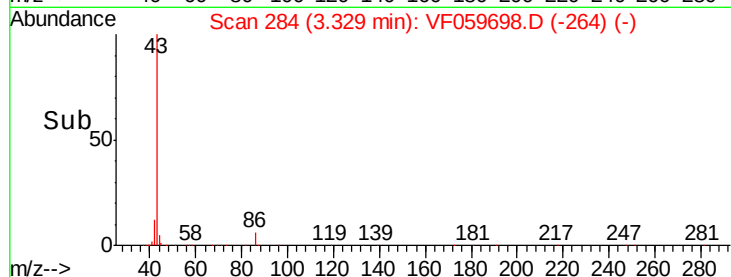
300000

200000

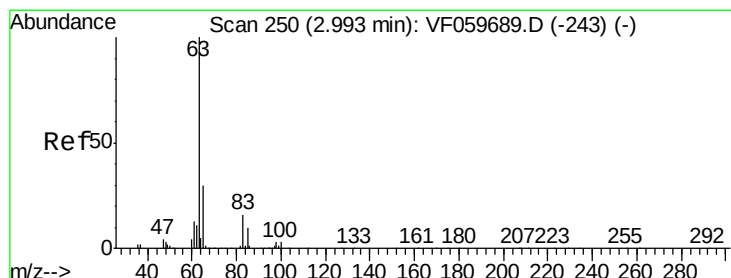
100000

0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 45.46 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

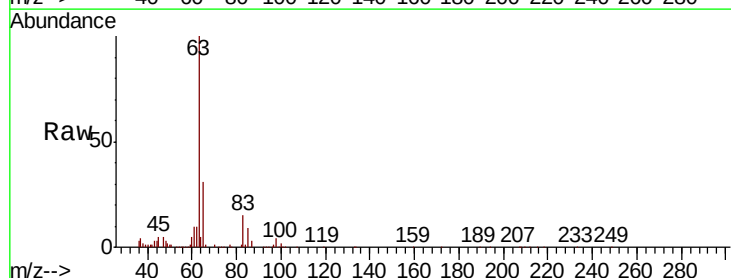
Tgt Ion: 63 Resp: 173393

Ion Ratio Lower Upper

63 100

98 4.5 1.4 4.2#

100 2.2 1.6 4.7



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

80000

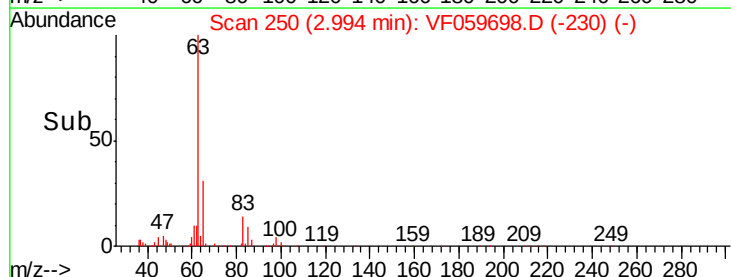
60000

40000

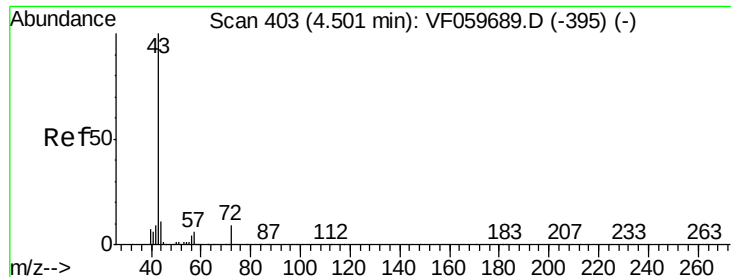
20000

0

Time-->



Time-->



#25

2-Butanone

Concen: 220.37 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

ICVVF073018

Tot Ion: 43 Resp: 166933

Ion Ratio Lower Upper

43 100

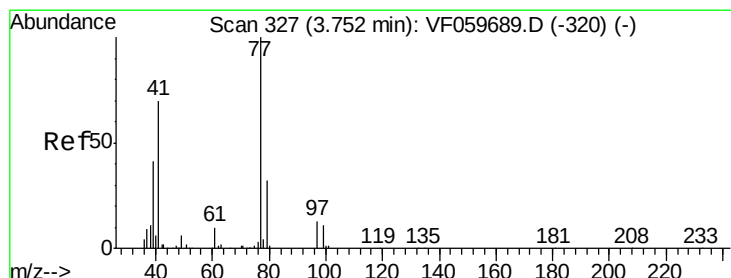
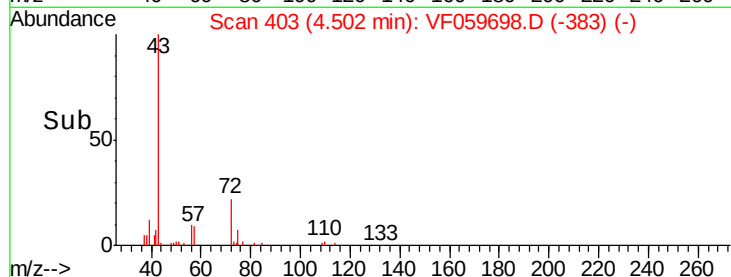
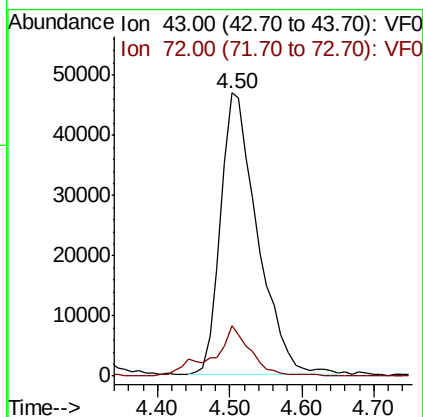
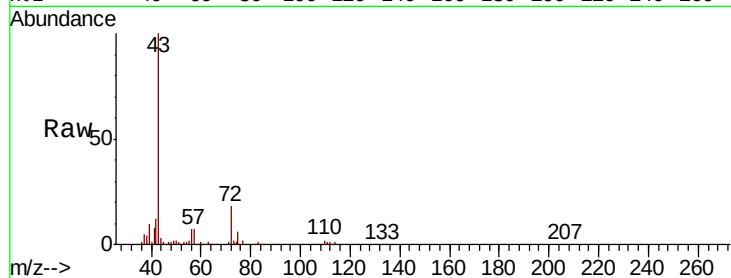
72 17.8 7.7 11.5#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 42.75 ug/l

RT: 3.75 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059698.D

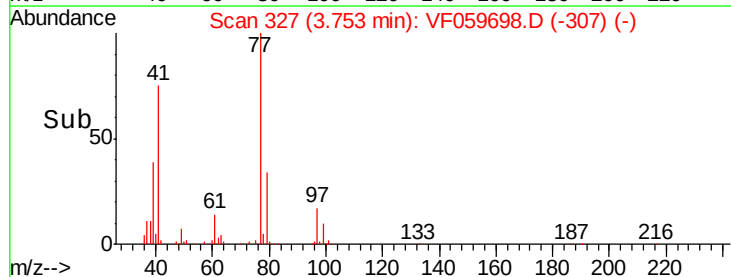
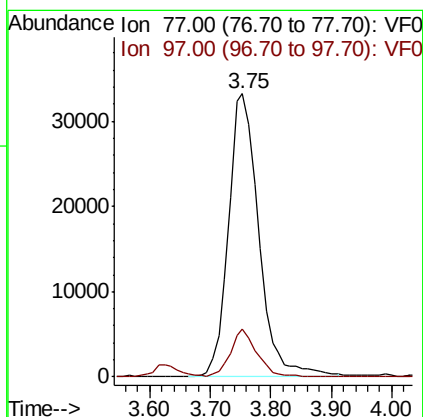
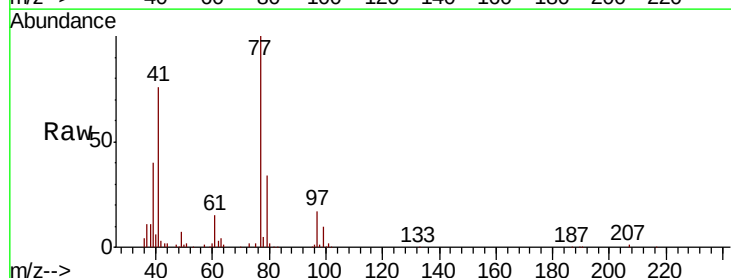
Acq: 30 Jul 2018 20:27

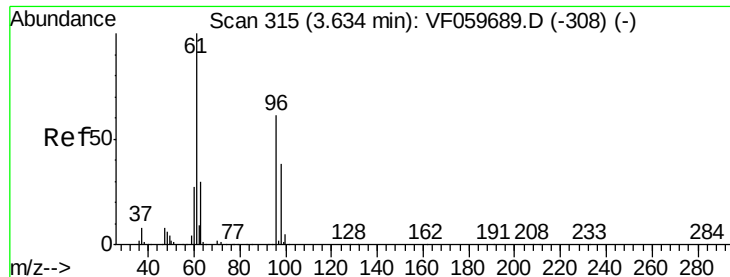
Tgt Ion: 77 Resp: 116232

Ion Ratio Lower Upper

77 100

97 18.1 6.8 20.4





#27

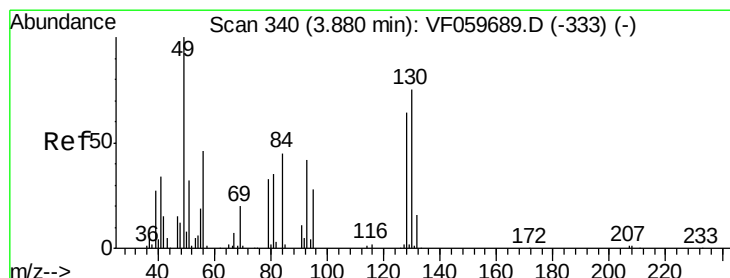
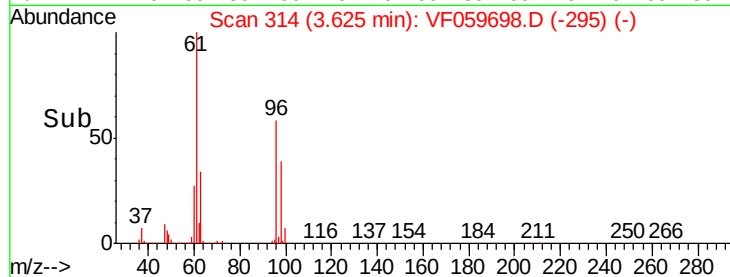
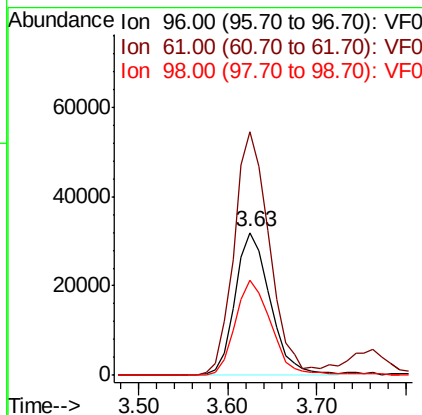
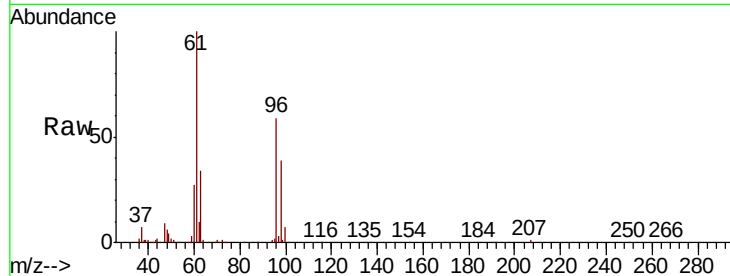
cis-1,2-Dichloroethene
Concen: 43.15 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :
ICVVF073018

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	170.4	0.0	326.8	
98	66.7	0.0	125.2	

Manual Integrations
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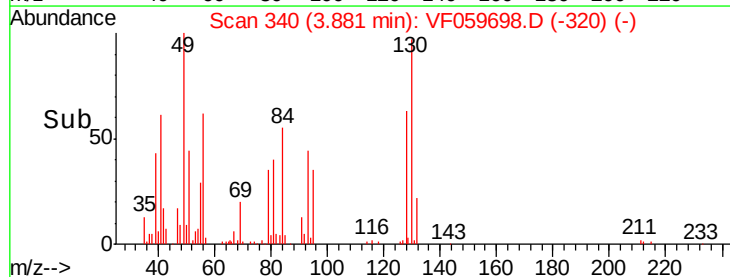
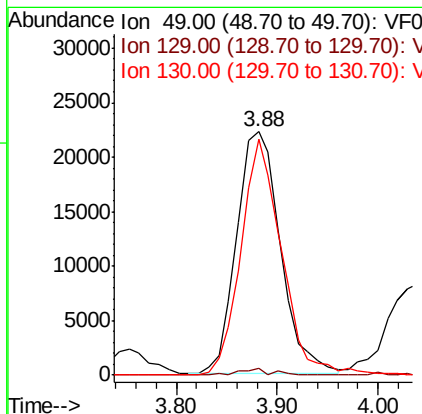
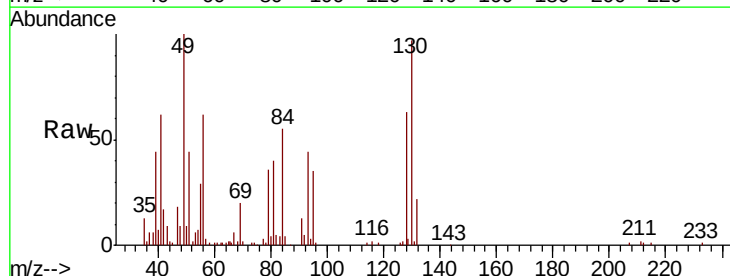
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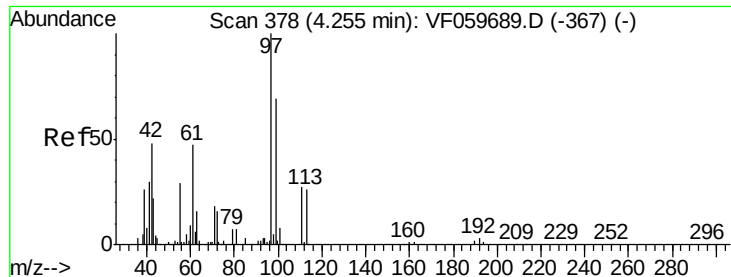


#28

Bromochloromethane
Concen: 50.40 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	4.8	
130	96.7	59.6	89.4	





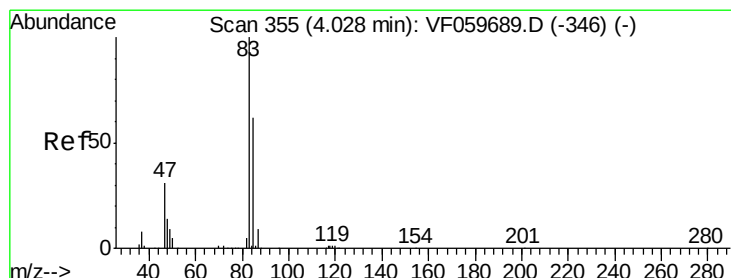
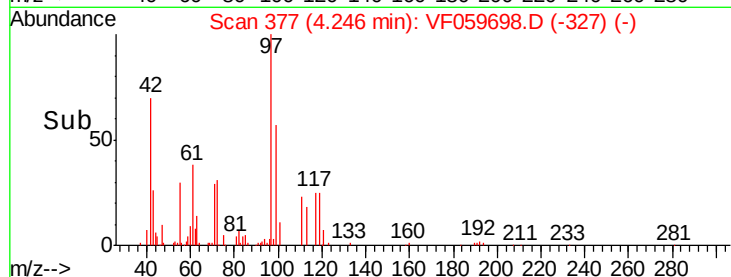
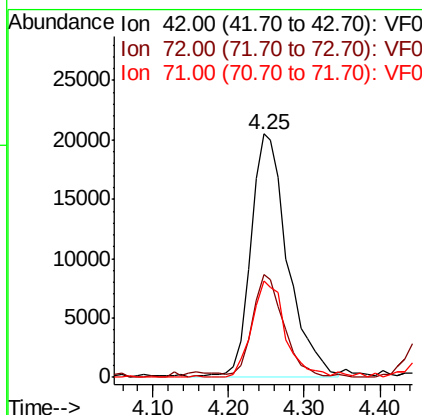
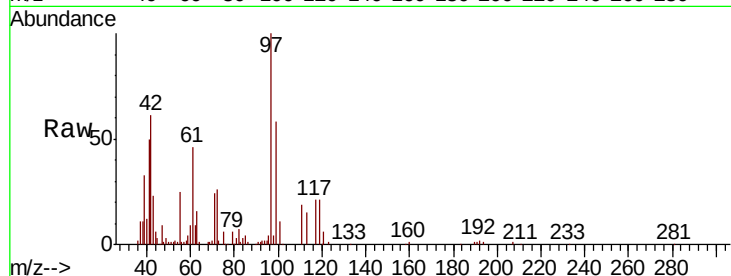
#29
Tetrahydrofuran
Concen: 238.45 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :
ICVVF073018

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.7	27.0	40.6
71	35.9	29.7	44.5

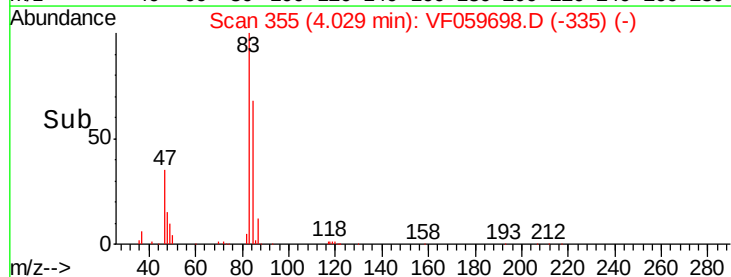
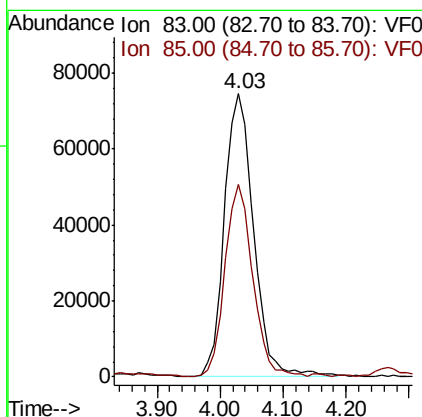
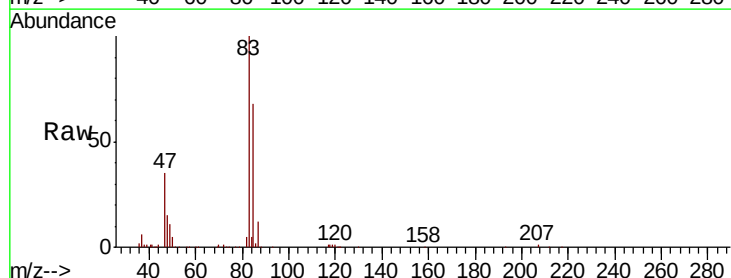
Manual Integrations
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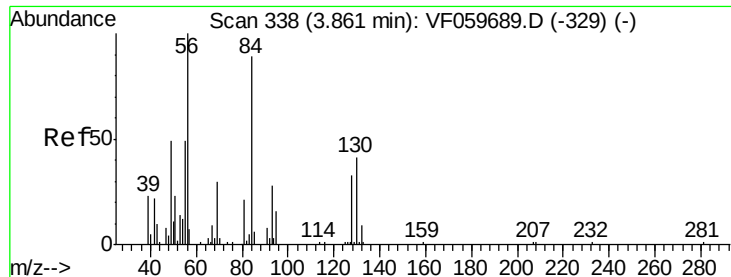
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#30
Chloroform
Concen: 44.28 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.2	49.4	74.0





#31

Cyclohexane

Concen: 48.66 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.02 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

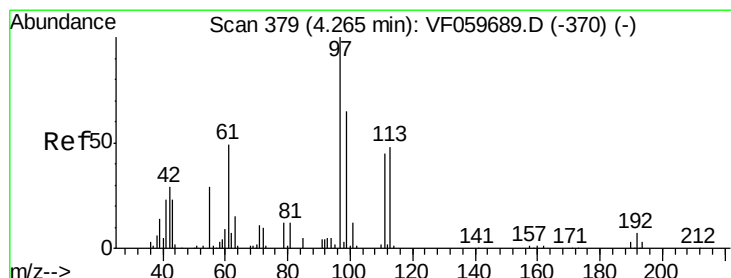
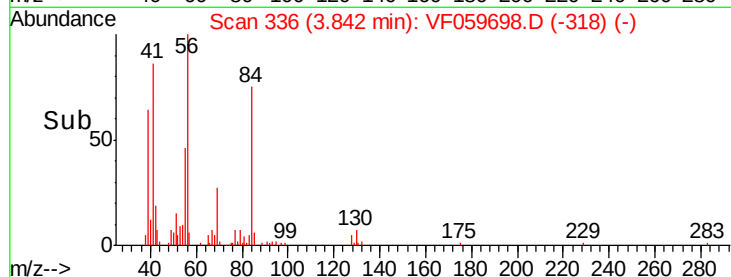
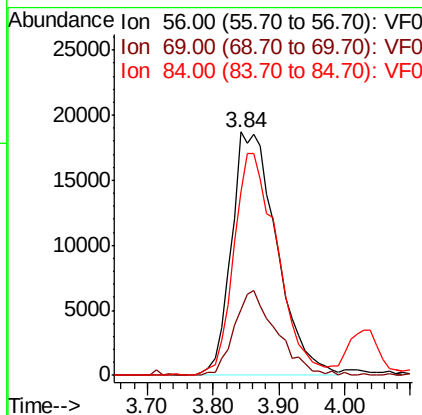
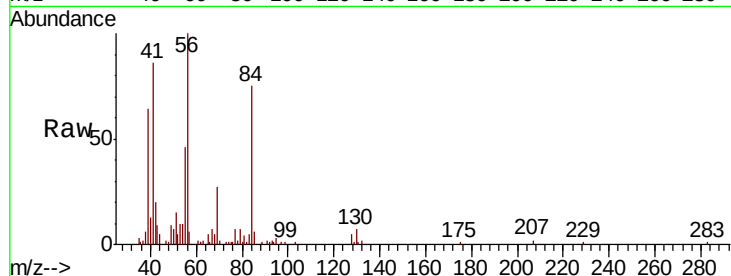
ClientSampleId :

ICVVF073018

Tot Ion:	56	Resp:	90159
Ion	Ratio	Lower	Upper
56	100		
69	27.1	23.7	35.5
84	75.1	71.1	106.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 43.53 ug/l

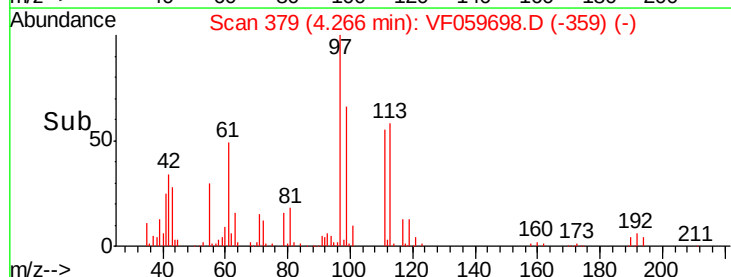
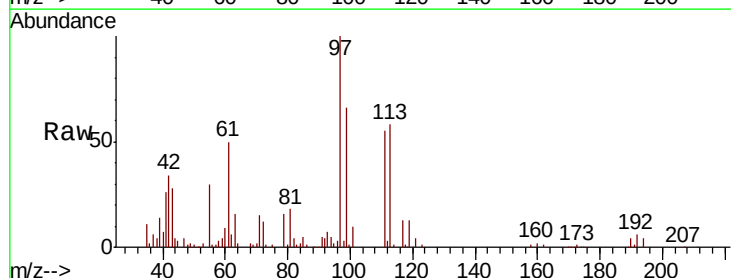
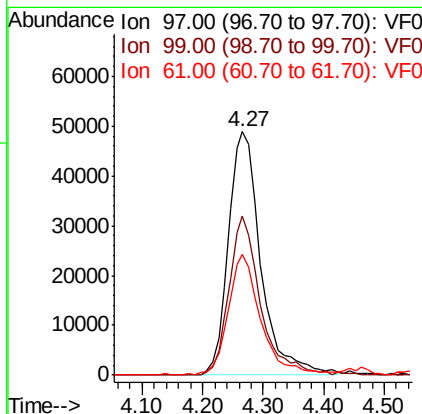
RT: 4.27 min Scan# 379

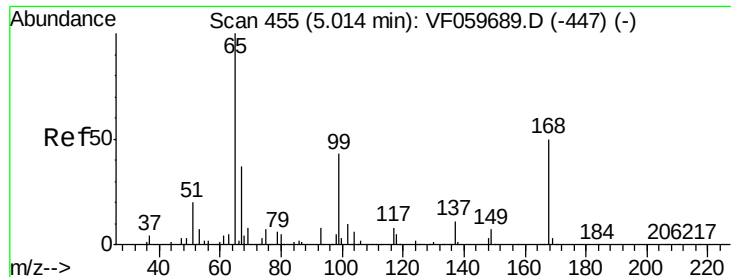
Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Tgt Ion:	97	Resp:	181773
Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.4	78.6
61	49.6	39.7	59.5





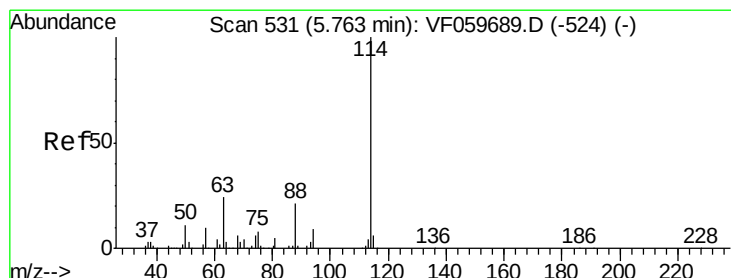
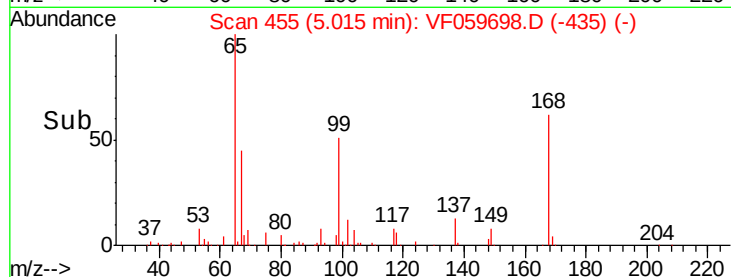
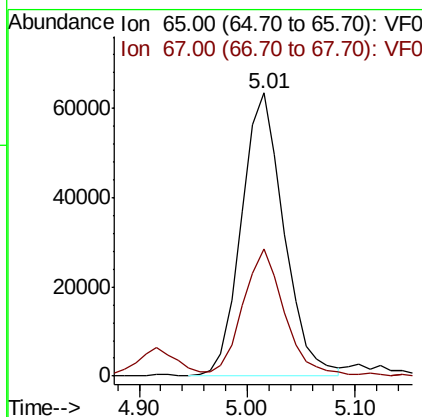
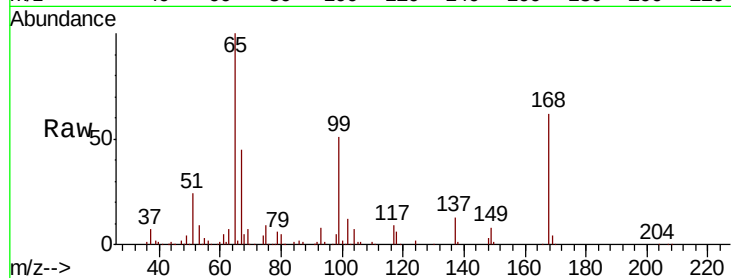
#33
 1,2-Dichloroethane-d4
 Concen: 45.94 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF073018

Tot Ion: 65 Resp: 173370
 Ion Ratio Lower Upper
 65 100
 67 45.0 0.0 84.6

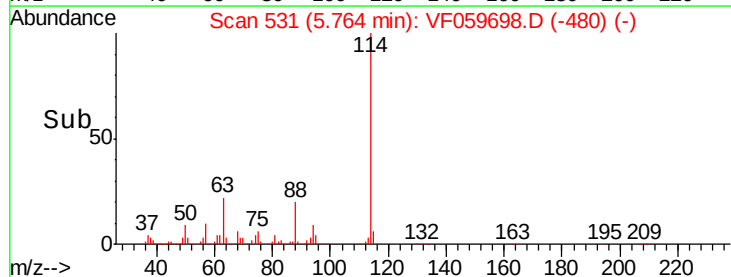
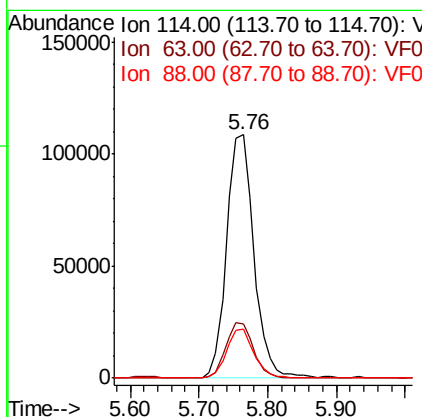
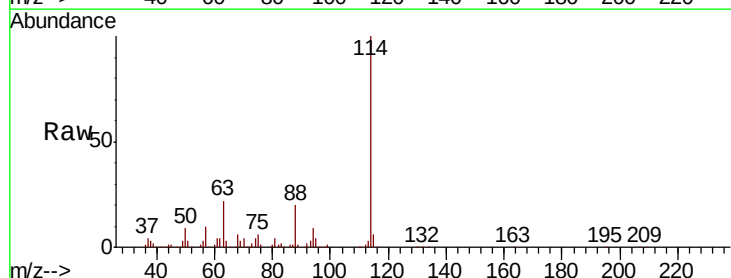
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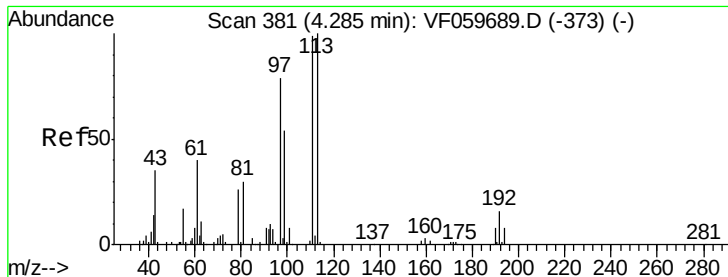
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Tgt Ion: 114 Resp: 299947
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 47.4
 88 20.0 0.0 41.2





#35

Dibromofluoromethane

Concen: 46.24 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

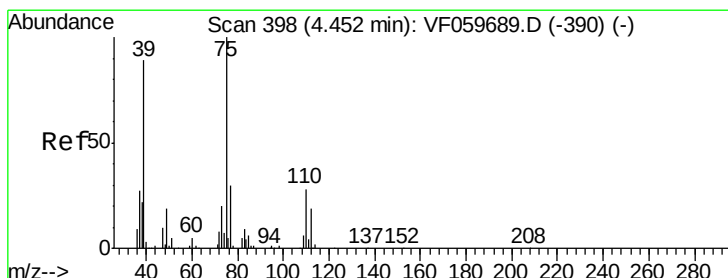
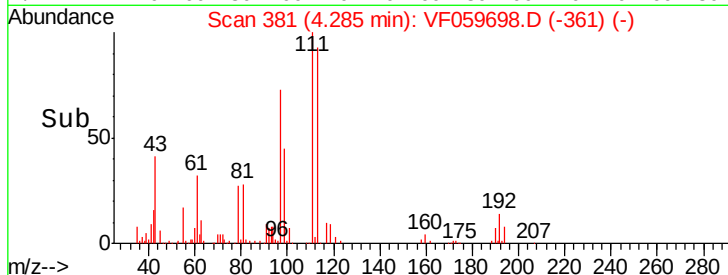
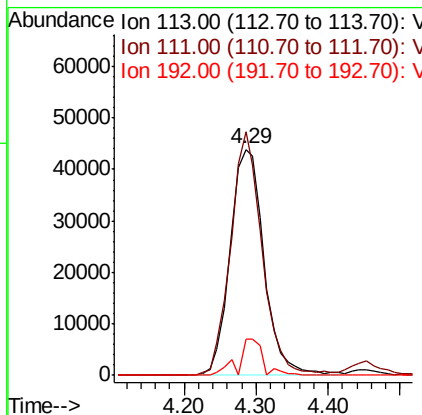
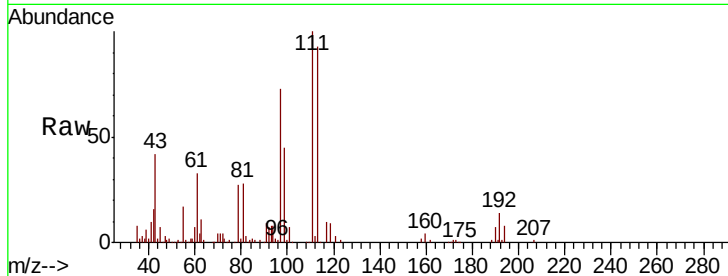
ClientSampleId :

ICVVF073018

Tot Ion:	113	Resp:	144061
Ion	Ratio	Lower	Upper
113	100		
111	107.6	79.0	118.4
192	15.9	13.2	19.8

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#36

1,1-Dichloropropene

Concen: 47.02 ug/l

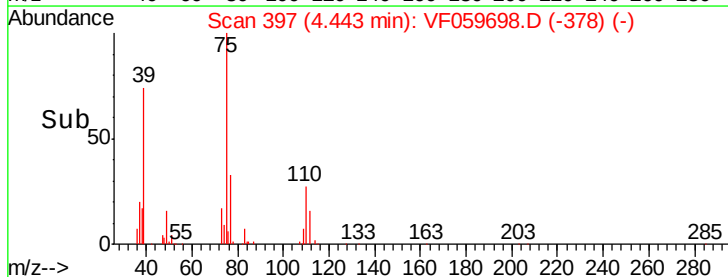
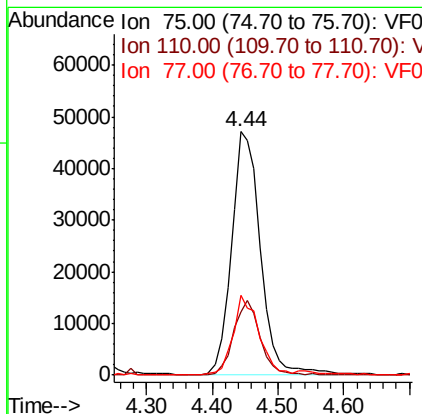
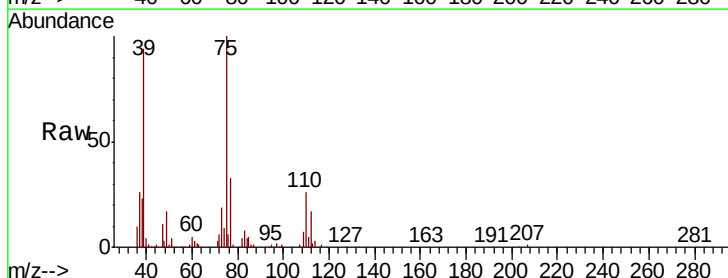
RT: 4.44 min Scan# 397

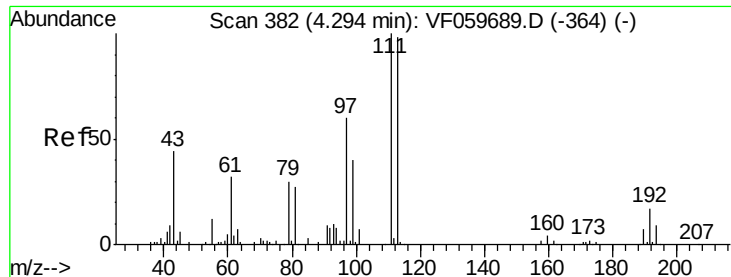
Delta R.T. -0.01 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Tgt Ion:	75	Resp:	143484
Ion	Ratio	Lower	Upper
75	100		
110	26.1	14.0	41.9
77	33.0	24.2	36.2





#37

Ethyl Acetate

Concen: 47.42 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

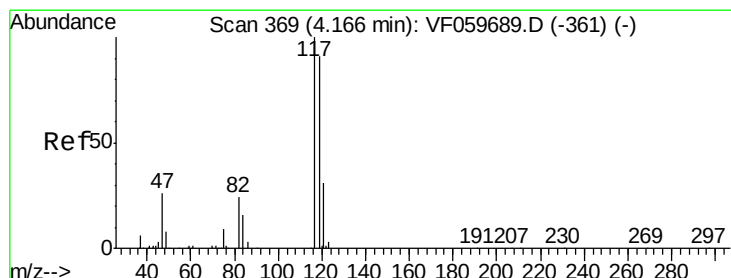
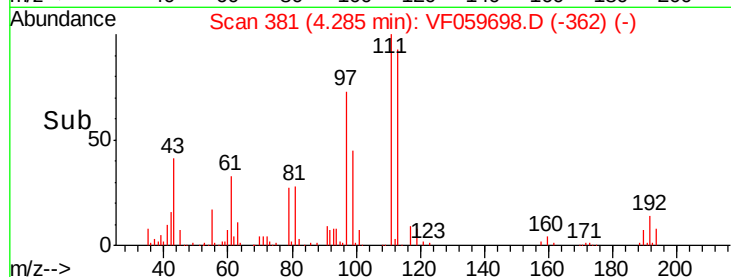
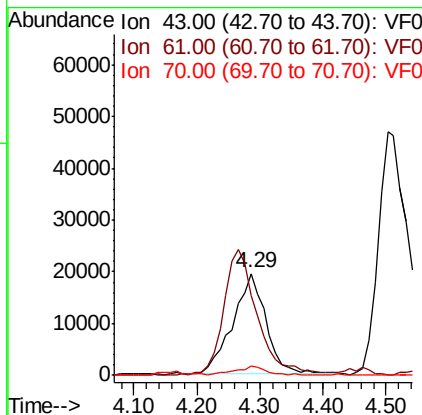
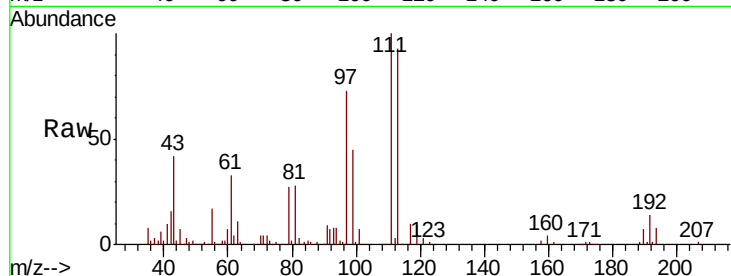
ClientSampleId :

ICVVF073018

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	78.6	58.2	87.2			
70	9.3	6.0	9.0			

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#38

Carbon Tetrachloride

Concen: 42.46 ug/l

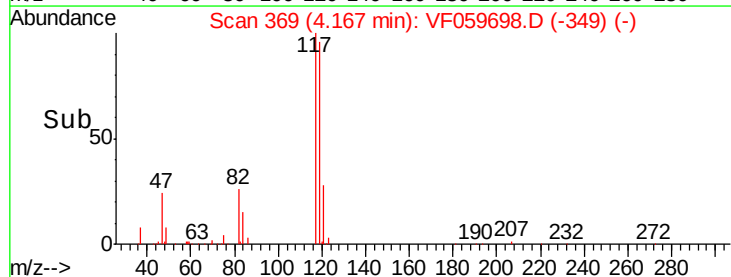
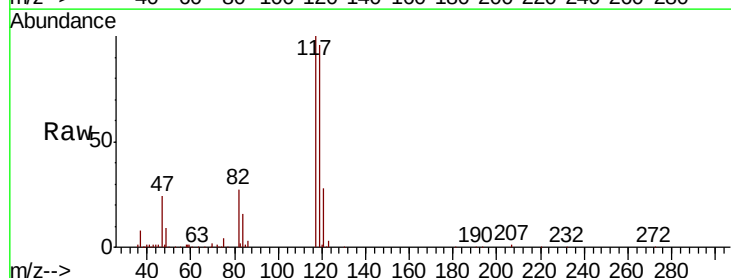
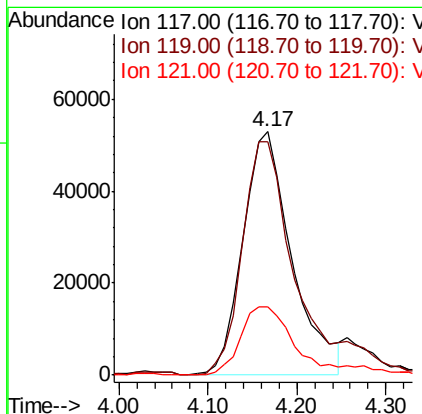
RT: 4.17 min Scan# 369

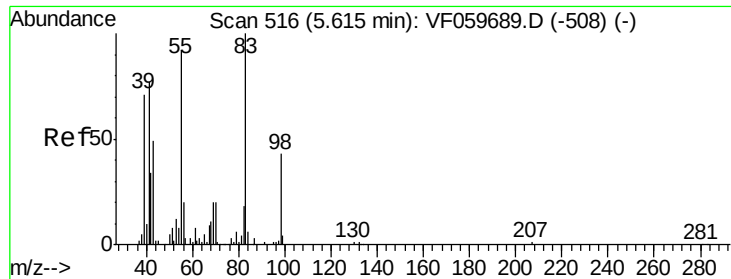
Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	95.9	72.9	109.3			
121	28.1	25.0	37.4			





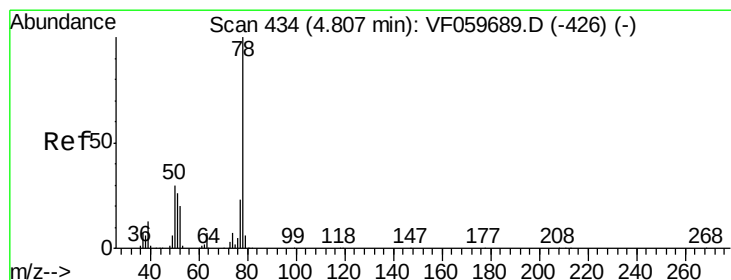
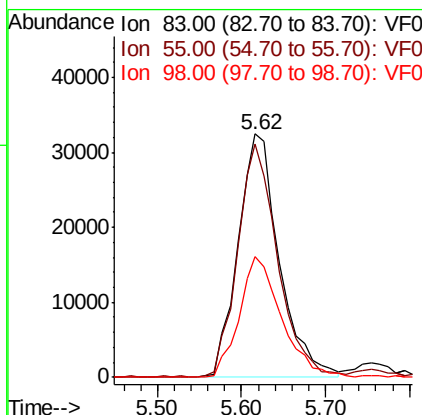
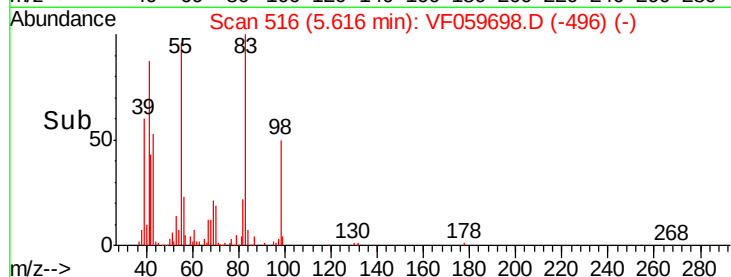
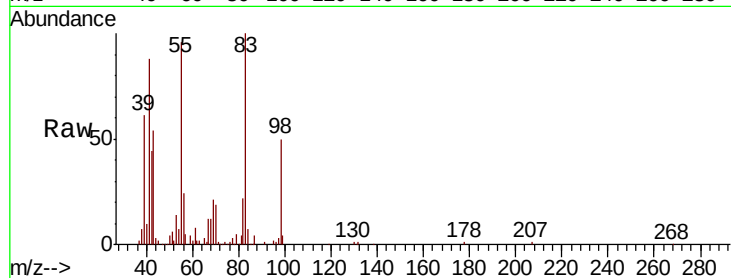
#39
Methylvlcyclohexane
Concen: 47.83 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :
ICVVF073018

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.8	73.4	110.2
98	49.8	34.2	51.4

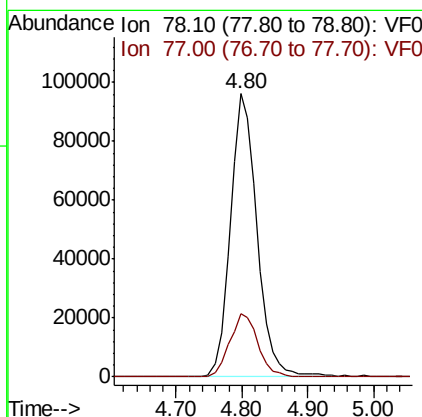
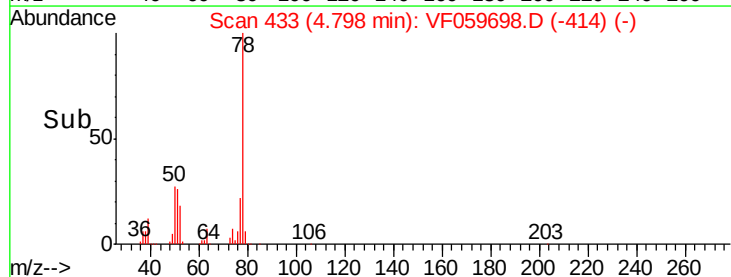
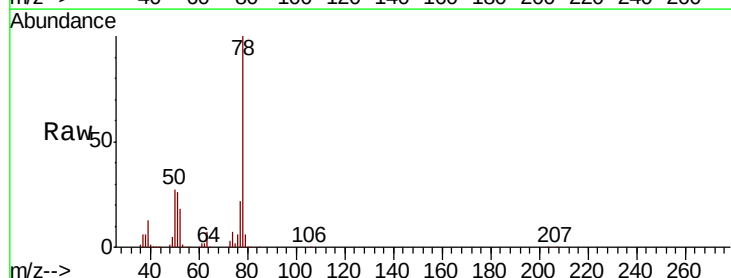
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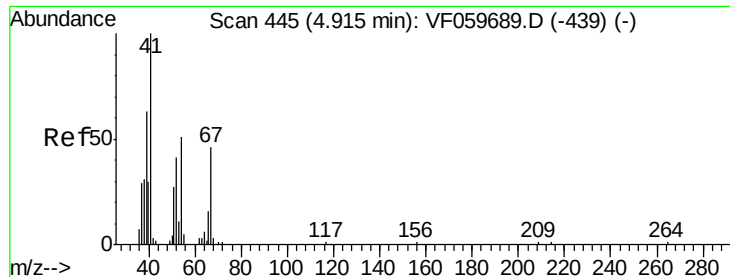
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#40
Benzene
Concen: 45.12 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.9	28.3





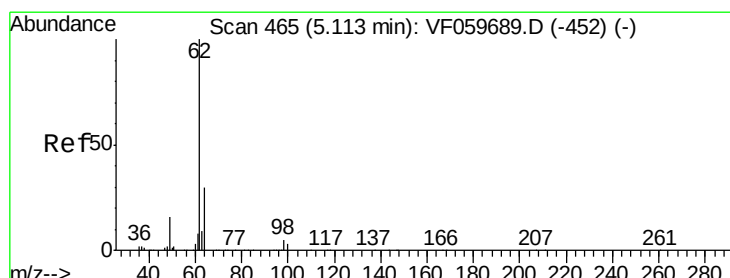
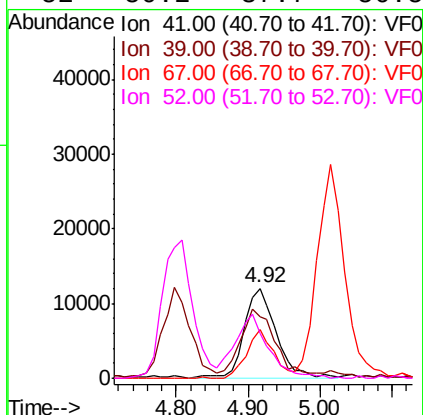
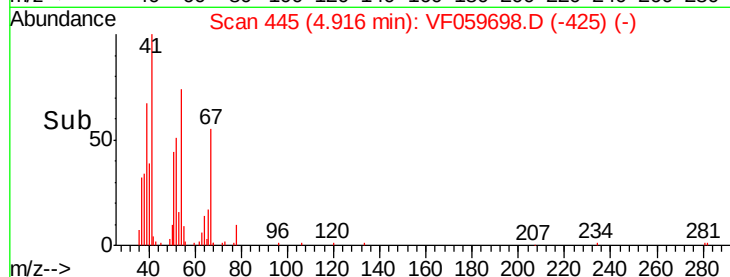
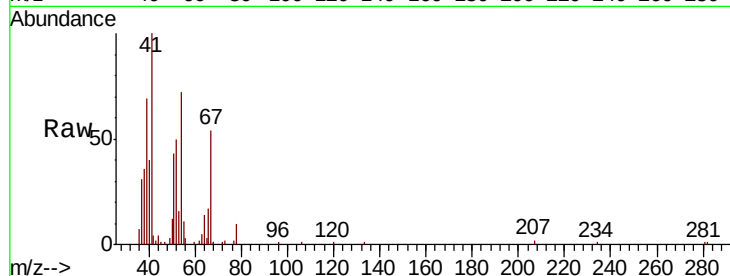
#41
Methacrylonitrile
Concen: 49.68 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :
ICVVF073018

Tot Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	68.6	55.2	82.8
67	67	54.0	36.2	54.2
52	52	50.2	37.7	56.5

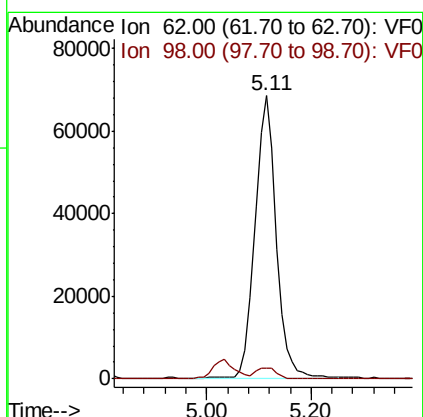
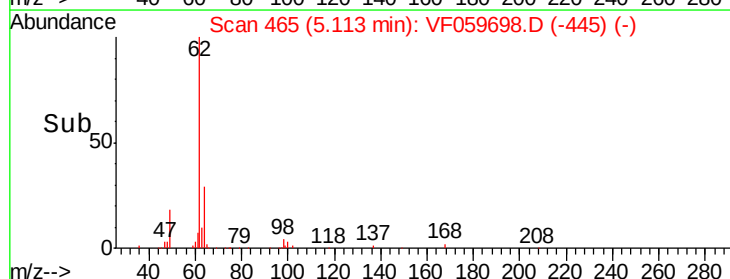
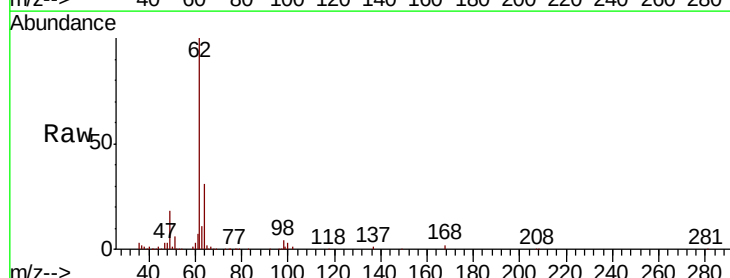
Manual Integrations
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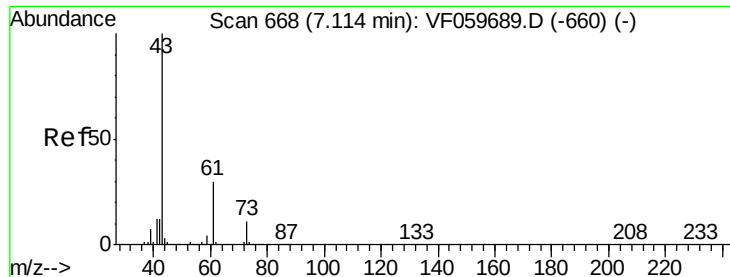
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#42
1,2-Dichloroethane
Concen: 45.13 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion	Ion	Ratio	Lower	Upper
62	62	100		
98	98	3.7	0.0	9.6





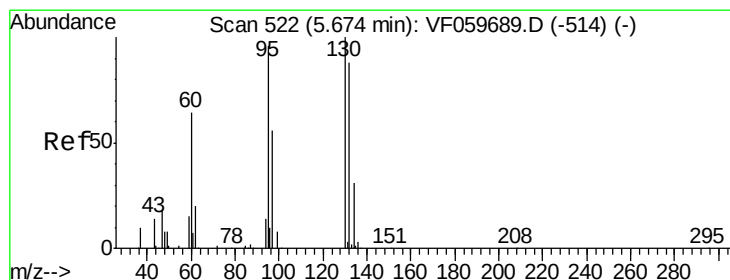
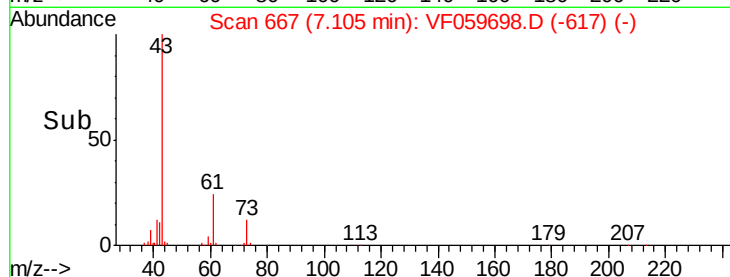
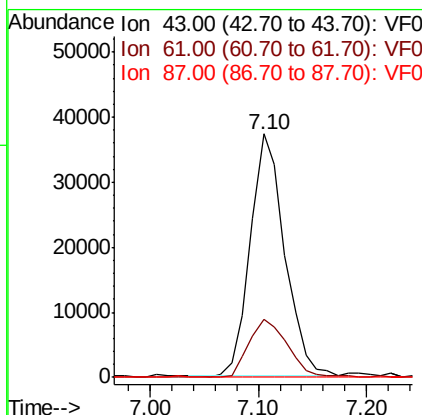
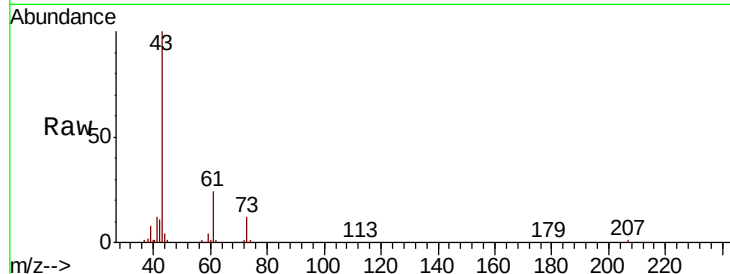
#43
Isopropyl Acetate
Concen: 45.96 ug/l
RT: 7.10 min Scan# 667
Delta R.T. -0.01 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :
ICVVF073018

Tot Ion	Ratio	Lower	Upper
43	100		
61	23.6	23.8	35.8#
87	0.0	0.6	1.0#

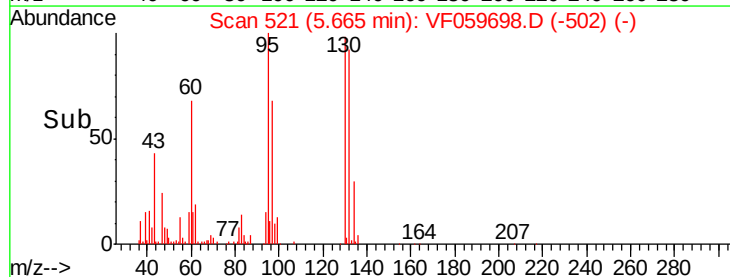
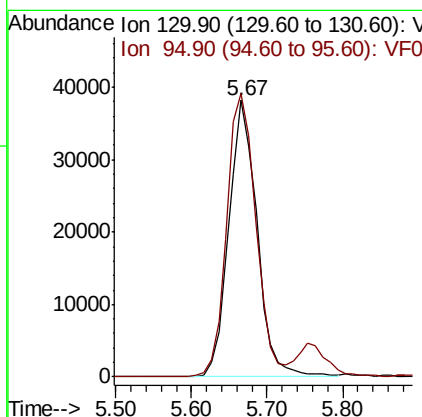
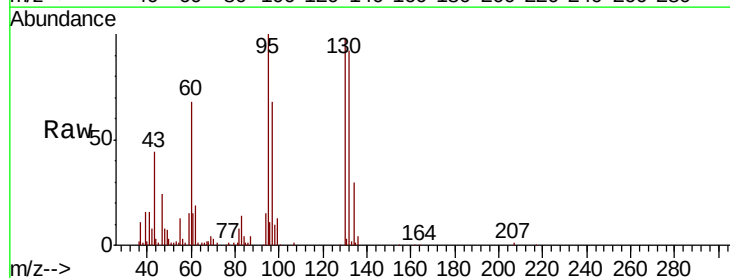
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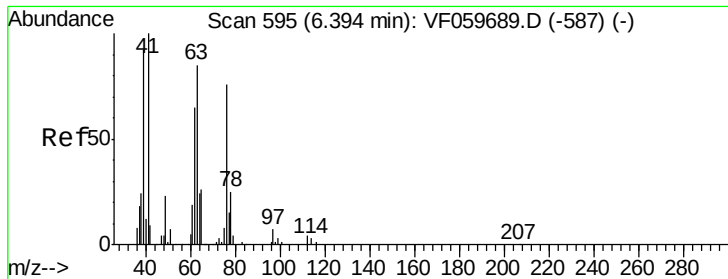
apatel
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#44
Trichloroethene
Concen: 48.28 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.01 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.2	0.0	191.0





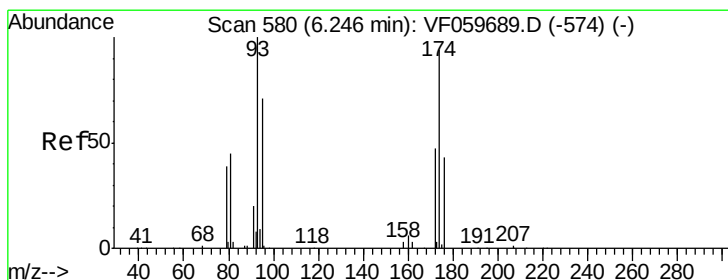
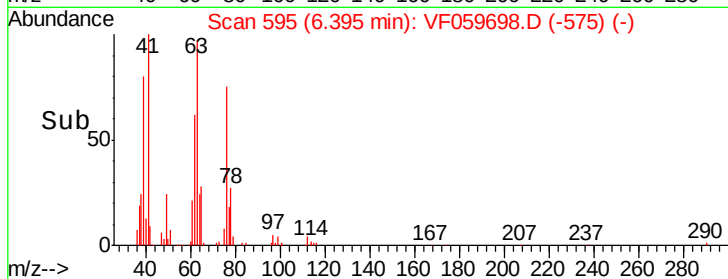
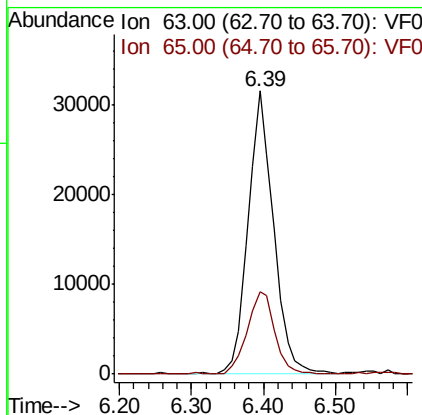
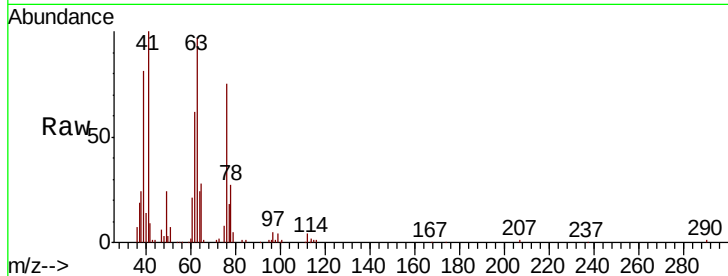
#45
 1,2-Dichloropropane
 Concen: 48.71 ug/l
 RT: 6.39 min Scan# 595
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF073018

Tot Ion	63	Resp	77917
Ion Ratio	Lower	Upper	
63	100		
65	29.2	25.2	37.8

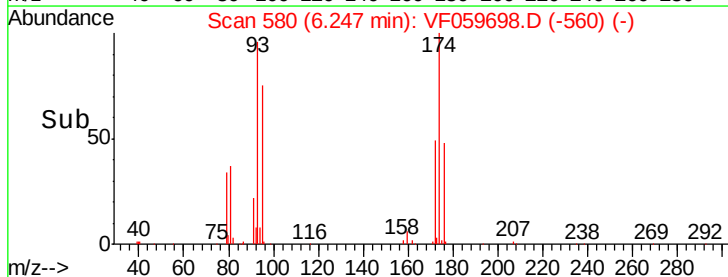
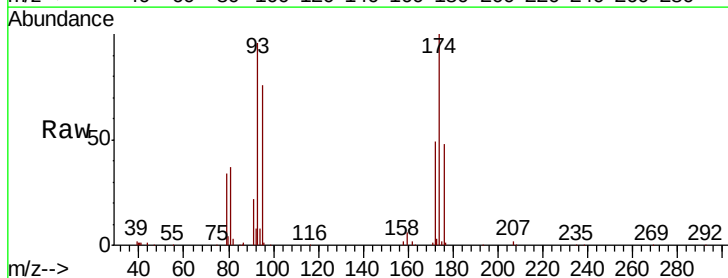
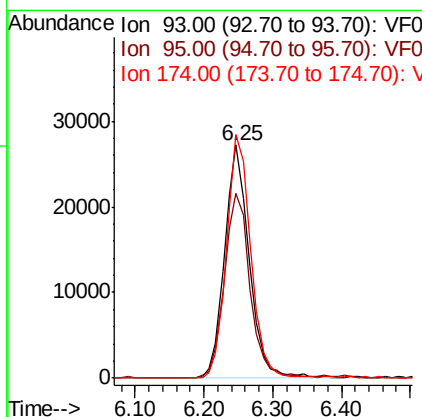
Manual Integrations
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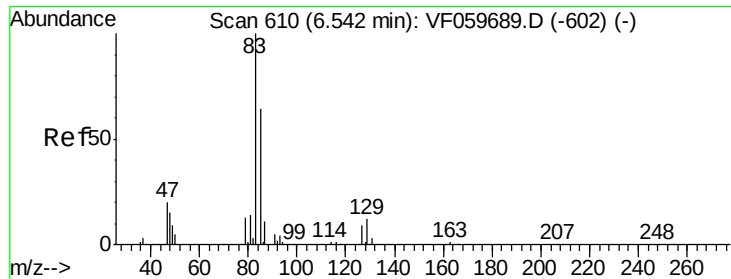
apatel
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#46
 Dibromomethane
 Concen: 44.14 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Tgt Ion	93	Resp	67030
Ion Ratio	Lower	Upper	
93	100		
95	80.5	57.1	85.7
174	106.8	74.8	112.2





#47

Bromodichloromethane

Concen: 46.13 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

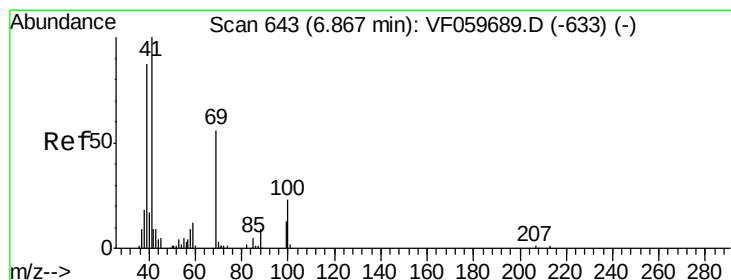
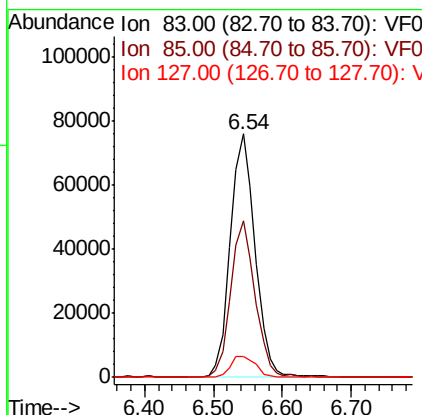
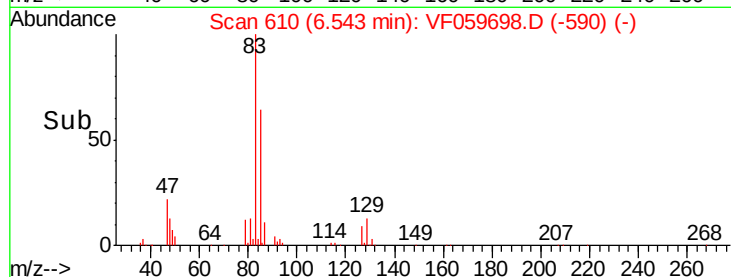
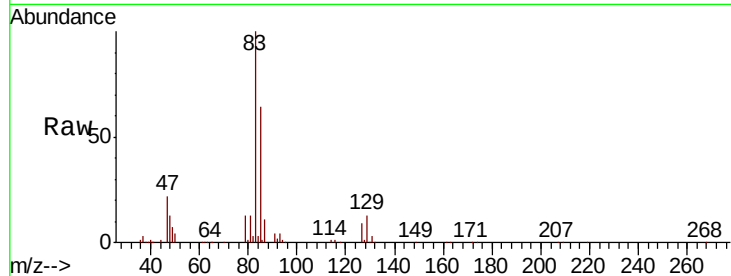
ClientSampleId :

ICVVF073018

Tot Ion:	83	Resp:	190775
Ion Ratio	Lower	Upper	
83	100		
85	64.5	51.0	76.6
127	9.7	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.26 ug/l

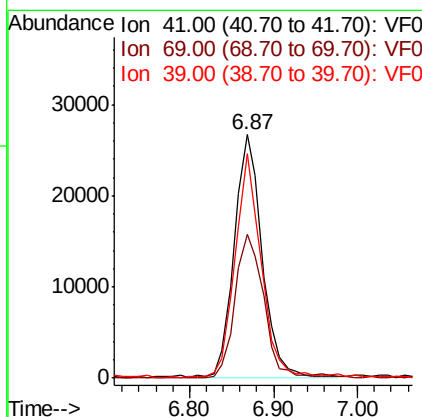
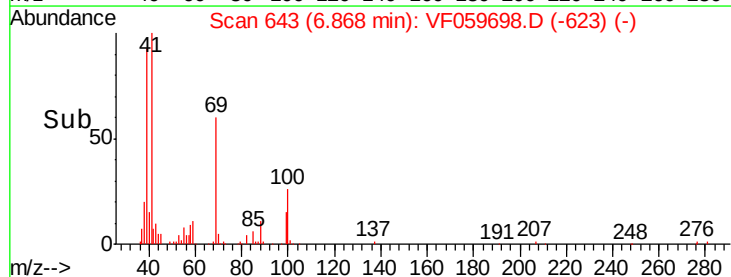
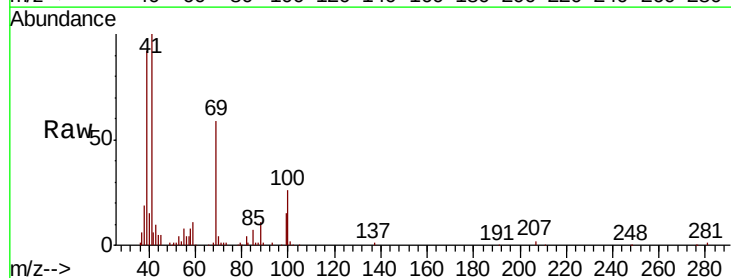
RT: 6.87 min Scan# 643

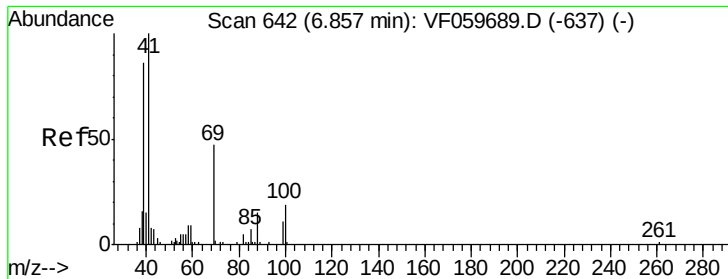
Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Tgt Ion:	41	Resp:	62402
Ion Ratio	Lower	Upper	
41	100		
69	59.3	44.4	66.6
39	92.4	69.4	104.2





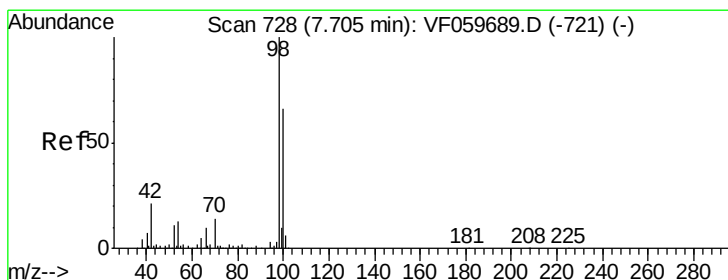
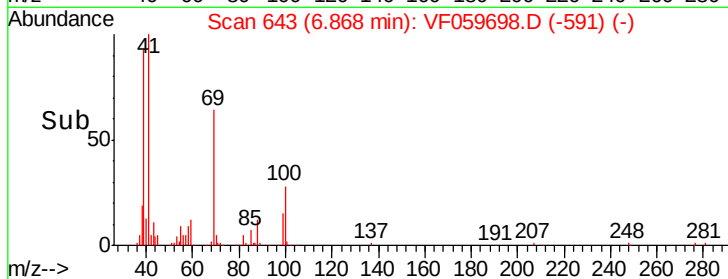
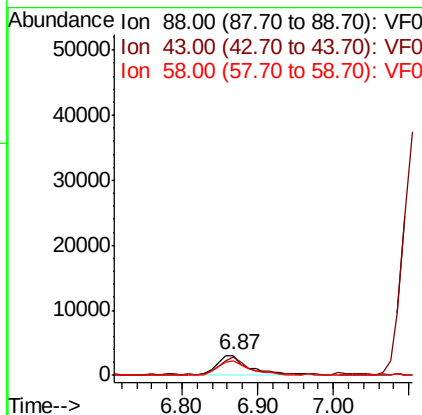
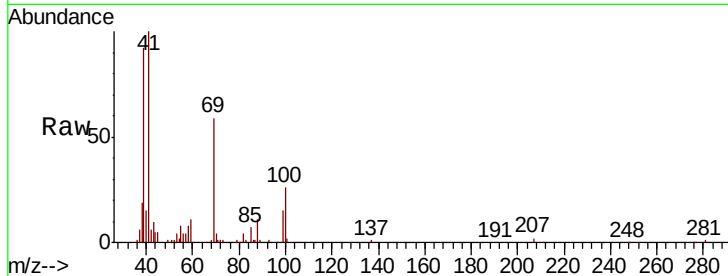
#49
1,4-Dioxane
Concen: 1064.85 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :
ICVVF073018

Tot Ion	Ratio	Lower	Upper
88	100		
43	91.0	45.2	67.8#
58	74.8	49.0	73.6#

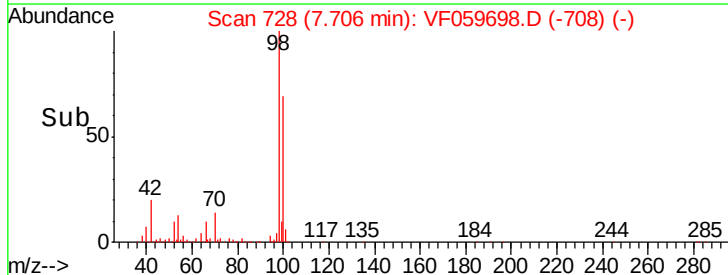
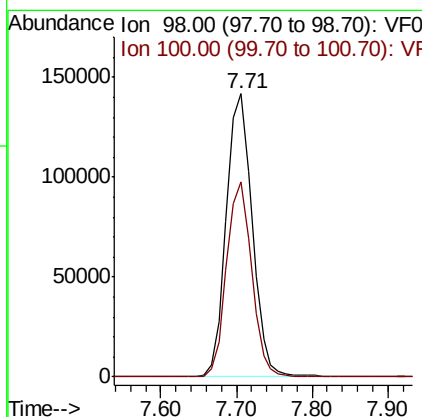
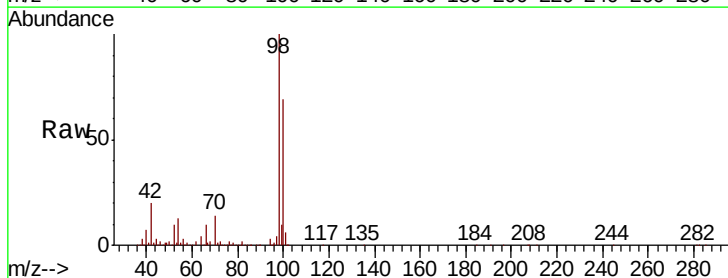
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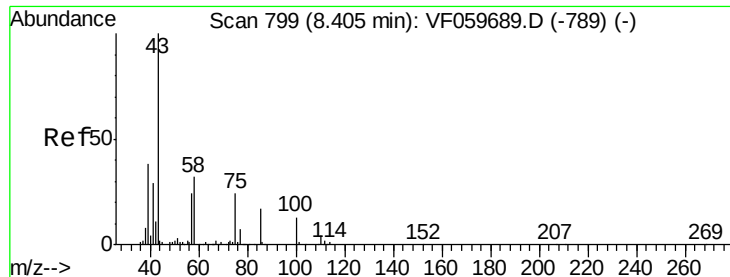
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7/31/2018 12:13:19 PM



#50
Toluene-d8
Concen: 46.45 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.9	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 241.67 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

ICVVF073018

Tot Ion: 43 Resp: 329725

Ion Ratio Lower Upper

43 100

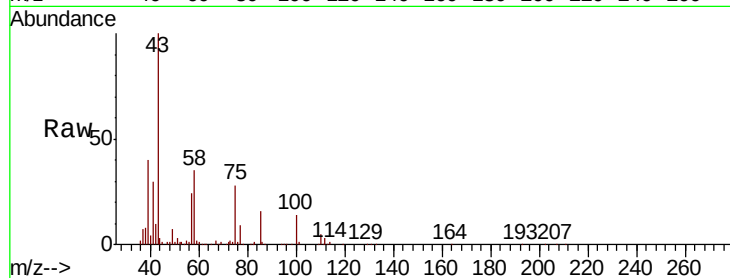
58 34.7 25.9 38.9

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

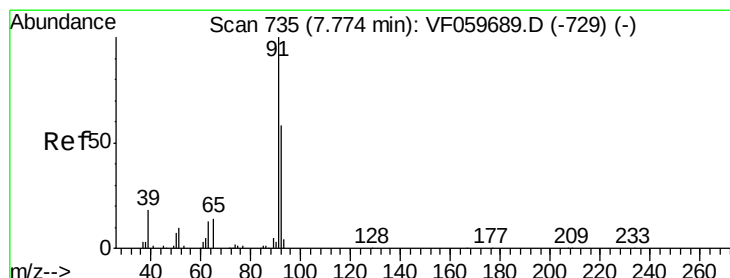
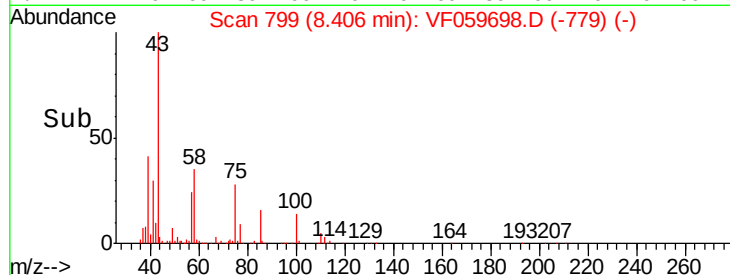
100000

50000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 46.85 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059698.D

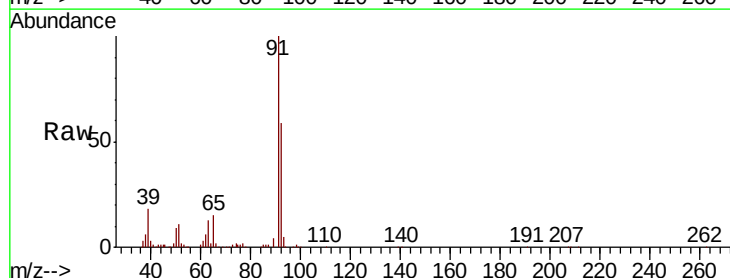
Acq: 30 Jul 2018 20:27

Tgt Ion: 92 Resp: 189598

Ion Ratio Lower Upper

92 100

91 168.1 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

150000

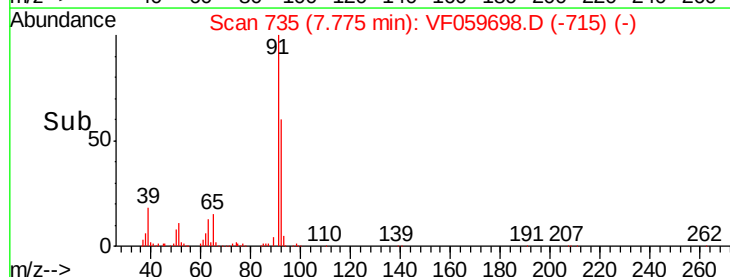
100000

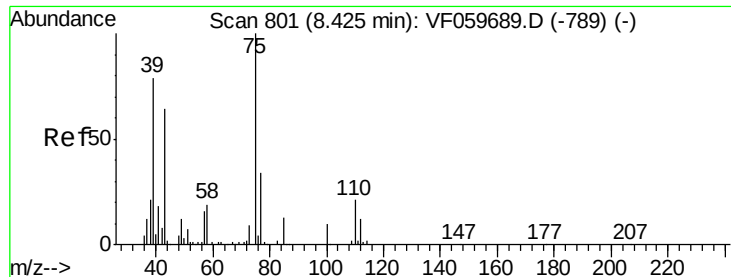
50000

0

7.60 7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 43.88 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

ICVVF073018

Tot Ion: 75 Resp: 157486

Ion Ratio Lower Upper

75 100

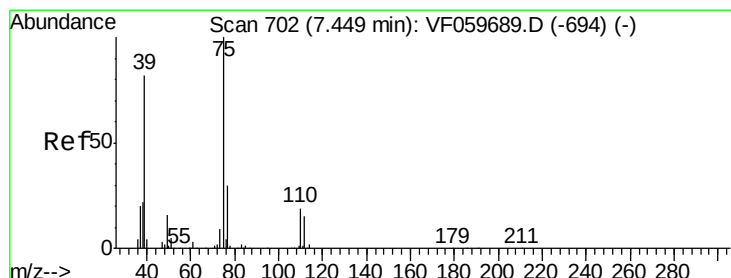
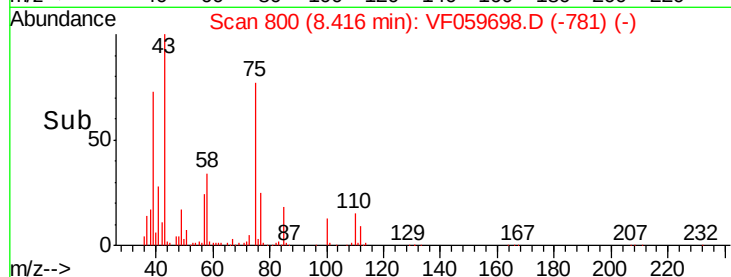
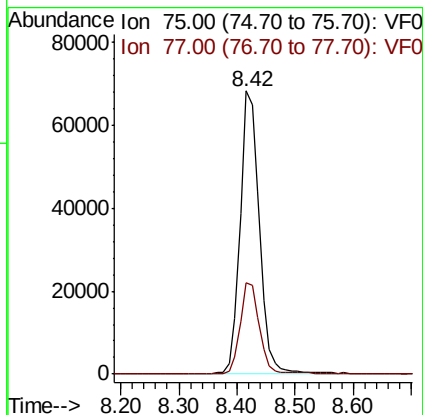
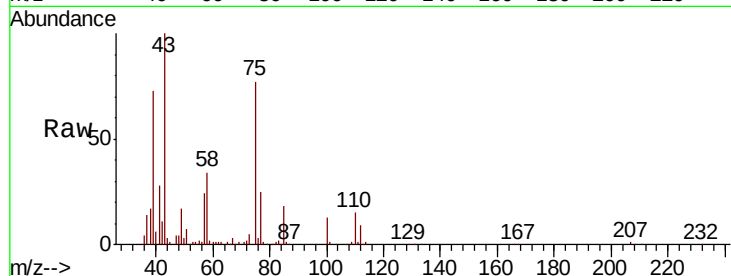
77 32.1 27.0 40.4

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#54

cis-1,3-Dichloropropene

Concen: 47.75 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

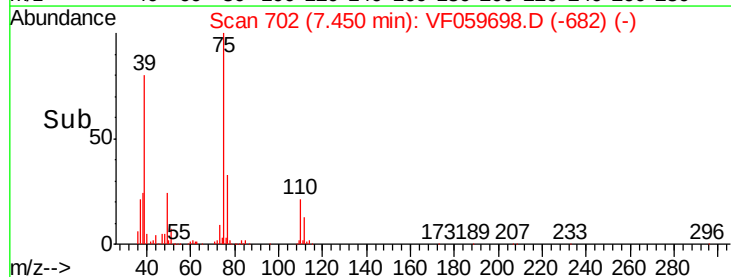
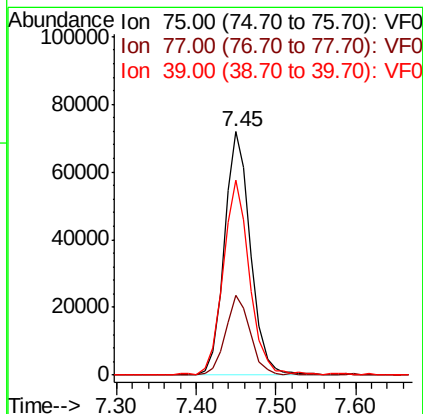
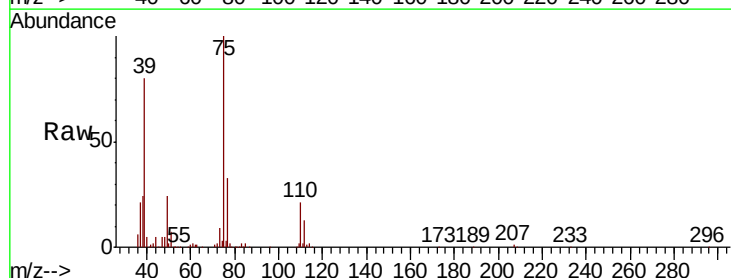
Tgt Ion: 75 Resp: 165978

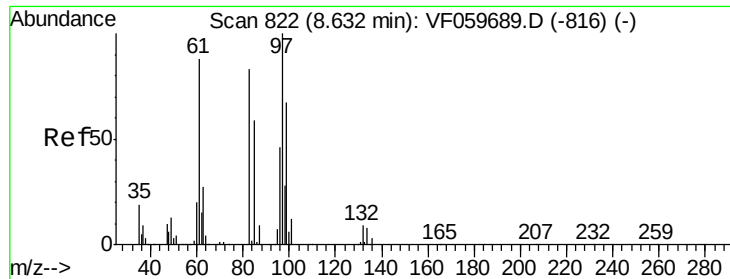
Ion Ratio Lower Upper

75 100

77 32.8 24.0 36.0

39 79.9 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 46.26 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

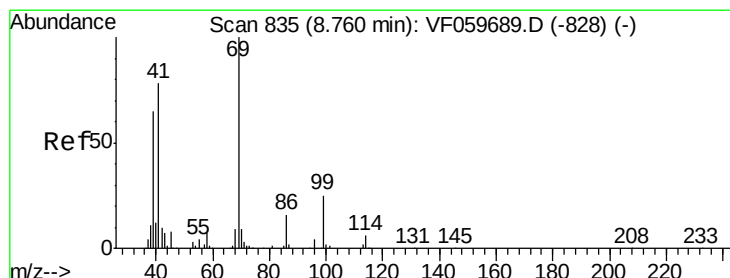
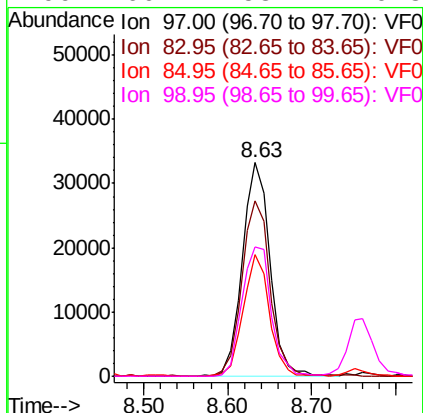
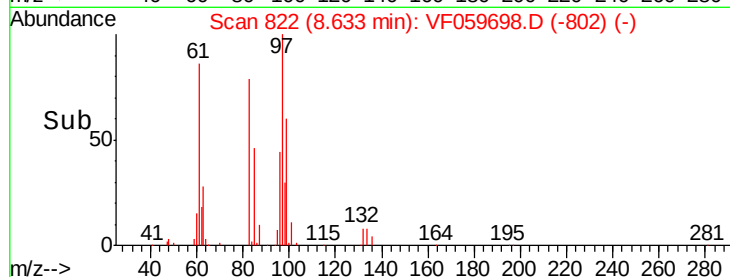
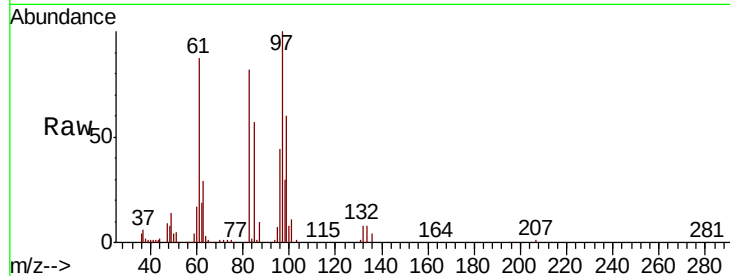
ICVVF073018

Tot Ion:	97	Resp:	75889
Ion	Ratio	Lower	Upper
97	100		
83	81.9	66.6	100.0
85	56.8	47.4	71.0
99	60.4	53.2	79.8

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#56

Ethyl methacrylate

Concen: 47.55 ug/l

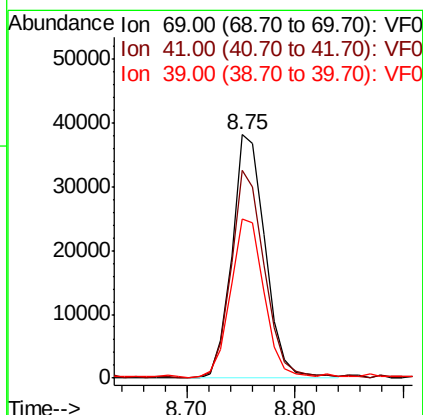
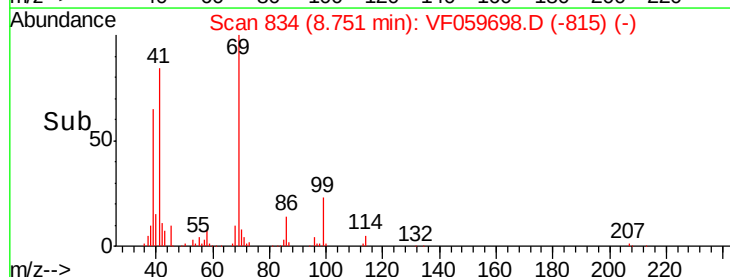
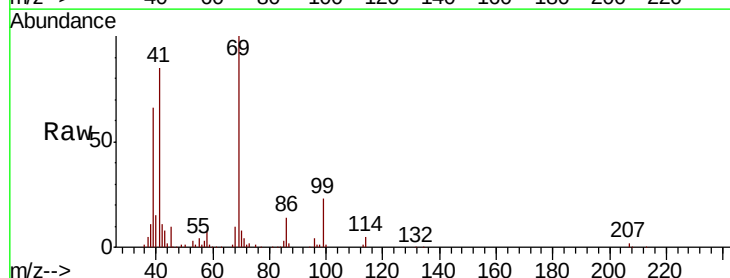
RT: 8.75 min Scan# 834

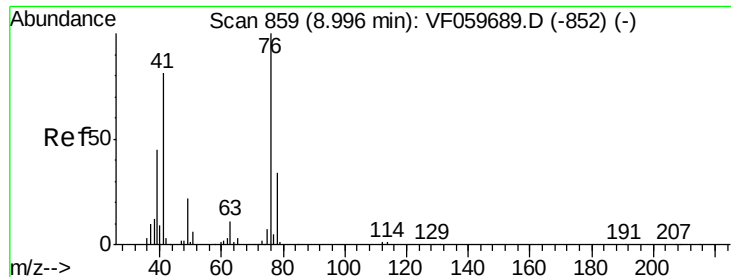
Delta R.T. -0.01 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Tgt Ion:	69	Resp:	81344
Ion	Ratio	Lower	Upper
69	100		
41	85.3	62.3	93.5
39	65.6	52.4	78.6





#57

1,3-Dichloropropane

Concen: 46.94 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Tot Ion: 76 Resp: 132095

Ion Ratio Lower Upper

76 100

78 33.0 27.2 40.8

Instrument :

MSVOA_F

ClientSampleId :

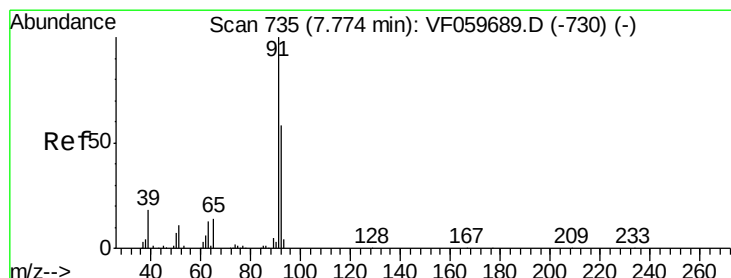
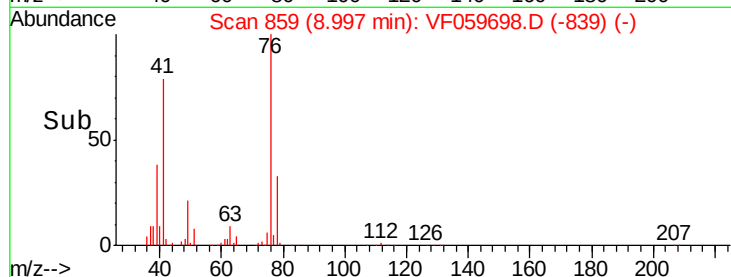
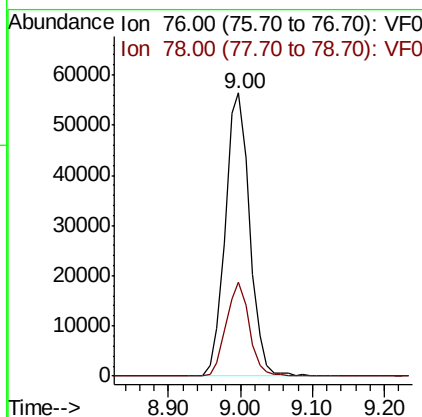
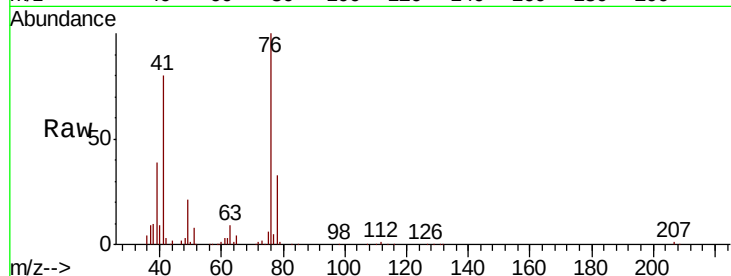
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#58

2-Chloroethyl Vinyl ether

Concen: 213.33 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059698.D

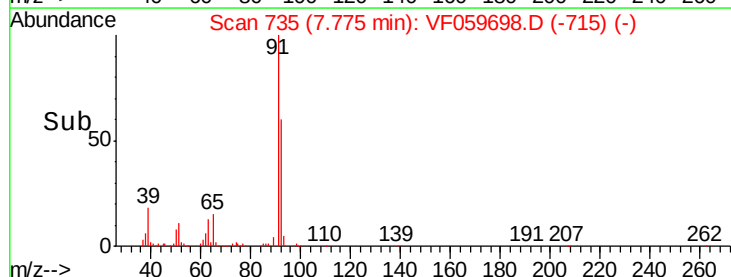
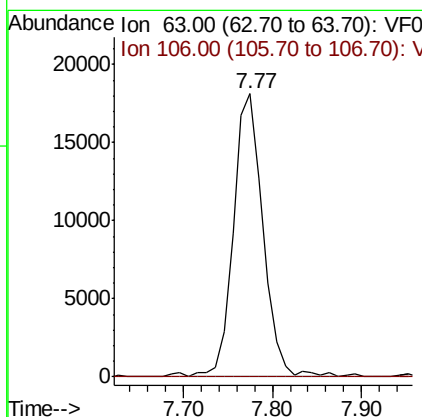
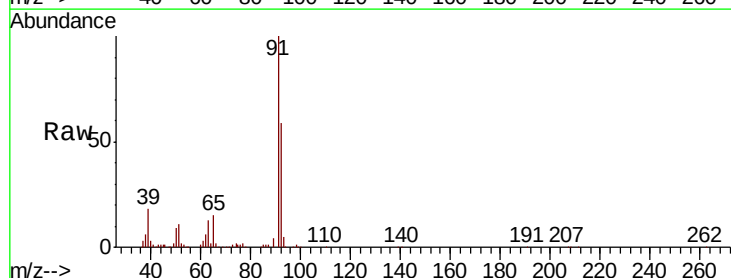
Acq: 30 Jul 2018 20:27

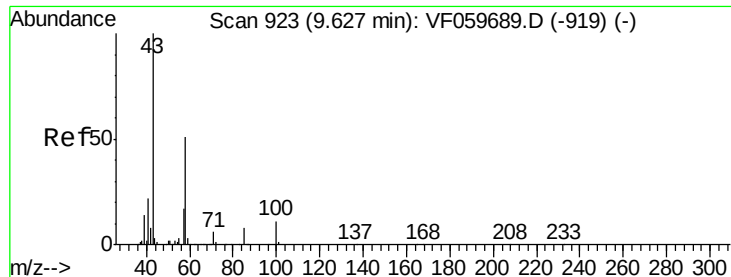
Tgt Ion: 63 Resp: 42139

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





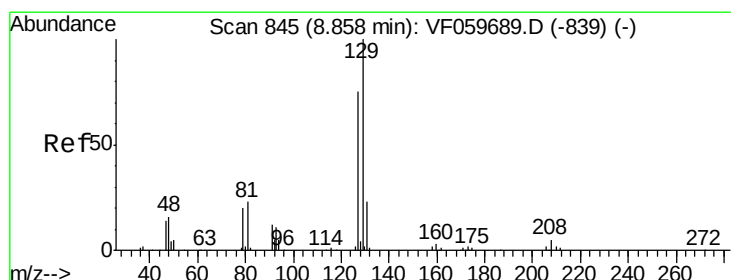
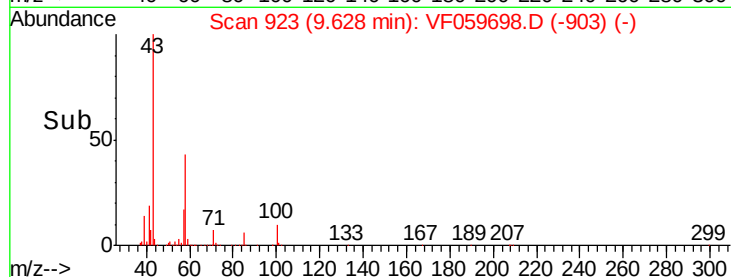
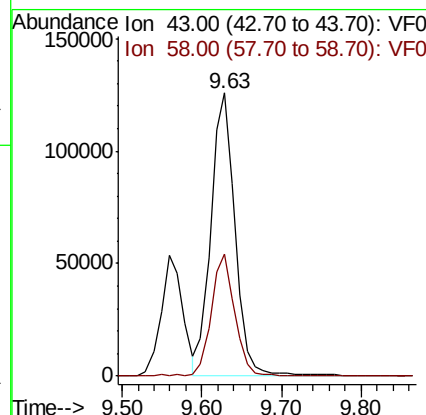
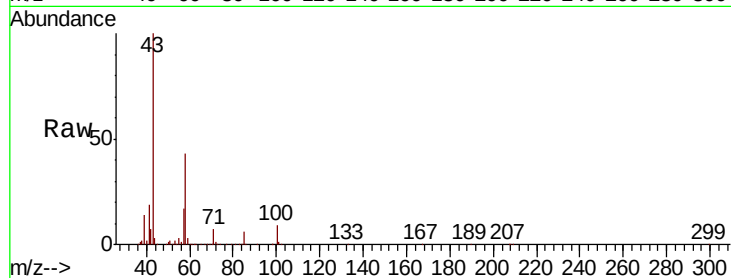
#59
2-Hexanone
Concen: 241.88 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :
ICVVF073018

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.3	23.3	69.8

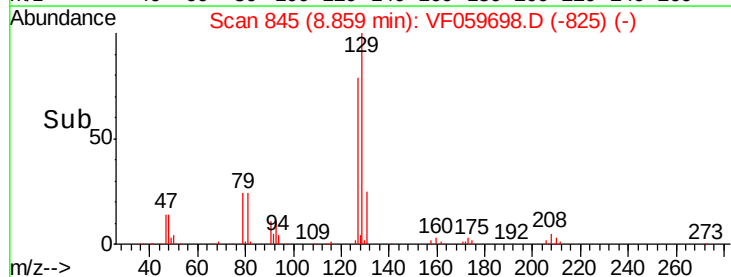
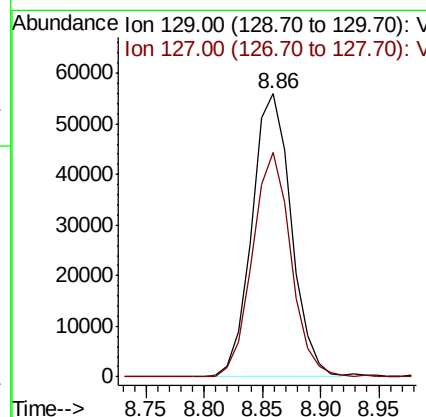
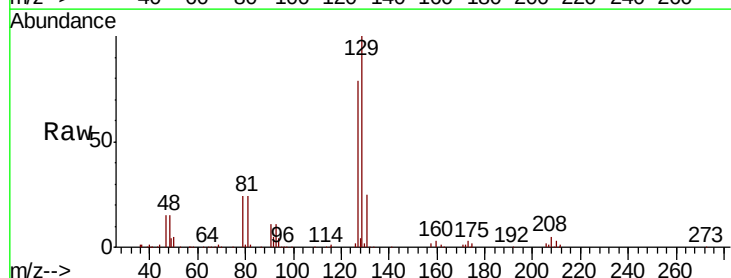
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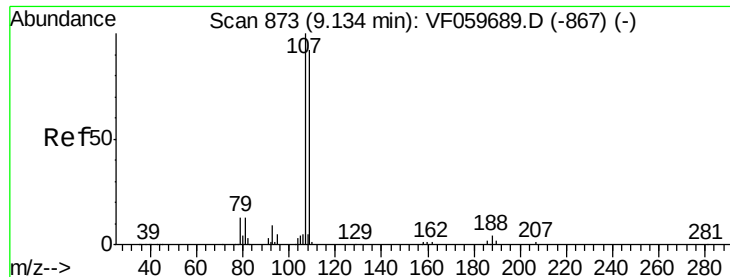
apatel
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#60
Dibromochloromethane
Concen: 45.26 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.1	37.7	113.1





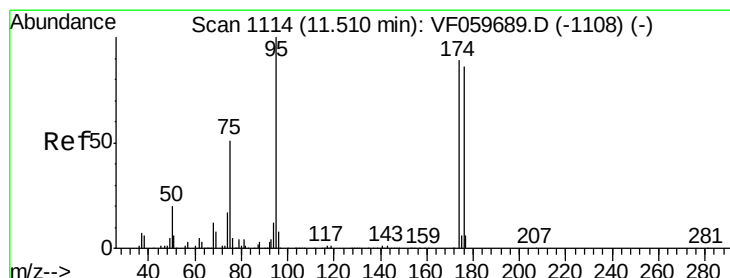
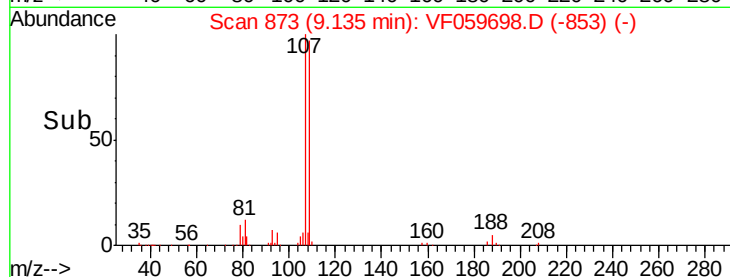
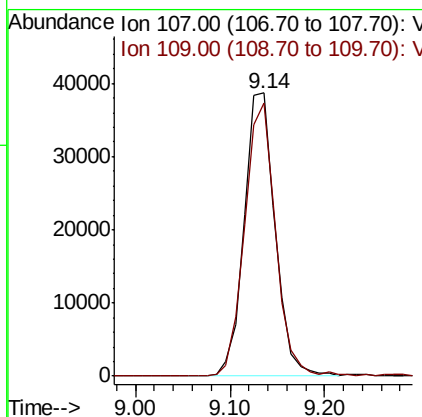
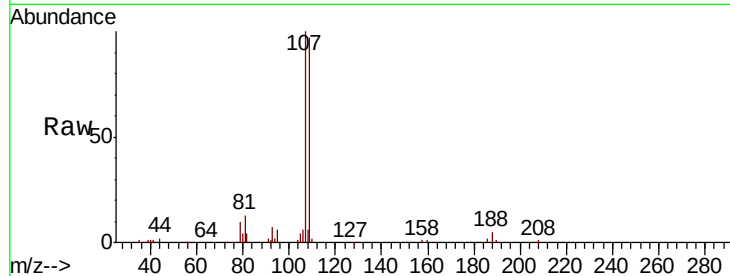
#61
 1,2-Dibromoethane
 Concen: 45.88 ug/l
 RT: 9.14 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF073018

Tot Ion: 107 Resp: 87896
 Ion Ratio Lower Upper
 107 100
 109 96.7 73.6 110.4

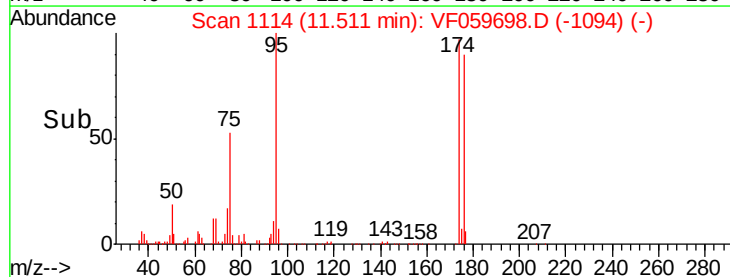
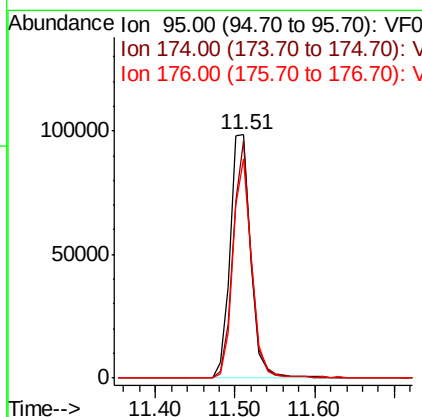
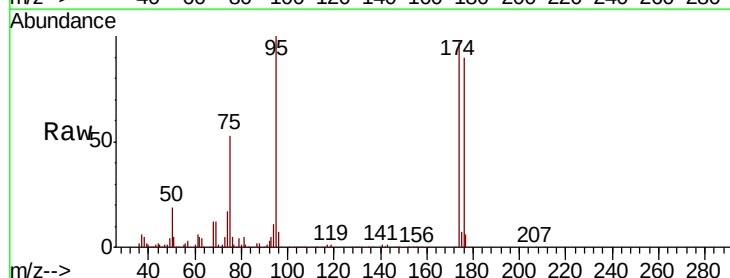
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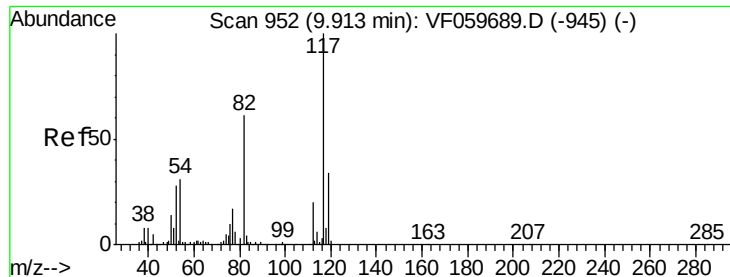
apatel
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#62
 4-Bromofluorobenzene
 Concen: 45.11 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Tgt Ion: 95 Resp: 181430
 Ion Ratio Lower Upper
 95 100
 174 97.3 0.0 178.4
 176 89.8 0.0 173.0





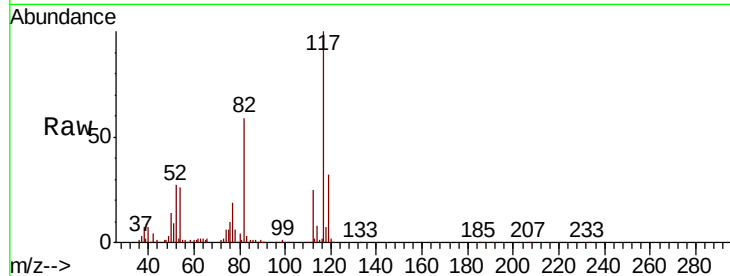
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :
ICVVF073018

Tot Ion	Ratio	Resp	Lower	Upper
117	100	289997		
82	59.1		49.0	73.4
119	31.8		27.3	40.9

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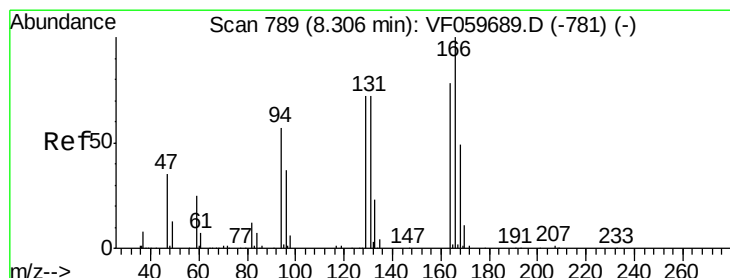
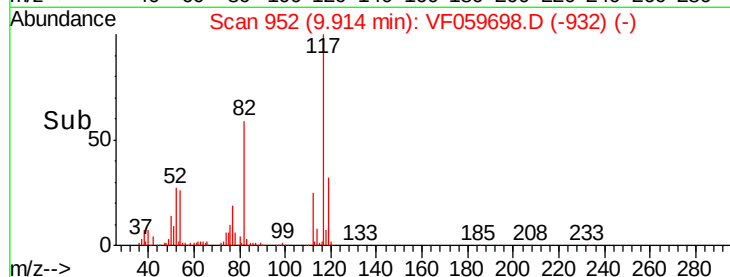
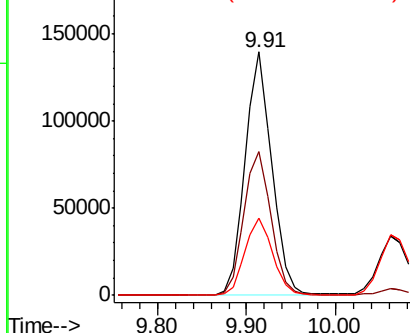


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 51.22 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	100067		
166	129.3		102.1	153.1
129	93.6		73.8	110.6
131	102.2		73.1	109.7

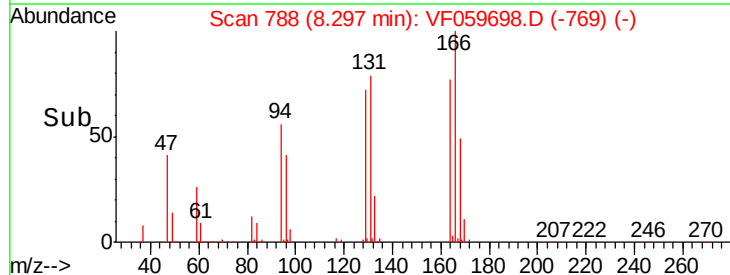
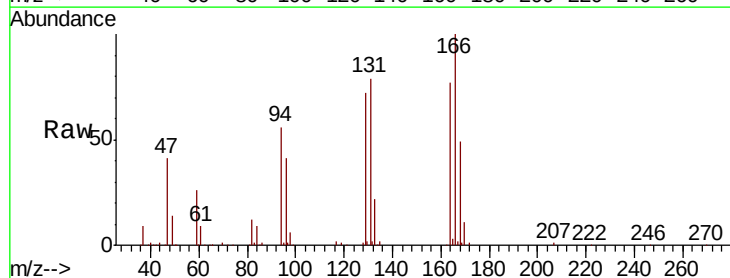
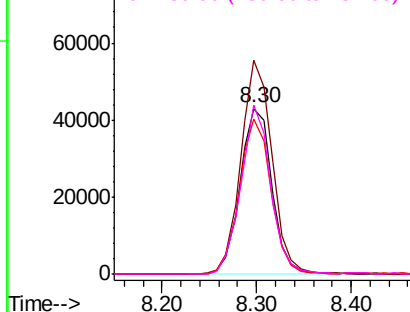
Abundance

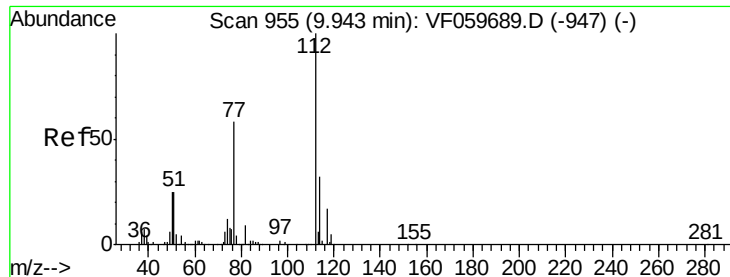
Ion 163.85 (163.55 to 164.55): V

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





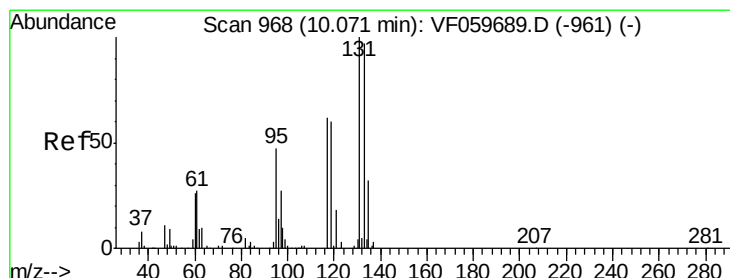
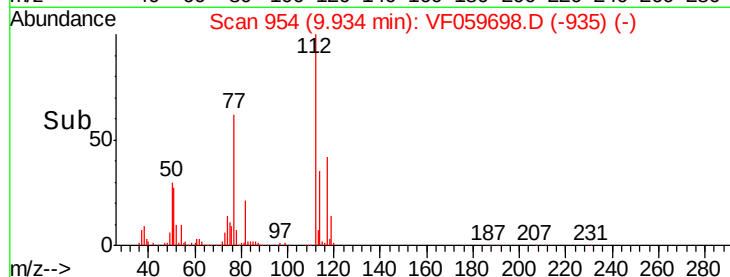
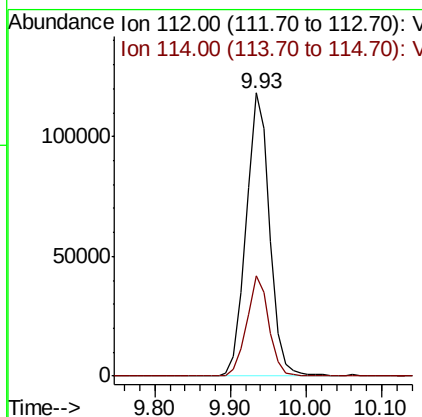
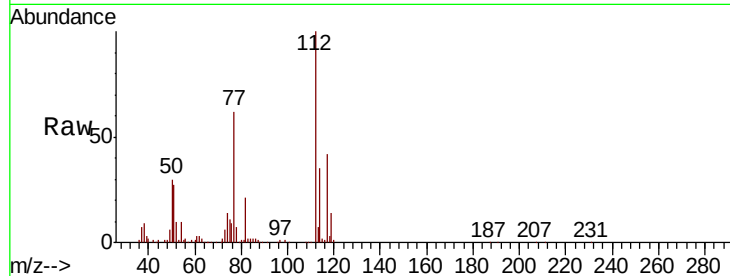
#65
Chlorobenzene
Concen: 43.96 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampled :
ICVVF073018

Tot Ion	Ratio	Lower	Upper
112	100		
114	35.5	25.6	38.4

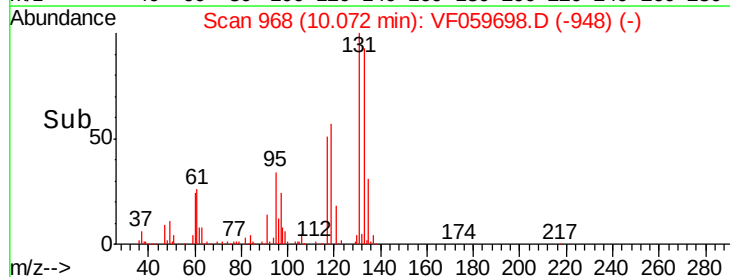
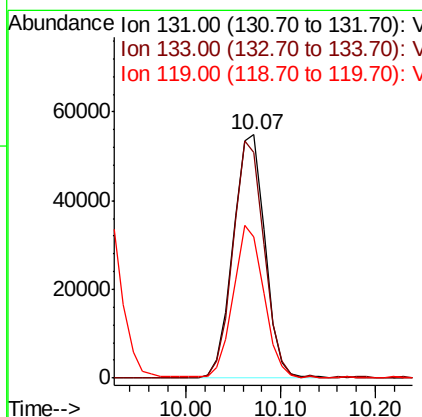
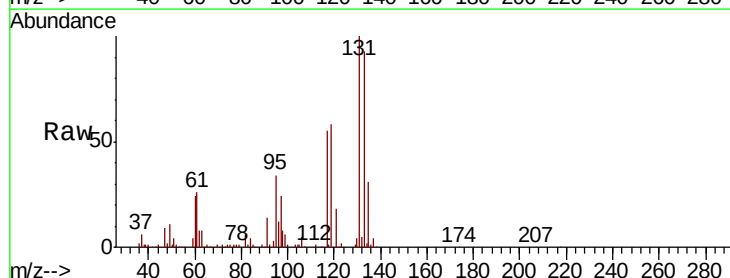
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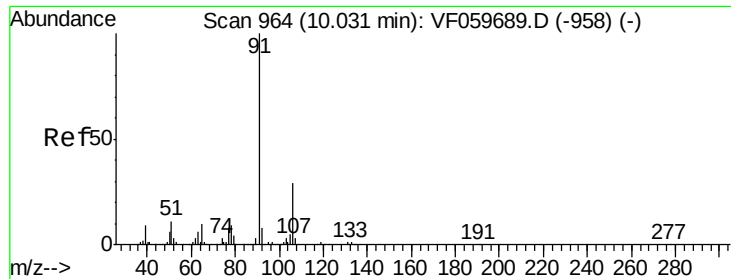
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#66
1,1,1,2-Tetrachloroethane
Concen: 47.16 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.5	48.5	145.5
119	57.8	30.3	90.8





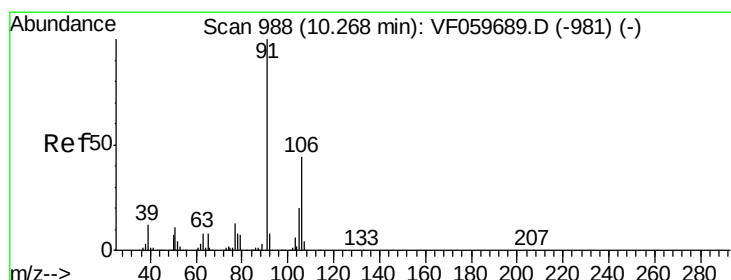
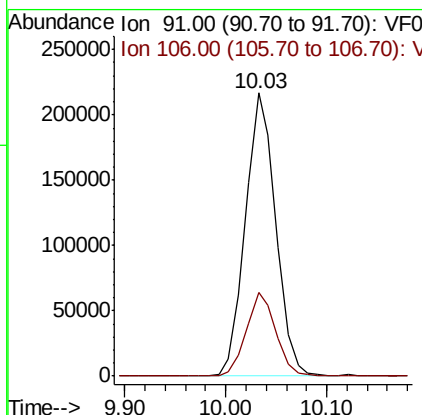
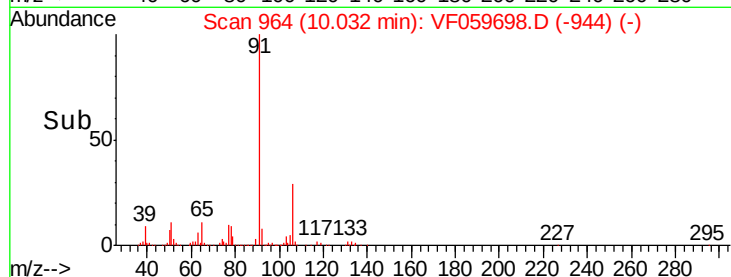
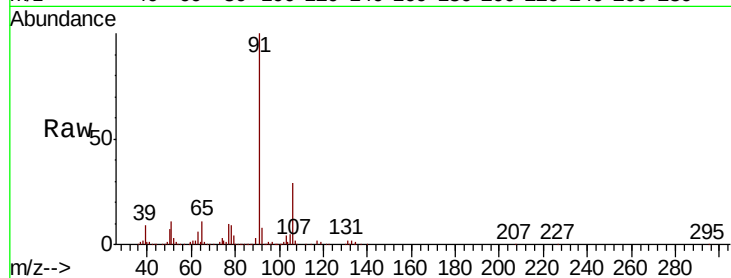
#67
Ethyl Benzene
Concen: 45.40 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :
ICVVF073018

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.4	22.9	34.3

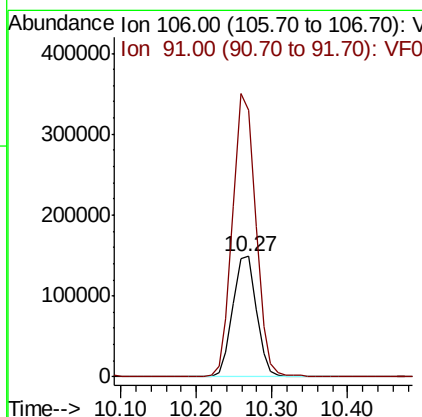
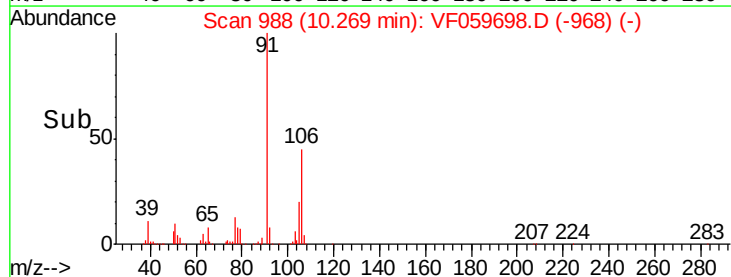
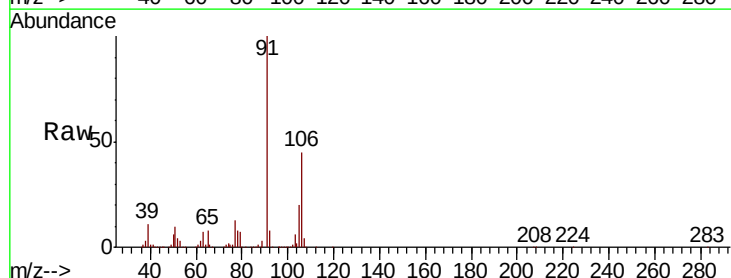
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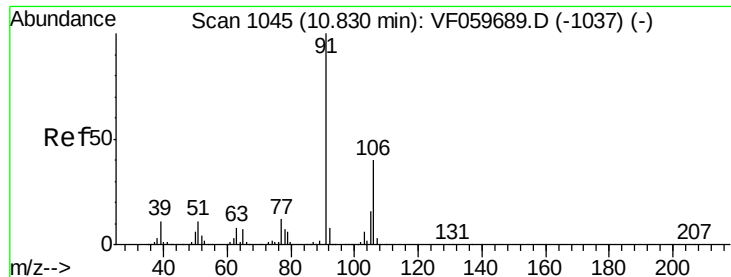
apatel
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#68
m/p-Xylenes
Concen: 103.52 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
106	100		
91	221.4	181.7	272.5





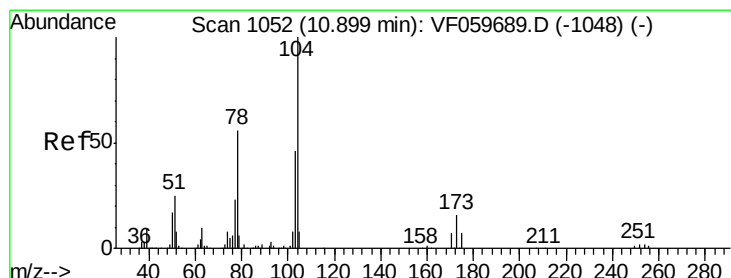
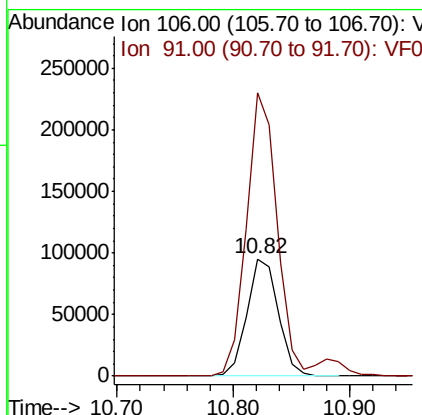
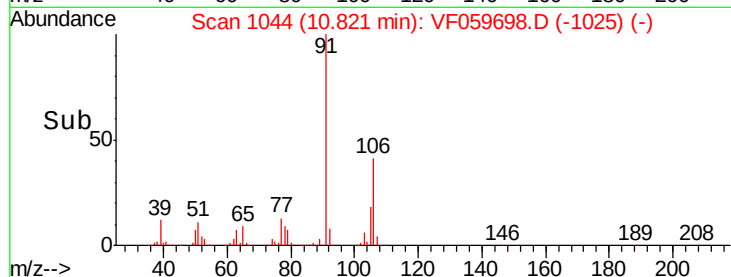
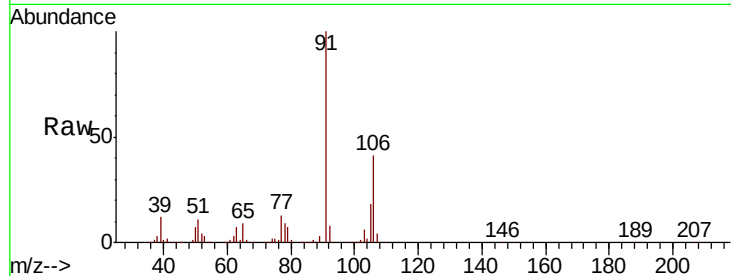
#69
o-Xylene
Concen: 48.07 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :
ICVVF073018

Tot Ion:106 Resp: 177768
Ion Ratio Lower Upper
106 100
91 242.0 124.6 373.7

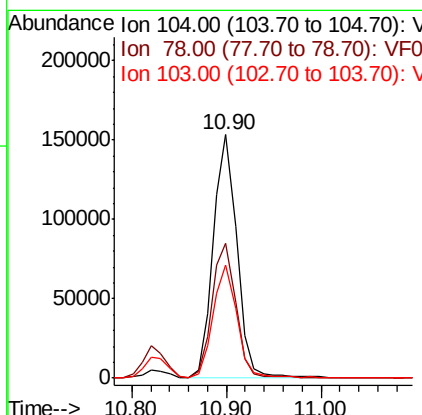
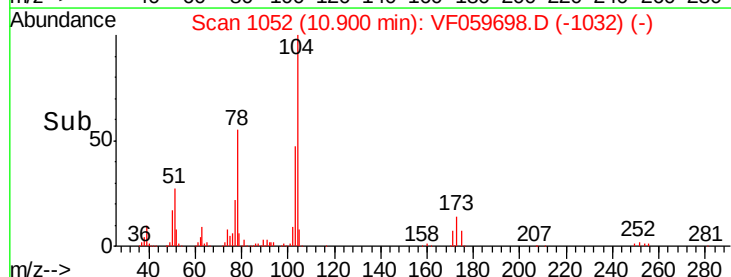
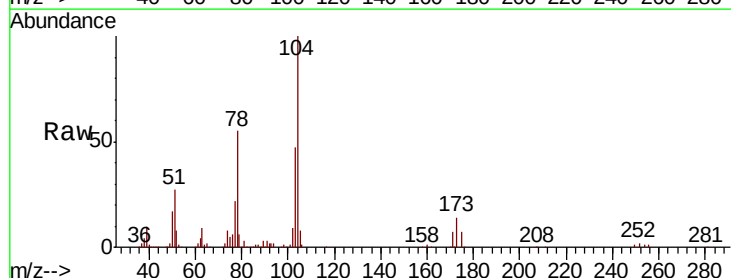
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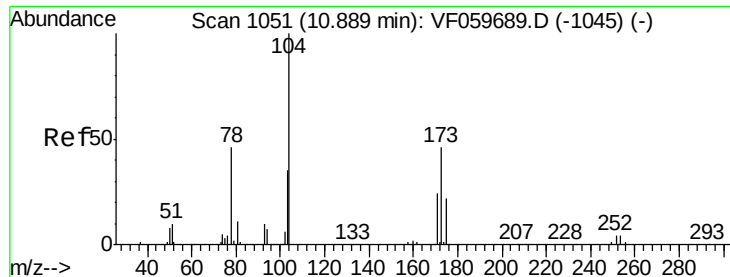
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#70
Styrene
Concen: 47.42 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion:104 Resp: 265680
Ion Ratio Lower Upper
104 100
78 55.2 45.3 67.9
103 46.6 36.6 54.8





#71

Bromoform

Concen: 47.01 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

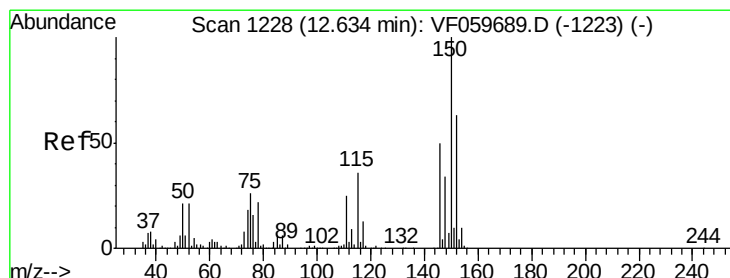
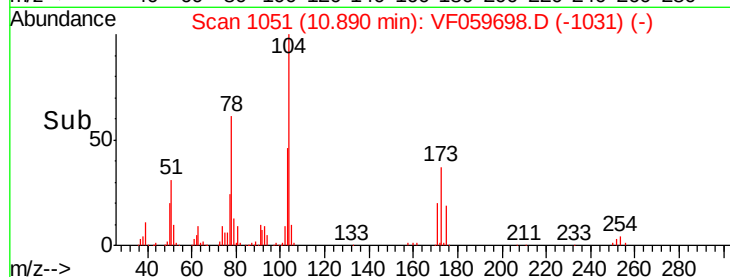
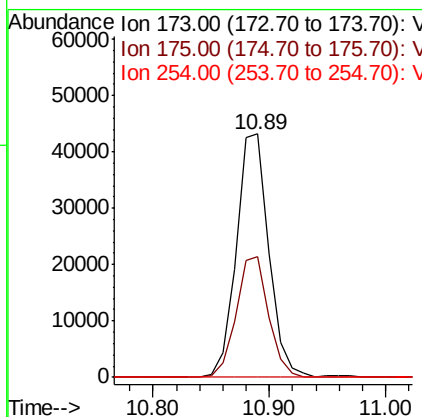
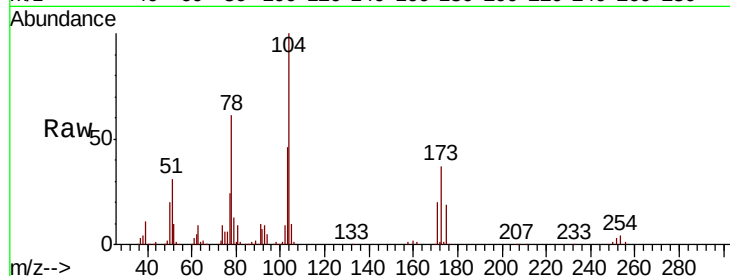
ClientSampleId :

ICVVF073018

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.4	70.0
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

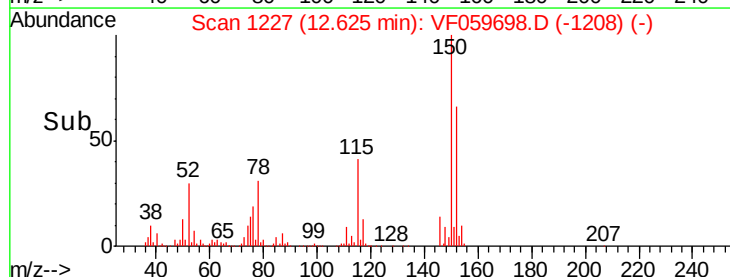
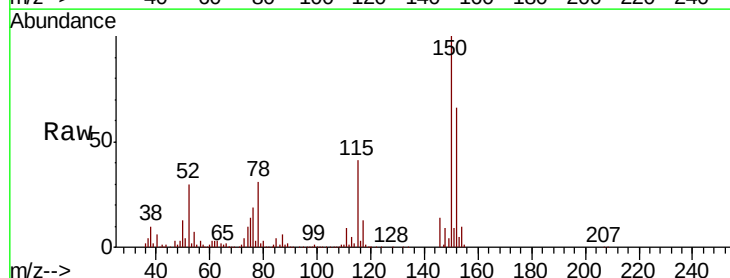
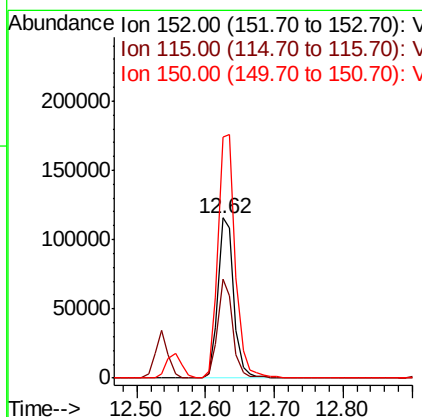
RT: 12.62 min Scan# 1227

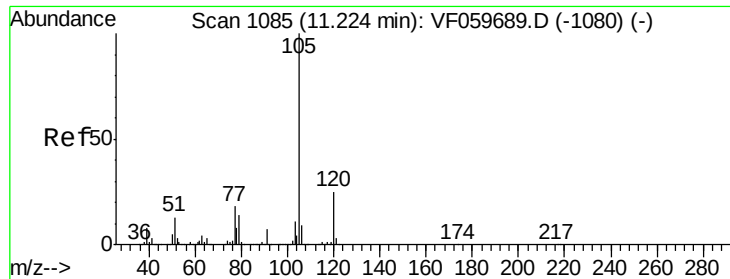
Delta R.T. -0.01 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.1	28.2	84.6
150	150.8	0.0	316.2





#73

Isopropylbenzene

Concen: 46.68 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

ICVVF073018

Tot Ion:105 Resp: 567978

Ion Ratio Lower Upper

105 100

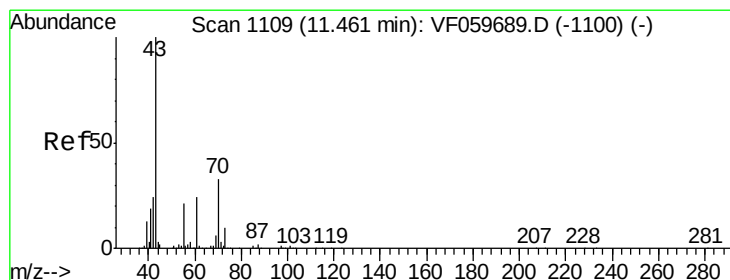
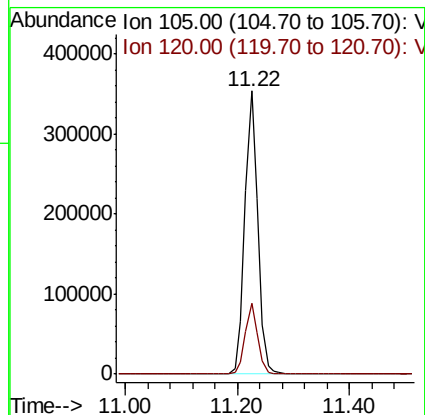
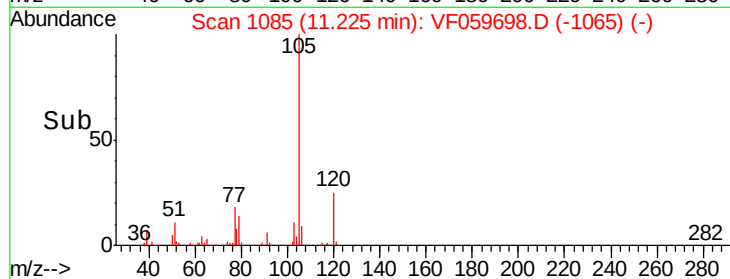
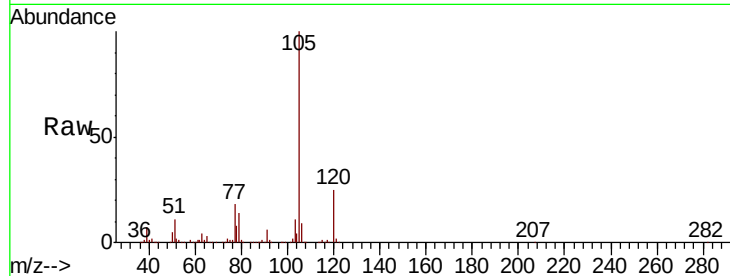
120 24.9 12.4 37.4

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#74

N-ethyl acetate

Concen: 50.33 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Tgt Ion: 43 Resp: 154507

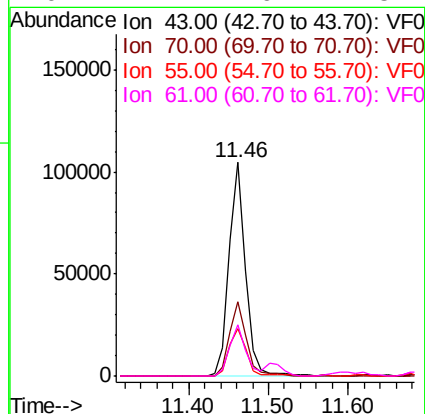
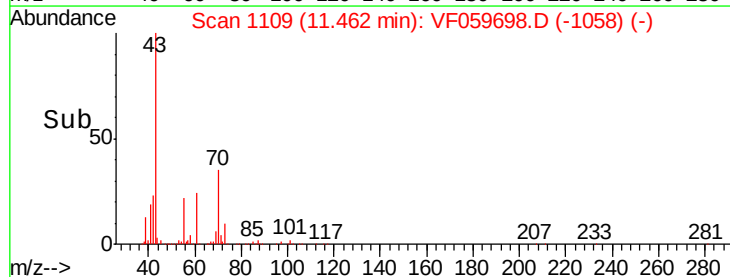
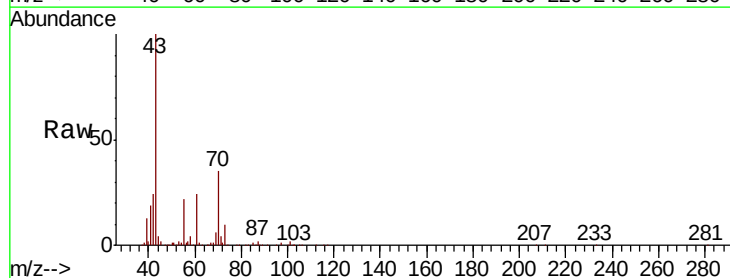
Ion Ratio Lower Upper

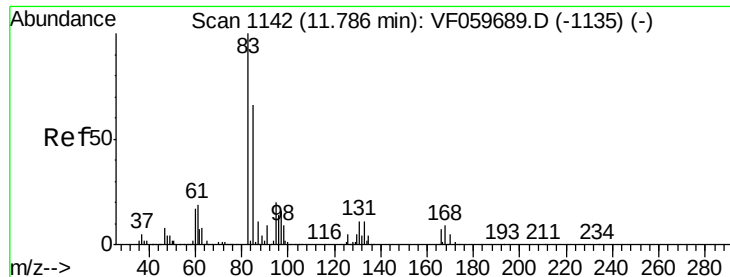
43 100

70 34.7 26.3 39.5

55 22.0 16.6 25.0

61 24.1 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 48.80 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

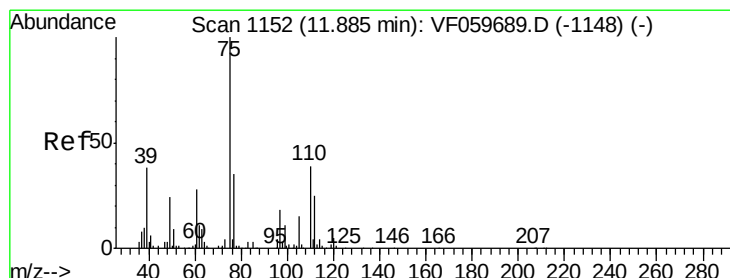
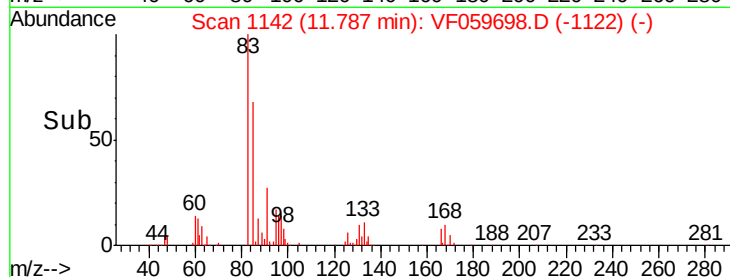
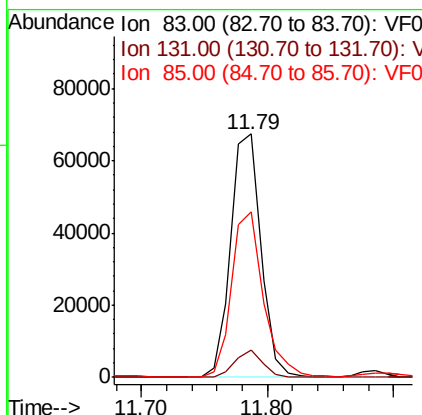
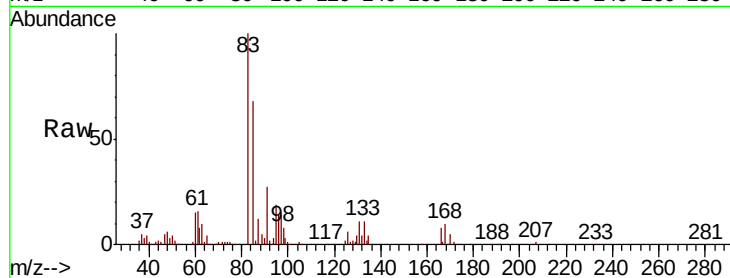
ClientSampleId :

ICVVF073018

Tot Ion:	83	Resp:	111782
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.8	17.3
85	68.0	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 45.90 ug/l

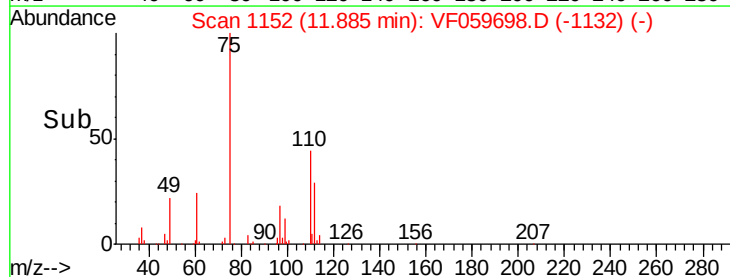
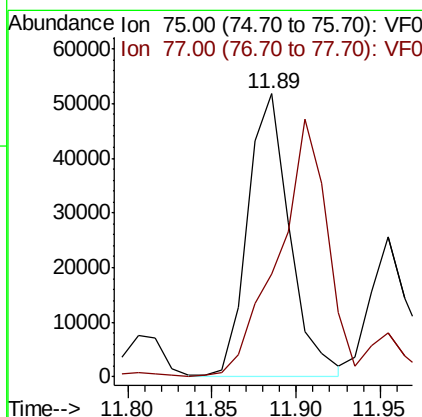
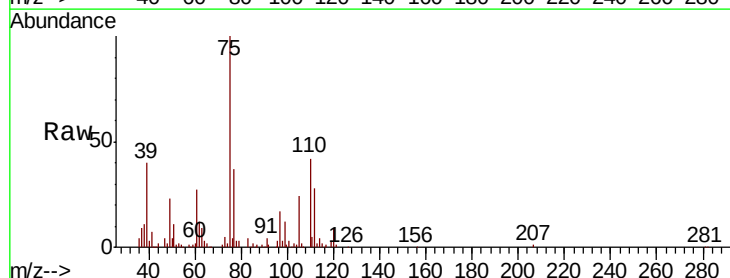
RT: 11.89 min Scan# 1152

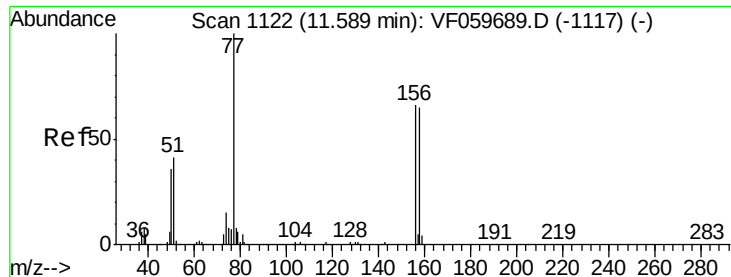
Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Tgt Ion:	75	Resp:	89413
Ion Ratio	Lower	Upper	
75	100		
77	36.6	18.0	54.0





#77

Bromobenzene

Concen: 45.41 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

ICVVF073018

Tot Ion: 156 Resp: 144299

Ion Ratio Lower Upper

156 100

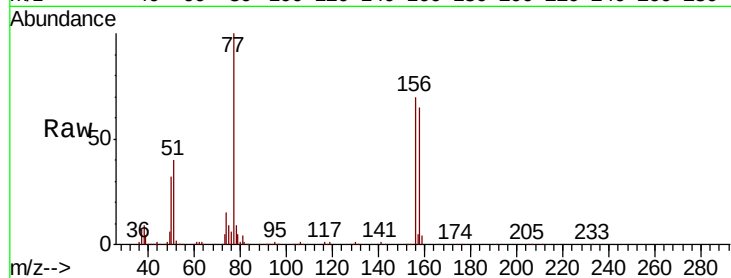
77 143.8 75.2 225.6

158 92.9 49.1 147.3

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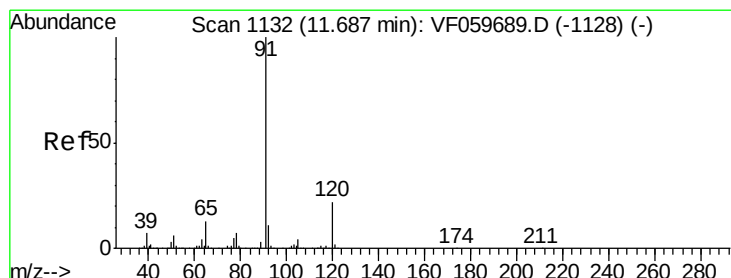
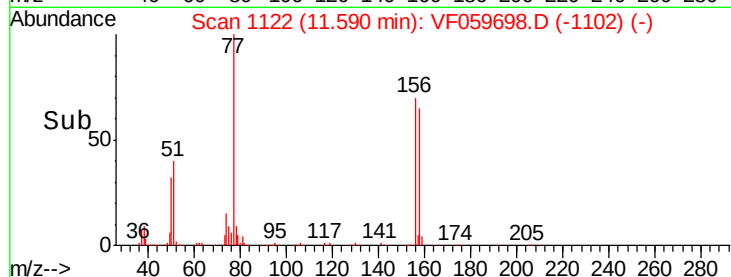
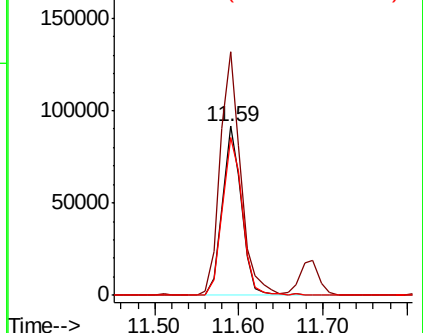
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 50.27 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF059698.D

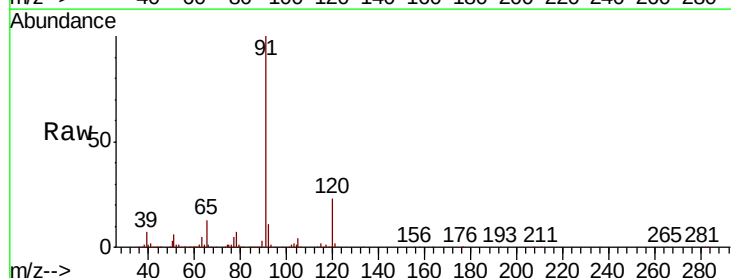
Acq: 30 Jul 2018 20:27

Tgt Ion: 91 Resp: 626645

Ion Ratio Lower Upper

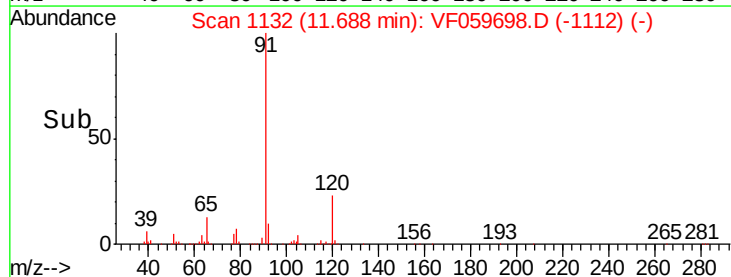
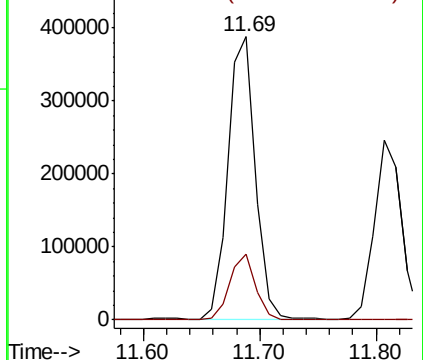
91 100

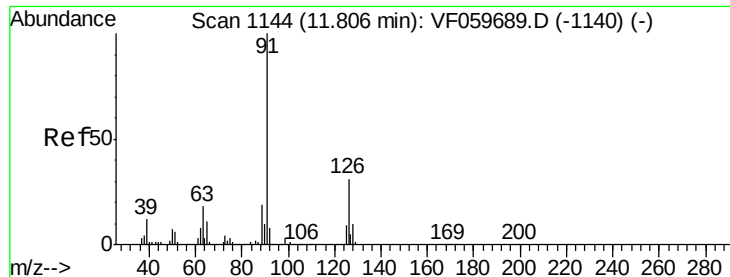
120 23.1 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.32 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

ICVVF073018

Tot Ion: 91 Resp: 394804

Ion Ratio Lower Upper

91 100

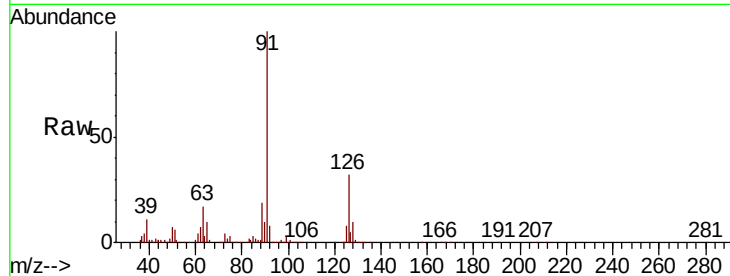
126 32.0 15.4 46.2

Manual Integrations

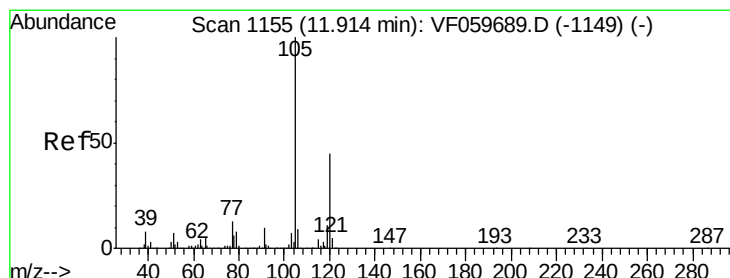
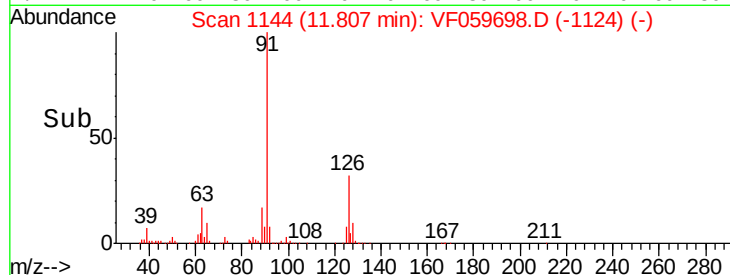
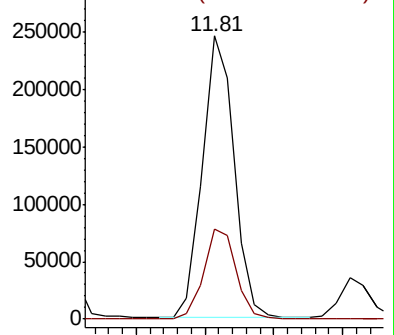
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Abundance Ion 91.00 (90.70 to 91.70): VF0



#80

1,3,5-Trimethylbenzene

Concen: 50.80 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059698.D

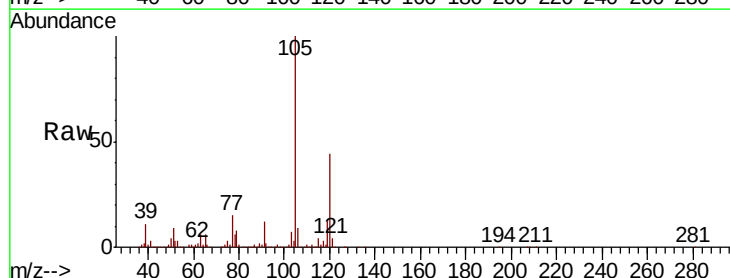
Acq: 30 Jul 2018 20:27

Tgt Ion: 105 Resp: 490598

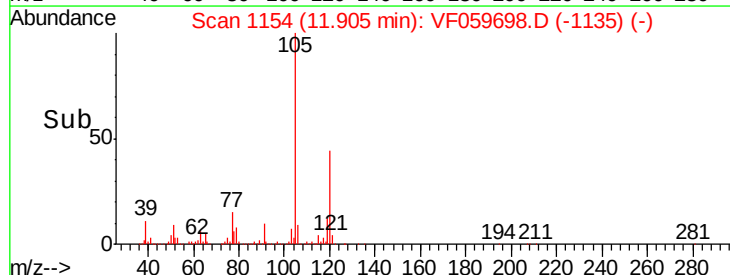
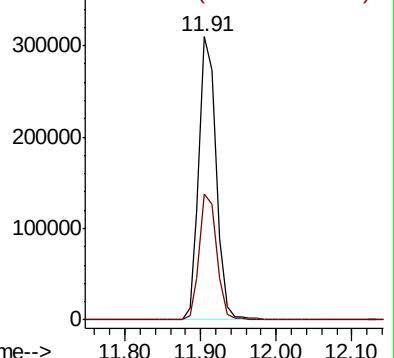
Ion Ratio Lower Upper

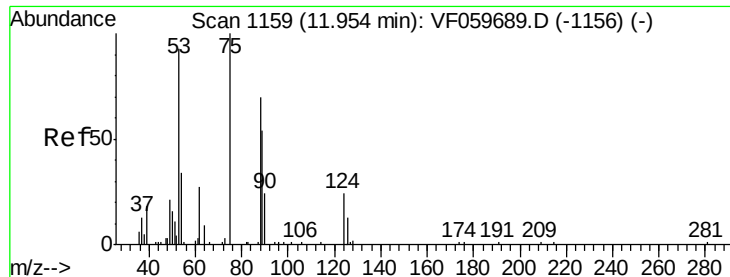
105 100

120 44.4 22.7 68.0



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.23 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059698.D

Acq: 30 Jul 2018 20:27

Instrument :

MSVOA_F

ClientSampleId :

ICVVF073018

Tot Ion: 75 Resp: 39716

Ion Ratio Lower Upper

75 100

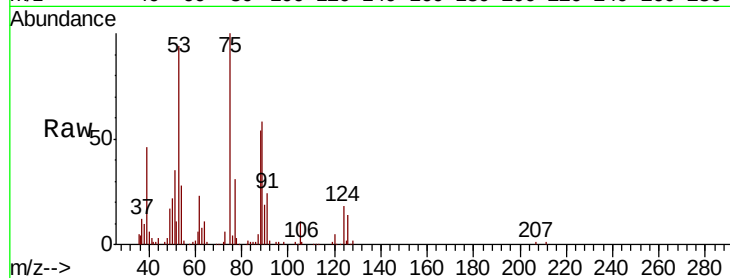
53 93.9 78.3 117.5

89 58.0 45.4 68.2

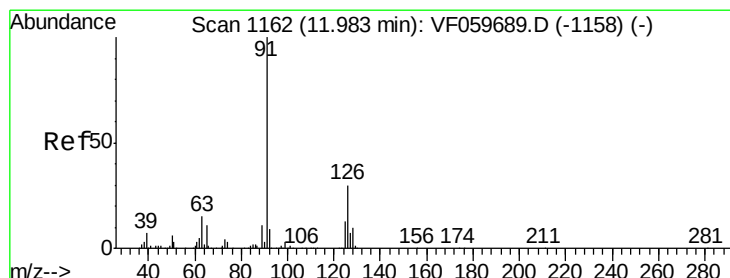
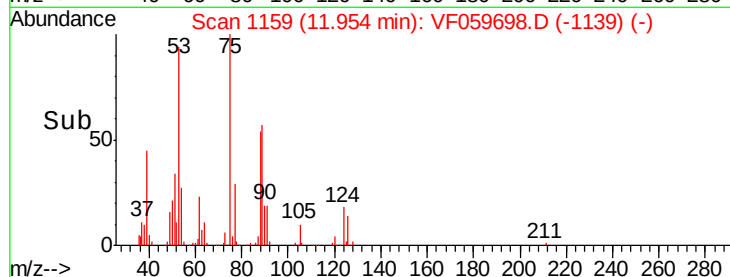
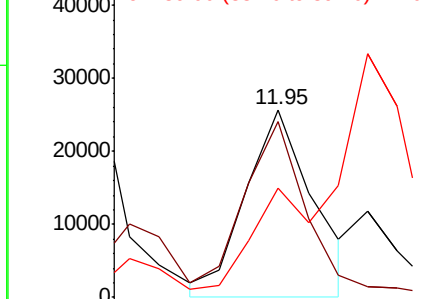
Manual Integrations
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Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 49.62 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059698.D

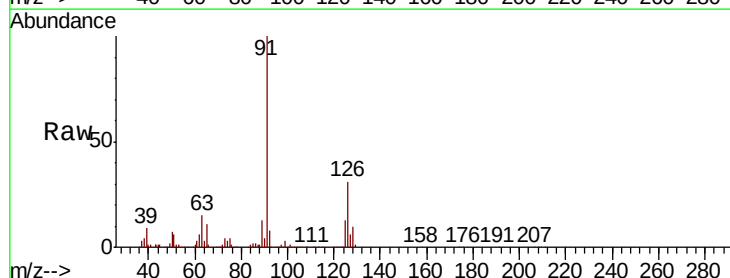
Acq: 30 Jul 2018 20:27

Tgt Ion: 91 Resp: 416362

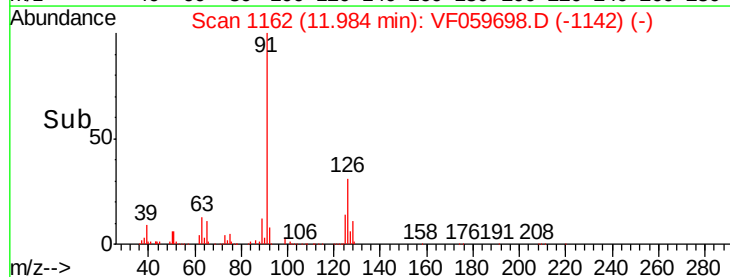
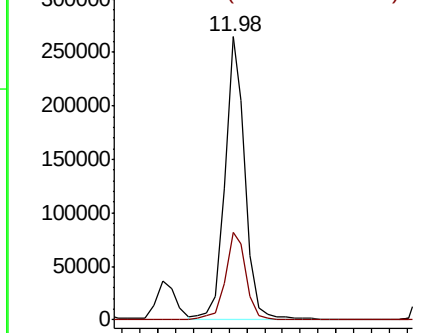
Ion Ratio Lower Upper

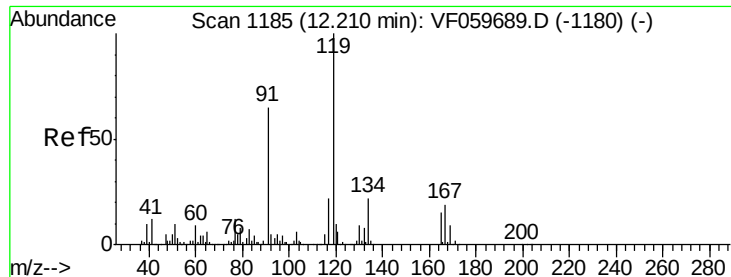
91 100

126 30.9 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V





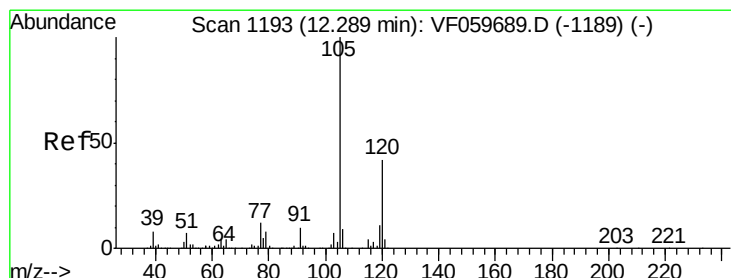
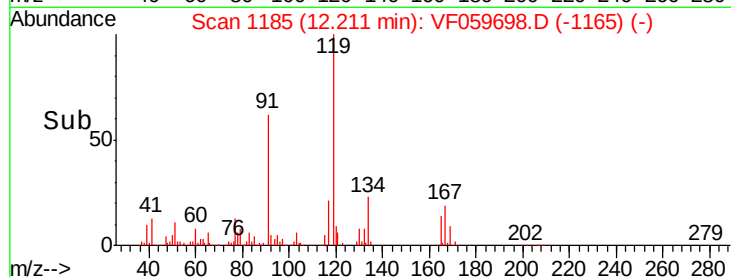
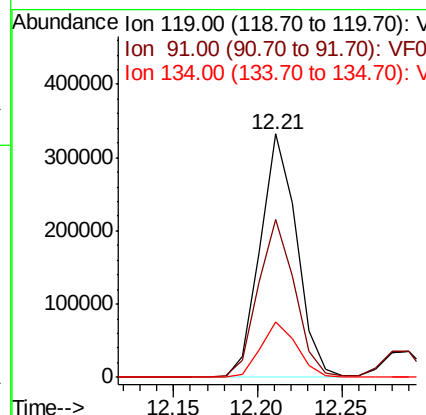
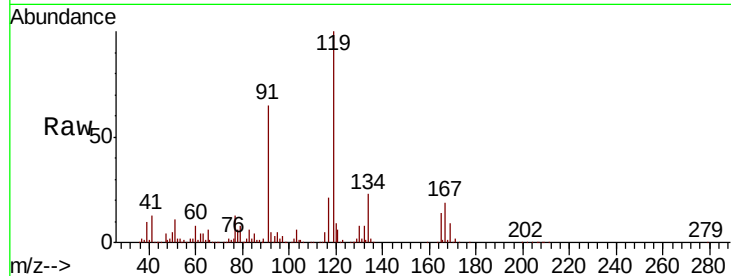
#83
 tert-Butylbenzene
 Concen: 45.86 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF073018

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.8	98.4
134	22.7	10.9	32.7

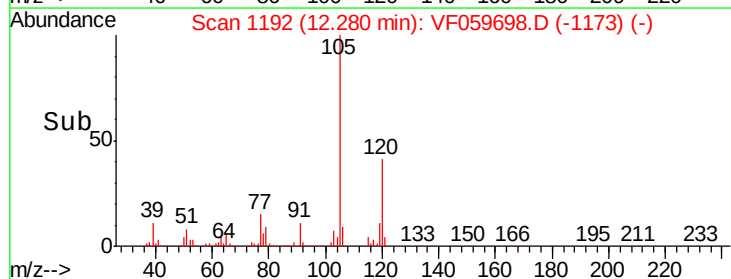
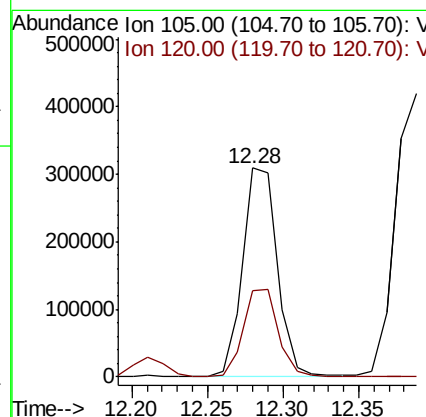
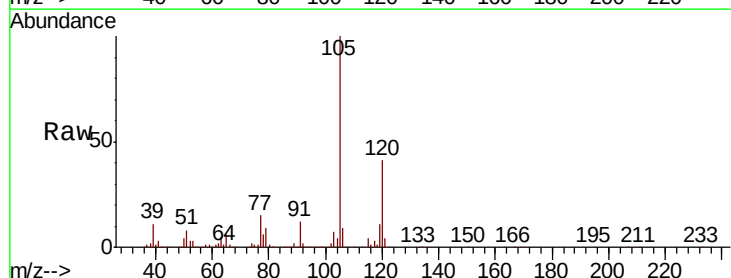
Manual Integrations
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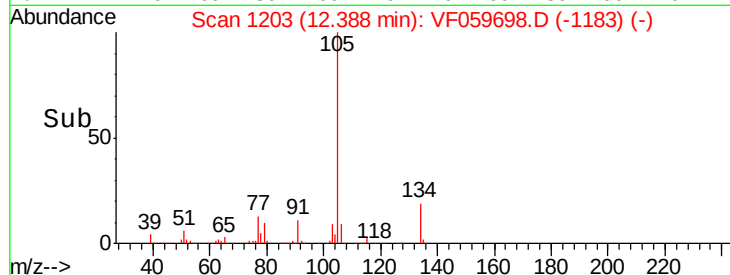
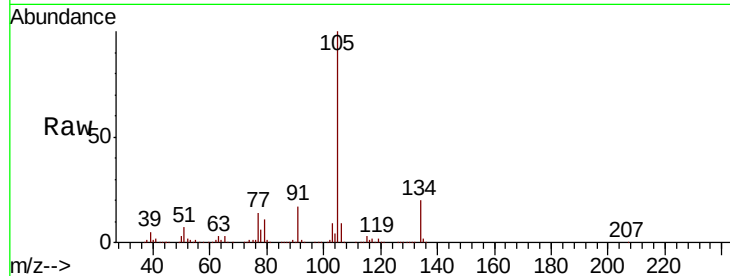
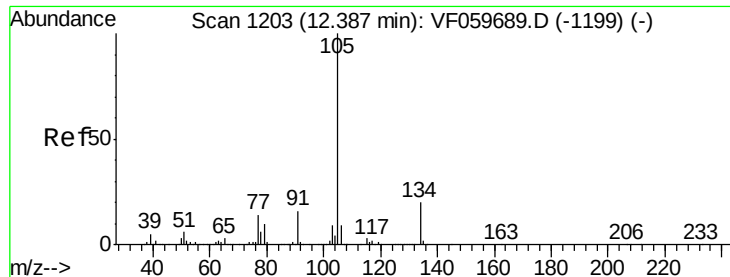
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.29 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.2	21.1	63.3





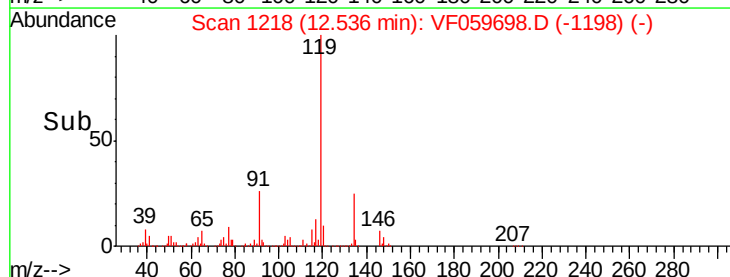
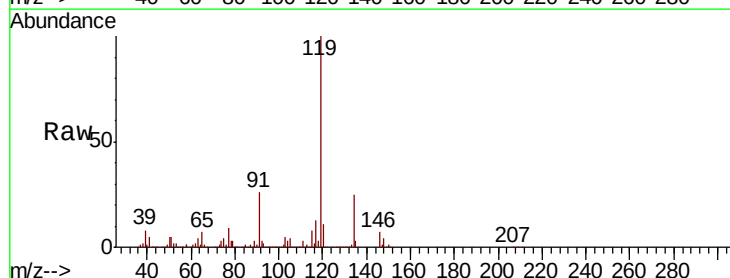
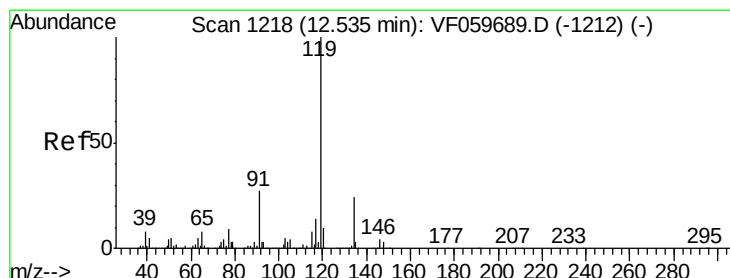
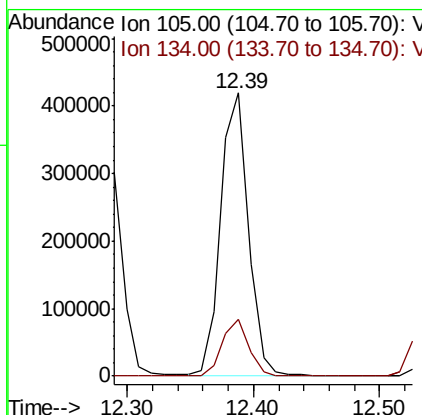
#85
 sec-Butylbenzene
 Concen: 51.59 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVVF073018

Tot Ion	Ratio	Resp	Lower	Upper
105	100	639110		
134	20.1	9.8	29.3	

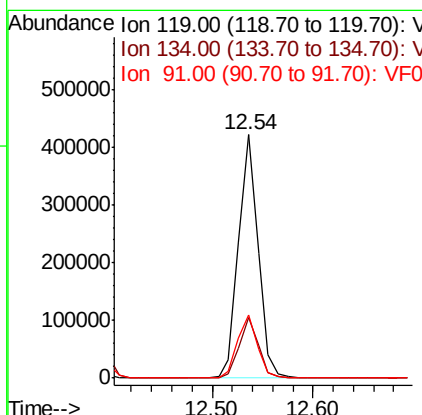
Manual Integrations
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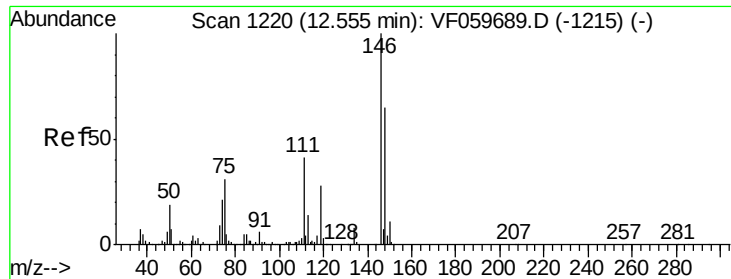
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#86
 p-Isopropyltoluene
 Concen: 52.61 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	566961		
134	24.7	12.2	36.6	
91	25.9	13.4	40.2	





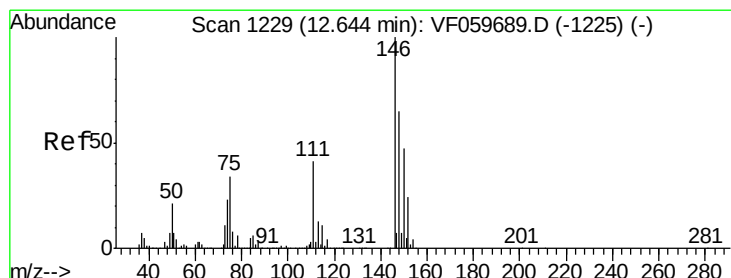
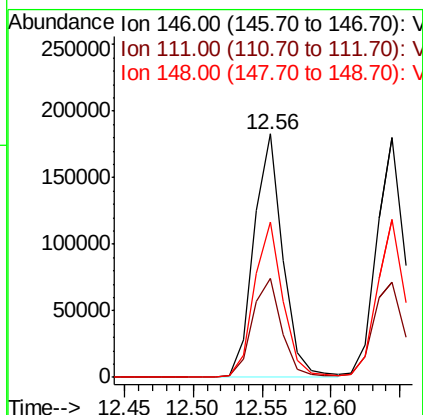
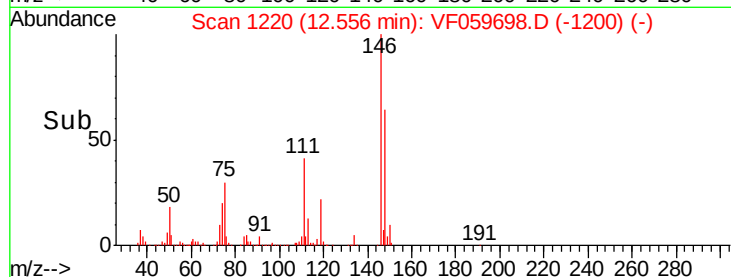
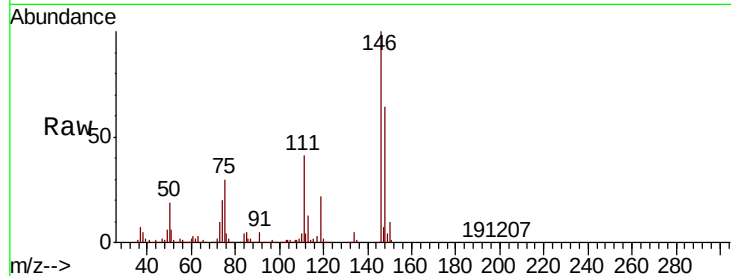
#87
 1,3-Dichlorobenzene
 Concen: 51.80 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF073018

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.7	62.1
148	64.0	32.3	96.8

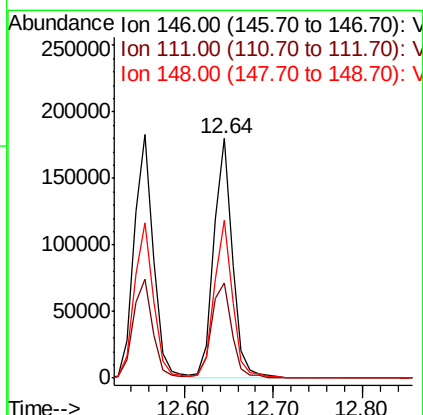
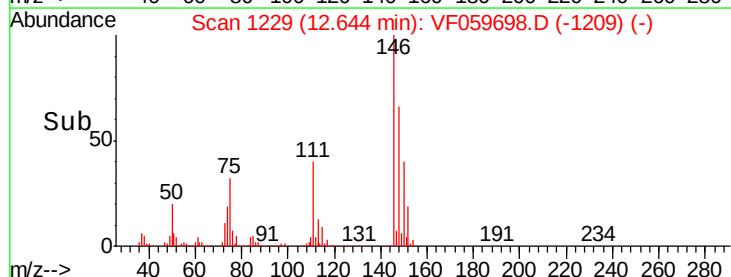
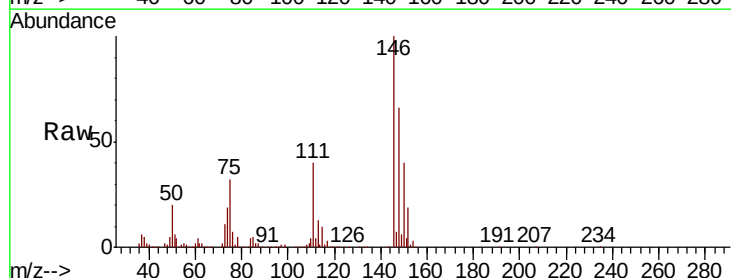
Manual Integrations
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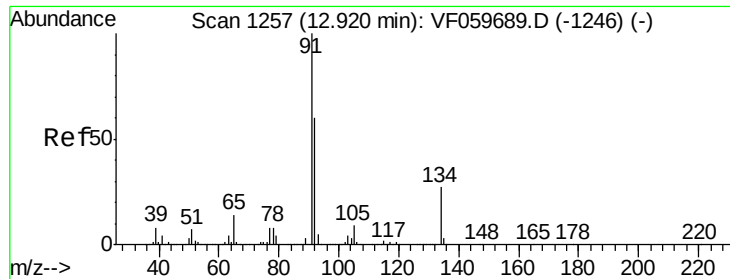
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#88
 1,4-Dichlorobenzene
 Concen: 49.97 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.8	62.2
148	65.7	32.3	96.9





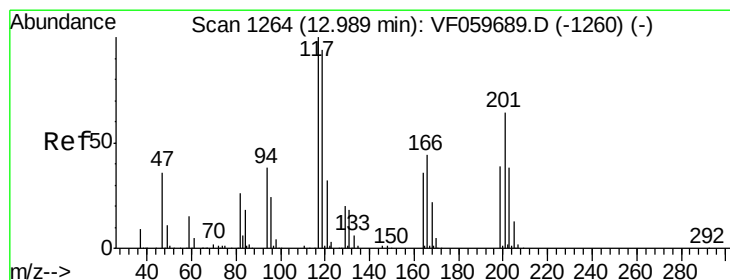
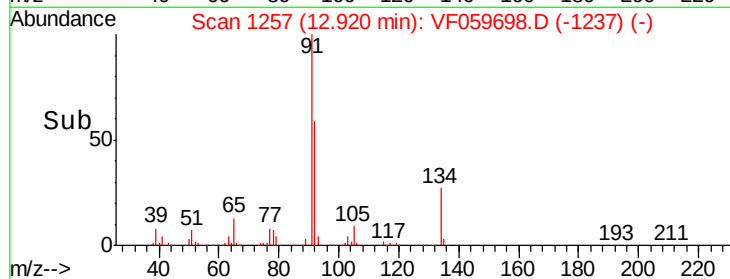
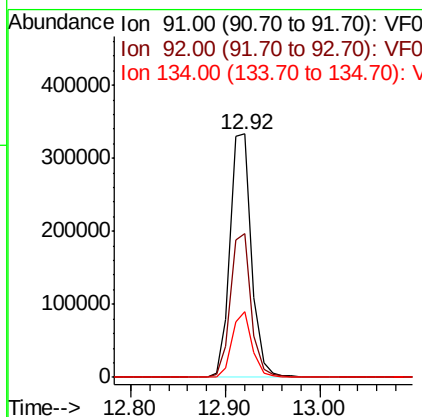
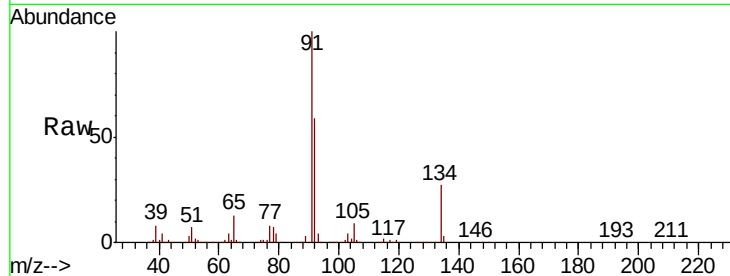
#89
n-Butylbenzene
Concen: 51.19 ug/l
RT: 12.92 min Scan# 1257
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :
ICVVF073018

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.8	30.1	90.3
134	27.2	13.7	41.0

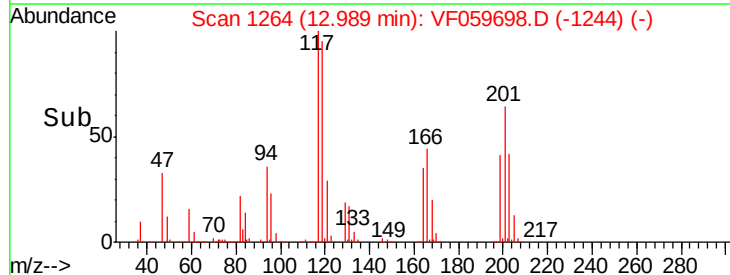
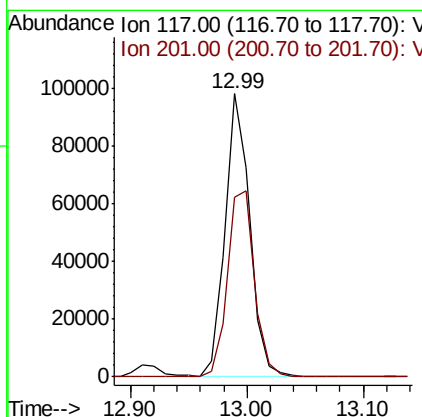
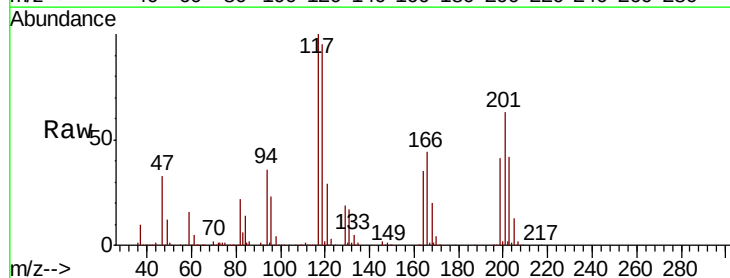
Manual Integrations
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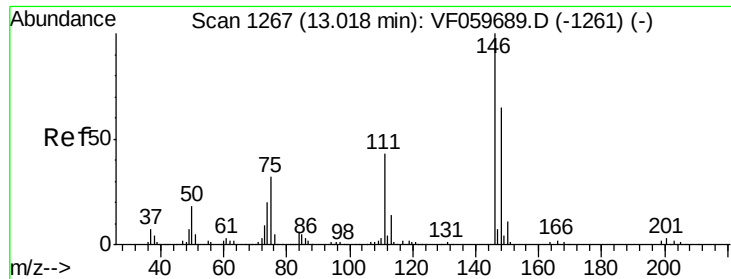
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#90
Hexachloroethane
Concen: 46.78 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.4	31.9	95.5





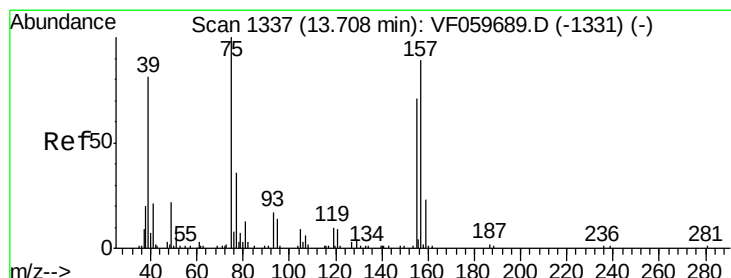
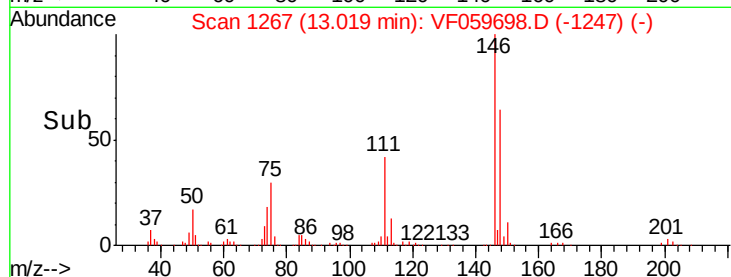
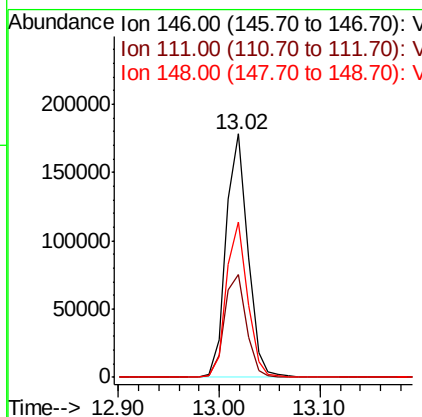
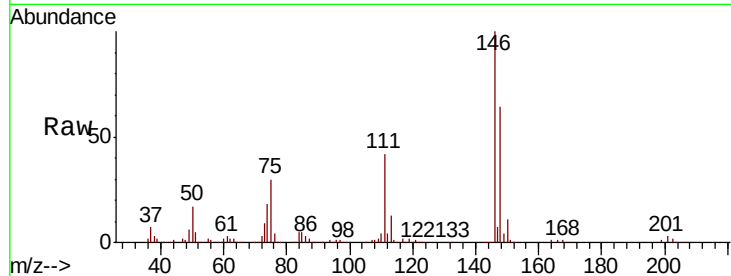
#91
 1,2-Dichlorobenzene
 Concen: 53.04 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV073018

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.6	65.0
148	63.8	32.3	96.9

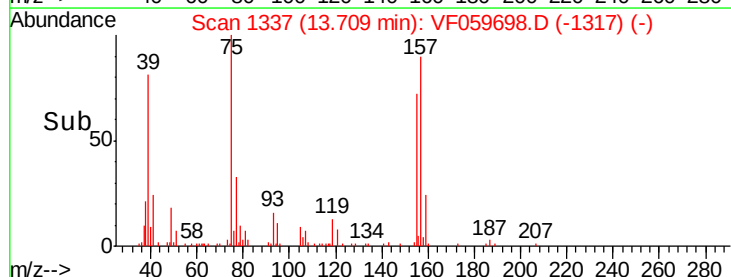
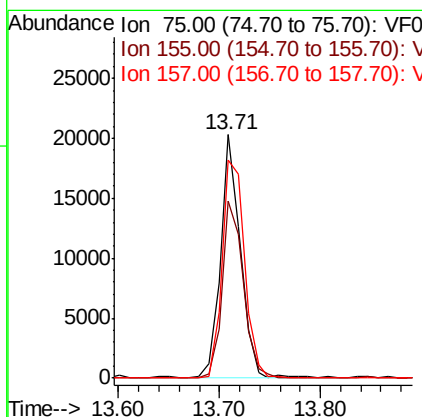
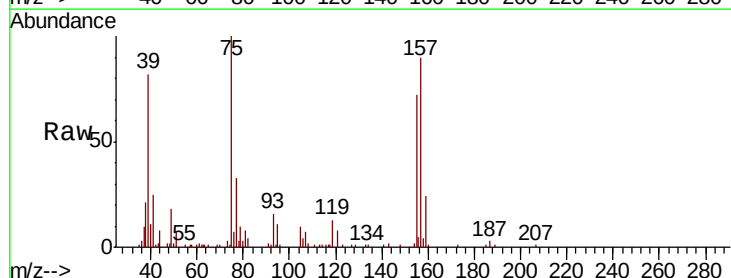
Manual Integrations
 APPROVED

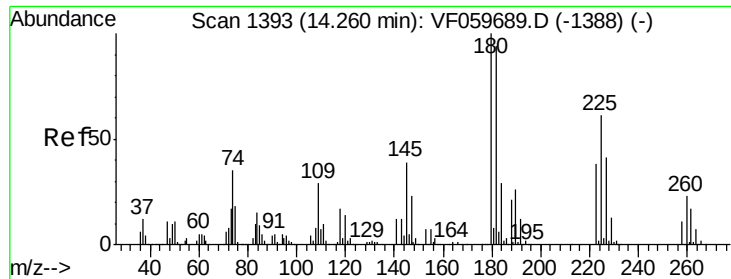
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.15 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059698.D
 Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.5	35.4	106.2
157	89.8	44.4	133.2





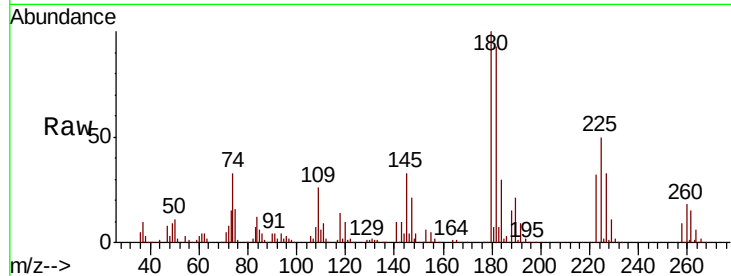
#93
1,2,4-Trichlorobenzene
Concen: 53.94 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :
ICVVF073018

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.0	47.2	141.6	
145	32.9	19.3	57.9	

Manual Integrations
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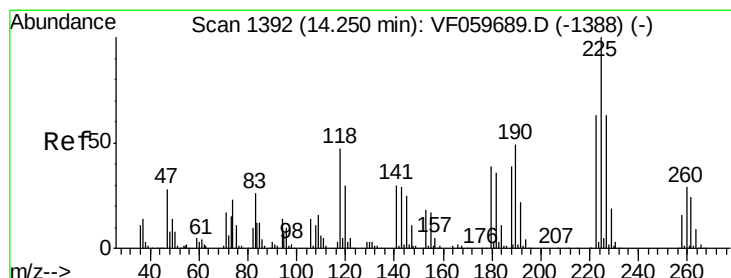
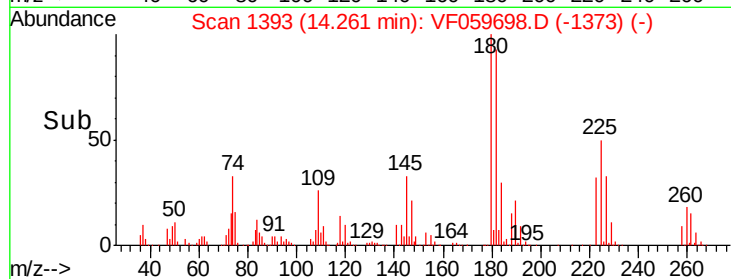
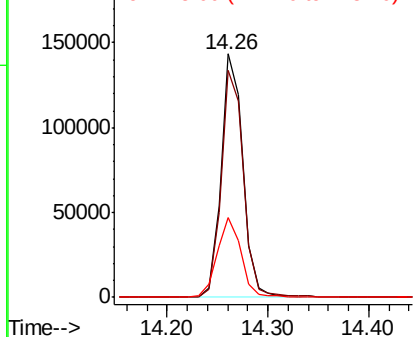


Abundance

Ion 180.00 (179.70 to 180.70): V

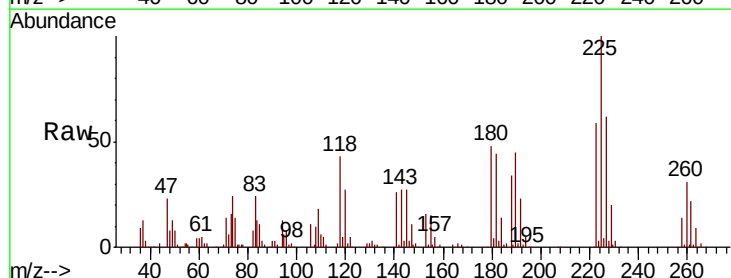
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
Hexachlorobutadiene
Concen: 48.48 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	59.4	31.4	94.2	
227	62.2	31.5	94.5	

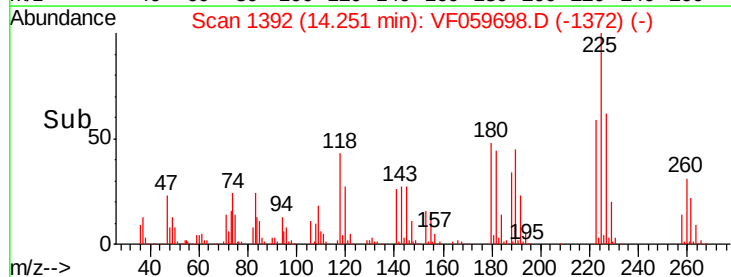
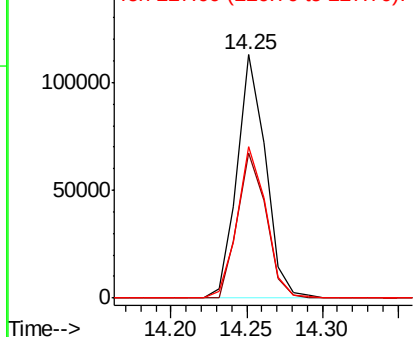


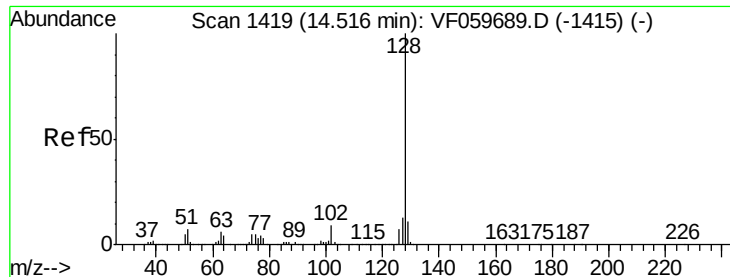
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





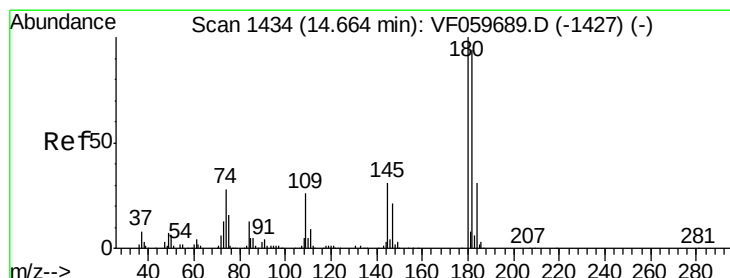
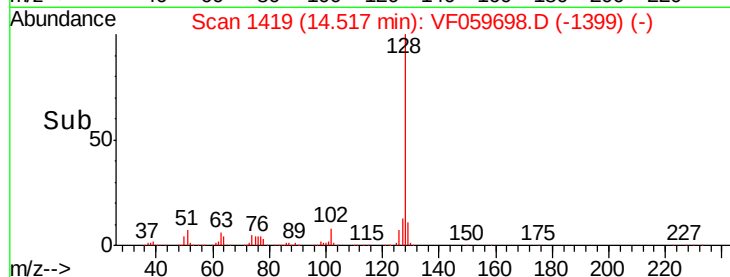
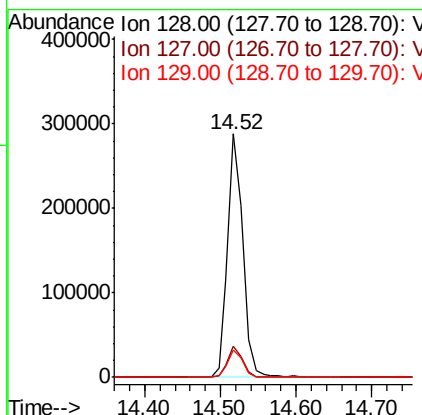
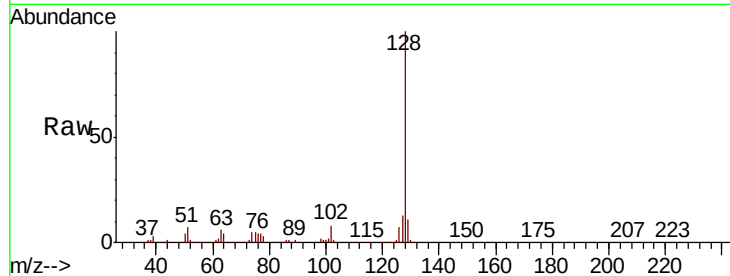
#95
Naphthalene
Concen: 50.81 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Instrument :
MSVOA_F
ClientSampleId :
ICVVF073018

Tot Ion	Ratio	Resp	Lower	Upper
128	100	406307		
127	12.6	10.0	15.0	
129	11.1	8.6	13.0	

Manual Integrations
APPROVED

apatel
7/31/2018 12:13:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.29 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059698.D
Acq: 30 Jul 2018 20:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	209016		
182	95.8	47.2	141.6	
145	31.3	15.6	46.7	

