

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059695.D
 Acq On : 30 Jul 2018 18:36
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 90 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

apatel
 7/31/2018 12:13:08 PM

Quant Time: Jul 31 04:27:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 03:48:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	201854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	278734	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	285852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	176620	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	39125	12.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	24.68%	
35) Dibromofluoromethane	4.28	113	32907	12.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	24.68%	
50) Toluene-d8	7.70	98	78000	12.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	24.18%	
62) 4-Bromofluorobenzene	11.50	95	40930	11.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	23.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	31892	15.30	ug/l	92
3) Chloromethane	1.08	50	15685	13.31	ug/l	91
4) Vinyl Chloride	1.15	62	15835	12.69	ug/l	95
5) Bromomethane	1.34	94	12534	11.54	ug/l	99
6) Chloroethane	1.43	64	10671	13.71	ug/l	90
7) Trichlorofluoromethane	1.52	101	41762m	11.13	ug/l	
8) Diethyl Ether	1.70	74	7289	13.72	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.89	101	22068	11.07	ug/l	98
10) Methyl Iodide	1.97	142	35347	12.11	ug/l	93
11) Tert butyl alcohol	2.69	59	8147	59.86	ug/l #	90
12) 1,1-Dichloroethene	1.85	96	16344	11.08	ug/l	83
13) Acrolein	2.09	56	2690	44.66	ug/l	86
14) Allyl chloride	2.19	41	28307	11.73	ug/l	92
15) Acrylonitrile	3.06	53	13205	63.65	ug/l #	92
16) Acetone	2.34	43	33668	58.28	ug/l	98
17) Carbon Disulfide	1.89	76	45295	12.63	ug/l #	91
18) Methyl Acetate	2.45	43	15135	15.65	ug/l	99
19) Methyl tert-butyl Ether	2.54	73	50654	12.29	ug/l	100
20) Methylene Chloride	2.28	84	21087	9.91	ug/l #	76
21) trans-1,2-Dichloroethene	2.40	96	17485	11.55	ug/l #	76
22) Diisopropyl ether	2.92	45	57960	12.01	ug/l	98
23) Vinyl Acetate	3.33	43	144427	60.39	ug/l #	92
24) 1,1-Dichloroethane	3.00	63	40874	11.91	ug/l #	95
25) 2-Butanone	4.51	43	38410	60.35	ug/l #	83
26) 2,2-Dichloropropane	3.76	77	28181	10.09	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	23054	12.99	ug/l	79
28) Bromochloromethane	3.89	49	16594	13.12	ug/l	89
29) Tetrahydrofuran	4.25	42	15819	61.92	ug/l	95
30) Chloroform	4.03	83	56970	11.75	ug/l	97
31) Cyclohexane	3.86	56	24341	12.34	ug/l	98
32) 1,1,1-Trichloroethane	4.27	97	45892	11.54	ug/l	96
36) 1,1-Dichloropropene	4.44	75	36111	11.94	ug/l	96
37) Ethyl Acetate	4.28	43	20367	15.44	ug/l #	80
38) Carbon Tetrachloride	4.17	117	51177m	11.54	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	25683	10.44	ug/l #	82
40) Benzene	4.80	78	65115	12.13	ug/l	96
41) Methacrylonitrile	4.92	41	9586	14.76	ug/l #	85
42) 1,2-Dichloroethane	5.11	62	42060	12.04	ug/l	99
43) Isopropyl Acetate	7.10	43	17563	12.86	ug/l #	80
44) Trichloroethene	5.66	130	26269	12.63	ug/l	81
45) 1,2-Dichloropropane	6.39	63	16025	11.23	ug/l	100
46) Dibromomethane	6.25	93	14472	11.68	ug/l	90
47) Bromodichloromethane	6.54	83	40470	11.15	ug/l	94
48) Methyl methacrylate	6.87	41	13061	12.19	ug/l	92
49) 1,4-Dioxane	6.87	88	2084	243.66	ug/l #	77
51) 4-Methyl-2-Pentanone	8.41	43	68796	62.60	ug/l	94
52) Toluene	7.77	92	46034	11.54	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	37517	12.92	ug/l	96
54) cis-1,3-Dichloropropene	7.45	75	34333	11.39	ug/l #	91
55) 1,1,2-Trichloroethane	8.63	97	16477	12.44	ug/l	92
56) Ethyl methacrylate	8.76	69	15355	10.93	ug/l	100
57) 1,3-Dichloropropane	8.99	76	28894	12.61	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.77	63	11054	65.19	ug/l	100
59) 2-Hexanone	9.63	43	54137	66.41	ug/l	95
60) Dibromochloromethane	8.86	129	29715	12.43	ug/l	99
61) 1,2-Dibromoethane	9.12	107	19406	12.11	ug/l	88
64) Tetrachloroethene	8.31	164	24660	10.83	ug/l	92
65) Chlorobenzene	9.93	112	62311	11.22	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	27907	10.92	ug/l	95
67) Ethyl Benzene	10.03	91	108828	10.81	ug/l	99
68) m/p-Xylenes	10.26	106	80991	23.24	ug/l	98
69) o-Xylene	10.82	106	39346	10.45	ug/l	95
70) Styrene	10.90	104	58735	10.73	ug/l	97
71) Bromoform	10.88	173	18362	11.65	ug/l #	94
73) Isopropylbenzene	11.22	105	132589	11.00	ug/l	99
74) N-amyl acetate	11.46	43	32032	12.96	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.78	83	23260	11.75	ug/l	85
76) 1,2,3-Trichloropropane	11.88	75	20188	12.42	ug/l	96
77) Bromobenzene	11.59	156	33618	11.49	ug/l	92
78) n-propylbenzene	11.68	91	158464	11.41	ug/l	96
79) 2-Chlorotoluene	11.81	91	94736	11.21	ug/l	93
80) 1,3,5-Trimethylbenzene	11.90	105	119436	11.29	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.95	75	8143m	9.65	ug/l	
82) 4-Chlorotoluene	11.98	91	103462	11.62	ug/l	98
83) tert-Butylbenzene	12.21	119	116926	10.93	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	119998	11.04	ug/l	94
85) sec-Butylbenzene	12.39	105	153033	10.88	ug/l	98
86) p-Isopropyltoluene	12.54	119	139370	11.52	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	69096	12.11	ug/l	95
88) 1,4-Dichlorobenzene	12.64	146	63944	11.76	ug/l	98
89) n-Butylbenzene	12.91	91	122957	10.51	ug/l	96
90) Hexachloroethane	12.99	117	31108	10.10	ug/l	94
91) 1,2-Dichlorobenzene	13.02	146	62217	11.73	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	5981	12.42	ug/l	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	47894	11.26	ug/l	97
94) Hexachlorobutadiene	14.25	225	31305	10.01	ug/l	98
95) Naphthalene	14.52	128	80876	11.94	ug/l	97
96) 1,2,3-Trichlorobenzene	14.66	180	44799	11.59	ug/l	86

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

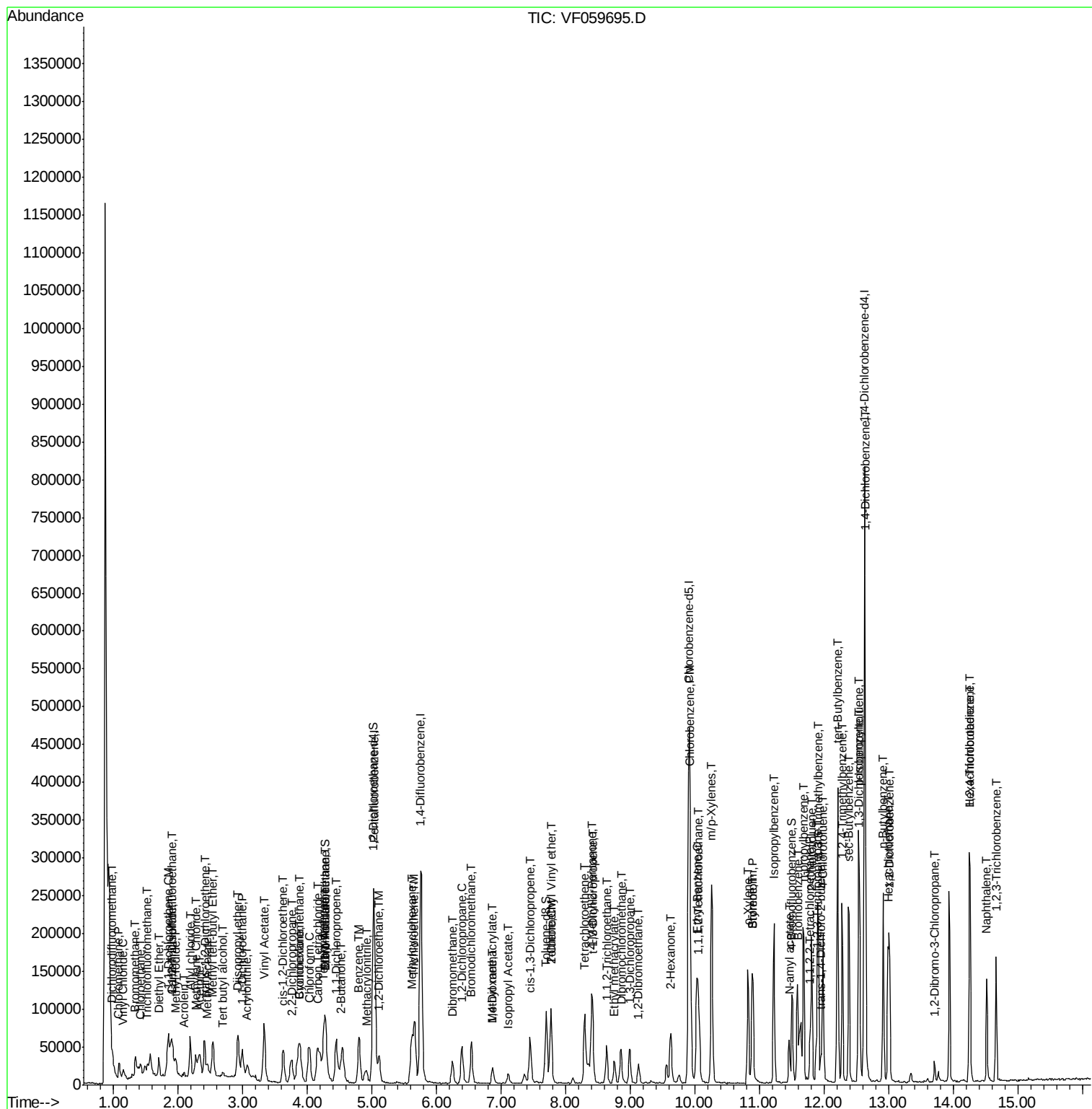
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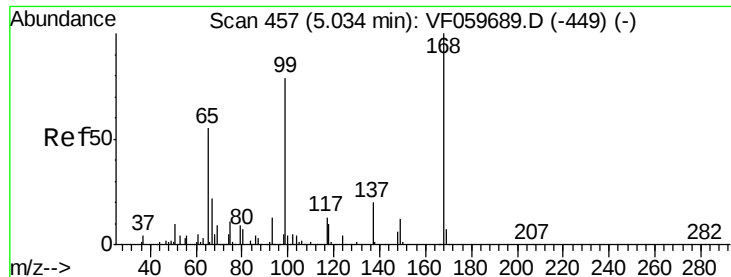
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 201854

Ion Ratio Lower Upper

168 100

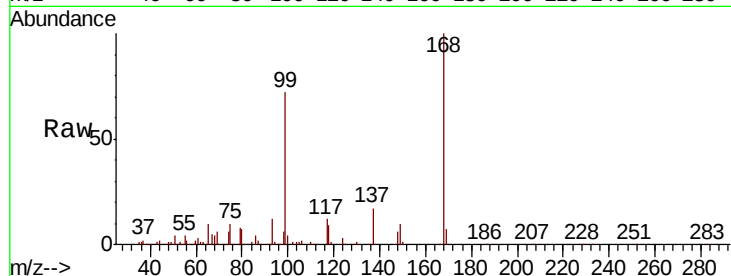
99 71.8 63.3 94.9

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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

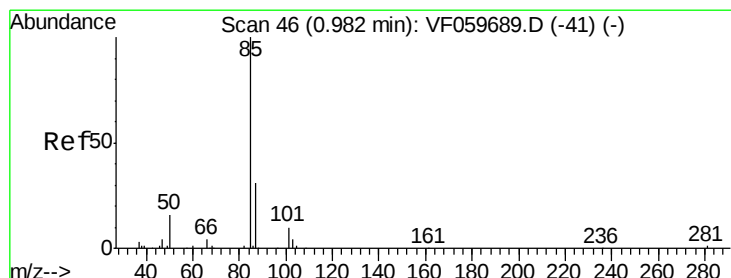
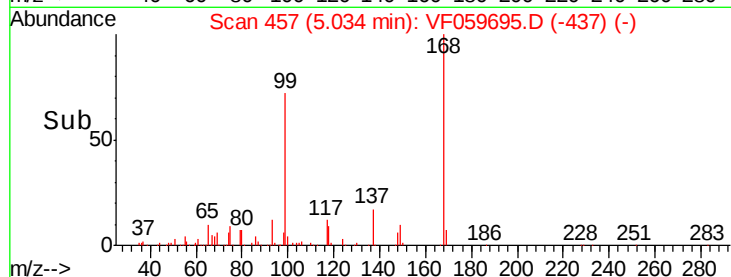
40000

20000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 15.30 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059695.D

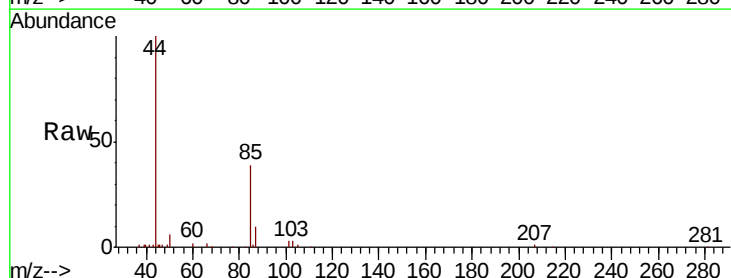
Acq: 30 Jul 2018 18:36

Tgt Ion: 85 Resp: 31892

Ion Ratio Lower Upper

85 100

87 26.1 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

10000

8000

6000

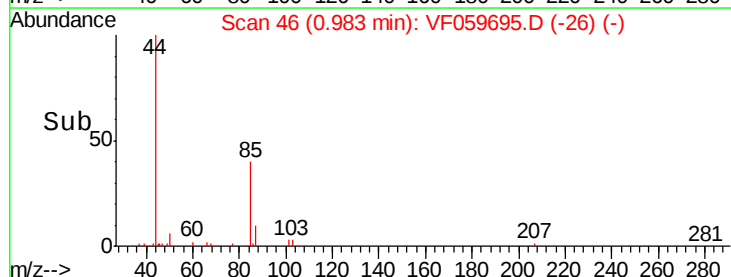
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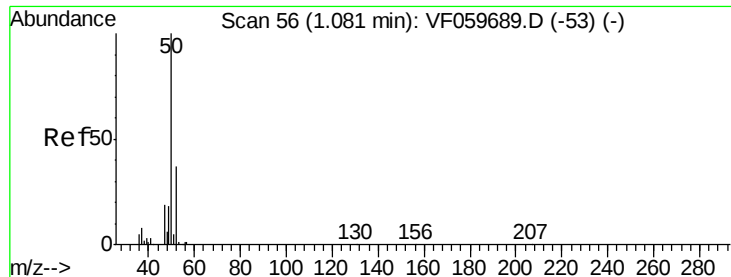
2000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 13.31 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 15685

Ion Ratio Lower Upper

50 100

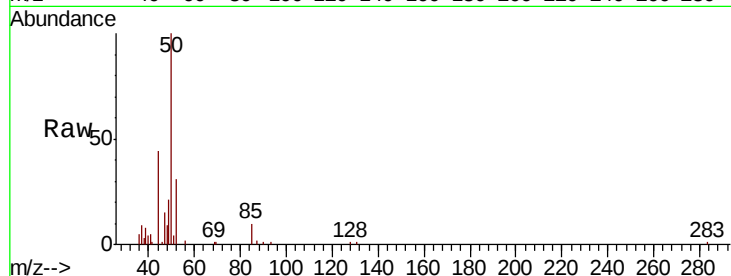
52 30.9 29.1 43.7

Manual Integrations

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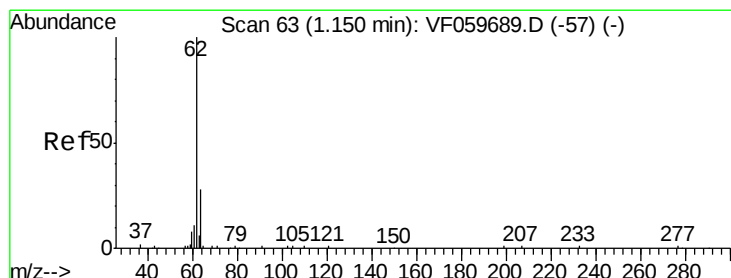
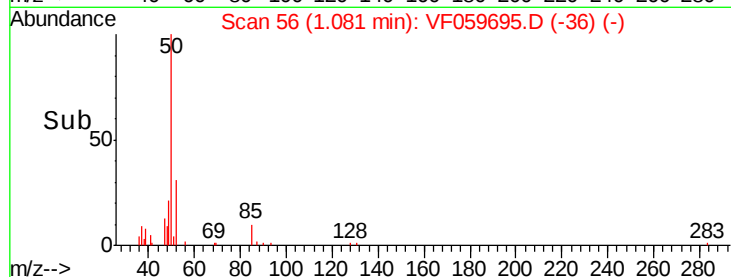
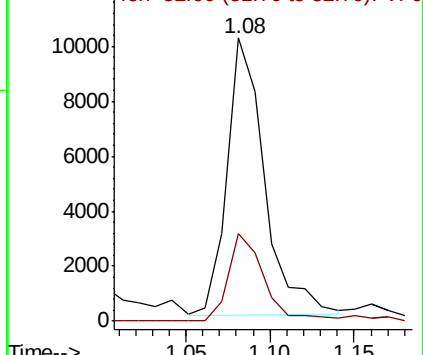
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 12.69 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059695.D

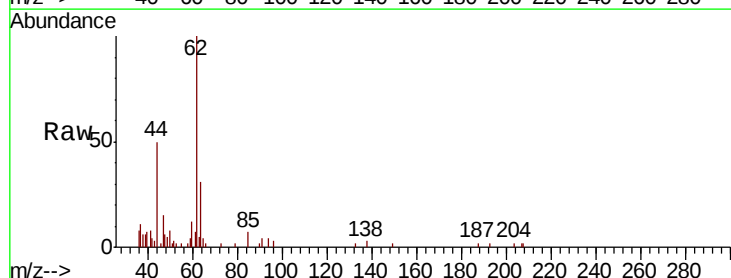
Acq: 30 Jul 2018 18:36

Tgt Ion: 62 Resp: 15835

Ion Ratio Lower Upper

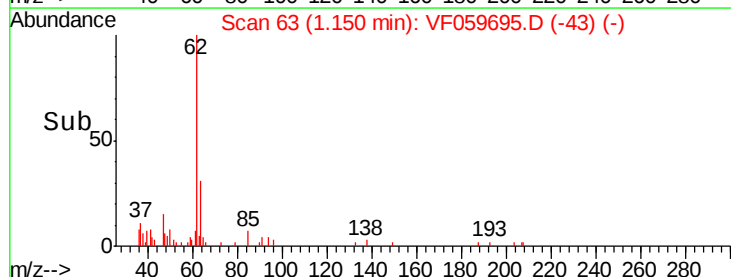
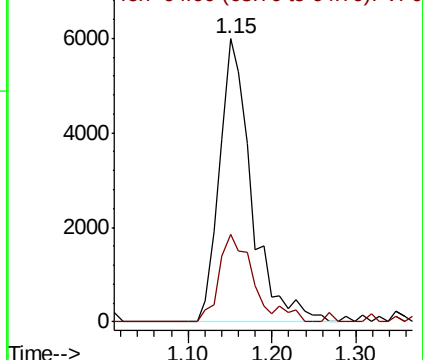
62 100

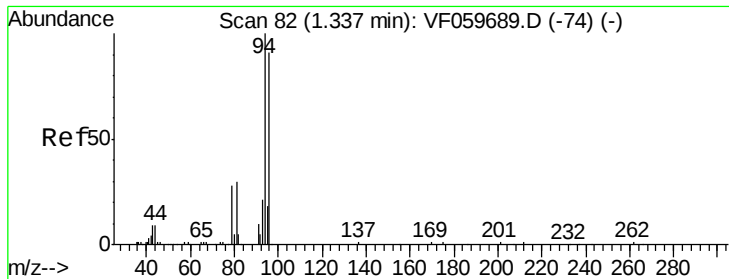
64 31.1 22.6 33.8



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 11.54 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

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ClientSampleId :

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Tot Ion: 94 Resp: 12534

Ion Ratio Lower Upper

94 100

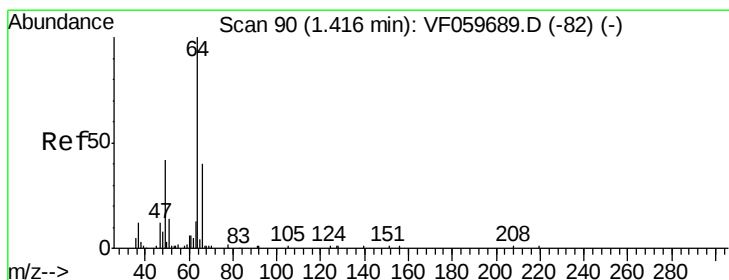
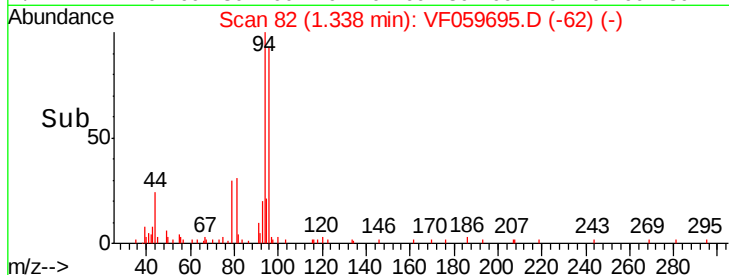
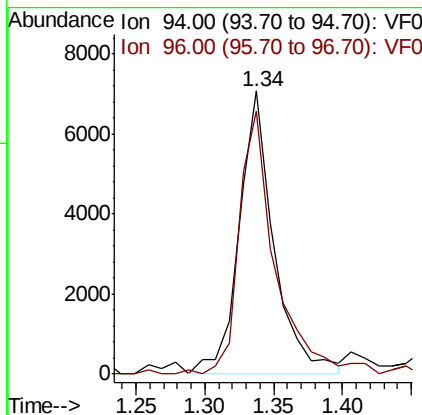
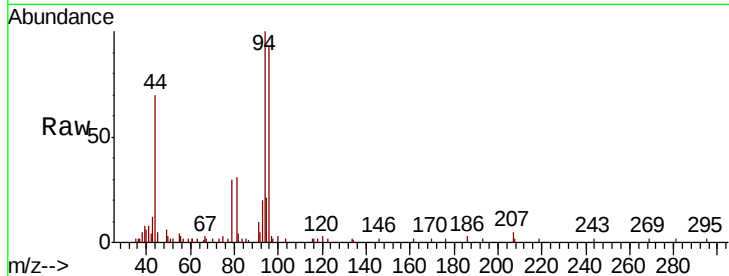
96 93.0 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 13.71 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VF059695.D

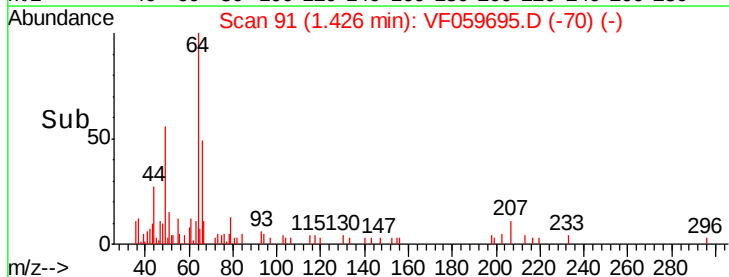
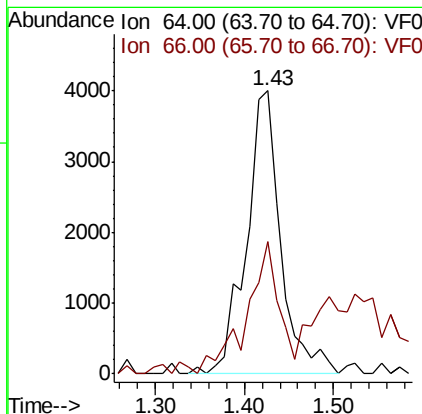
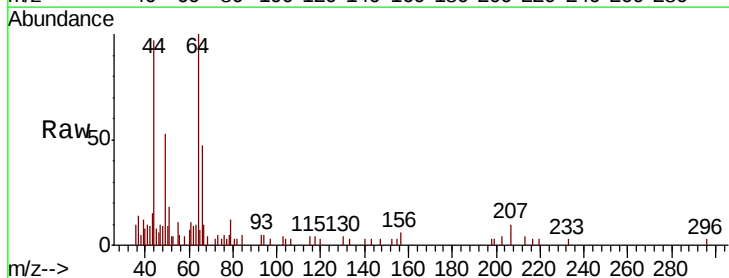
Acq: 30 Jul 2018 18:36

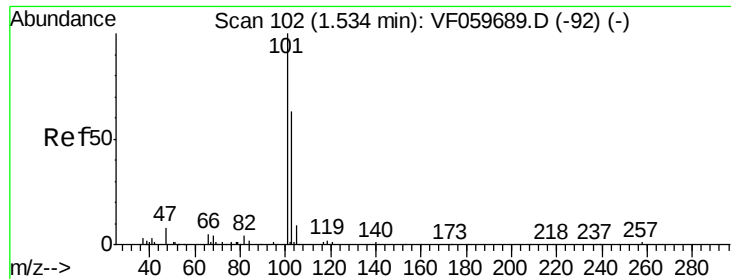
Tgt Ion: 64 Resp: 10671

Ion Ratio Lower Upper

64 100

66 46.8 32.6 49.0





#7

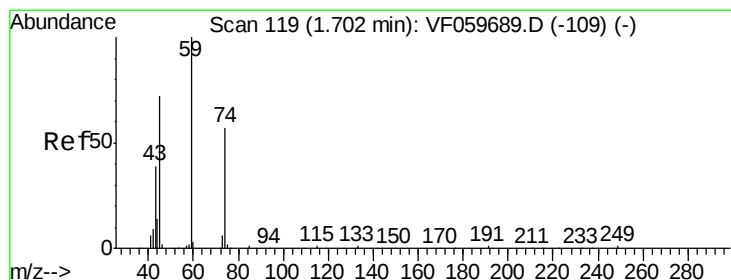
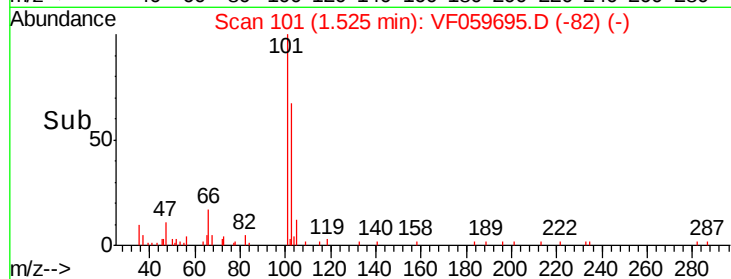
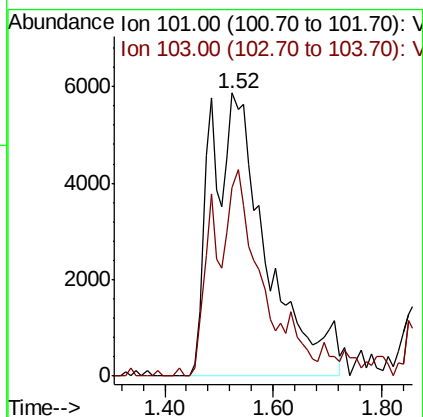
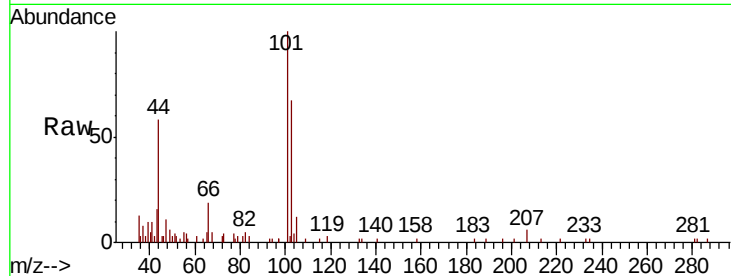
Trichlorofluoromethane
 Concen: 11.13 ug/l m
 RT: 1.52 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF059695.D
 Acq: 30 Jul 2018 18:36

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 ClientSampleId :
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Tot Ion:101 Resp: 41762
 Ion Ratio Lower Upper
 101 100
 103 66.8 50.8 76.2

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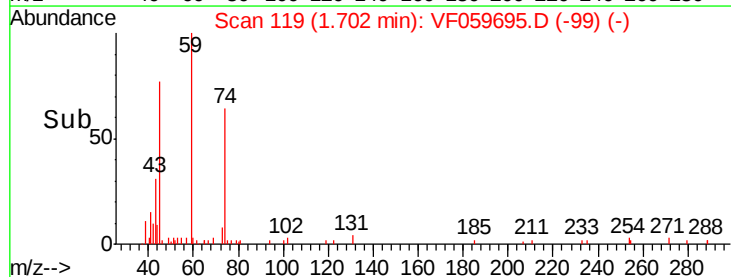
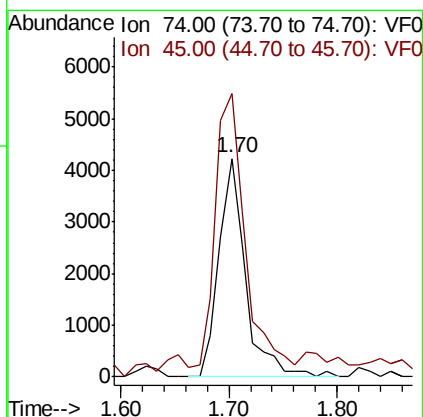
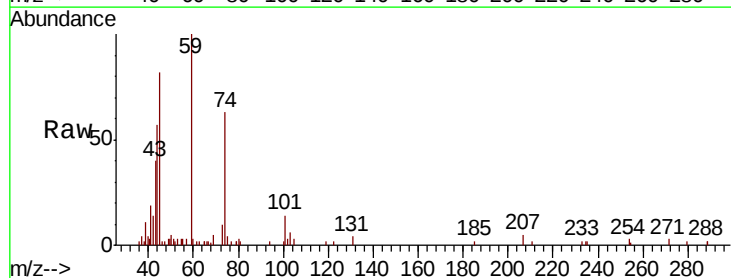
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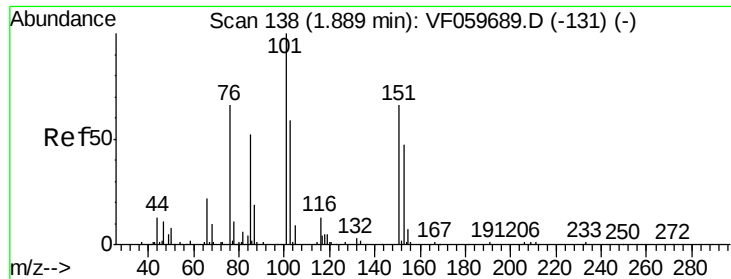


#8

Diethyl Ether
 Concen: 13.72 ug/l
 RT: 1.70 min Scan# 119
 Delta R.T. 0.00 min
 Lab File: VF059695.D
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Tgt Ion: 74 Resp: 7289
 Ion Ratio Lower Upper
 74 100
 45 129.4 62.7 188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.07 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059695.D

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MSVOA_F

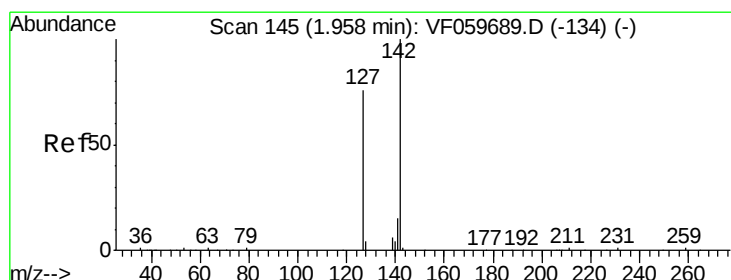
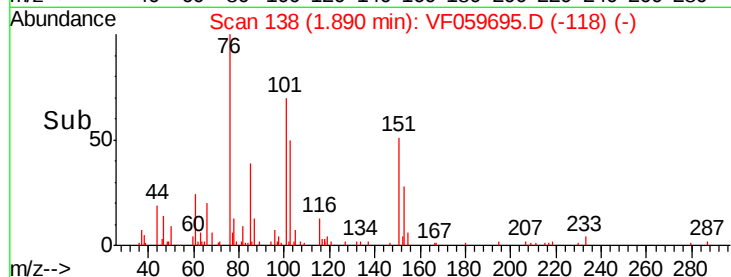
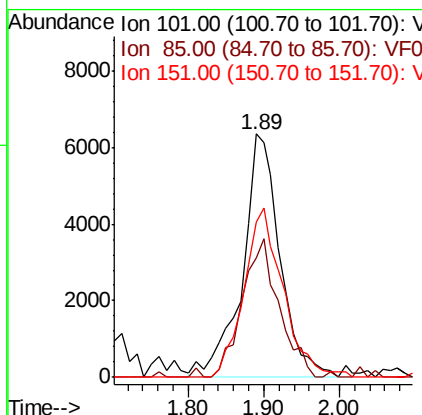
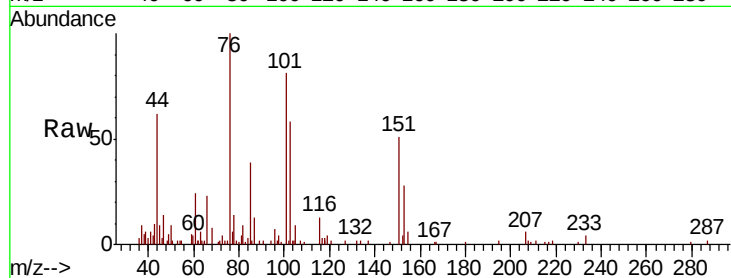
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	22068
Ion Ratio	Lower	Upper	
101	100		
85	48.9	40.7	61.1
151	63.6	51.4	77.2

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#10

Methyl Iodide

Concen: 12.11 ug/l

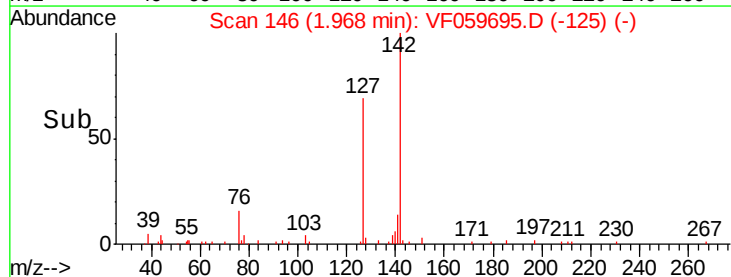
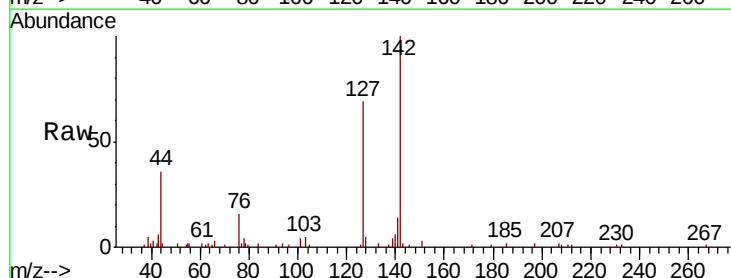
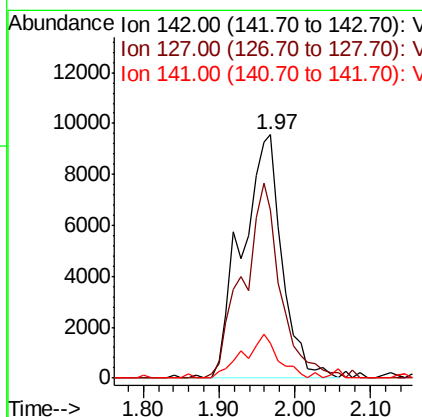
RT: 1.97 min Scan# 146

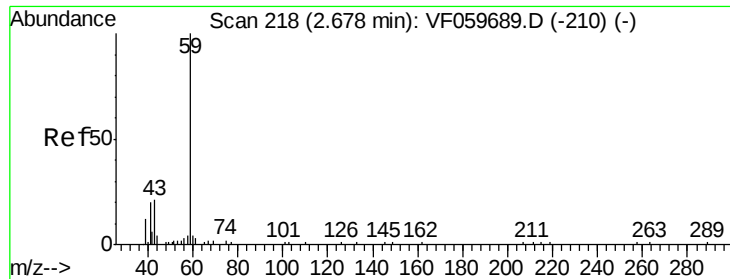
Delta R.T. 0.01 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Tgt Ion:	142	Resp:	35347
Ion Ratio	Lower	Upper	
142	100		
127	68.9	60.6	91.0
141	14.4	12.0	18.0





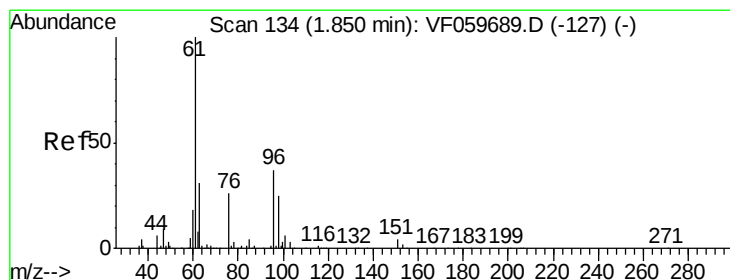
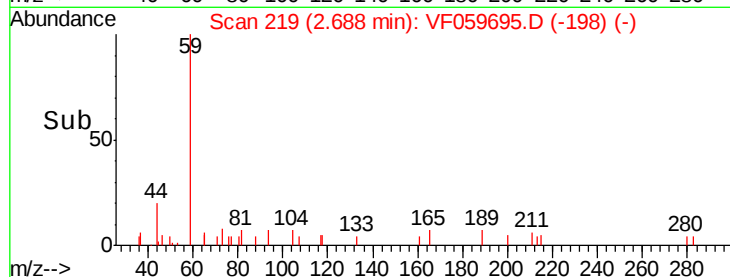
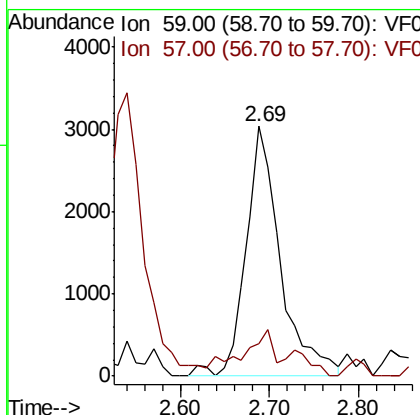
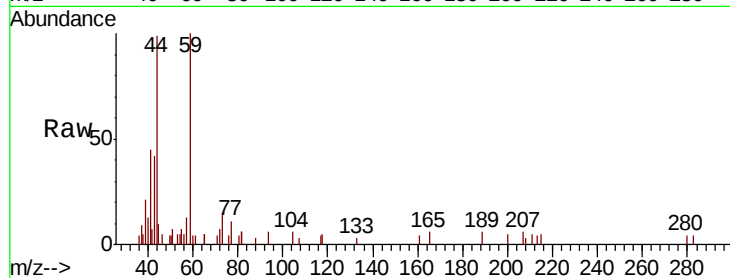
#11
Tert butyl alcohol
Concen: 59.86 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.01 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 59 Resp: 8147
Ion Ratio Lower Upper
59 100
57 13.2 7.6 11.4#

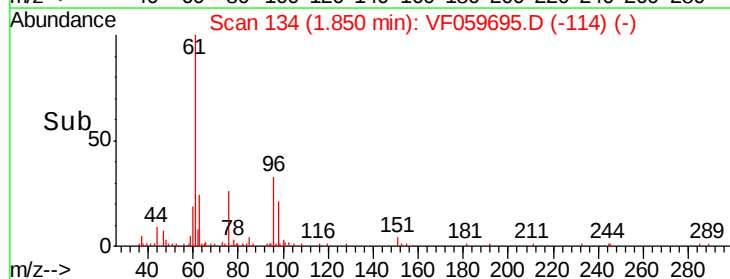
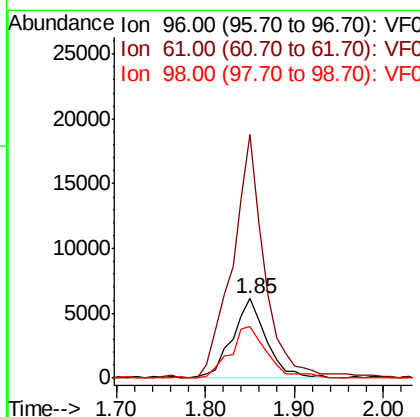
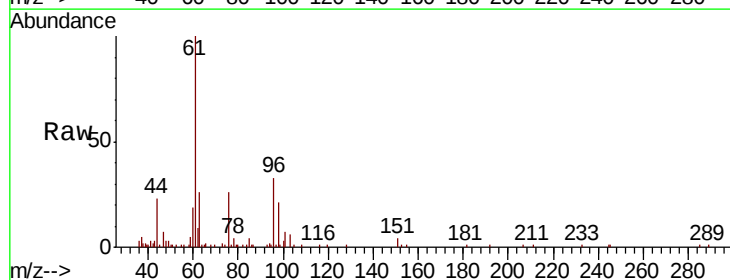
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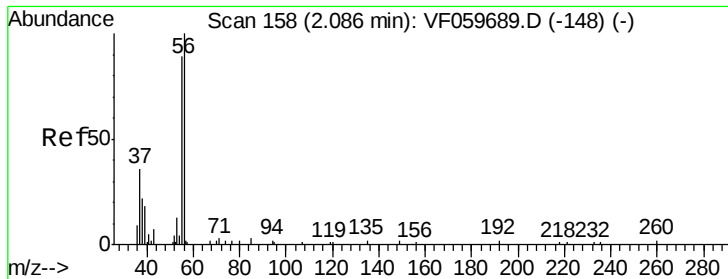
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#12
1,1-Dichloroethene
Concen: 11.08 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Tgt Ion: 96 Resp: 16344
Ion Ratio Lower Upper
96 100
61 307.4 215.1 322.7
98 65.5 54.3 81.5





#13

Acrolein

Concen: 44.66 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 2690

Ion Ratio Lower Upper

56 100

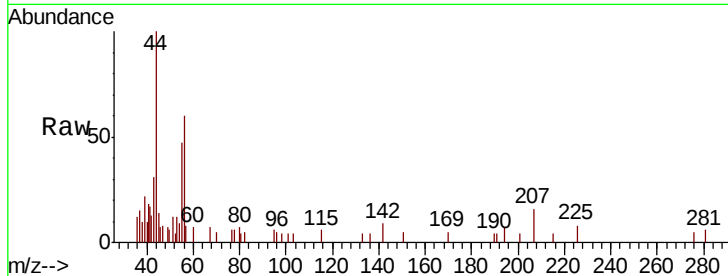
55 78.2 73.2 109.8

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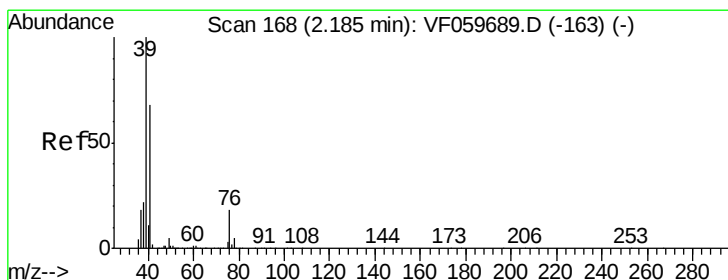
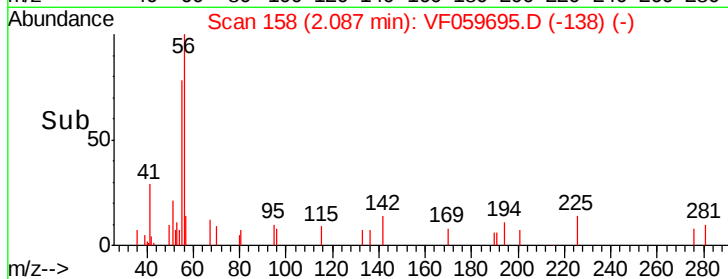
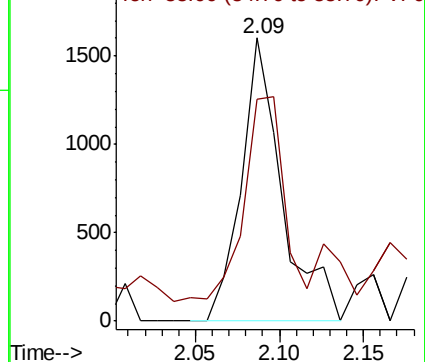
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 11.73 ug/l

RT: 2.19 min Scan# 168

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

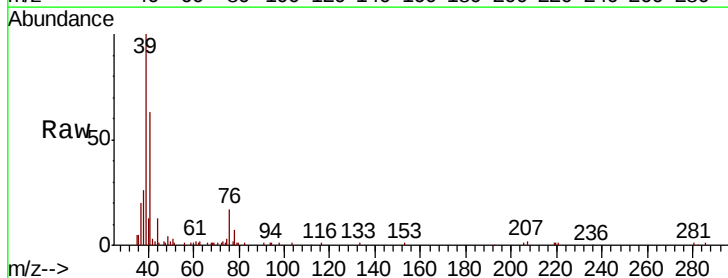
Tgt Ion: 41 Resp: 28307

Ion Ratio Lower Upper

41 100

39 159.5 118.1 177.1

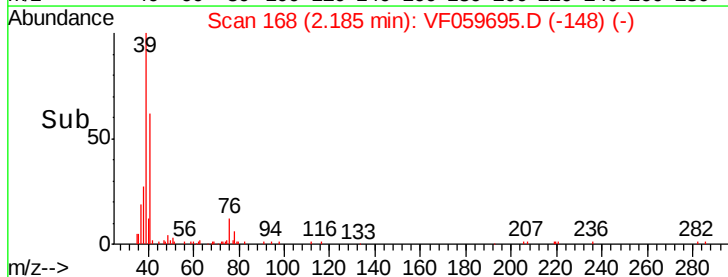
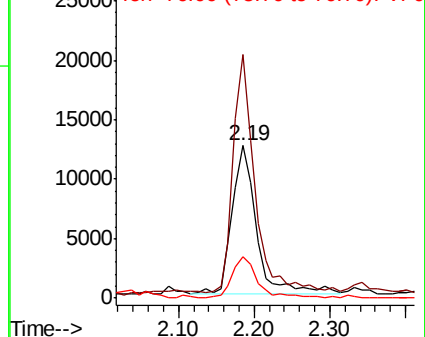
76 27.0 22.0 33.0

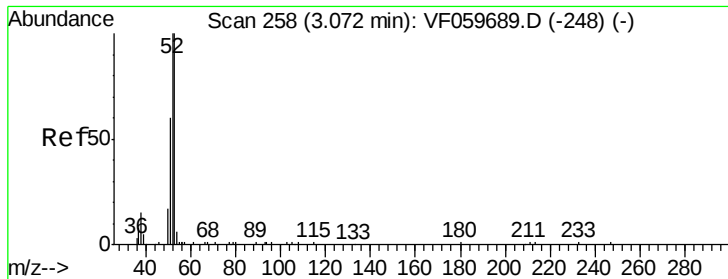


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 63.65 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

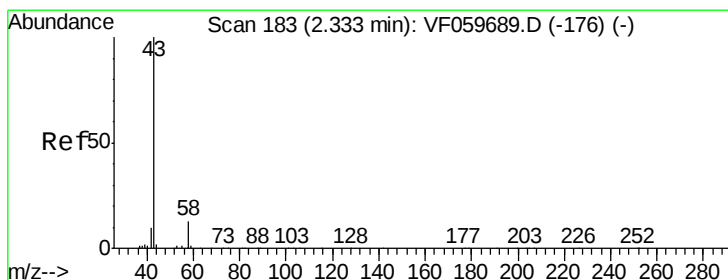
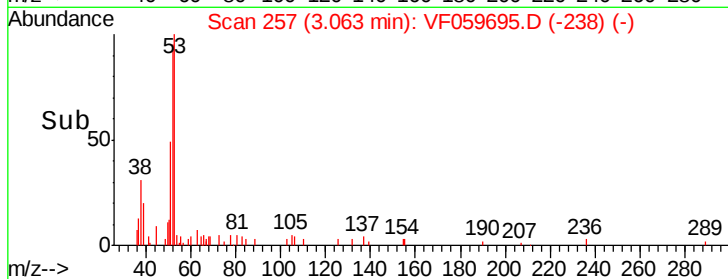
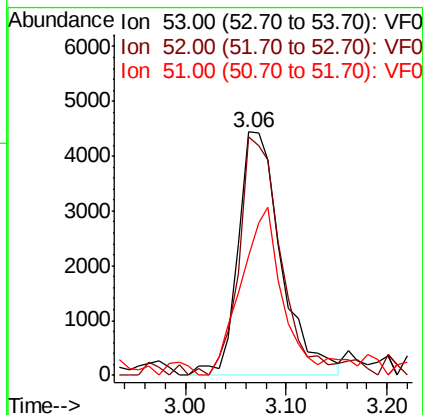
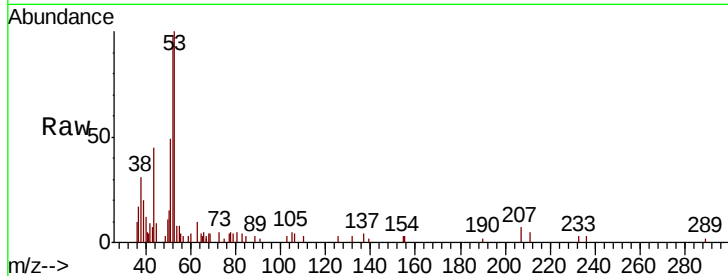
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	13205
Ion	Ratio	Lower	Upper
53	100		
52	98.1	80.3	120.5
51	49.2	49.4	74.0#

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#16

Acetone

Concen: 58.28 ug/l

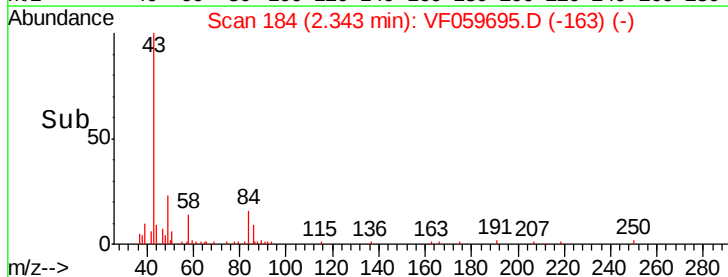
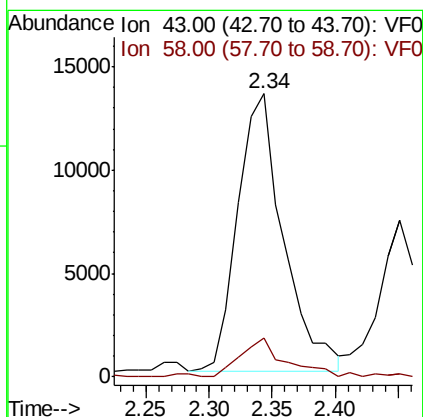
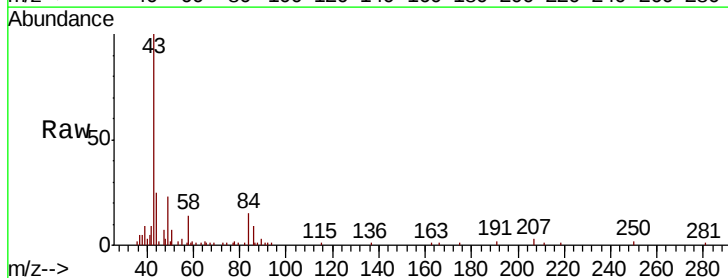
RT: 2.34 min Scan# 184

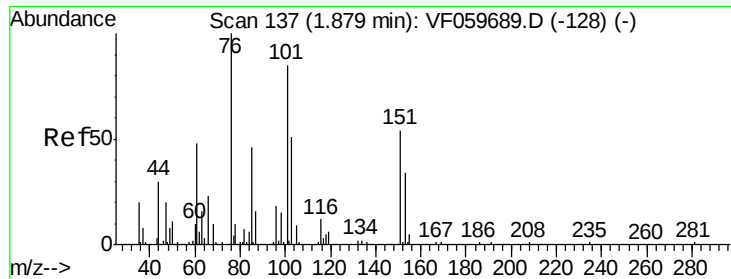
Delta R.T. 0.01 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Tgt Ion:	43	Resp:	33668
Ion	Ratio	Lower	Upper
43	100		
58	13.6	10.1	15.1





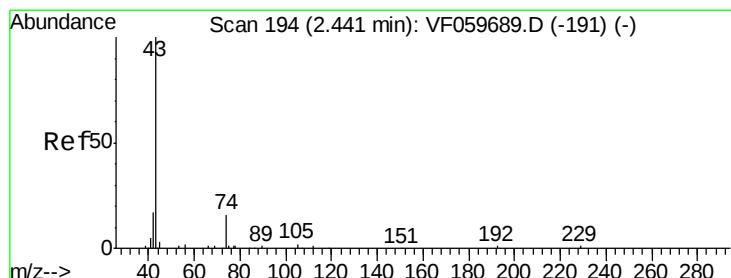
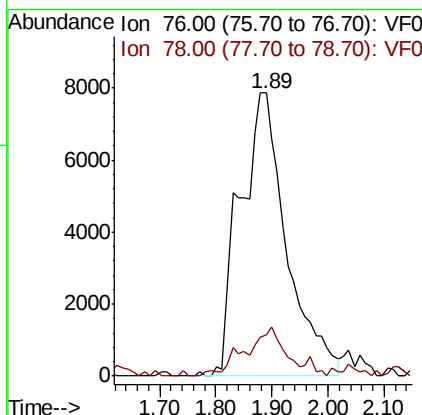
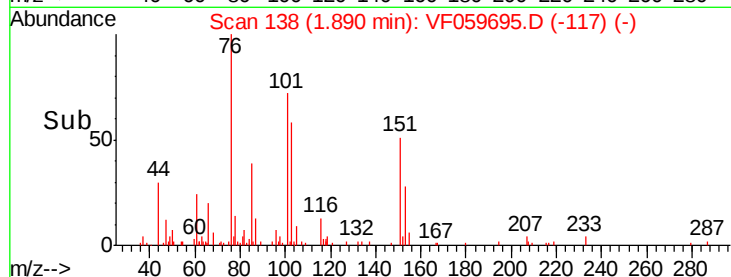
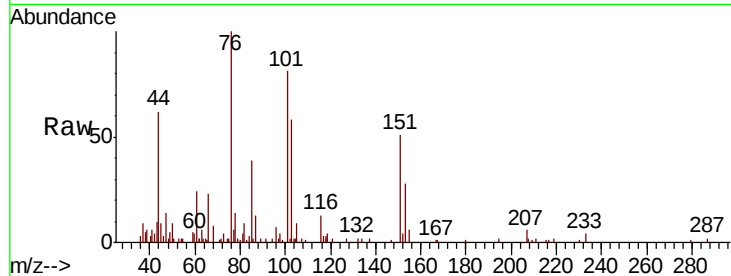
#17
Carbon Disulfide
Concen: 12.63 ug/l
RT: 1.89 min Scan# 138
Delta R.T. 0.01 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 76 Resp: 45295
Ion Ratio Lower Upper
76 100
78 14.5 8.9 13.3#

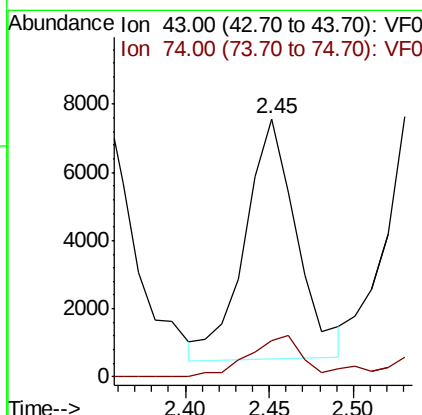
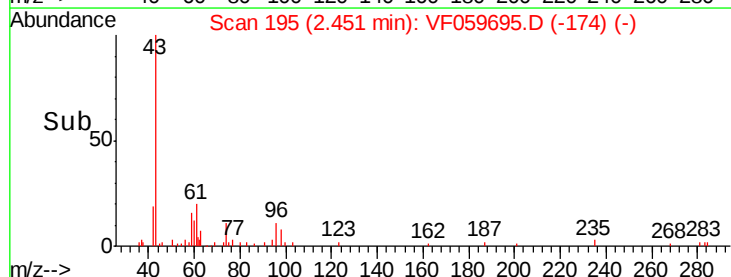
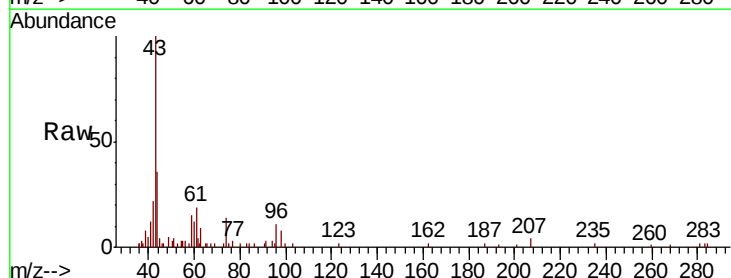
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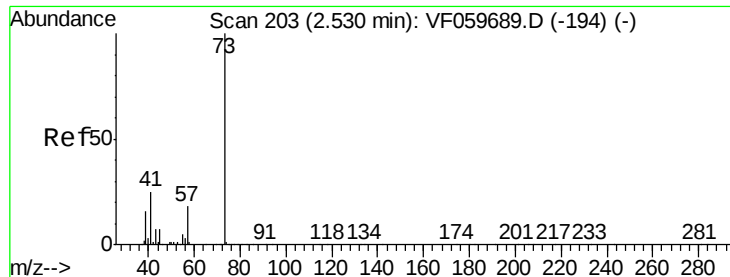
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#18
Methyl Acetate
Concen: 15.65 ug/l
RT: 2.45 min Scan# 195
Delta R.T. 0.01 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Tgt Ion: 43 Resp: 15135
Ion Ratio Lower Upper
43 100
74 14.3 11.8 17.6





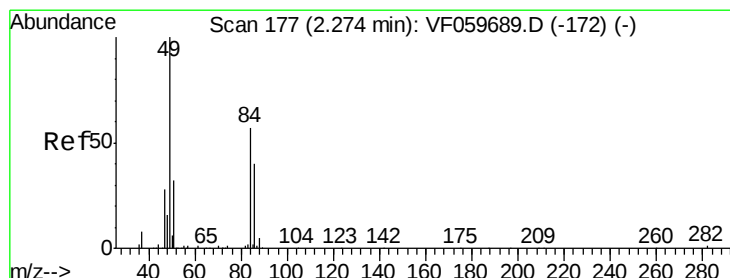
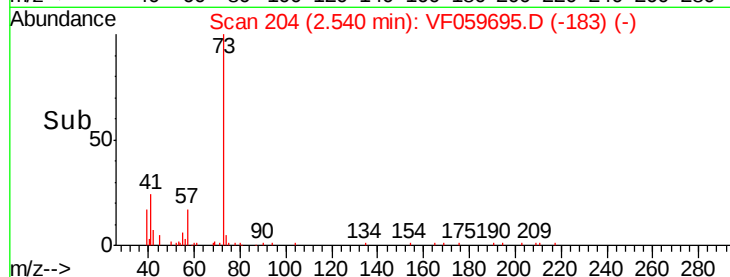
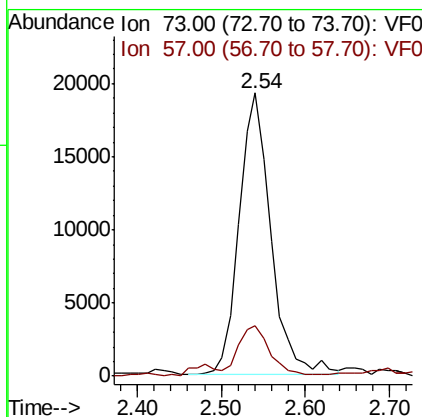
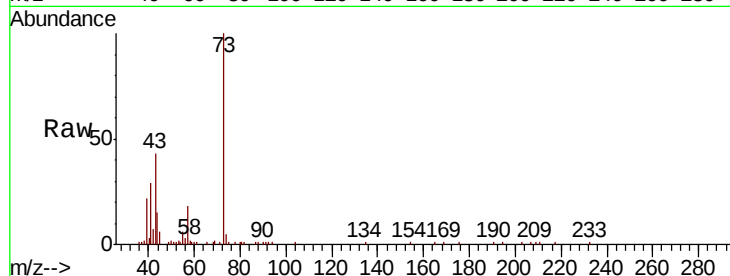
#19
Methvl tert-butvl Ether
Concen: 12.29 ug/l
RT: 2.54 min Scan# 204
Delta R.T. 0.01 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.8	14.2	21.2

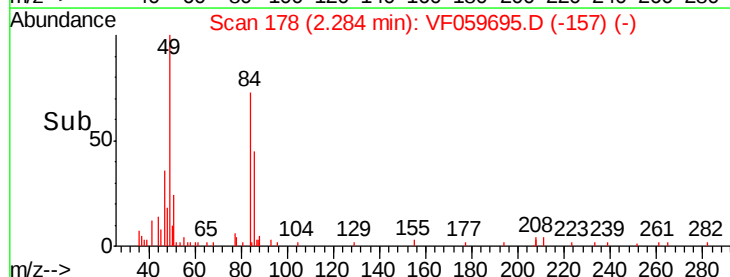
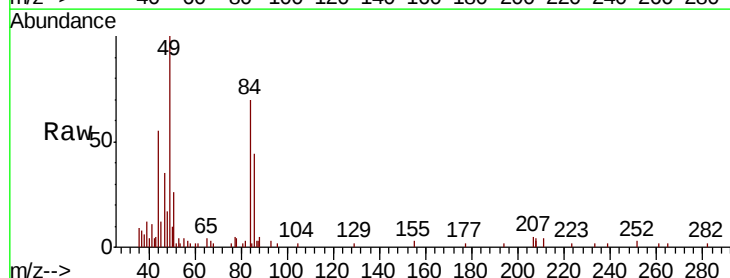
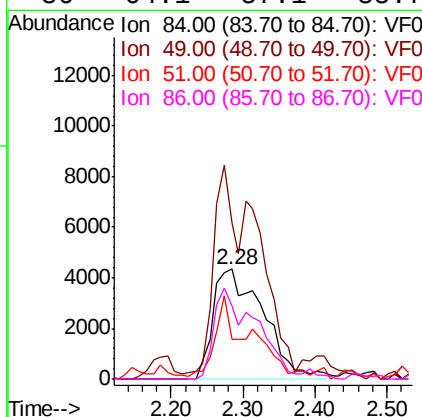
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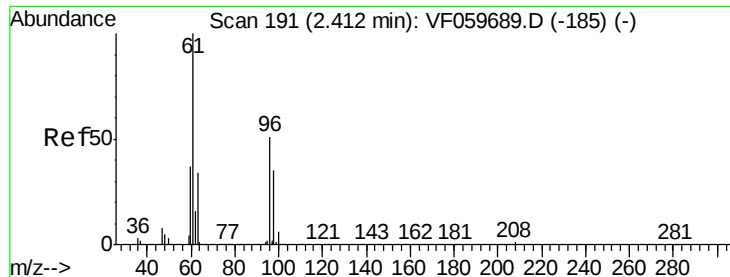
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#20
Methylene Chloride
Concen: 9.91 ug/l
RT: 2.28 min Scan# 178
Delta R.T. 0.01 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.7	142.2	213.4#
51	35.6	46.2	69.2#
86	64.1	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 11.55 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

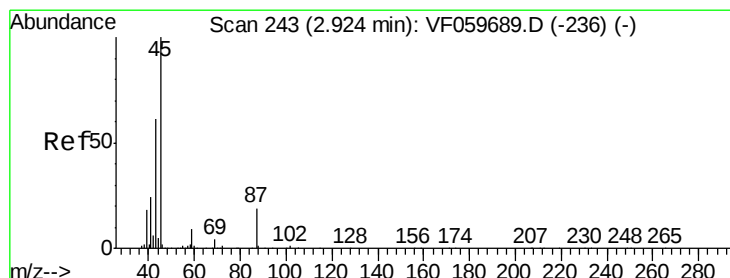
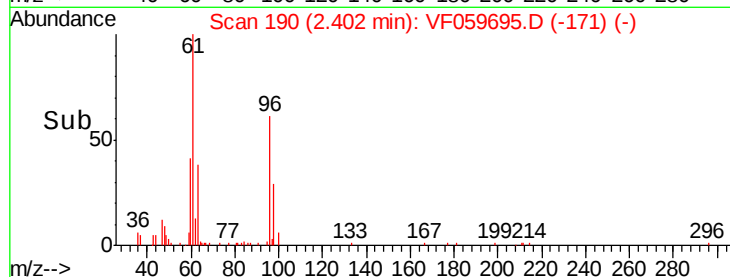
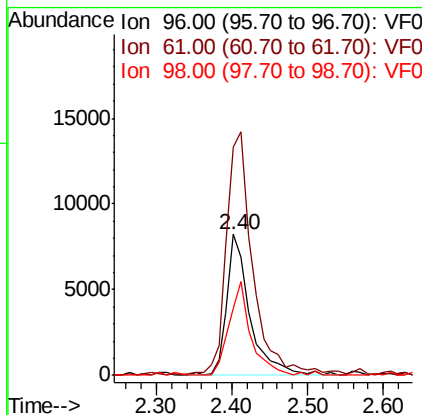
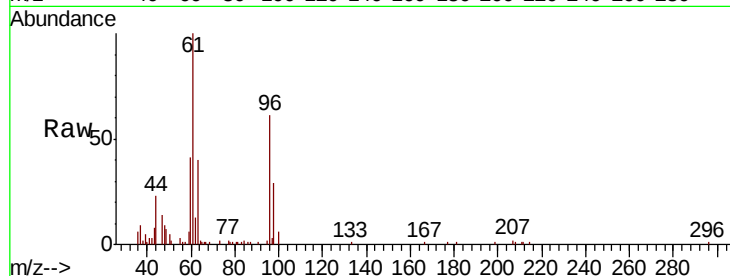
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	17485
Ion Ratio	Lower	Upper	
96	100		
61	162.6	157.4	236.0
98	47.2	55.0	82.4#

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#22

Diisopropyl ether

Concen: 12.01 ug/l

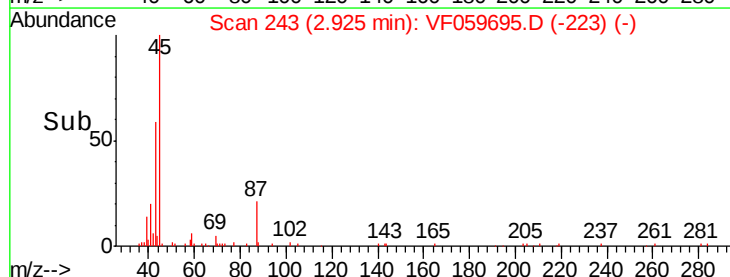
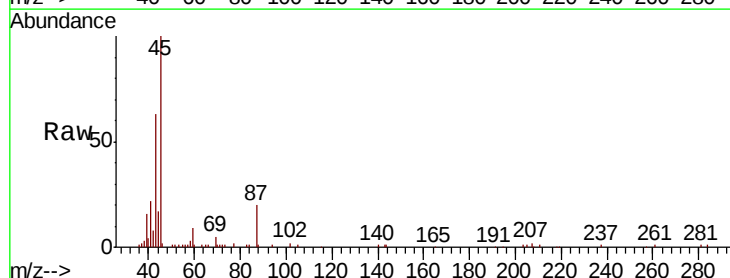
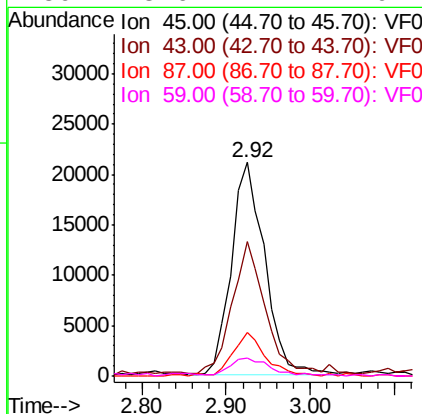
RT: 2.92 min Scan# 243

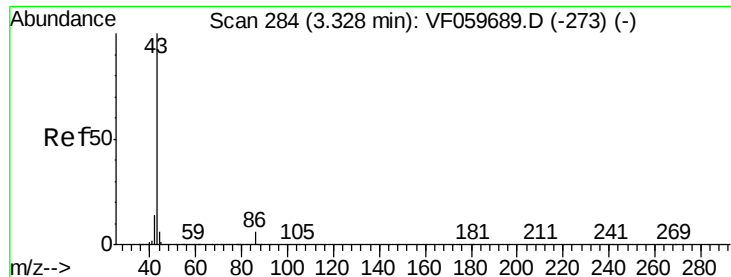
Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Tgt Ion:	45	Resp:	57960
Ion Ratio	Lower	Upper	
45	100		
43	62.9	49.3	73.9
87	20.3	15.3	22.9
59	8.6	7.1	10.7





#23

Vinyl Acetate

Concen: 60.39 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 144427

Ion Ratio Lower Upper

43 100

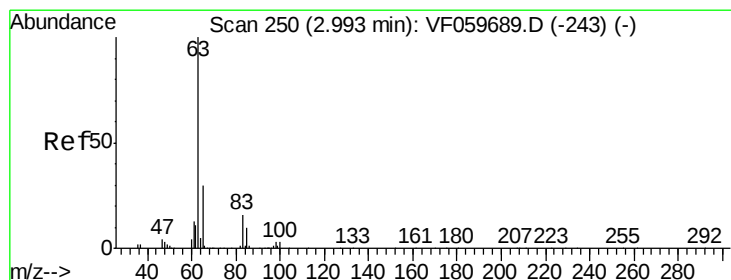
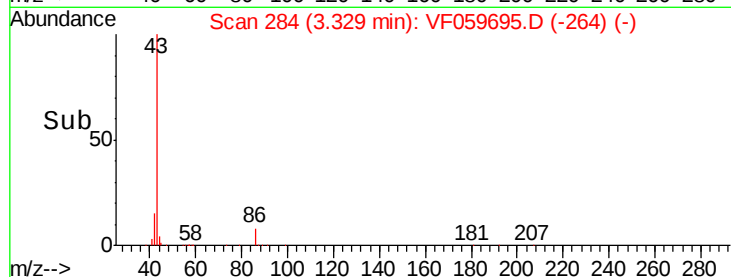
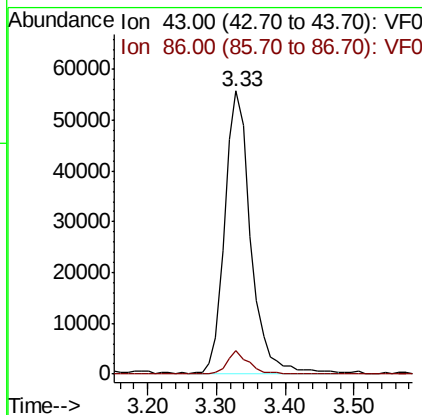
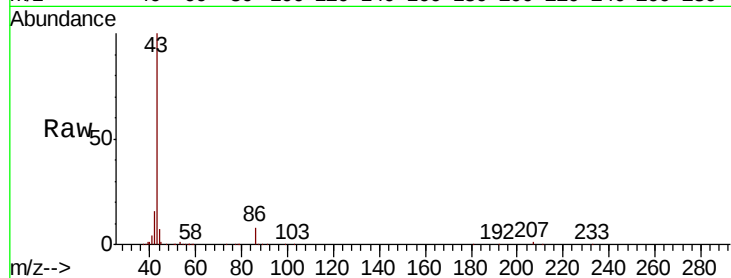
86 8.3 4.6 6.8#

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#24

1,1-Dichloroethane

Concen: 11.91 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.01 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

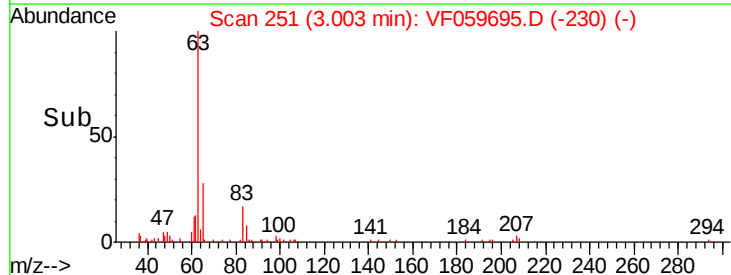
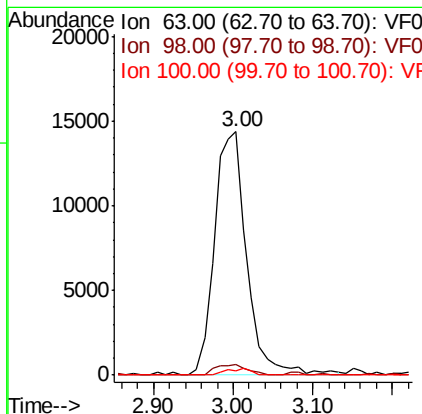
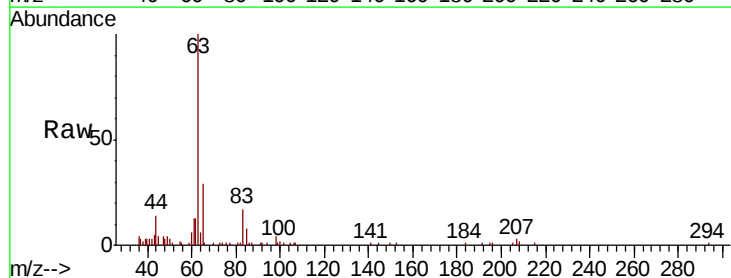
Tgt Ion: 63 Resp: 40874

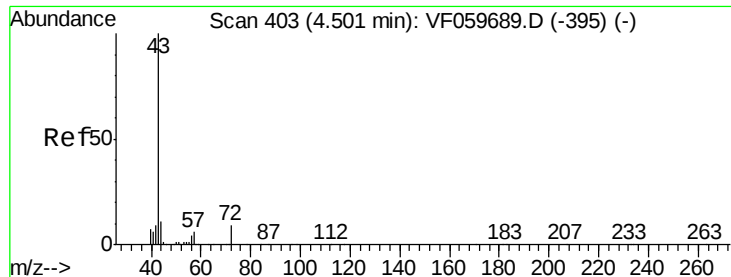
Ion Ratio Lower Upper

63 100

98 4.5 1.4 4.2#

100 1.6 1.6 4.7





#25

2-Butanone

Concen: 60.35 ug/l

RT: 4.51 min Scan# 404

Delta R.T. 0.01 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 38410

Ion Ratio Lower Upper

43 100

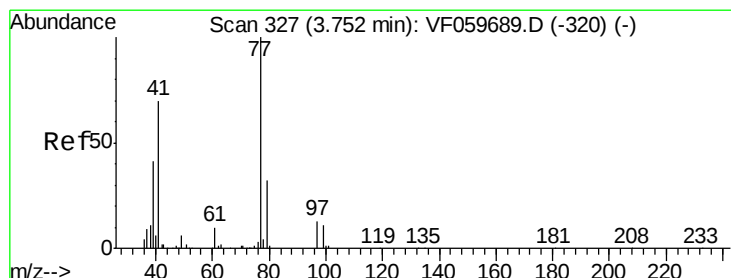
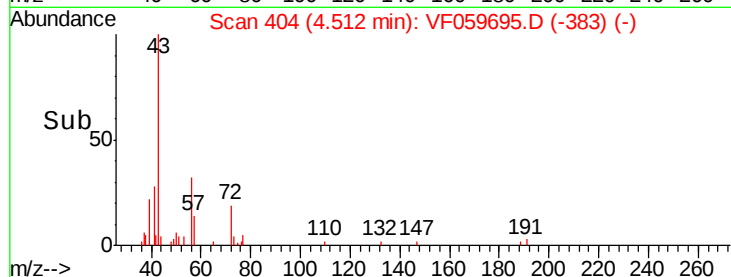
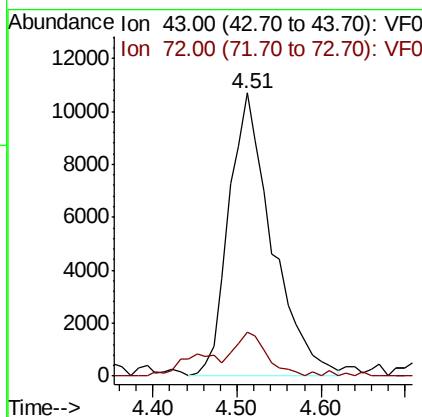
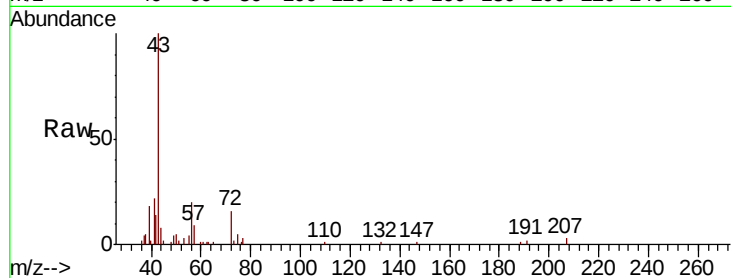
72 15.8 7.7 11.5#

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#26

2,2-Dichloropropane

Concen: 10.09 ug/l

RT: 3.76 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF059695.D

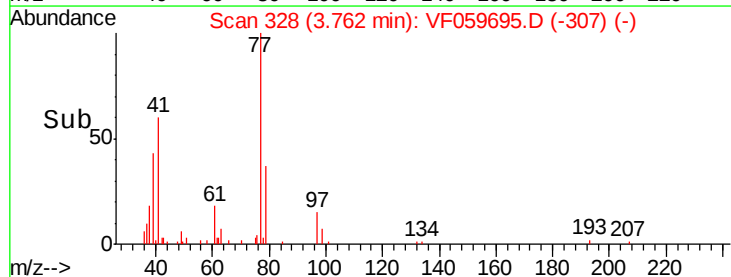
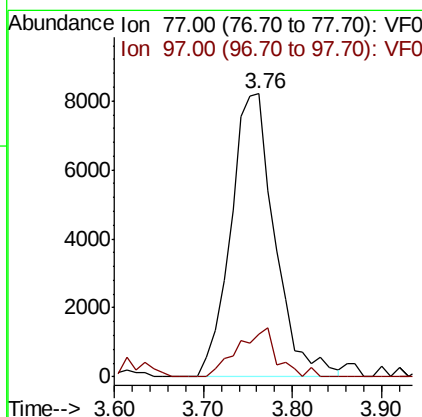
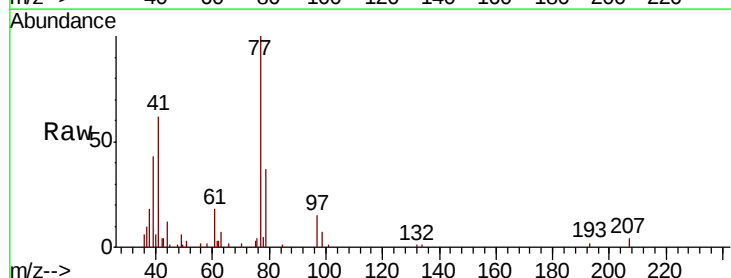
Acq: 30 Jul 2018 18:36

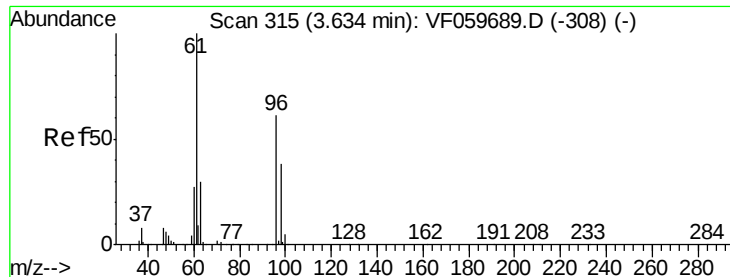
Tgt Ion: 77 Resp: 28181

Ion Ratio Lower Upper

77 100

97 15.3 6.8 20.4





#27

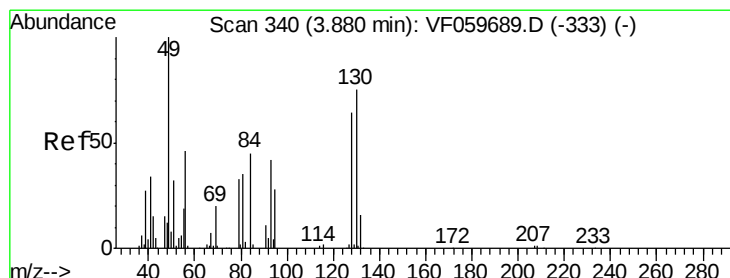
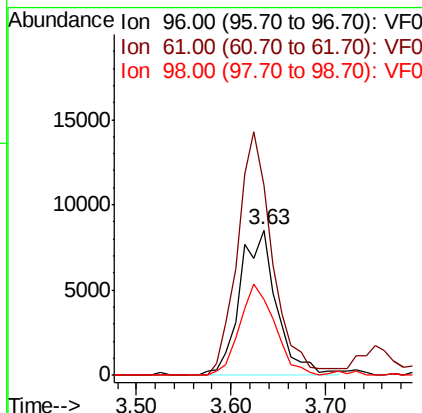
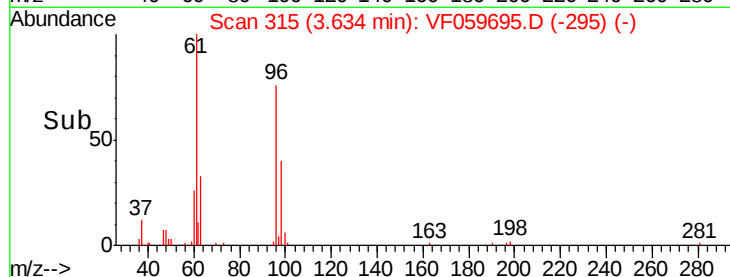
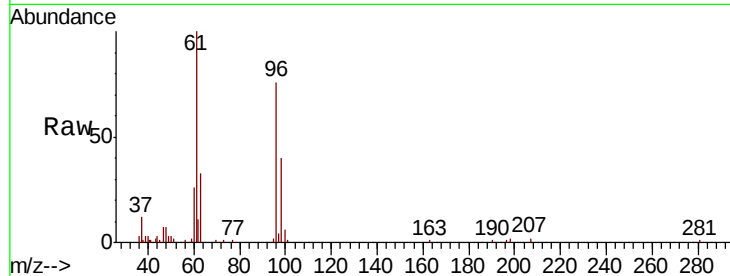
cis-1,2-Dichloroethene
 Concen: 12.99 ug/l
 RT: 3.63 min Scan# 315
 Delta R.T. 0.00 min
 Lab File: VF059695.D
 Acq: 30 Jul 2018 18:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.0	0.0	326.8
98	52.1	0.0	125.2

Manual Integrations
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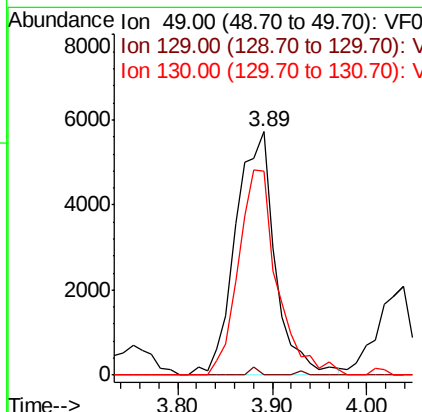
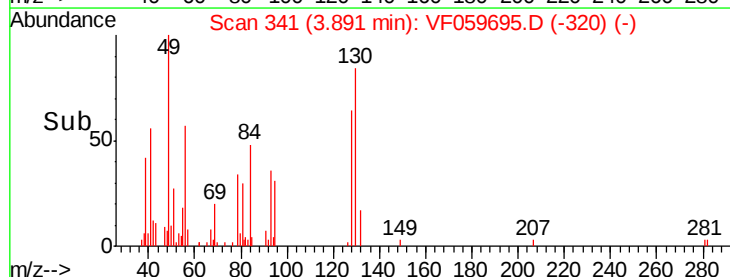
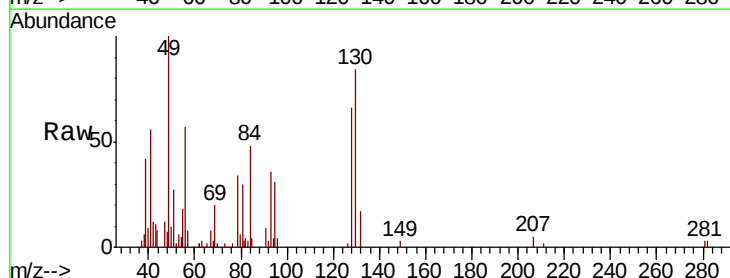
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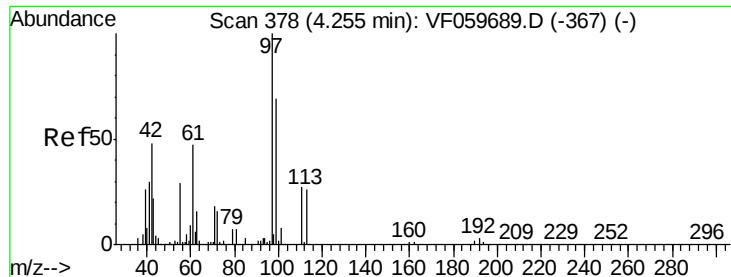


#28

Bromochloromethane
 Concen: 13.12 ug/l
 RT: 3.89 min Scan# 341
 Delta R.T. 0.01 min
 Lab File: VF059695.D
 Acq: 30 Jul 2018 18:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	84.0	59.6	89.4





#29

Tetrahydrofuran

Concen: 61.92 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

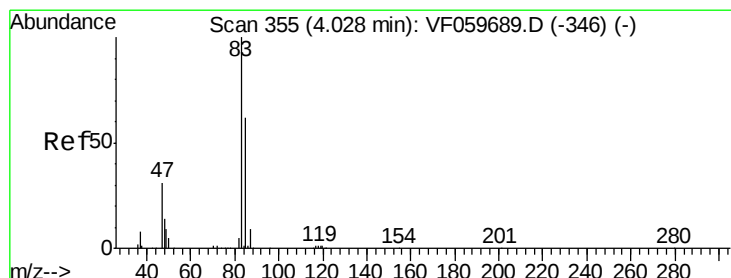
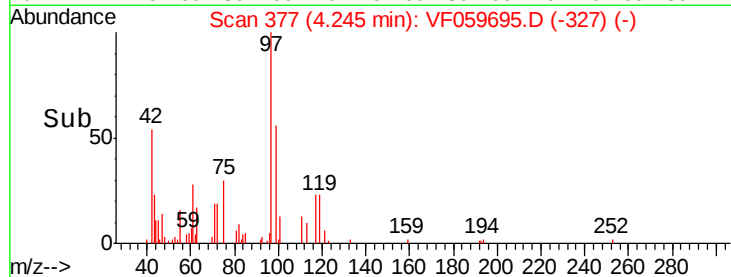
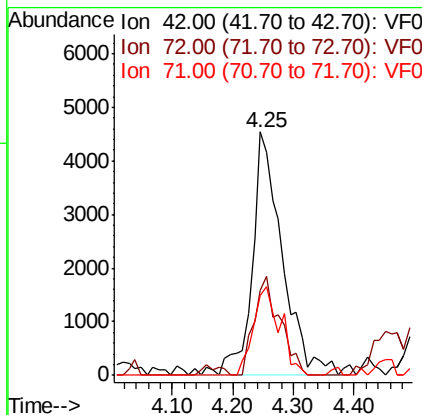
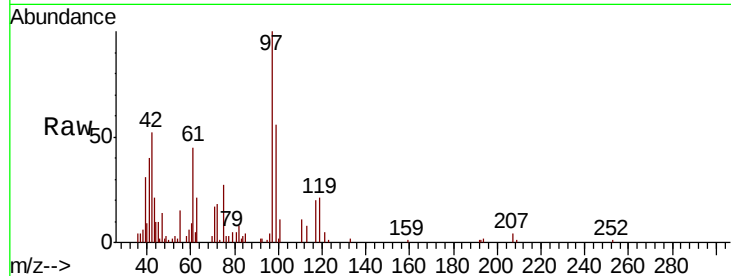
ClientSampleId :

VSTDIC010

Tot Ion:	42	Resp:	15819
Ion Ratio		Lower	Upper
42	100		
72	34.7	27.0	40.6
71	32.2	29.7	44.5

Manual Integrations
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#30

Chloroform

Concen: 11.75 ug/l

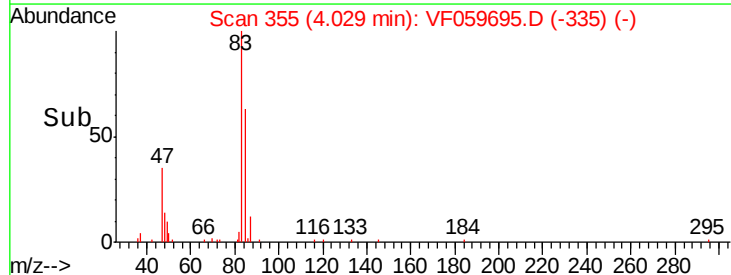
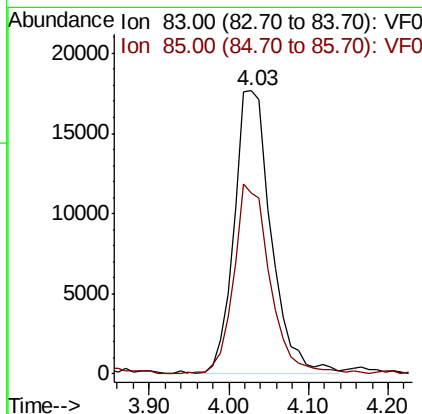
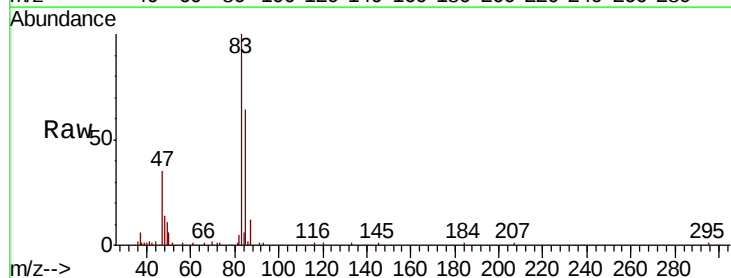
RT: 4.03 min Scan# 355

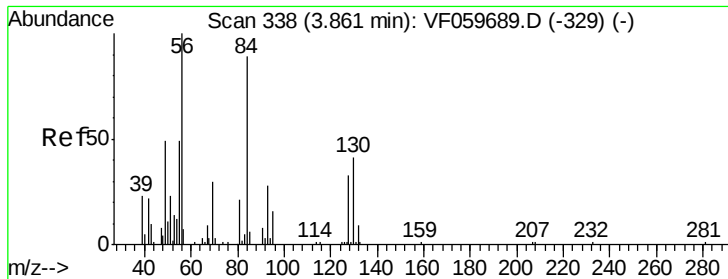
Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Tgt Ion:	83	Resp:	56970
Ion Ratio		Lower	Upper
83	100		
85	64.1	49.4	74.0





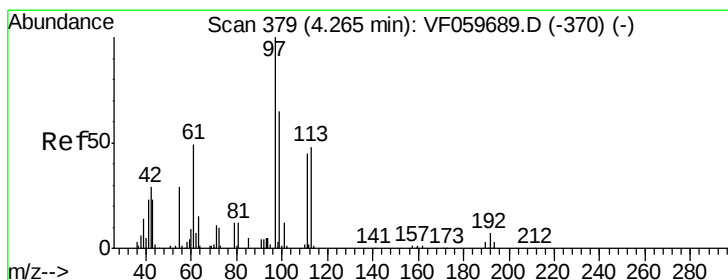
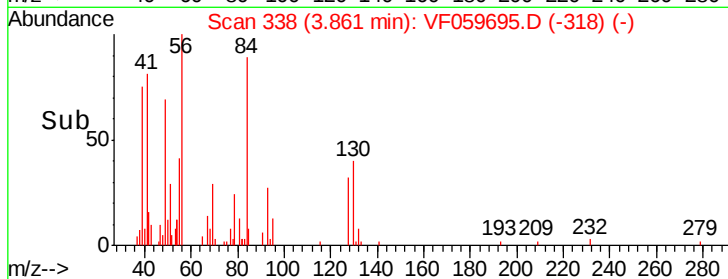
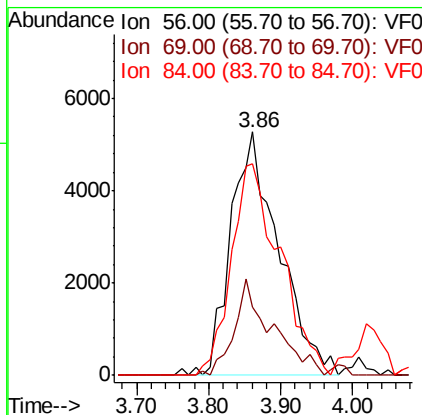
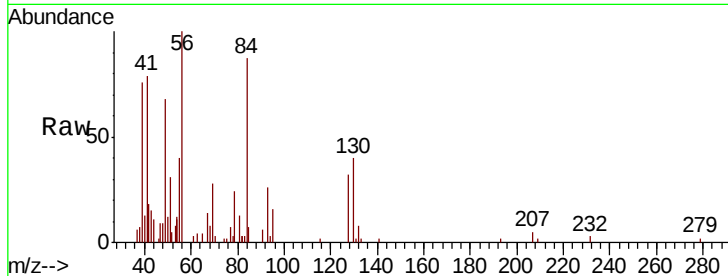
#31
Cyclohexane
Concen: 12.34 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.1	23.7	35.5
84	86.8	71.1	106.7

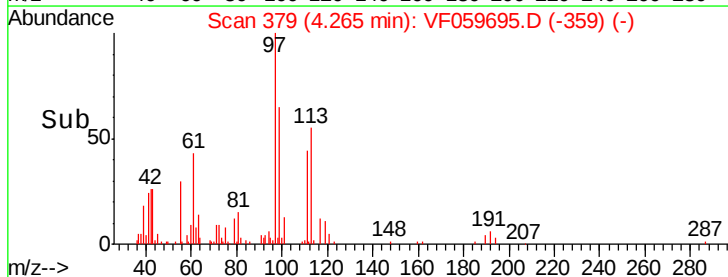
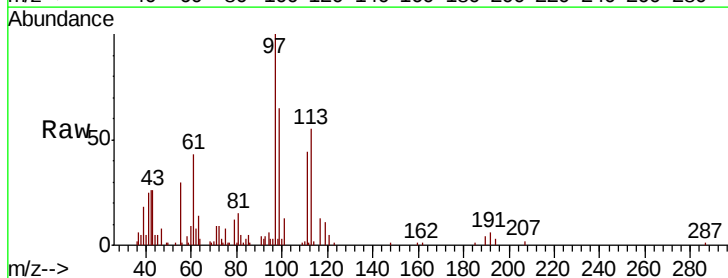
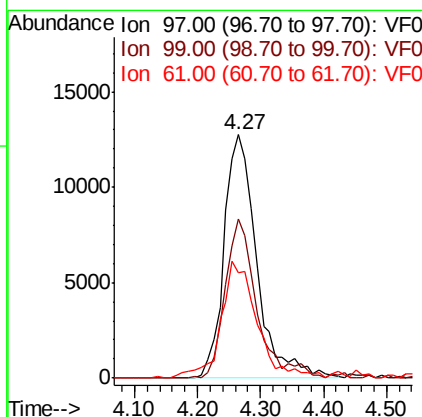
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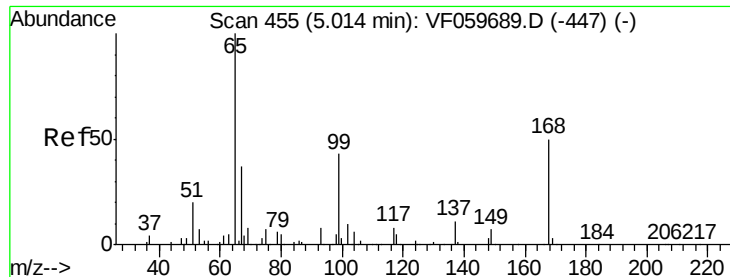
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#32
1,1,1-Trichloroethane
Concen: 11.54 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	52.4	78.6
61	43.2	39.7	59.5





#33

1,2-Dichloroethane-d4

Concen: 12.34 ug/l

RT: 5.01 min Scan# 455

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 65 Resp: 39125

Ion Ratio Lower Upper

65 100

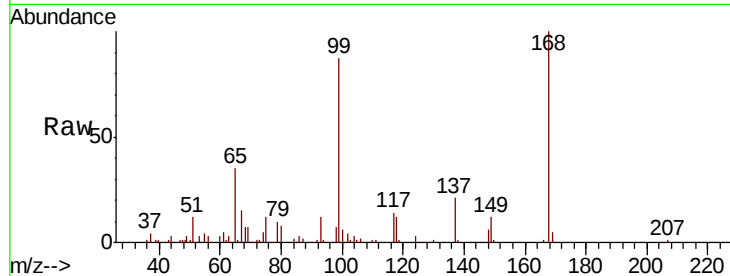
67 44.0 0.0 84.6

Manual Integrations

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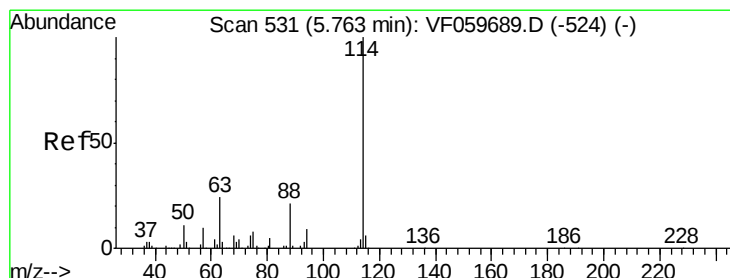
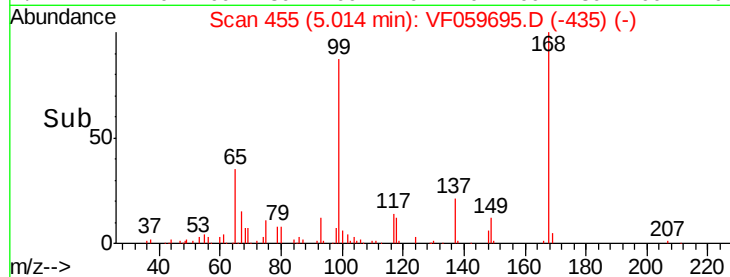
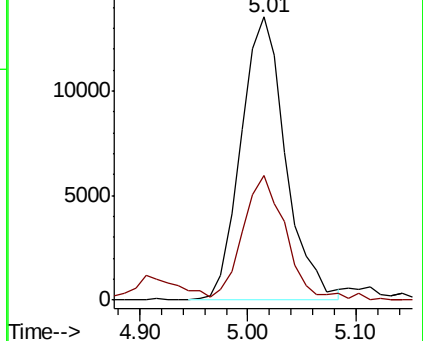
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 531

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

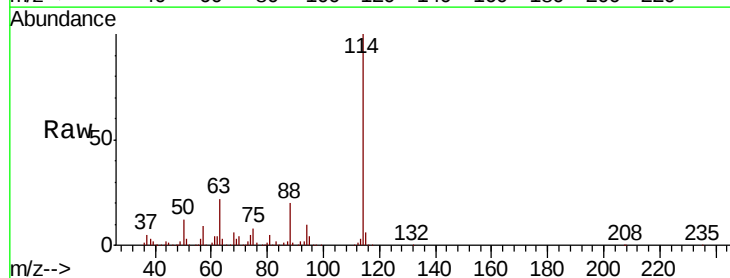
Tgt Ion: 114 Resp: 278734

Ion Ratio Lower Upper

114 100

63 22.0 0.0 47.4

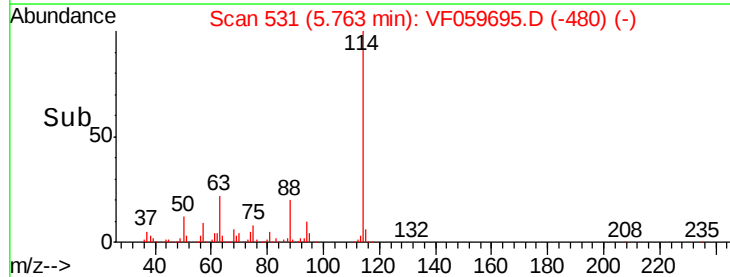
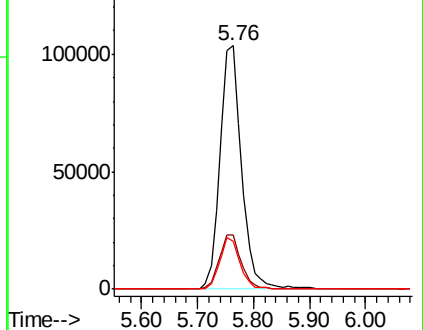
88 19.7 0.0 41.2

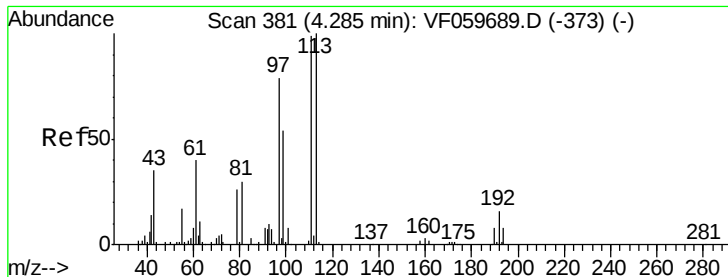


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 12.34 ug/l

RT: 4.28 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

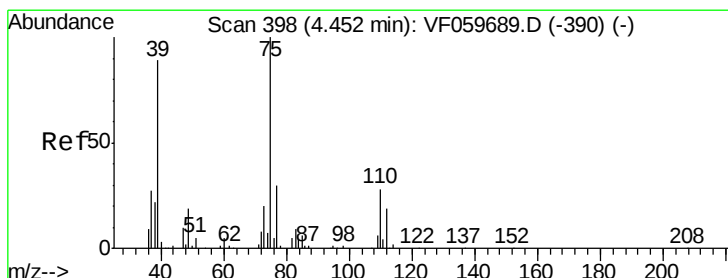
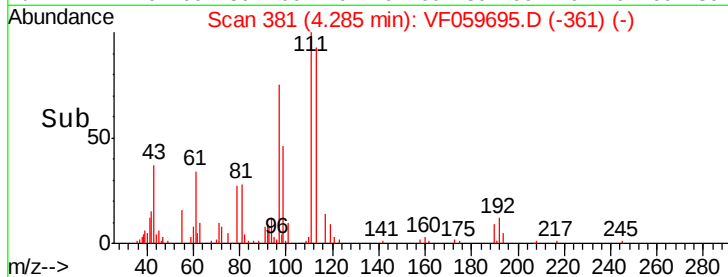
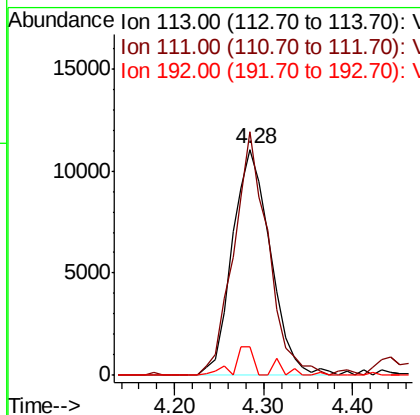
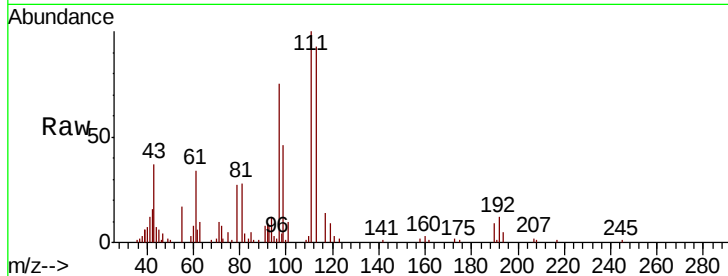
ClientSampleId :

VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
113	100			
111	107.7	79.0	118.4	
192	12.7	13.2	19.8	

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#36

1,1-Dichloropropene

Concen: 11.94 ug/l

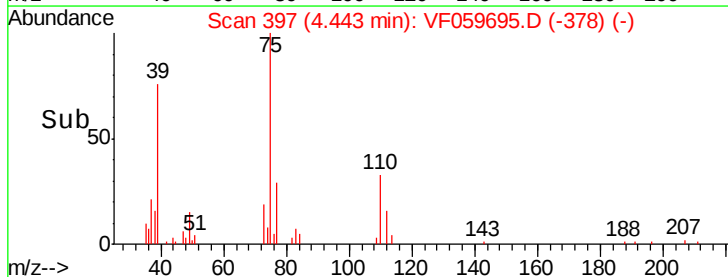
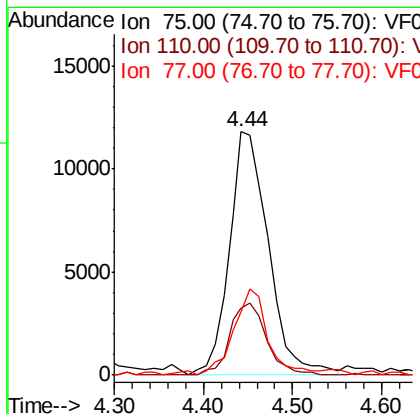
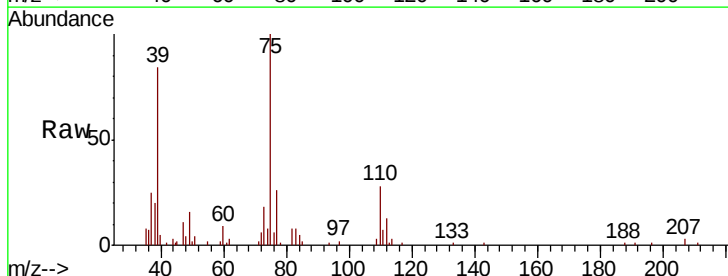
RT: 4.44 min Scan# 397

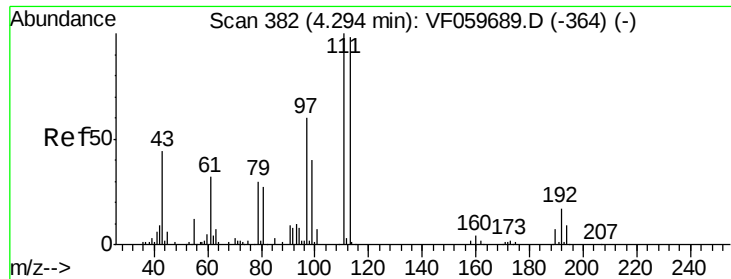
Delta R.T. -0.01 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Tgt Ion	Ion	Ratio	Lower	Upper
75	100			
110	27.6	14.0	41.9	
77	26.1	24.2	36.2	





#37

Ethyl Acetate

Concen: 15.44 ug/l

RT: 4.28 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

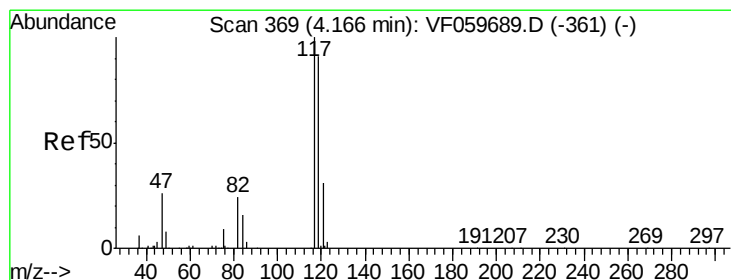
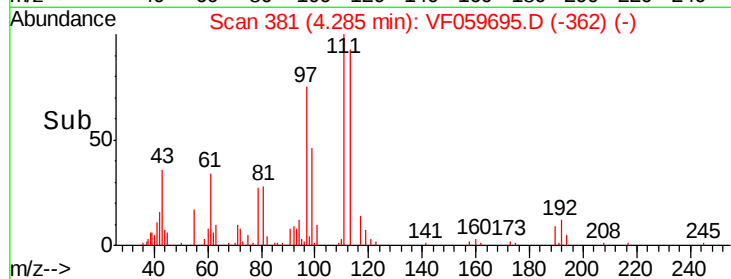
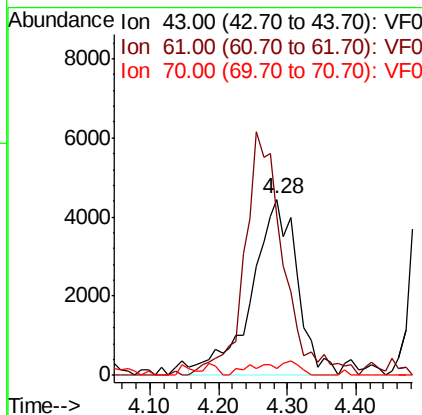
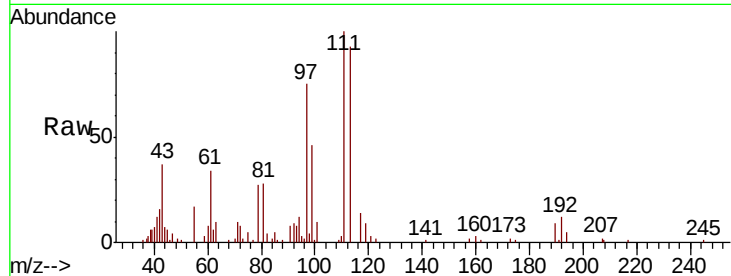
ClientSampleId :

VSTDIC010

Tot Ion	43	Resp	20367
Ion Ratio	Lower	Upper	
43	100		
61	90.2	58.2	87.2#
70	4.2	6.0	9.0#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 11.54 ug/l m

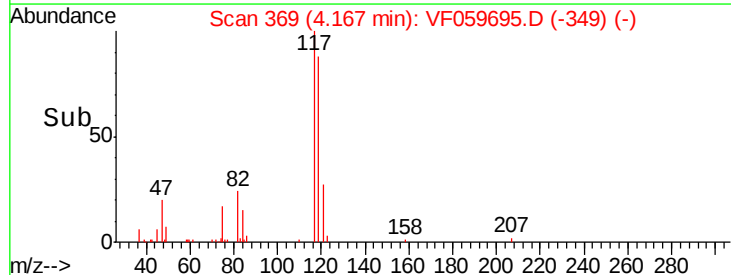
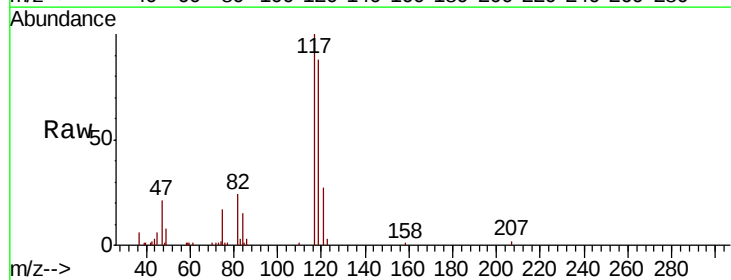
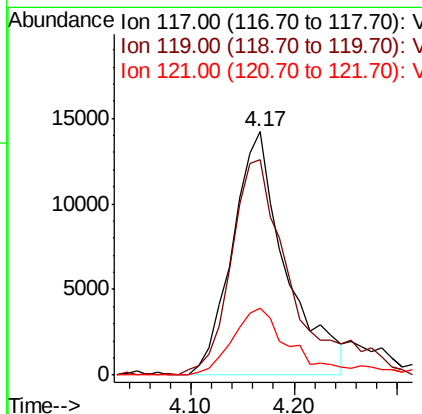
RT: 4.17 min Scan# 369

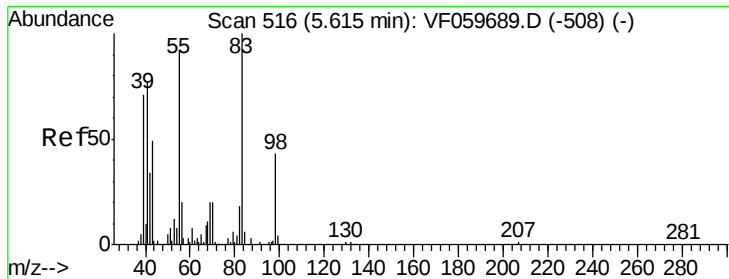
Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Tgt Ion	117	Resp	51177
Ion Ratio	Lower	Upper	
117	100		
119	88.3	72.9	109.3
121	27.4	25.0	37.4





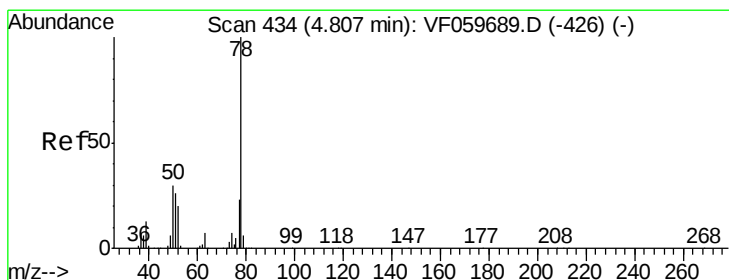
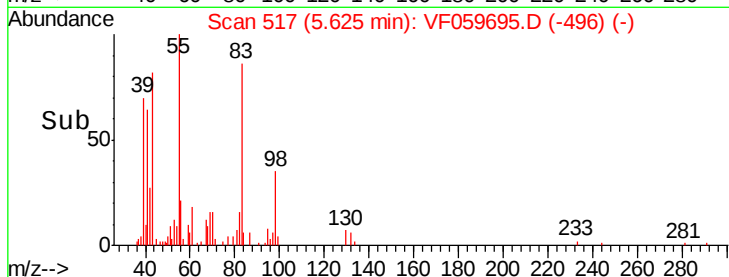
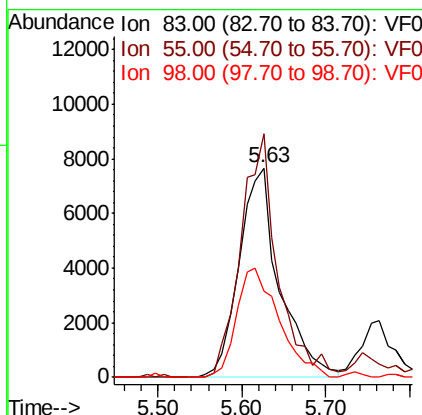
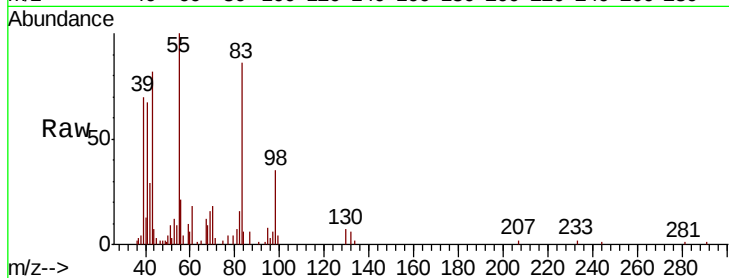
#39
Methvlcvclohexane
Concen: 10.44 ug/l
RT: 5.63 min Scan# 517
Delta R.T. 0.01 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	116.3	73.4	110.2#
98	41.1	34.2	51.4

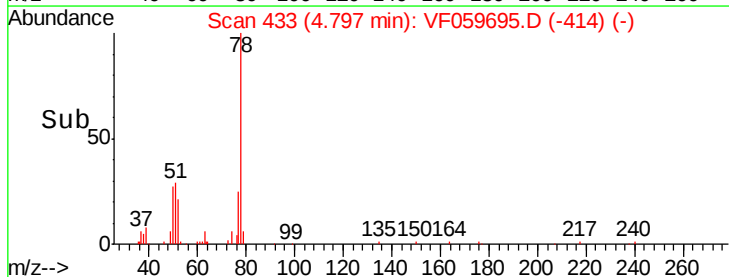
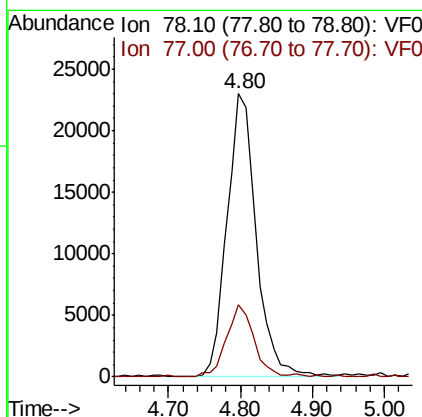
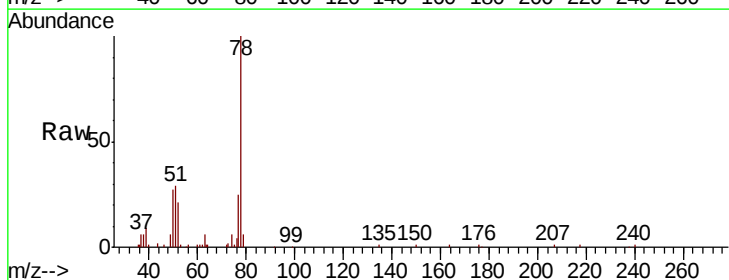
Manual Integrations
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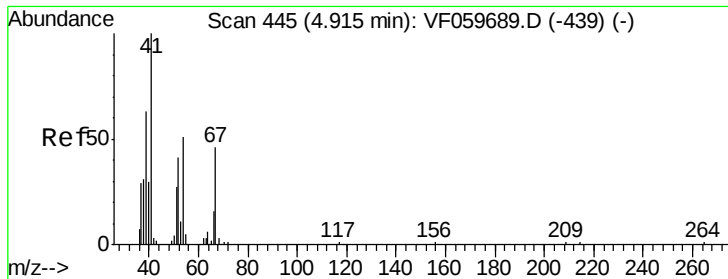
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#40
Benzene
Concen: 12.13 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.4	18.9	28.3





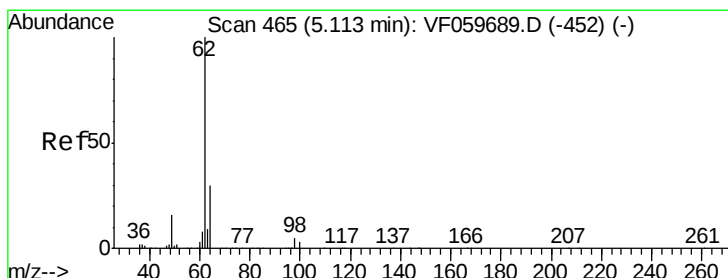
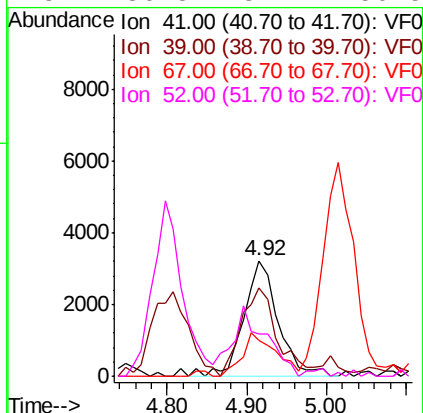
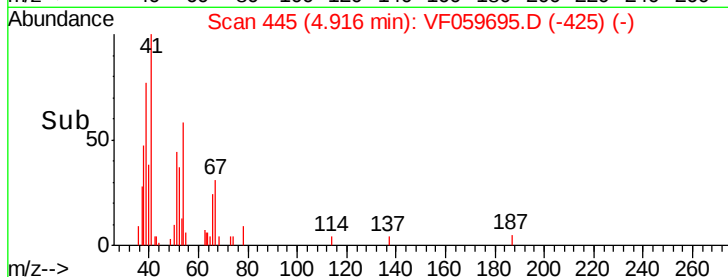
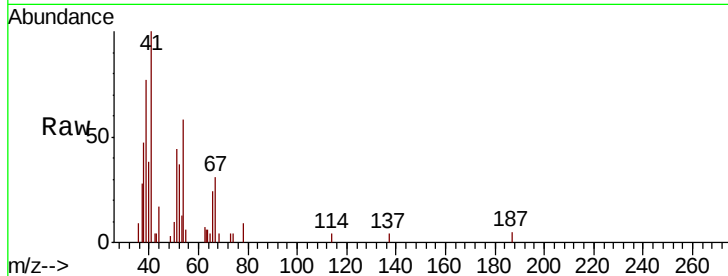
#41
Methacrylonitrile
Concen: 14.76 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	76.8	55.2	82.8
67	30.9	36.2	54.2#
52	36.8	37.7	56.5#

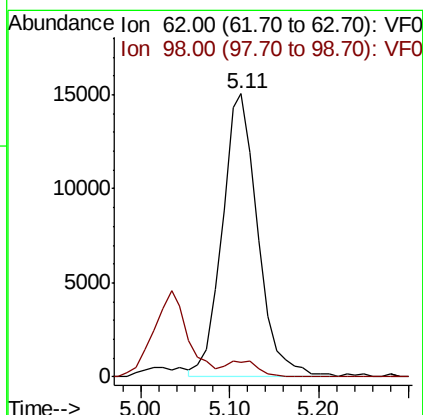
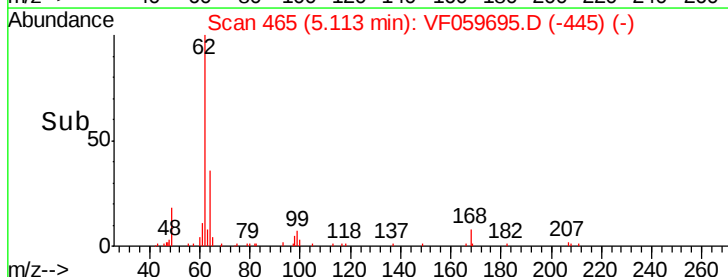
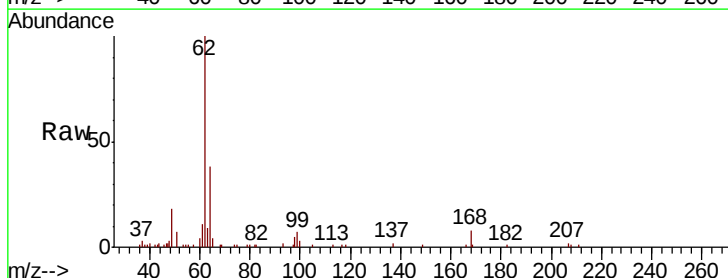
Manual Integrations
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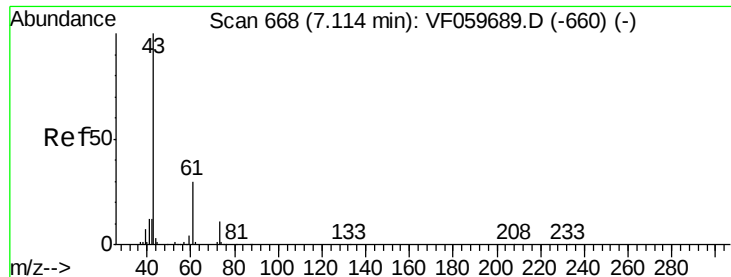
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#42
1,2-Dichloroethane
Concen: 12.04 ug/l
RT: 5.11 min Scan# 465
Delta R.T. 0.00 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.2	0.0	9.6





#43

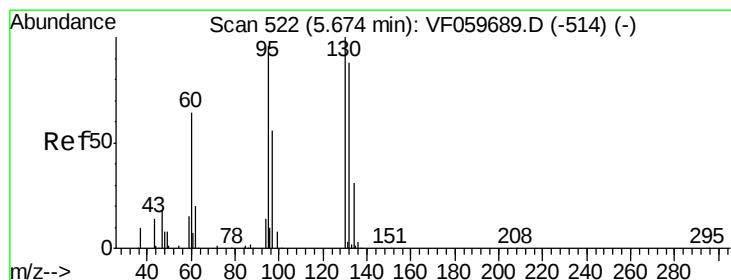
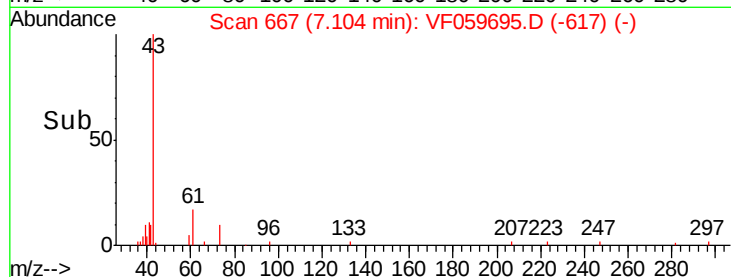
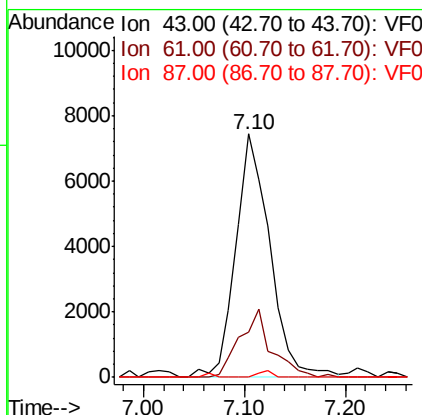
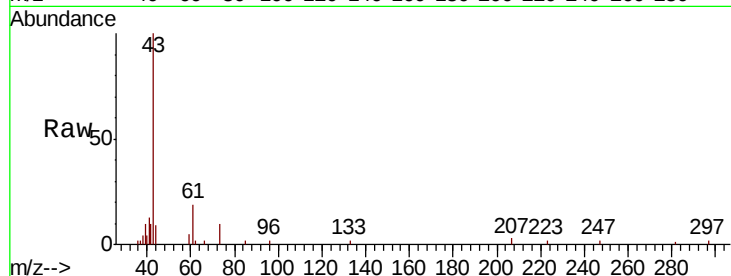
Isopropyl Acetate
 Concen: 12.86 ug/l
 RT: 7.10 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059695.D
 Acq: 30 Jul 2018 18:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	23.8	35.8#
87	0.0	0.6	1.0#

Manual Integrations
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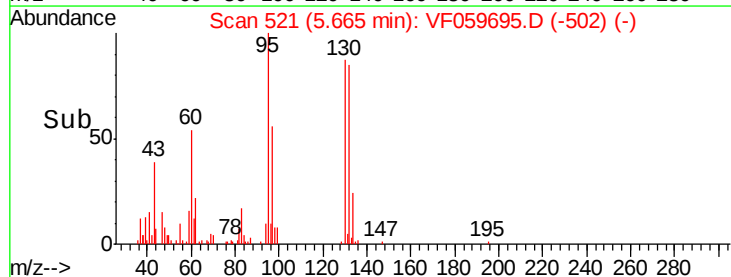
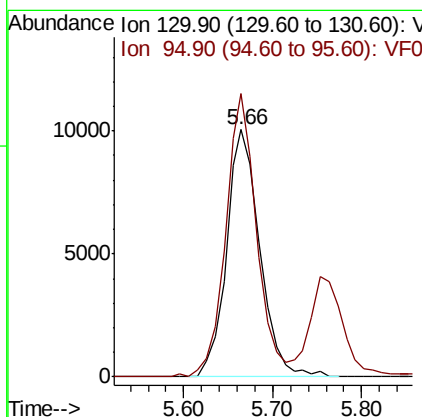
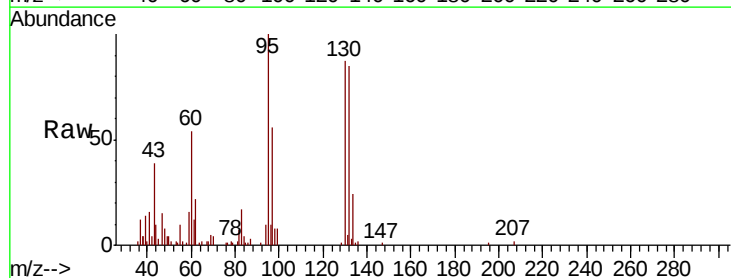
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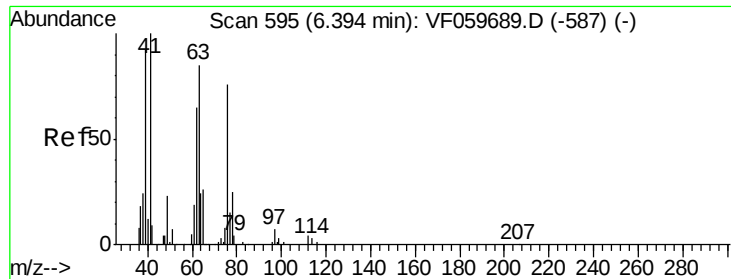


#44

Trichloroethene
 Concen: 12.63 ug/l
 RT: 5.66 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF059695.D
 Acq: 30 Jul 2018 18:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	114.5	0.0	191.0





#45

1,2-Dichloropropane

Concen: 11.23 ug/l

RT: 6.39 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 16025

Ion Ratio Lower Upper

63 100

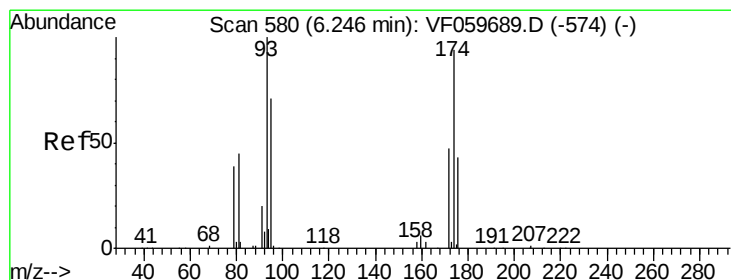
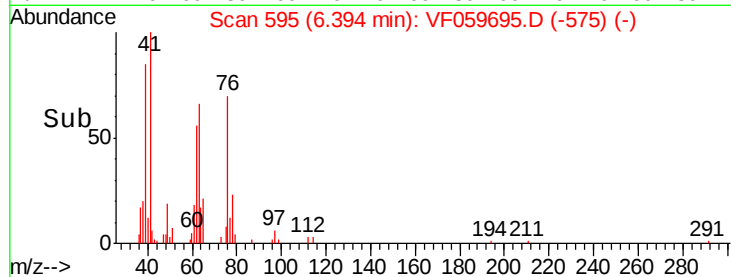
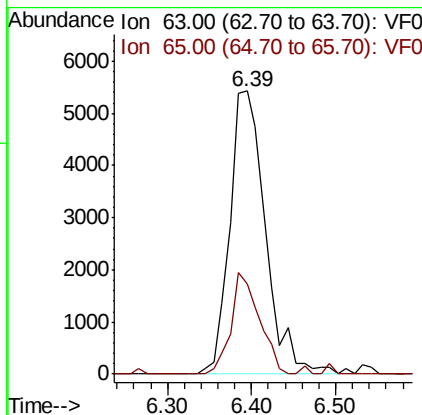
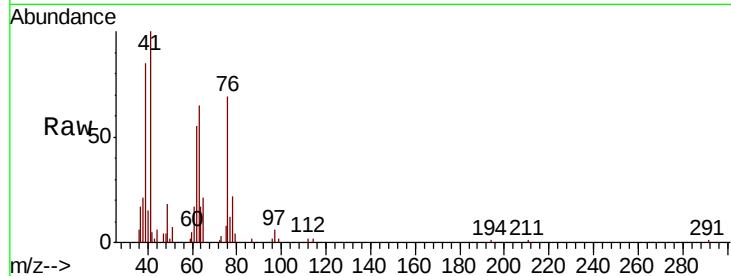
65 31.7 25.2 37.8

Manual Integrations

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#46

Dibromomethane

Concen: 11.68 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

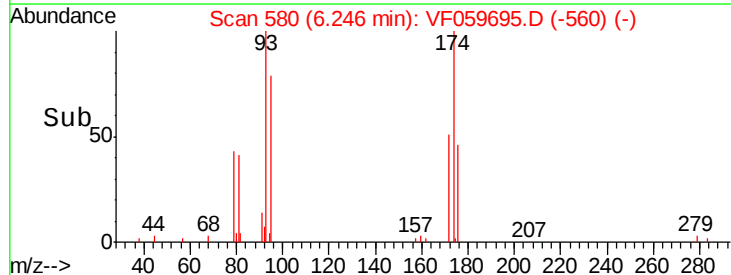
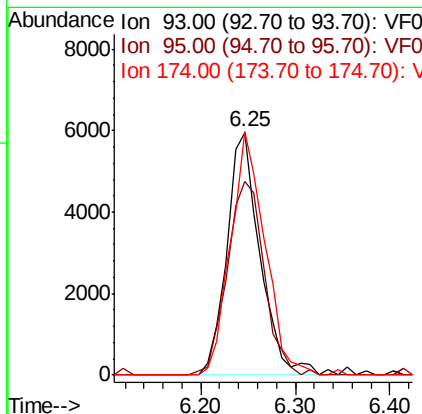
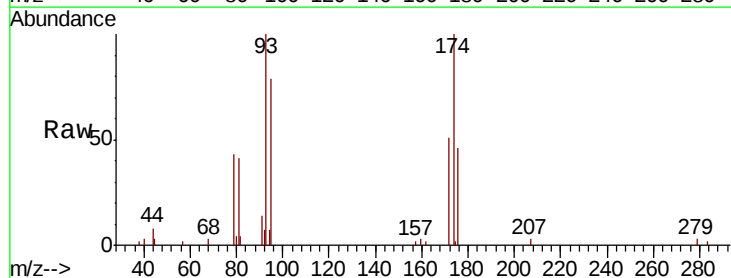
Tgt Ion: 93 Resp: 14472

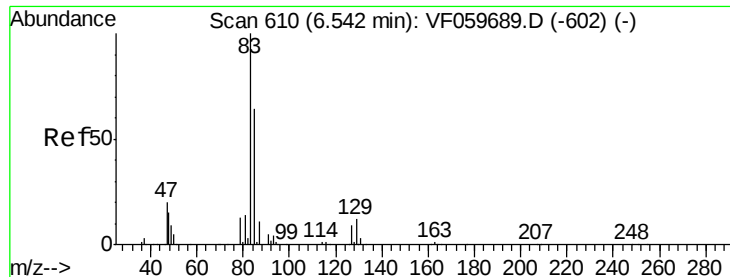
Ion Ratio Lower Upper

93 100

95 79.8 57.1 85.7

174 102.3 74.8 112.2





#47

Bromodichloromethane

Concen: 11.15 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

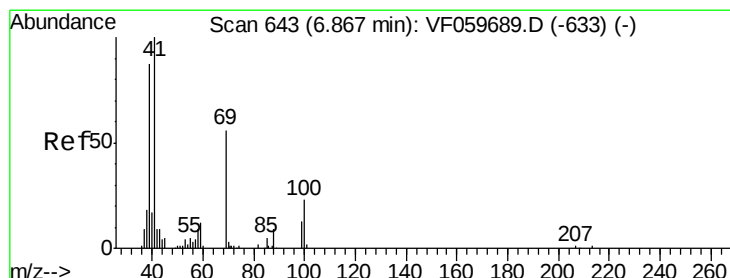
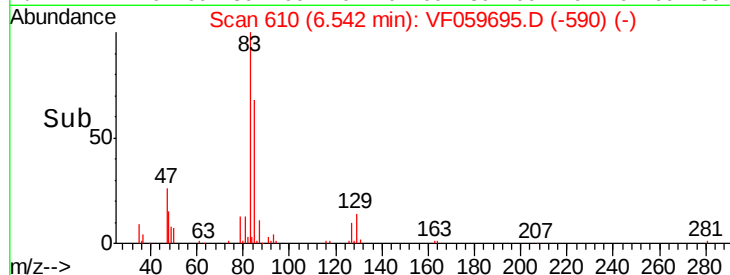
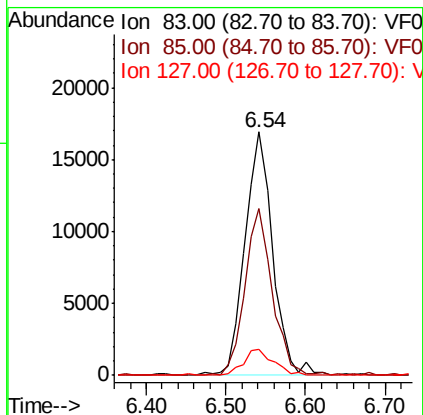
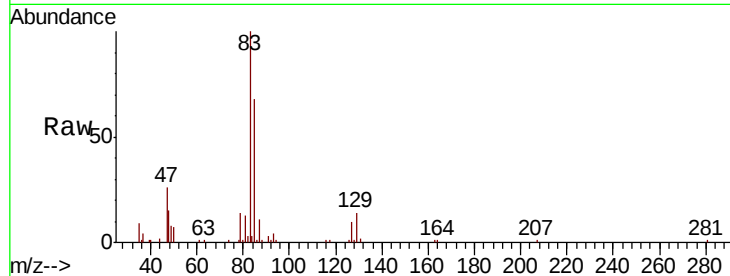
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	40470
Ion	Ratio	Lower	Upper
83	100		
85	68.5	51.0	76.6
127	10.4	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 12.19 ug/l

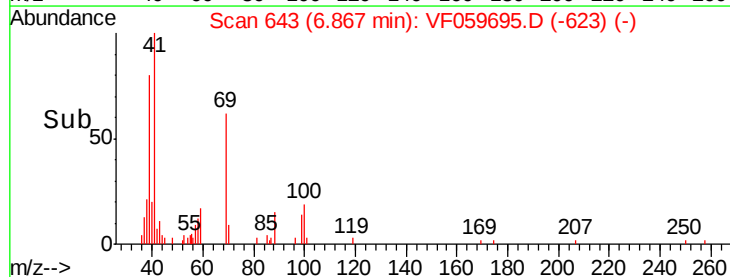
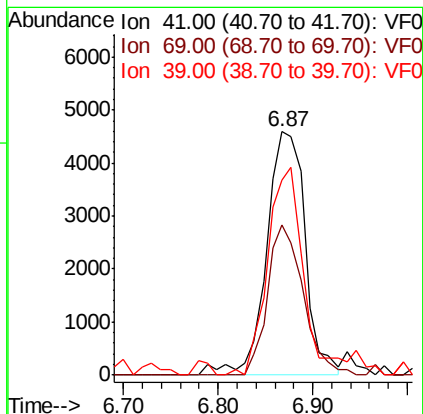
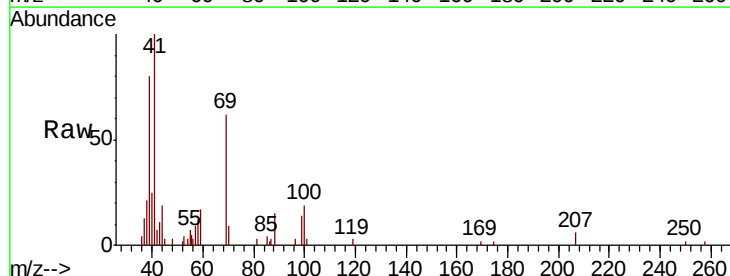
RT: 6.87 min Scan# 643

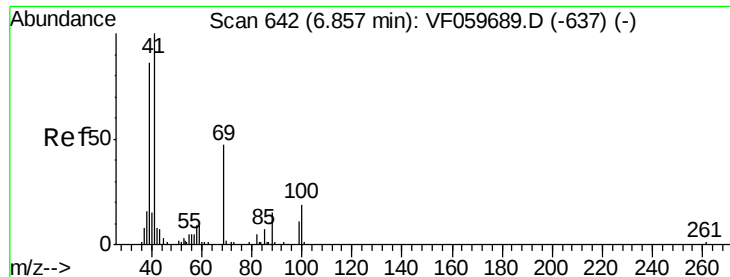
Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Tgt Ion:	41	Resp:	13061
Ion	Ratio	Lower	Upper
41	100		
69	61.9	44.4	66.6
39	80.3	69.4	104.2





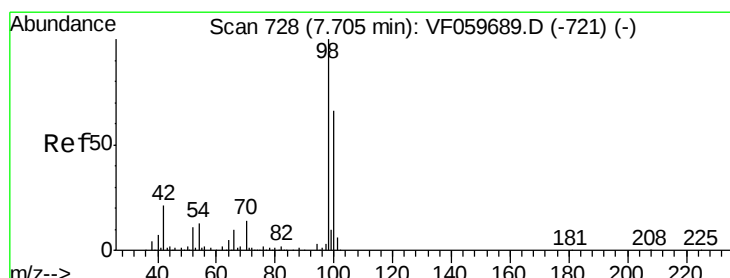
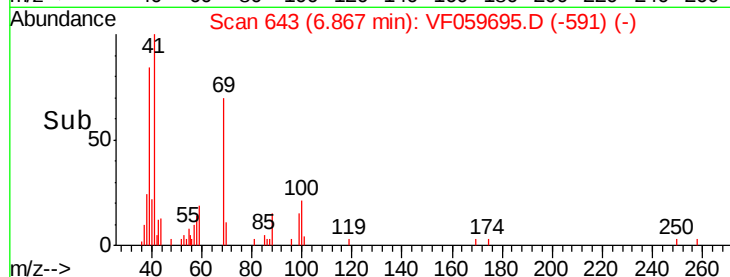
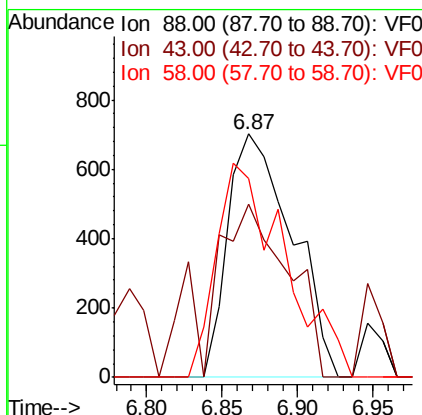
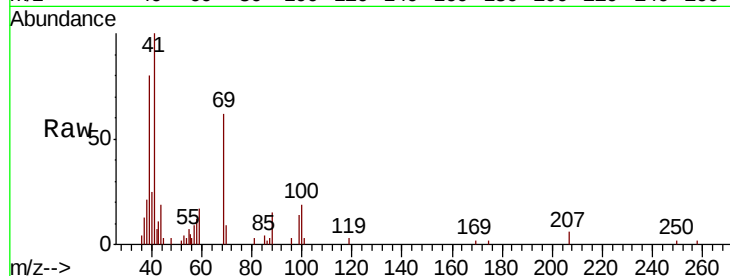
#49
1,4-Dioxane
Concen: 243.66 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	71.4	45.2	67.8#
58	81.5	49.0	73.6#

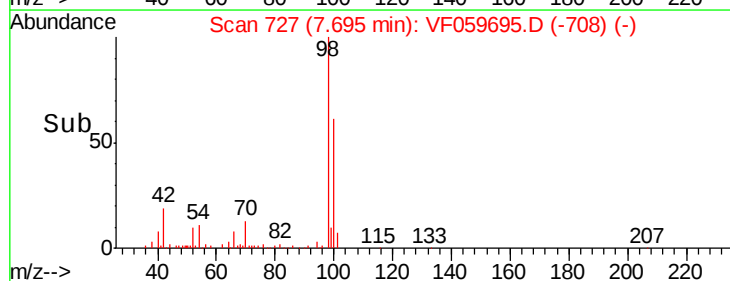
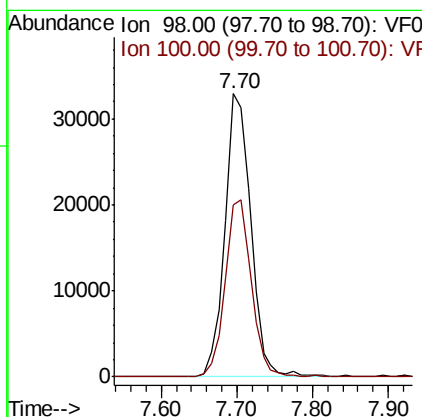
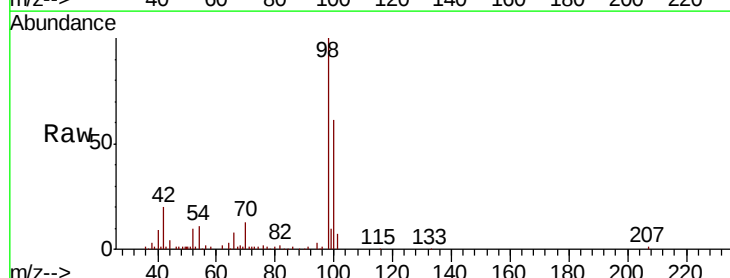
Manual Integrations
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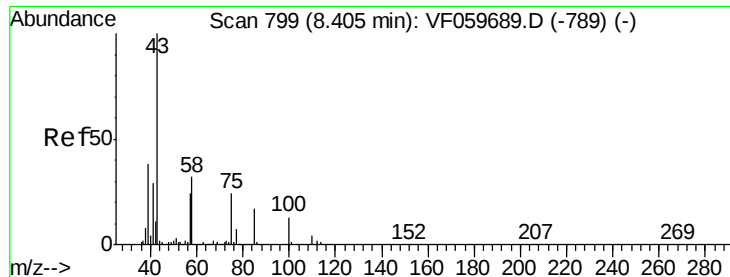
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#50
Toluene-d8
Concen: 12.09 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	60.8	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 62.60 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 68796

Ion Ratio Lower Upper

43 100

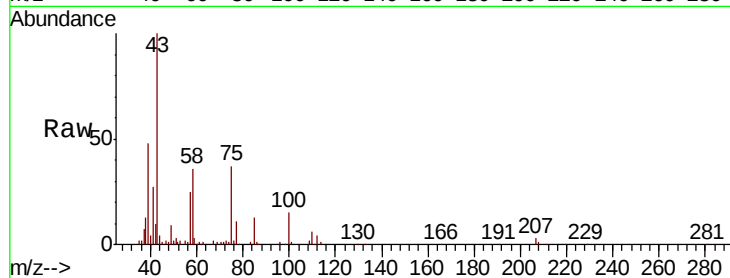
58 36.0 25.9 38.9

Manual Integrations

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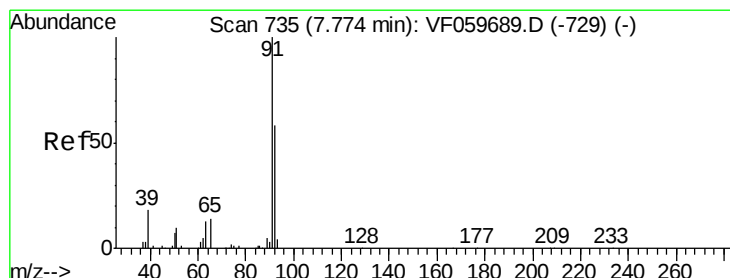
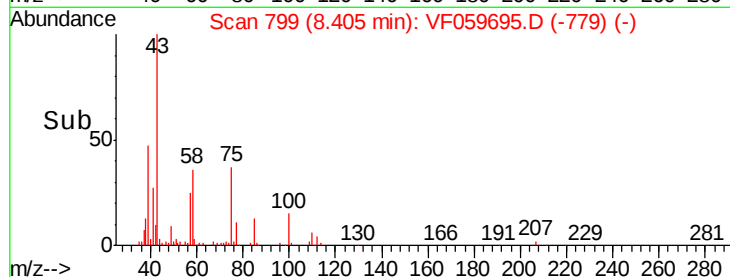
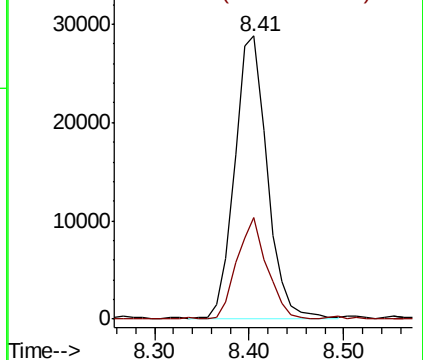
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 11.54 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059695.D

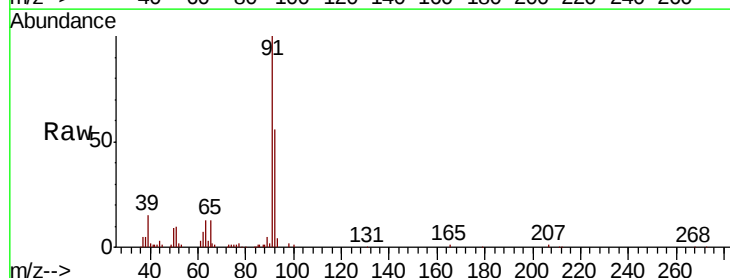
Acq: 30 Jul 2018 18:36

Tgt Ion: 92 Resp: 46034

Ion Ratio Lower Upper

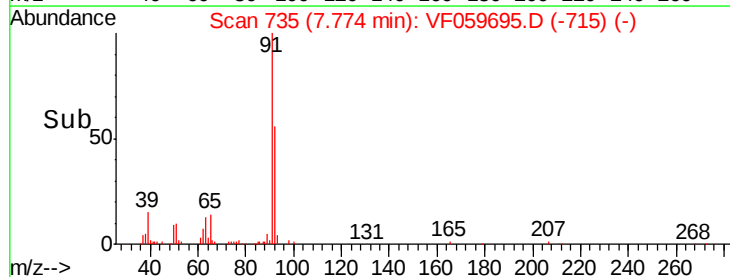
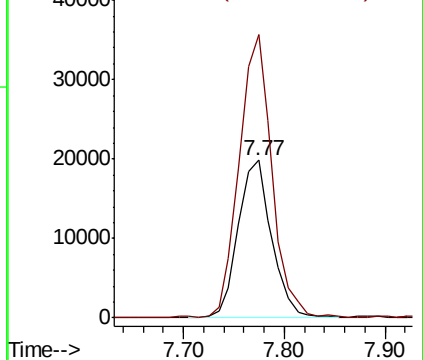
92 100

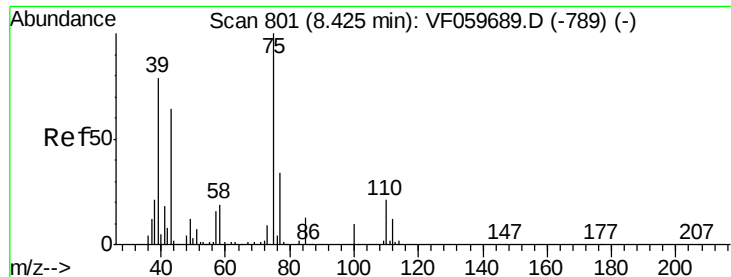
91 179.9 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 12.92 ug/l

RT: 8.42 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 37517

Ion Ratio Lower Upper

75 100

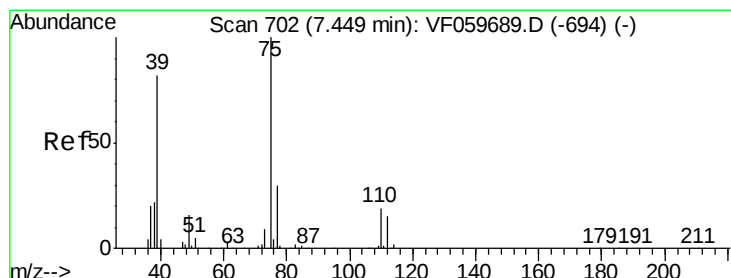
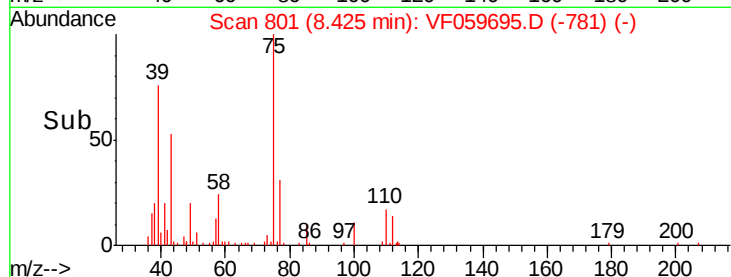
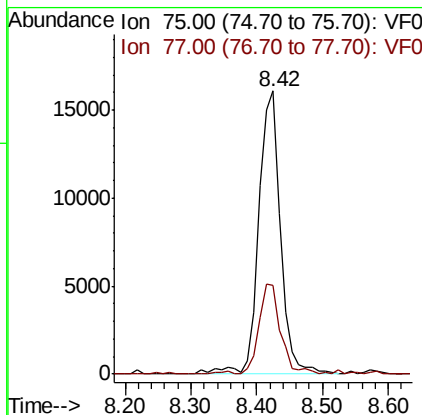
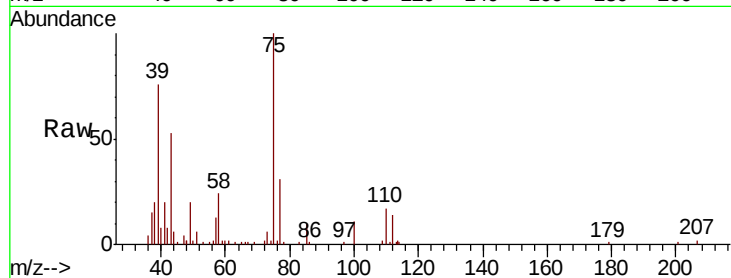
77 31.5 27.0 40.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 11.39 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

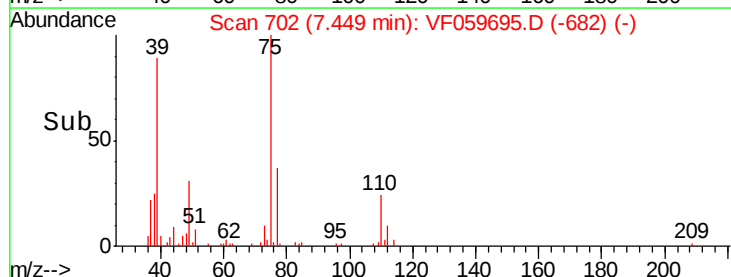
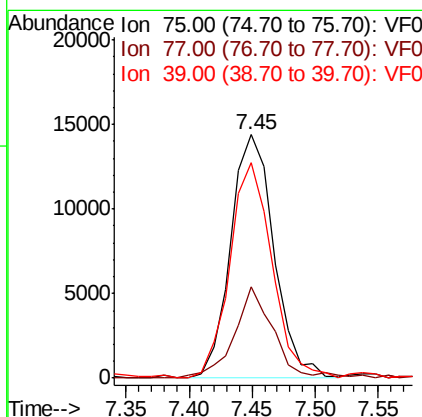
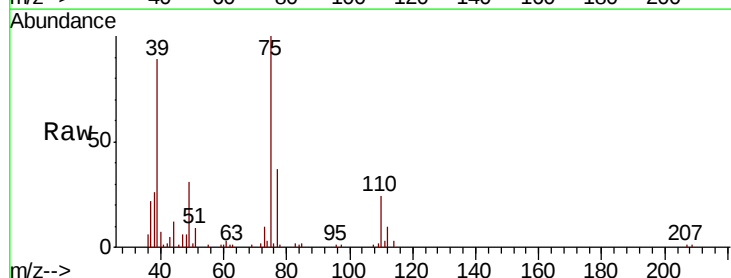
Tgt Ion: 75 Resp: 34333

Ion Ratio Lower Upper

75 100

77 37.5 24.0 36.0#

39 88.7 65.4 98.2





#55

1,1,2-Trichloroethane

Concen: 12.44 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

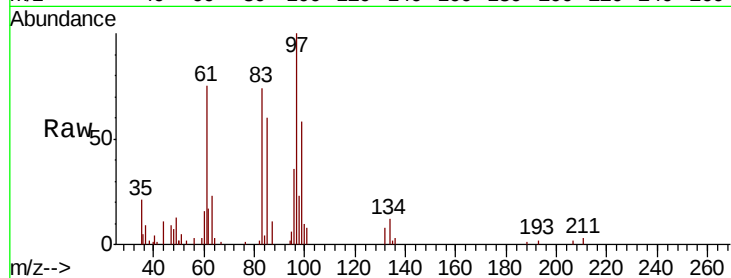
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	16477
Ion	Ratio	Lower	Upper
97	100		
83	74.0	66.6	100.0
85	60.3	47.4	71.0
99	58.0	53.2	79.8

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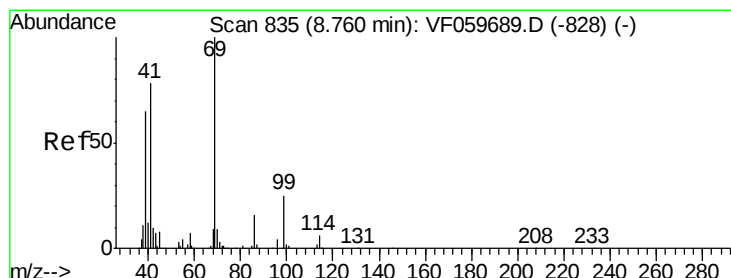
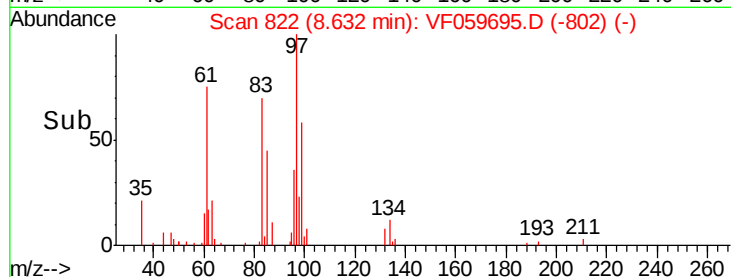
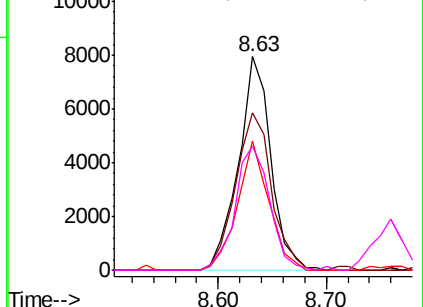


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 10.93 ug/l

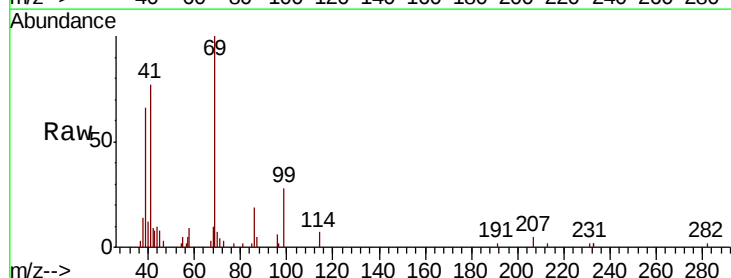
RT: 8.76 min Scan# 835

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

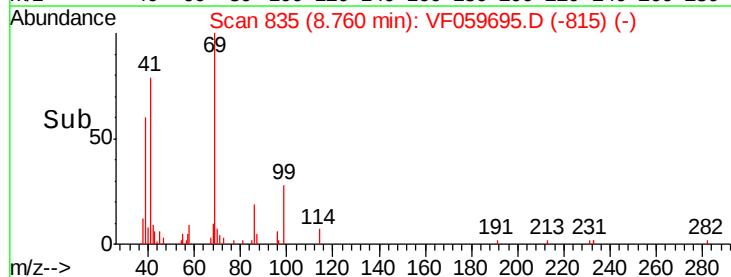
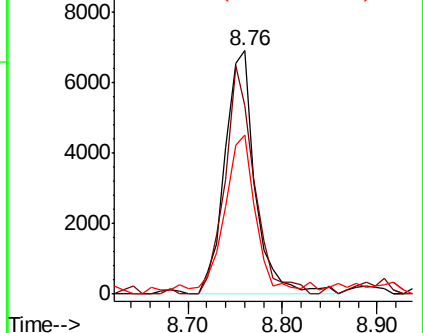
Tgt Ion:	69	Resp:	15355
Ion	Ratio	Lower	Upper
69	100		
41	77.4	62.3	93.5
39	65.6	52.4	78.6

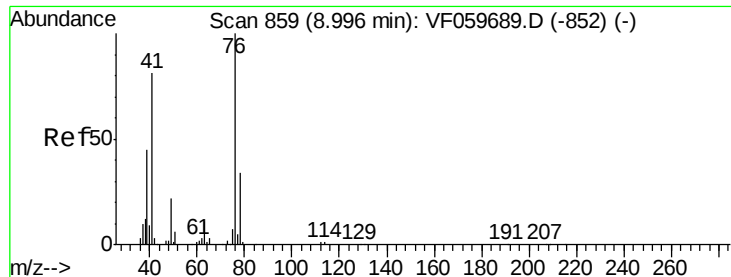


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 12.61 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 28894

Ion Ratio Lower Upper

76 100

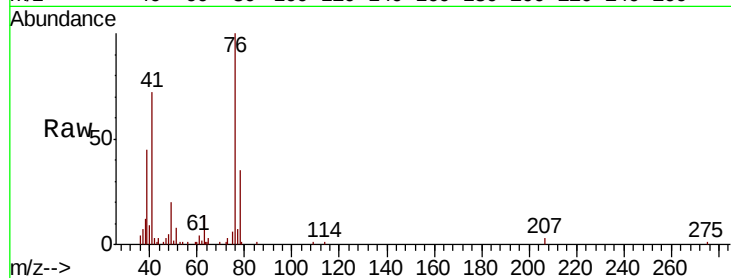
78 34.8 27.2 40.8

Manual Integrations

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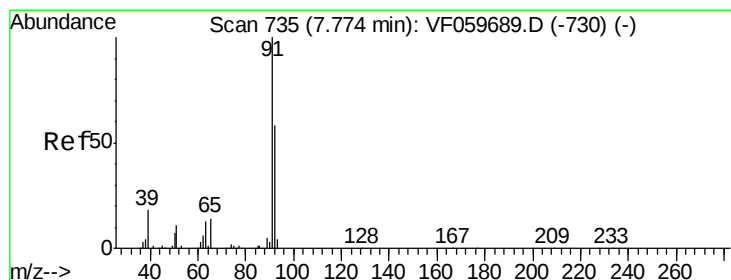
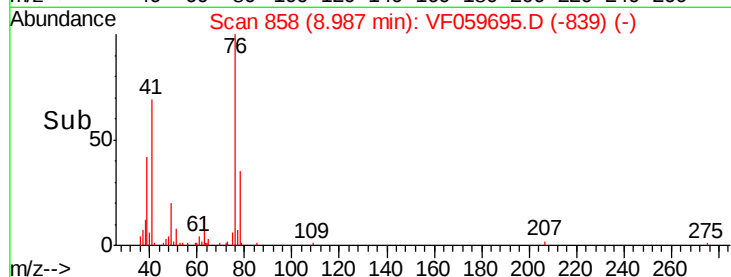
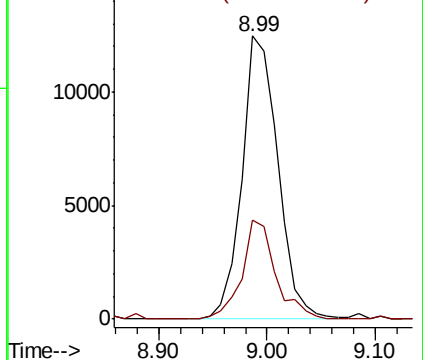
apatel

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Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 65.19 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059695.D

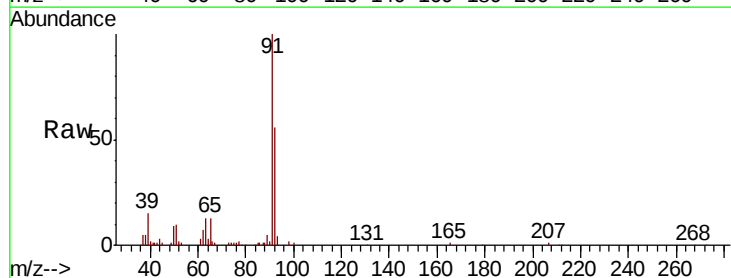
Acq: 30 Jul 2018 18:36

Tgt Ion: 63 Resp: 11054

Ion Ratio Lower Upper

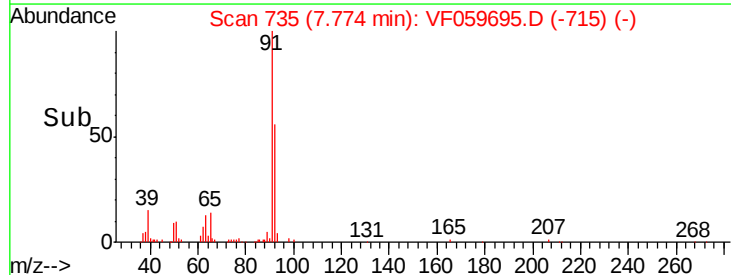
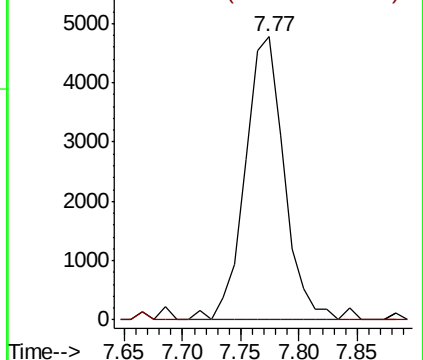
63 100

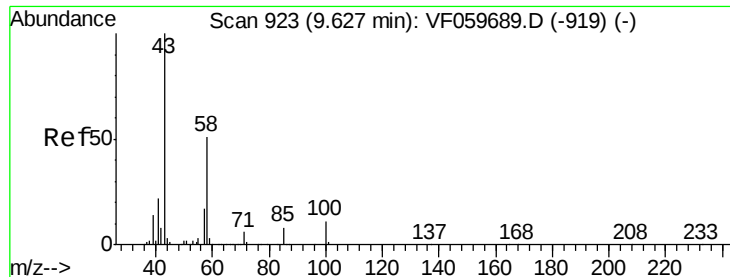
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





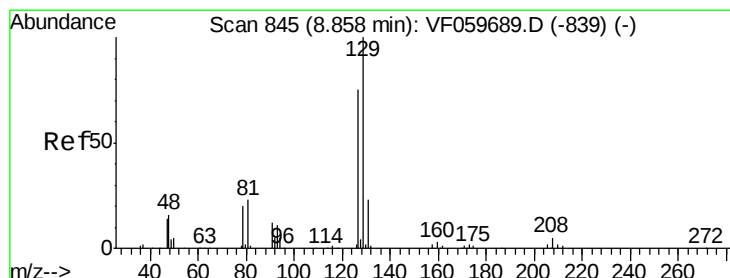
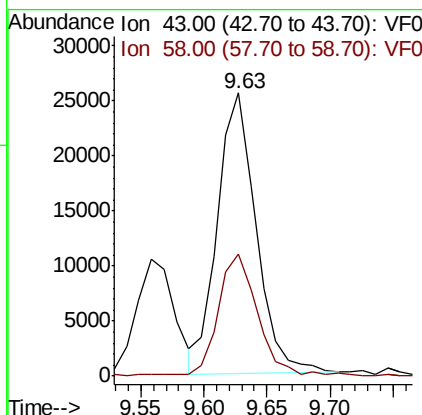
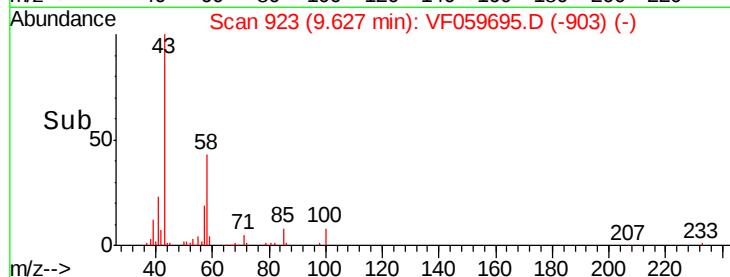
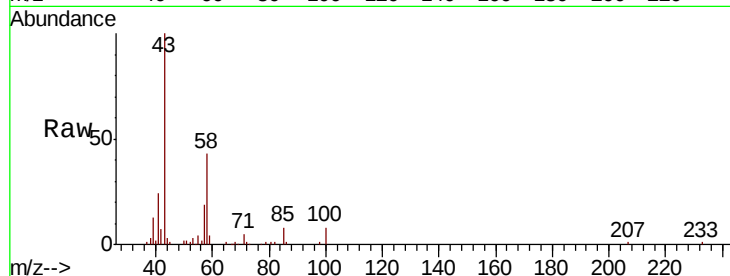
#59
2-Hexanone
Concen: 66.41 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.1	23.3	69.8

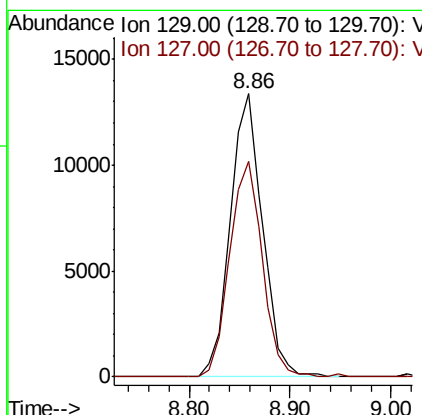
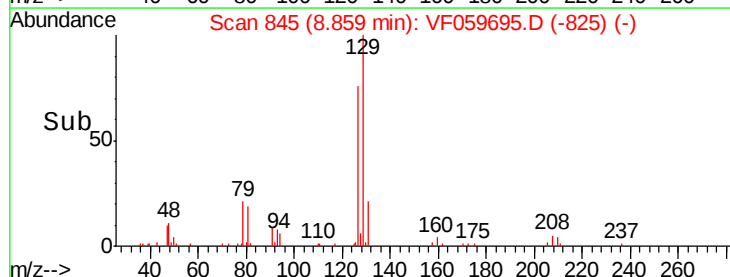
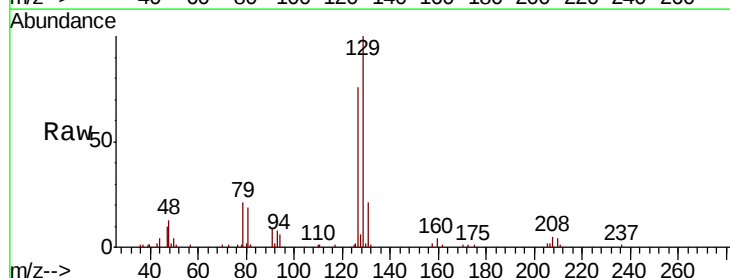
Manual Integrations
APPROVED

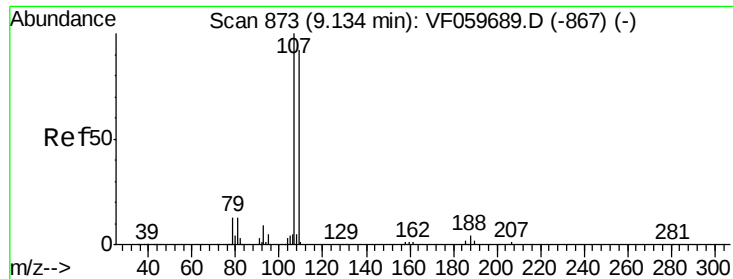
apatel
7/31/2018 12:13:08 PM



#60
Dibromochloromethane
Concen: 12.43 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.4	37.7	113.1





#61

1,2-Dibromoethane

Concen: 12.11 ug/l

RT: 9.12 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 19406

Ion Ratio Lower Upper

107 100

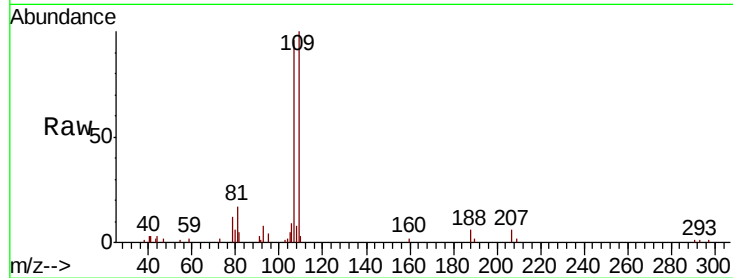
109 103.8 73.6 110.4

Manual Integrations

APPROVED

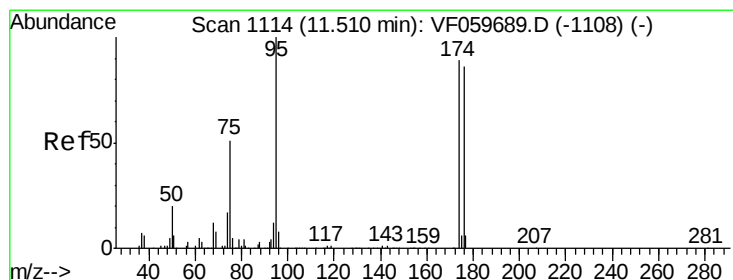
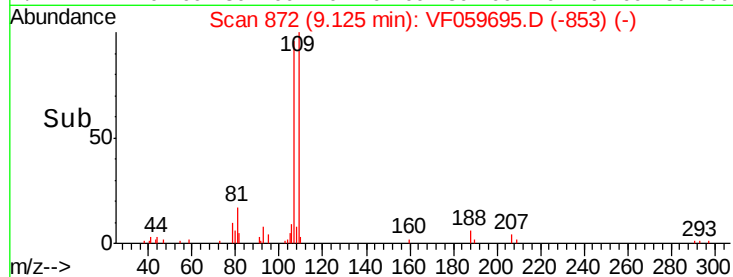
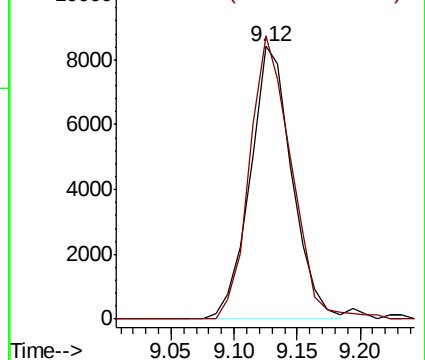
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 11.73 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

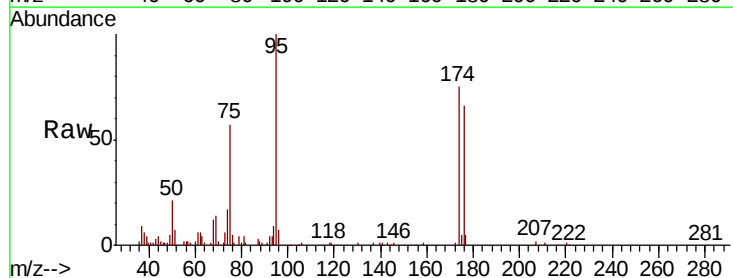
Tgt Ion: 95 Resp: 40930

Ion Ratio Lower Upper

95 100

174 75.4 0.0 178.4

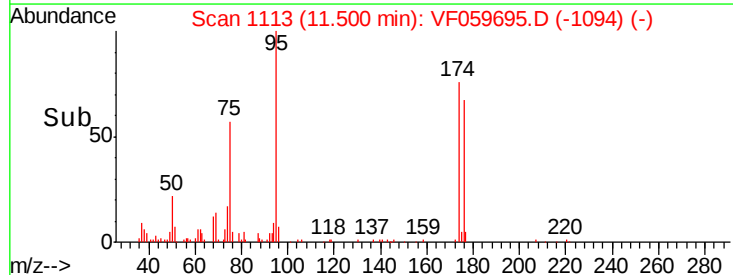
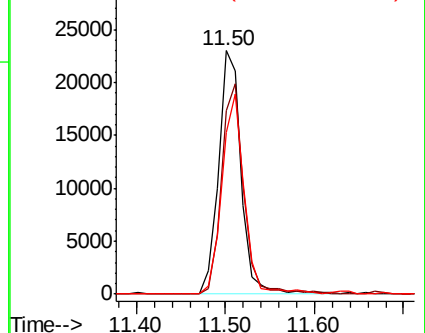
176 66.2 0.0 173.0

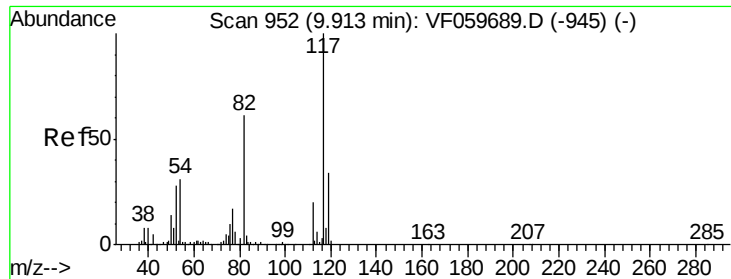


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





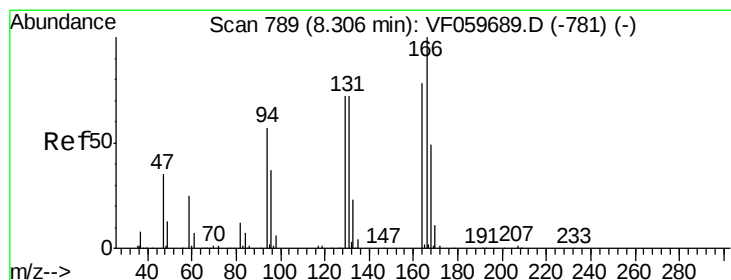
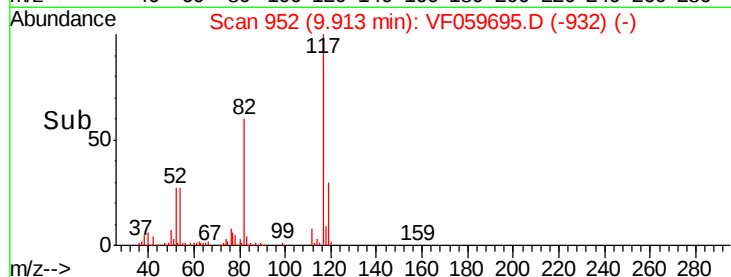
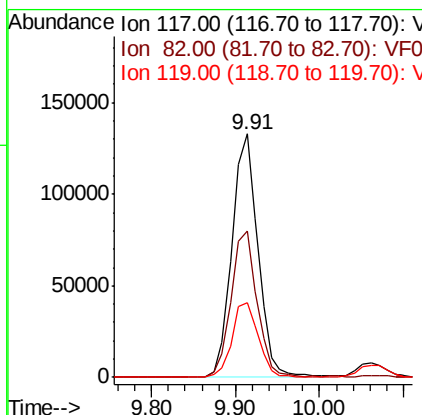
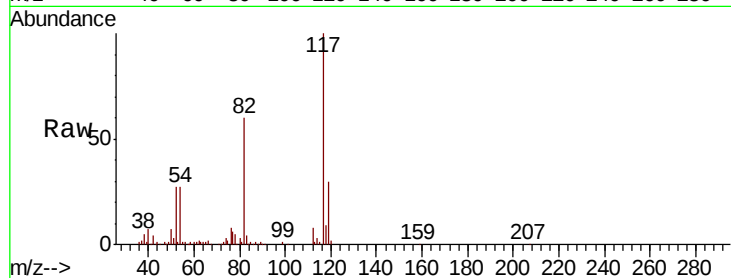
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	285852		
82	60.3	49.0	73.4	
119	30.5	27.3	40.9	

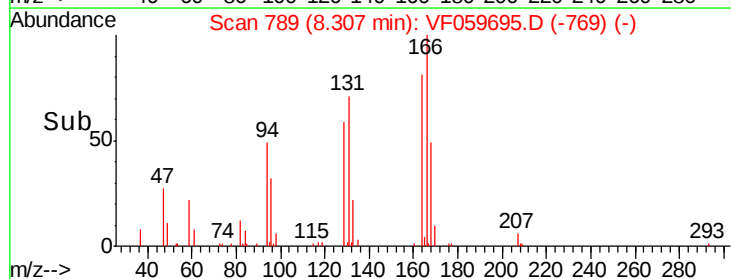
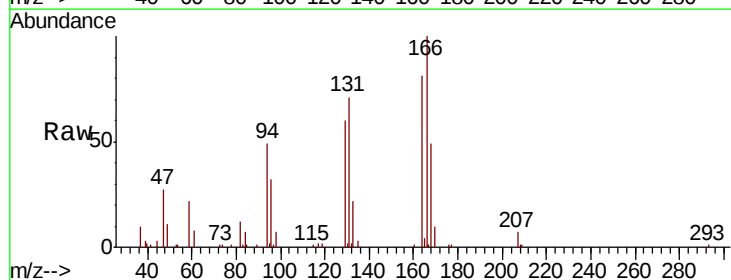
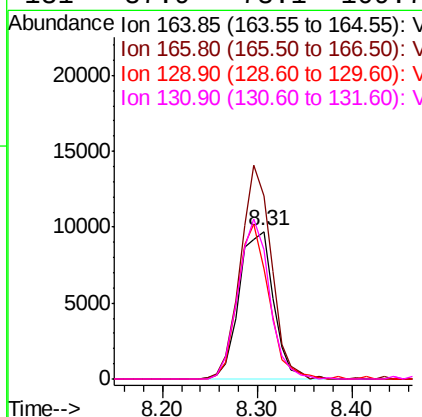
Manual Integrations
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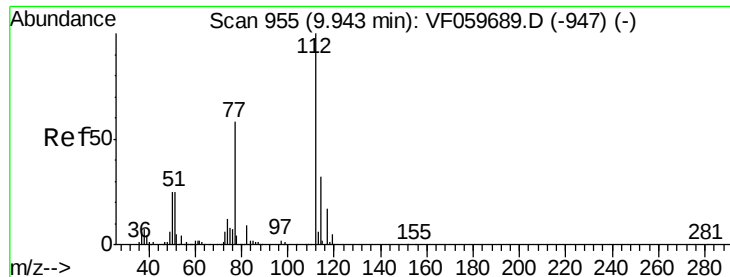
apatel
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#64
Tetrachloroethene
Concen: 10.83 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	24660		
166	123.6	102.1	153.1	
129	74.4	73.8	110.6	
131	87.9	73.1	109.7	





#65

Chlorobenzene

Concen: 11.22 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 62311

Ion Ratio Lower Upper

112 100

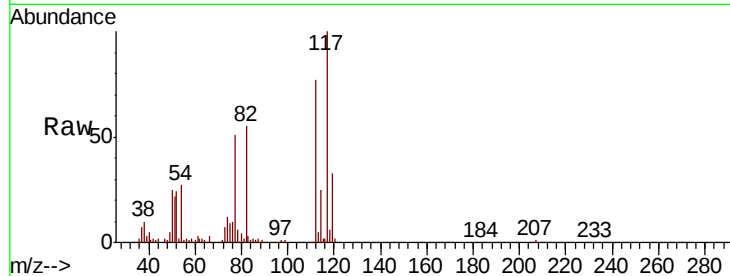
114 32.1 25.6 38.4

Manual Integrations

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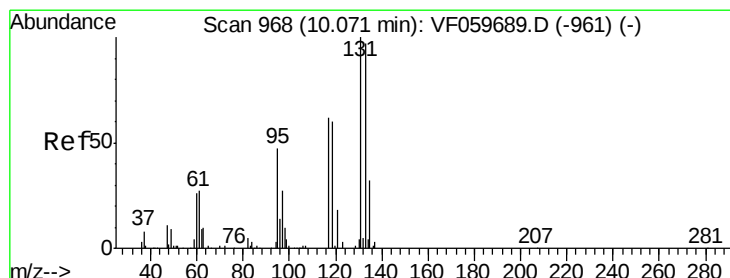
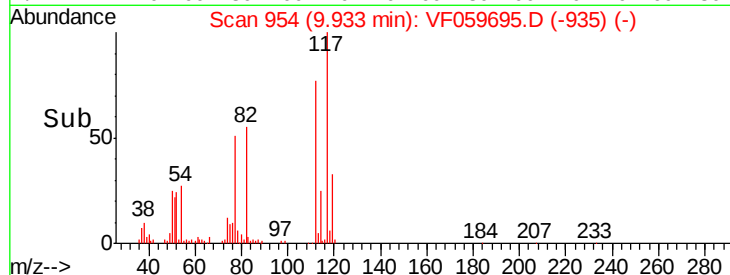
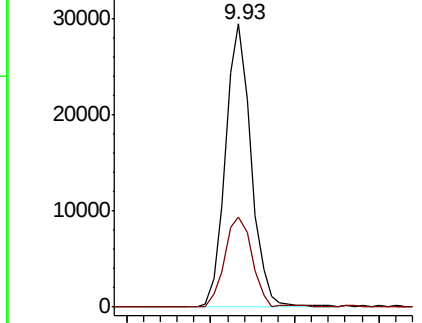
apatel

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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 10.92 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

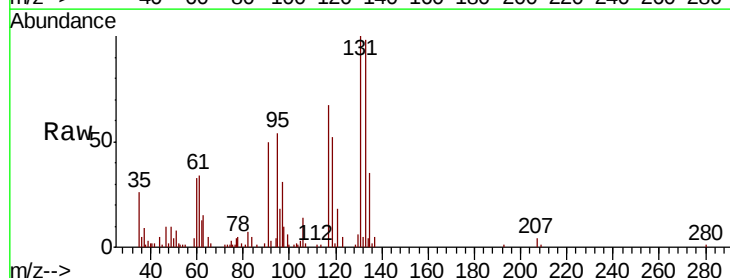
Tgt Ion:131 Resp: 27907

Ion Ratio Lower Upper

131 100

133 97.7 48.5 145.5

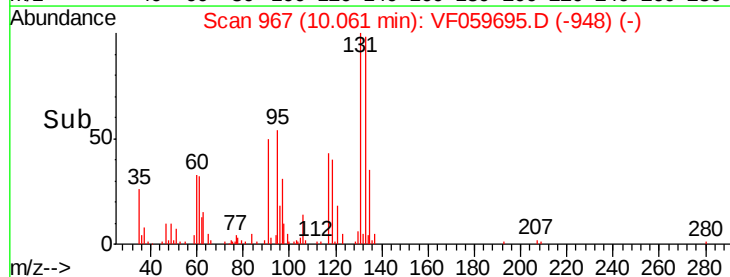
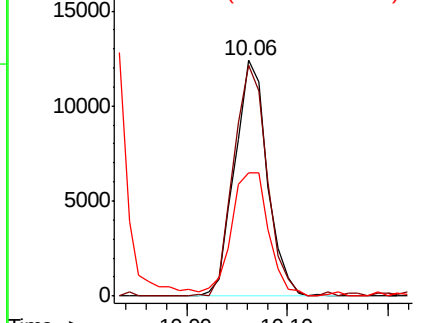
119 52.5 30.3 90.8

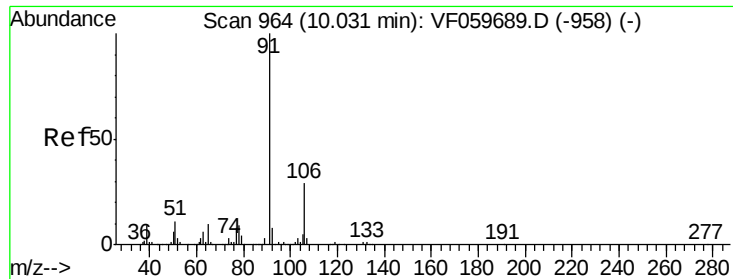


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





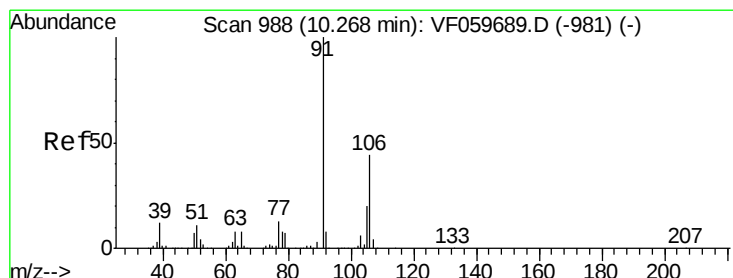
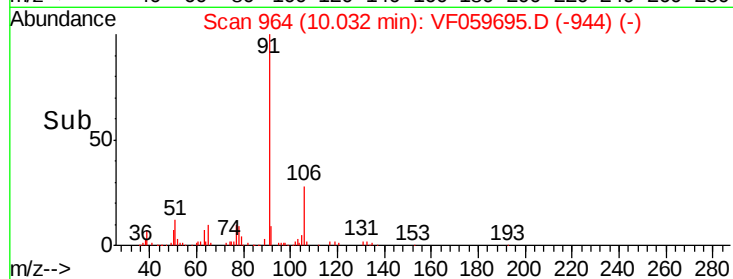
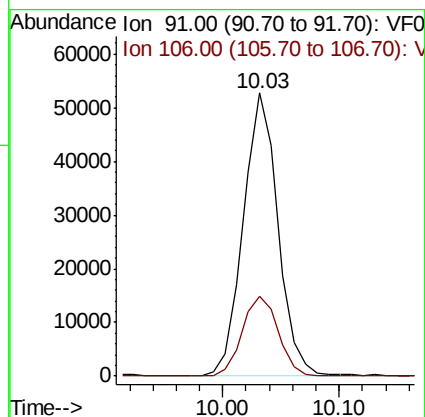
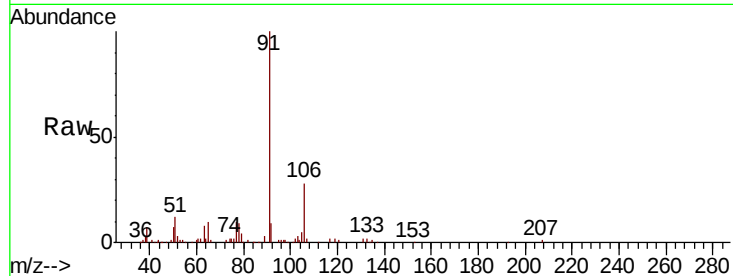
#67
Ethyl Benzene
Concen: 10.81 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 108828
Ion Ratio Lower Upper
91 100
106 28.1 22.9 34.3

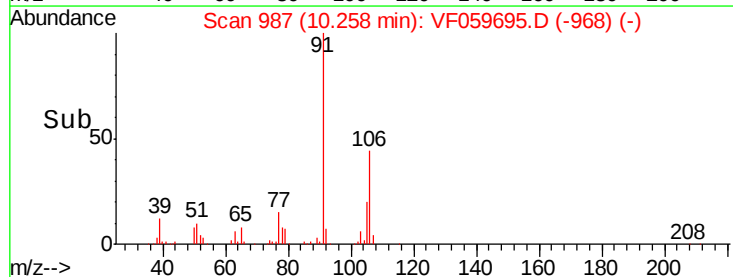
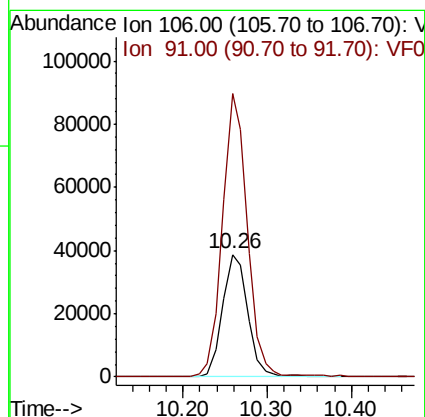
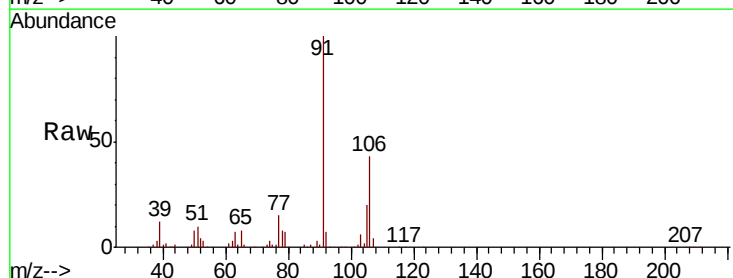
Manual Integrations
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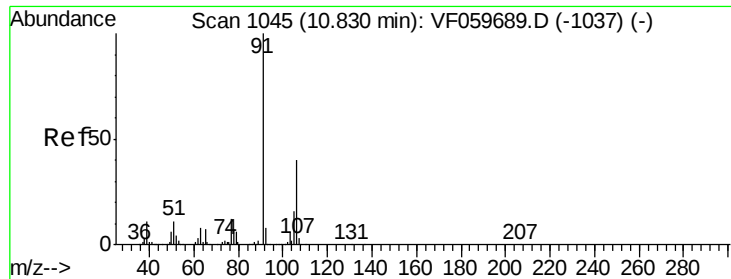
apatel
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#68
m/p-Xylenes
Concen: 23.24 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Tgt Ion: 106 Resp: 80991
Ion Ratio Lower Upper
106 100
91 230.8 181.7 272.5





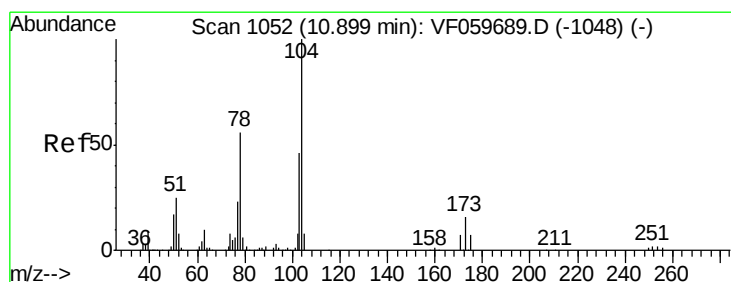
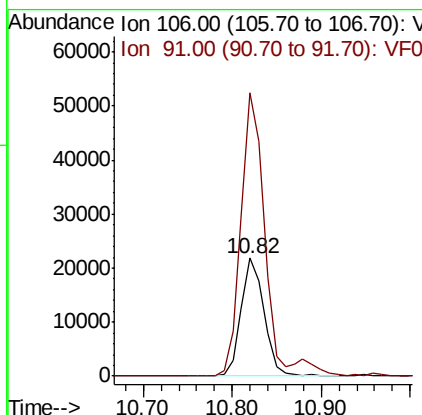
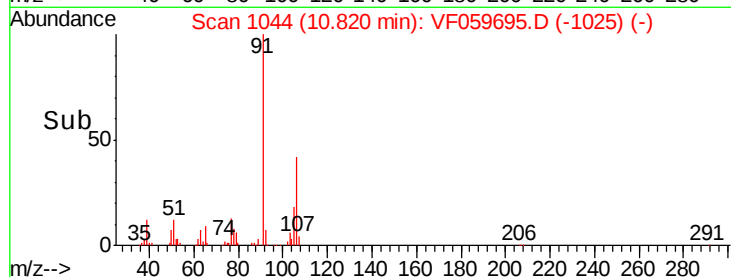
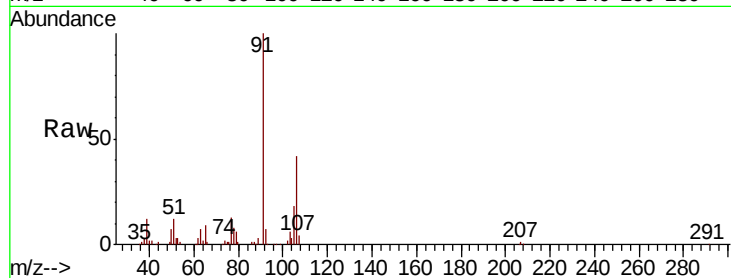
#69
o-Xylene
Concen: 10.45 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:106 Resp: 39346
Ion Ratio Lower Upper
106 100
91 240.3 124.6 373.7

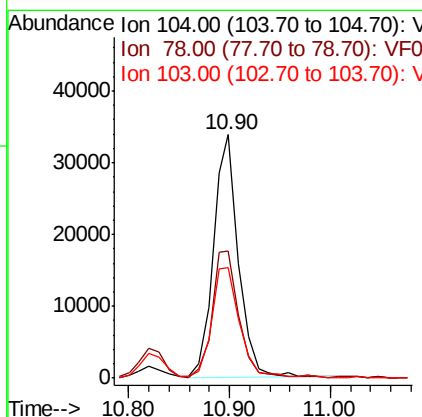
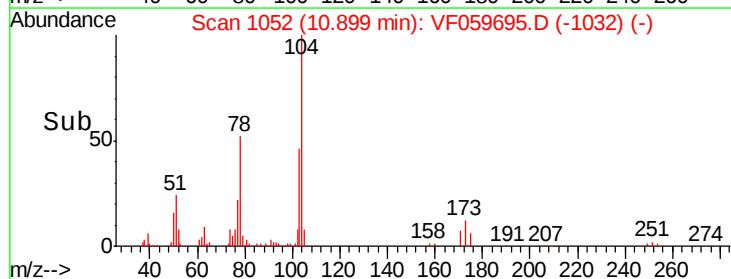
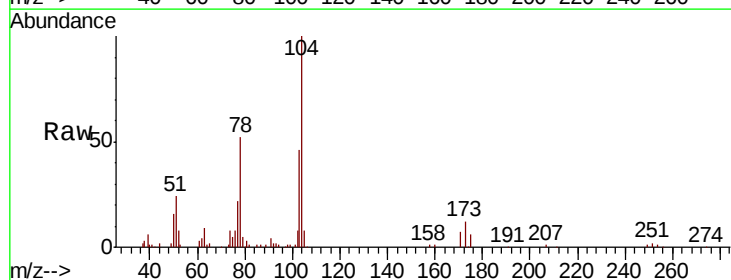
Manual Integrations
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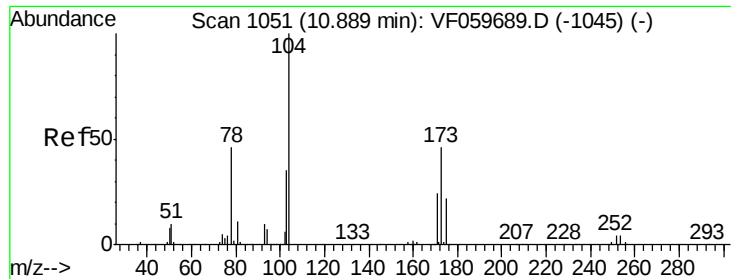
apatel
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#70
Styrene
Concen: 10.73 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Tgt Ion:104 Resp: 58735
Ion Ratio Lower Upper
104 100
78 52.4 45.3 67.9
103 45.6 36.6 54.8





#71

Bromoform

Concen: 11.65 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

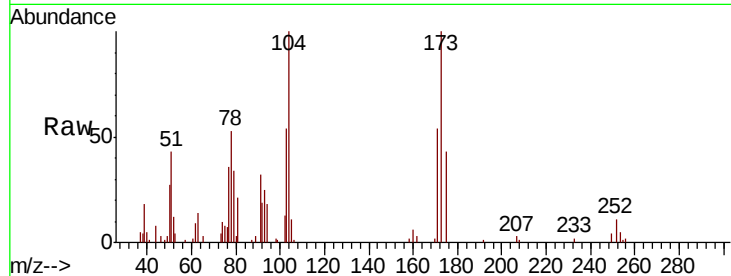
ClientSampled :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	42.8	23.4	70.0
254	1.0	0.0	0.0

Manual Integrations
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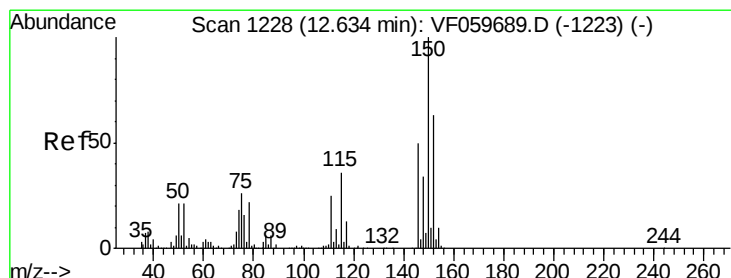
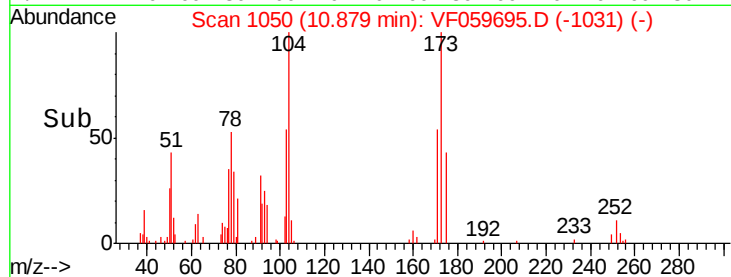
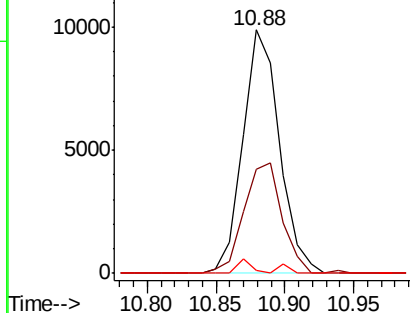


Abundance

Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

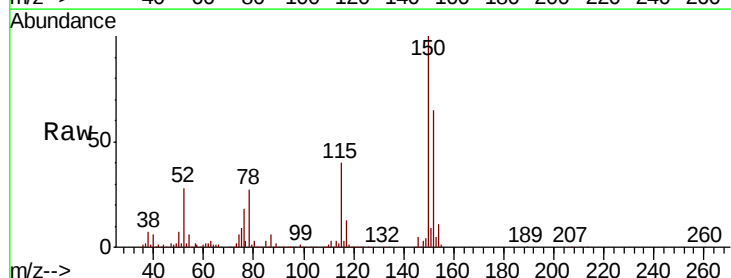
RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	28.2	84.6
150	154.9	0.0	316.2

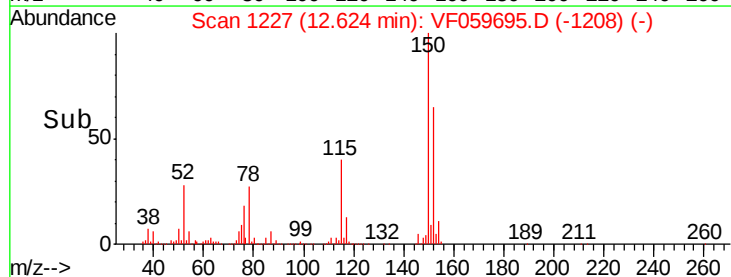
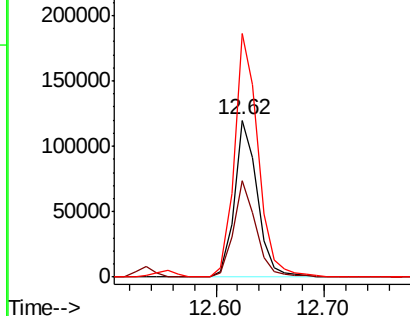


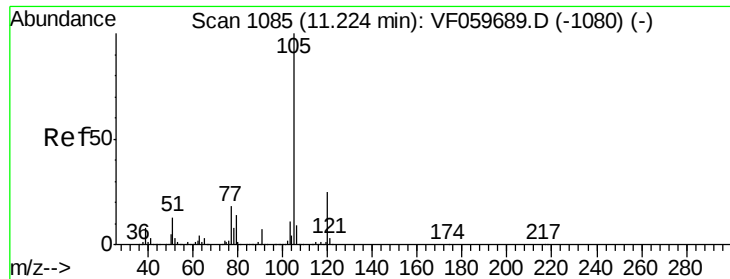
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 11.00 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 105 Resp: 132589

Ion Ratio Lower Upper

105 100

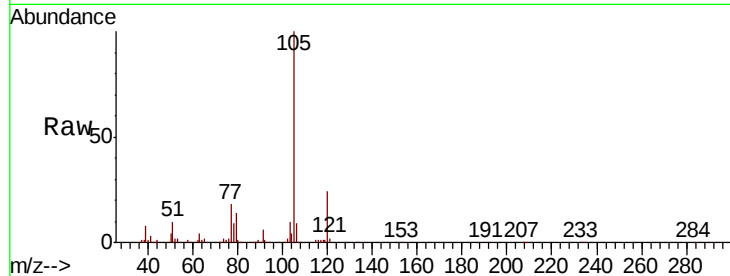
120 24.3 12.4 37.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

80000

60000

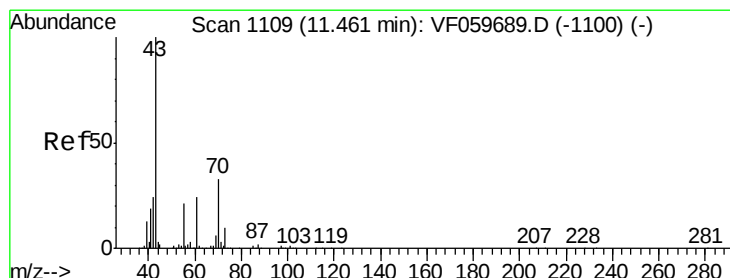
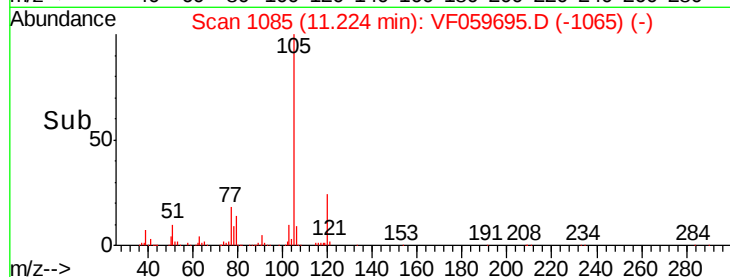
40000

20000

0

11.10 11.20 11.30

Time-->



#74

N-ethyl acetate

Concen: 12.96 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Tgt Ion: 43 Resp: 32032

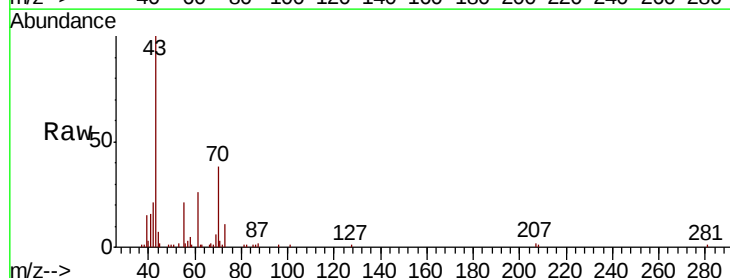
Ion Ratio Lower Upper

43 100

70 38.1 26.3 39.5

55 21.2 16.6 25.0

61 25.6 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

30000

25000

20000

15000

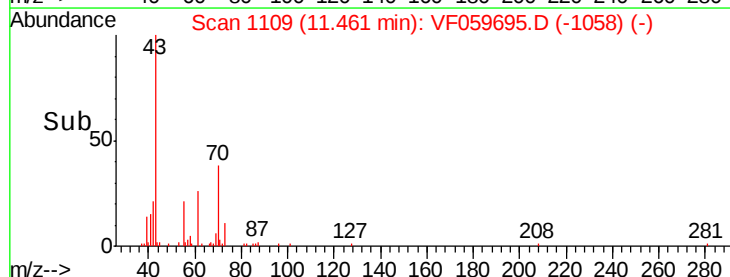
10000

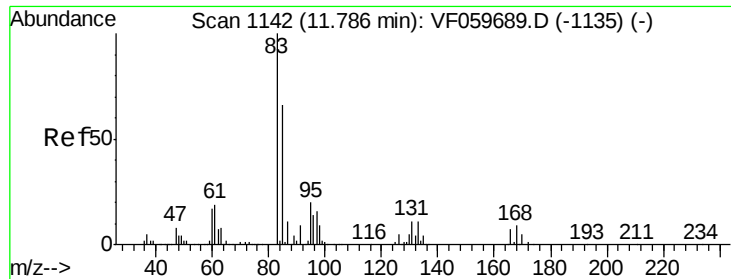
5000

0

11.40 11.50 11.60

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 11.75 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

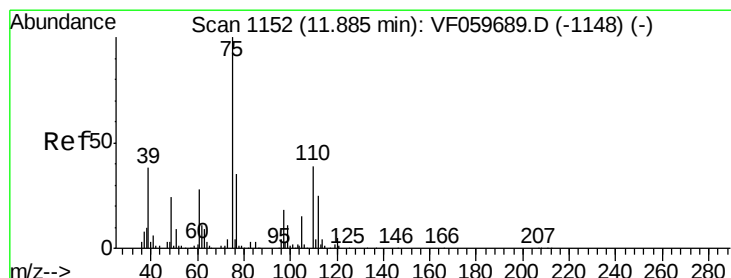
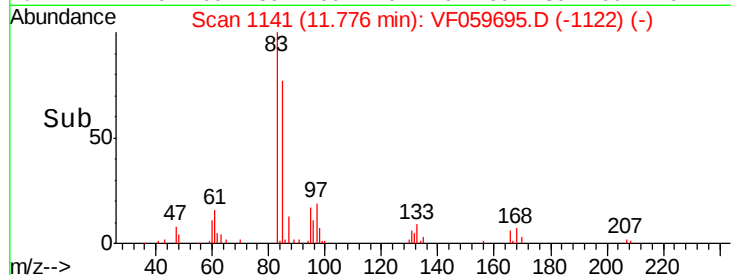
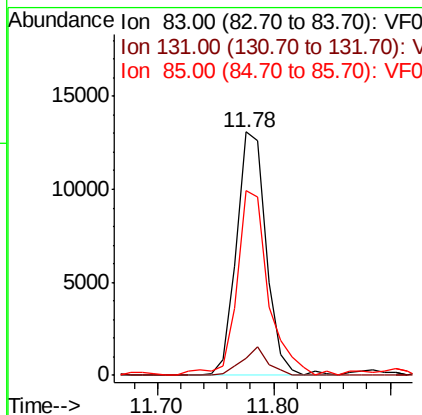
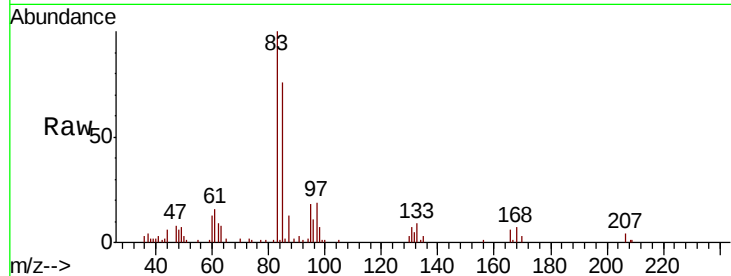
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	23260
Ion Ratio	Lower	Upper	
83	100		
131	7.1	5.8	17.3
85	77.6	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 12.42 ug/l

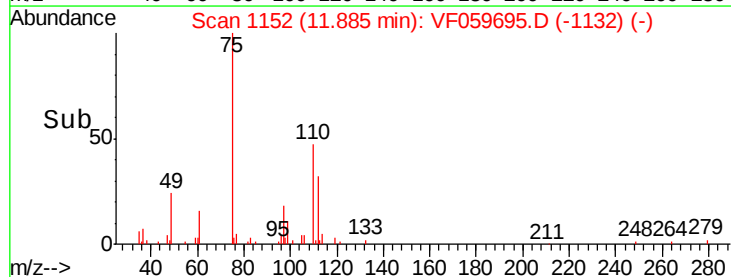
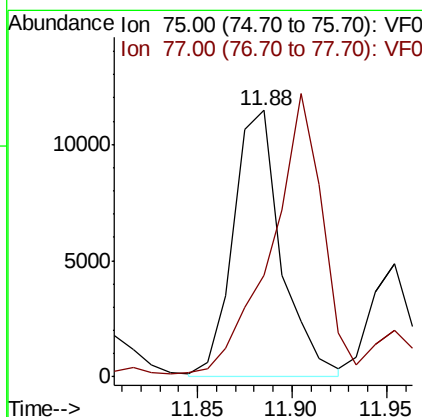
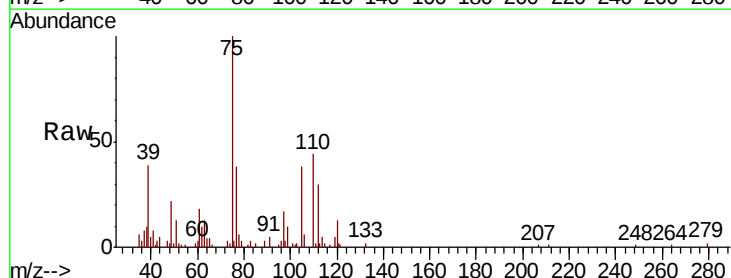
RT: 11.88 min Scan# 1152

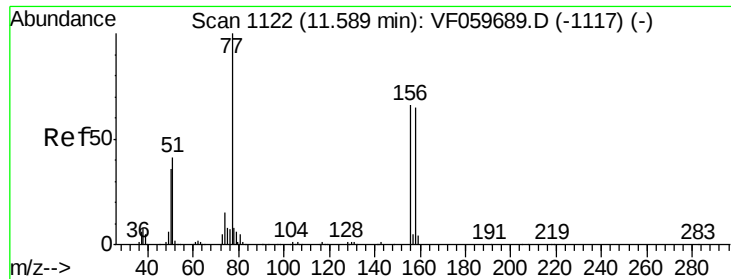
Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Tgt Ion:	75	Resp:	20188
Ion Ratio	Lower	Upper	
75	100		
77	38.4	18.0	54.0





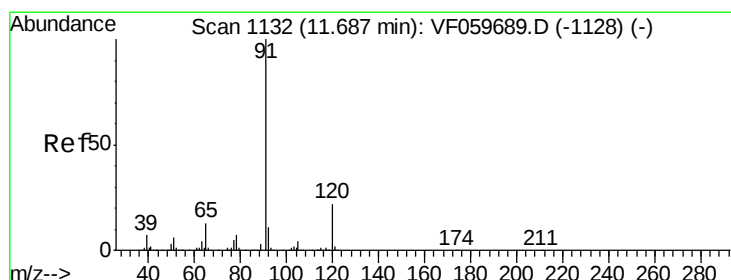
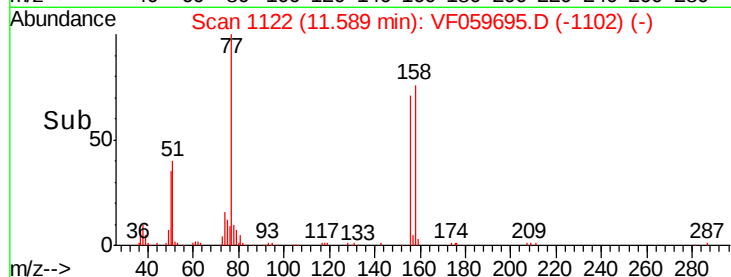
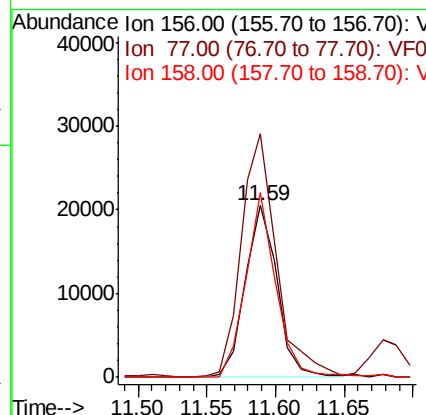
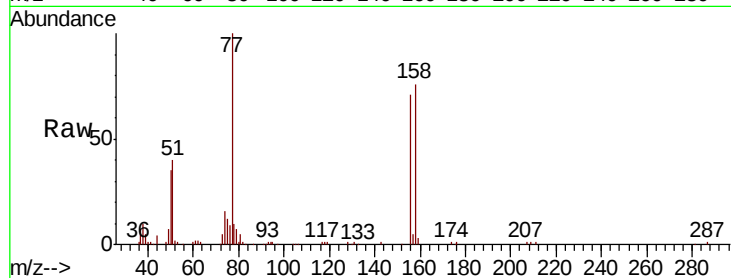
#77
Bromobenzene
Concen: 11.49 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.00 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
156	100		
77	141.7	75.2	225.6
158	107.7	49.1	147.3

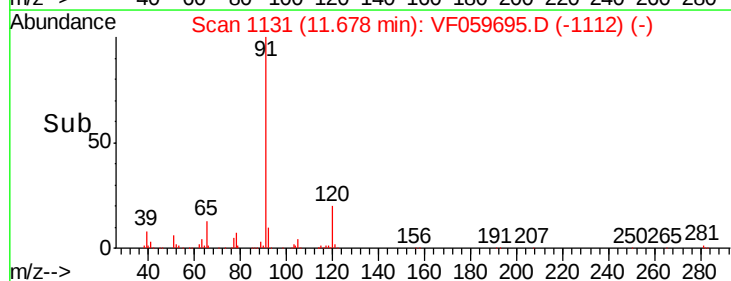
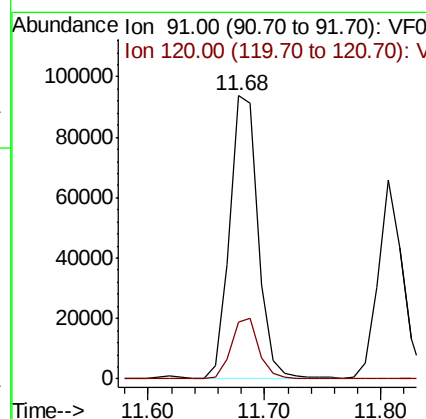
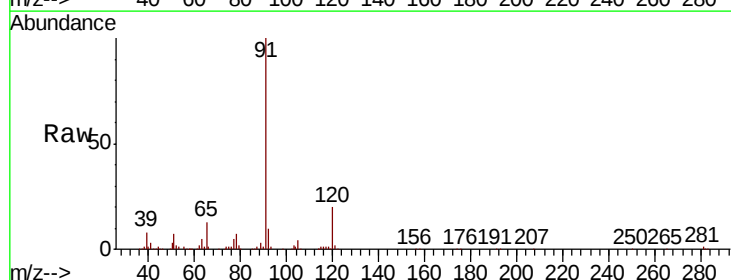
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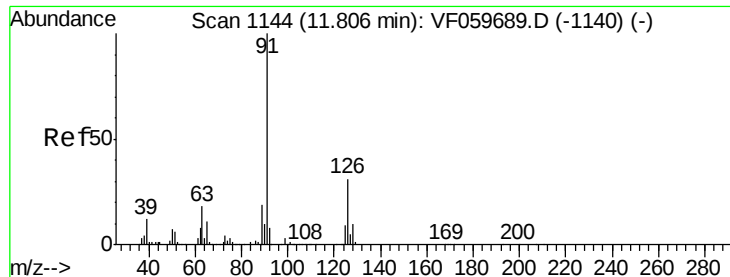
apatel
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#78
n-propylbenzene
Concen: 11.41 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. -0.01 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.9	11.0	33.0





#79

2-Chlorotoluene

Concen: 11.21 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 94736

Ion Ratio Lower Upper

91 100

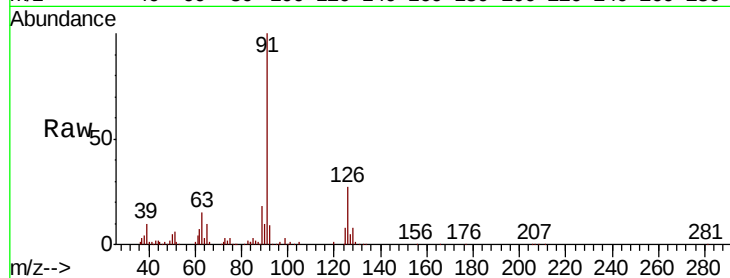
126 27.0 15.4 46.2

Manual Integrations

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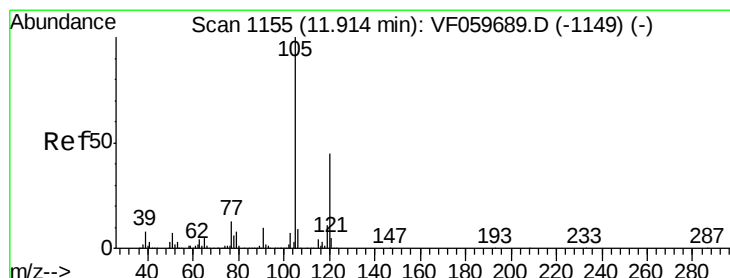
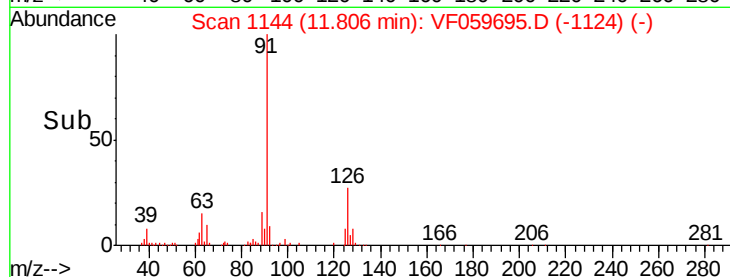
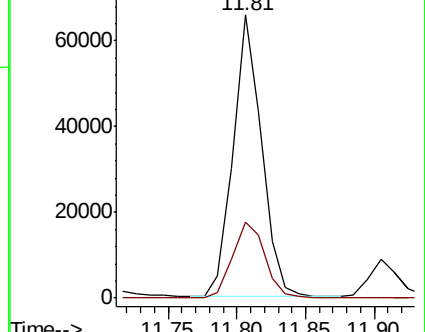
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF059689.D (-1140) (-)

Ion 126.00 (125.70 to 126.70): VF059689.D (-1140) (-)



#80

1,3,5-Trimethylbenzene

Concen: 11.29 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059695.D

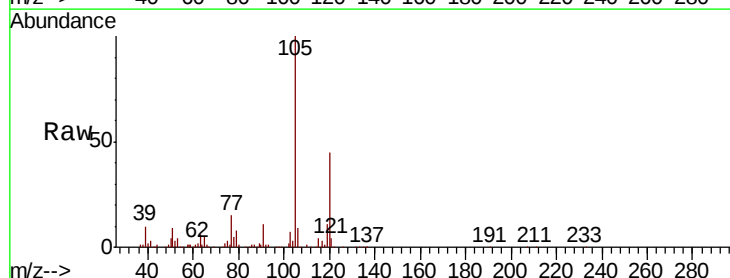
Acq: 30 Jul 2018 18:36

Tgt Ion: 105 Resp: 119436

Ion Ratio Lower Upper

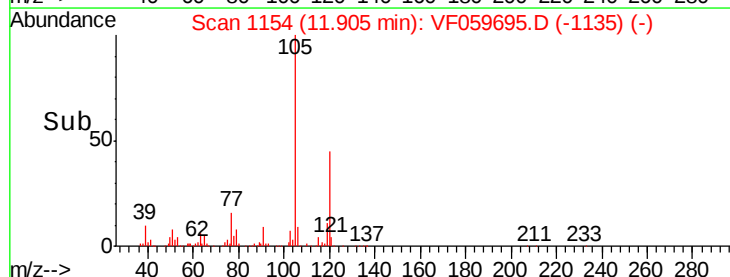
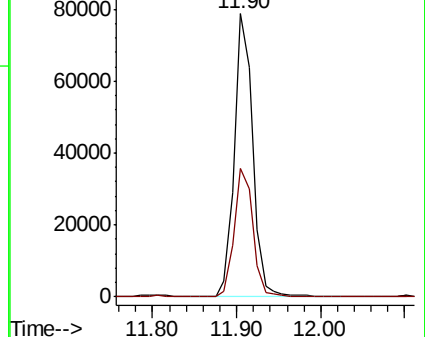
105 100

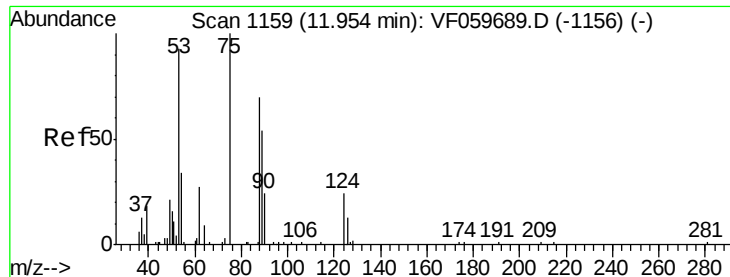
120 45.5 22.7 68.0



Abundance Ion 105.00 (104.70 to 105.70): VF059689.D (-1149) (-)

Ion 120.00 (119.70 to 120.70): VF059689.D (-1149) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 9.65 ug/l m

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

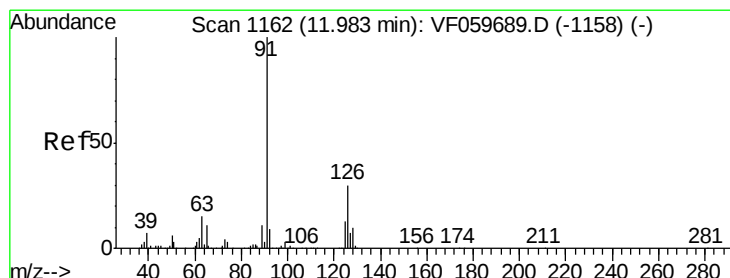
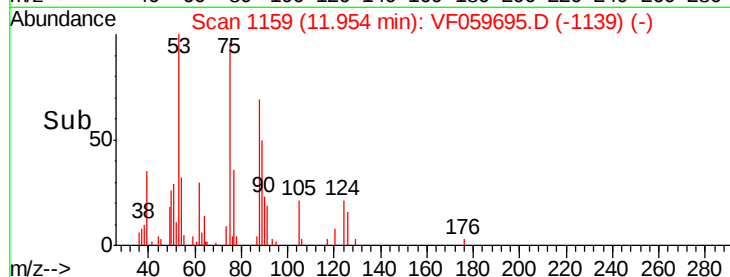
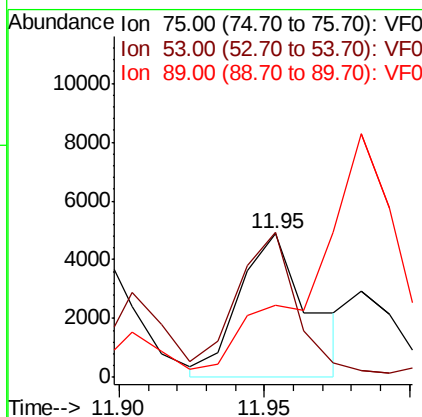
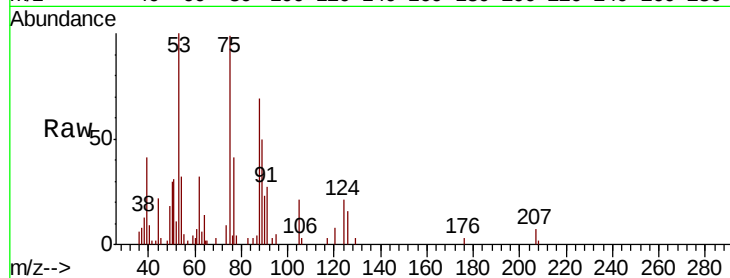
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	8143
Ion	Ratio	Lower	Upper
75	100		
53	100.9	78.3	117.5
89	50.1	45.4	68.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 11.62 ug/l

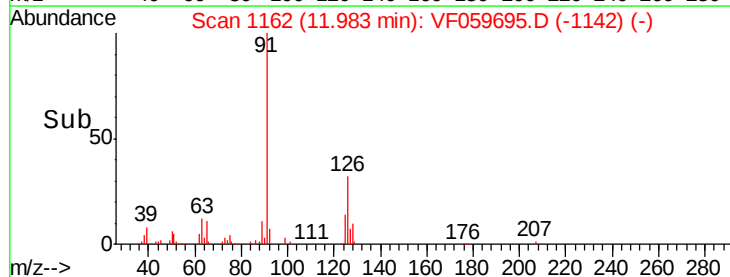
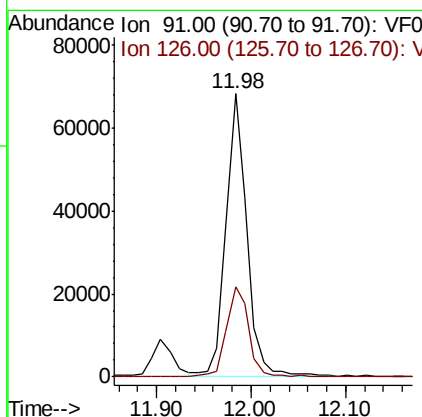
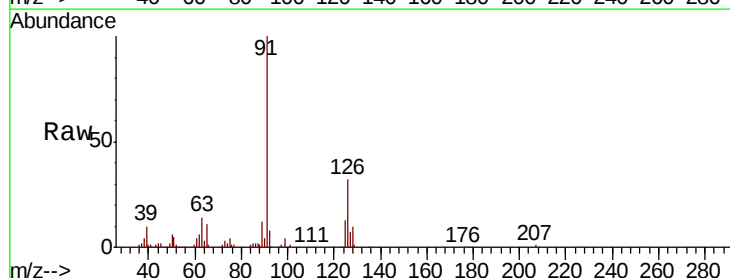
RT: 11.98 min Scan# 1162

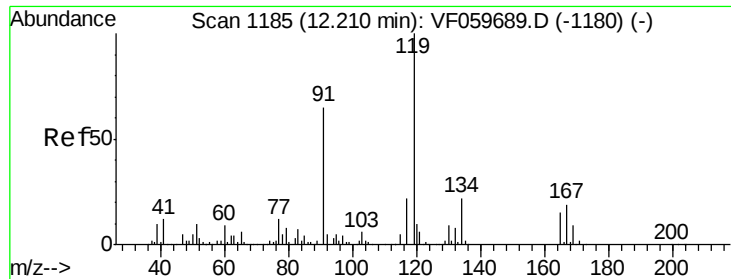
Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Tgt Ion:	91	Resp:	103462
Ion	Ratio	Lower	Upper
91	100		
126	31.7	15.2	45.6





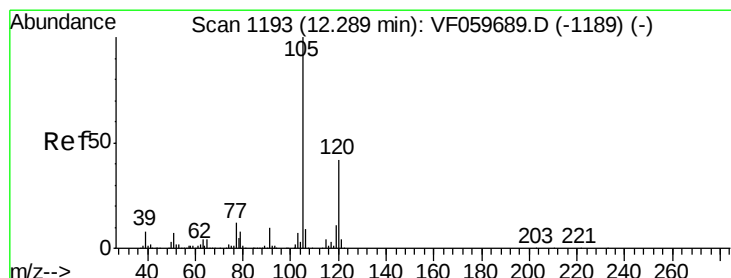
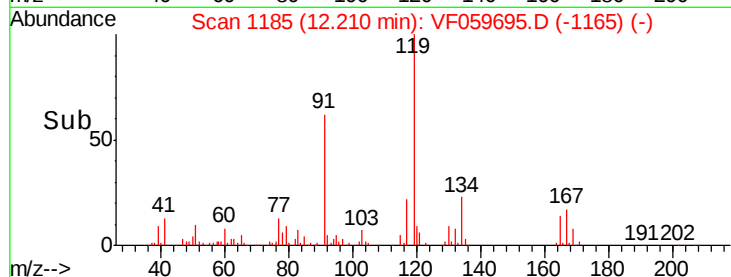
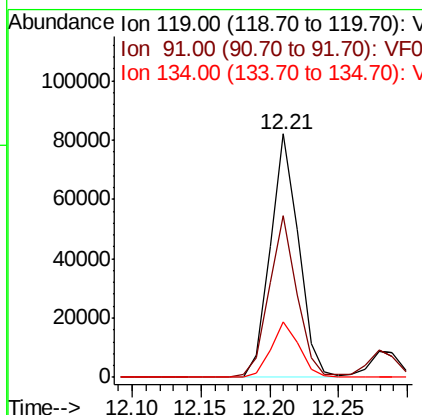
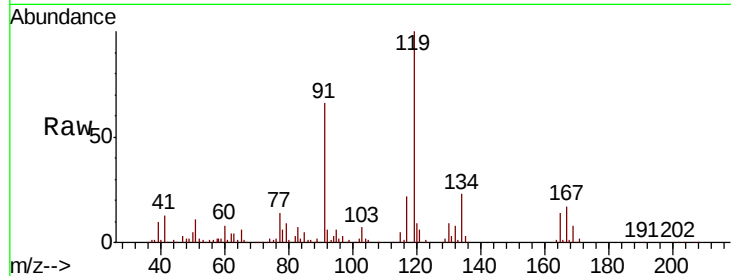
#83
 tert-Butylbenzene
 Concen: 10.93 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059695.D
 Acq: 30 Jul 2018 18:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.5	32.8	98.4
134	23.0	10.9	32.7

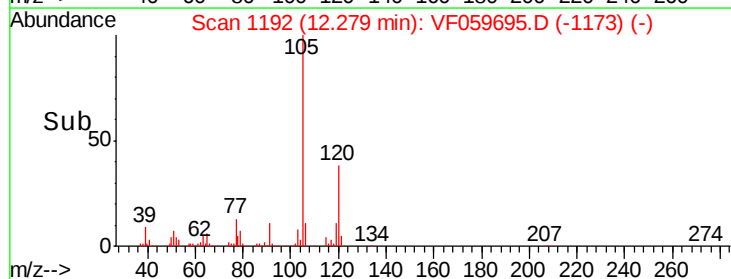
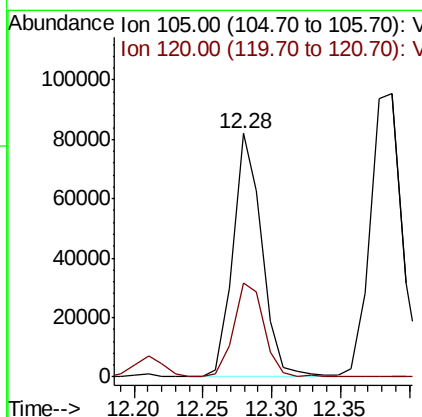
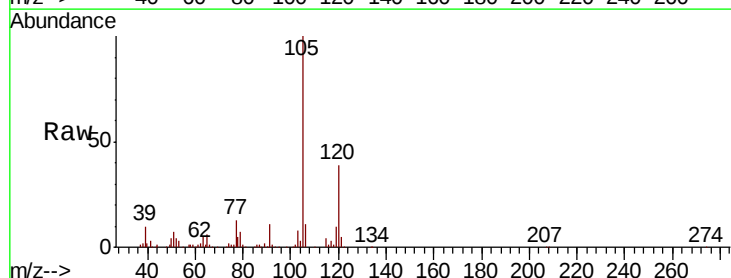
Manual Integrations
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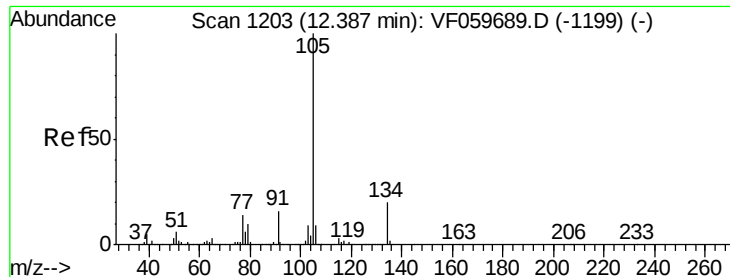
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 11.04 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059695.D
 Acq: 30 Jul 2018 18:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	38.6	21.1	63.3





#85

sec-Butylbenzene

Concen: 10.88 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

ClientSampleID :

VSTDIC010

Tot Ion:105 Resp: 153033

Ion Ratio Lower Upper

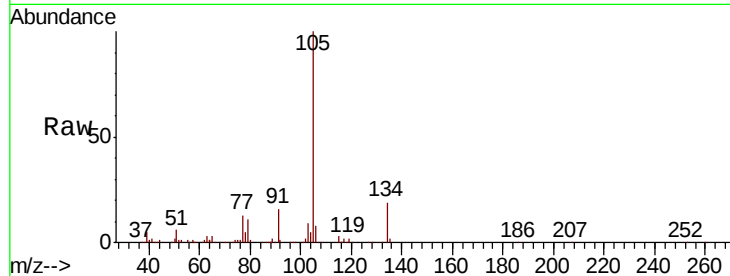
105 100

134 18.6 9.8 29.3

Manual Integrations
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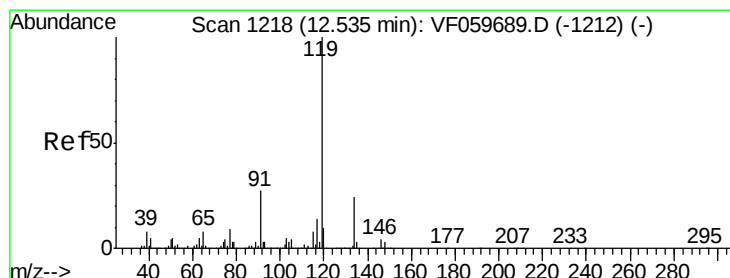
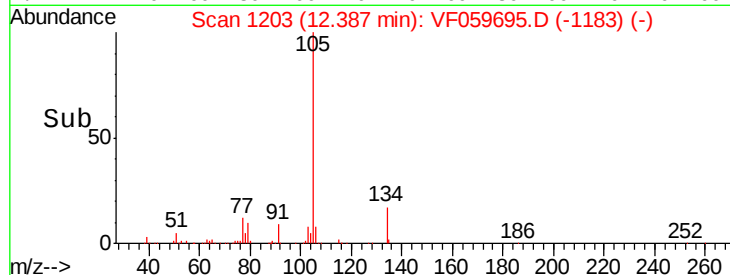
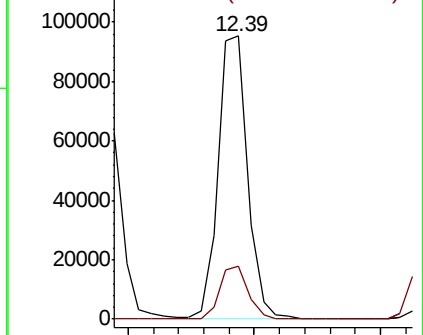
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 11.52 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

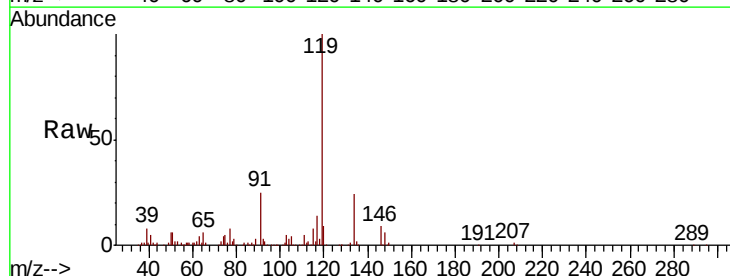
Tgt Ion:119 Resp: 139370

Ion Ratio Lower Upper

119 100

134 24.3 12.2 36.6

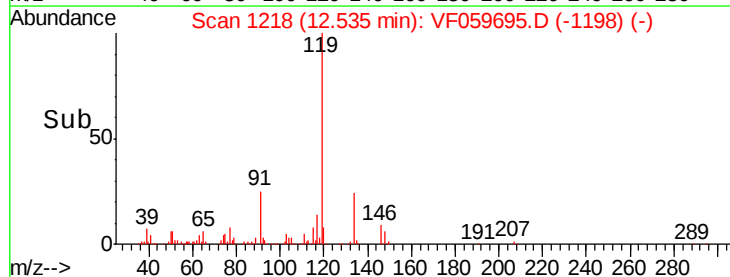
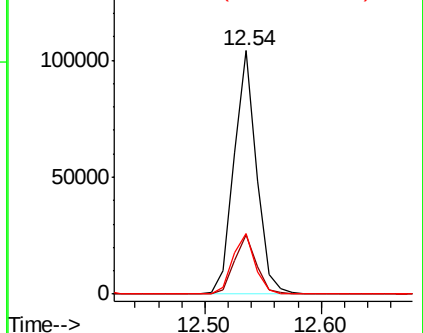
91 25.0 13.4 40.2

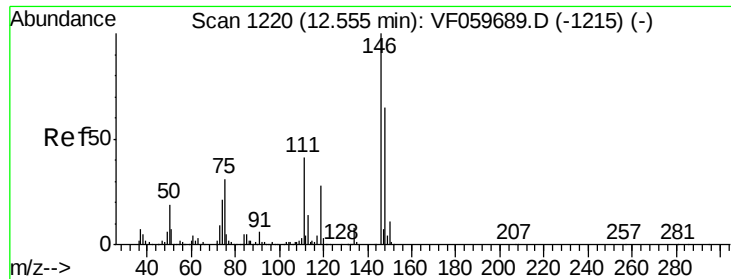


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





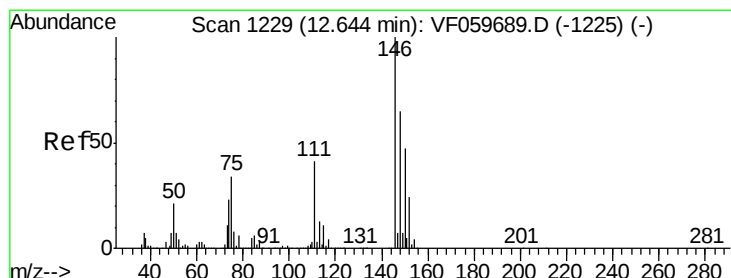
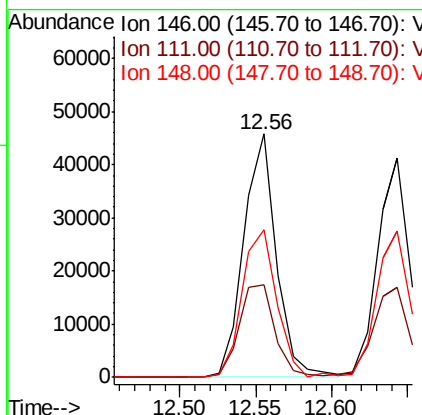
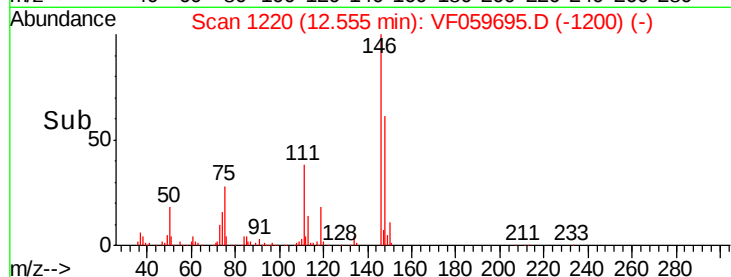
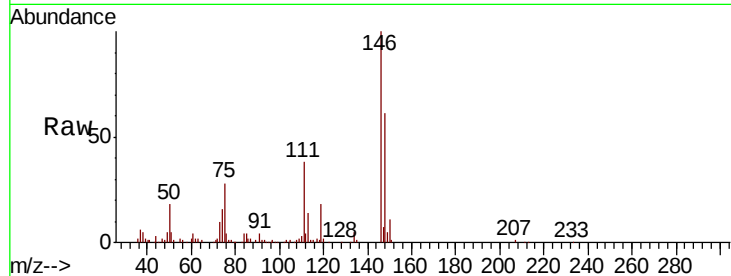
#87
 1,3-Dichlorobenzene
 Concen: 12.11 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059695.D
 Acq: 30 Jul 2018 18:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	20.7	62.1
148	60.7	32.3	96.8

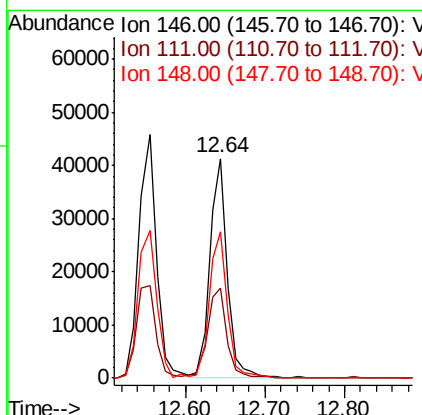
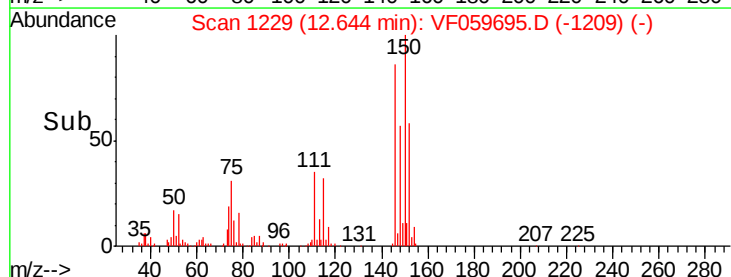
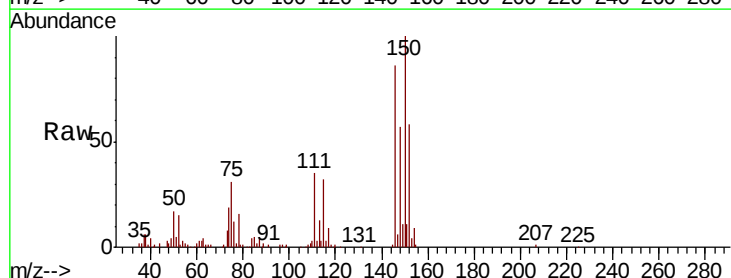
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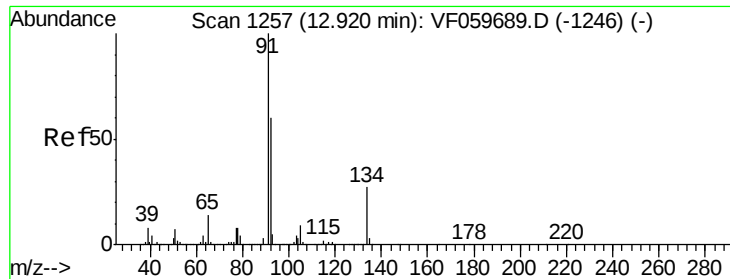
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#88
 1,4-Dichlorobenzene
 Concen: 11.76 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059695.D
 Acq: 30 Jul 2018 18:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.8	62.2
148	66.8	32.3	96.9





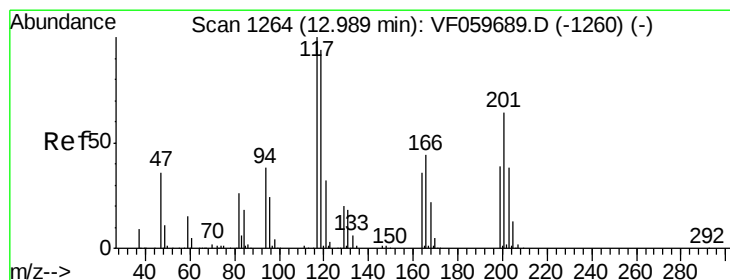
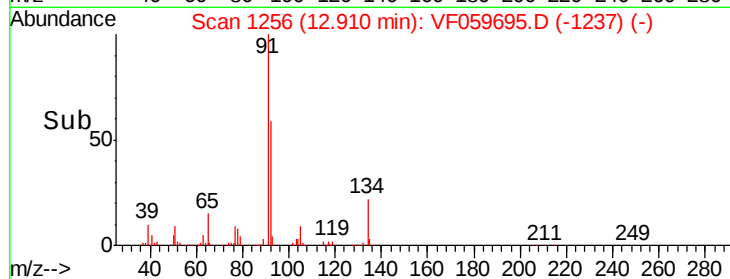
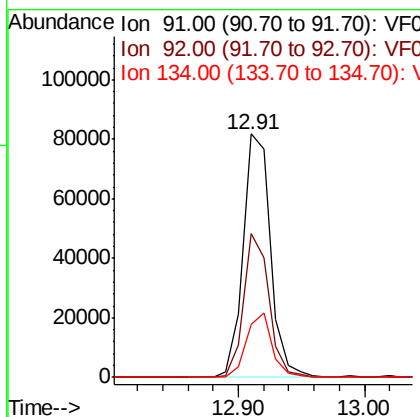
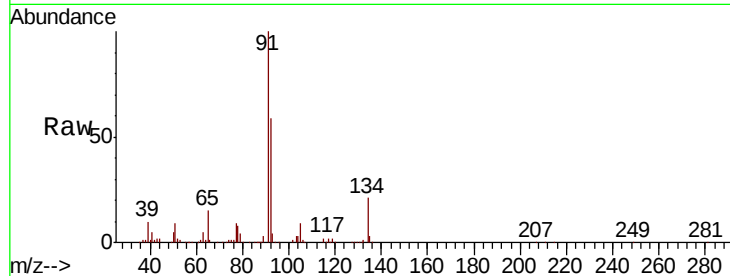
#89
n-Butylbenzene
Concen: 10.51 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	59.3	30.1	90.3
134	21.5	13.7	41.0

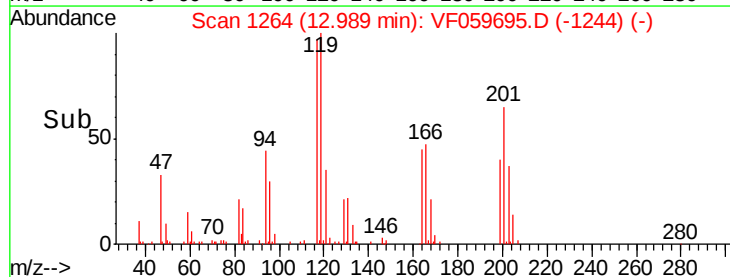
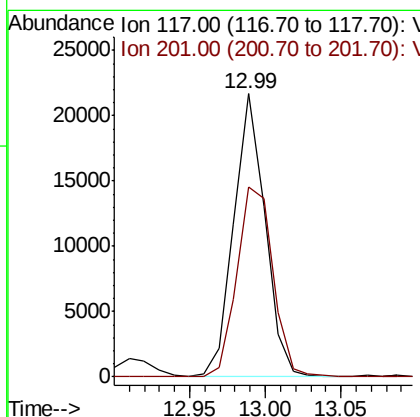
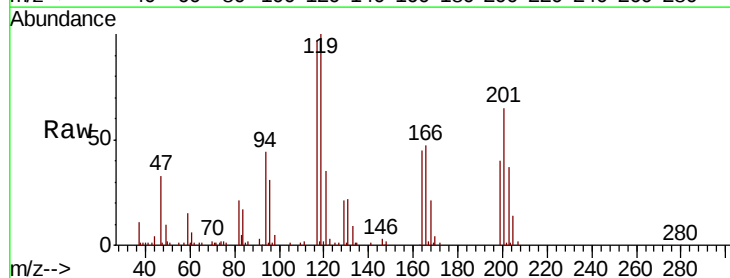
Manual Integrations
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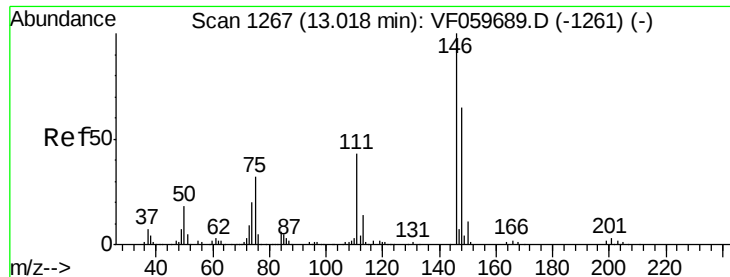
apatel
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#90
Hexachloroethane
Concen: 10.10 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	68.2	31.9	95.5





#91

1,2-Dichlorobenzene

Concen: 11.73 ug/l

RT: 13.02 min Scan# 1267

Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Instrument :

MSVOA_F

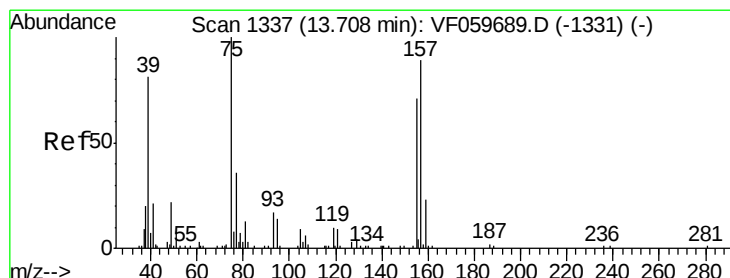
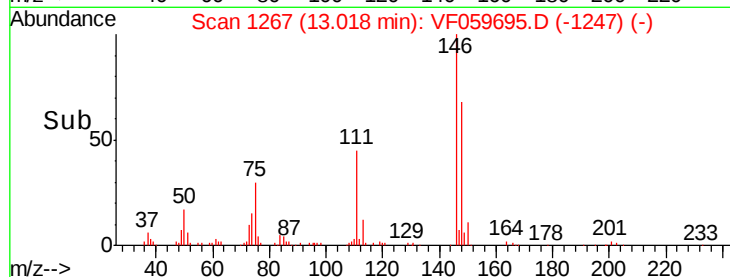
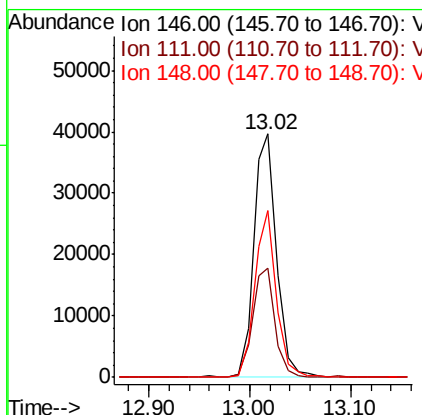
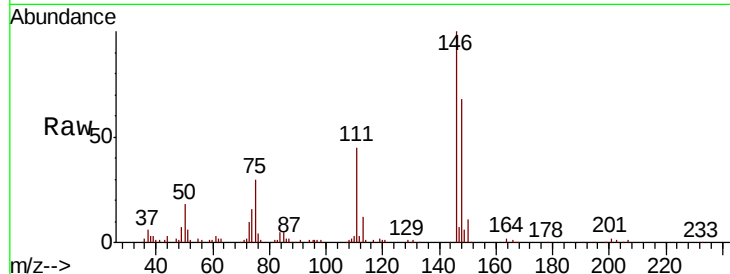
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	62217
Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.6	65.0
148	68.4	32.3	96.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 12.42 ug/l

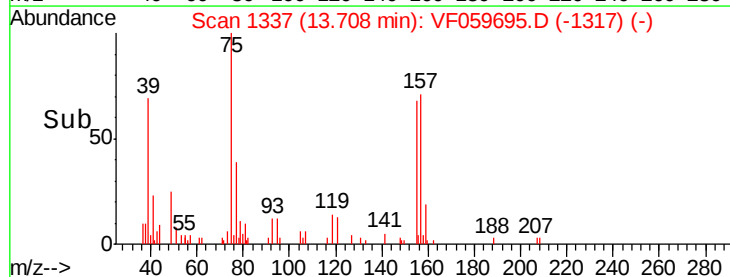
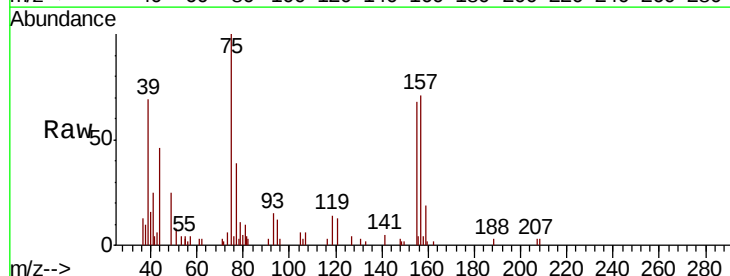
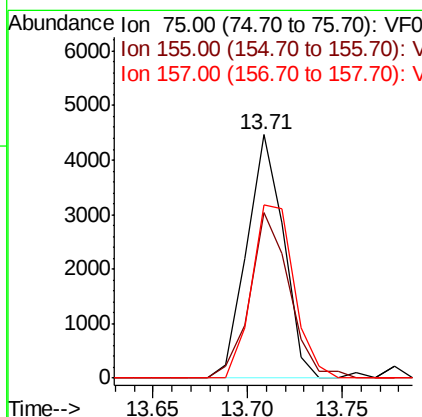
RT: 13.71 min Scan# 1337

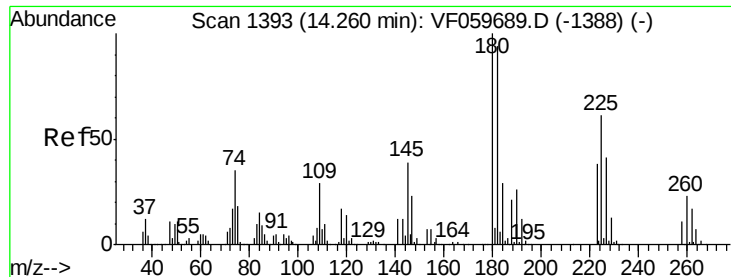
Delta R.T. 0.00 min

Lab File: VF059695.D

Acq: 30 Jul 2018 18:36

Tgt Ion:	75	Resp:	5981
Ion	Ratio	Lower	Upper
75	100		
155	67.9	35.4	106.2
157	75.4	44.4	133.2





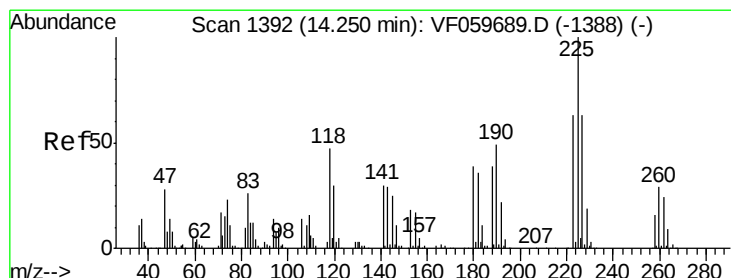
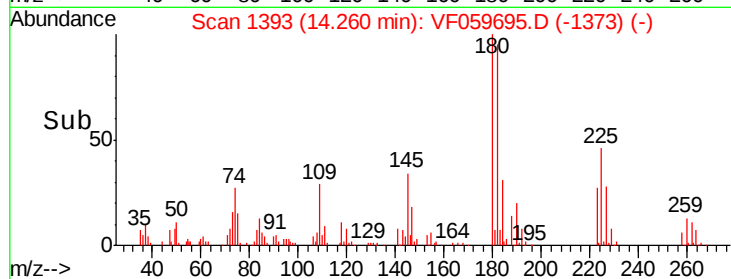
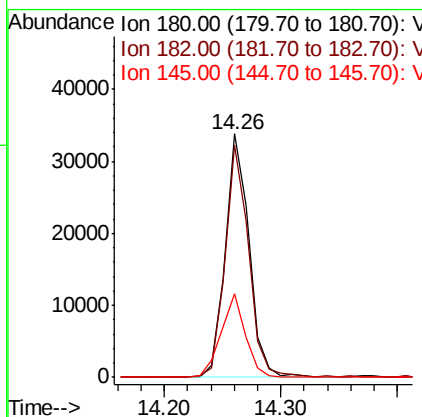
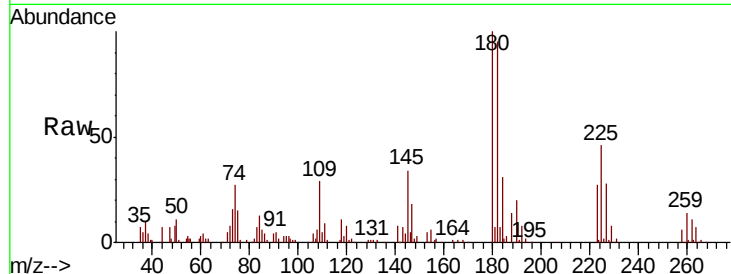
#93
 1,2,4-Trichlorobenzene
 Concen: 11.26 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059695.D
 Acq: 30 Jul 2018 18:36

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.2	141.6
145	34.3	19.3	57.9

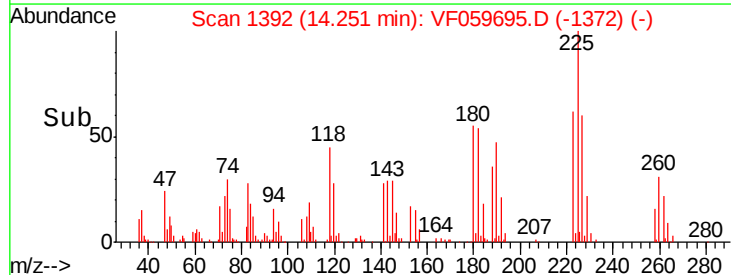
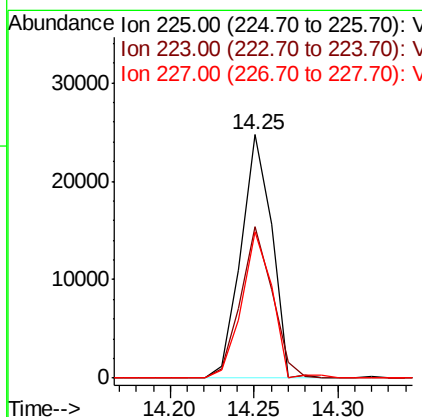
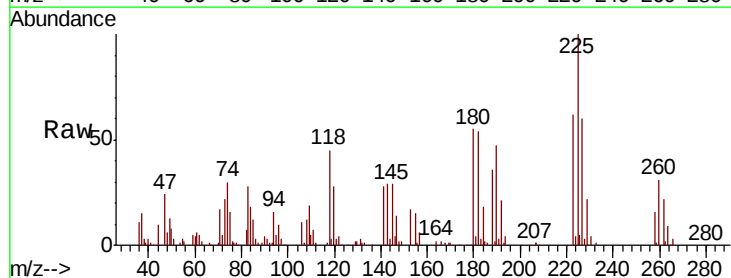
Manual Integrations
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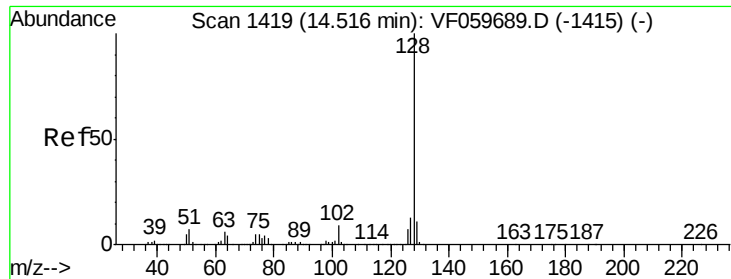
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#94
 Hexachlorobutadiene
 Concen: 10.01 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059695.D
 Acq: 30 Jul 2018 18:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	31.4	94.2
227	60.0	31.5	94.5





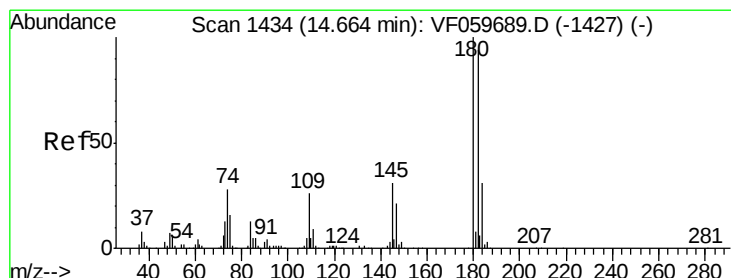
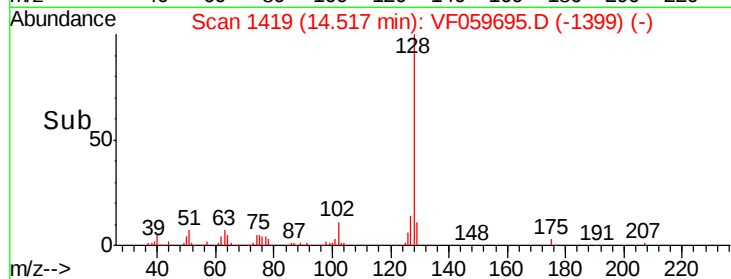
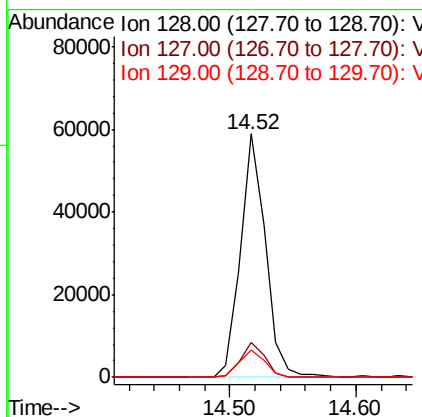
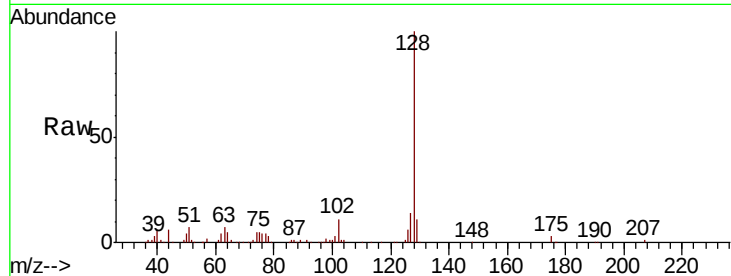
#95
Naphthalene
Concen: 11.94 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.0	15.0
129	11.3	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 11.59 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059695.D
Acq: 30 Jul 2018 18:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	111.8	47.2	141.6
145	32.7	15.6	46.7

