

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073018\
 Data File : VF059691.D
 Acq On : 30 Jul 2018 16:25
 Operator : VA/AP
 Sample : VSTDICC100
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 86 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDICC100

Manual Integrations
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 7/31/2018 12:12:43 PM

Quant Time: Jul 31 04:13:17 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	5.04	168	200253	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	277972	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	283847	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	176744	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.01	65	356498	113.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	226.68%	
35) Dibromofluoromethane	4.29	113	273213	102.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.40%	
50) Toluene-d8	7.71	98	643936	100.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.22%	
62) 4-Bromofluorobenzene	11.50	95	339751	97.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	195.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	212611	102.82	ug/l	96
3) Chloromethane	1.08	50	112676	96.38	ug/l	93
4) Vinyl Chloride	1.15	62	123672	99.93	ug/l	97
5) Bromomethane	1.34	94	100017	92.85	ug/l	95
6) Chloroethane	1.42	64	75921	98.33	ug/l	90
7) Trichlorofluoromethane	1.53	101	332368m	89.31	ug/l	
8) Diethyl Ether	1.70	74	57052	108.22	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.89	101	177181	89.56	ug/l	93
10) Methyl Iodide	1.96	142	278616m	96.22	ug/l	
11) Tert butyl alcohol	2.68	59	71698	531.00	ug/l	97
12) 1,1-Dichloroethene	1.85	96	145805	99.61	ug/l	94
13) Acrolein	2.08	56	41265	690.51	ug/l	93
14) Allyl chloride	2.18	41	230364	96.21	ug/l	90
15) Acrylonitrile	3.07	53	111487	541.68	ug/l	94
16) Acetone	2.34	43	307909	537.28	ug/l	100
17) Carbon Disulfide	1.88	76	308606m	86.73	ug/l	
18) Methyl Acetate	2.45	43	99065	103.27	ug/l	99
19) Methyl tert-butyl Ether	2.53	73	432452	105.72	ug/l	99
20) Methylene Chloride	2.28	84	137377m	65.09	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	131001	87.26	ug/l	95
22) Diisopropyl ether	2.92	45	485085	101.35	ug/l	94
23) Vinyl Acetate	3.33	43	1265899	533.54	ug/l	100
24) 1,1-Dichloroethane	3.00	63	328374	96.43	ug/l	98
25) 2-Butanone	4.51	43	310482	491.71	ug/l #	78
26) 2,2-Dichloropropane	3.76	77	234751	84.75	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	175996	99.94	ug/l	95
28) Bromochloromethane	3.87	49	125119	99.74	ug/l	94
29) Tetrahydrofuran	4.25	42	127178	501.81	ug/l	98
30) Chloroform	4.03	83	450099	93.57	ug/l	96
31) Cyclohexane	3.90	56	177596m	90.77	ug/l	
32) 1,1,1-Trichloroethane	4.27	97	349254	88.51	ug/l	98
36) 1,1-Dichloropropene	4.46	75	275431	91.35	ug/l	98
37) Ethyl Acetate	4.29	43	131364	99.88	ug/l #	82
38) Carbon Tetrachloride	4.16	117	393349m	88.92	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	211659	86.26	ug/l	98
40) Benzene	4.80	78	496770	92.76	ug/l	100
41) Methacrylonitrile	4.92	41	63202	97.59	ug/l	98
42) 1,2-Dichloroethane	5.11	62	351491	100.87	ug/l	97
43) Isopropyl Acetate	7.11	43	156889	115.21	ug/l #	94
44) Trichloroethene	5.67	130	181630	87.57	ug/l	88
45) 1,2-Dichloropropane	6.40	63	135710	95.36	ug/l	94
46) Dibromomethane	6.25	93	126508	102.37	ug/l	93
47) Bromodichloromethane	6.55	83	352225	97.28	ug/l	99
48) Methyl methacrylate	6.87	41	120478	112.72	ug/l	94
49) 1,4-Dioxane	6.86	88	18169	2130.16	ug/l #	91
51) 4-Methyl-2-Pentanone	8.40	43	576918	526.43	ug/l	100
52) Toluene	7.78	92	351130	88.27	ug/l	96
53) t-1,3-Dichloropropene	8.42	75	289984	100.13	ug/l	94
54) cis-1,3-Dichloropropene	7.45	75	292905	97.47	ug/l	99
55) 1,1,2-Trichloroethane	8.64	97	137705	104.23	ug/l	94
56) Ethyl methacrylate	8.75	69	161356	115.21	ug/l	95
57) 1,3-Dichloropropane	9.00	76	237624	104.01	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.78	63	79561	470.48	ug/l	100
59) 2-Hexanone	9.62	43	454232	558.77	ug/l	94
60) Dibromochloromethane	8.86	129	249683	104.76	ug/l	98
61) 1,2-Dibromoethane	9.13	107	169579	106.14	ug/l	98
64) Tetrachloroethene	8.30	164	183193	81.00	ug/l	96
65) Chlorobenzene	9.94	112	486884	88.28	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	230981	91.00	ug/l	99
67) Ethyl Benzene	10.04	91	847941	84.79	ug/l	100
68) m/p-Xylenes	10.26	106	588290	169.98	ug/l	98
69) o-Xylene	10.82	106	327873	87.72	ug/l	96
70) Styrene	10.90	104	476992	87.75	ug/l	99
71) Bromoform	10.88	173	159659	102.01	ug/l	93
73) Isopropylbenzene	11.23	105	1036930	85.95	ug/l	98
74) N-amyl acetate	11.46	43	276623	111.88	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.78	83	201123	101.52	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	164923	101.36	ug/l	93
77) Bromobenzene	11.59	156	270310	92.31	ug/l	89
78) n-propylbenzene	11.68	91	1156815	83.23	ug/l	100
79) 2-Chlorotoluene	11.81	91	735597	86.96	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	903065	85.28	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.96	75	75917m	89.86	ug/l	
82) 4-Chlorotoluene	11.99	91	773104	86.74	ug/l	98
83) tert-Butylbenzene	12.21	119	927111	86.64	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	908911	83.54	ug/l	97
85) sec-Butylbenzene	12.38	105	1164436	82.71	ug/l	97
86) p-Isopropyltoluene	12.54	119	1016627	83.97	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	477640	83.65	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	490543	90.17	ug/l	97
89) n-Butylbenzene	12.91	91	974306	83.22	ug/l	98
90) Hexachloroethane	12.99	117	268824	87.23	ug/l	92
91) 1,2-Dichlorobenzene	13.02	146	462462	87.11	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	52859	109.70	ug/l	84

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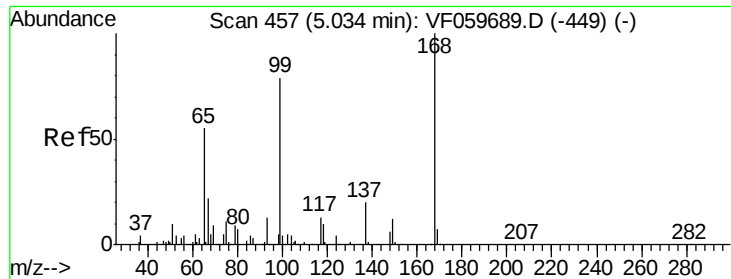
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	370579	87.10	ug/l	95
94) Hexachlorobutadiene	14.25	225	262137	83.75	ug/l	97
95) Naphthalene	14.52	128	732824	108.10	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	365761	94.58	ug/l	96

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



#1

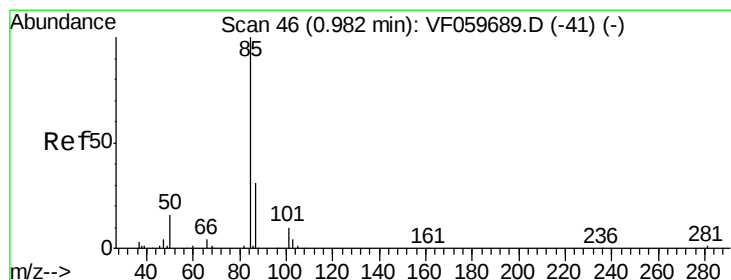
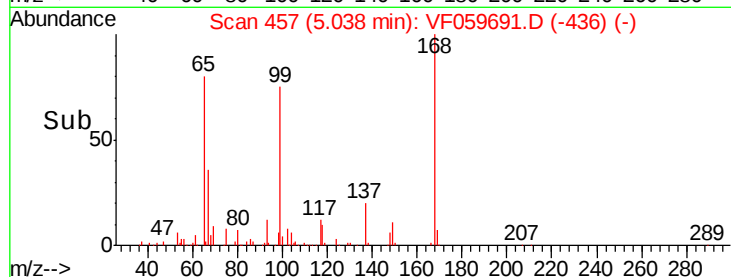
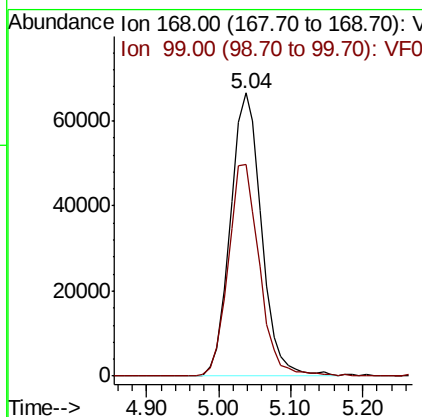
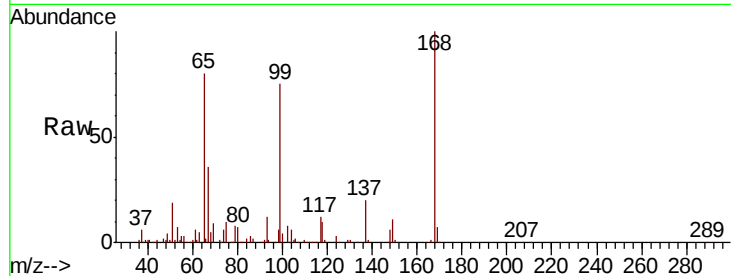
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
168	100		
99	74.7	63.3	94.9

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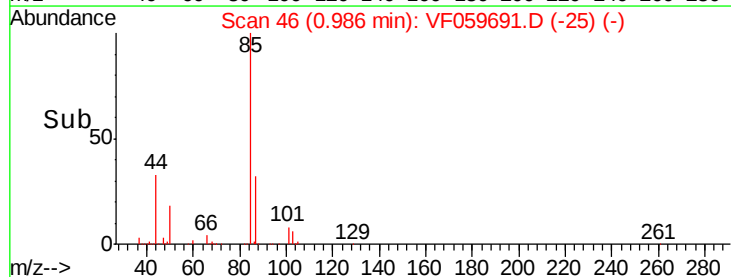
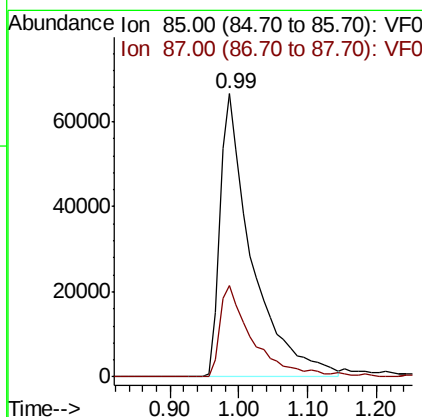
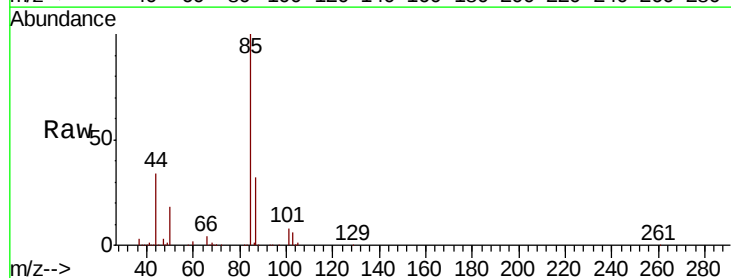
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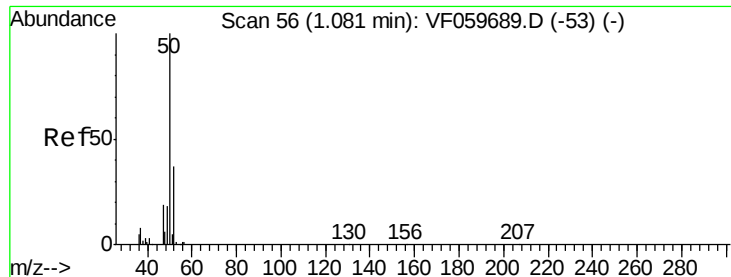


#2

Dichlorodifluoromethane
 Concen: 102.82 ug/l
 RT: 0.99 min Scan# 46
 Delta R.T. 0.00 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.5	15.3	45.8





#3

Chloromethane

Concen: 96.38 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 112676

Ion Ratio Lower Upper

50 100

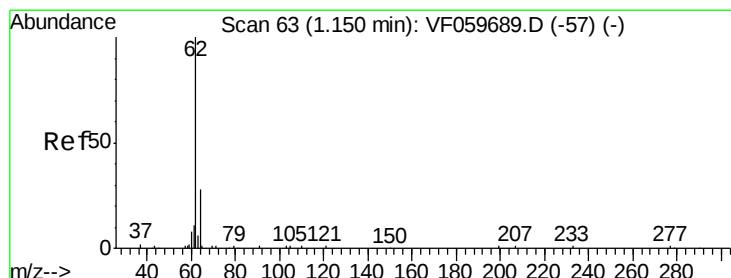
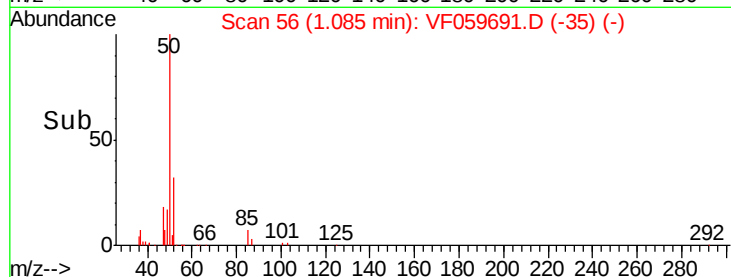
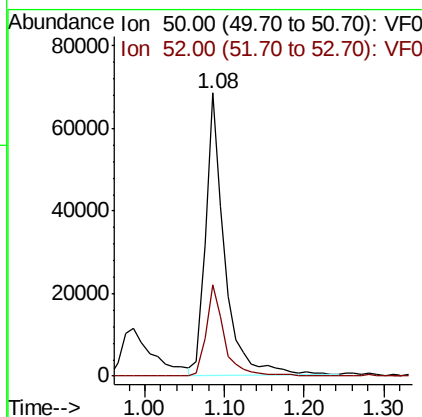
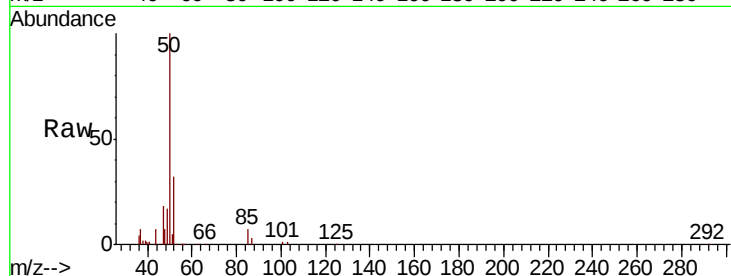
52 32.4 29.1 43.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 99.93 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059691.D

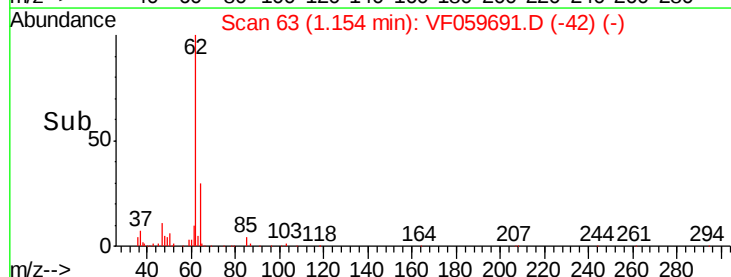
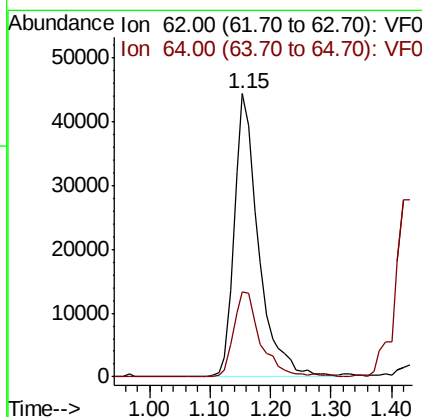
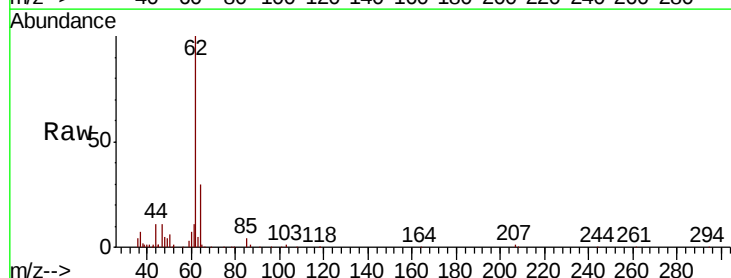
Acq: 30 Jul 2018 16:25

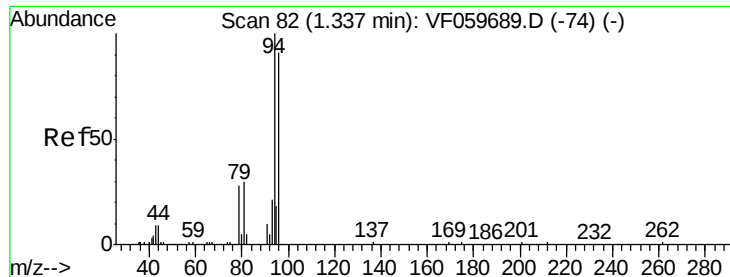
Tgt Ion: 62 Resp: 123672

Ion Ratio Lower Upper

62 100

64 30.0 22.6 33.8





#5

Bromomethane

Concen: 92.85 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 100017

Ion Ratio Lower Upper

94 100

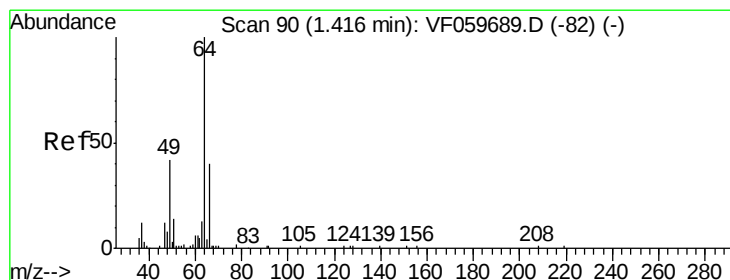
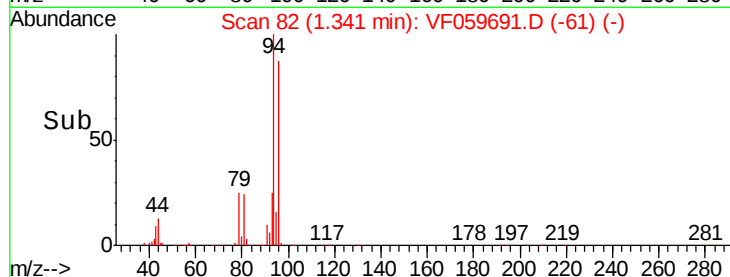
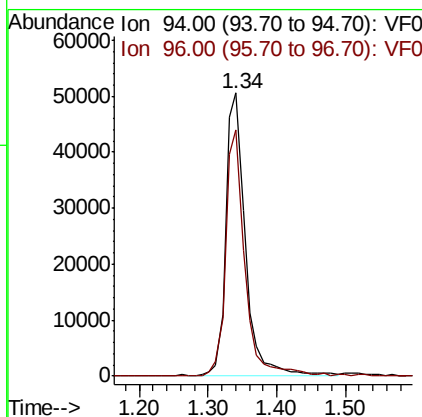
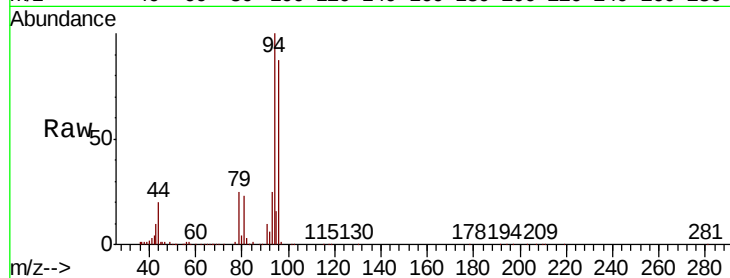
96 87.1 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 98.33 ug/l

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059691.D

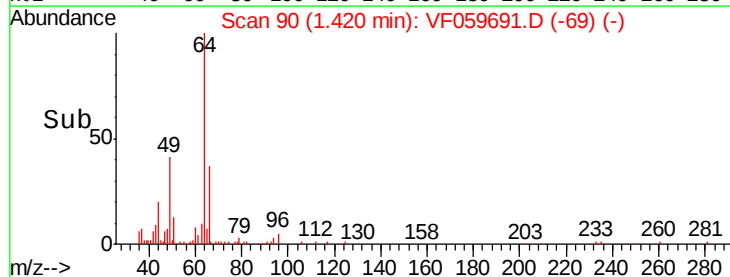
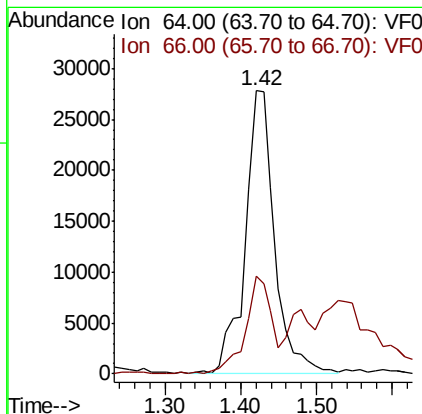
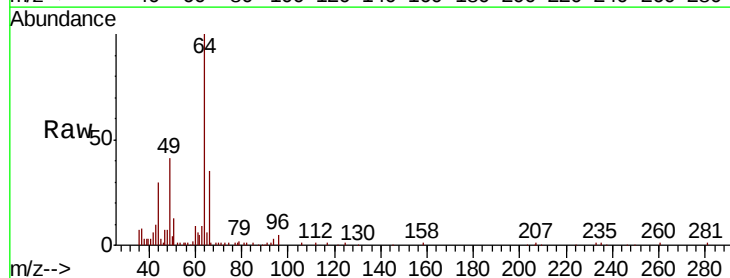
Acq: 30 Jul 2018 16:25

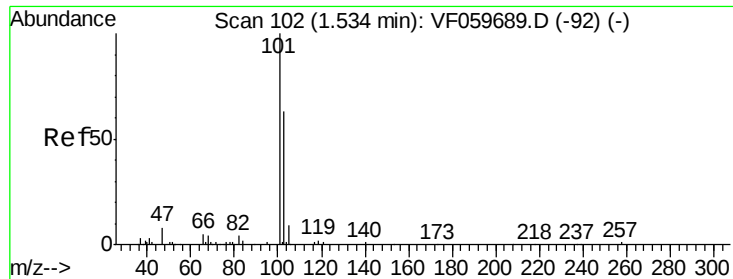
Tgt Ion: 64 Resp: 75921

Ion Ratio Lower Upper

64 100

66 34.6 32.6 49.0





#7

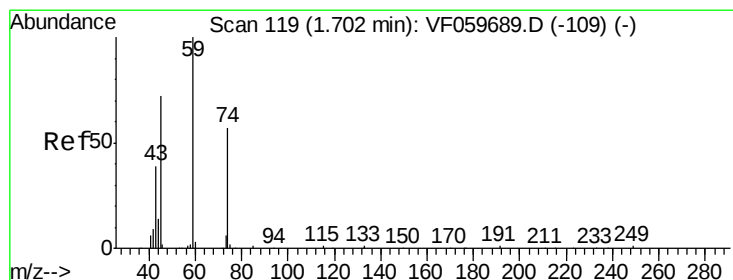
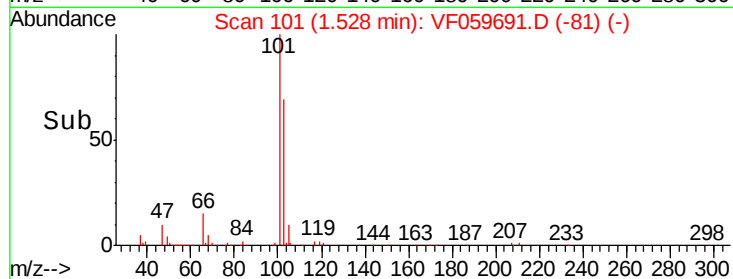
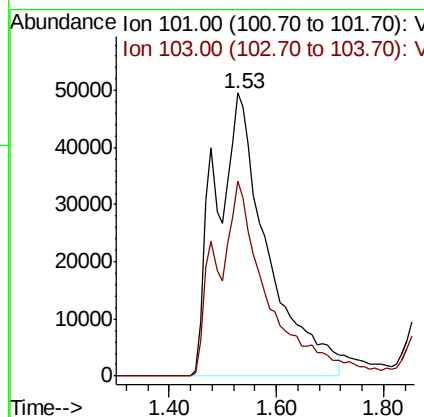
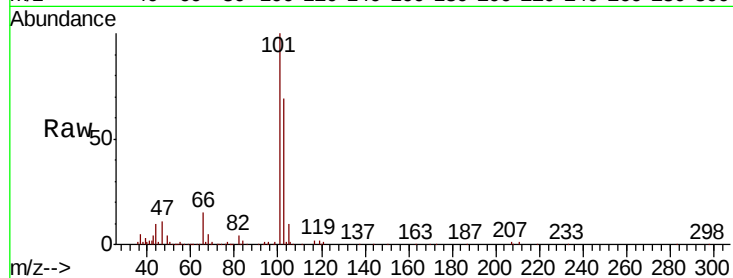
Trichlorofluoromethane
 Concen: 89.31 ug/l m
 RT: 1.53 min Scan# 101
 Delta R.T. -0.01 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.9	50.8	76.2

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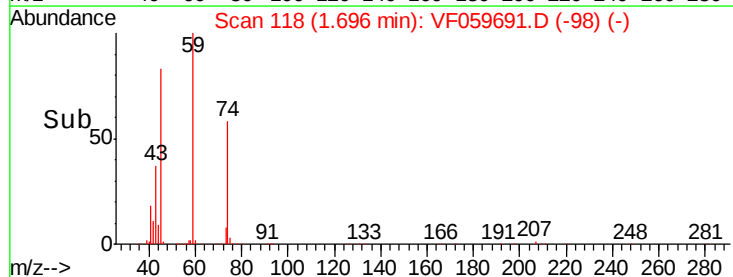
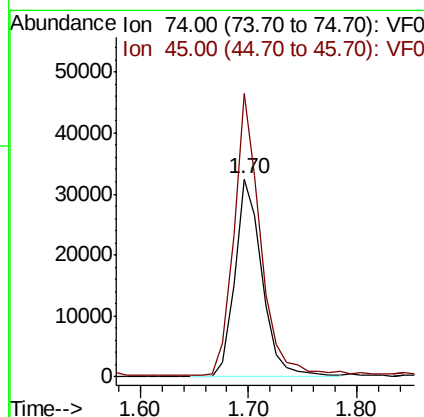
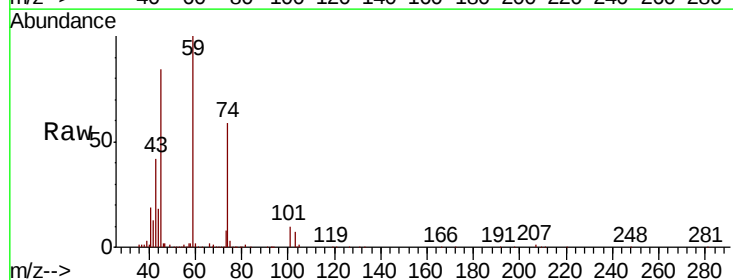
apatel
 7/31/2018 12:12:43 PM

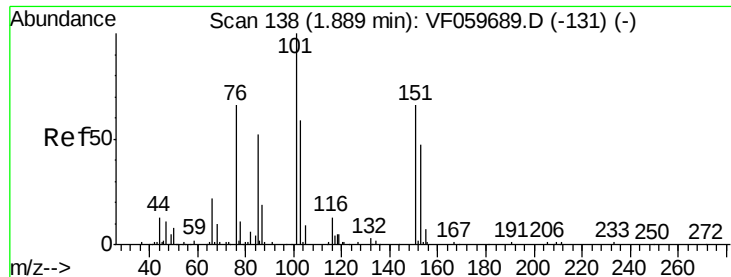


#8

Diethyl Ether
 Concen: 108.22 ug/l
 RT: 1.70 min Scan# 118
 Delta R.T. -0.01 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	142.9	62.7	188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 89.56 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

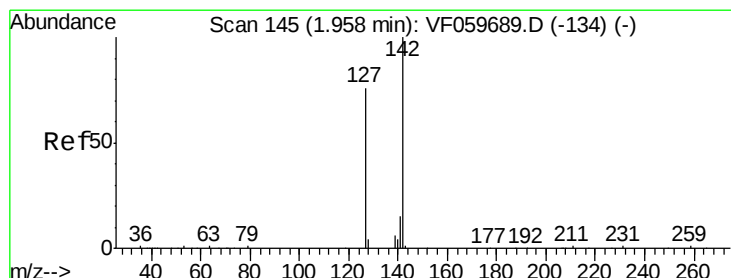
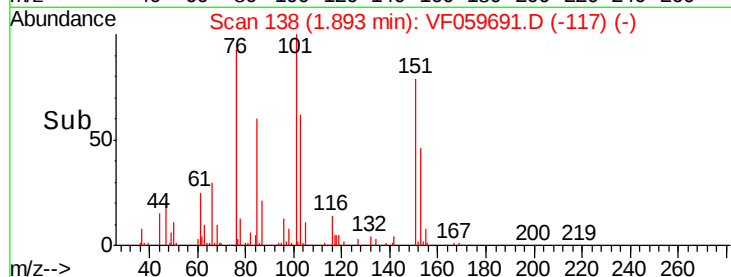
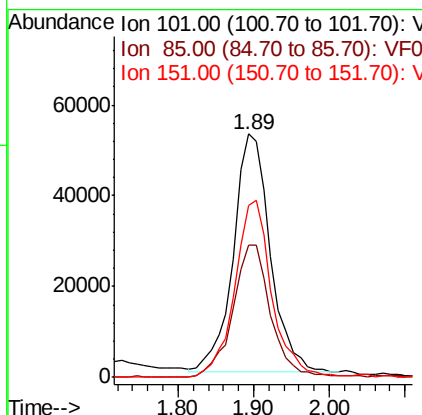
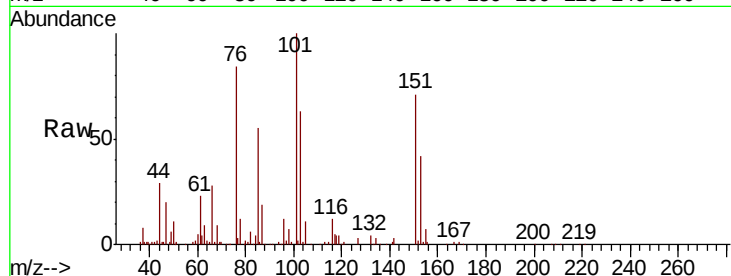
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	177181
Ion Ratio	Lower	Upper	
101	100		
85	54.5	40.7	61.1
151	70.6	51.4	77.2

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#10

Methyl Iodide

Concen: 96.22 ug/l m

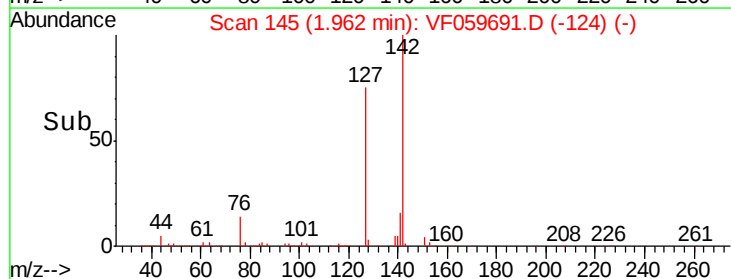
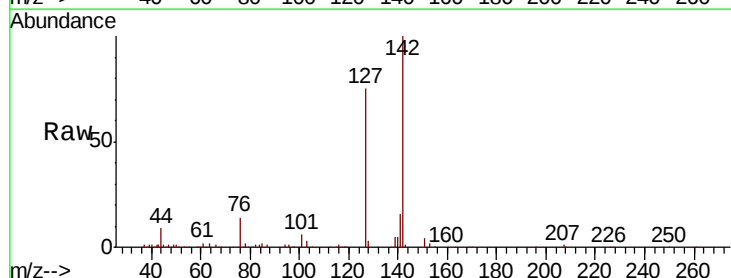
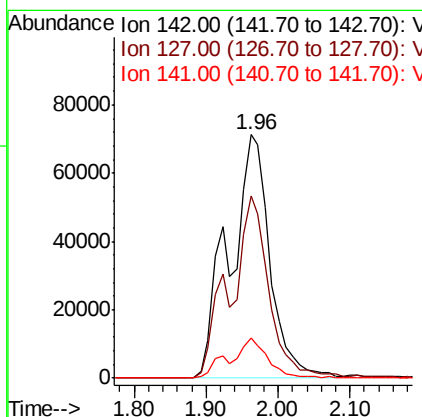
RT: 1.96 min Scan# 145

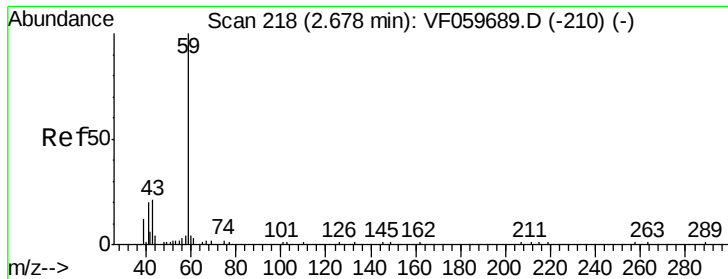
Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Tgt Ion:	142	Resp:	278616
Ion Ratio	Lower	Upper	
142	100		
127	74.9	60.6	91.0
141	16.3	12.0	18.0





#11

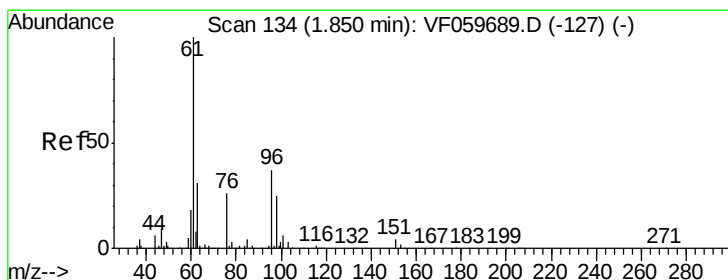
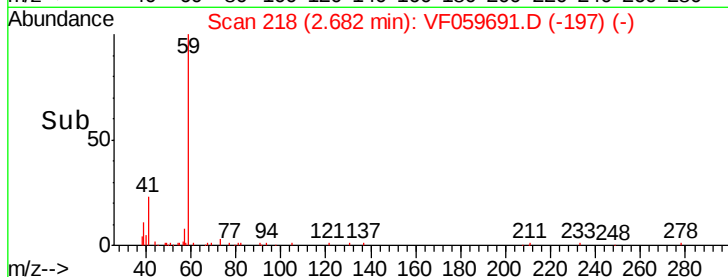
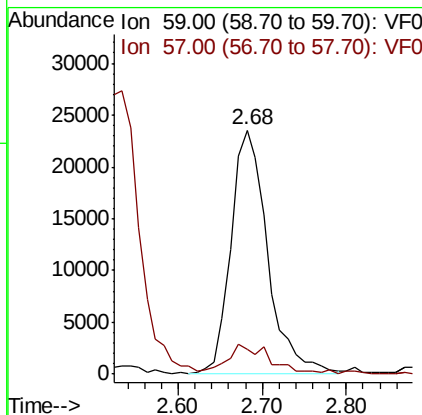
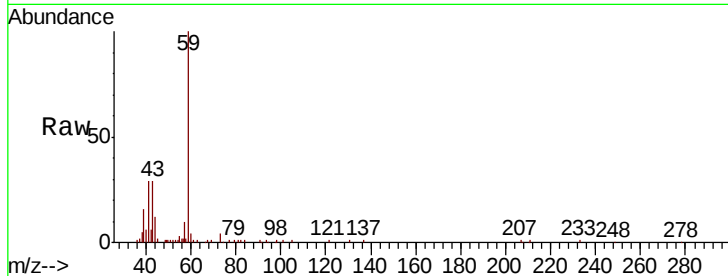
Tert butyl alcohol
Concen: 531.00 ug/l
RT: 2.68 min Scan# 218
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.6	11.4

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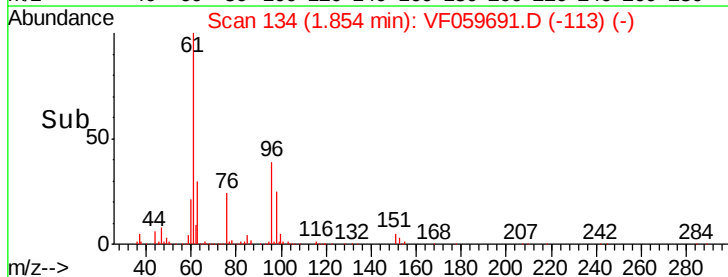
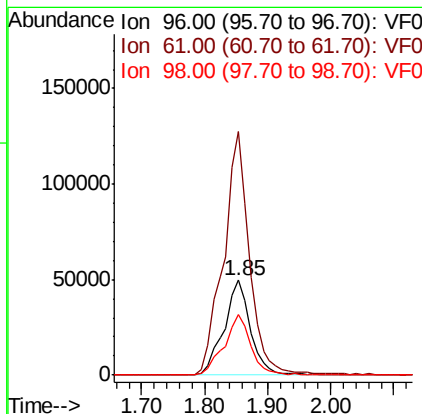
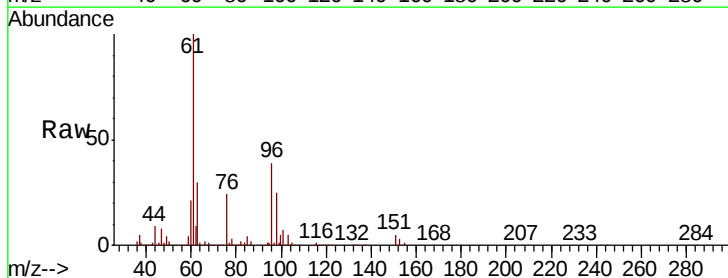
apatel
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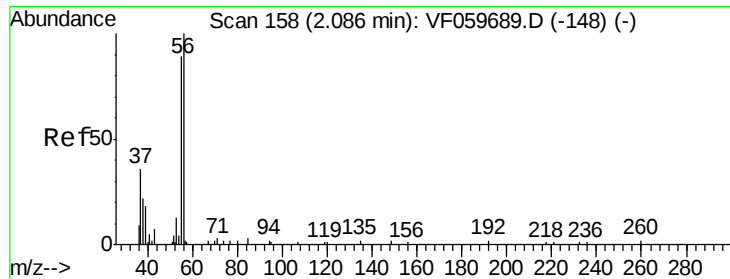


#12

1,1-Dichloroethene
Concen: 99.61 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	256.4	215.1	322.7
98	64.1	54.3	81.5





#13

Acrolein

Concen: 690.51 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 41265

Ion Ratio Lower Upper

56 100

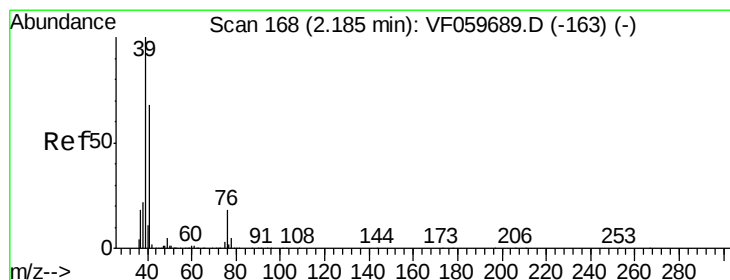
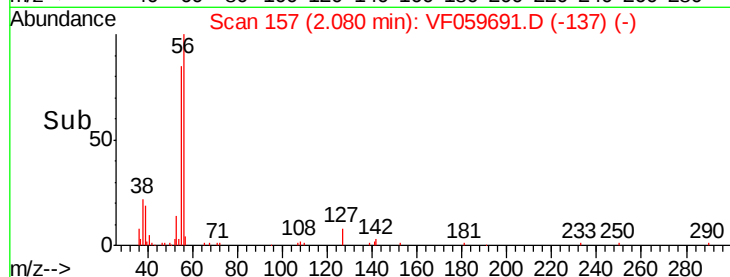
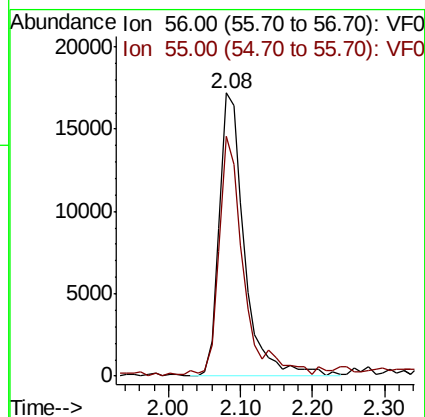
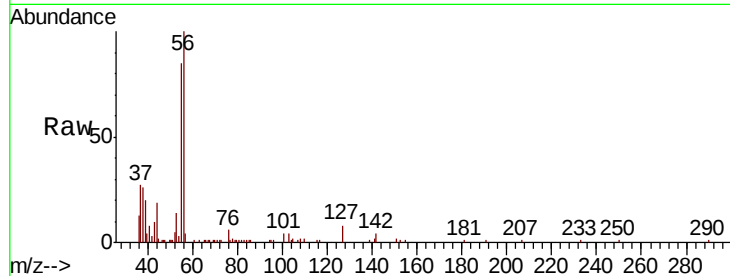
55 84.9 73.2 109.8

Manual Integrations

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#14

Allyl chloride

Concen: 96.21 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

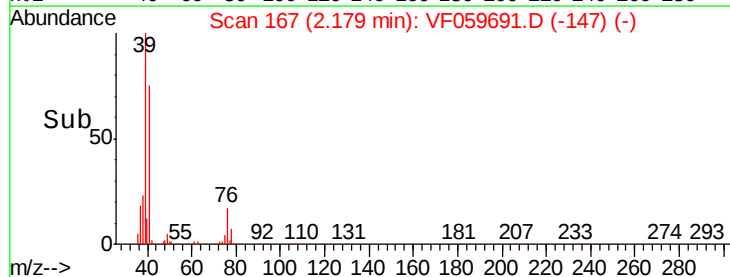
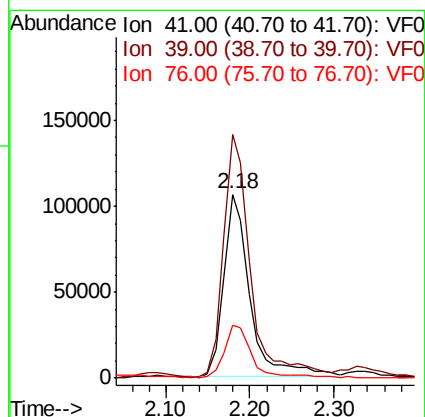
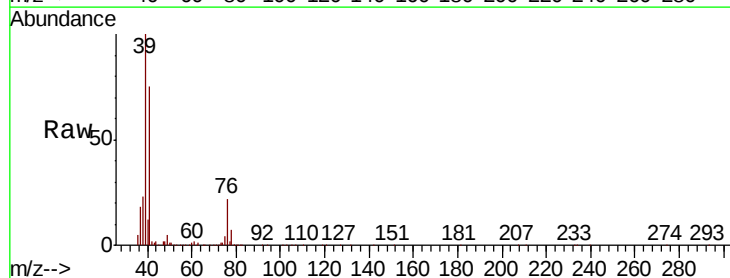
Tgt Ion: 41 Resp: 230364

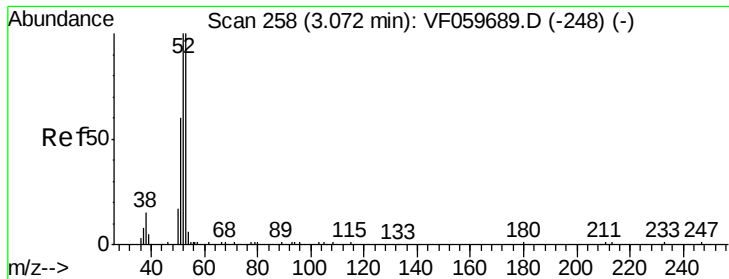
Ion Ratio Lower Upper

41 100

39 132.7 118.1 177.1

76 29.0 22.0 33.0





#15

Acrylonitrile

Concen: 541.68 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

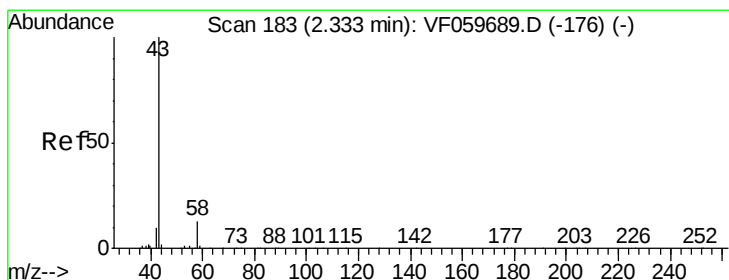
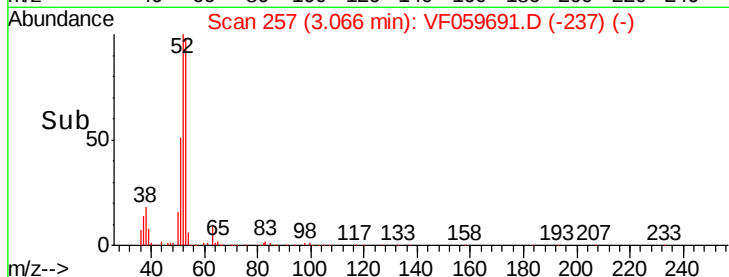
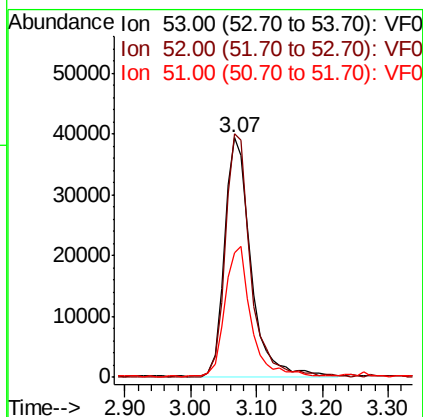
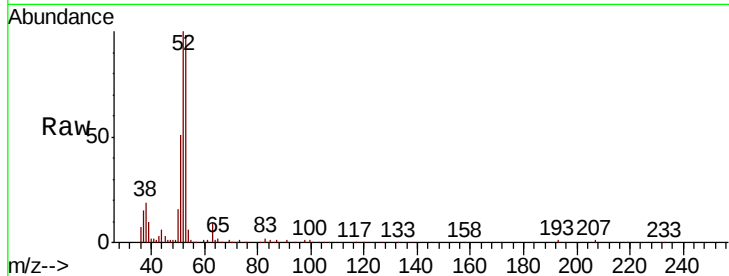
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	111487
Ion	Ratio	Lower	Upper
53	100		
52	101.7	80.3	120.5
51	51.9	49.4	74.0

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#16

Acetone

Concen: 537.28 ug/l

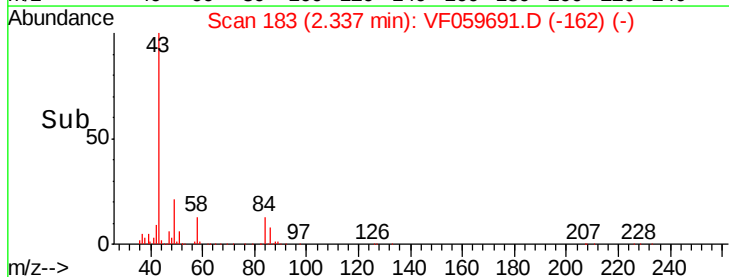
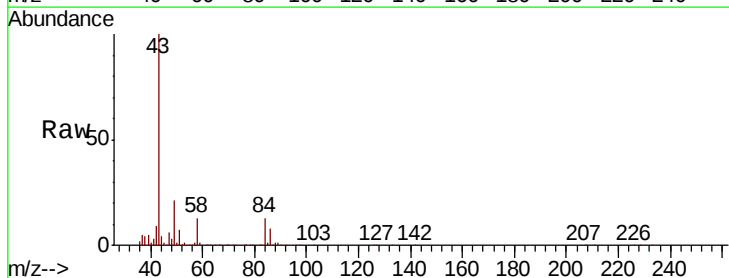
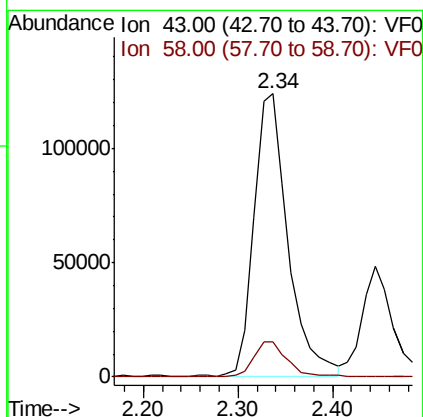
RT: 2.34 min Scan# 183

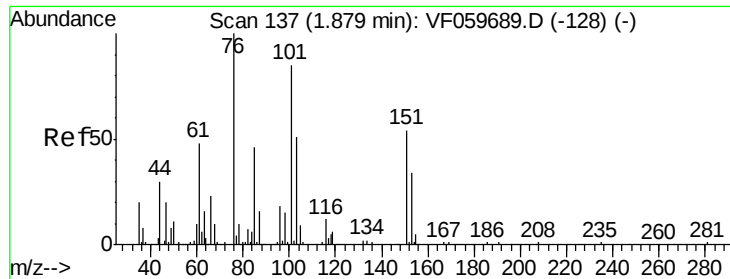
Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Tgt Ion:	43	Resp:	307909
Ion	Ratio	Lower	Upper
43	100		
58	12.6	10.1	15.1





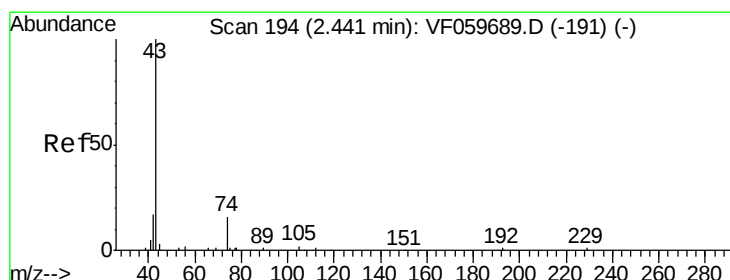
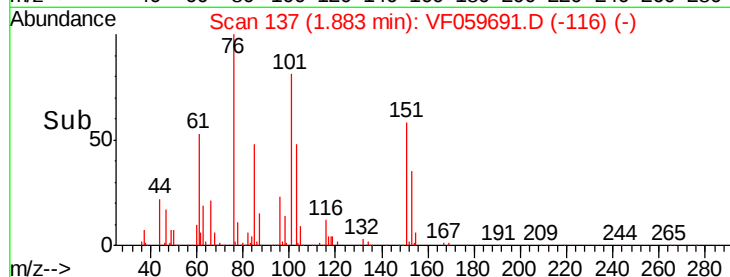
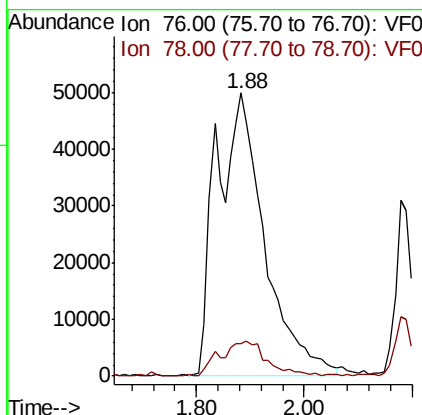
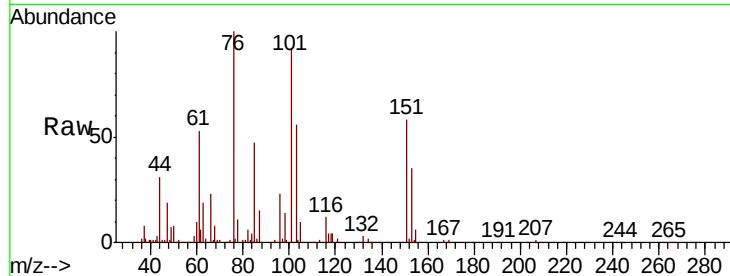
#17
Carbon Disulfide
Concen: 86.73 ug/l m
RT: 1.88 min Scan# 137
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 308606
Ion Ratio Lower Upper
76 100
78 11.4 8.9 13.3

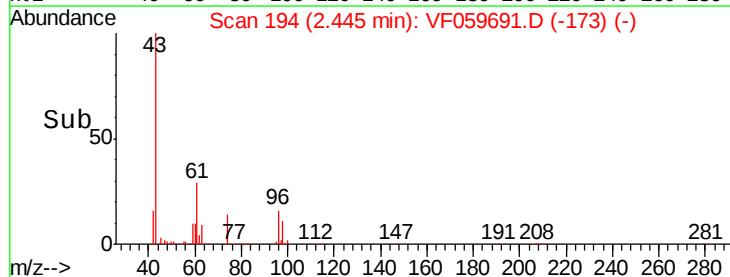
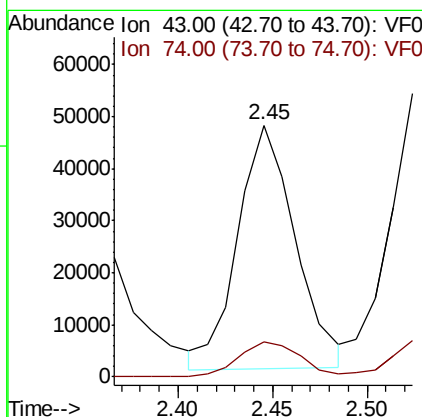
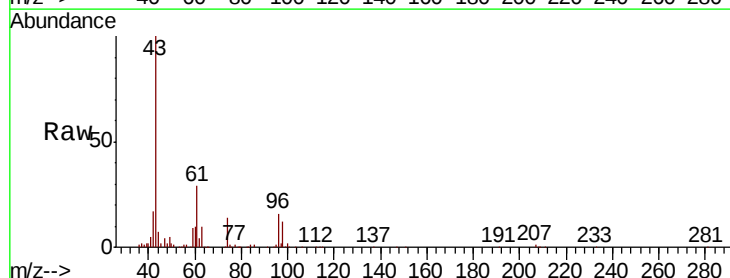
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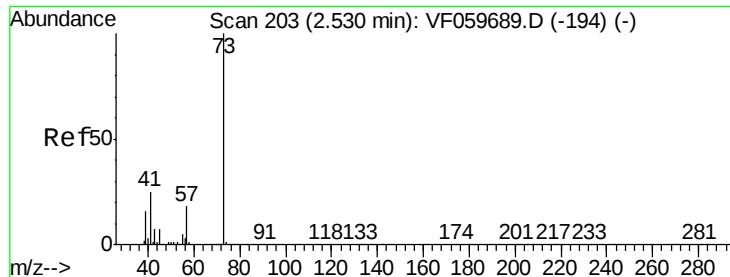
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#18
Methyl Acetate
Concen: 103.27 ug/l
RT: 2.45 min Scan# 194
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion: 43 Resp: 99065
Ion Ratio Lower Upper
43 100
74 14.1 11.8 17.6





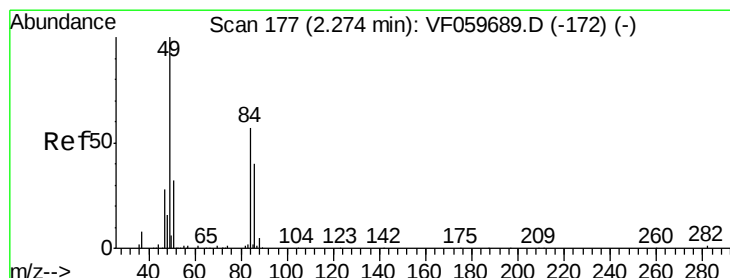
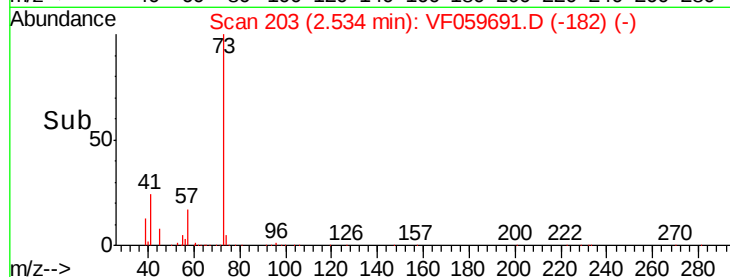
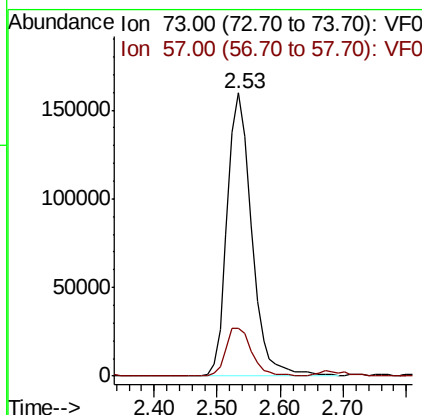
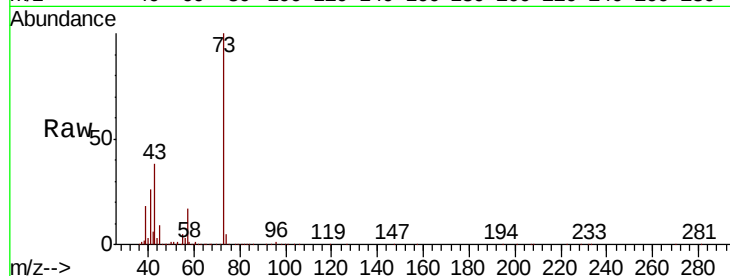
#19
Methyl tert-butyl Ether
Concen: 105.72 ug/l
RT: 2.53 min Scan# 203
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.1	14.2	21.2

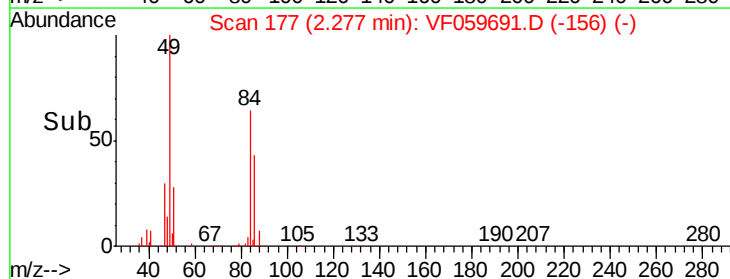
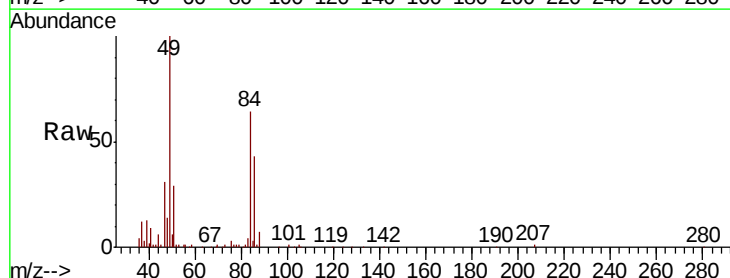
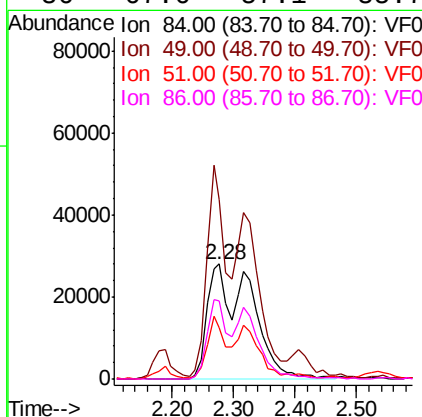
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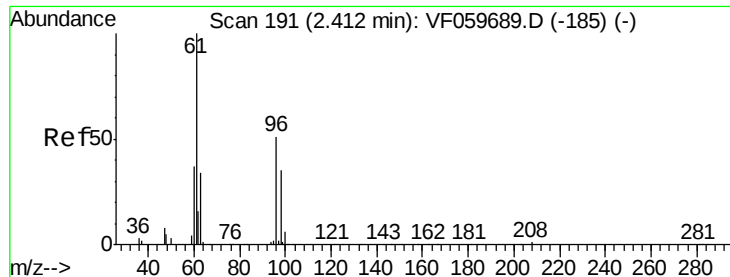
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#20
Methylene Chloride
Concen: 65.09 ug/l m
RT: 2.28 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	156.3	142.2	213.4
51	44.7	46.2	69.2
86	67.6	57.1	85.7





#21

trans-1,2-Dichloroethene

Concen: 87.26 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

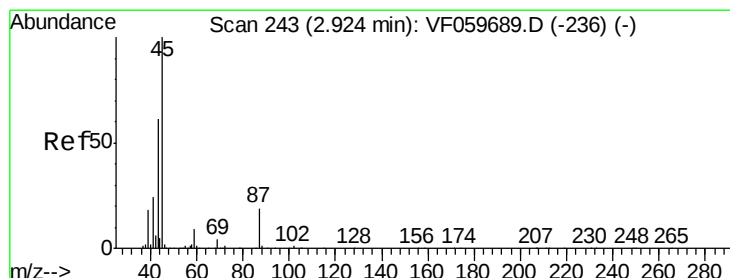
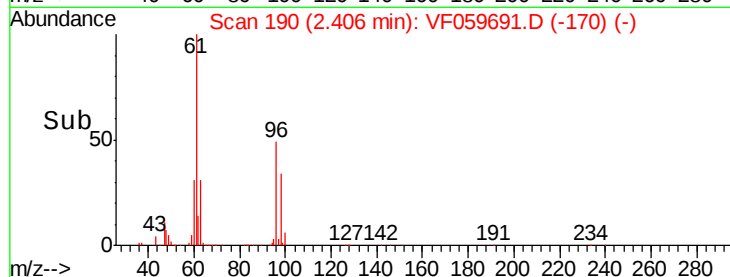
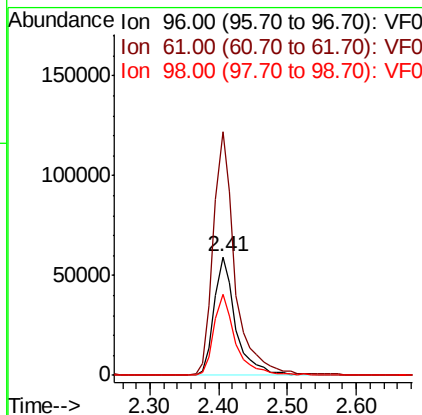
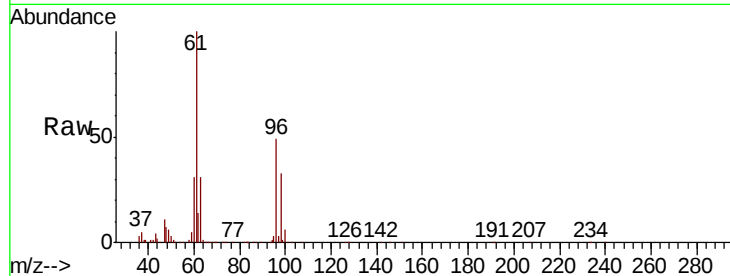
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	131001
Ion Ratio	Lower	Upper	
96	100		
61	206.0	157.4	236.0
98	68.9	55.0	82.4

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#22

Diisopropyl ether

Concen: 101.35 ug/l

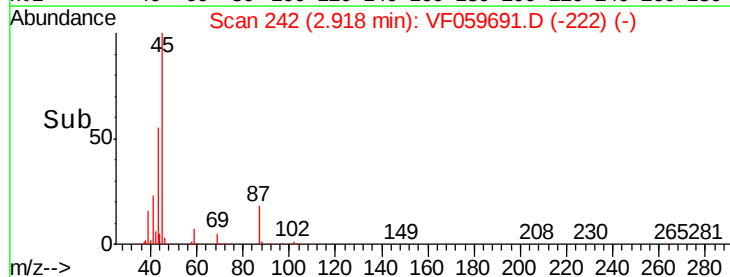
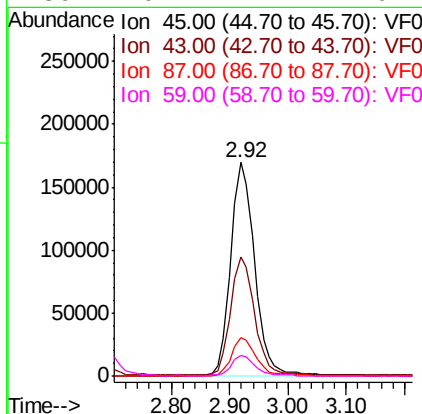
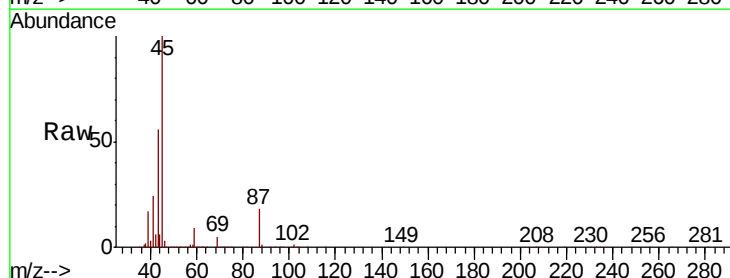
RT: 2.92 min Scan# 242

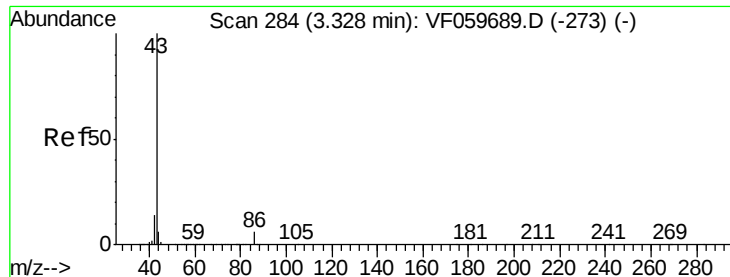
Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Tgt Ion:	45	Resp:	485085
Ion Ratio	Lower	Upper	
45	100		
43	55.7	49.3	73.9
87	18.1	15.3	22.9
59	9.4	7.1	10.7





#23

Vinyl Acetate

Concen: 533.54 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1265899

Ion Ratio Lower Upper

43 100

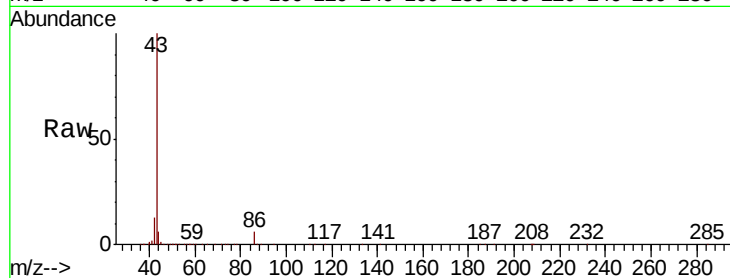
86 5.7 4.6 6.8

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.33

400000

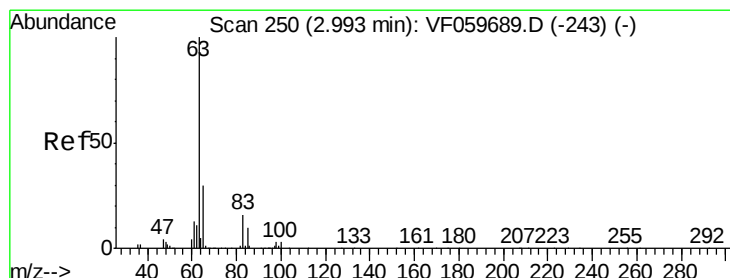
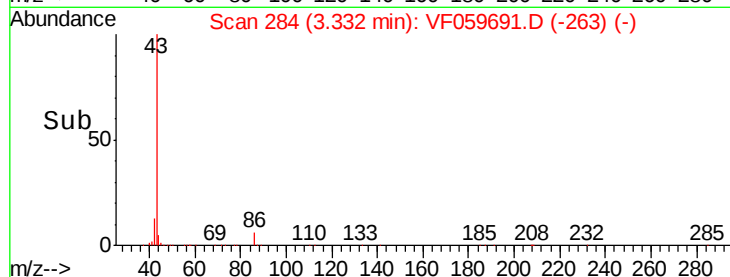
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 96.43 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

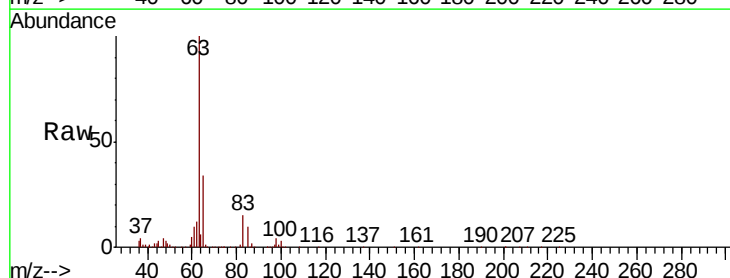
Tgt Ion: 63 Resp: 328374

Ion Ratio Lower Upper

63 100

98 3.6 1.4 4.2

100 2.6 1.6 4.7



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

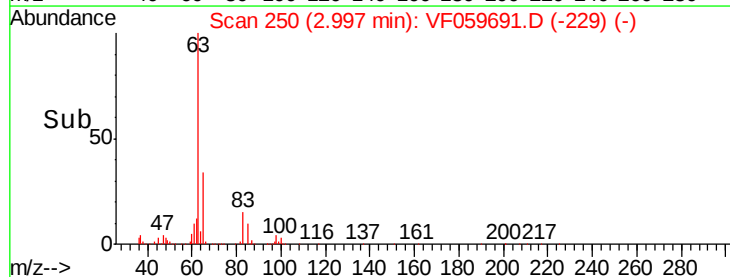
150000

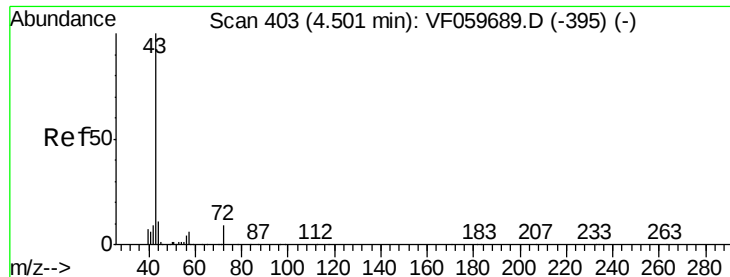
100000

50000

0

Time-->





#25

2-Butanone

Concen: 491.71 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 310482

Ion Ratio Lower Upper

43 100

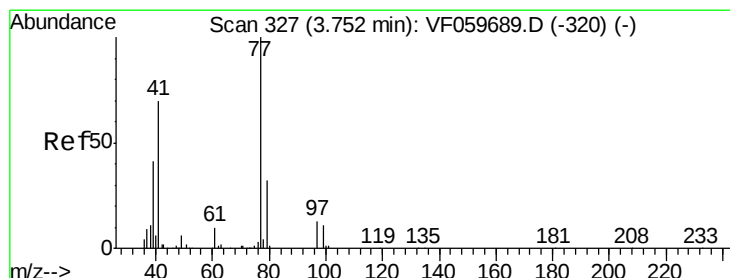
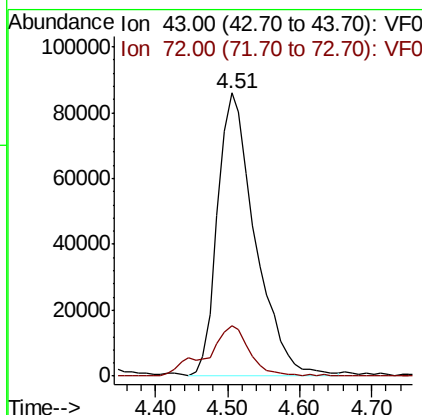
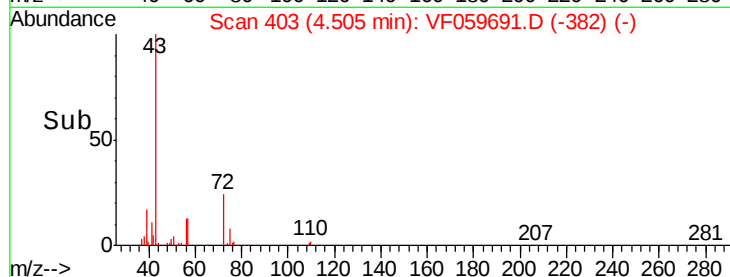
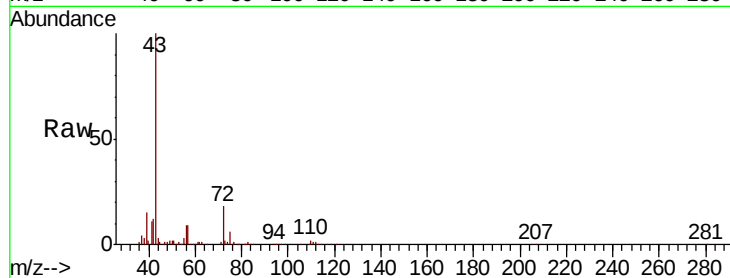
72 17.8 7.7 11.5#

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#26

2,2-Dichloropropane

Concen: 84.75 ug/l

RT: 3.76 min Scan# 327

Delta R.T. 0.00 min

Lab File: VF059691.D

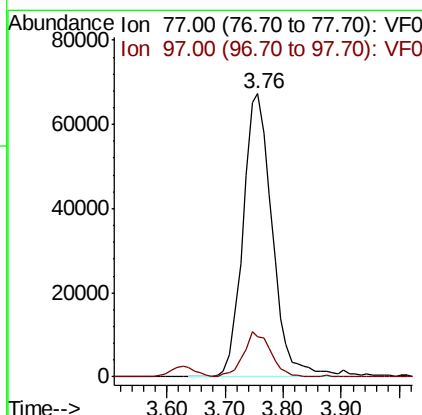
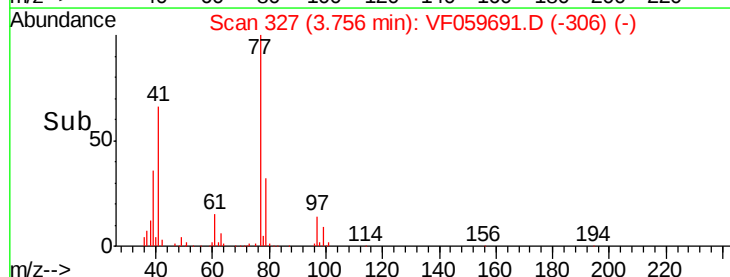
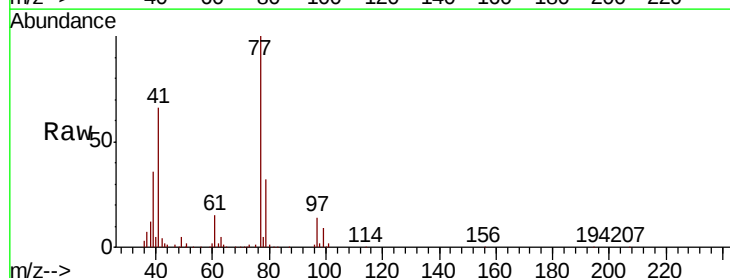
Acq: 30 Jul 2018 16:25

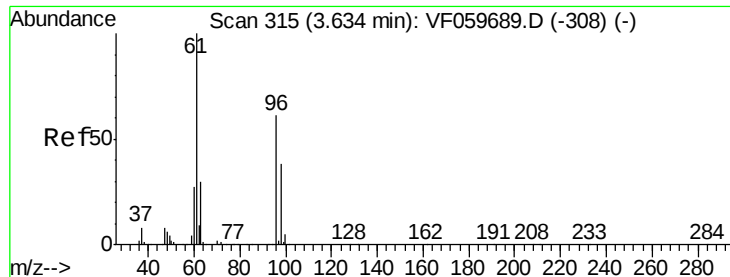
Tgt Ion: 77 Resp: 234751

Ion Ratio Lower Upper

77 100

97 14.2 6.8 20.4





#27

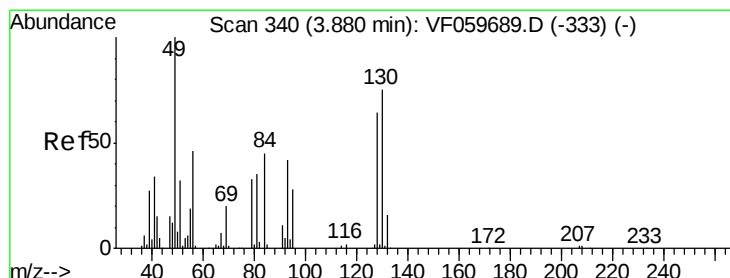
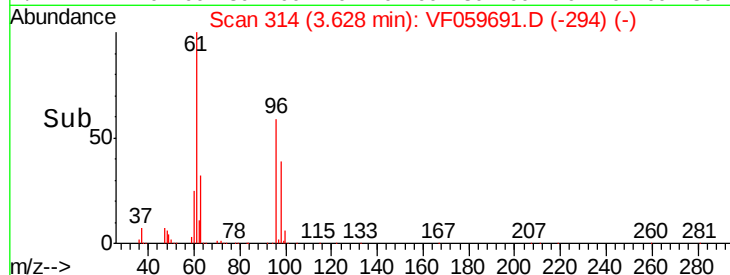
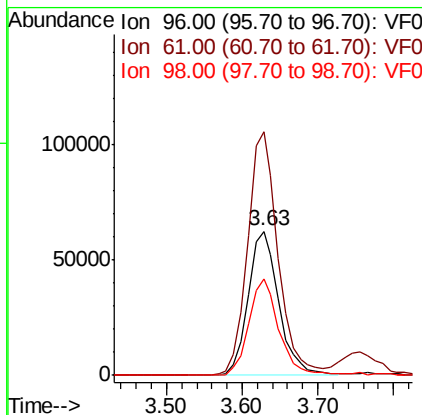
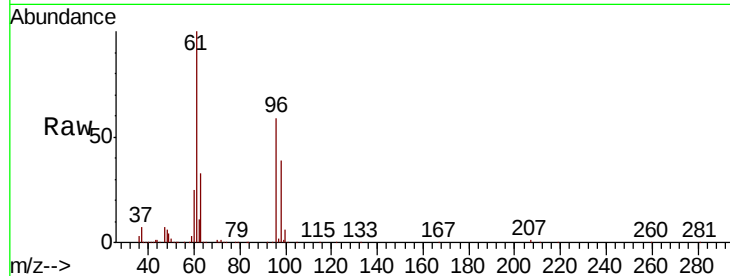
cis-1,2-Dichloroethene
Concen: 99.94 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	175996		
61	169.2	0.0	326.8	
98	66.8	0.0	125.2	

Manual Integrations
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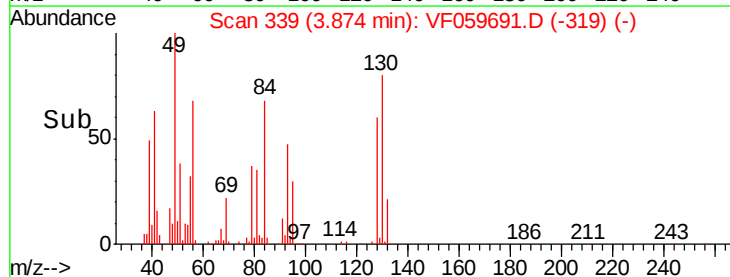
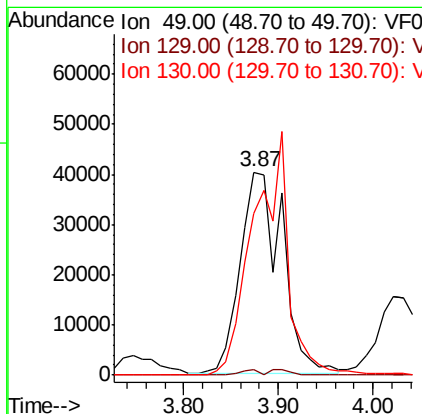
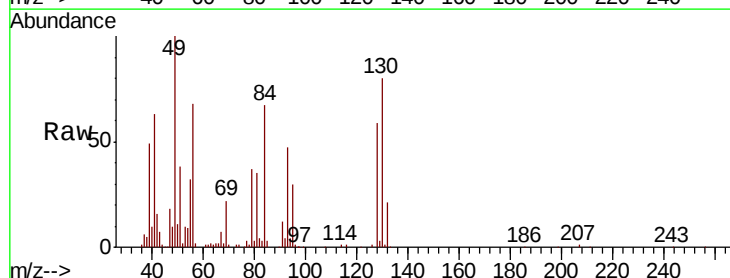
apatel
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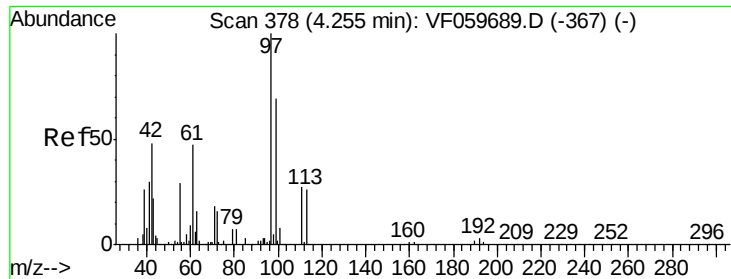


#28

Bromochloromethane
Concen: 99.74 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	125119		
129	2.6	0.0	4.8	
130	79.7	59.6	89.4	





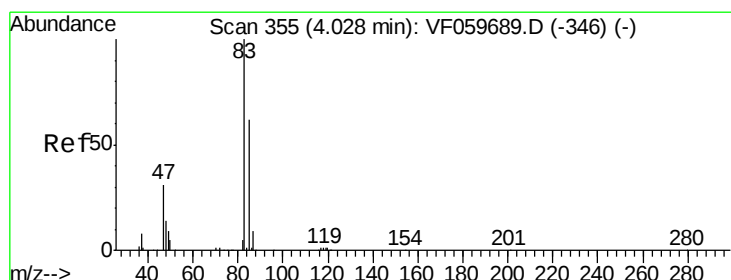
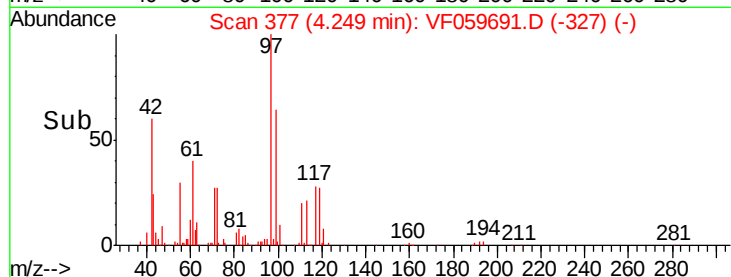
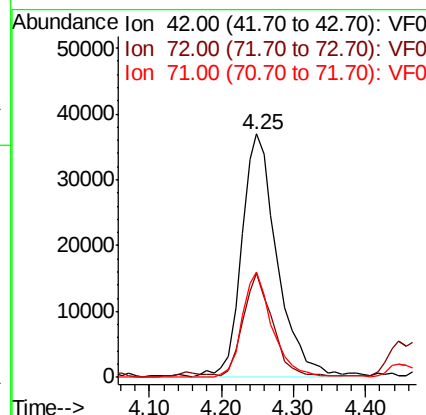
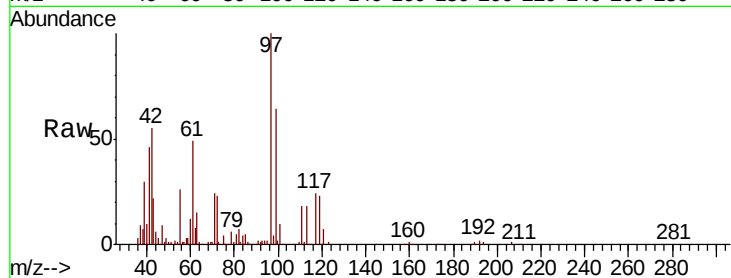
#29
Tetrahydrofuran
Concen: 501.81 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	35.2		27.0	40.6
71	37.6		29.7	44.5

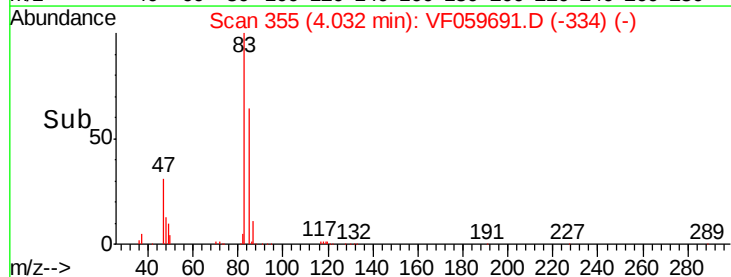
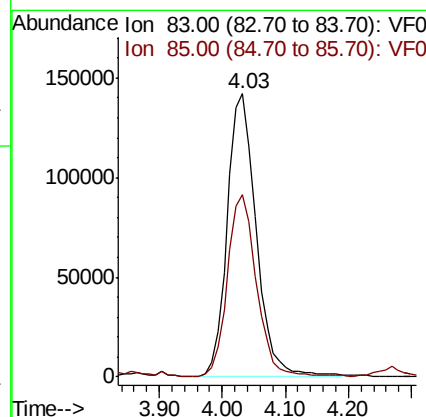
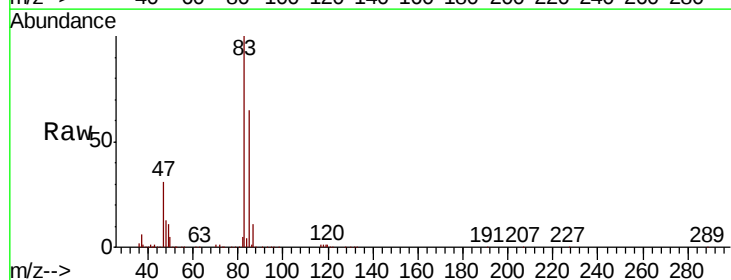
Manual Integrations
APPROVED

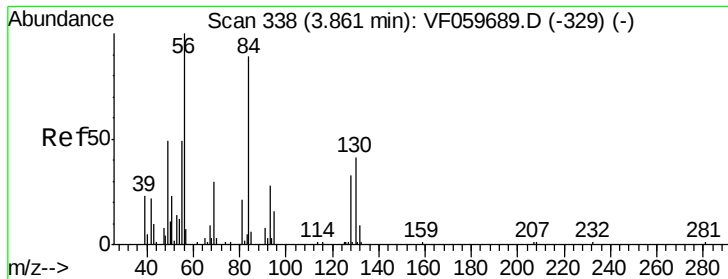
apatel
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#30
Chloroform
Concen: 93.57 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

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





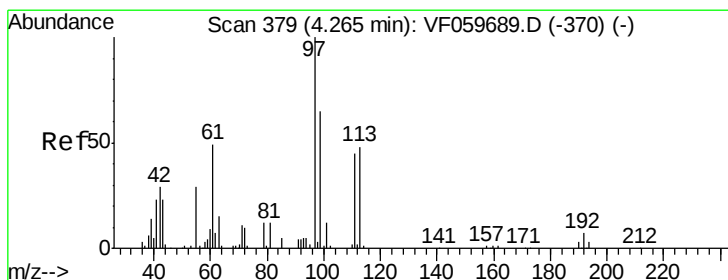
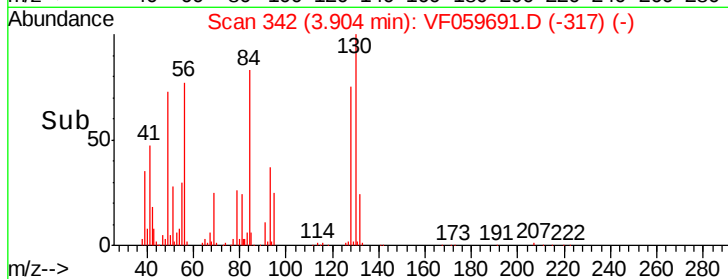
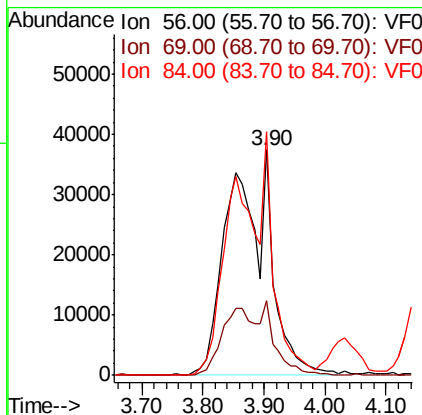
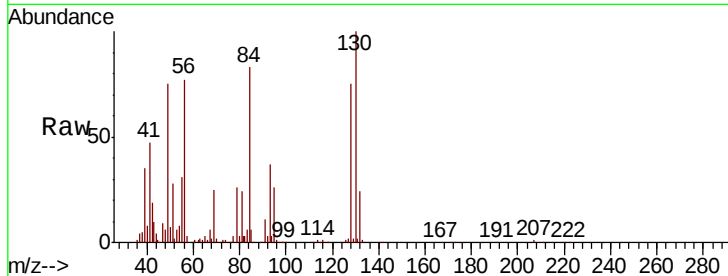
#31
Cyclohexane
Concen: 90.77 ug/l m
RT: 3.90 min Scan# 342
Delta R.T. 0.04 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.0	23.7	35.5
84	108.1	71.1	106.7

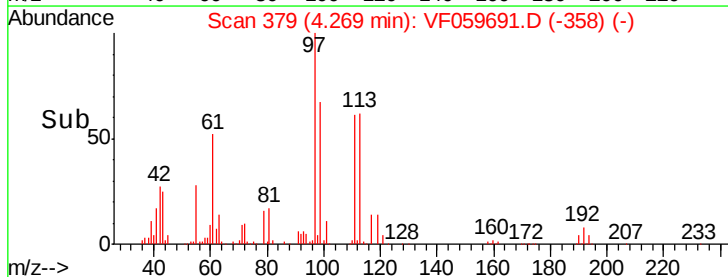
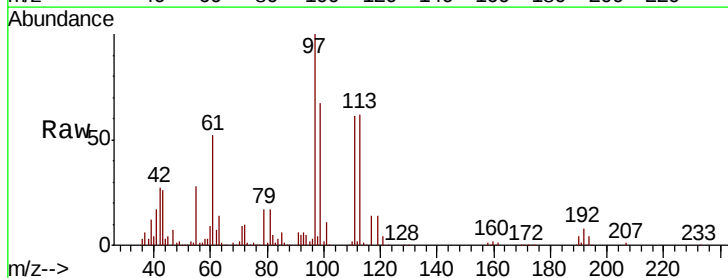
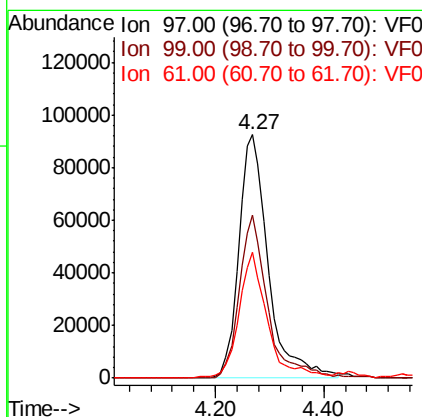
Manual Integrations
APPROVED

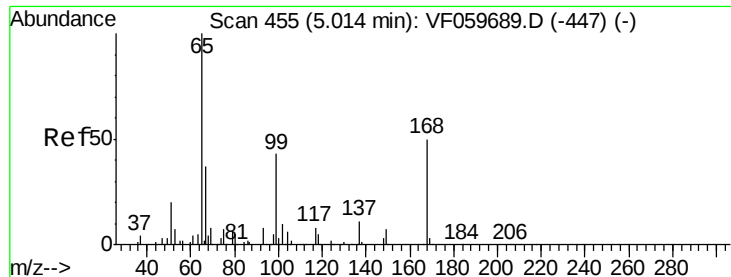
apatel
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#32
1,1,1-Trichloroethane
Concen: 88.51 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.8	52.4	78.6
61	51.8	39.7	59.5





#33

1,2-Dichloroethane-d4

Concen: 113.34 ug/l

RT: 5.01 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 356498

Ion Ratio Lower Upper

65 100

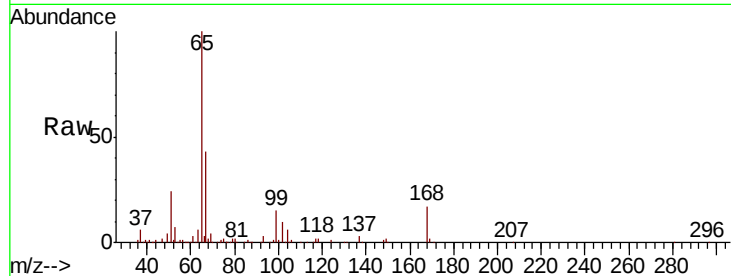
67 42.9 0.0 84.6

Manual Integrations

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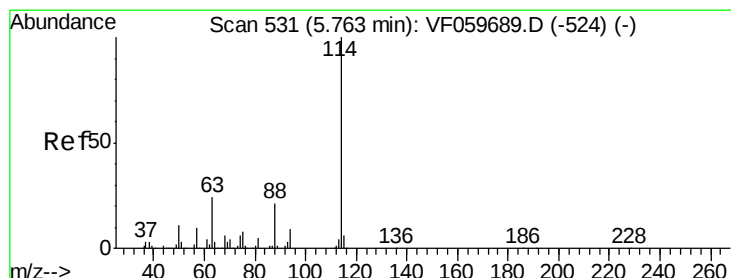
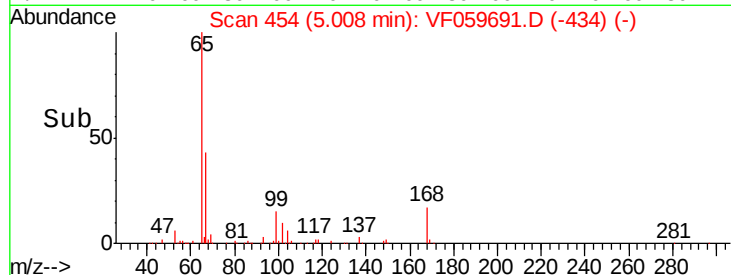
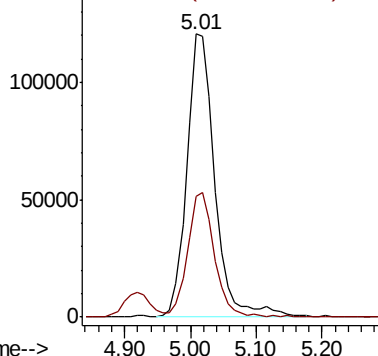
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.76 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

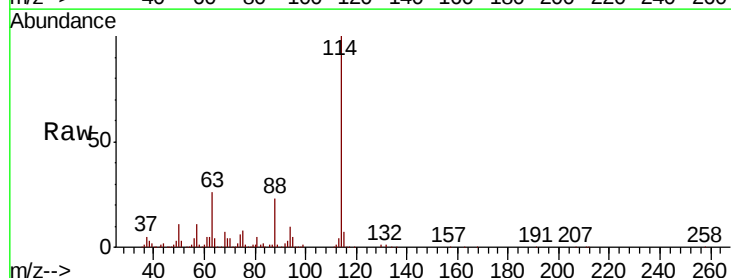
Tgt Ion: 114 Resp: 277972

Ion Ratio Lower Upper

114 100

63 26.2 0.0 47.4

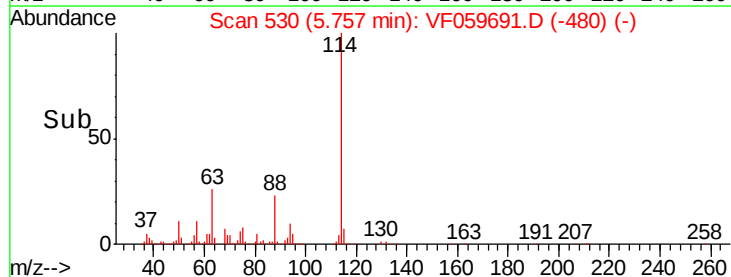
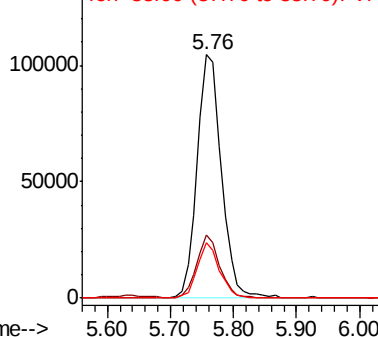
88 22.8 0.0 41.2

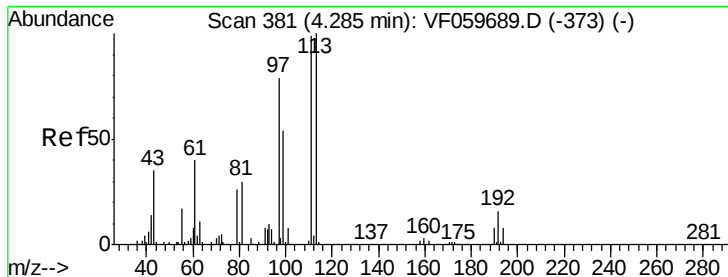


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 102.70 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

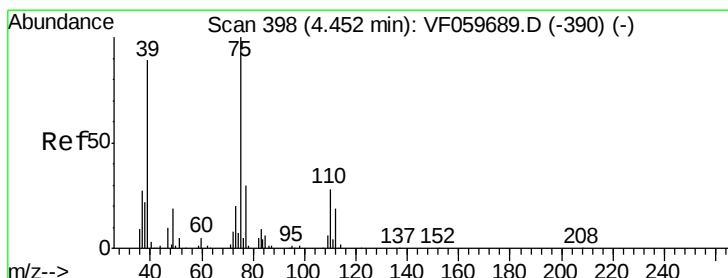
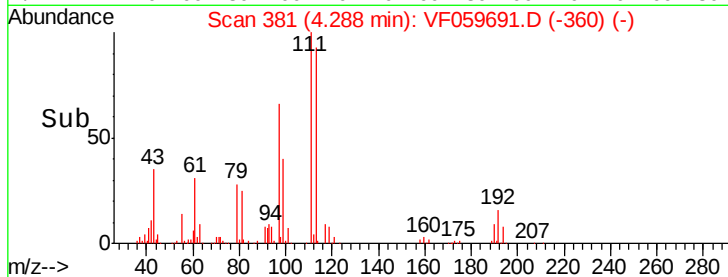
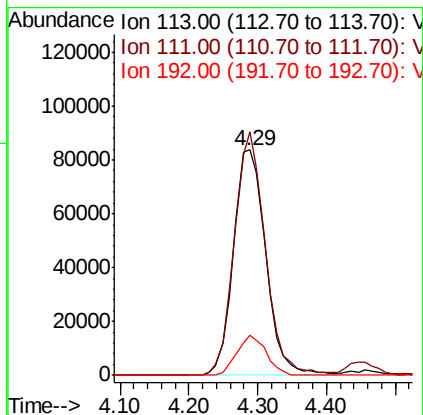
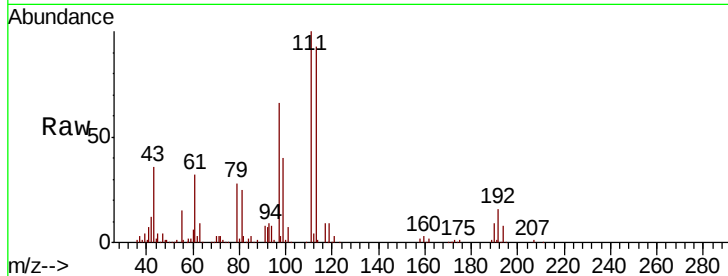
ClientSampleId :

VSTDIC100

Tot Ion:	113	Resp:	273213
Ion Ratio	Lower	Upper	
113	100		
111	108.0	79.0	118.4
192	18.0	13.2	19.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 91.35 ug/l

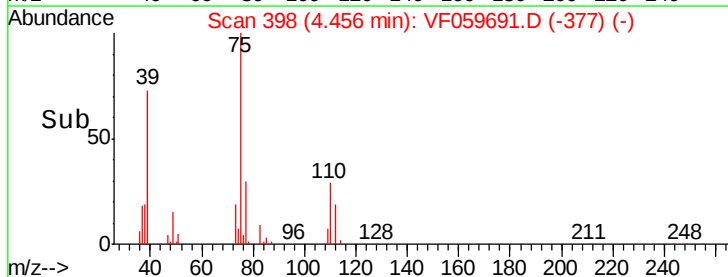
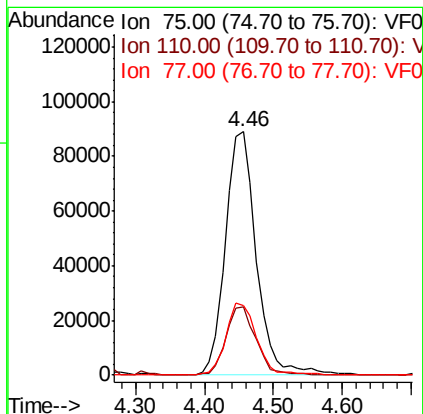
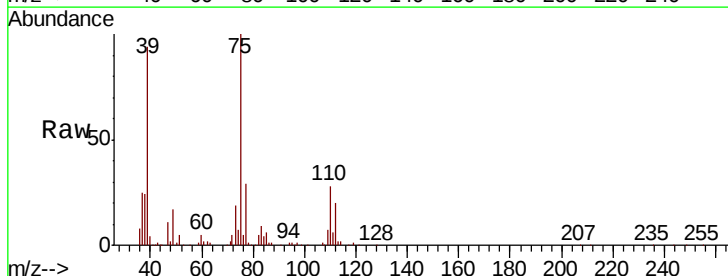
RT: 4.46 min Scan# 398

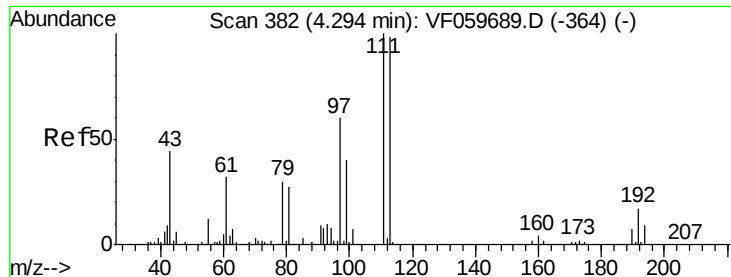
Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Tgt Ion:	75	Resp:	275431
Ion Ratio	Lower	Upper	
75	100		
110	28.1	14.0	41.9
77	28.8	24.2	36.2





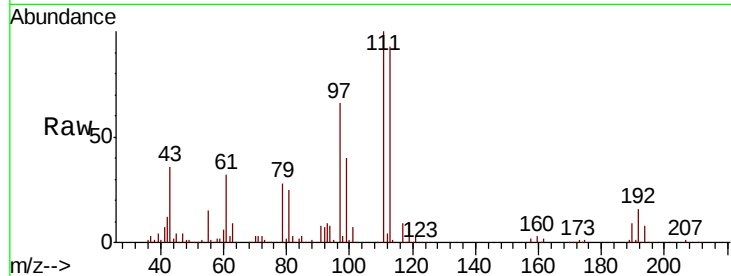
#37
Ethyl Acetate
Concen: 99.88 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	88.8	58.2	87.2#
70	8.0	6.0	9.0

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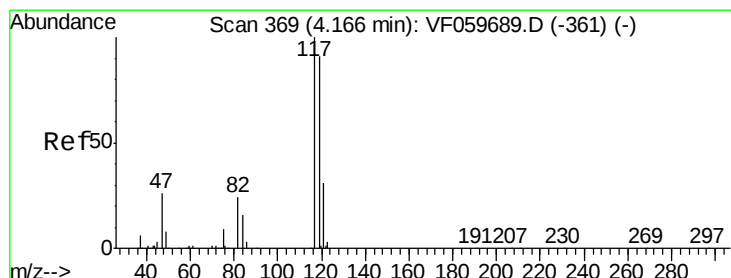
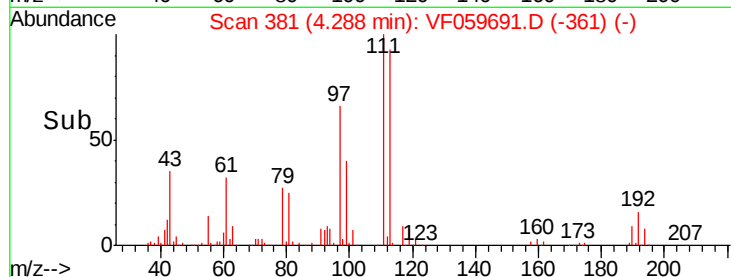
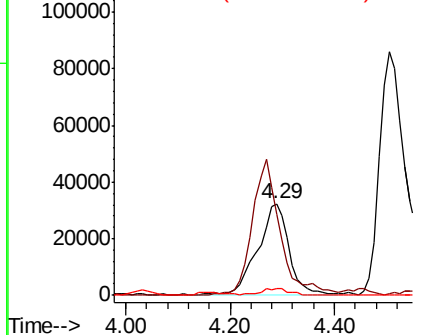


Abundance

Ion 43.00 (42.70 to 43.70): VF0

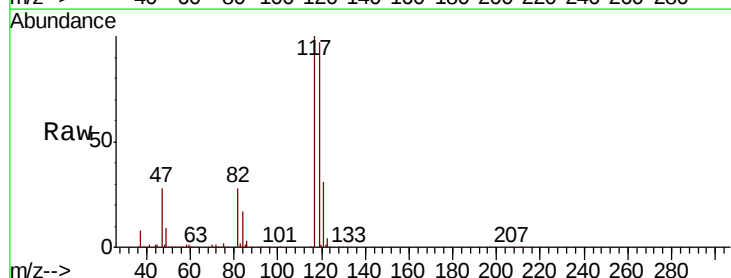
Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38
Carbon Tetrachloride
Concen: 88.92 ug/l m
RT: 4.16 min Scan# 368
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	72.9	109.3
121	31.1	25.0	37.4

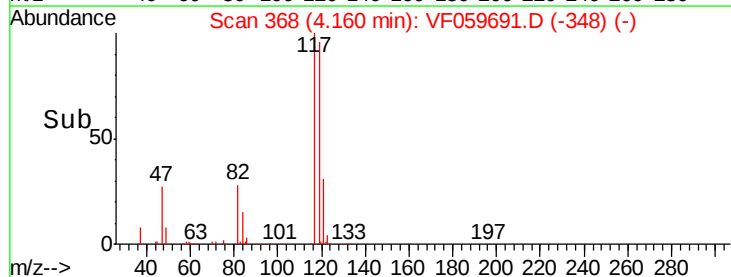
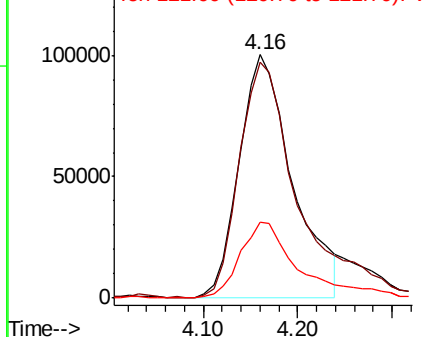


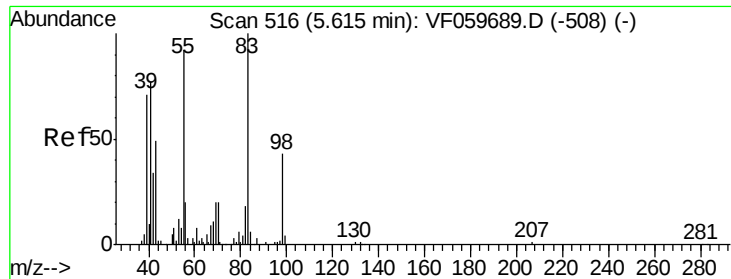
Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V





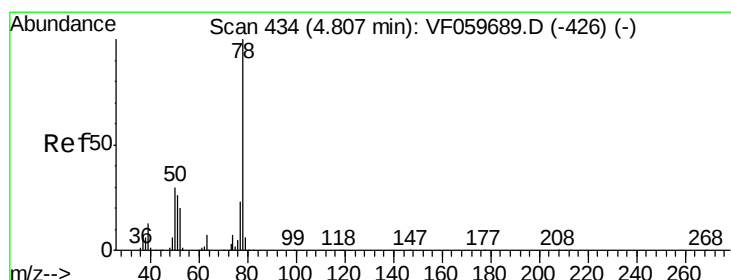
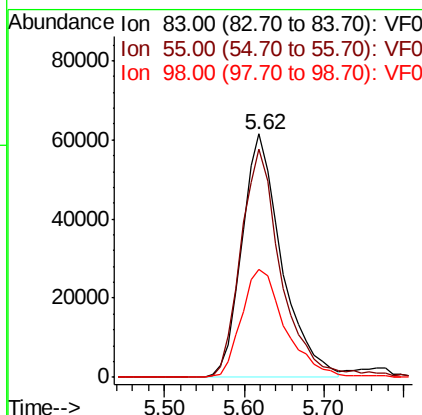
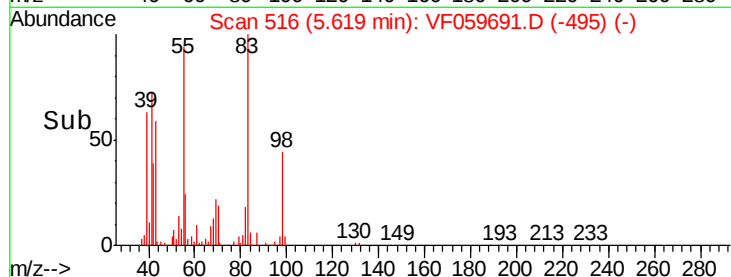
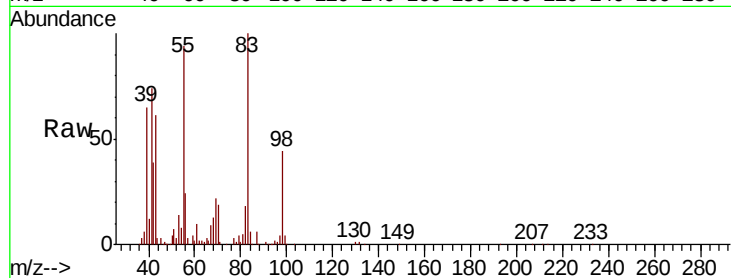
#39
Methvlcvclohexane
Concen: 86.26 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	93.8	73.4	110.2
98	44.4	34.2	51.4

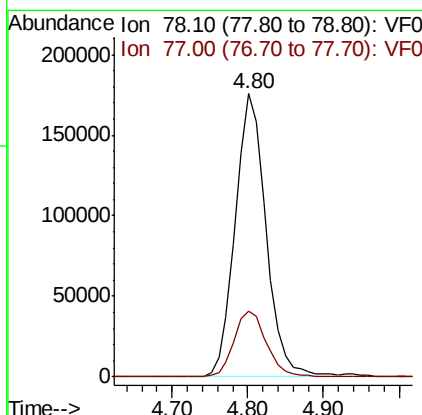
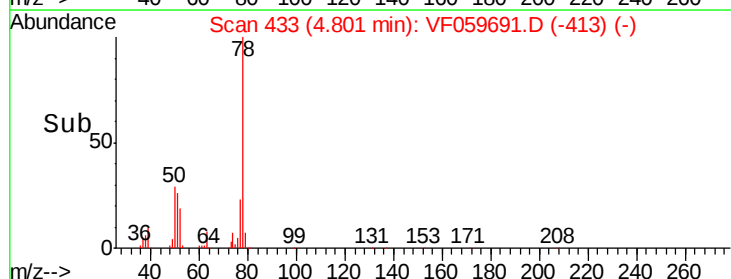
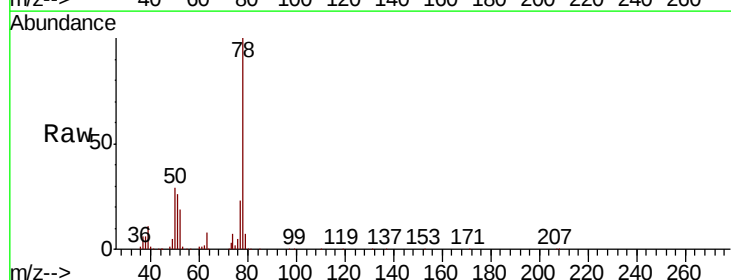
Manual Integrations
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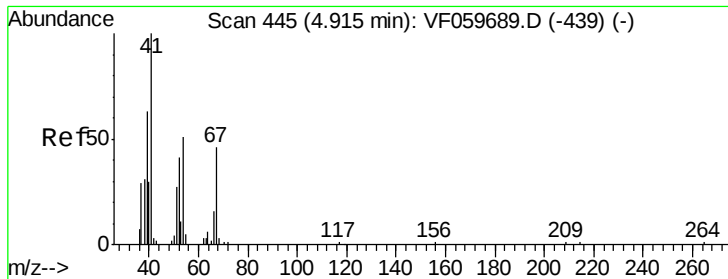
apatel
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#40
Benzene
Concen: 92.76 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.9	28.3





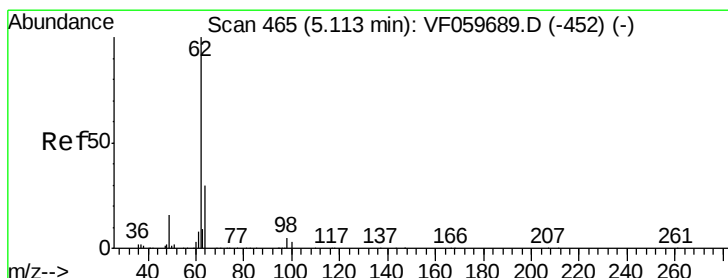
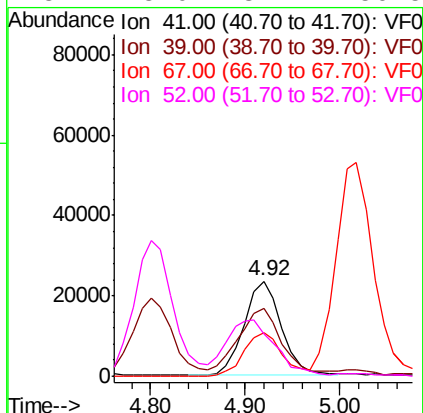
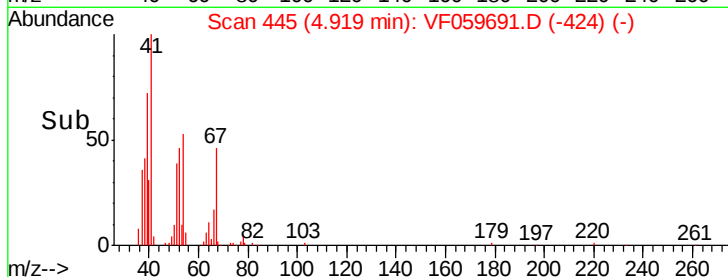
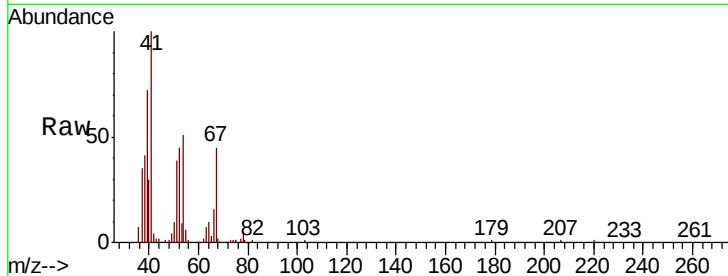
#41
Methacrylonitrile
Concen: 97.59 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	71.8	55.2	82.8
67	45.2	36.2	54.2
52	45.0	37.7	56.5

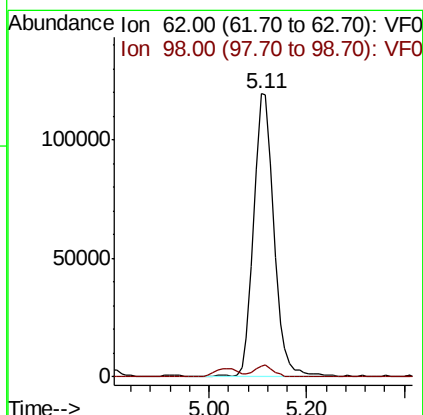
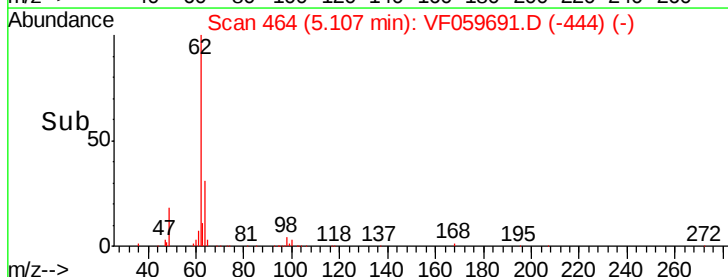
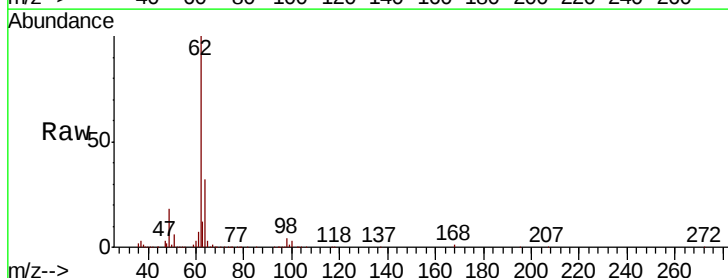
Manual Integrations
APPROVED

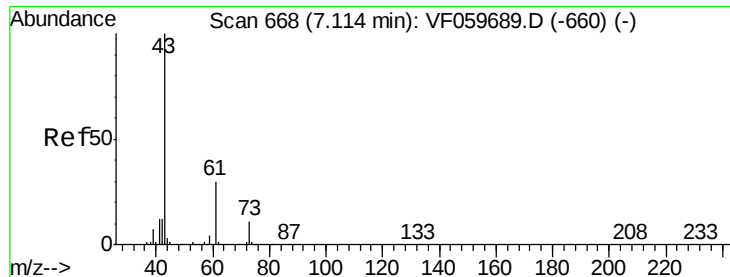
apatel
7/31/2018 12:12:43 PM



#42
1,2-Dichloroethane
Concen: 100.87 ug/l
RT: 5.11 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.8	0.0	9.6





#43

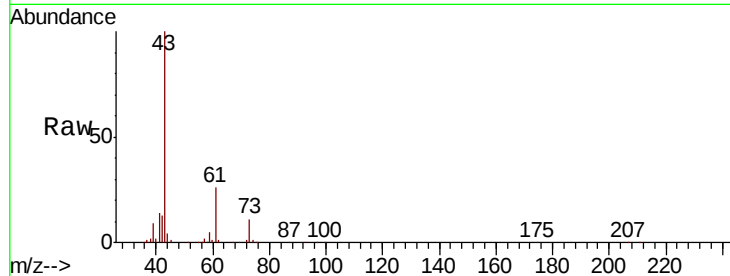
Isopropyl Acetate
 Concen: 115.21 ug/l
 RT: 7.11 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

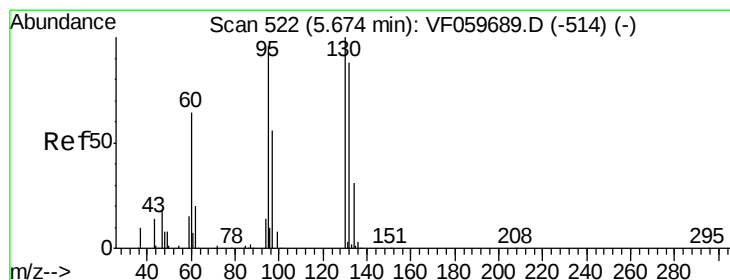
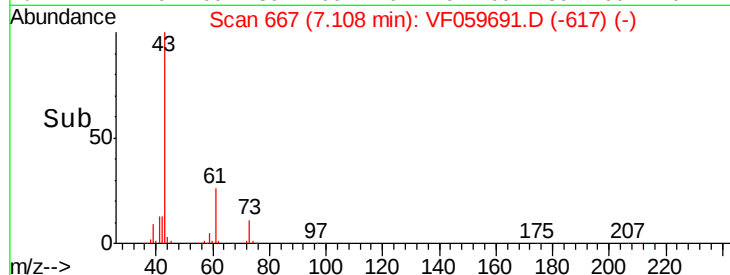
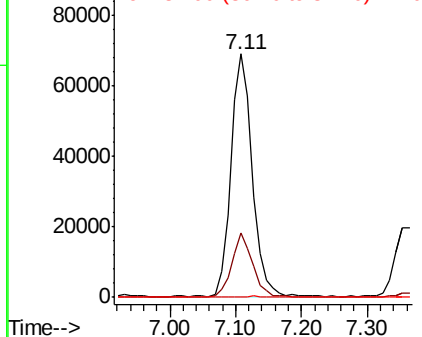
Tot Ion	Ratio	Lower	Upper
43	100		
61	26.3	23.8	35.8
87	0.4	0.6	1.0

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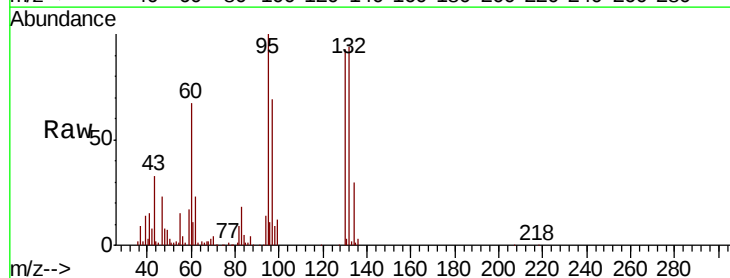
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



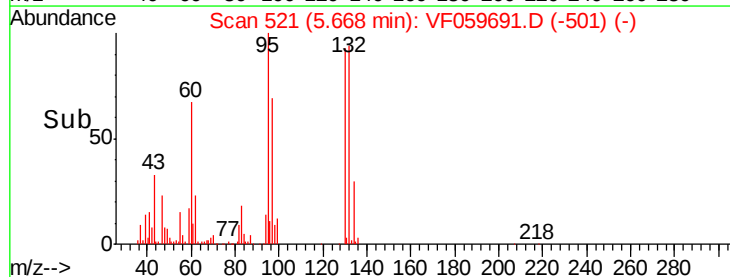
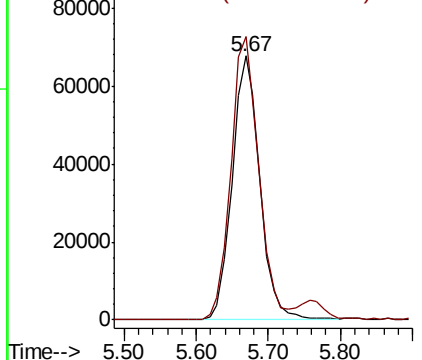
#44

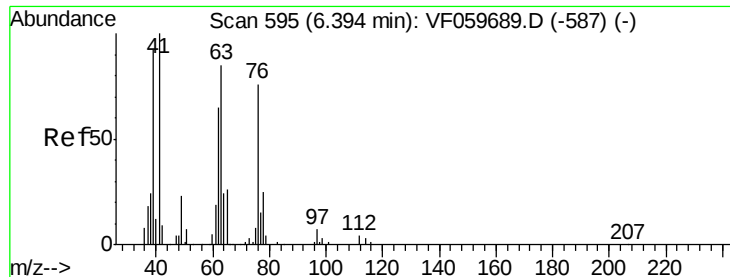
Trichloroethene
 Concen: 87.57 ug/l
 RT: 5.67 min Scan# 521
 Delta R.T. -0.01 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	107.2	0.0	191.0



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 95.36 ug/l

RT: 6.40 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 135710

Ion Ratio Lower Upper

63 100

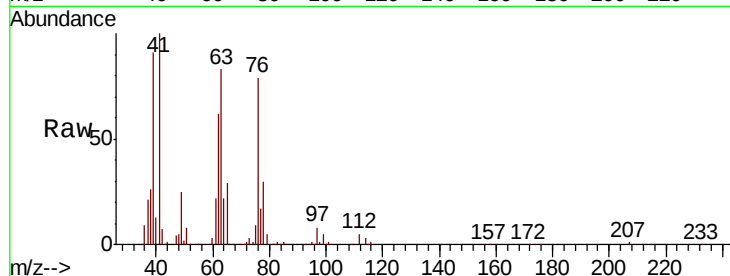
65 34.6 25.2 37.8

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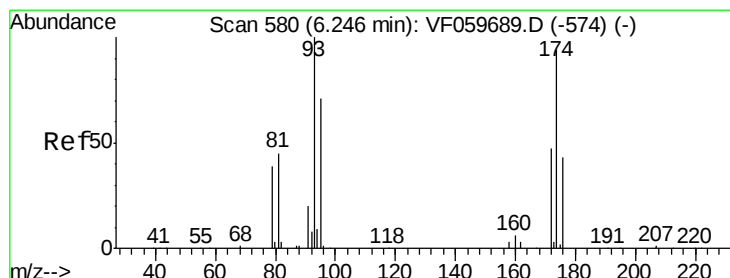
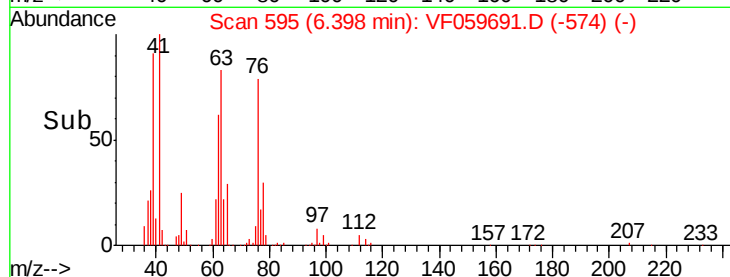
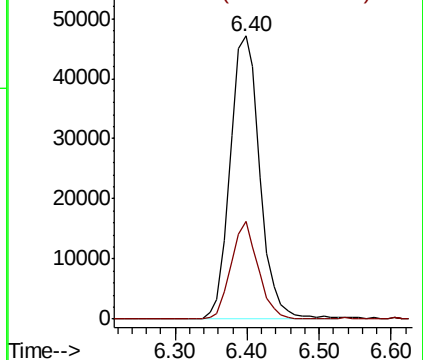
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 102.37 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

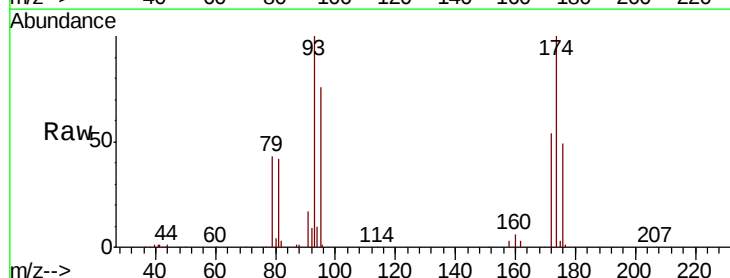
Tgt Ion: 93 Resp: 126508

Ion Ratio Lower Upper

93 100

95 77.4 57.1 85.7

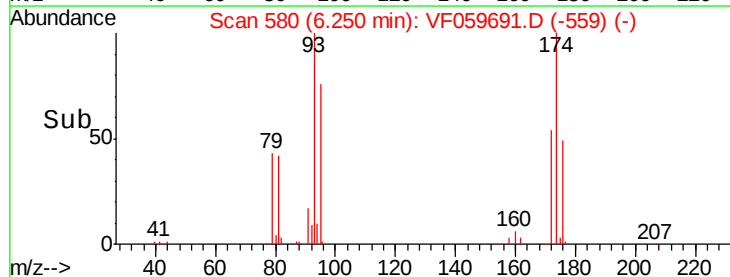
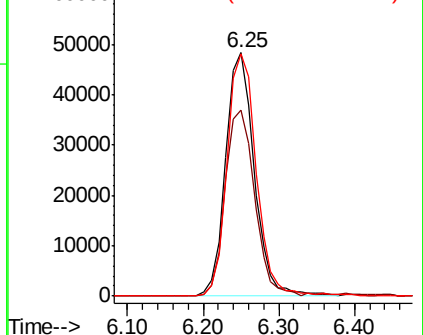
174 99.7 74.8 112.2

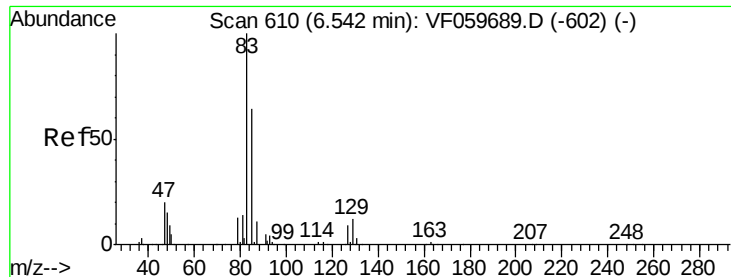


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 97.28 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

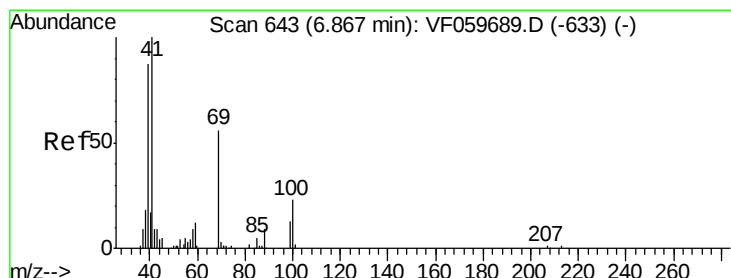
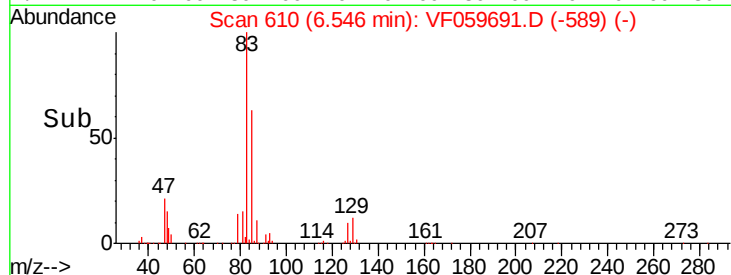
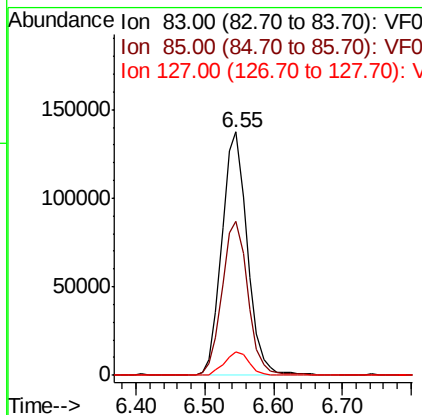
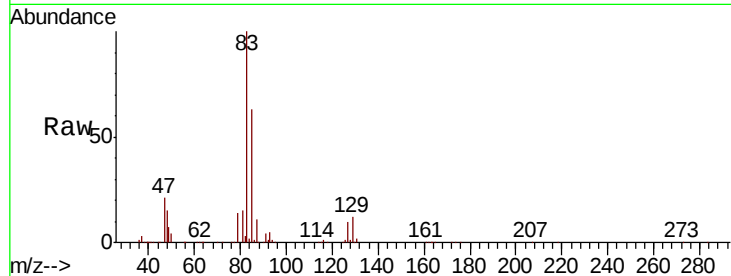
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	352225
Ion Ratio		Lower	Upper
83	100		
85	63.1	51.0	76.6
127	9.6	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 112.72 ug/l

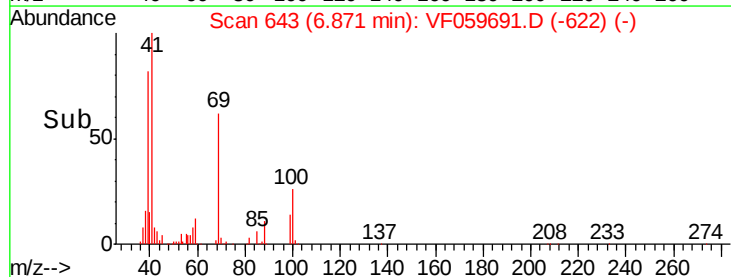
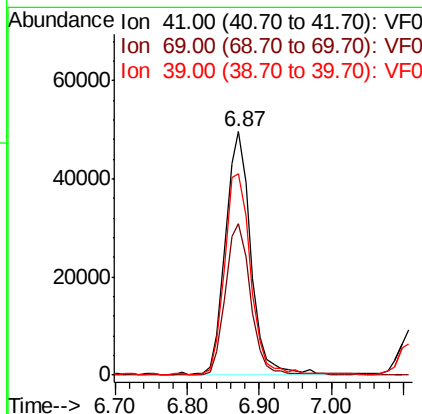
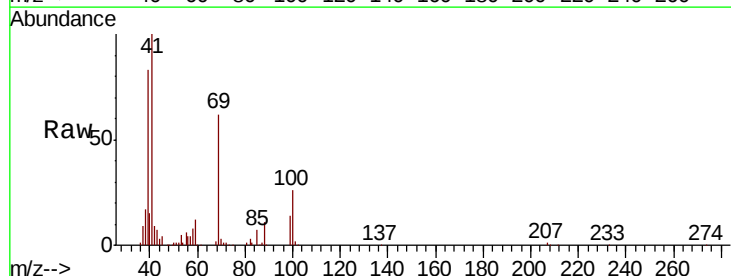
RT: 6.87 min Scan# 643

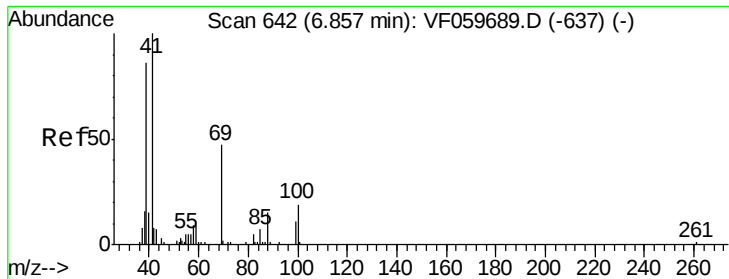
Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Tgt Ion:	41	Resp:	120478
Ion Ratio		Lower	Upper
41	100		
69	62.3	44.4	66.6
39	82.9	69.4	104.2





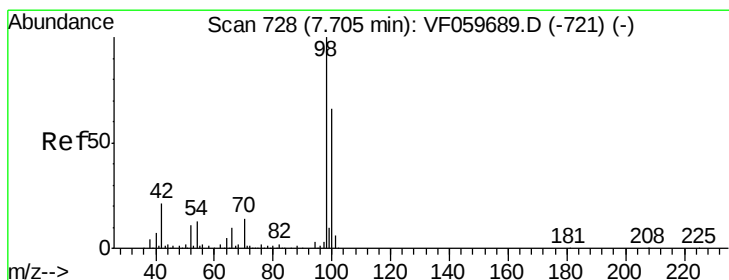
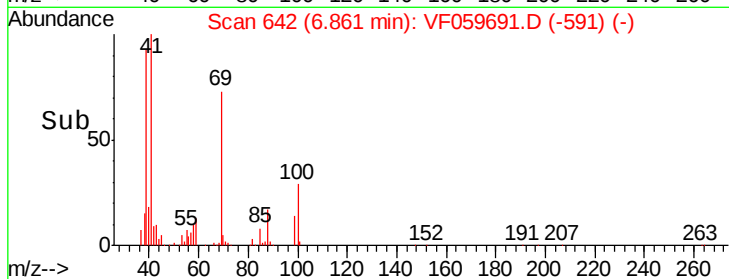
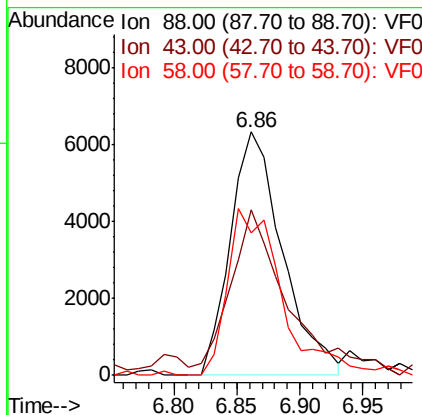
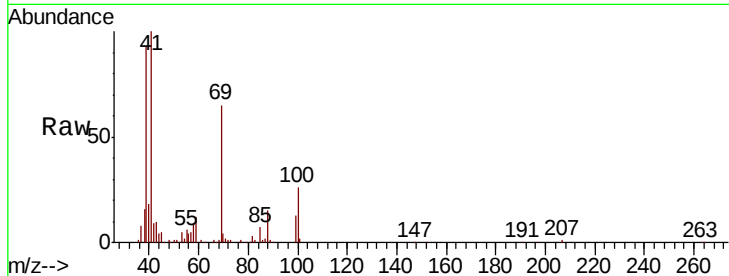
#49
1,4-Dioxane
Concen: 2130.16 ug/l
RT: 6.86 min Scan# 642
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	67.8	45.2	67.8#
58	58.5	49.0	73.6

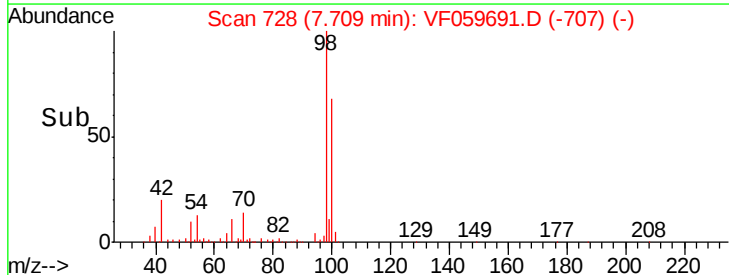
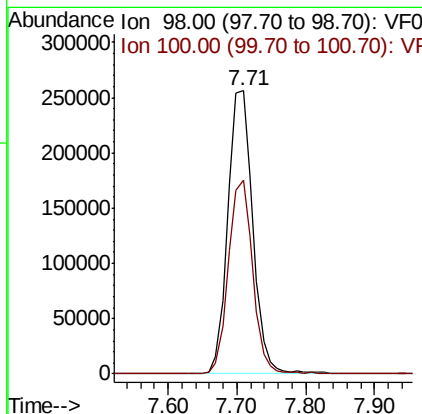
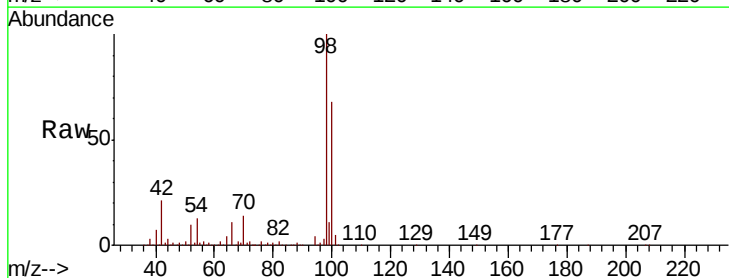
Manual Integrations
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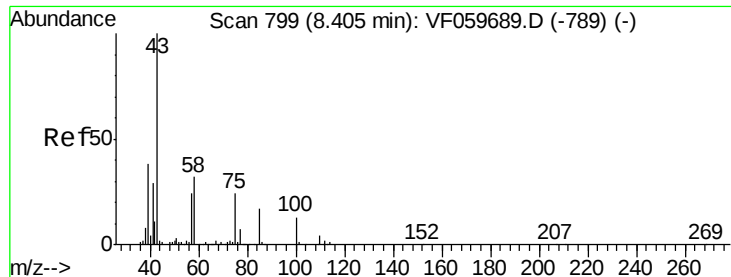
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#50
Toluene-d8
Concen: 100.11 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.4	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 526.43 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 576918

Ion Ratio Lower Upper

43 100

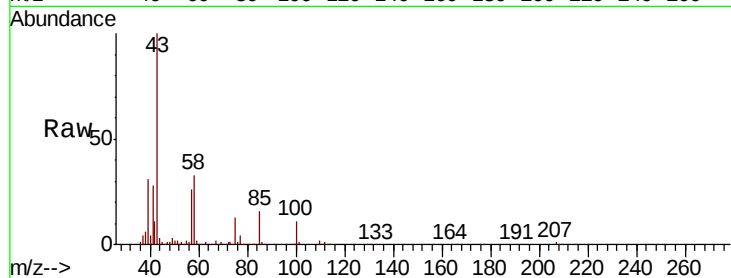
58 32.6 25.9 38.9

Manual Integrations

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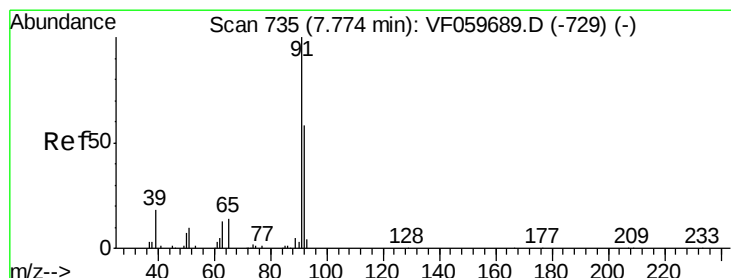
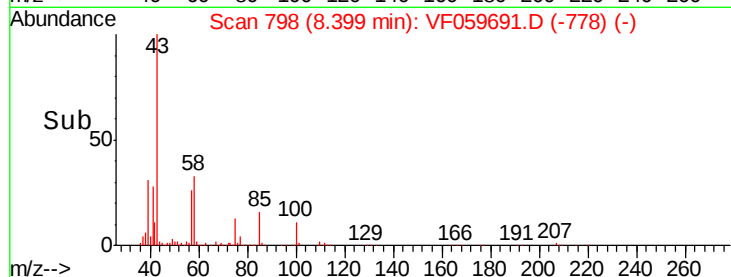
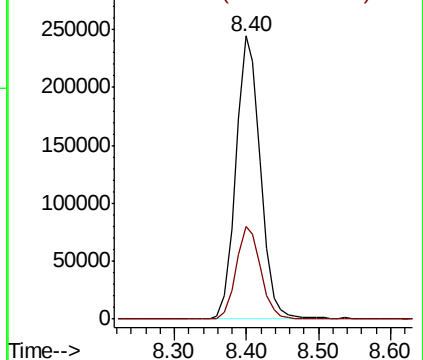
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 88.27 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059691.D

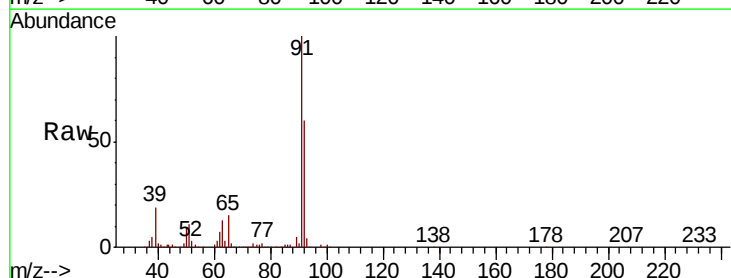
Acq: 30 Jul 2018 16:25

Tgt Ion: 92 Resp: 351130

Ion Ratio Lower Upper

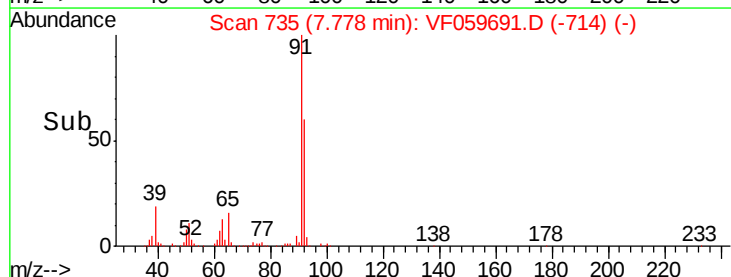
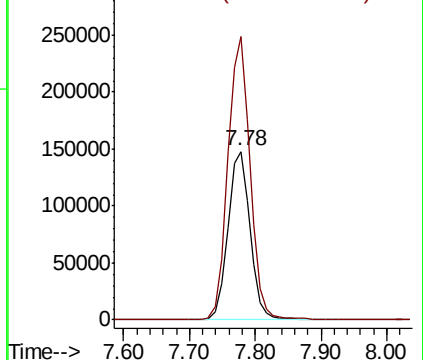
92 100

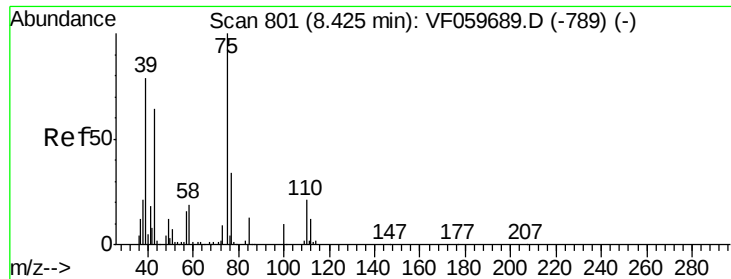
91 168.1 139.0 208.4



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





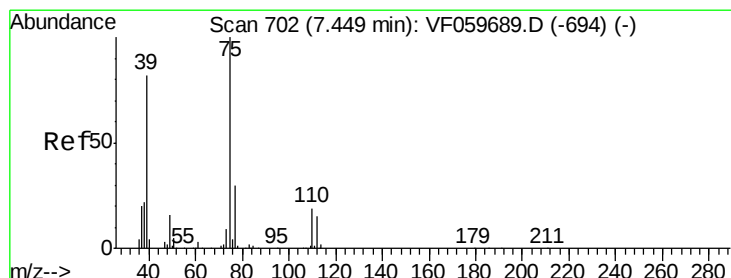
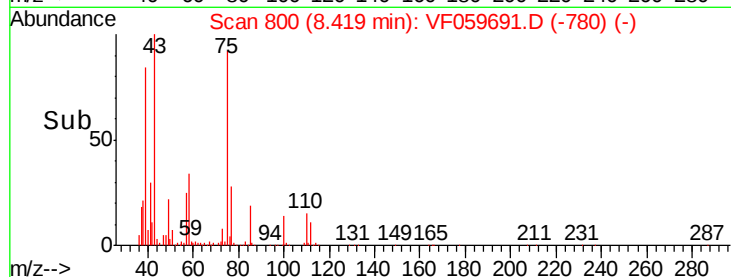
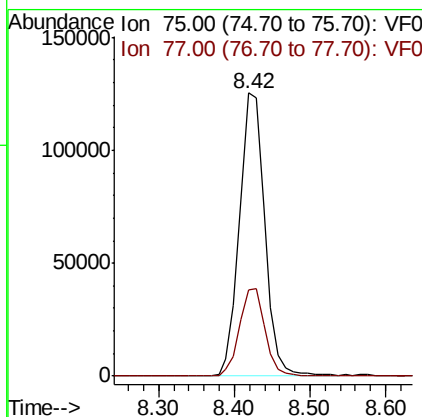
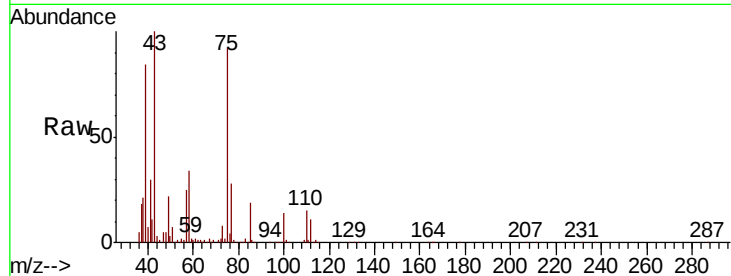
#53
 t-1,3-Dichloropropene
 Concen: 100.13 ug/l
 RT: 8.42 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC100

Tot Ion: 75 Resp: 289984
 Ion Ratio Lower Upper
 75 100
 77 30.4 27.0 40.4

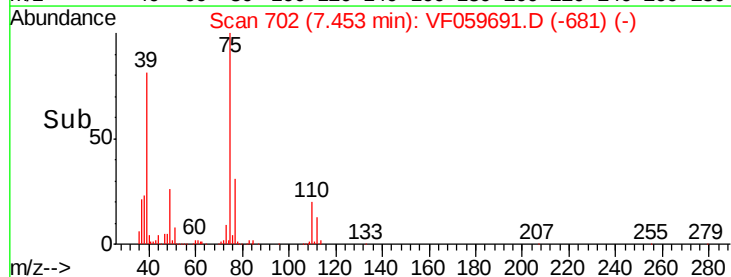
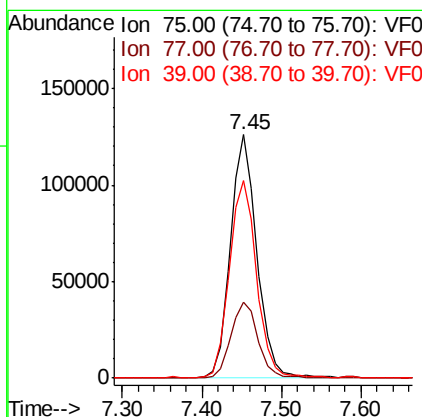
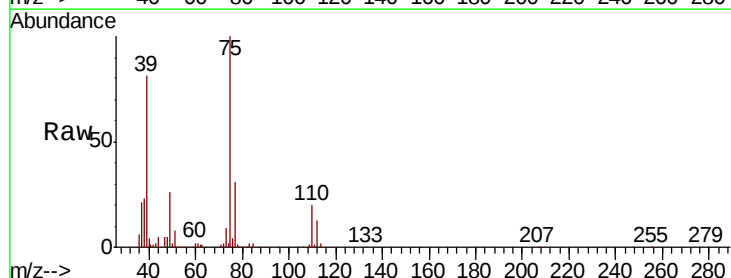
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#54
 cis-1,3-Dichloropropene
 Concen: 97.47 ug/l
 RT: 7.45 min Scan# 702
 Delta R.T. 0.00 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Tgt Ion: 75 Resp: 292905
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.0 36.0
 39 81.3 65.4 98.2





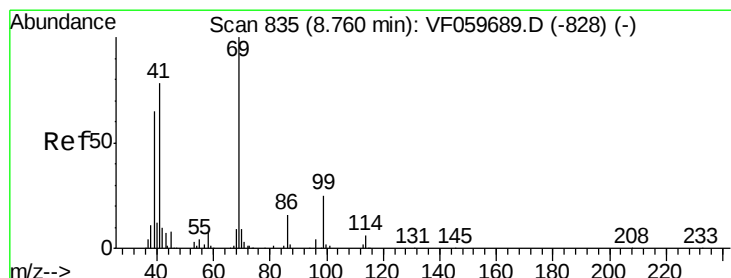
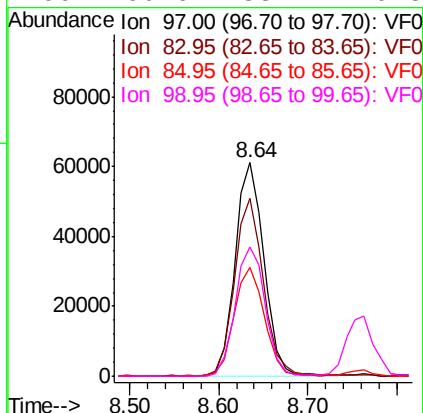
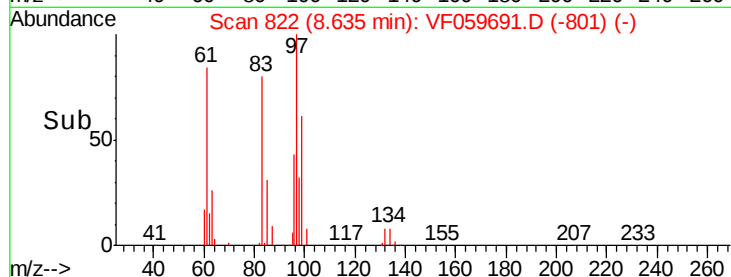
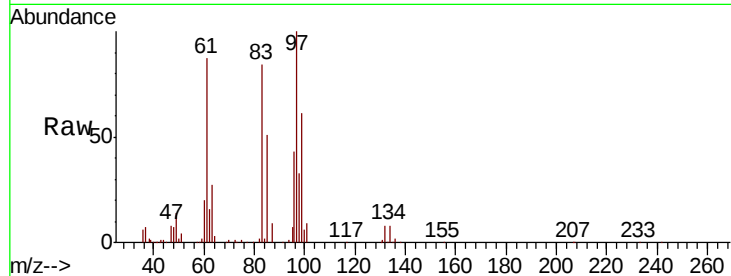
#55
 1,1,2-Trichloroethane
 Concen: 104.23 ug/l
 RT: 8.64 min Scan# 822
 Delta R.T. 0.00 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	137705
Ion	Ratio	Lower	Upper
97	100		
83	83.6	66.6	100.0
85	50.8	47.4	71.0
99	60.6	53.2	79.8

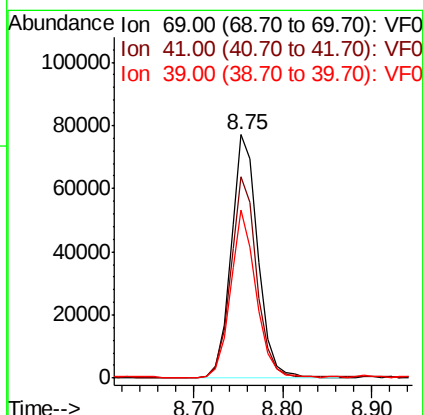
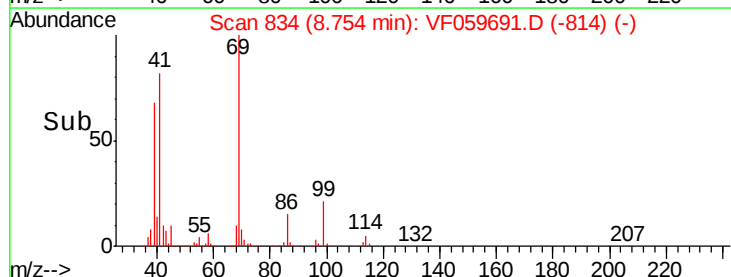
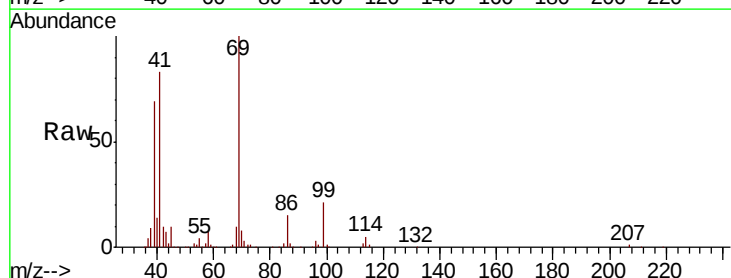
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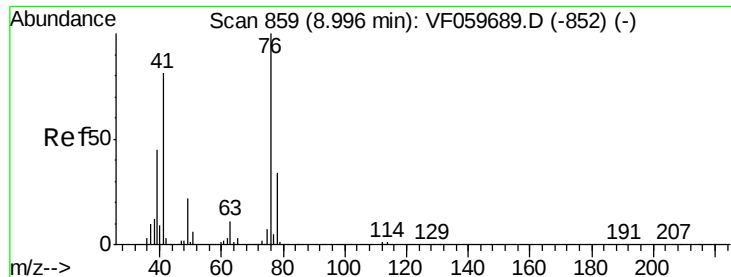
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#56
 Ethyl methacrylate
 Concen: 115.21 ug/l
 RT: 8.75 min Scan# 834
 Delta R.T. -0.01 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Tgt Ion:	69	Resp:	161356
Ion	Ratio	Lower	Upper
69	100		
41	82.7	62.3	93.5
39	69.0	52.4	78.6





#57

1,3-Dichloropropane

Concen: 104.01 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 237624

Ion Ratio Lower Upper

76 100

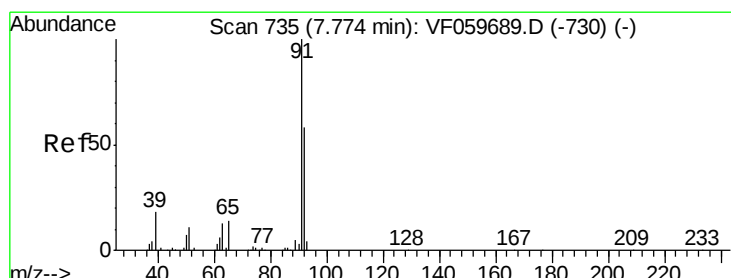
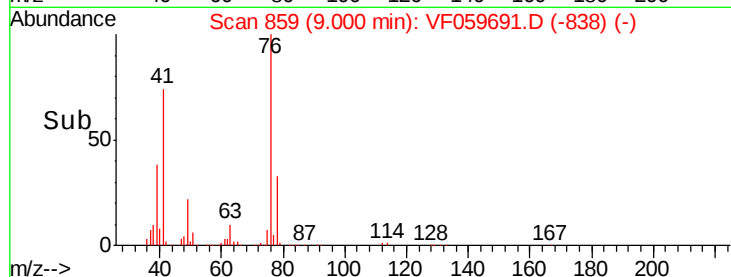
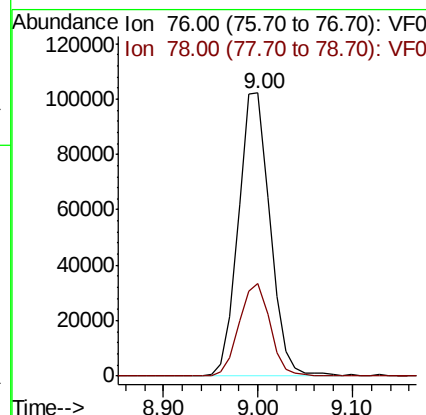
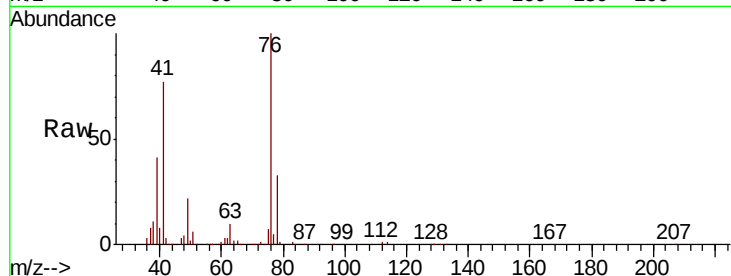
78 32.7 27.2 40.8

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 470.48 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059691.D

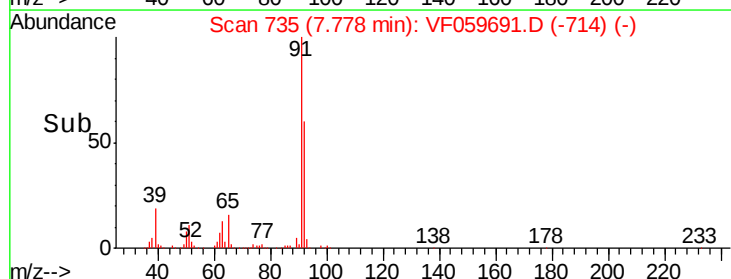
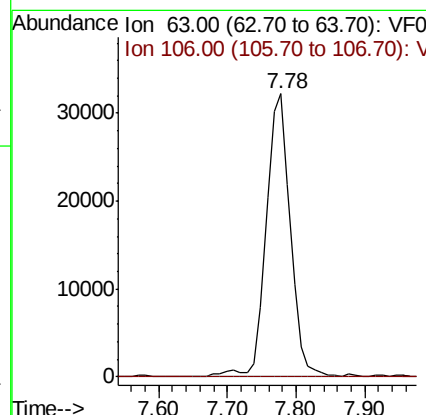
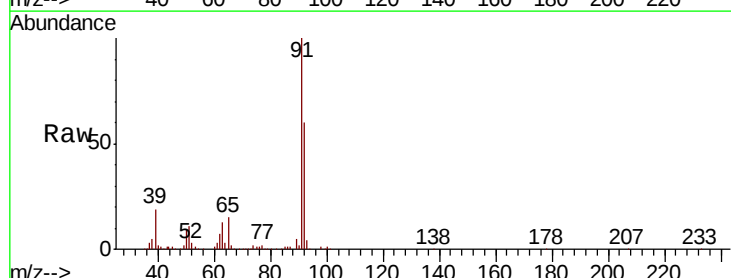
Acq: 30 Jul 2018 16:25

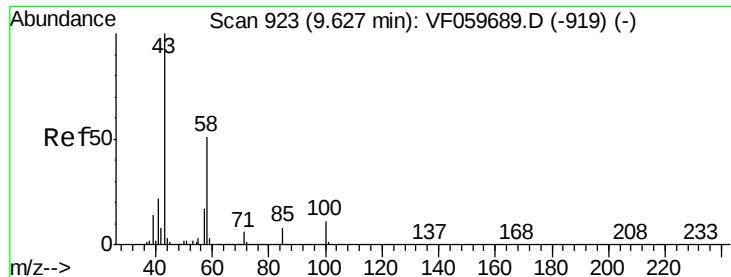
Tgt Ion: 63 Resp: 79561

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





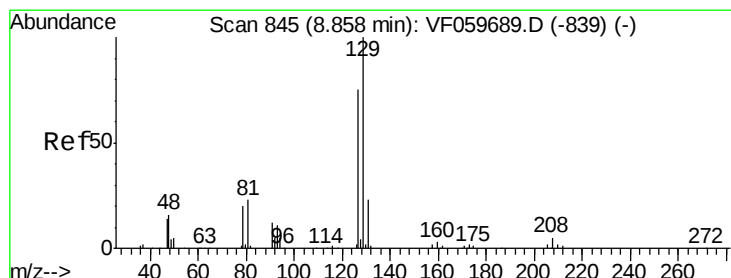
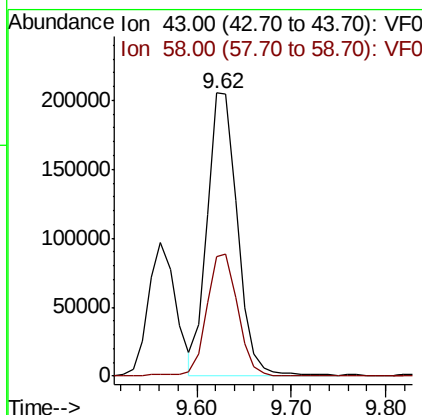
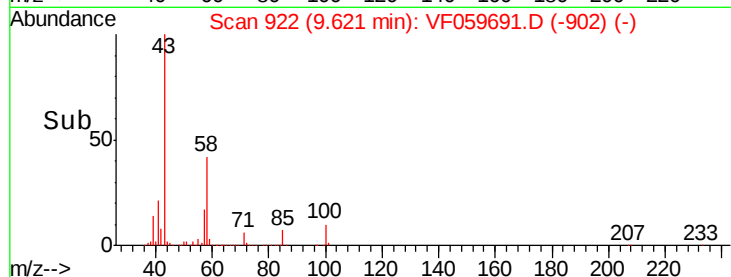
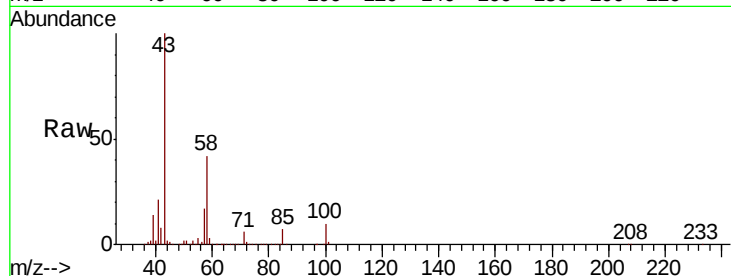
#59
2-Hexanone
Concen: 558.77 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 454232
Ion Ratio Lower Upper
43 100
58 42.3 23.3 69.8

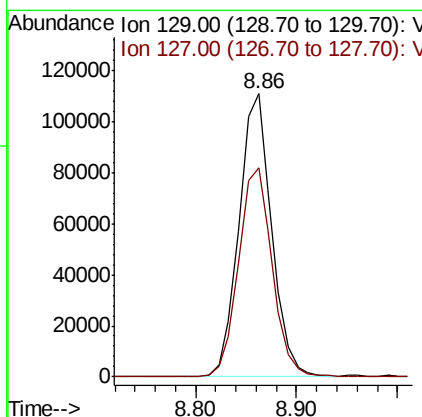
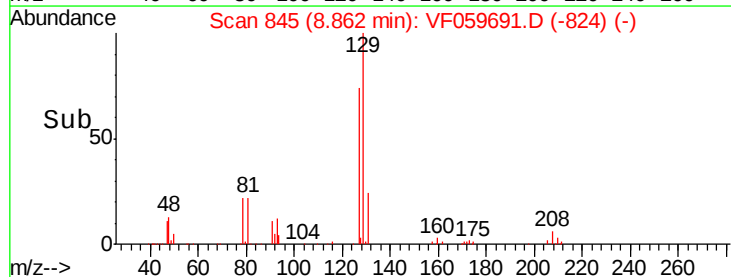
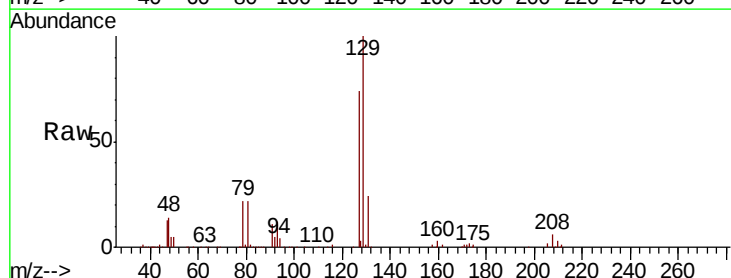
Manual Integrations
APPROVED

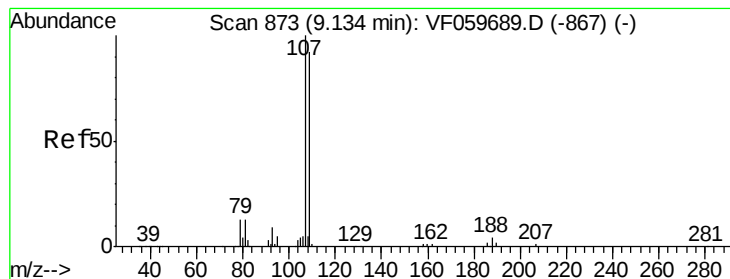
apatel
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#60
Dibromochloromethane
Concen: 104.76 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion:129 Resp: 249683
Ion Ratio Lower Upper
129 100
127 73.7 37.7 113.1





#61

1,2-Dibromoethane

Concen: 106.14 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:107 Resp: 169579

Ion Ratio Lower Upper

107 100

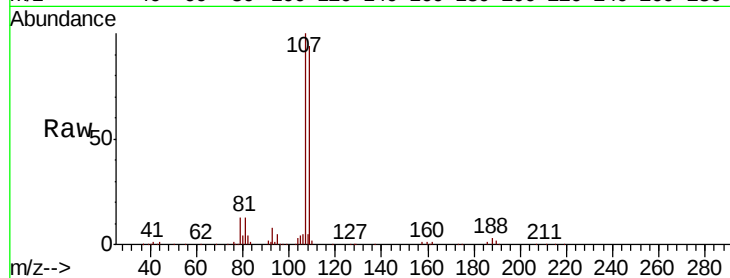
109 94.2 73.6 110.4

Manual Integrations

APPROVED

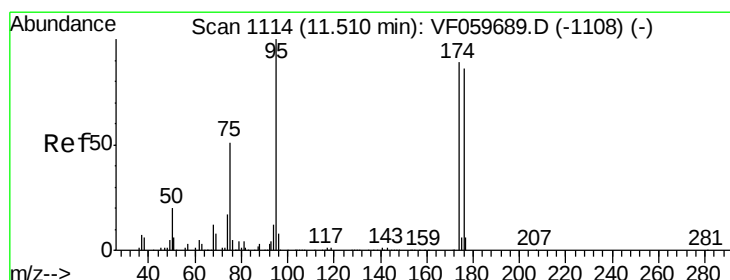
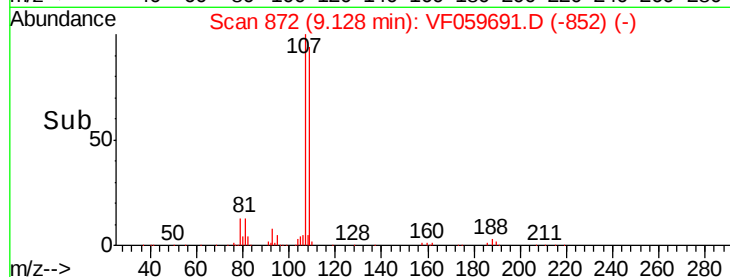
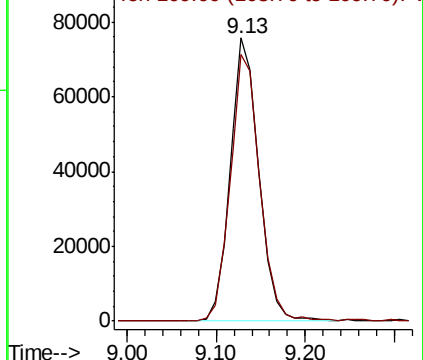
apatel

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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: 97.62 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

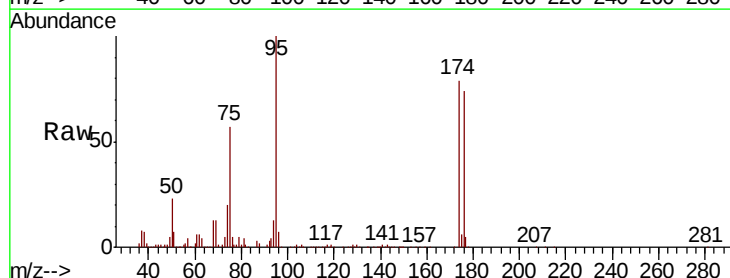
Tgt Ion: 95 Resp: 339751

Ion Ratio Lower Upper

95 100

174 79.0 0.0 178.4

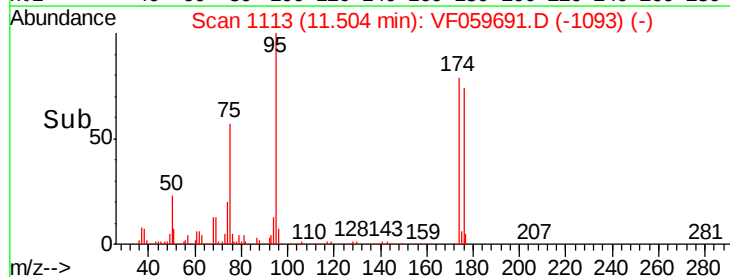
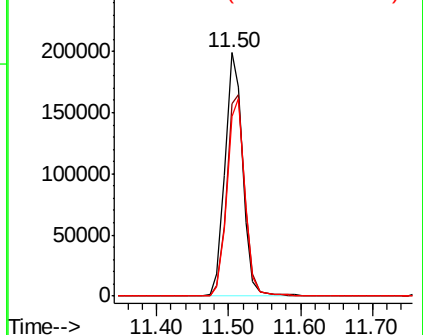
176 74.0 0.0 173.0

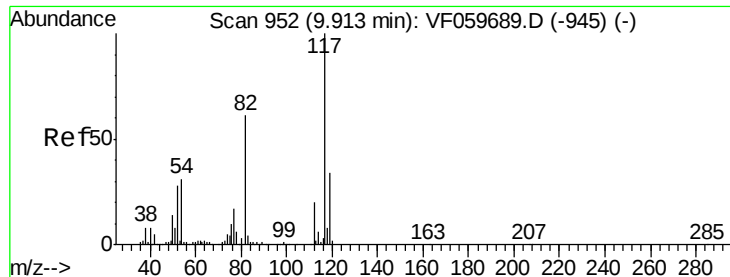


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





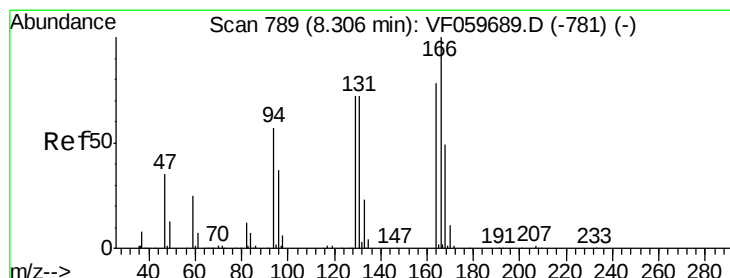
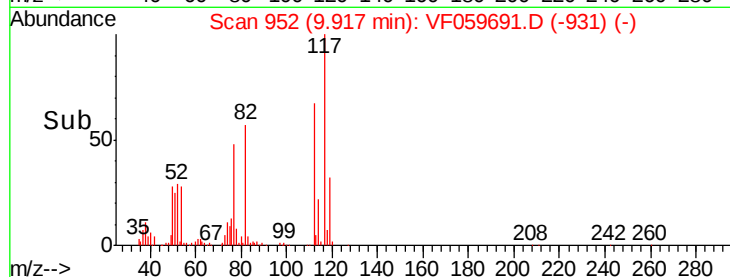
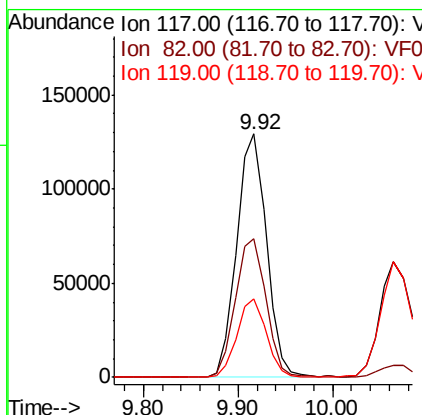
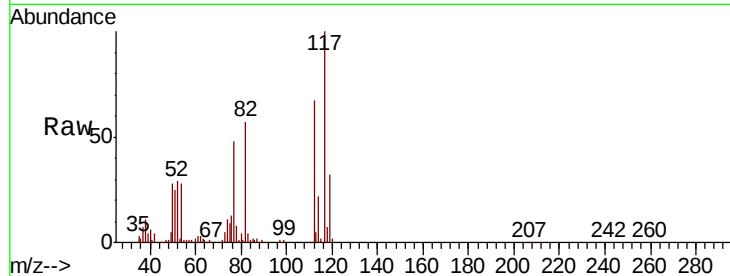
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	49.0	73.4
119	32.1	27.3	40.9

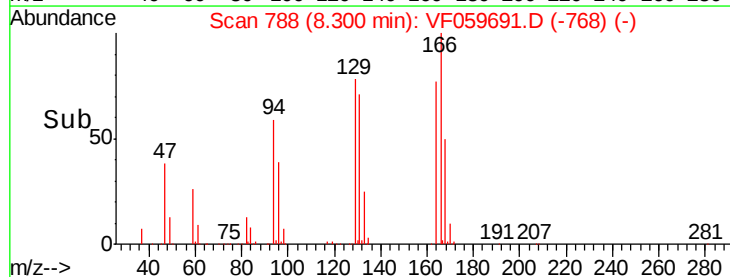
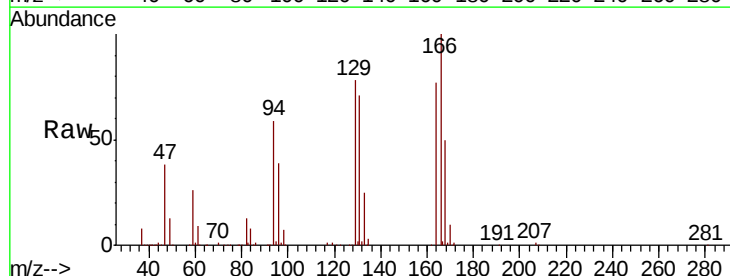
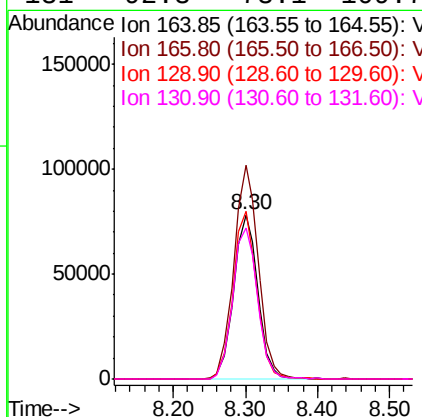
Manual Integrations
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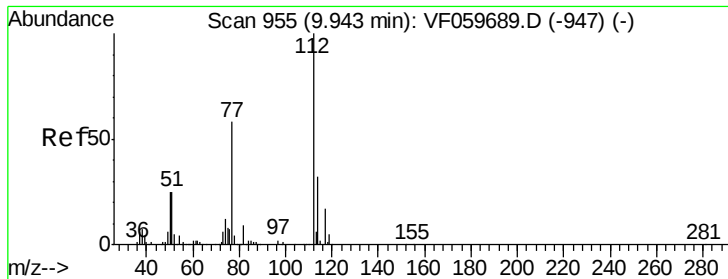
apatel
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#64
Tetrachloroethene
Concen: 81.00 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	102.1	153.1
129	102.0	73.8	110.6
131	92.3	73.1	109.7





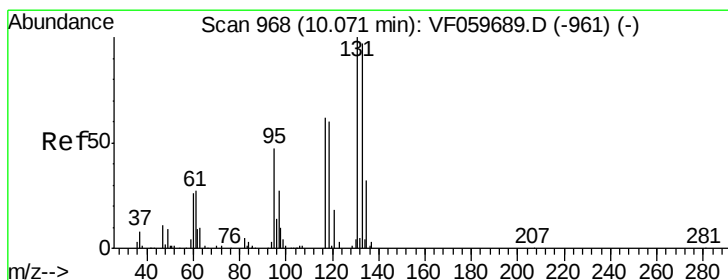
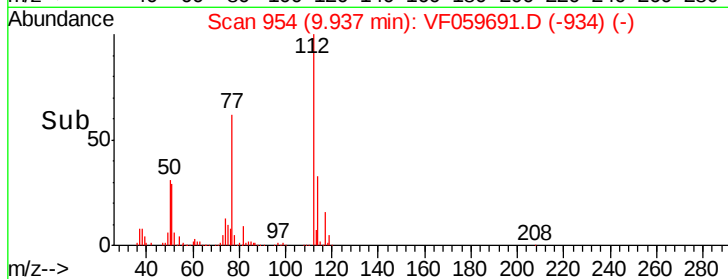
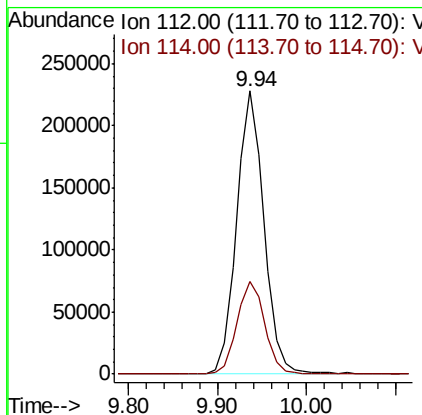
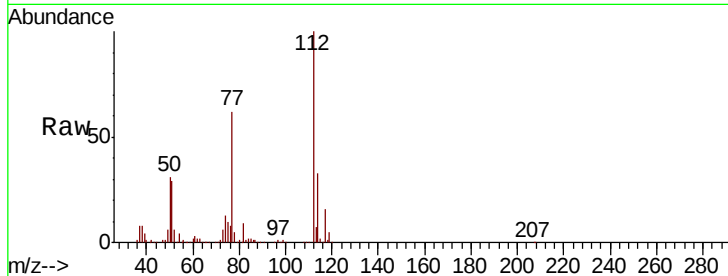
#65
Chlorobenzene
Concen: 88.28 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.6	38.4

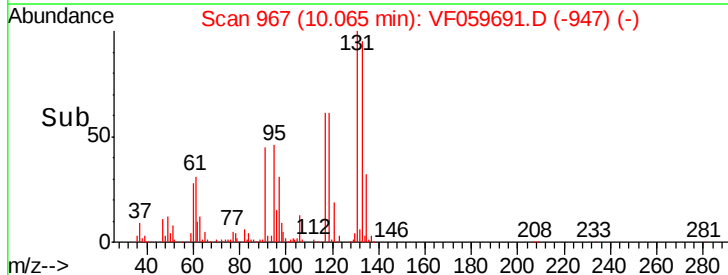
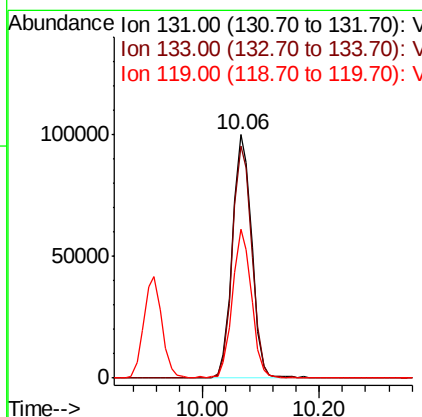
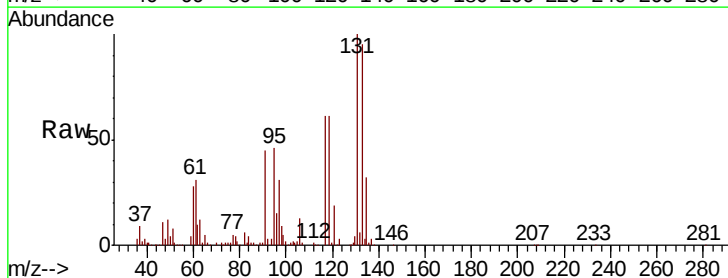
Manual Integrations
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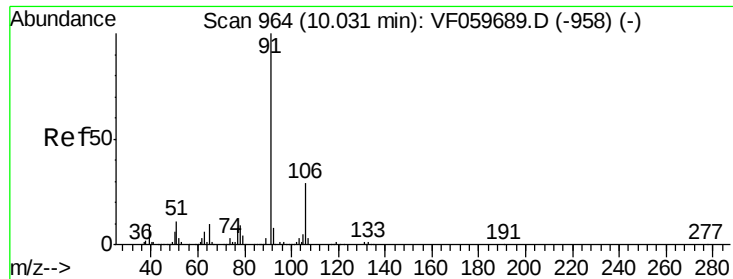
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#66
1,1,1,2-Tetrachloroethane
Concen: 91.00 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.5	48.5	145.5
119	61.4	30.3	90.8





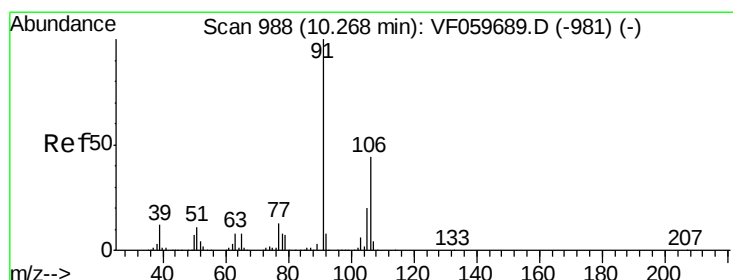
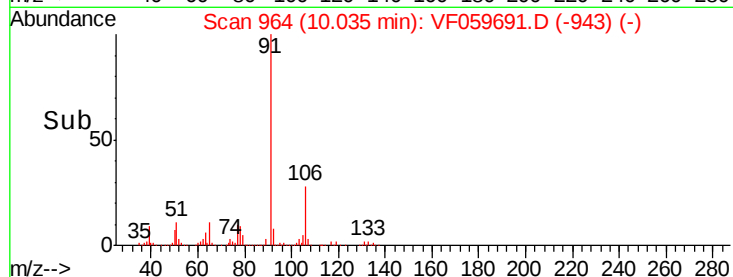
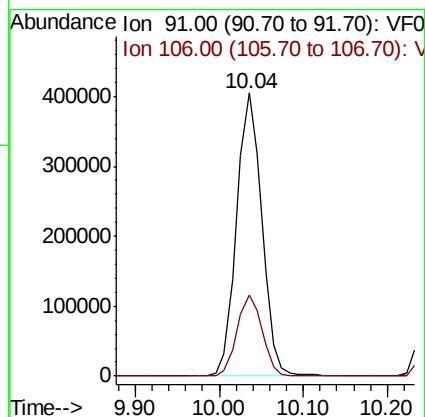
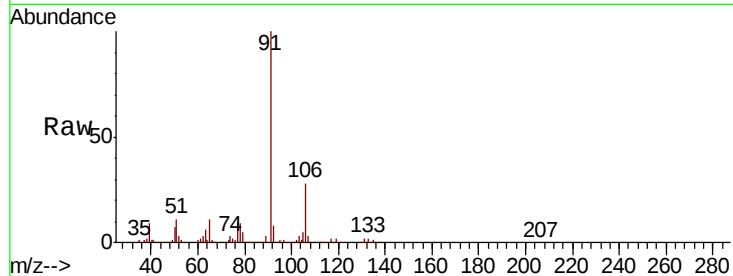
#67
Ethyl Benzene
Concen: 84.79 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 847941
Ion Ratio Lower Upper
91 100
106 28.5 22.9 34.3

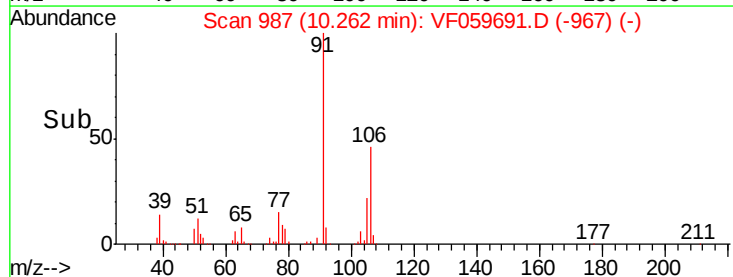
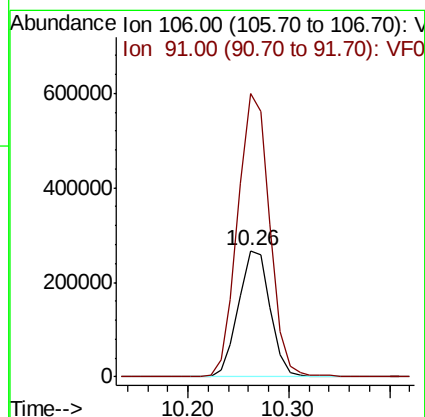
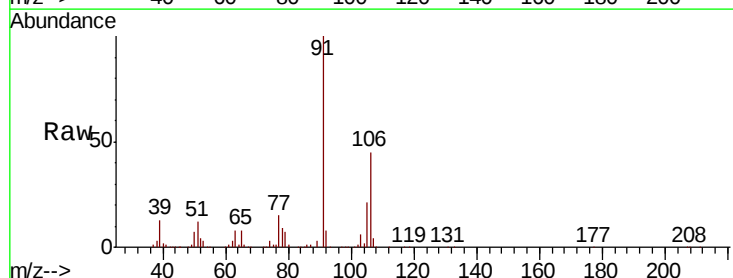
Manual Integrations
APPROVED

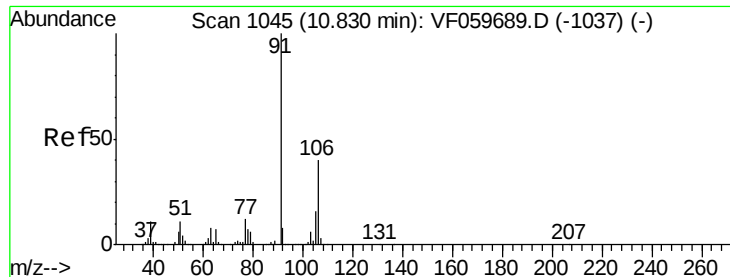
apatel
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#68
m/p-Xylenes
Concen: 169.98 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion: 106 Resp: 588290
Ion Ratio Lower Upper
106 100
91 224.6 181.7 272.5





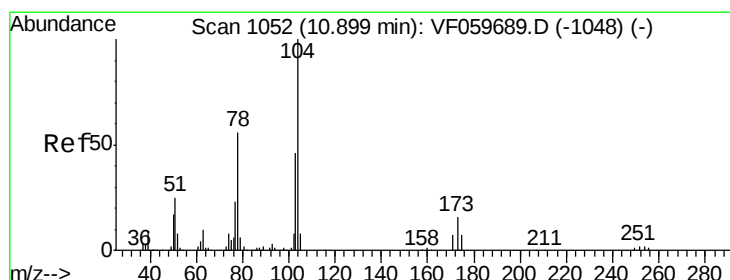
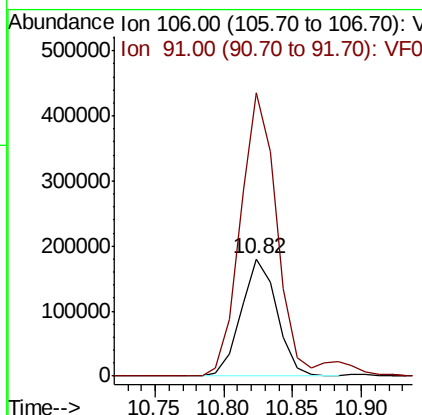
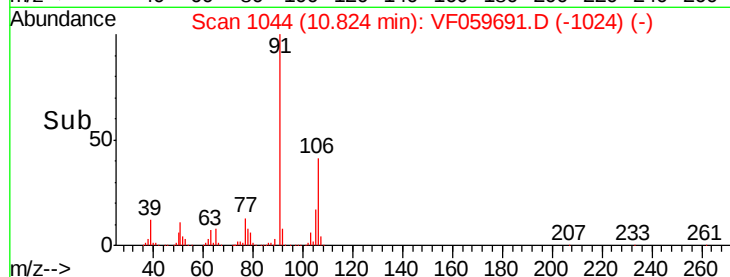
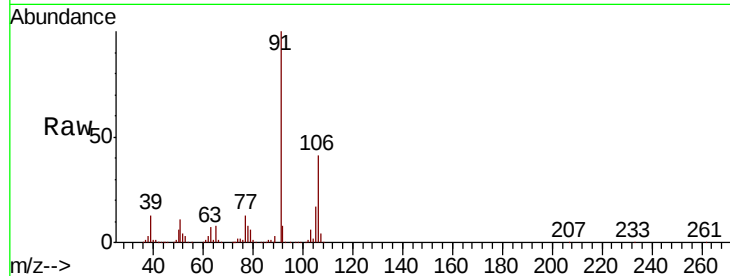
#69
o-Xylene
Concen: 87.72 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 327873
Ion Ratio Lower Upper
106 100
91 241.6 124.6 373.7

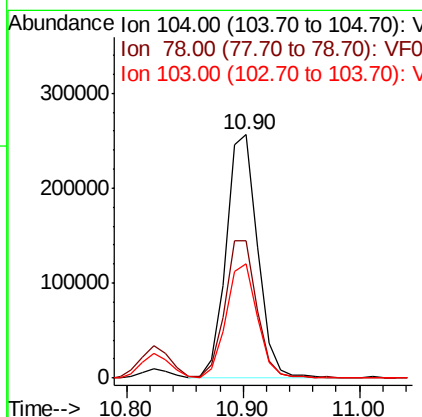
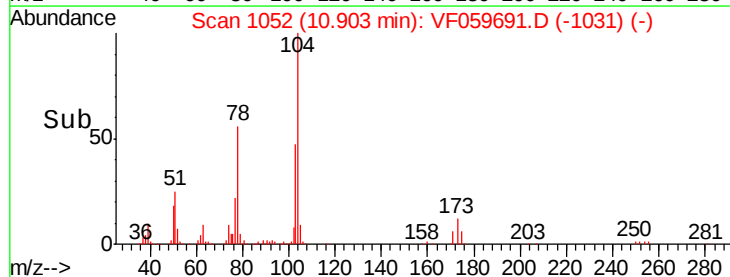
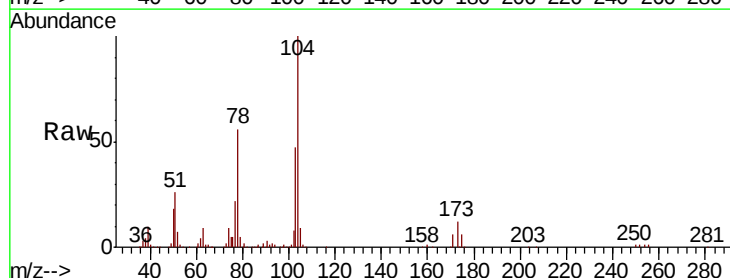
Manual Integrations
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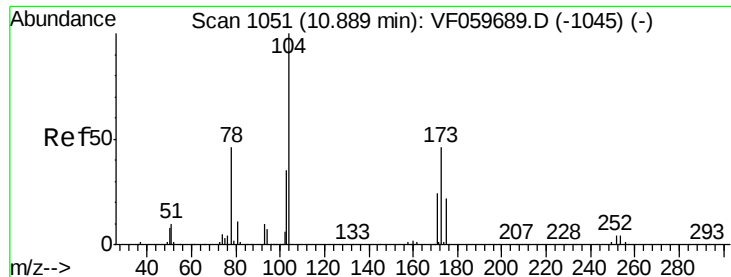
apatel
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#70
Styrene
Concen: 87.75 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion:104 Resp: 476992
Ion Ratio Lower Upper
104 100
78 56.2 45.3 67.9
103 46.9 36.6 54.8





#71

Bromoform

Concen: 102.01 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 159659

Ion Ratio Lower Upper

173 100

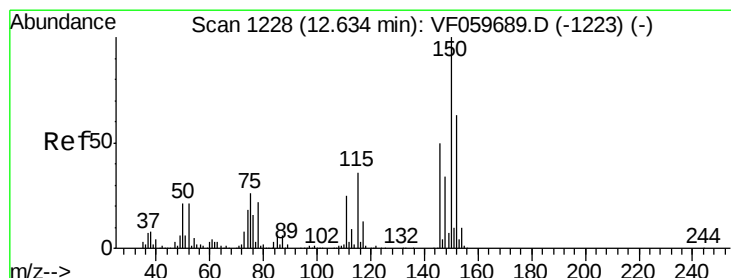
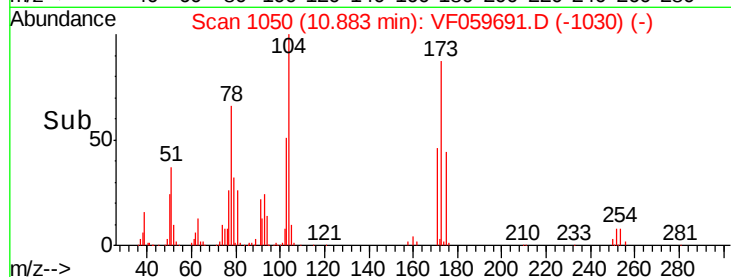
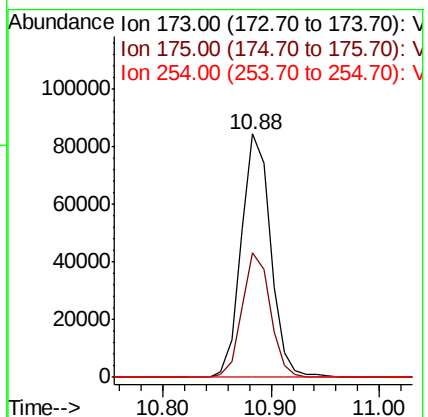
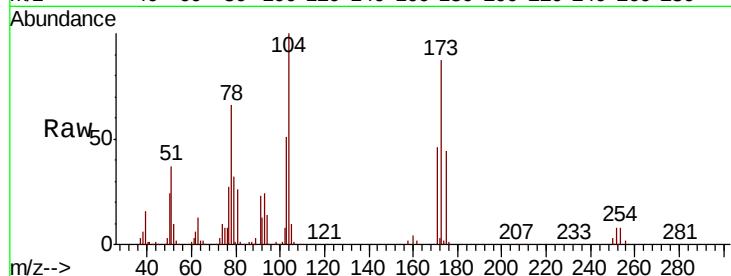
175 51.1 23.4 70.0

254 0.0 0.0 0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

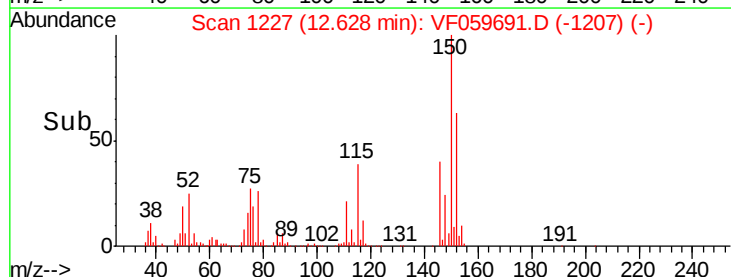
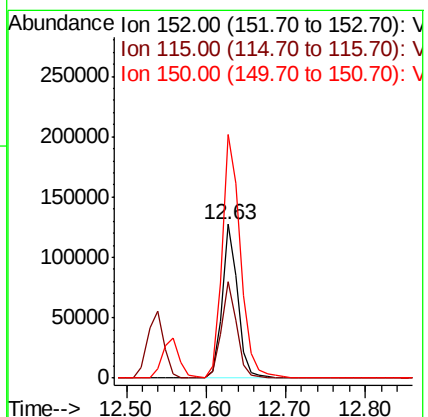
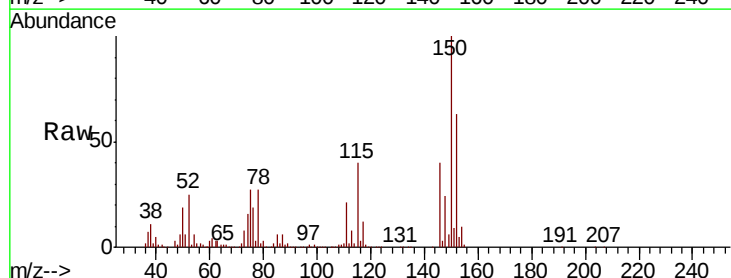
Tgt Ion:152 Resp: 176744

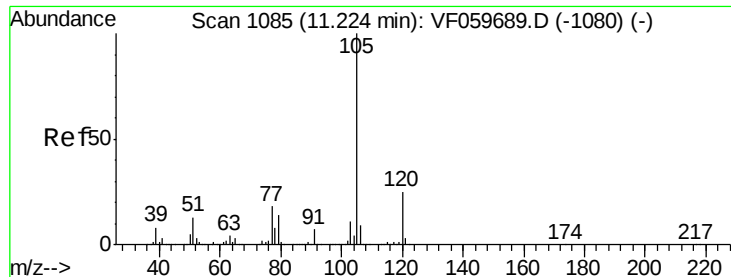
Ion Ratio Lower Upper

152 100

115 62.5 28.2 84.6

150 158.2 0.0 316.2





#73

Isopropylbenzene

Concen: 85.95 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1036930

Ion Ratio Lower Upper

105 100

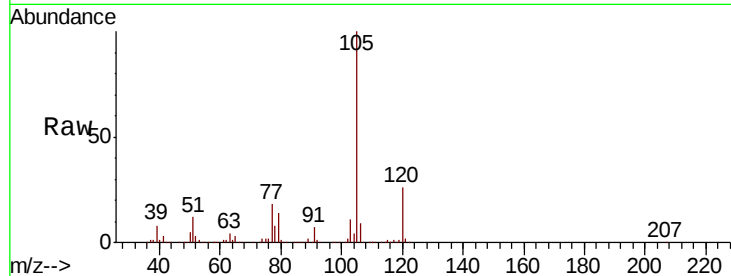
120 25.9 12.4 37.4

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

11.23

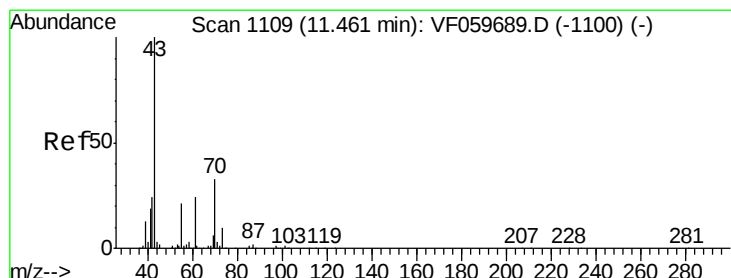
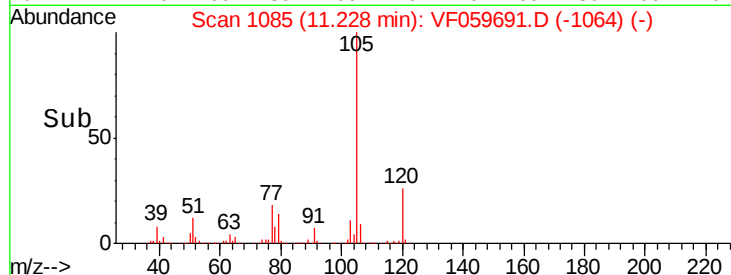
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 111.88 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Tgt Ion: 43 Resp: 276623

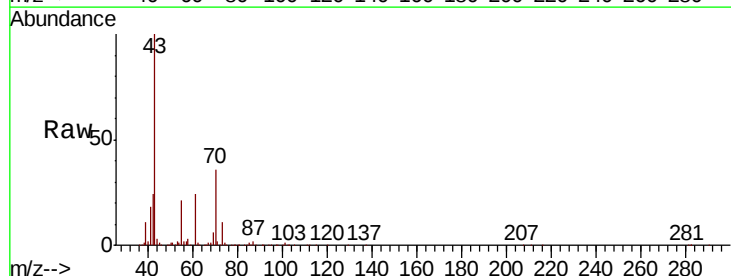
Ion Ratio Lower Upper

43 100

70 36.1 26.3 39.5

55 21.0 16.6 25.0

61 24.2 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

250000

200000

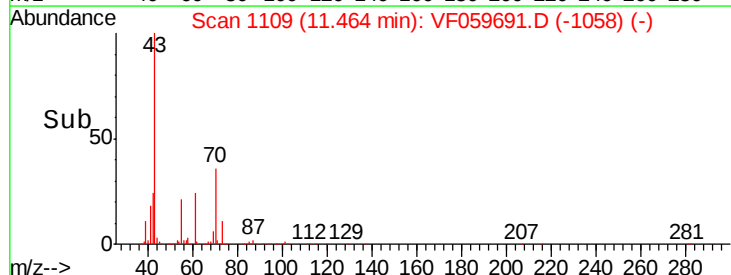
150000

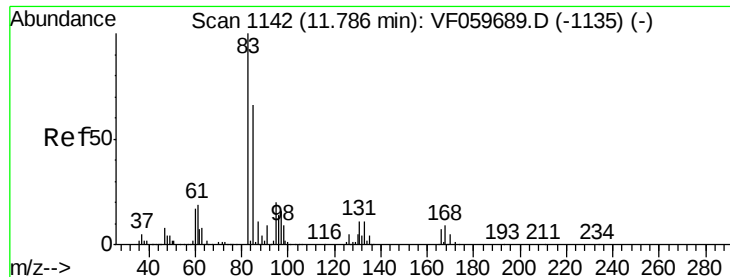
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 101.52 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

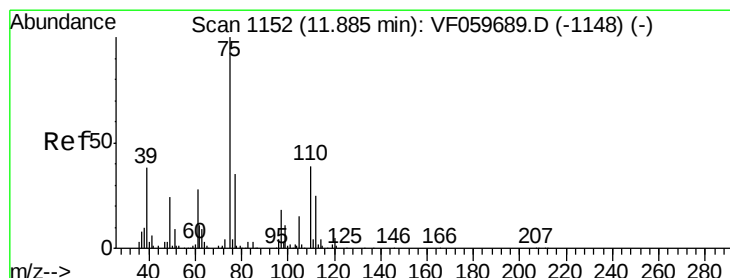
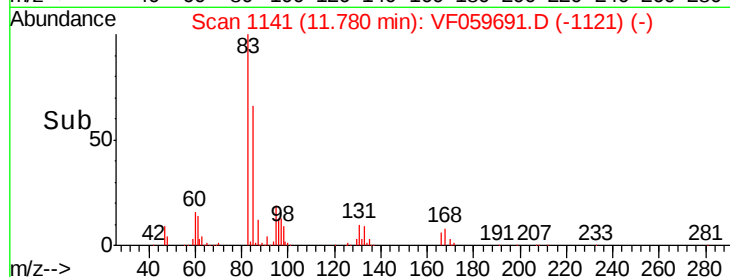
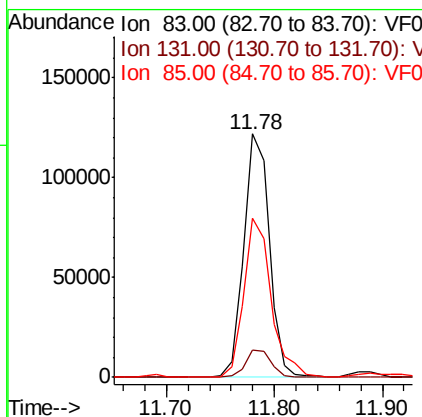
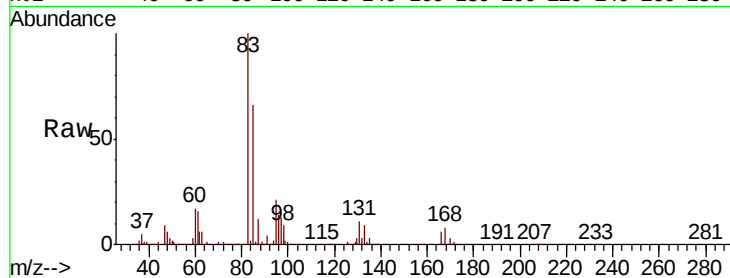
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	201123
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.8	17.3
85	65.5	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 101.36 ug/l

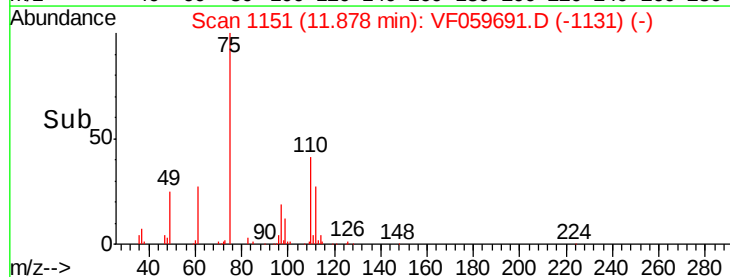
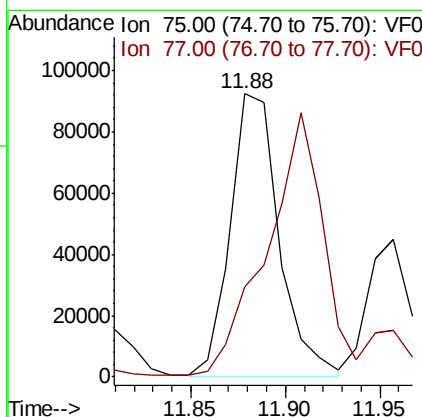
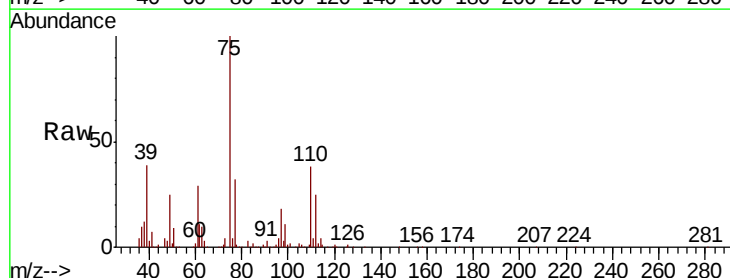
RT: 11.88 min Scan# 1151

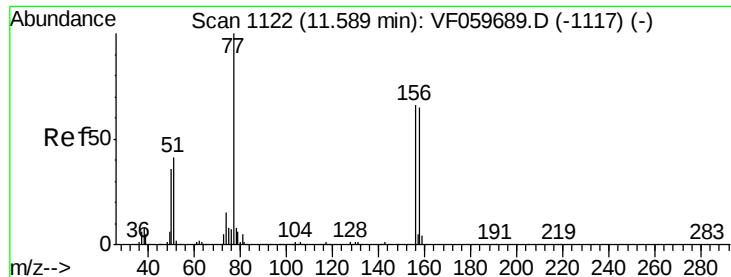
Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Tgt Ion:	75	Resp:	164923
Ion Ratio	Lower	Upper	
75	100		
77	31.7	18.0	54.0





#77

Bromobenzene

Concen: 92.31 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

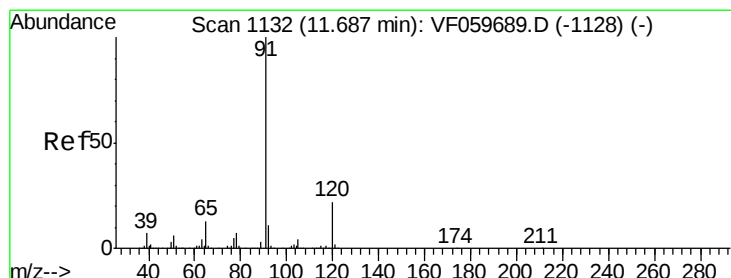
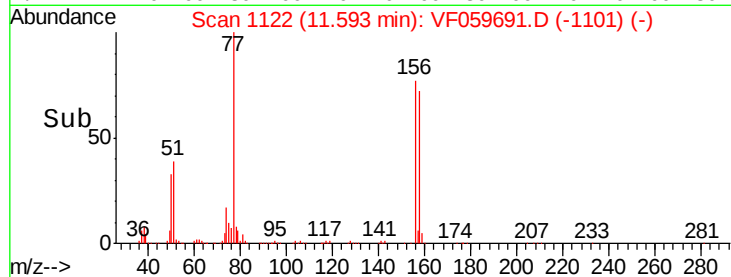
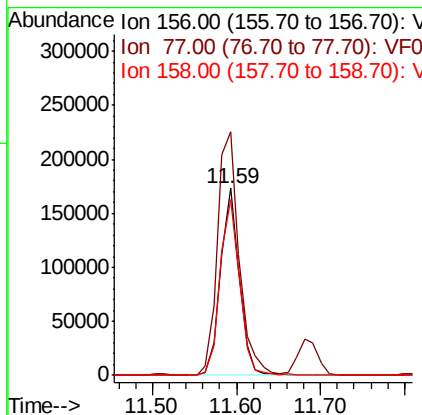
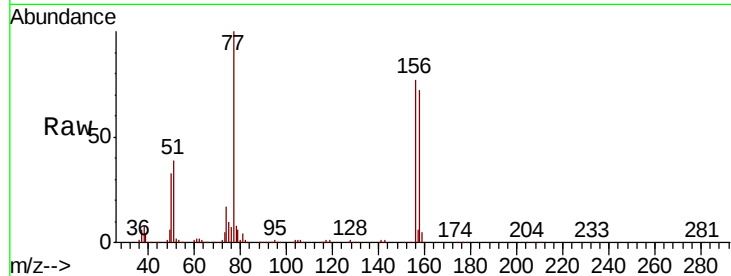
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	130.4	75.2	225.6
158	94.0	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 83.23 ug/l

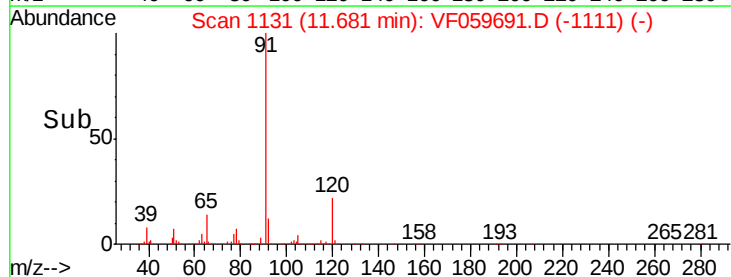
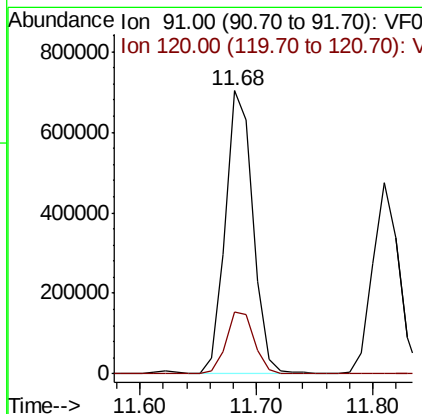
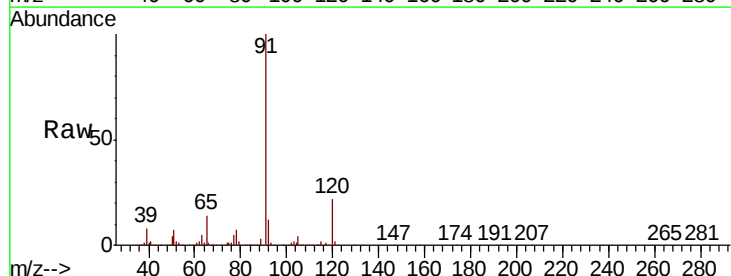
RT: 11.68 min Scan# 1131

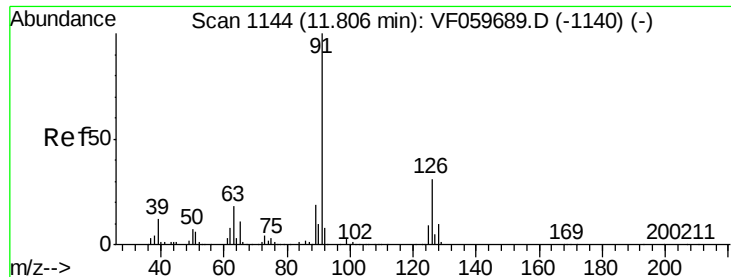
Delta R.T. -0.01 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.0	33.0





#79

2-Chlorotoluene

Concen: 86.96 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 735597

Ion Ratio Lower Upper

91 100

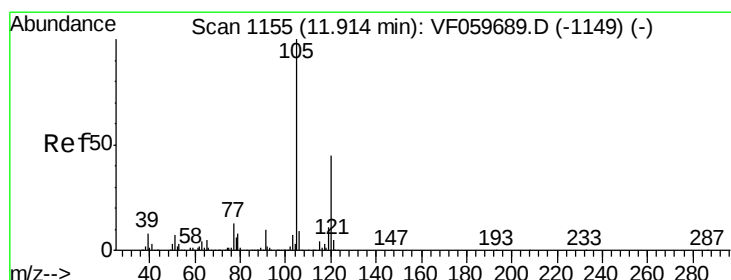
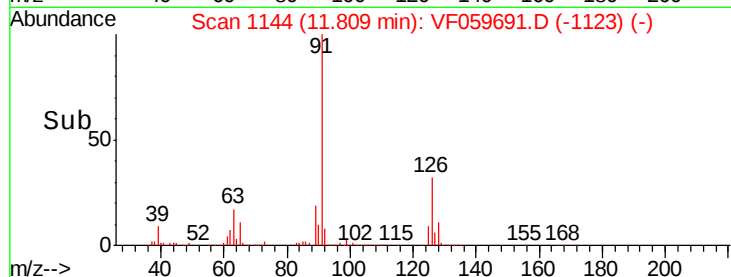
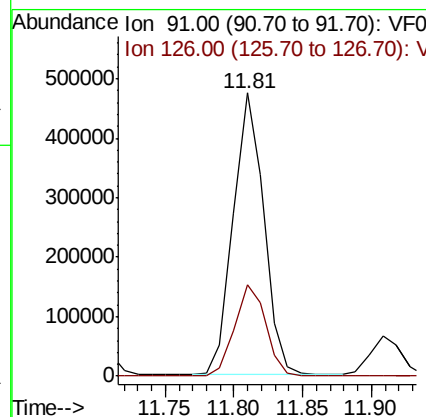
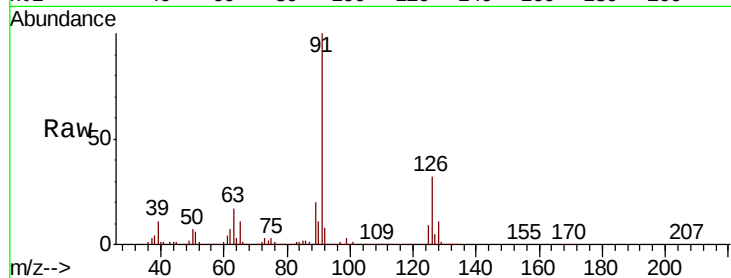
126 32.1 15.4 46.2

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#80

1,3,5-Trimethylbenzene

Concen: 85.28 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059691.D

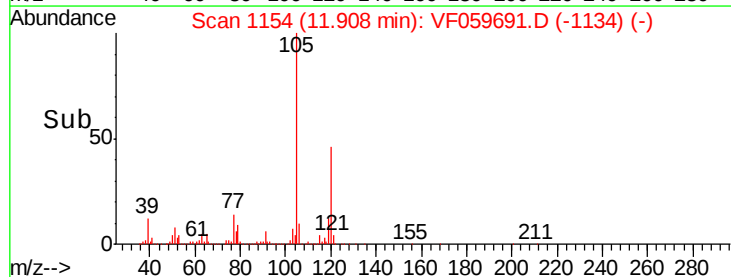
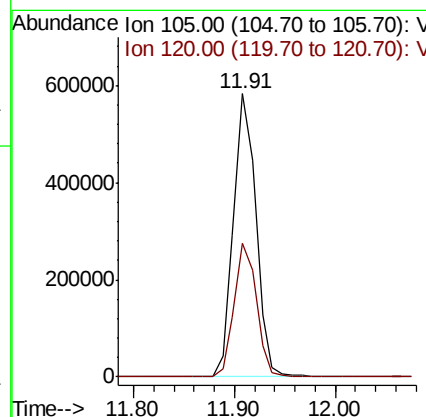
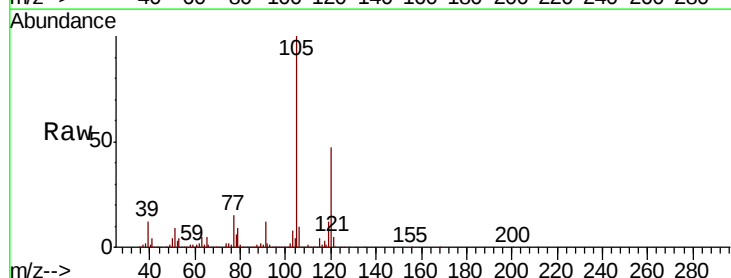
Acq: 30 Jul 2018 16:25

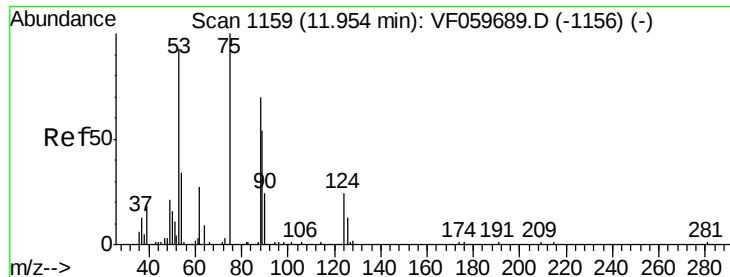
Tgt Ion:105 Resp: 903065

Ion Ratio Lower Upper

105 100

120 47.2 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 89.86 ug/l m

RT: 11.96 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

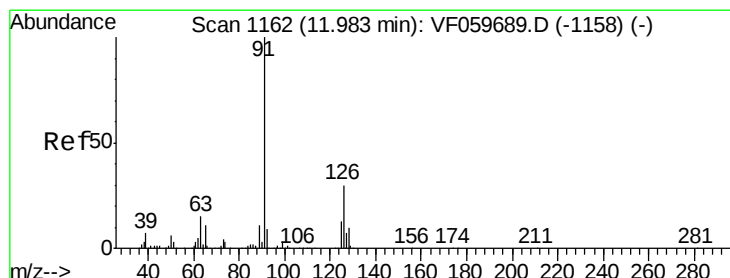
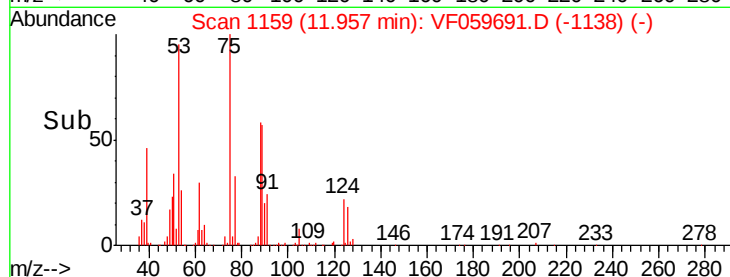
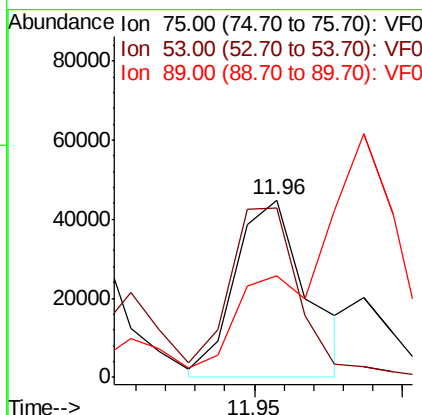
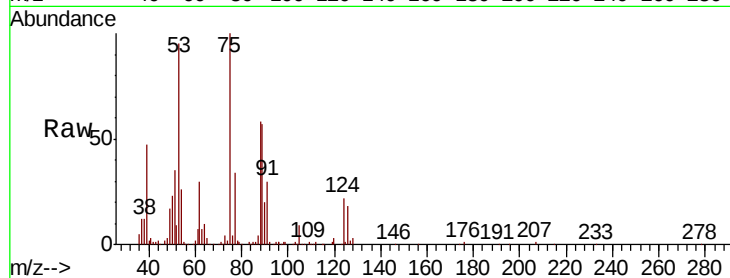
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	75917
Ion	Ratio	Lower	Upper
75	100		
53	95.2	78.3	117.5
89	57.0	45.4	68.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 86.74 ug/l

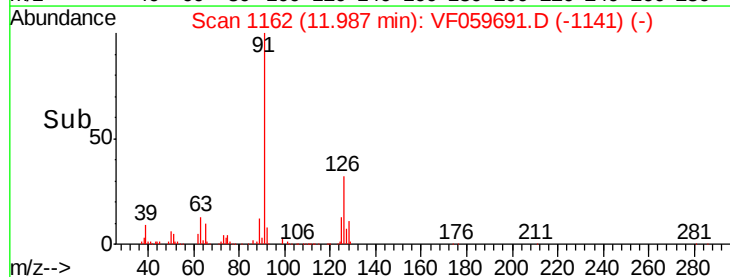
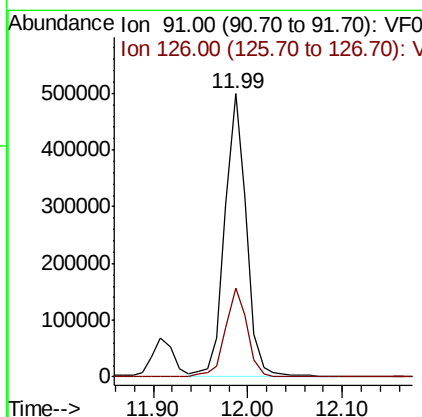
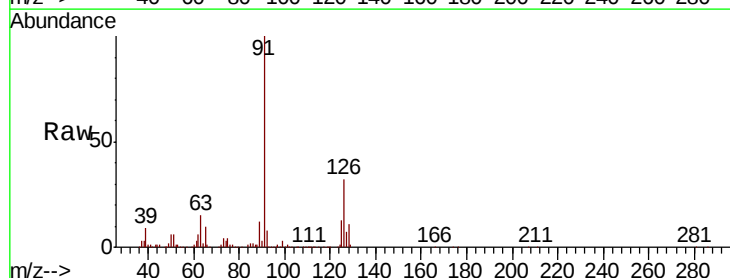
RT: 11.99 min Scan# 1162

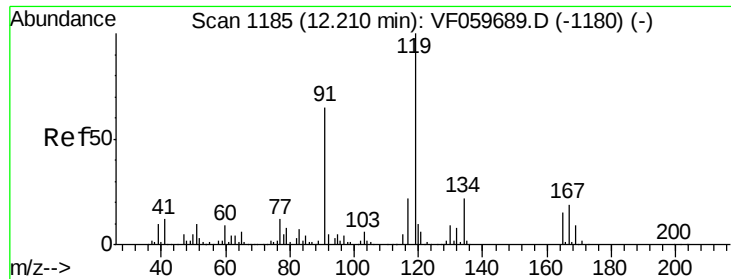
Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Tgt Ion:	91	Resp:	773104
Ion	Ratio	Lower	Upper
91	100		
126	31.6	15.2	45.6





#83

tert-Butylbenzene

Concen: 86.64 ug/l

RT: 12.21 min Scan# 1185

Delta R.T. 0.00 min

Lab File: VF059691.D

Acq: 30 Jul 2018 16:25

Instrument :

MSVOA_F

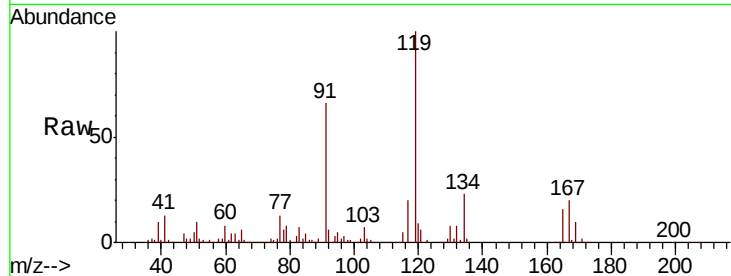
ClientSampleId :

VSTDIC100

Tot Ion:	119	Resp:	927111
Ion Ratio	Lower	Upper	
119	100		
91	65.5	32.8	98.4
134	23.2	10.9	32.7

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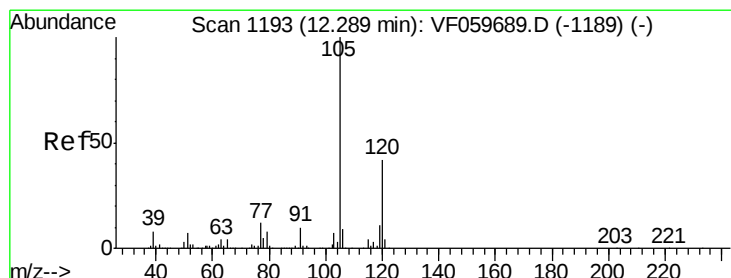
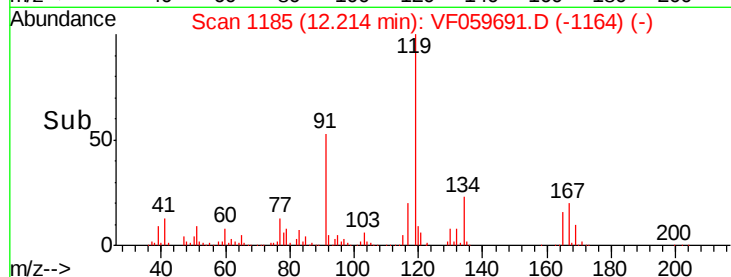
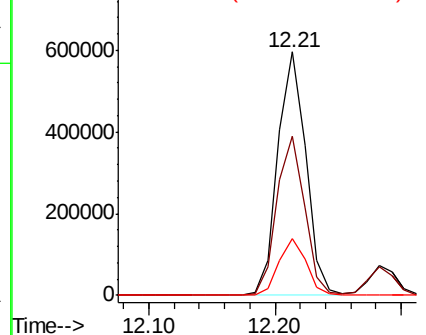
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 83.54 ug/l

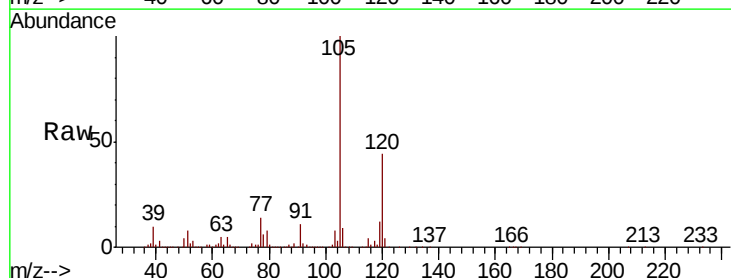
RT: 12.28 min Scan# 1192

Delta R.T. -0.01 min

Lab File: VF059691.D

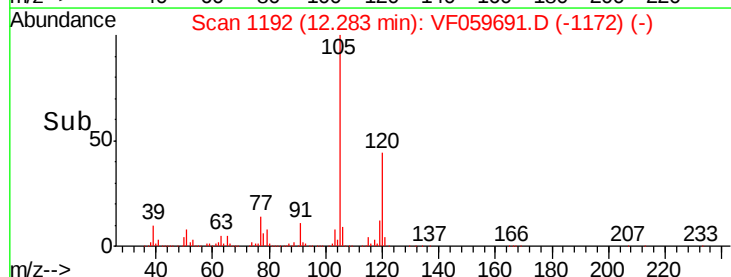
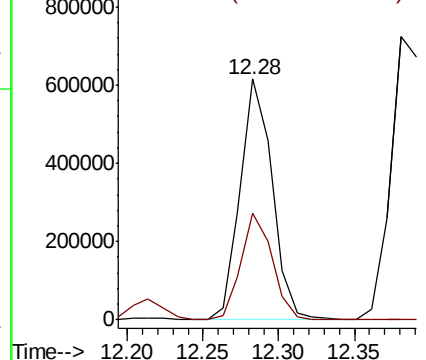
Acq: 30 Jul 2018 16:25

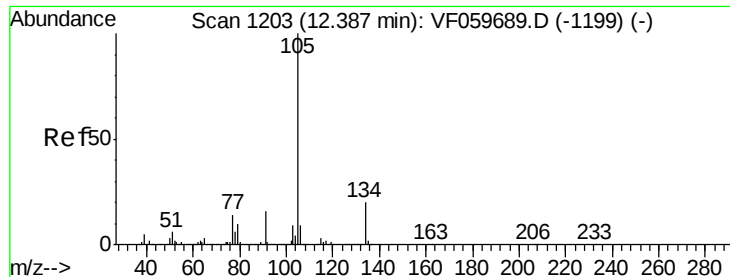
Tgt Ion:	105	Resp:	908911
Ion Ratio	Lower	Upper	
105	100		
120	44.2	21.1	63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





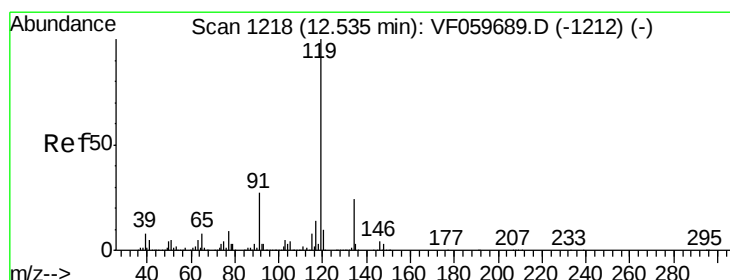
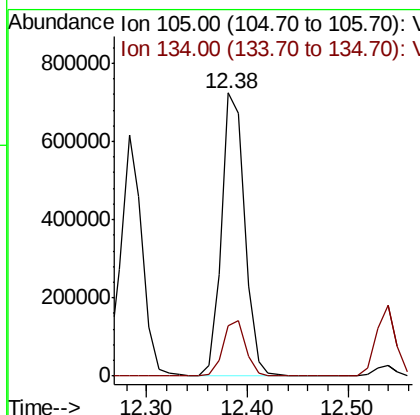
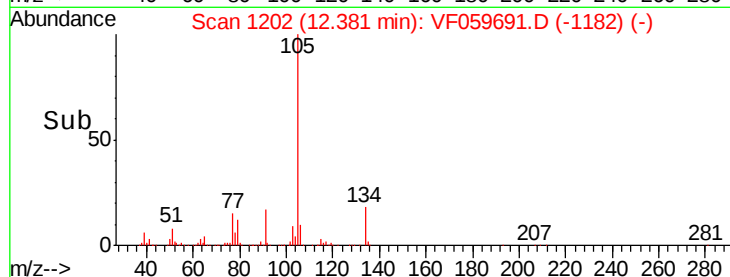
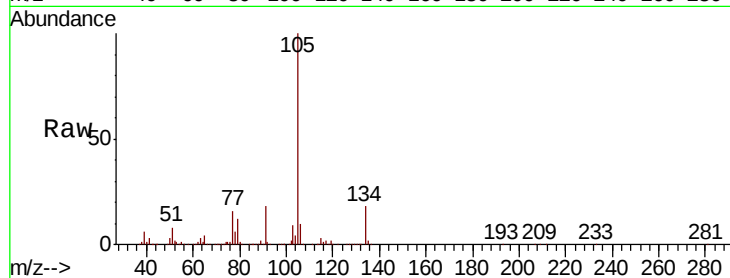
#85
 sec-Butylbenzene
 Concen: 82.71 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1164436
 Ion Ratio Lower Upper
 105 100
 134 18.0 9.8 29.3

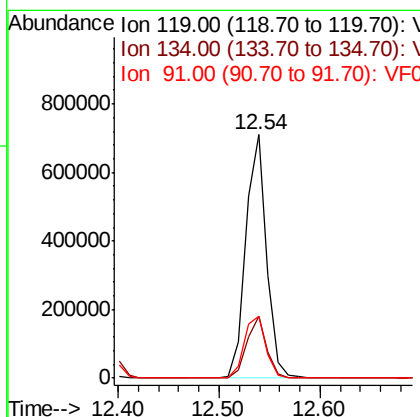
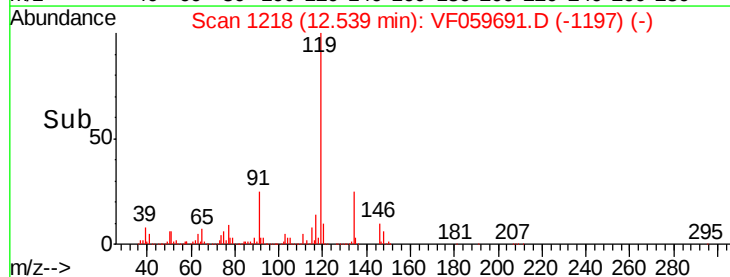
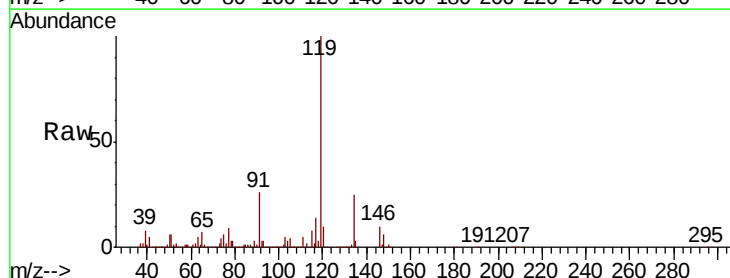
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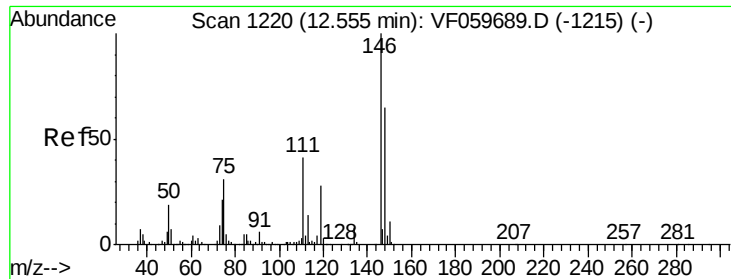
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#86
 p-Isopropyltoluene
 Concen: 83.97 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Tgt Ion:119 Resp: 1016627
 Ion Ratio Lower Upper
 119 100
 134 25.4 12.2 36.6
 91 25.6 13.4 40.2





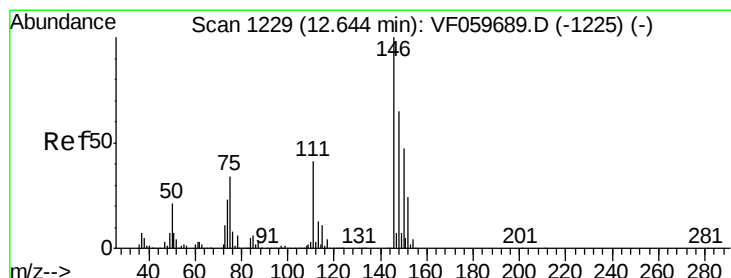
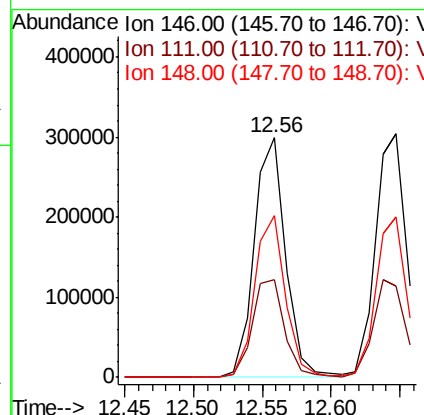
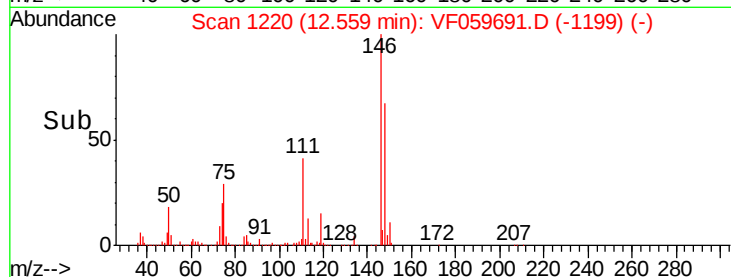
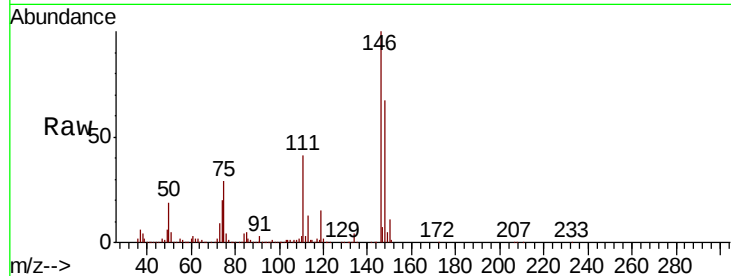
#87
 1,3-Dichlorobenzene
 Concen: 83.65 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.7	62.1
148	67.4	32.3	96.8

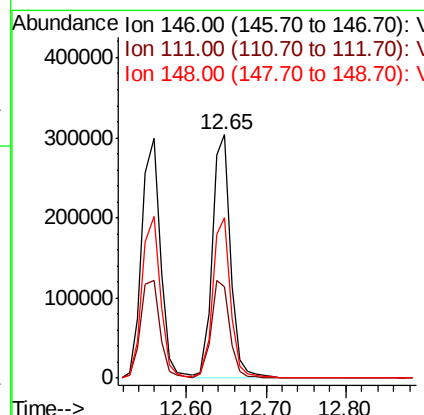
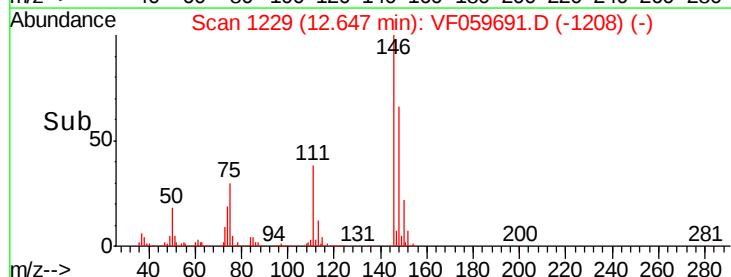
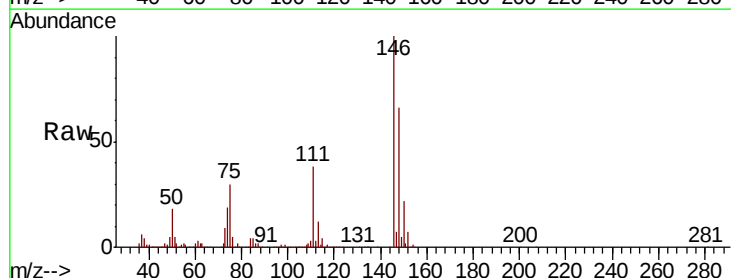
Manual Integrations
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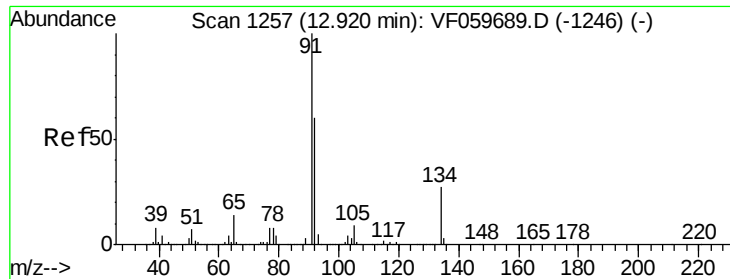
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 90.17 ug/l
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	20.8	62.2
148	65.8	32.3	96.9





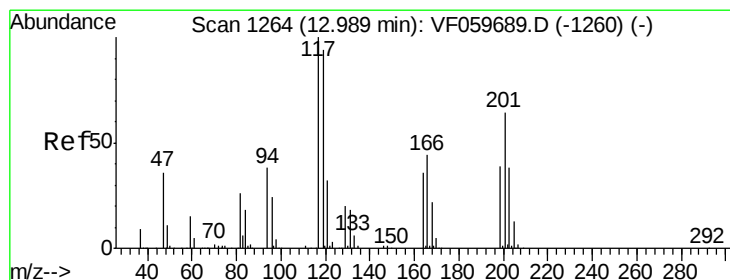
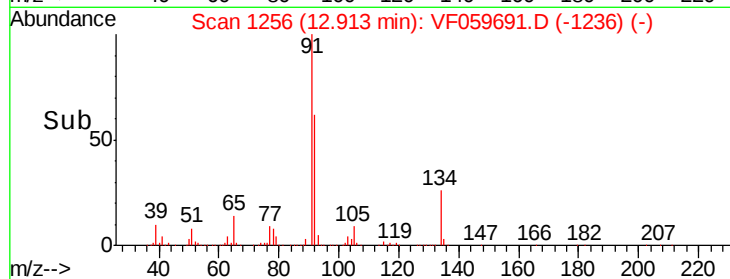
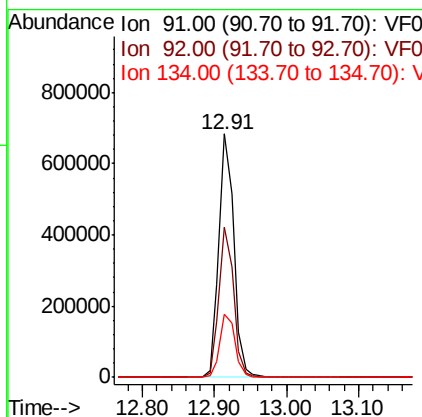
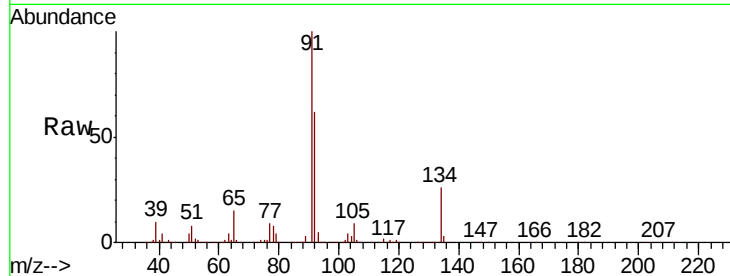
#89
n-Butylbenzene
Concen: 83.22 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	61.6	30.1	90.3
134	26.2	13.7	41.0

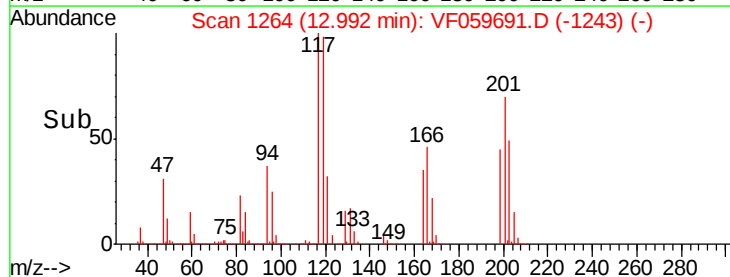
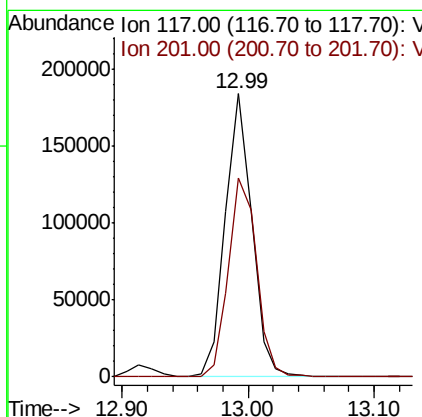
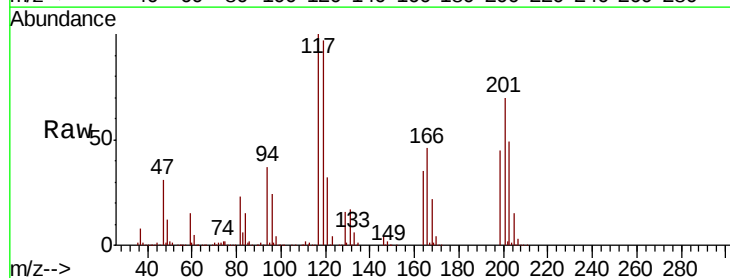
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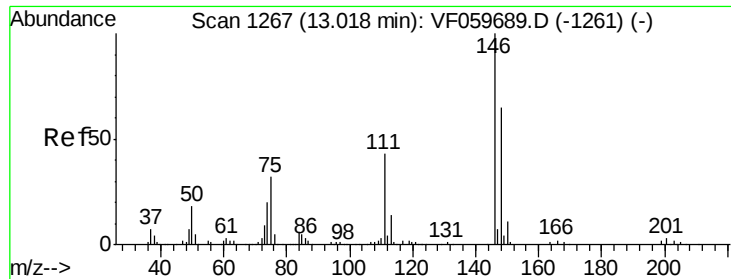
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#90
Hexachloroethane
Concen: 87.23 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.1	31.9	95.5





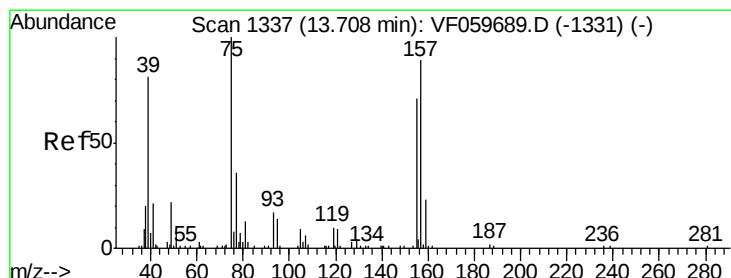
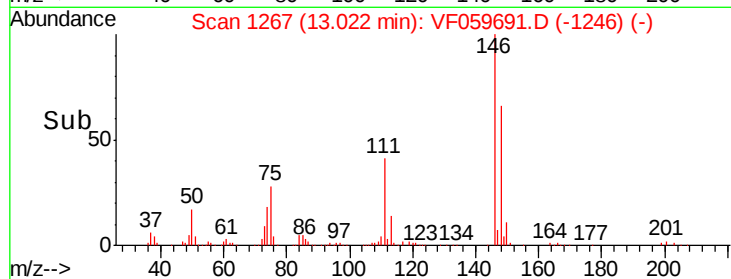
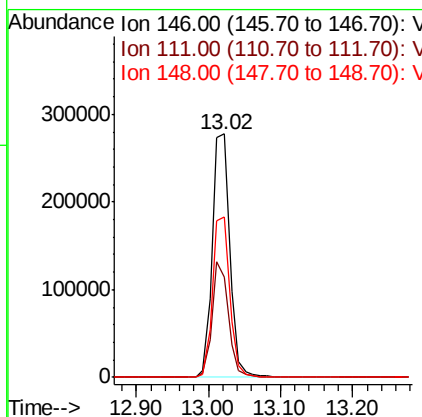
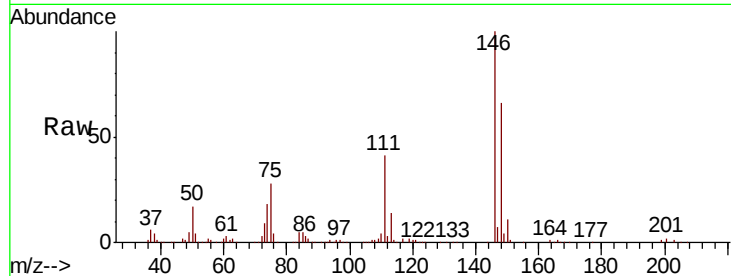
#91
 1,2-Dichlorobenzene
 Concen: 87.11 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.6	65.0
148	66.1	32.3	96.9

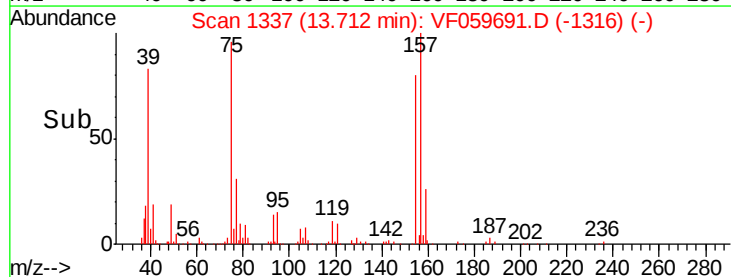
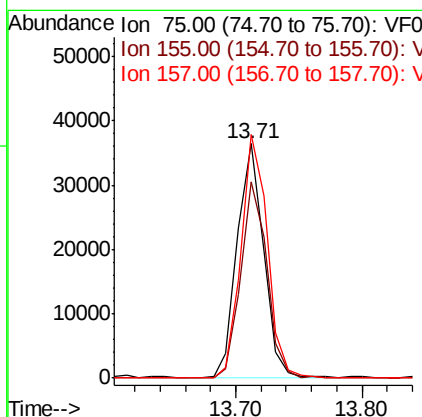
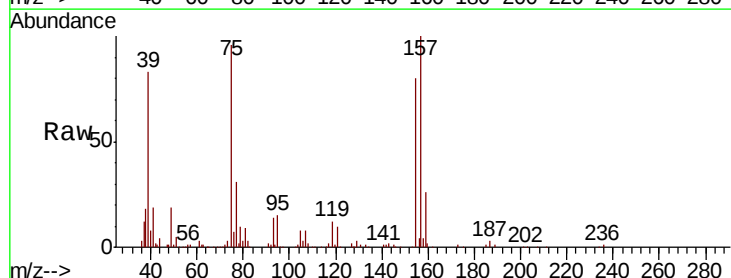
Manual Integrations
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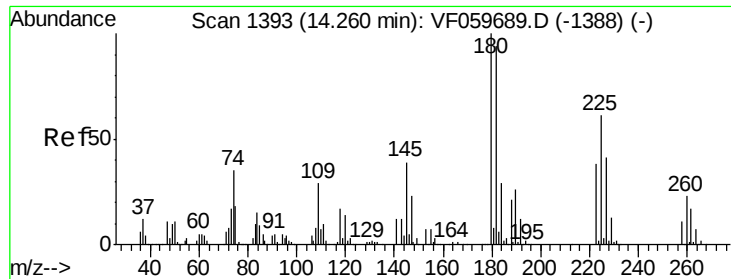
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 109.70 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VF059691.D
 Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.7	35.4	106.2
157	104.0	44.4	133.2





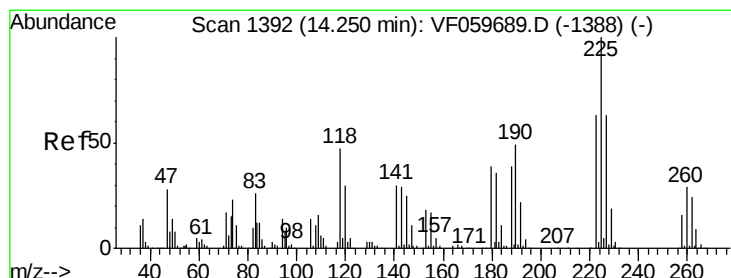
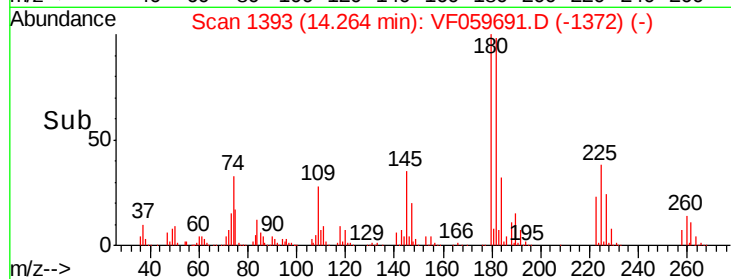
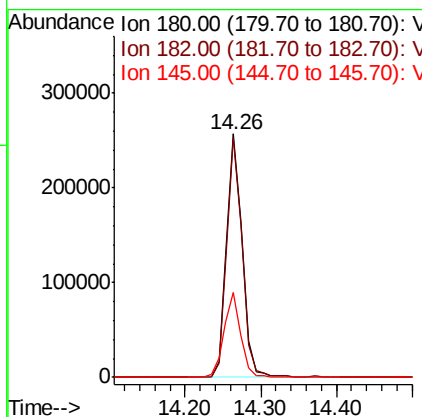
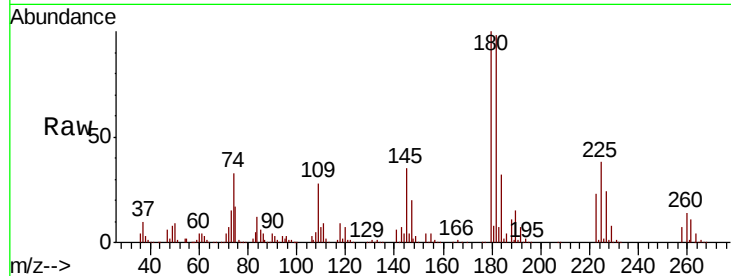
#93
1,2,4-Trichlorobenzene
Concen: 87.10 ug/l
RT: 14.26 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.4	47.2	141.6	
145	34.6	19.3	57.9	

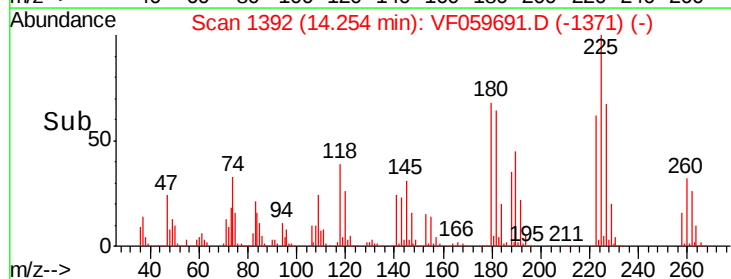
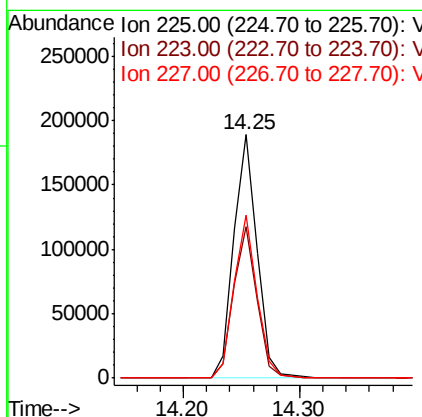
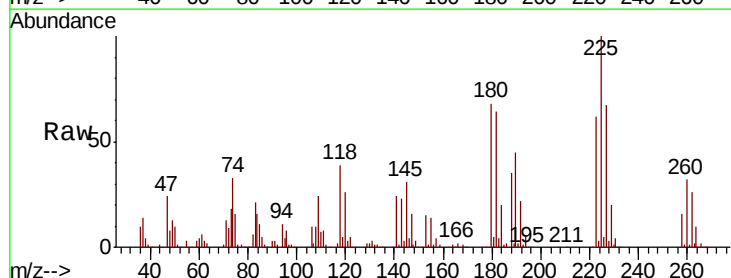
Manual Integrations
APPROVED

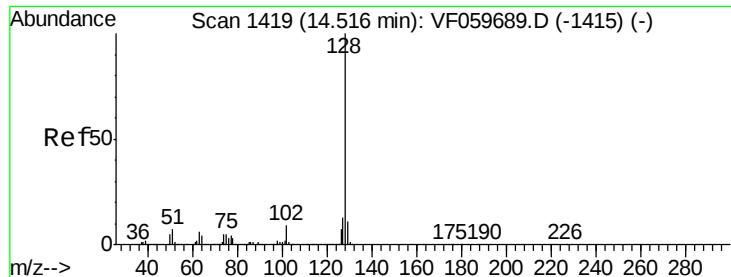
apatel
7/31/2018 12:12:43 PM



#94
Hexachlorobutadiene
Concen: 83.75 ug/l
RT: 14.25 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	31.4	94.2	
227	66.8	31.5	94.5	





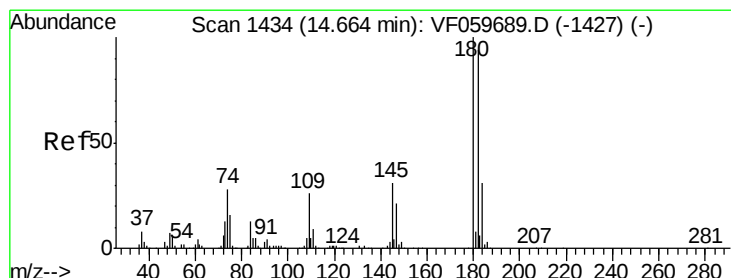
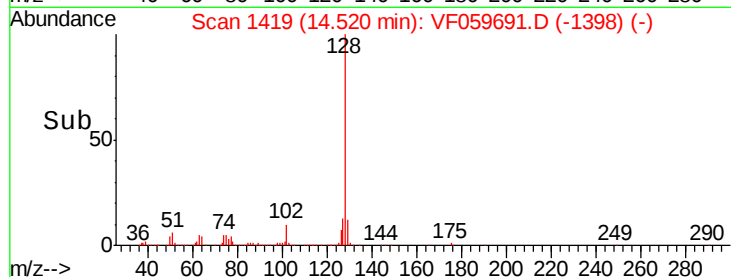
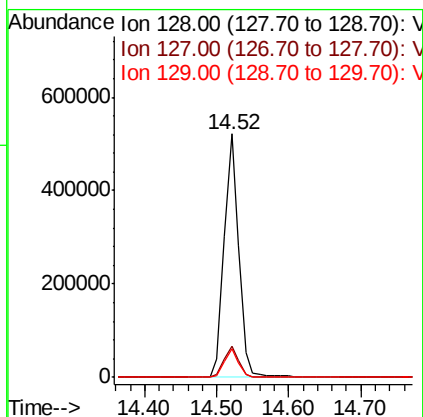
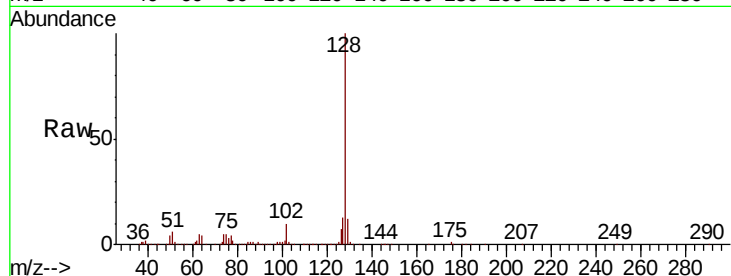
#95
Naphthalene
Concen: 108.10 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.0	15.0
129	11.6	8.6	13.0

Manual Integrations
APPROVED

apatel
7/31/2018 12:12:43 PM



#96
1,2,3-Trichlorobenzene
Concen: 94.58 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059691.D
Acq: 30 Jul 2018 16:25

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.5	47.2	141.6
145	31.7	15.6	46.7

