

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122818\
 Data File : VF061237.D
 Acq On : 28 Dec 2018 15:49
 Operator : VA/AP
 Sample : J6515-02MS
 Misc : 5.73g/5mL/MSVOA-F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0050MS

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 11:52:38 AM

Quant Time: Dec 31 22:58:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	138256	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.61	114	277704	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.79	117	266580	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.56	152	125068	50.00	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	100432	56.48	ug/l	0.02
Spiked Amount 50.000			Recovery	=	112.96%	
35) Dibromofluoromethane	4.12	113	126210	56.73	ug/l	0.01
Spiked Amount 50.000			Recovery	=	113.46%	
50) Toluene-d8	7.57	98	354267	56.20	ug/l	0.01
Spiked Amount 50.000			Recovery	=	112.40%	
62) 4-Bromofluorobenzene	11.42	95	147618	50.79	ug/l	0.01
Spiked Amount 50.000			Recovery	=	101.58%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	81253	26.438	ug/l	93
3) Chloromethane	1.11	50	97756	55.529	ug/l	93
4) Vinyl Chloride	1.14	62	74697	45.739	ug/l	92
5) Bromomethane	1.33	94	68464	60.442	ug/l	93
6) Chloroethane	1.39	64	43163	57.360	ug/l	90
7) Trichlorofluoromethane	1.49	101	106036m	34.005	ug/l	
8) Diethyl Ether	1.64	74	28061	65.716	ug/l	81
9) 1,1,2-Trichlorotrifluoroet	1.85	101	53594	33.149	ug/l	93
10) Methyl Iodide	1.91	142	154265m	60.531	ug/l	
11) Tert butyl alcohol	2.59	59	24521	341.718	ug/l #	89
12) 1,1-Dichloroethene	1.80	96	60114	49.325	ug/l	87
13) Acrolein	2.00	56	24723	476.800	ug/l	82
14) Allyl chloride	2.10	41	80736	63.658	ug/l #	81
15) Acrylonitrile	2.95	53	65032	391.918	ug/l	90
16) Acetone	2.25	43	127749	359.367	ug/l #	87
17) Carbon Disulfide	1.84	76	180512m	49.012	ug/l	
18) Methyl Acetate	2.35	43	58685	79.793	ug/l	98
19) Methyl tert-butyl Ether	2.44	73	167046	61.751	ug/l	93
20) Methylene Chloride	2.25	84	80414m	72.841	ug/l	
21) trans-1,2-Dichloroethene	2.32	96	71568m	54.905	ug/l	
22) Diisopropyl ether	2.81	45	313697	74.254	ug/l	96
23) Vinyl Acetate	3.20	43	668066	342.785	ug/l	98
24) 1,1-Dichloroethane	2.88	63	155487	62.118	ug/l	99
25) 2-Butanone	4.35	43	201855	350.123	ug/l	98
26) 2,2-Dichloropropane	3.61	77	78573	54.699	ug/l	96
27) cis-1,2-Dichloroethene	3.48	96	131219	65.756	ug/l	96
28) Bromochloromethane	3.73	49	83146	65.466	ug/l	97
29) Tetrahydrofuran	4.07	42	100970	430.296	ug/l	93
30) Chloroform	3.87	83	247691	65.994	ug/l	95
31) Cyclohexane	3.70	56	113682m	43.768	ug/l	
32) 1,1,1-Trichloroethane	4.10	97	113862	50.614	ug/l	94
36) 1,1-Dichloropropene	4.29	75	142297	42.450	ug/l	95
37) Ethyl Acetate	4.12	43	83978	69.013	ug/l	91
38) Carbon Tetrachloride	4.00	117	94447	36.998	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	119274	39.662	ug/l	97
40) Benzene	4.65	78	396800	55.045	ug/l	97
41) Methacrylonitrile	4.77	41	41684	58.882	ug/l #	91
42) 1,2-Dichloroethane	4.95	62	138175	50.458	ug/l	98
43) Isopropyl Acetate	6.97	43	93689	57.884	ug/l #	98
44) Trichloroethene	5.51	130	115087	50.639	ug/l	99
45) 1,2-Dichloropropane	6.24	63	108401	55.272	ug/l	98
46) Dibromomethane	6.10	93	68930	54.189	ug/l	98
47) Bromodichloromethane	6.40	83	173680	52.550	ug/l	100
48) Methyl methacrylate	6.74	41	56434	49.945	ug/l	91
49) 1,4-Dioxane	6.72	88	9089	1108.592	ug/l #	74
51) 4-Methyl-2-Pentanone	8.27	43	331339	298.493	ug/l	99
52) Toluene	7.64	92	264085	55.343	ug/l	100
53) t-1,3-Dichloropropene	8.30	75	140977	52.875	ug/l	100
54) cis-1,3-Dichloropropene	7.31	75	184316	55.080	ug/l	98
55) 1,1,2-Trichloroethane	8.50	97	77345	54.069	ug/l	94
56) Ethyl methacrylate	8.63	69	102484	66.208	ug/l	98
57) 1,3-Dichloropropane	8.87	76	139262	53.826	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.31	63	57877	194.683	ug/l	99
59) 2-Hexanone	9.50	43	250202	311.679	ug/l	97
60) Dibromochloromethane	8.73	129	110819	54.043	ug/l	99
61) 1,2-Dibromoethane	9.00	107	80302	52.562	ug/l	99
64) Tetrachloroethene	8.17	164	84023	40.973	ug/l	99
65) Chlorobenzene	9.82	112	282884	51.366	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.94	131	109203	48.523	ug/l	99
67) Ethyl Benzene	9.91	91	753819	75.134	ug/l	98
68) m/p-Xylenes	10.15	106	582461	164.963	ug/l	89
69) o-Xylene	10.72	106	205498	52.477	ug/l	93
70) Styrene	10.80	104	277471	59.030	ug/l	98
71) Bromoform	10.78	173	51157	49.132	ug/l	98
73) Isopropylbenzene	11.14	105	654926	60.766	ug/l	100
74) N-amyl acetate	11.38	43	149091	62.307	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.71	83	81138	45.360	ug/l	99
76) 1,2,3-Trichloropropane	11.81	75	76956	57.810	ug/l	90
77) Bromobenzene	11.50	156	119923	51.689	ug/l	93
78) n-propylbenzene	11.60	91	1160594	Below Cal		99
79) 2-Chlorotoluene	11.73	91	527271	71.315	ug/l	83
80) 1,3,5-Trimethylbenzene	11.84	105	1310295	147.644	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.88	75	29712m	51.942	ug/l	
82) 4-Chlorotoluene	11.91	91	355663	46.501	ug/l	96
83) tert-Butylbenzene	12.14	119	412270	45.144	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	2328136	263.068	ug/l	88
85) sec-Butylbenzene	12.31	105	609354	51.130	ug/l	94
86) p-Isopropyltoluene	12.47	119	471278m	47.641	ug/l	
87) 1,3-Dichlorobenzene	12.49	146	218405	58.609	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	217339	51.016	ug/l	98
89) n-Butylbenzene	12.85	91	575478	60.662	ug/l	90
90) Hexachloroethane	12.92	117	112033	45.840	ug/l	95
91) 1,2-Dichlorobenzene	12.95	146	208315	50.224	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	14600	44.479	ug/l	95

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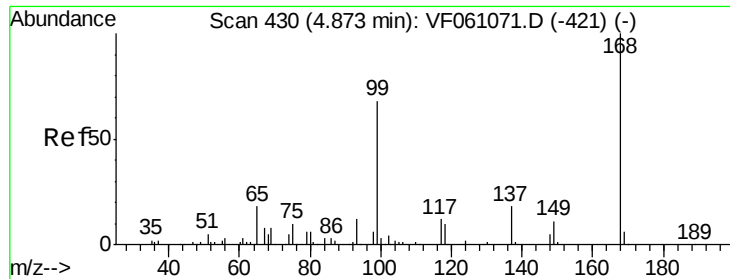
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	135162	45.950	ug/l	98
94) Hexachlorobutadiene	14.20	225	53034	28.308	ug/l	98
95) Naphthalene	14.46	128	509429	94.842	ug/l	97
96) 1,2,3-Trichlorobenzene	14.61	180	122852	45.178	ug/l	97

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



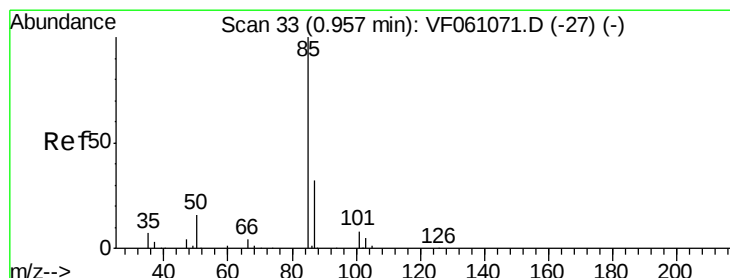
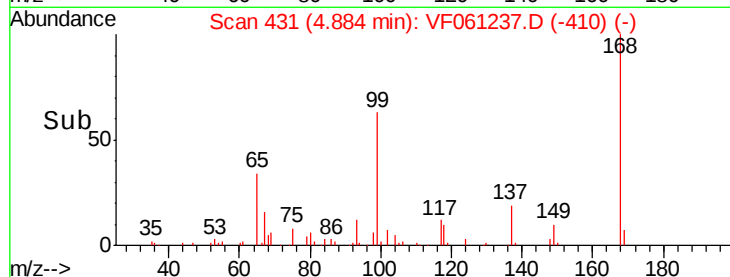
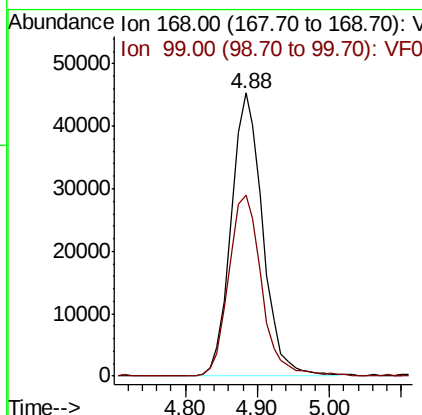
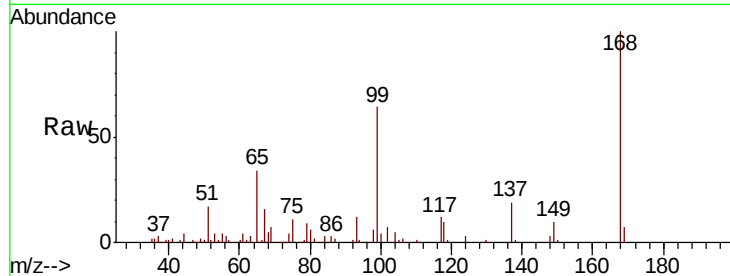
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.88 min Scan# 431
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MS

Tot Ion	Ratio	Resp	Lower	Upper
168	100	138256		
99	63.7	54.4	81.6	

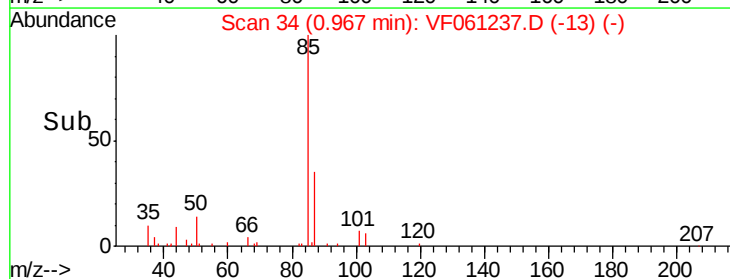
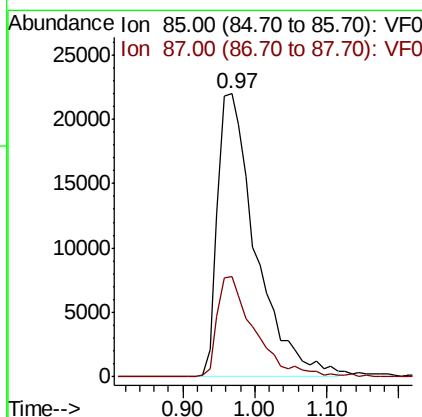
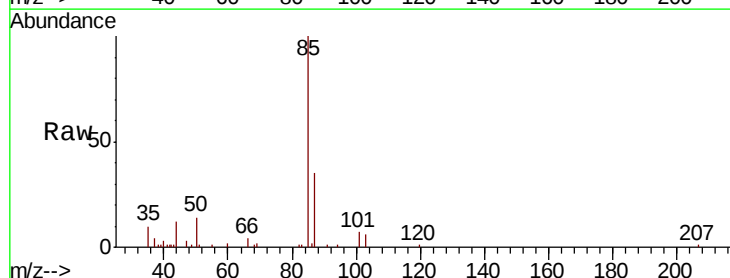
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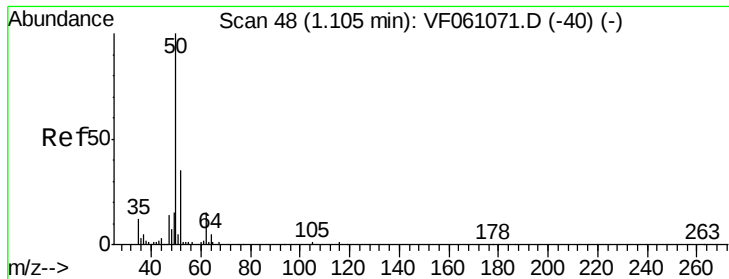
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#2
Dichlorodifluoromethane
Concen: 26.438 ug/l
RT: 0.97 min Scan# 34
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	81253		
87	35.4	15.9	47.6	





#3

Chloromethane

Concen: 55.529 ug/l

RT: 1.11 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MS

Tot Ion: 50 Resp: 97756

Ion Ratio Lower Upper

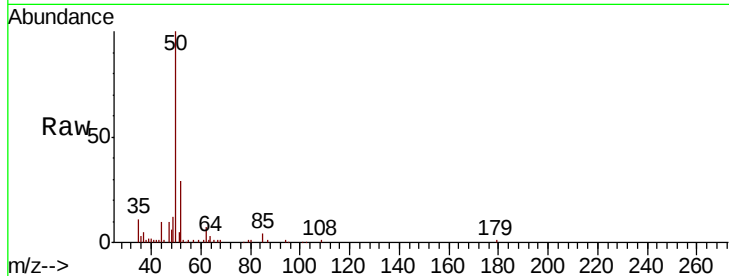
50 100

52 29.0 26.3 39.5

Manual Integrations
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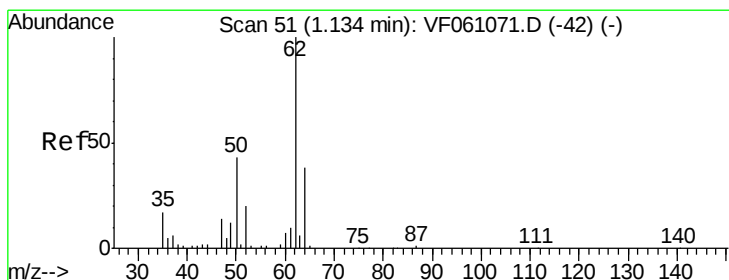
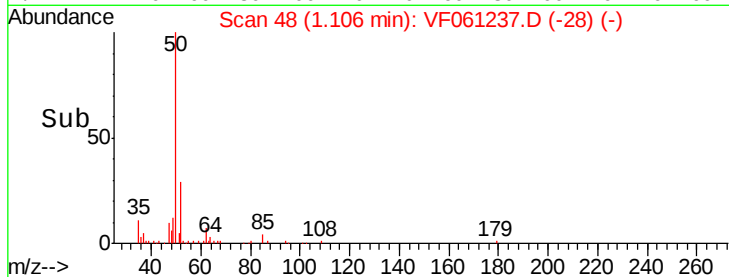
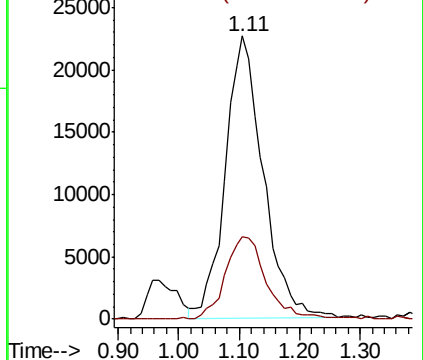
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 45.739 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.01 min

Lab File: VF061237.D

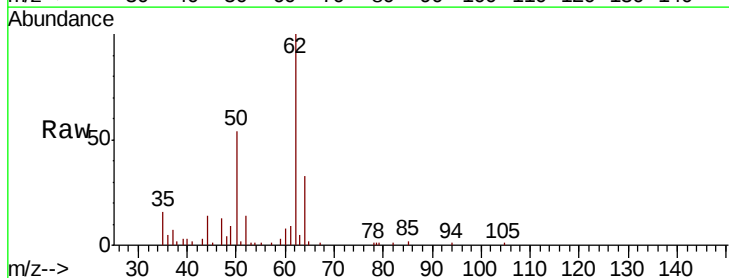
Acq: 28 Dec 2018 15:49

Tgt Ion: 62 Resp: 74697

Ion Ratio Lower Upper

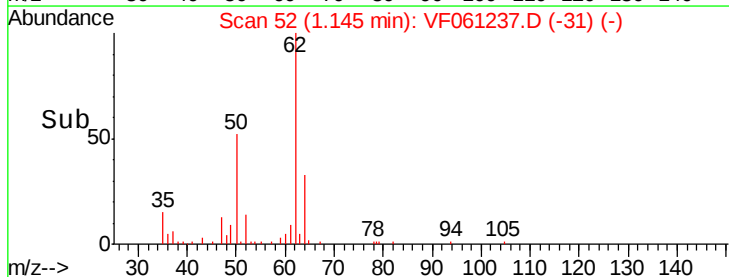
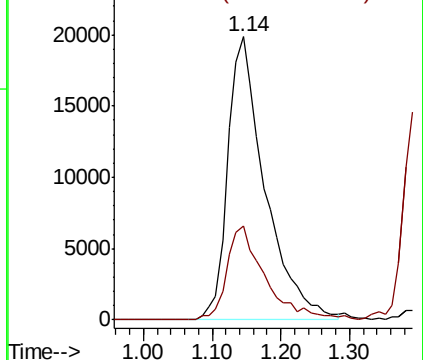
62 100

64 33.2 30.4 45.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 60.442 ug/l

RT: 1.33 min Scan# 71

Delta R.T. -0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MS

Tot Ion: 94 Resp: 68464

Ion Ratio Lower Upper

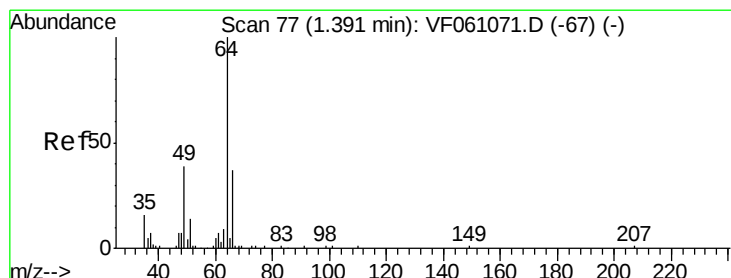
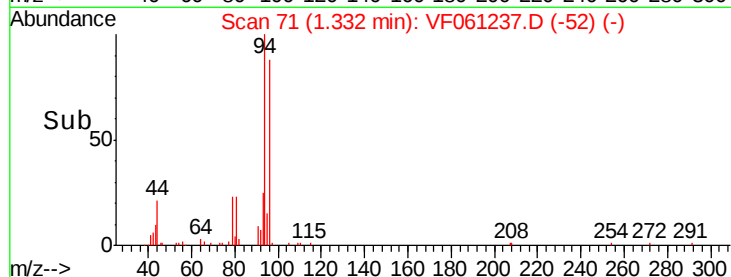
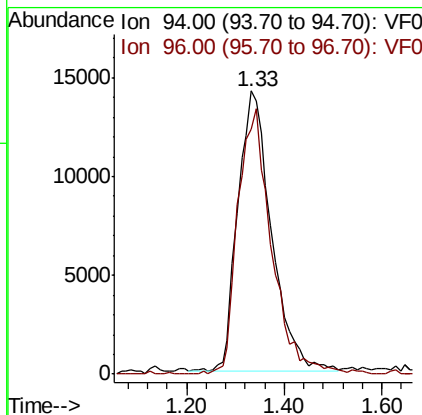
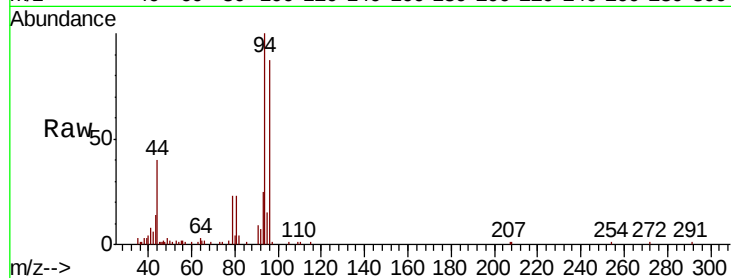
94 100

96 86.6 74.4 111.6

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#6

Chloroethane

Concen: 57.360 ug/l

RT: 1.39 min Scan# 77

Delta R.T. 0.00 min

Lab File: VF061237.D

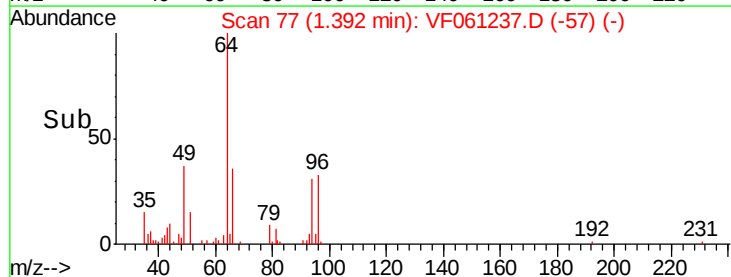
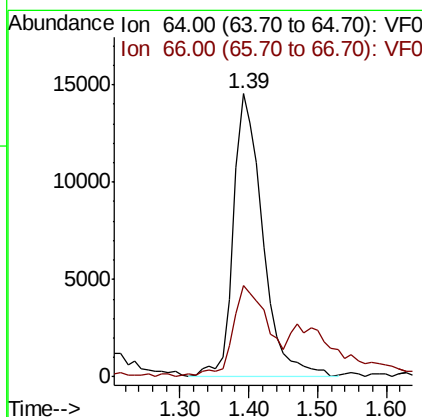
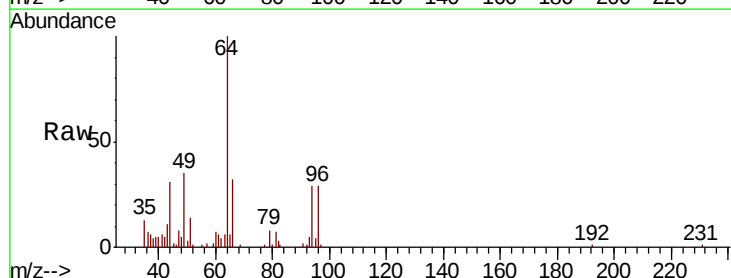
Acq: 28 Dec 2018 15:49

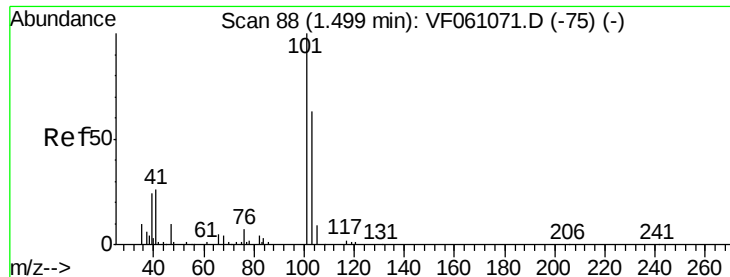
Tgt Ion: 64 Resp: 43163

Ion Ratio Lower Upper

64 100

66 32.4 30.9 46.3





#7

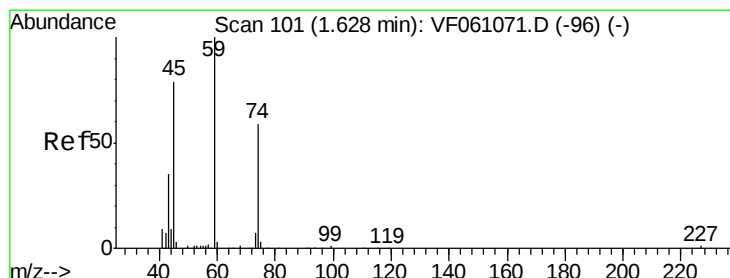
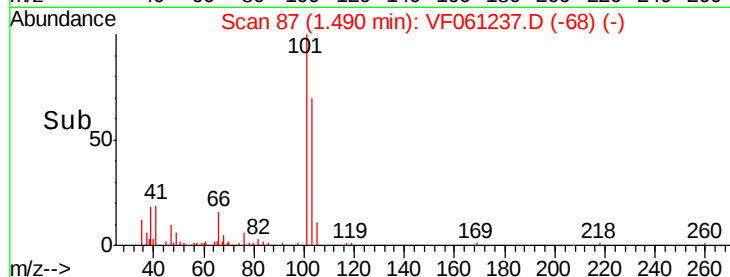
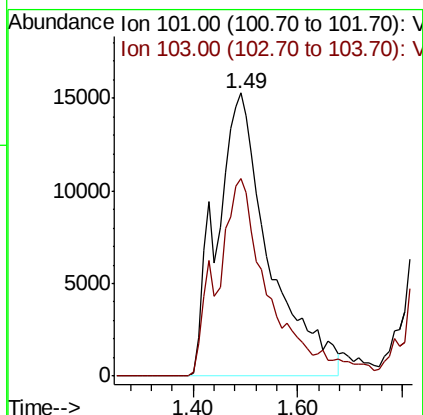
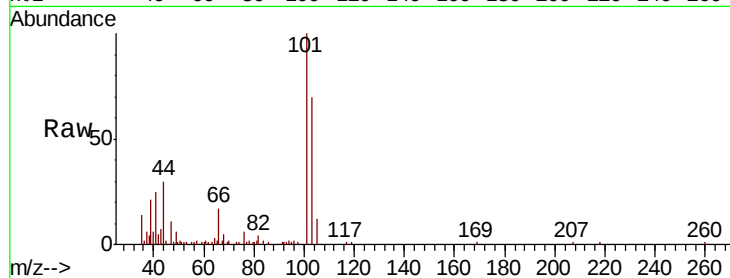
Trichlorofluoromethane
Concen: 34.005 ug/l m
RT: 1.49 min Scan# 87
Delta R.T. -0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

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ClientSampleId :
S72-0050MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.7	50.7	76.1

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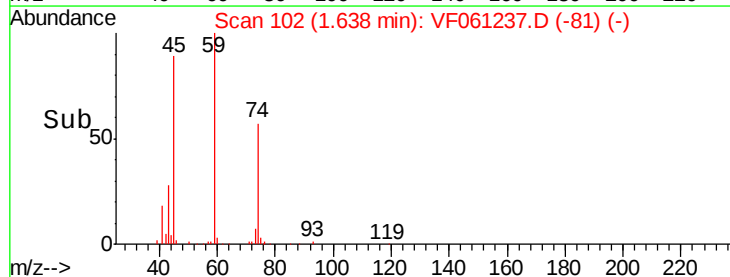
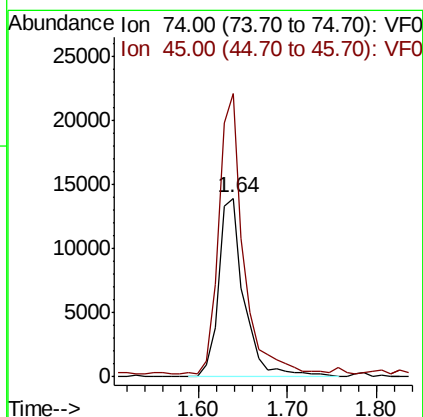
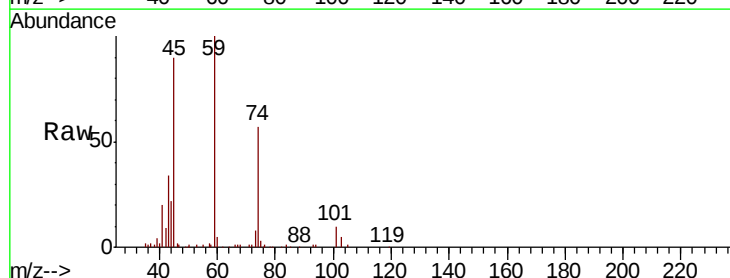
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1/2/2019 11:52:38 AM



#8

Diethyl Ether
Concen: 65.716 ug/l
RT: 1.64 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	158.4	67.8	203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 33.149 ug/l

RT: 1.85 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Instrument :

MSVOA_F

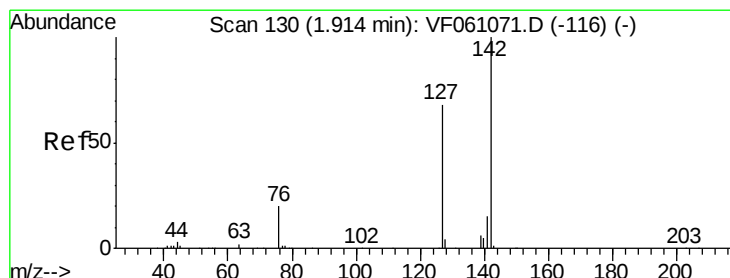
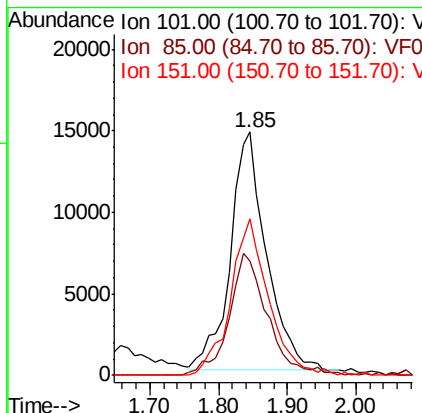
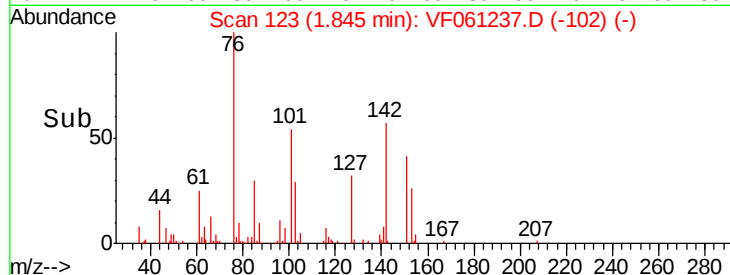
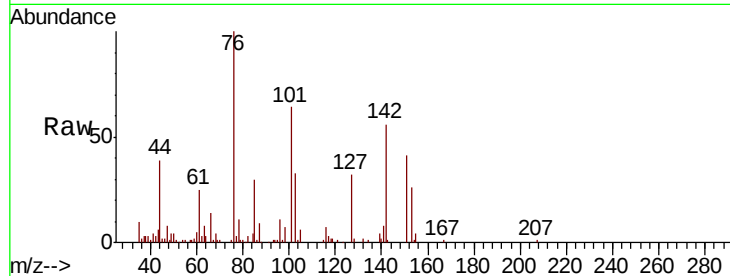
ClientSampleId :

S72-0050MS

Tot Ion:	101	Resp:	53594
Ion Ratio	Lower	Upper	
101	100		
85	46.9	44.5	66.7
151	64.1	49.9	74.9

Manual Integrations
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#10

Methyl Iodide

Concen: 60.531 ug/l m

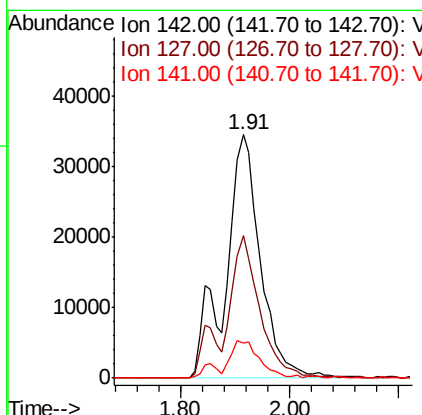
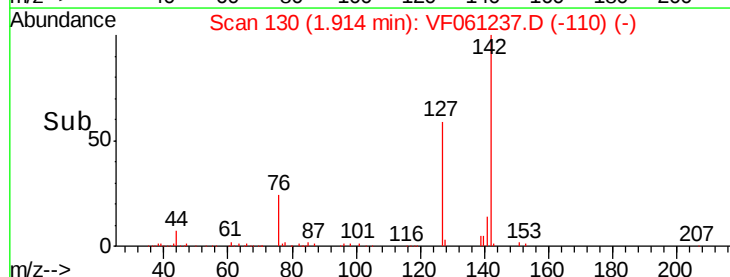
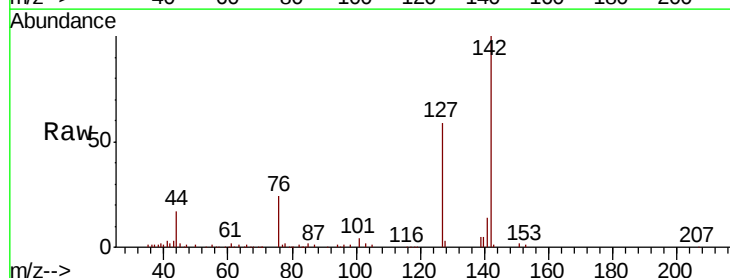
RT: 1.91 min Scan# 130

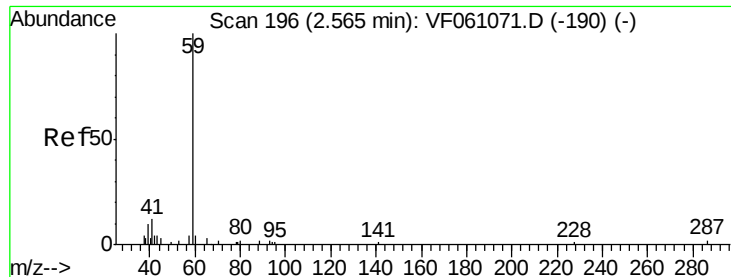
Delta R.T. 0.00 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Tgt Ion:	142	Resp:	154265
Ion Ratio	Lower	Upper	
142	100		
127	58.7	54.7	82.1
141	14.4	12.2	18.2





#11

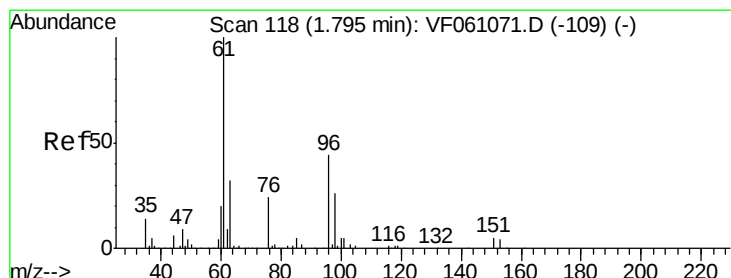
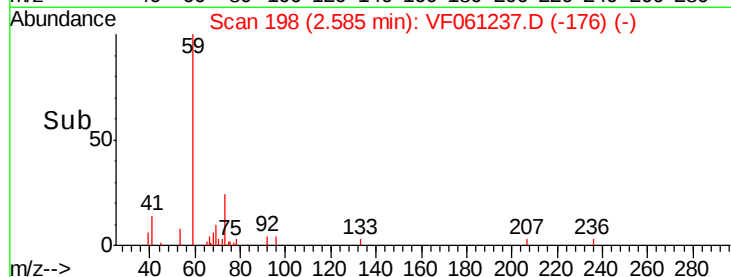
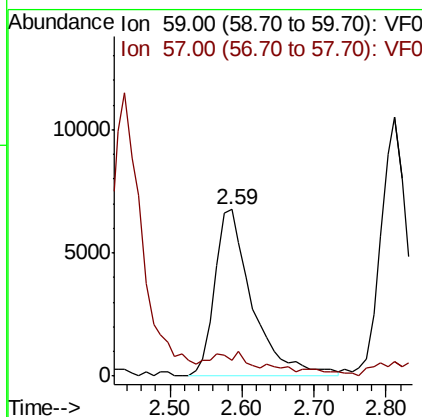
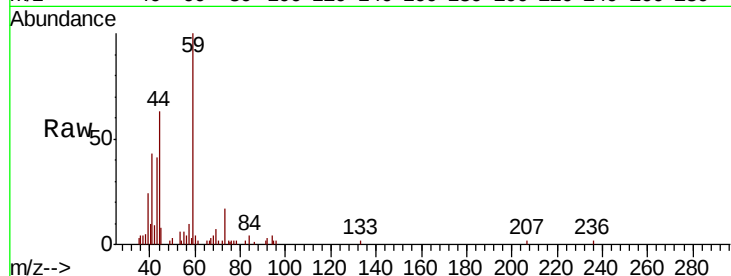
Tert butyl alcohol
Concen: 341.718 ug/l
RT: 2.59 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Instrument :
MSVOA_F
ClientSampled :
S72-0050MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	11.5	17.3#

Manual Integrations
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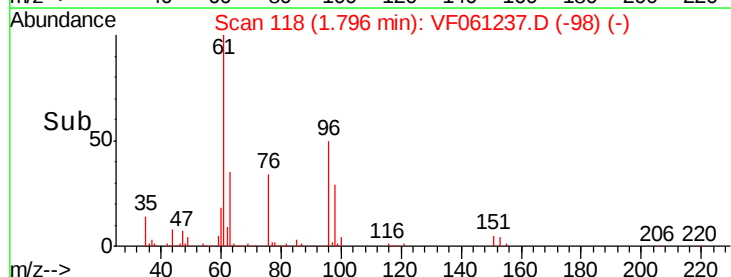
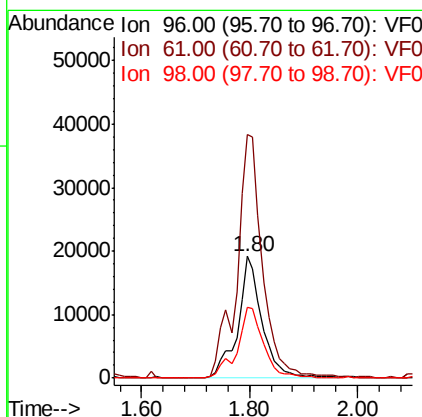
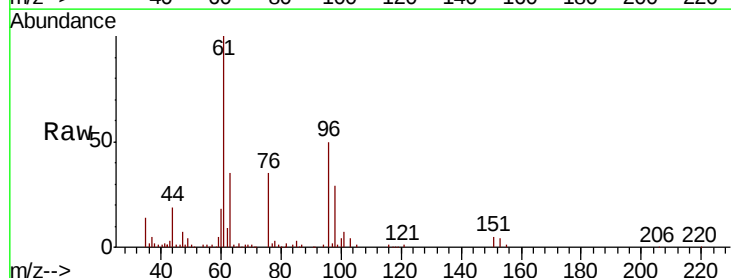
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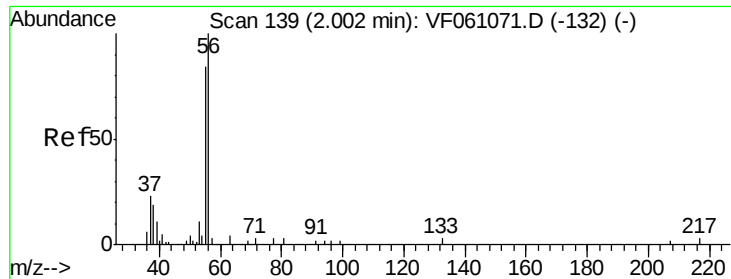


#12

1,1-Dichloroethene
Concen: 49.325 ug/l
RT: 1.80 min Scan# 118
Delta R.T. 0.00 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	200.5	182.0	273.0
98	57.8	46.5	69.7





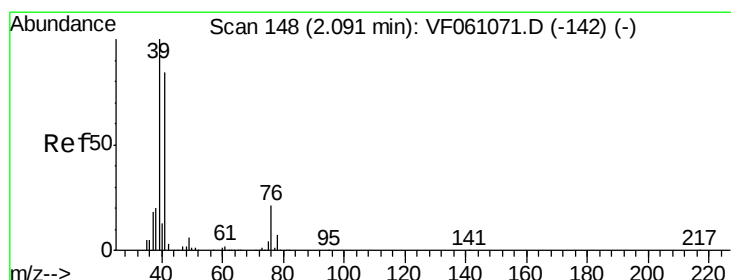
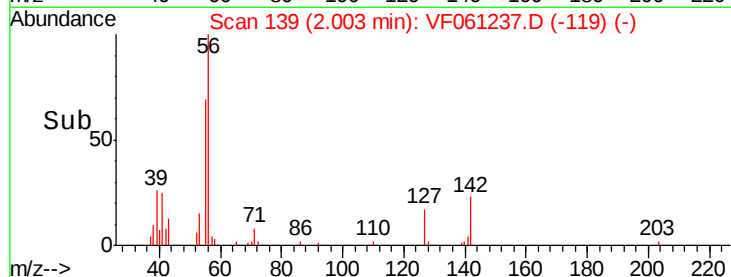
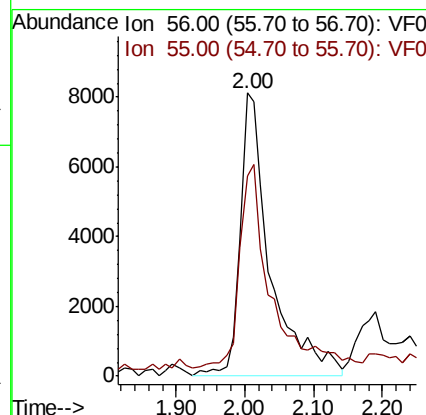
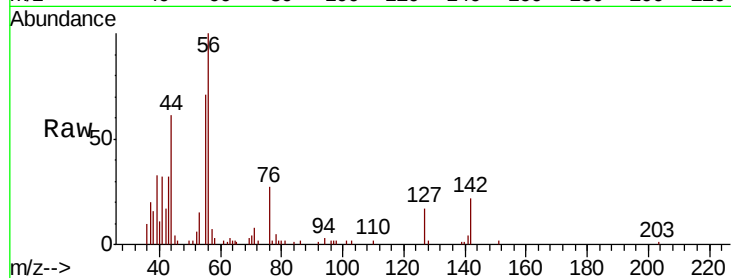
#13
Acrolein
Concen: 476.800 ug/l
RT: 2.00 min Scan# 139
Delta R.T. 0.00 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MS

Tot Ion	56	Resp	24723
Ion Ratio	100	Lower	Upper
55	70.9	70.2	105.2

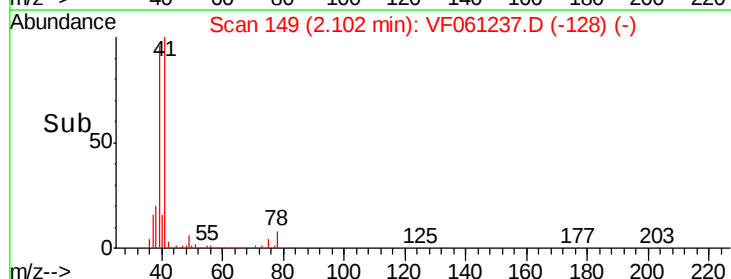
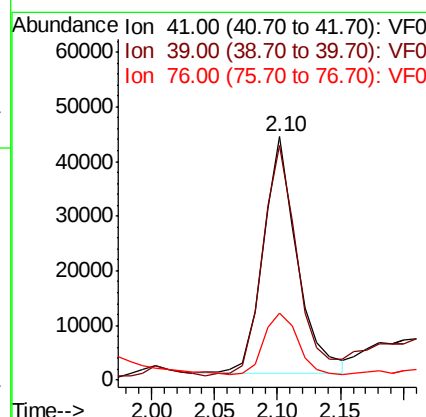
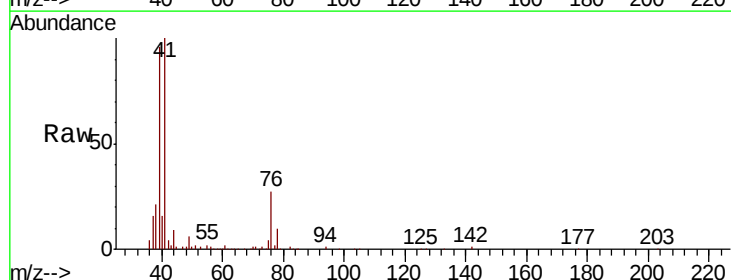
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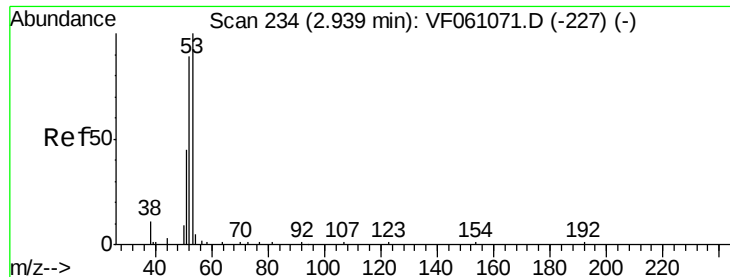
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#14
Allyl chloride
Concen: 63.658 ug/l
RT: 2.10 min Scan# 149
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion	41	Resp	80736
Ion Ratio	100	Lower	Upper
39	96.2	96.4	144.6#
76	27.4	25.4	38.0





#15

Acrylonitrile

Concen: 391.918 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Instrument :

MSVOA_F

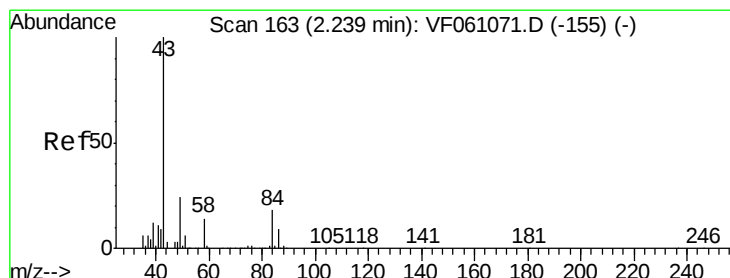
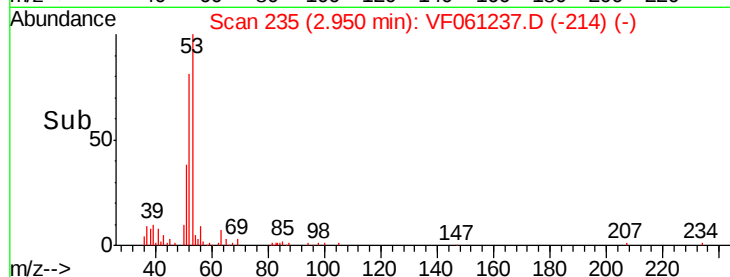
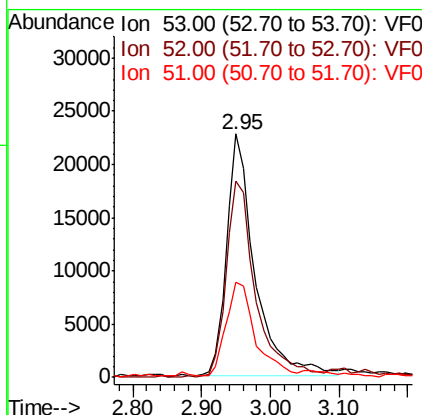
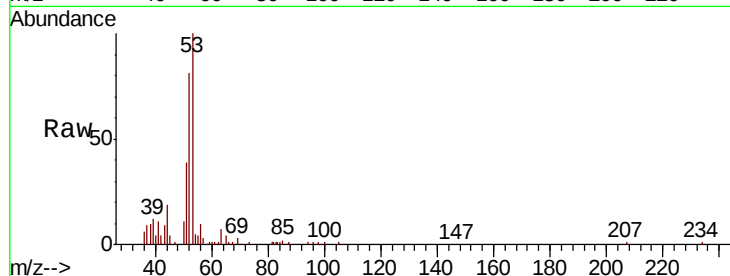
ClientSampleId :

S72-0050MS

Tot Ion:	53	Resp:	65032
Ion	Ratio	Lower	Upper
53	100		
52	80.6	71.3	106.9
51	38.8	36.8	55.2

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#16

Acetone

Concen: 359.367 ug/l

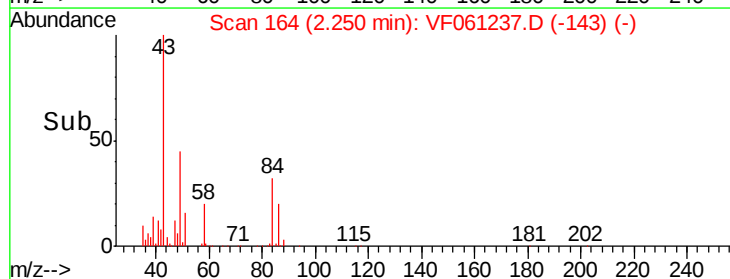
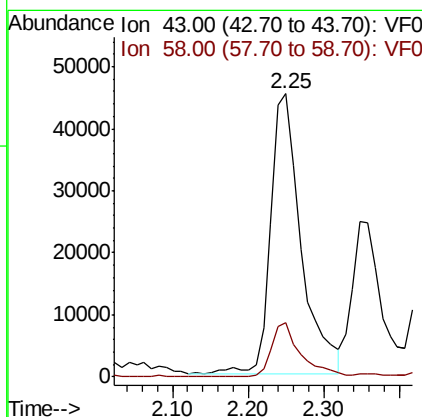
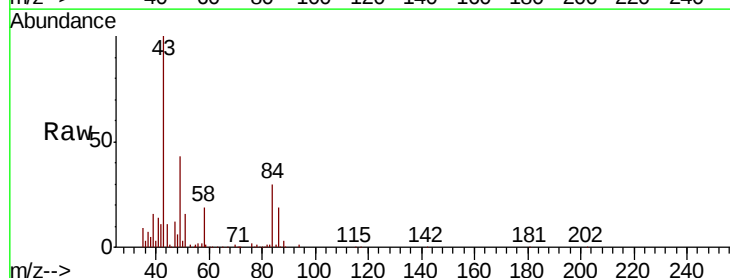
RT: 2.25 min Scan# 164

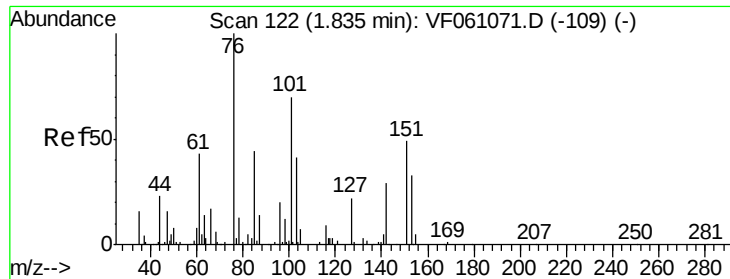
Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Tgt Ion:	43	Resp:	127749
Ion	Ratio	Lower	Upper
43	100		
58	19.0	11.1	16.7#





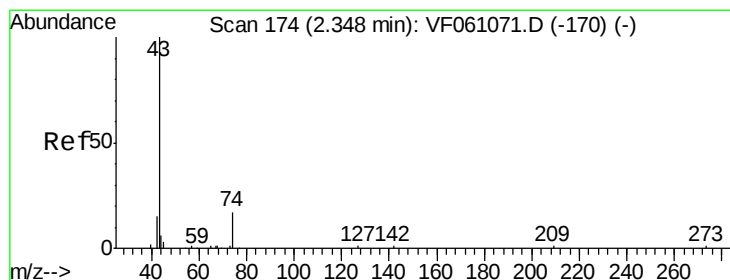
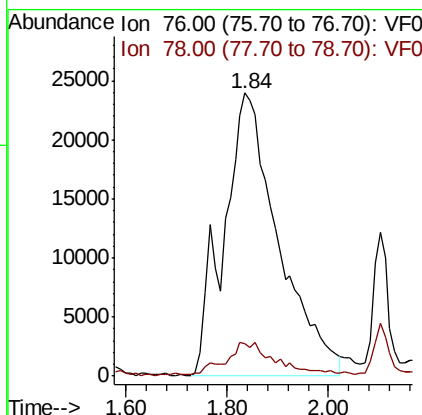
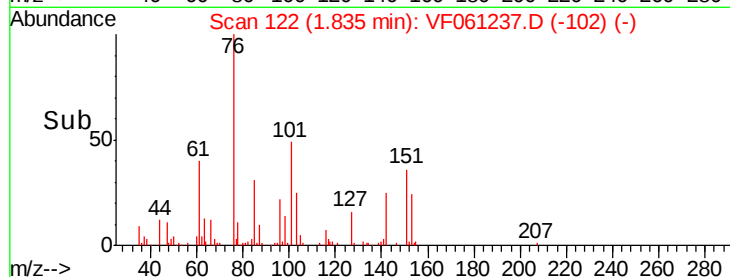
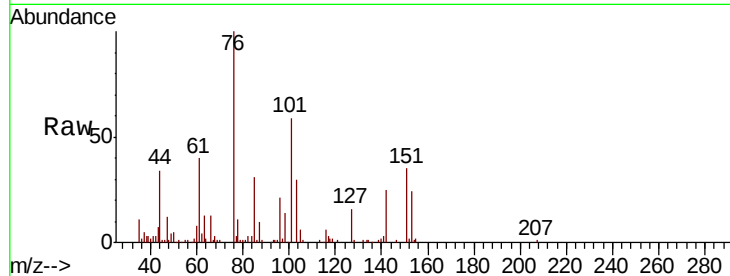
#17
Carbon Disulfide
Concen: 49.012 ug/l m
RT: 1.84 min Scan# 122
Delta R.T. 0.00 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.3	10.2	15.4

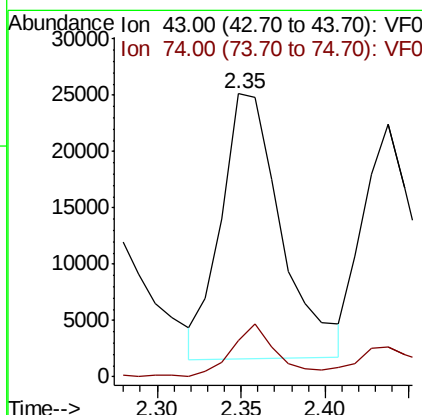
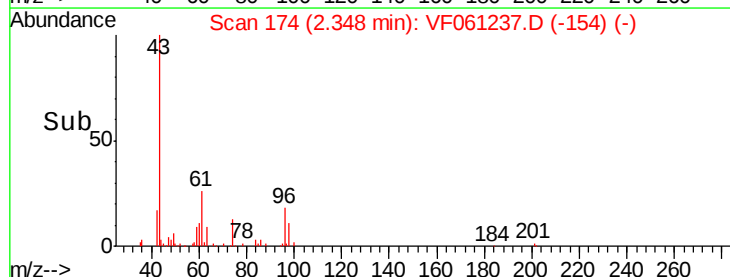
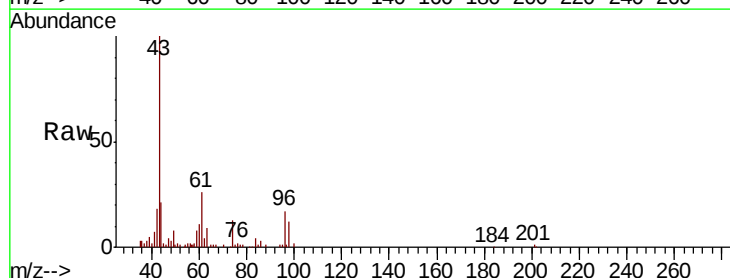
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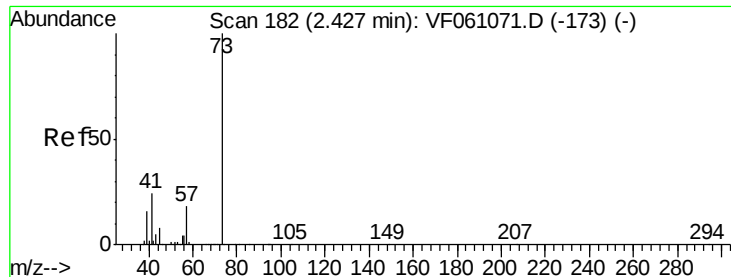
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#18
Methyl Acetate
Concen: 79.793 ug/l
RT: 2.35 min Scan# 174
Delta R.T. 0.00 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	13.0	11.0	16.6





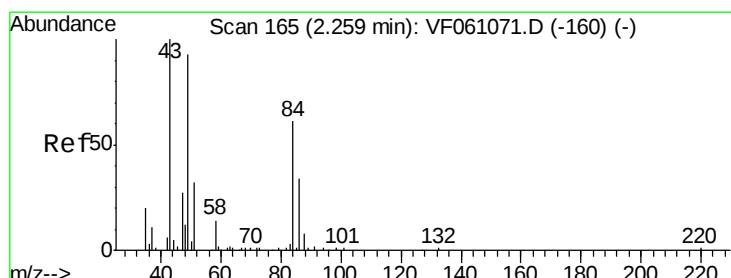
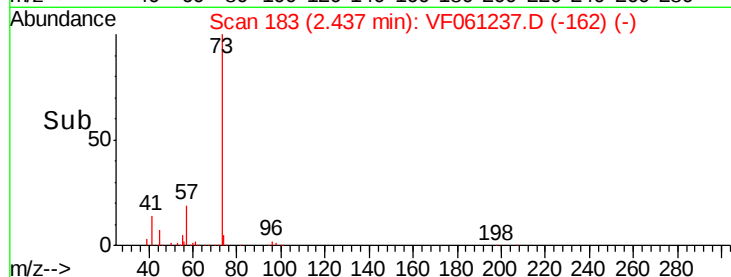
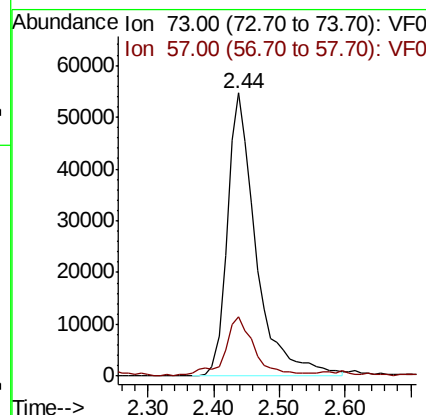
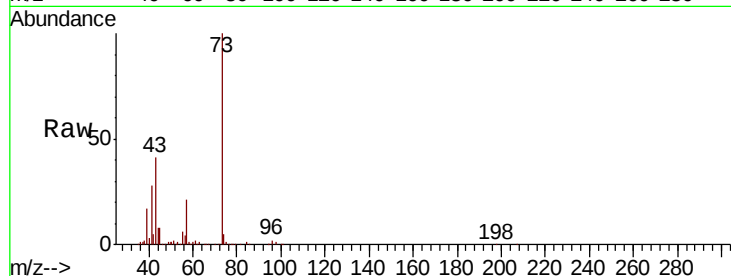
#19
Methvl tert-butvl Ether
Concen: 61.751 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MS

Tot Ion: 73 Resp: 167046
Ion Ratio Lower Upper
73 100
57 21.0 14.5 21.7

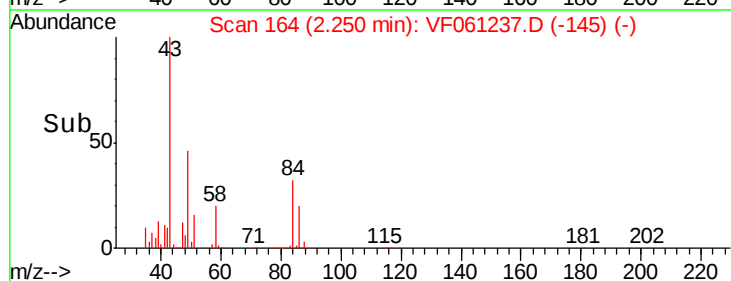
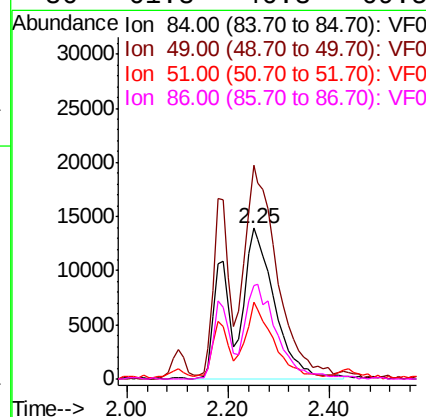
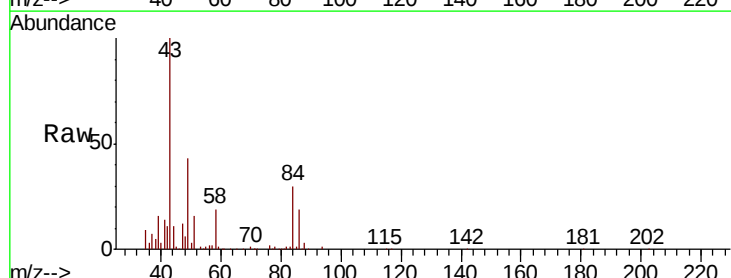
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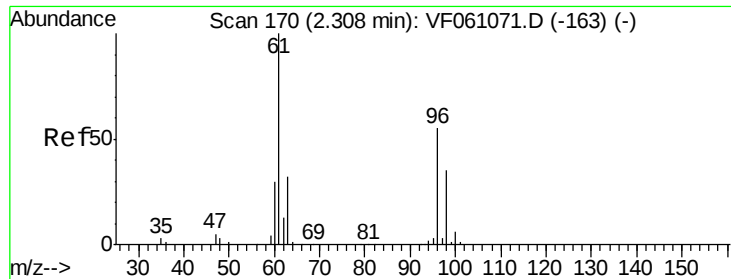
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#20
Methylene Chloride
Concen: 72.841 ug/l m
RT: 2.25 min Scan# 164
Delta R.T. -0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion: 84 Resp: 80414
Ion Ratio Lower Upper
84 100
49 141.8 129.4 194.2
51 51.3 44.0 66.0
86 61.8 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 54.905 ug/l m

RT: 2.32 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Instrument :

MSVOA_F

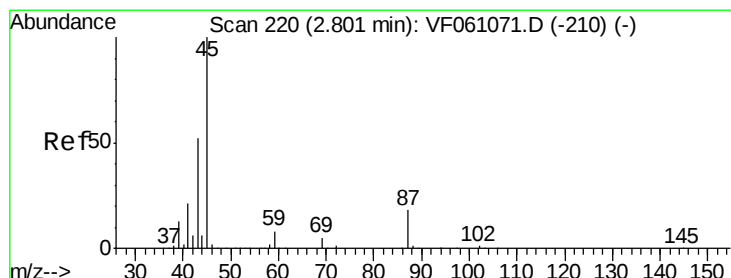
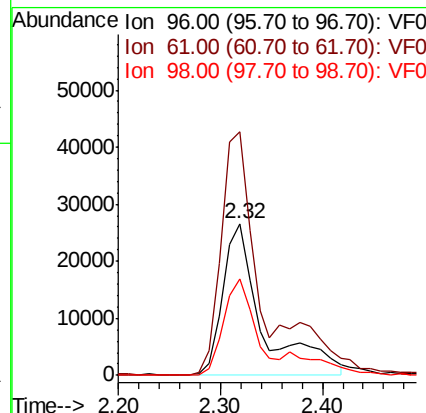
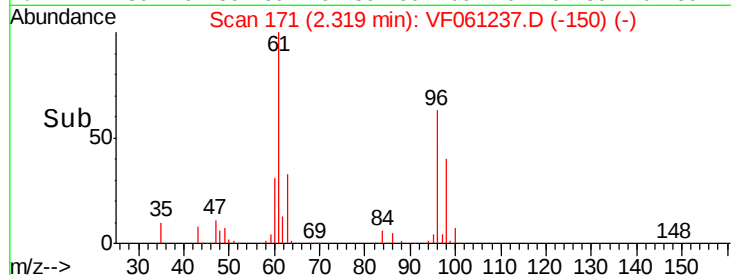
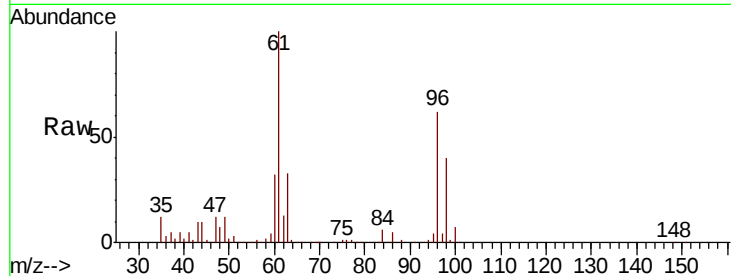
ClientSampleId :

S72-0050MS

Tot Ion:	96	Resp:	71568
Ion	Ratio	Lower	Upper
96	100		
61	160.8	146.0	219.0
98	63.7	51.6	77.4

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#22

Diisopropyl ether

Concen: 74.254 ug/l

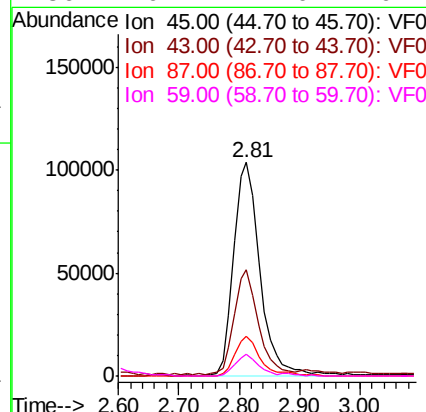
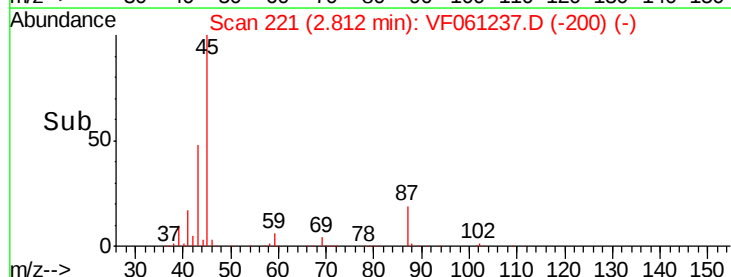
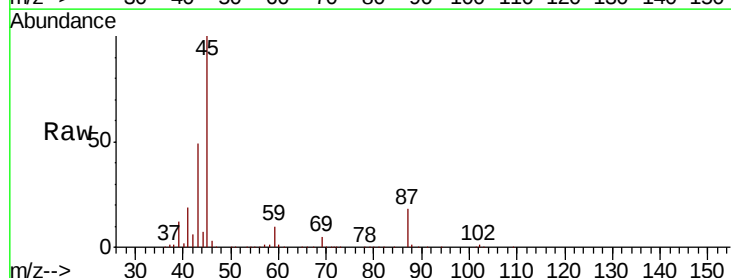
RT: 2.81 min Scan# 221

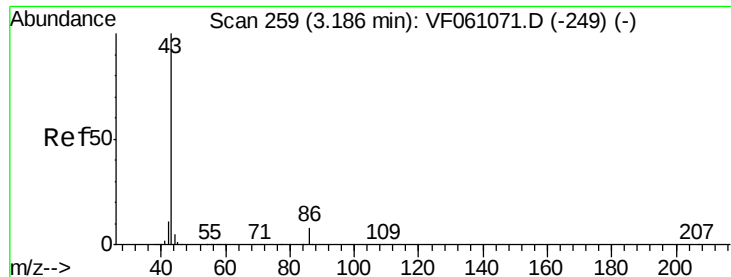
Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Tgt Ion:	45	Resp:	313697
Ion	Ratio	Lower	Upper
45	100		
43	49.5	42.2	63.2
87	18.5	14.6	22.0
59	10.1	7.0	10.4





#23

Vinyl Acetate

Concen: 342.785 ug/l

RT: 3.20 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MS

Tot Ion: 43 Resp: 668066

Ion Ratio Lower Upper

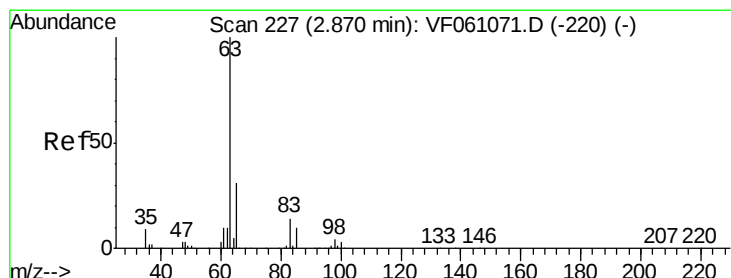
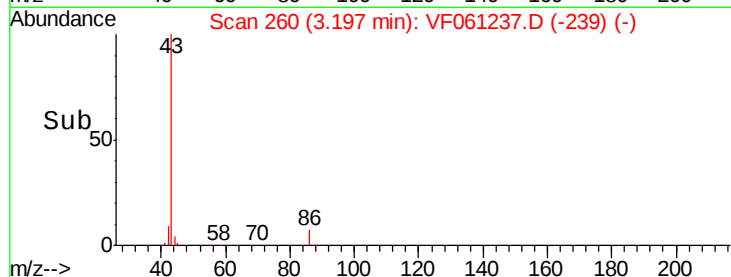
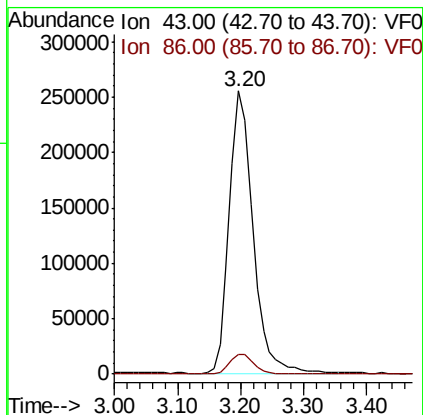
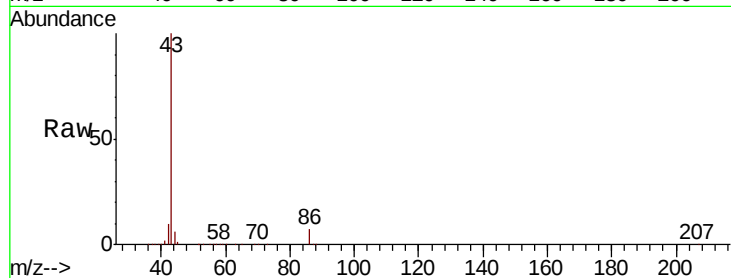
43 100

86 7.1 6.3 9.5

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#24

1,1-Dichloroethane

Concen: 62.118 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

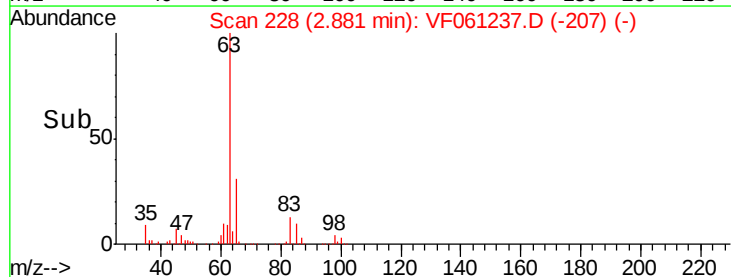
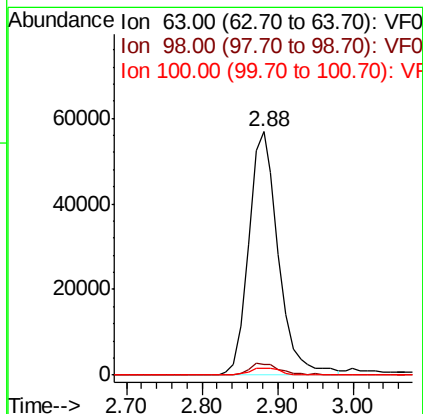
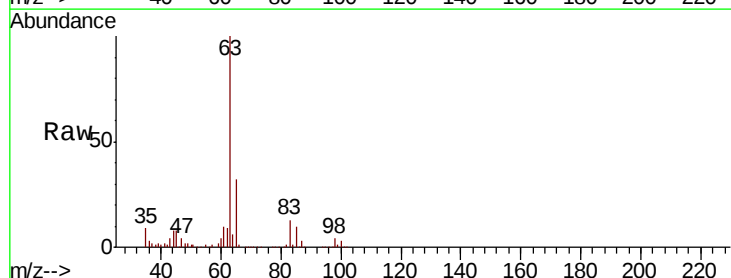
Tgt Ion: 63 Resp: 155487

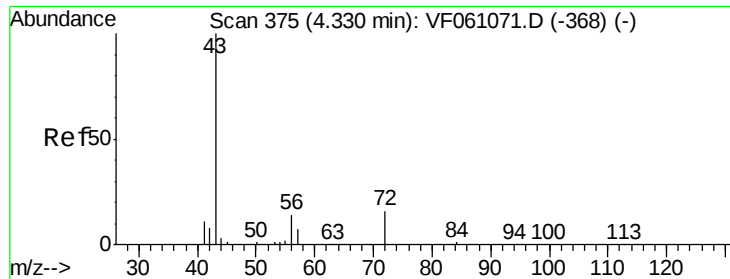
Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.5

100 3.1 1.7 5.1





#25

2-Butanone

Concen: 350.123 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MS

Tot Ion: 43 Resp: 201855

Ion Ratio Lower Upper

43 100

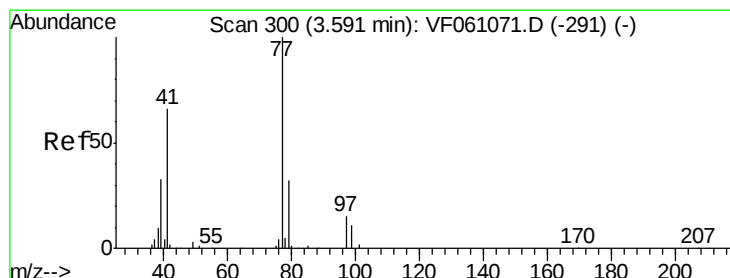
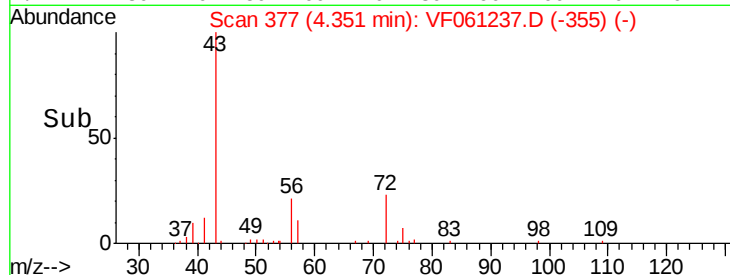
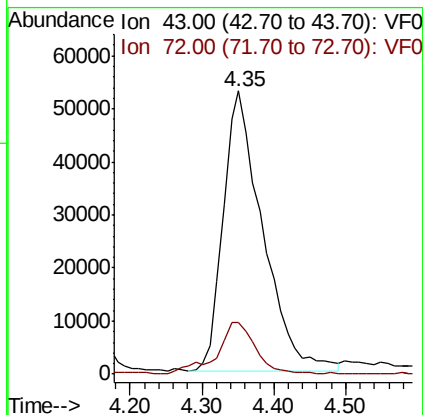
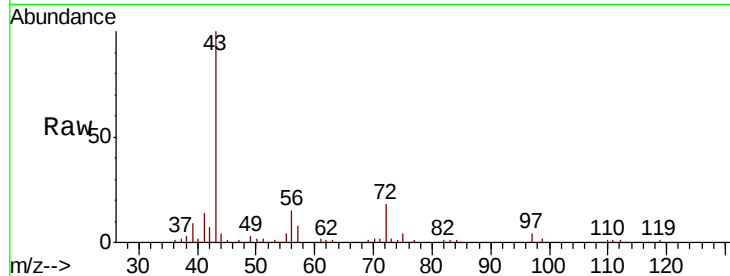
72 18.4 15.6 23.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 54.699 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.02 min

Lab File: VF061237.D

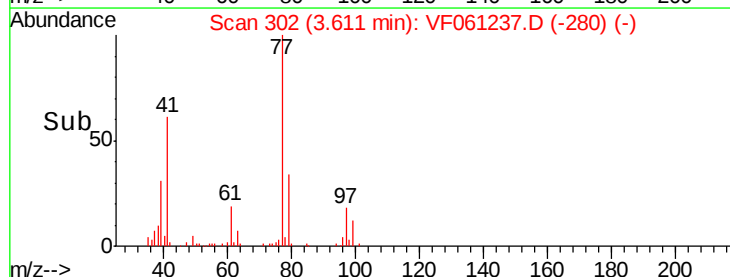
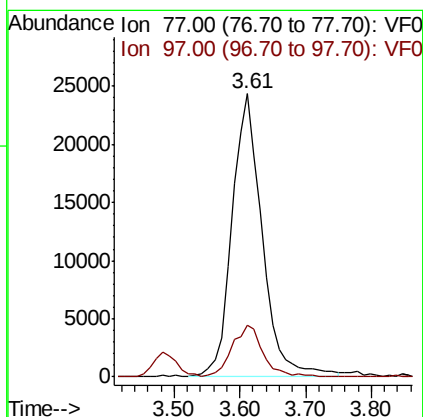
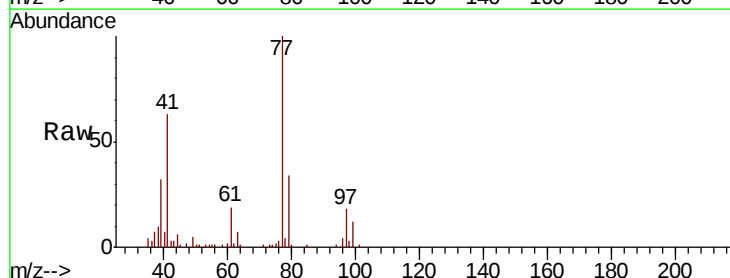
Acq: 28 Dec 2018 15:49

Tgt Ion: 77 Resp: 78573

Ion Ratio Lower Upper

77 100

97 18.2 8.2 24.4





#27

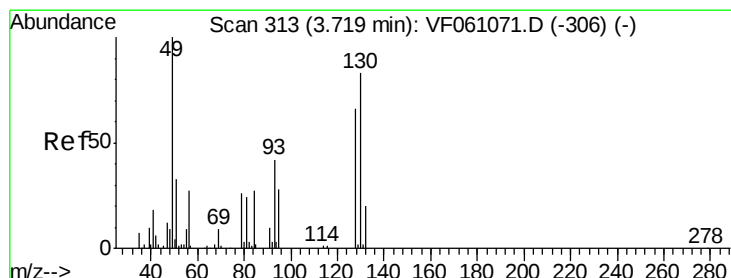
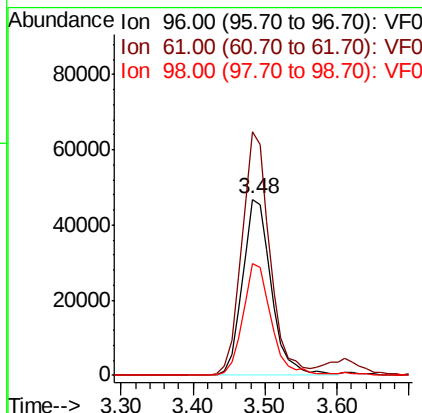
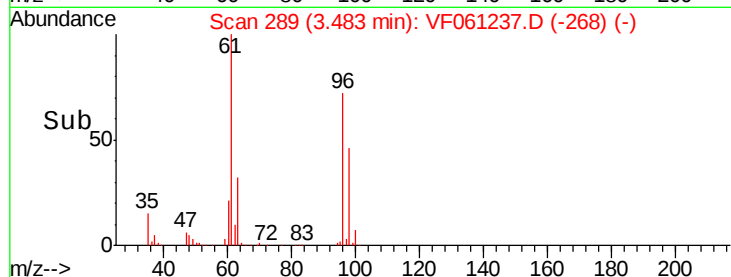
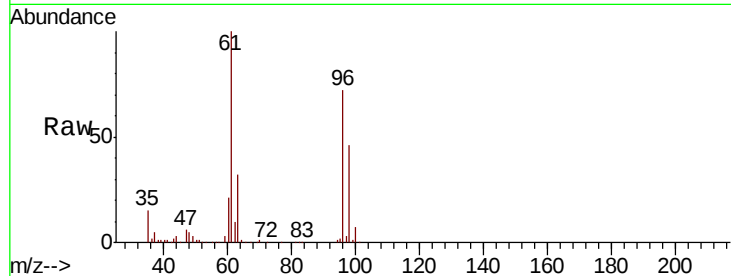
cis-1,2-Dichloroethene
Concen: 65.756 ug/l
RT: 3.48 min Scan# 289
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	131219		
61	138.4	0.0	287.8	
98	63.5	0.0	134.2	

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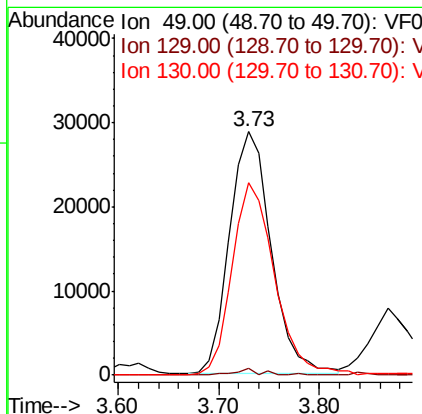
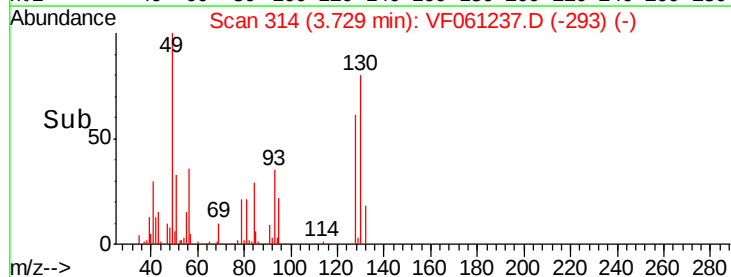
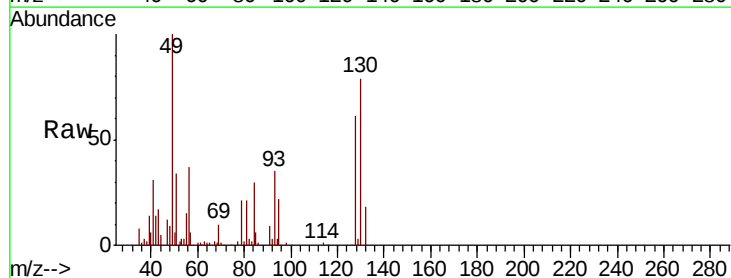
MMDadoda
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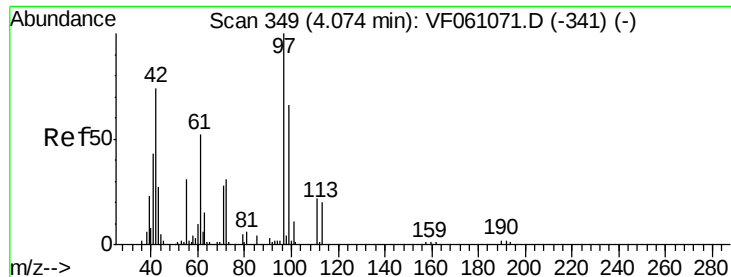


#28

Bromochloromethane
Concen: 65.466 ug/l
RT: 3.73 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	83146		
129	2.7	0.0	3.6	
130	79.2	65.8	98.6	





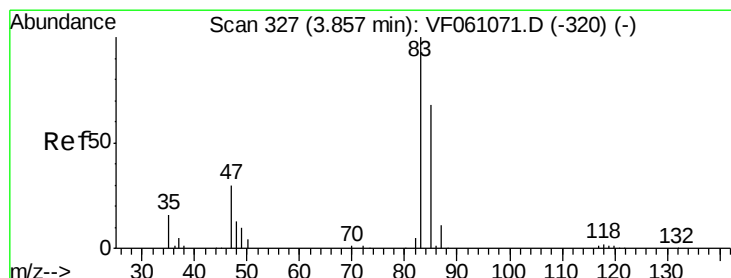
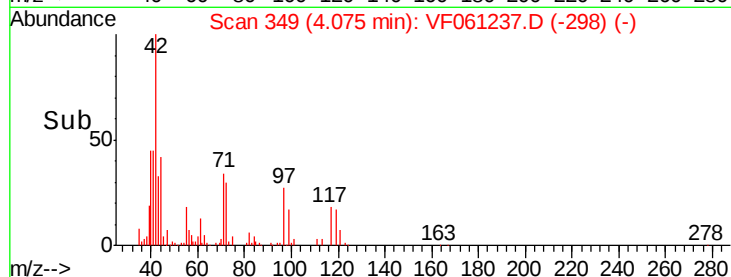
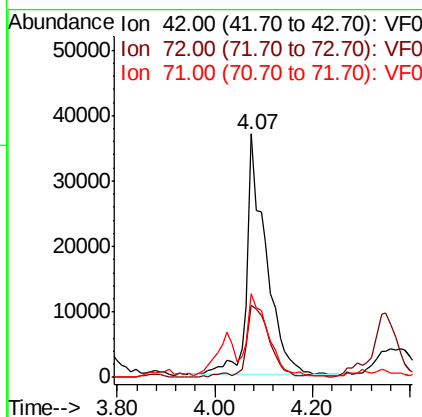
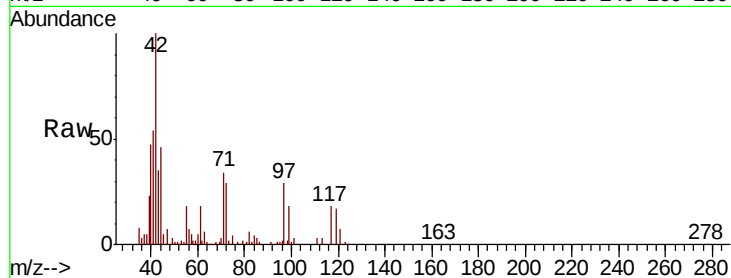
#29
Tetrahydrofuran
Concen: 430.296 ug/l
RT: 4.07 min Scan# 349
Delta R.T. 0.00 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	32.7	31.8	47.8
71	37.8	29.7	44.5

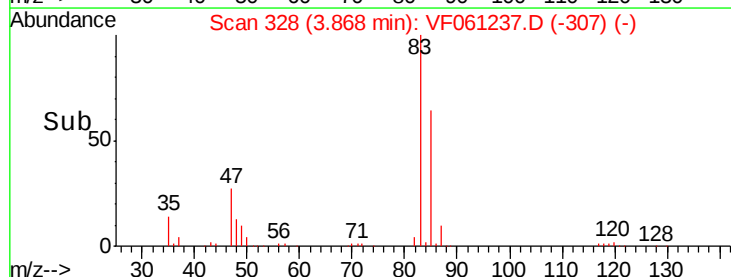
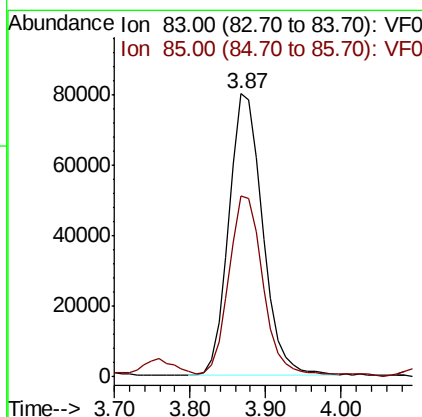
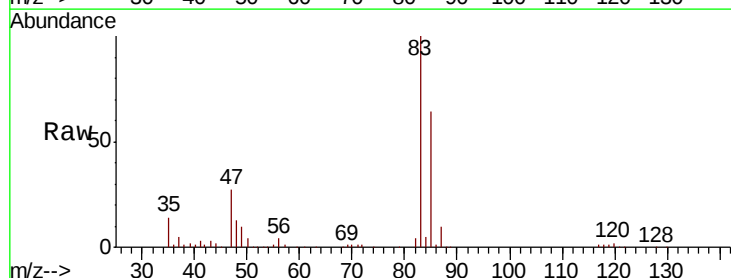
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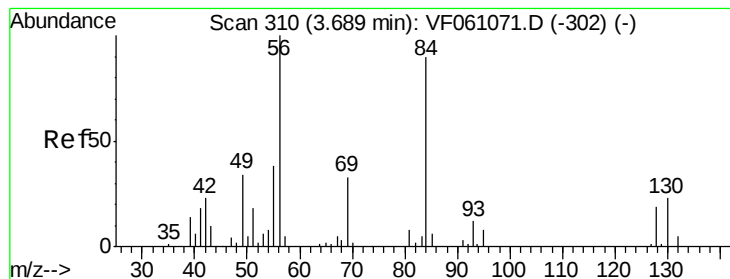
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#30
Chloroform
Concen: 65.994 ug/l
RT: 3.87 min Scan# 328
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	54.5	81.7





#31

Cyclohexane

Concen: 43.768 ug/l

RT: 3.70 min Scan# 311

Delta R.T. 0.01 min

Lab File: VF061237.D

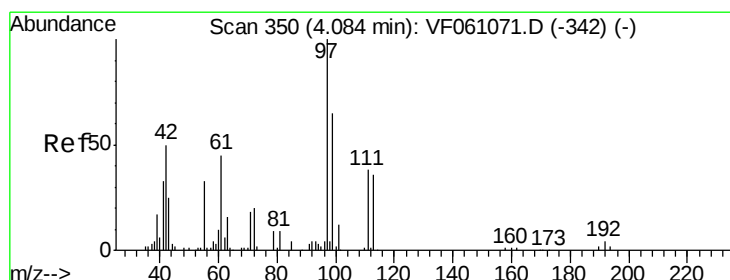
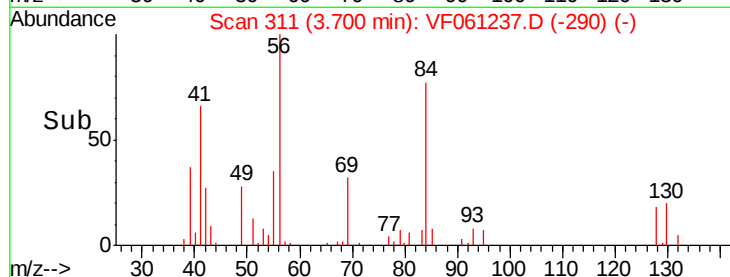
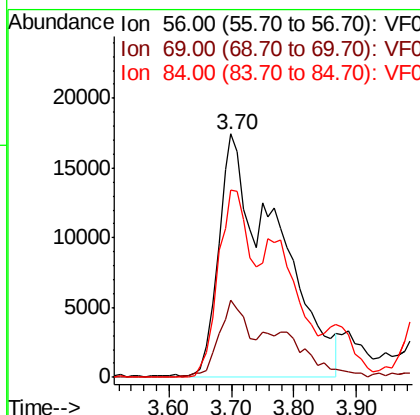
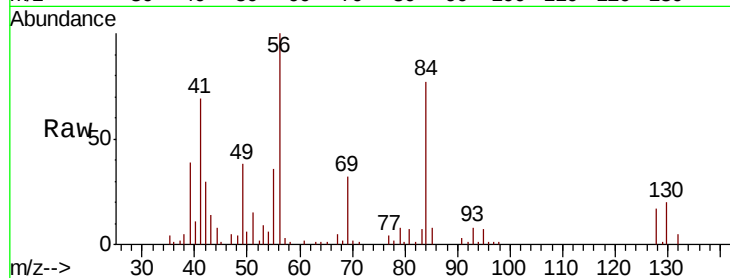
Acq: 28 Dec 2018 15:49

Tot Ion:	56	Resp:	113682
Ion Ratio	Lower	Upper	
56	100		
69	31.7	26.0	39.0
84	76.9	71.4	107.2

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MS

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#32

1,1,1-Trichloroethane

Concen: 50.614 ug/l

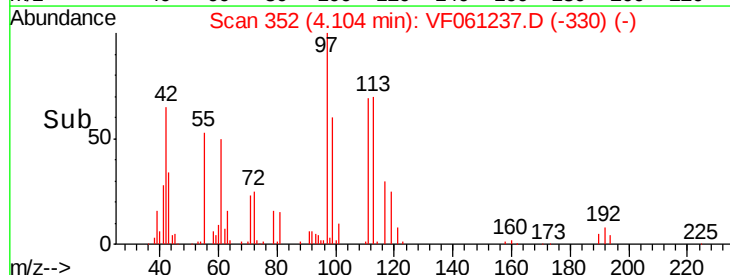
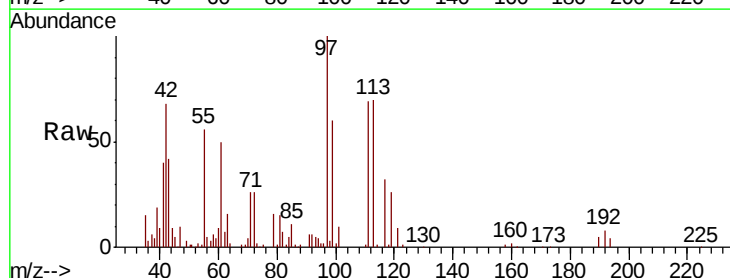
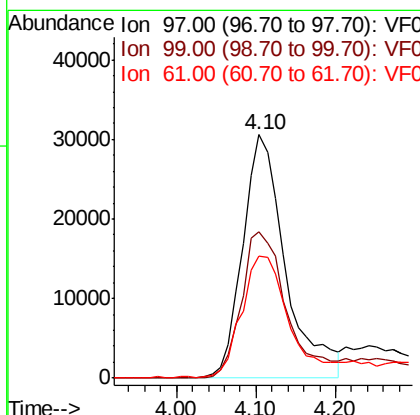
RT: 4.10 min Scan# 352

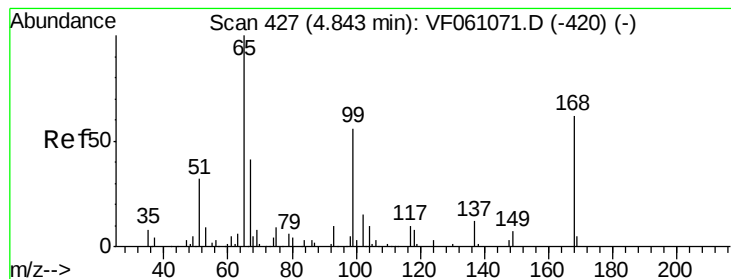
Delta R.T. 0.02 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Tgt Ion:	97	Resp:	113862
Ion Ratio	Lower	Upper	
97	100		
99	60.1	51.6	77.4
61	49.9	36.2	54.2





#33

1,2-Dichloroethane-d4

Concen: 56.479 ug/l

RT: 4.86 min Scan# 429

Delta R.T. 0.02 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MS

Tot Ion: 65 Resp: 100432

Ion Ratio Lower Upper

65 100

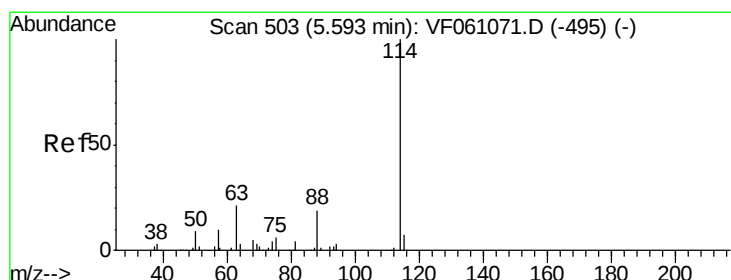
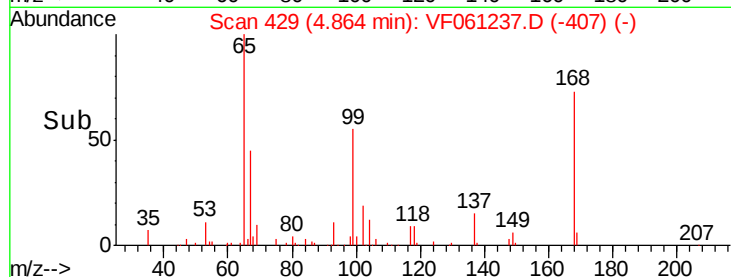
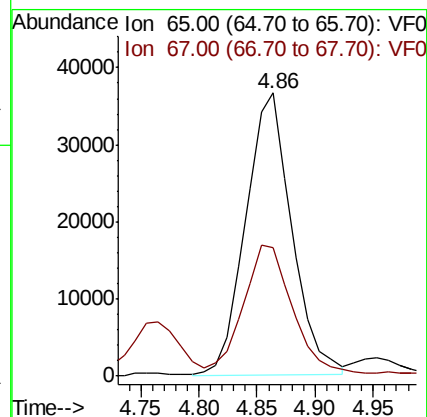
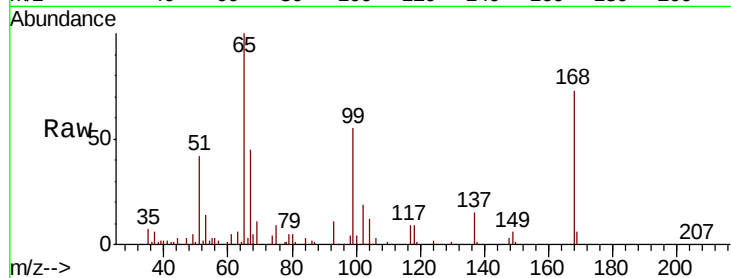
67 45.4 0.0 94.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.02 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

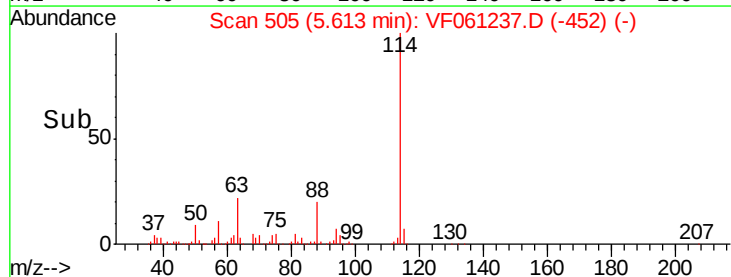
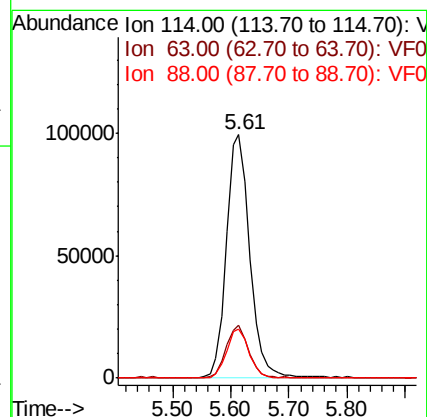
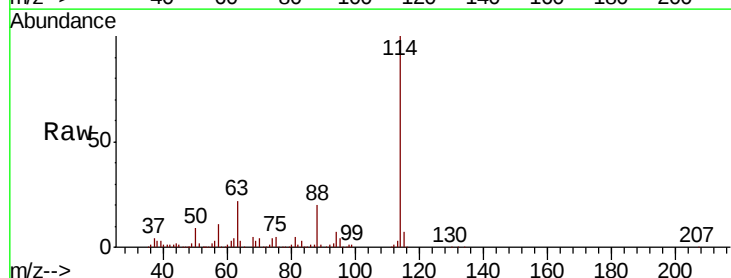
Tgt Ion: 114 Resp: 277704

Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.6

88 20.0 0.0 38.0





#35

Dibromofluoromethane

Concen: 56.735 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Instrument :

MSVOA_F

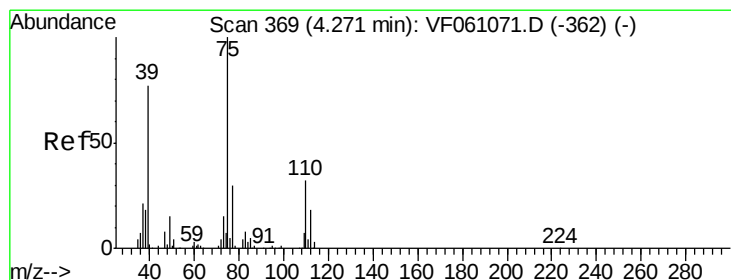
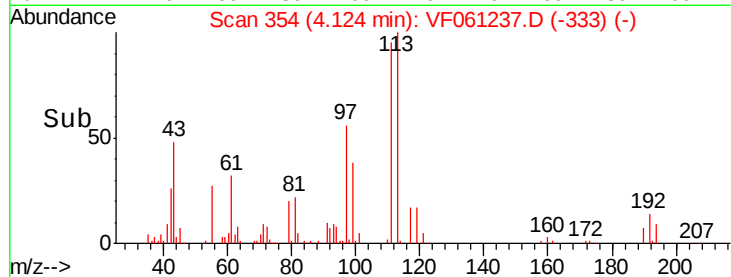
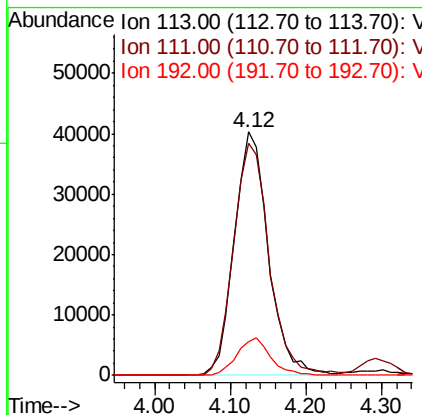
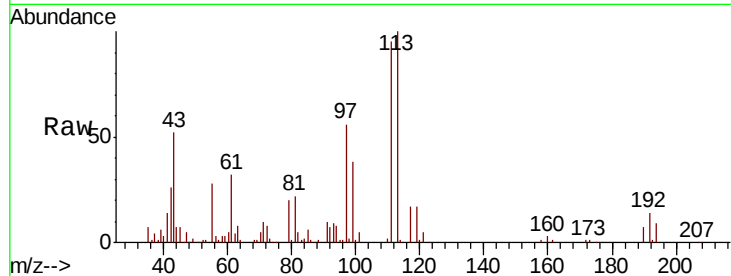
ClientSampleId :

S72-0050MS

Tot Ion:	113	Resp:	126210
Ion Ratio	Lower	Upper	
113	100		
111	95.3	85.2	127.8
192	14.3	12.8	19.2

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#36

1,1-Dichloropropene

Concen: 42.450 ug/l

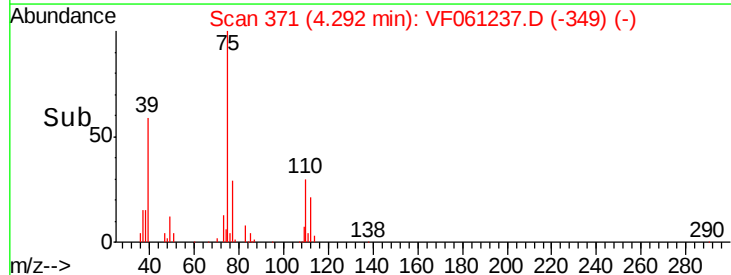
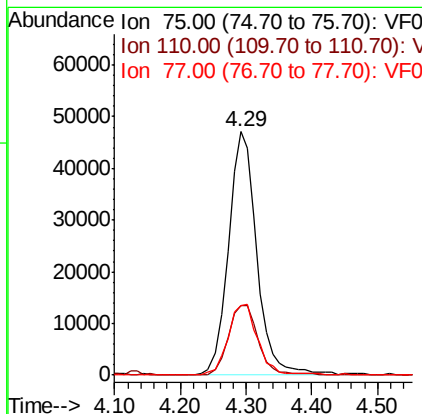
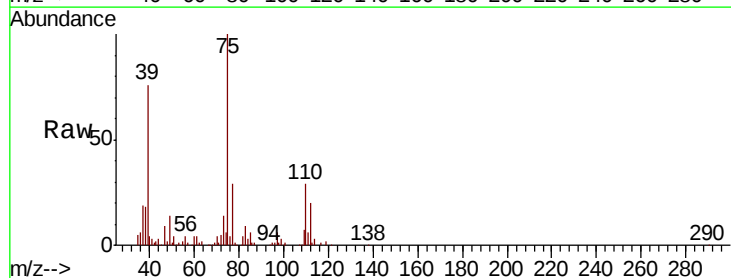
RT: 4.29 min Scan# 371

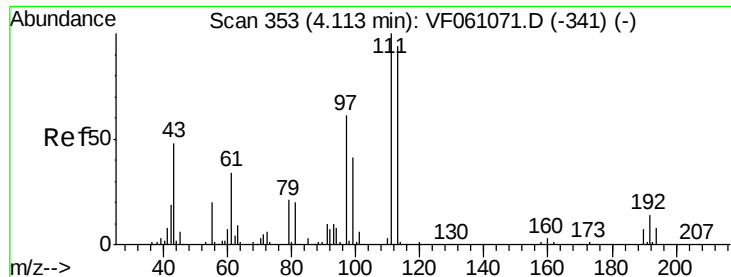
Delta R.T. 0.02 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Tgt Ion:	75	Resp:	142297
Ion Ratio	Lower	Upper	
75	100		
110	28.7	16.1	48.2
77	28.5	24.5	36.7





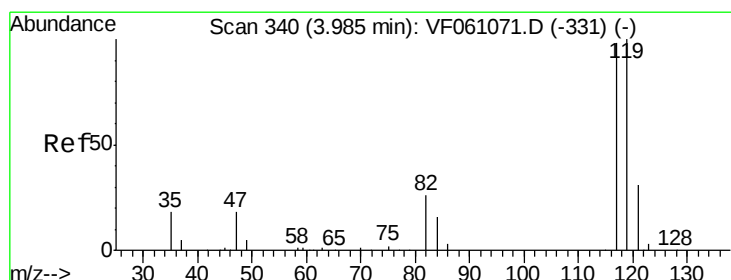
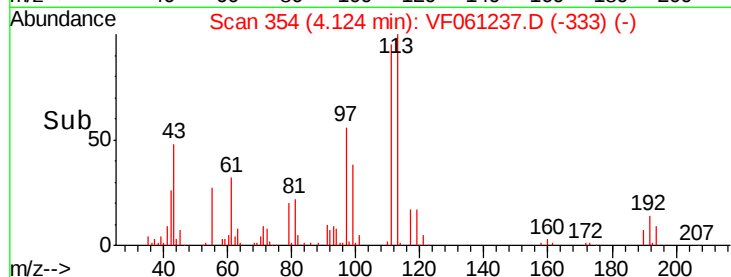
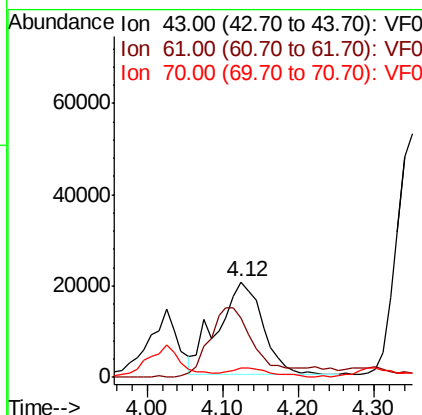
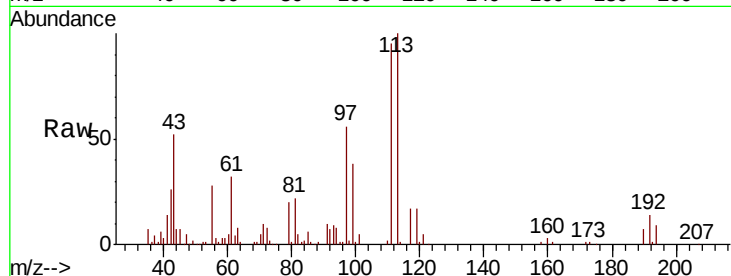
#37
Ethyl Acetate
Concen: 69.013 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	62.6	56.6	84.8
70	9.4	6.3	9.5

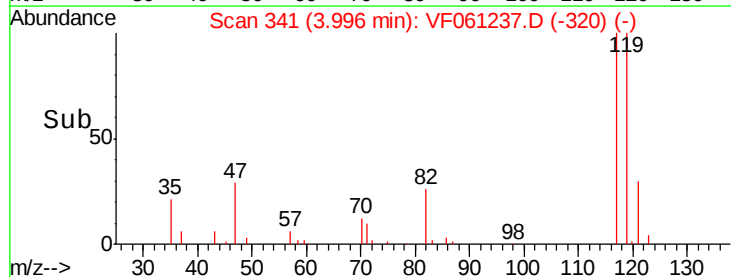
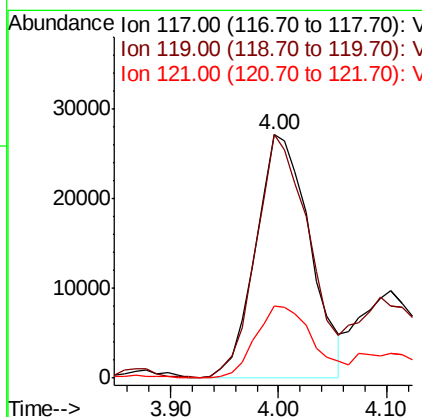
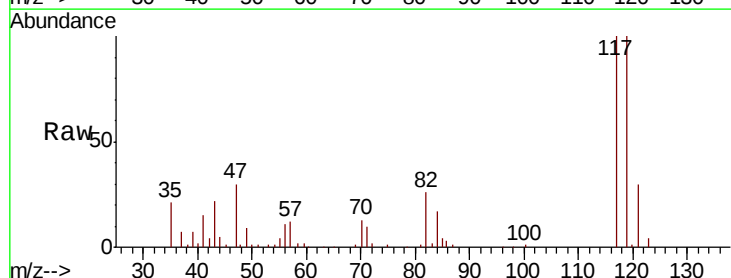
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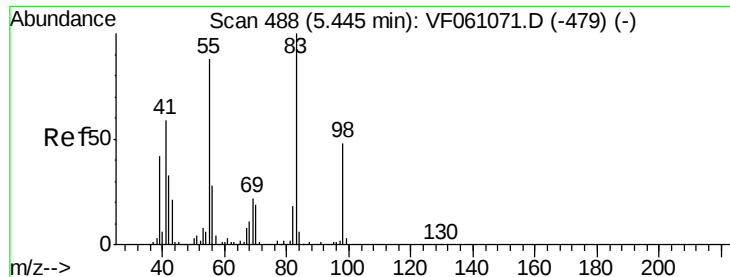
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#38
Carbon Tetrachloride
Concen: 36.998 ug/l
RT: 4.00 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.9	82.1	123.1
121	29.9	25.5	38.3





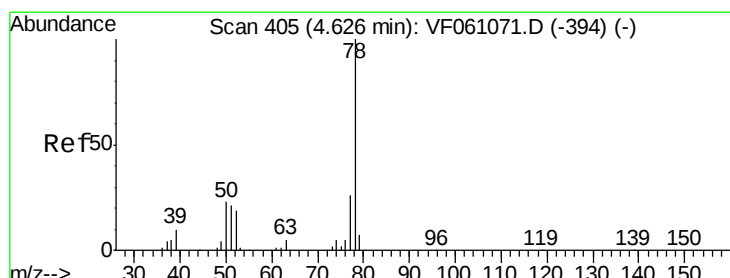
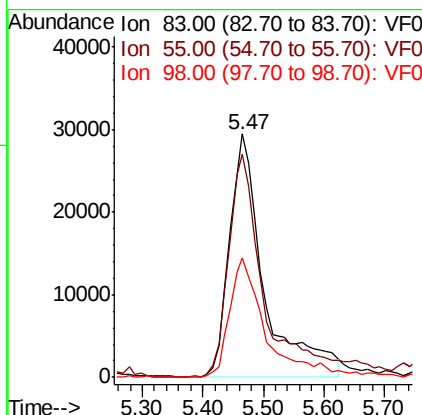
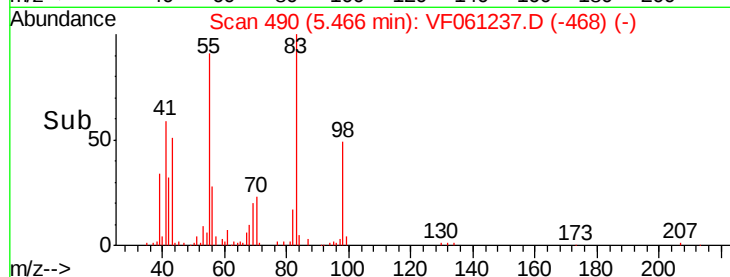
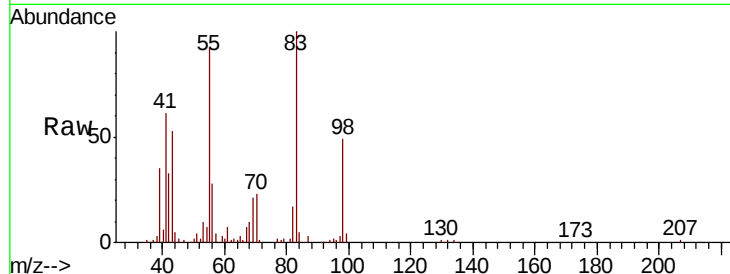
#39
Methvlcvclohexane
Concen: 39.662 ug/l
RT: 5.47 min Scan# 490
Delta R.T. 0.02 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	91.6	70.6	105.8	
98	48.9	38.5	57.7	

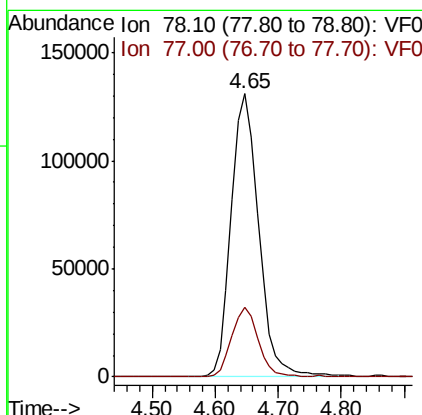
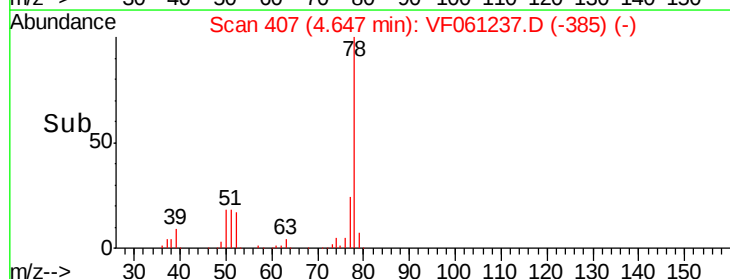
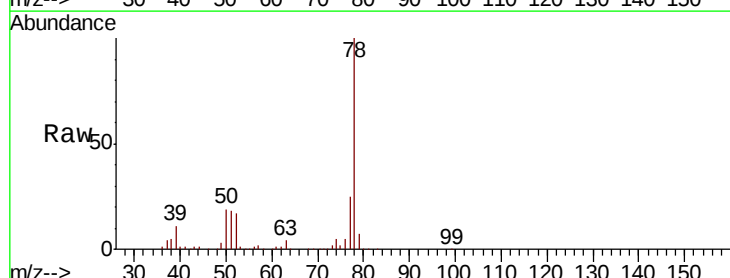
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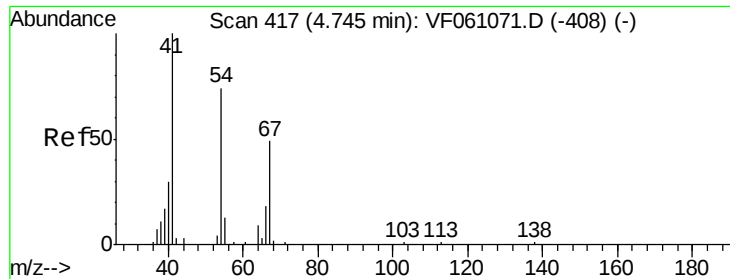
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#40
Benzene
Concen: 55.045 ug/l
RT: 4.65 min Scan# 407
Delta R.T. 0.02 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.5	20.7	31.1	





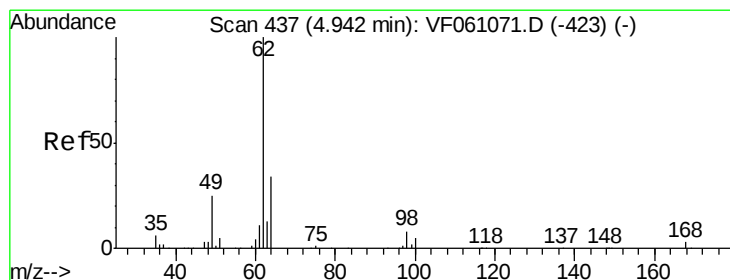
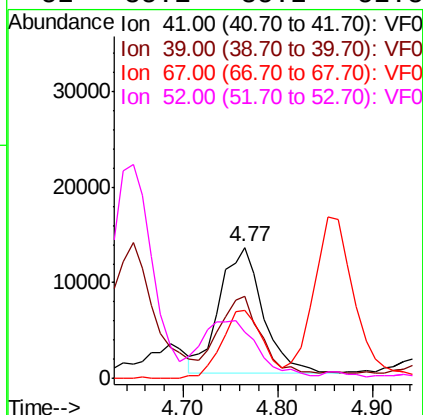
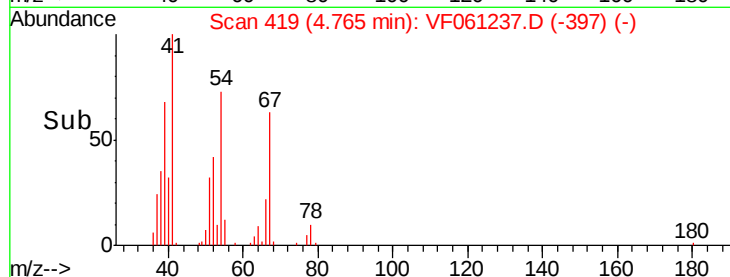
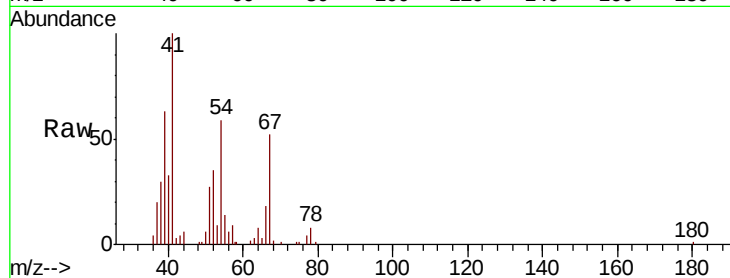
#41
Methacrylonitrile
Concen: 58.882 ug/l
RT: 4.77 min Scan# 419
Delta R.T. 0.02 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	41684		
39	39	62.9		45.7	68.5
67	67	51.9		38.9	58.3
52	52	35.1		35.2	52.8#

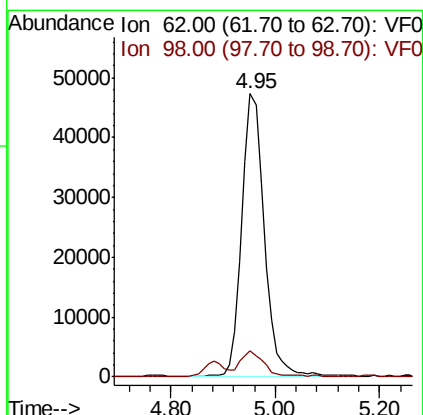
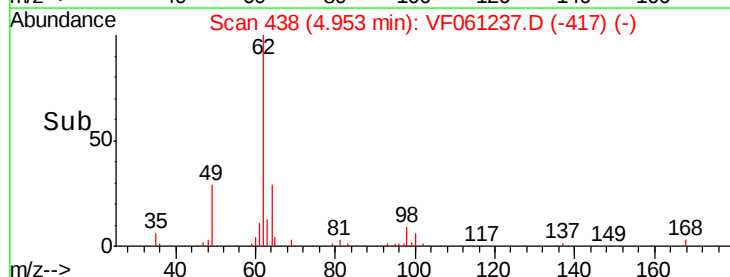
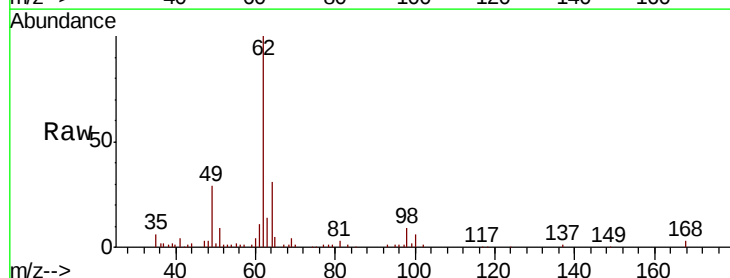
Manual Integrations
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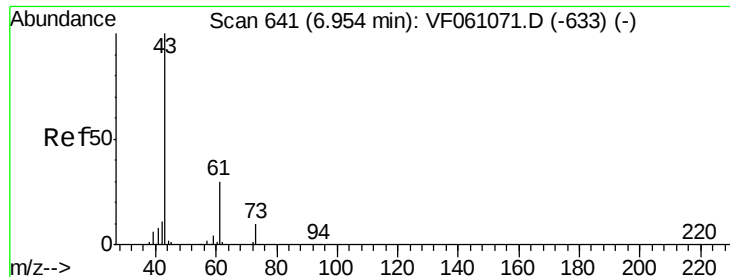
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.458 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100	138175		
98	98	9.0		0.0	16.6





#43

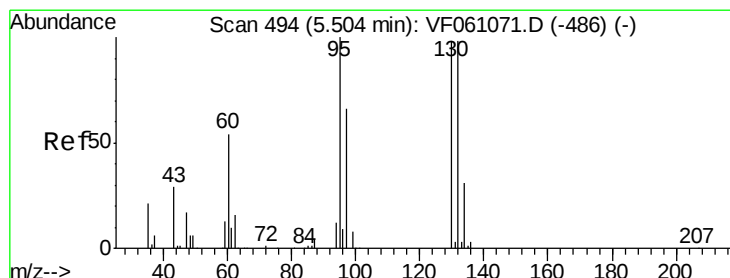
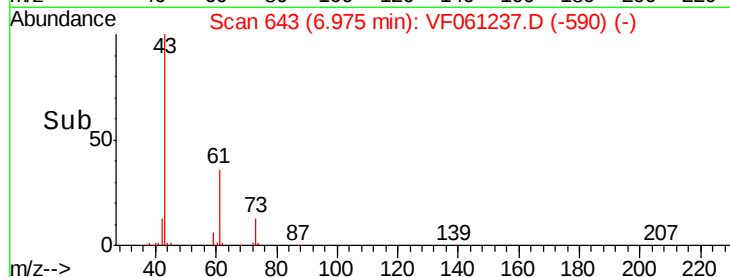
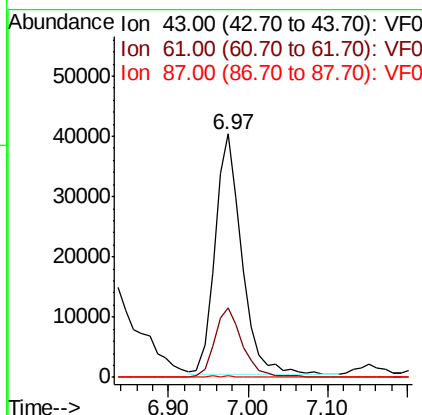
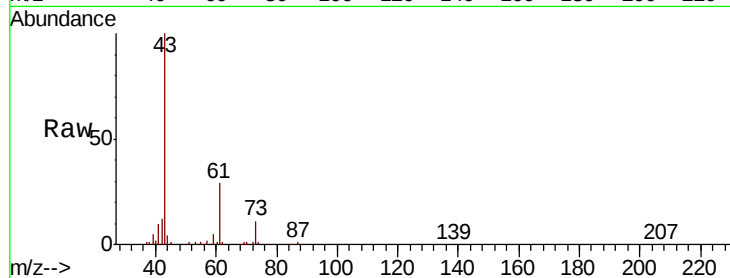
Isopropyl Acetate
 Concen: 57.884 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. 0.02 min
 Lab File: VF061237.D
 Acq: 28 Dec 2018 15:49

Instrument :
 MSVOA_F
 ClientSampleID :
 S72-0050MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.6	23.8	35.8
87	0.6	0.0	0.0#

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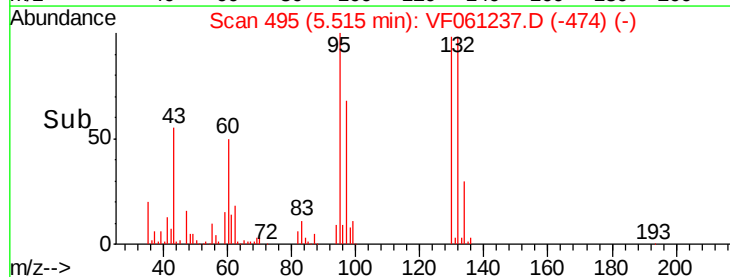
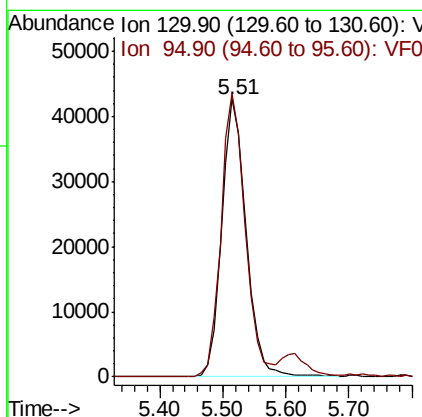
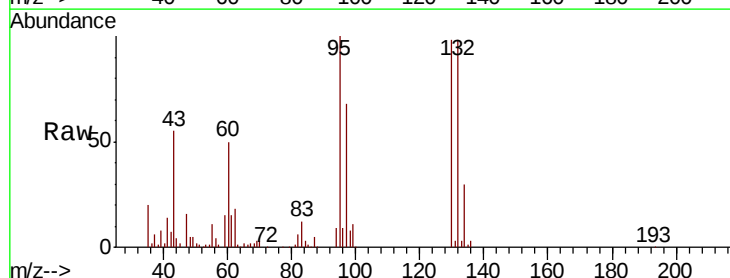
MMDadoda
 1/2/2019 11:52:38 AM

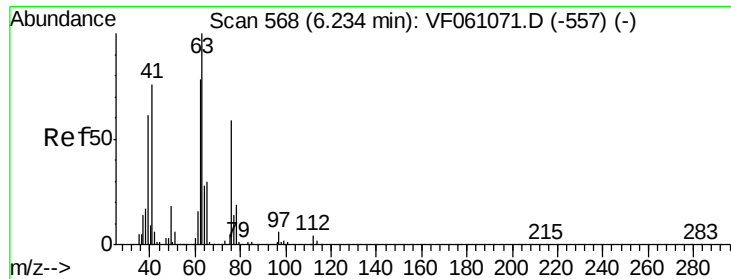


#44

Trichloroethene
 Concen: 50.639 ug/l
 RT: 5.51 min Scan# 495
 Delta R.T. 0.01 min
 Lab File: VF061237.D
 Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	205.2





#45

1,2-Dichloropropane

Concen: 55.272 ug/l

RT: 6.24 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MS

Tot Ion: 63 Resp: 108401

Ion Ratio Lower Upper

63 100

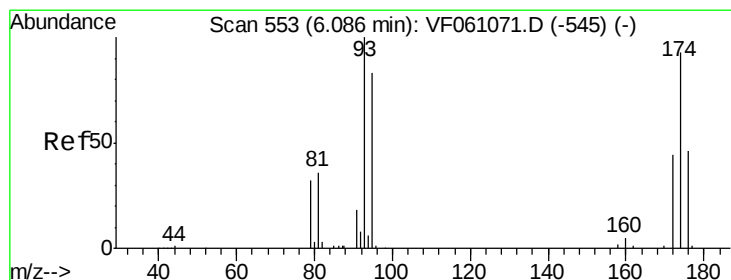
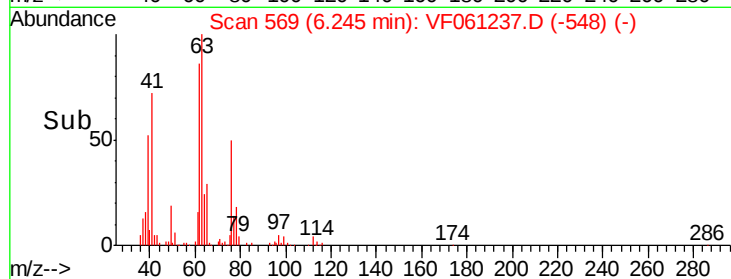
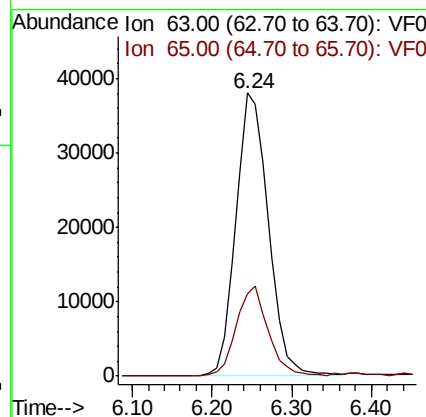
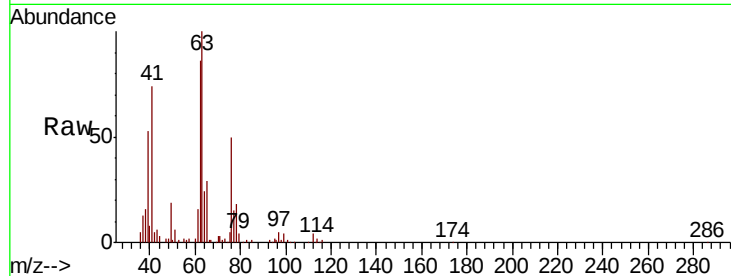
65 29.2 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 54.189 ug/l

RT: 6.10 min Scan# 554

Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

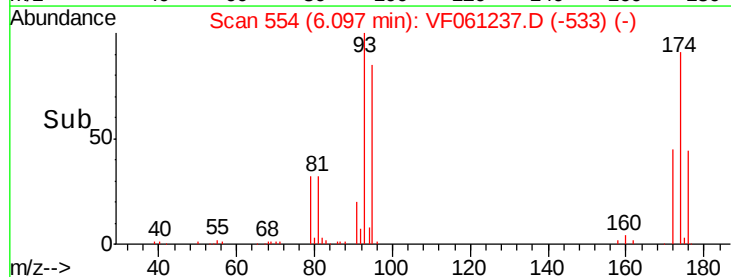
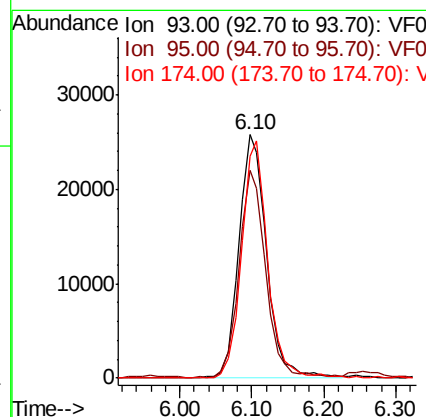
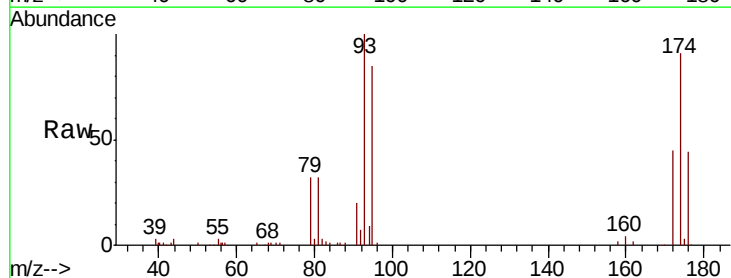
Tgt Ion: 93 Resp: 68930

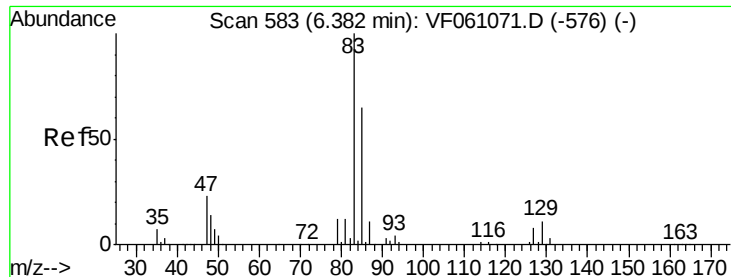
Ion Ratio Lower Upper

93 100

95 85.1 66.9 100.3

174 91.2 74.1 111.1





#47

Bromodichloromethane

Concen: 52.550 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.02 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Instrument :

MSVOA_F

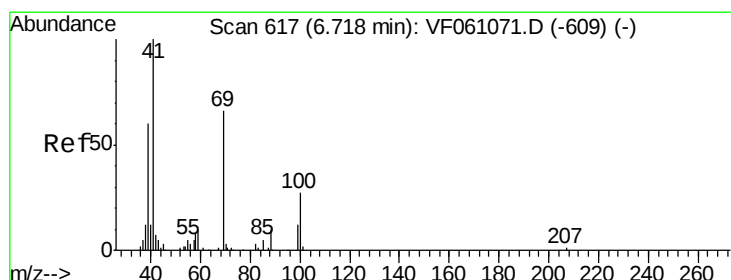
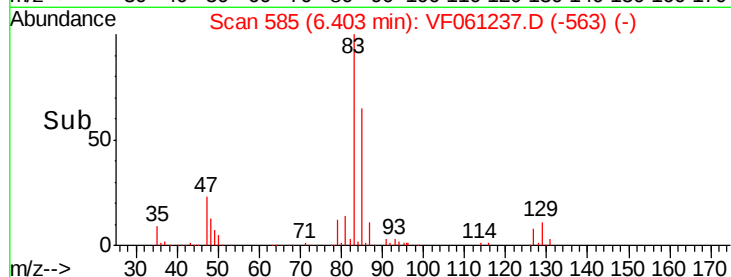
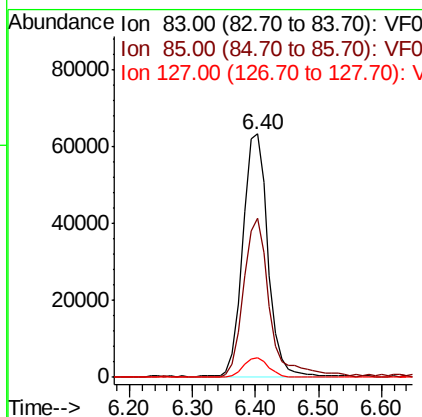
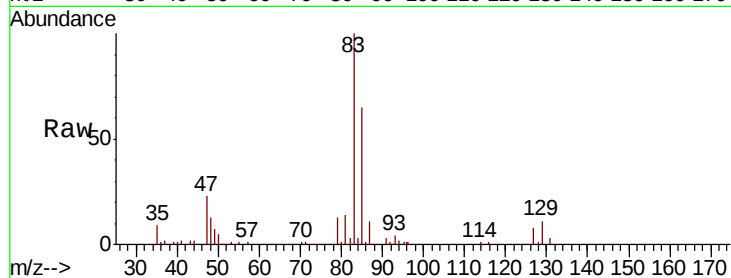
ClientSampleId :

S72-0050MS

Tot Ion:	83	Resp:	173680
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4
127	8.3	6.1	9.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.945 ug/l

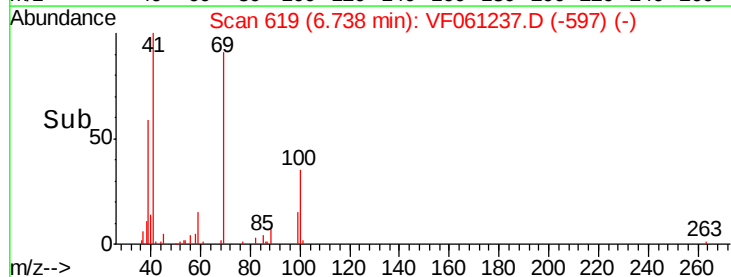
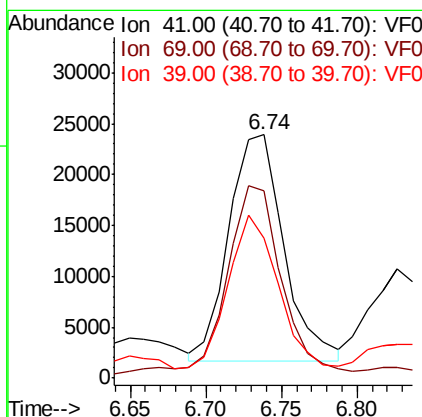
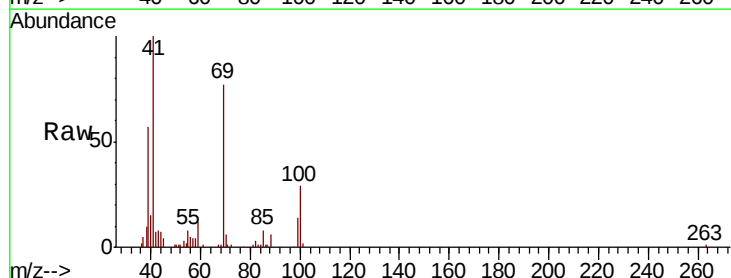
RT: 6.74 min Scan# 619

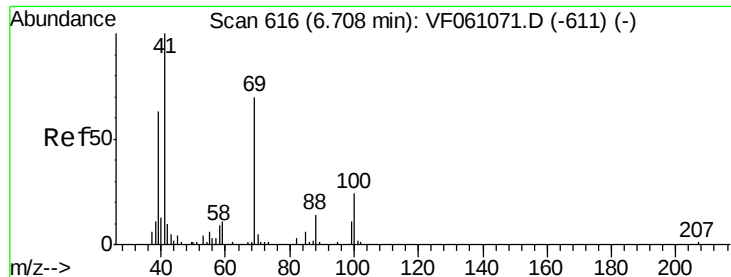
Delta R.T. 0.02 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Tgt Ion:	41	Resp:	56434
Ion	Ratio	Lower	Upper
41	100		
69	77.0	52.7	79.1
39	57.3	47.8	71.6





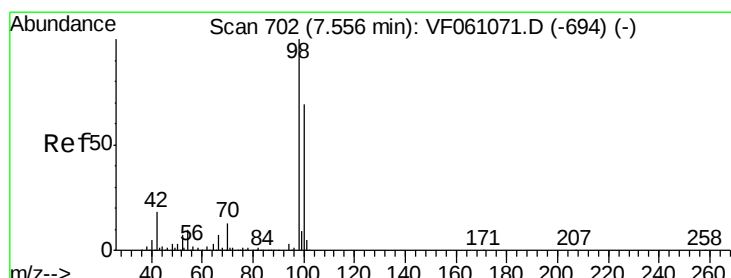
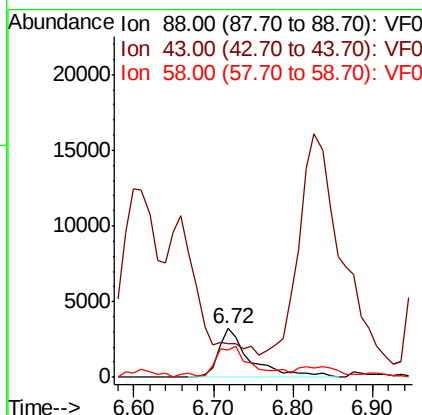
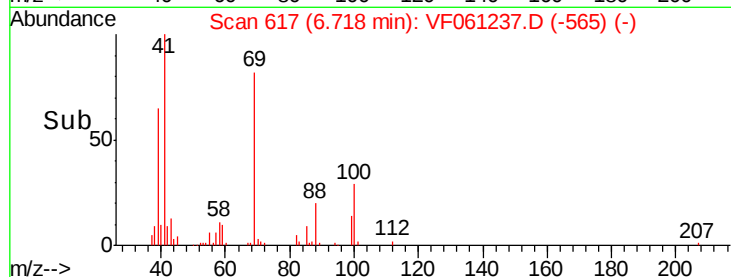
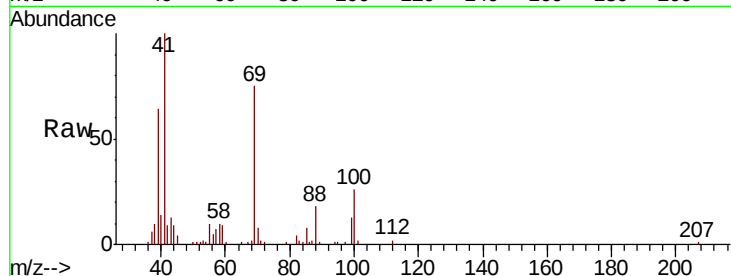
#49
1,4-Dioxane
Concen: 1108.592 ug/l
RT: 6.72 min Scan# 617
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MS

Tot Ion	Ratio	Resp	Lower	Upper
88	100	9089		
43	70.3		33.3	49.9#
58	55.4		53.2	79.8

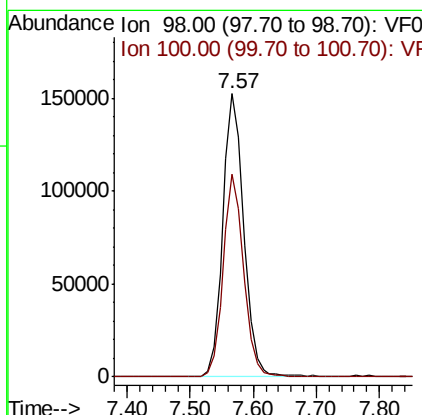
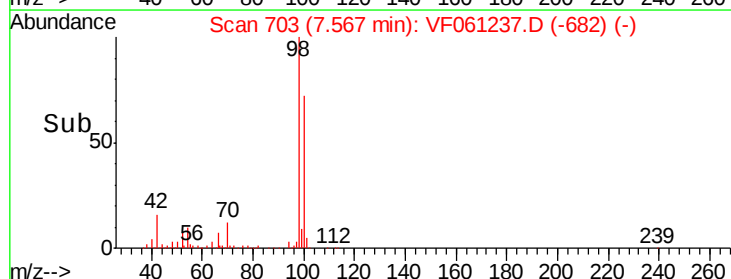
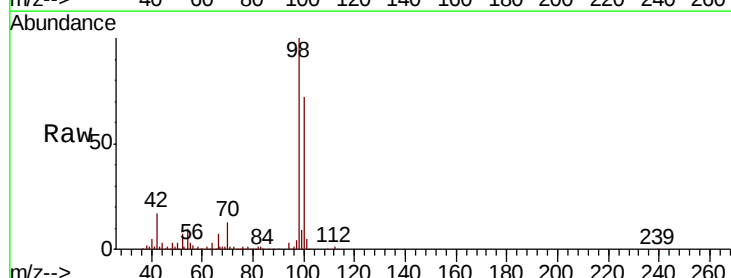
Manual Integrations
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#50
Toluene-d8
Concen: 56.196 ug/l
RT: 7.57 min Scan# 703
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	354267		
100	71.6		55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 298.493 ug/l

RT: 8.27 min Scan# 774

Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MS

Tot Ion: 43 Resp: 331339

Ion Ratio Lower Upper

43 100

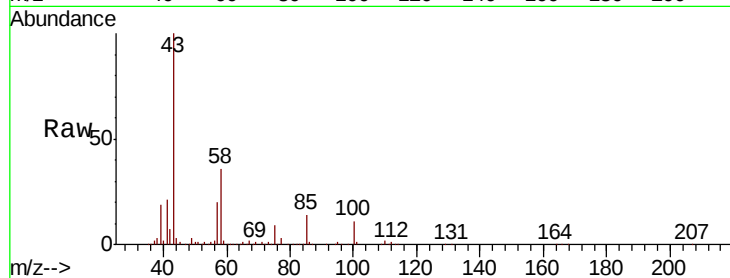
58 35.8 29.1 43.7

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

150000

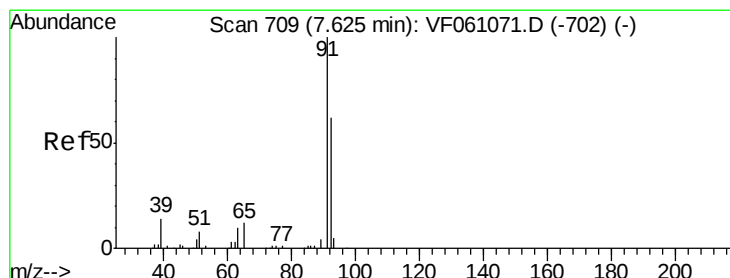
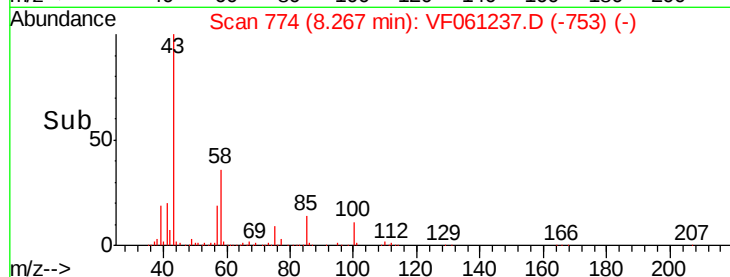
100000

50000

0

8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 55.343 ug/l

RT: 7.64 min Scan# 710

Delta R.T. 0.01 min

Lab File: VF061237.D

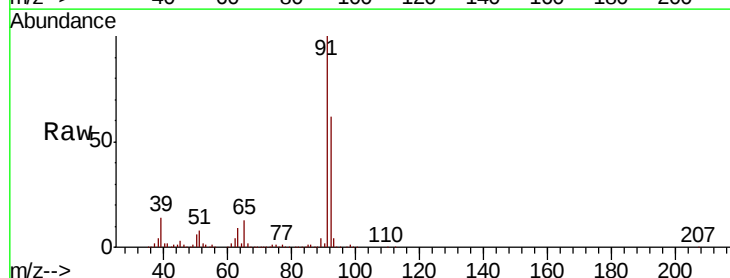
Acq: 28 Dec 2018 15:49

Tgt Ion: 92 Resp: 264085

Ion Ratio Lower Upper

92 100

91 161.0 128.8 193.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

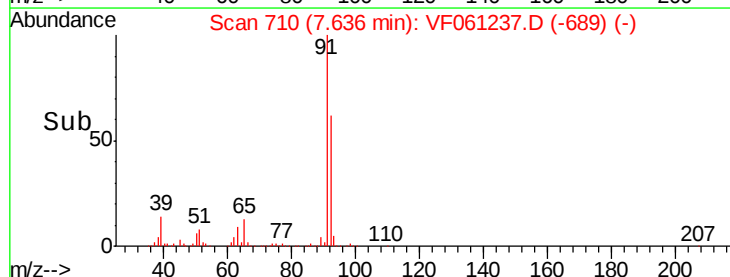
100000

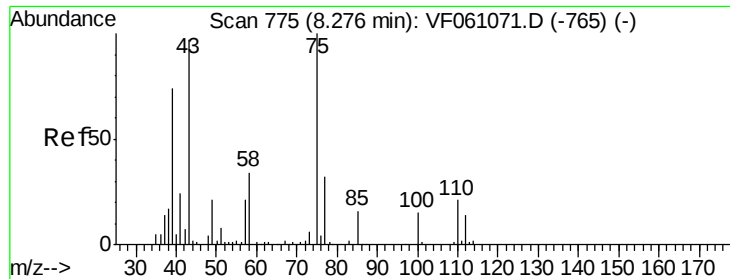
50000

0

7.50 7.60 7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 52.875 ug/l

RT: 8.30 min Scan# 777

Delta R.T. 0.02 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MS

Tot Ion: 75 Resp: 140977

Ion Ratio Lower Upper

75 100

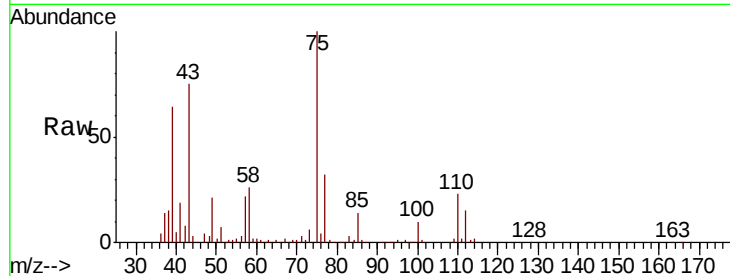
77 32.5 25.8 38.8

Manual Integrations

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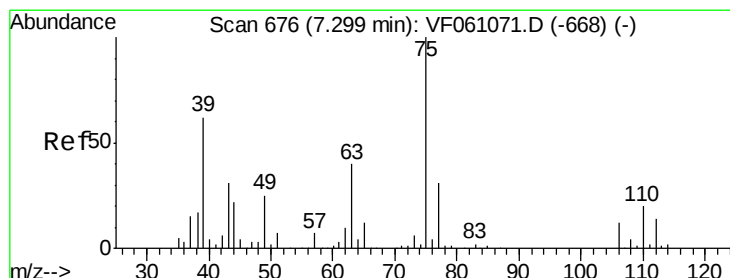
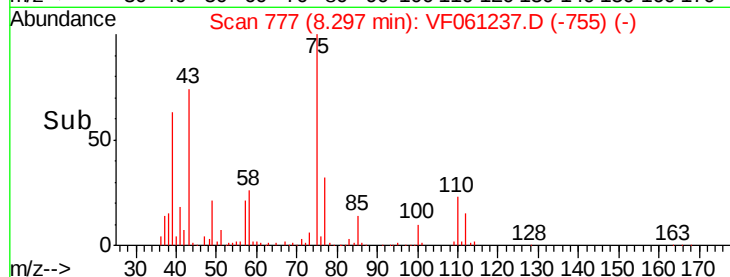
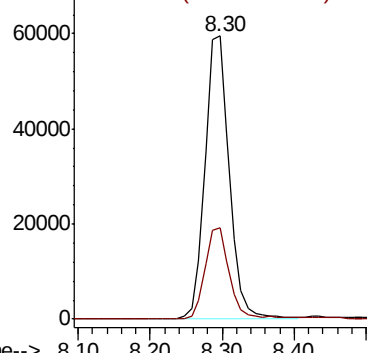
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 55.080 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

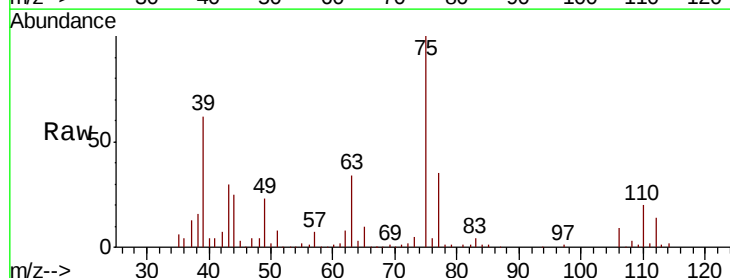
Tgt Ion: 75 Resp: 184316

Ion Ratio Lower Upper

75 100

77 34.9 25.0 37.4

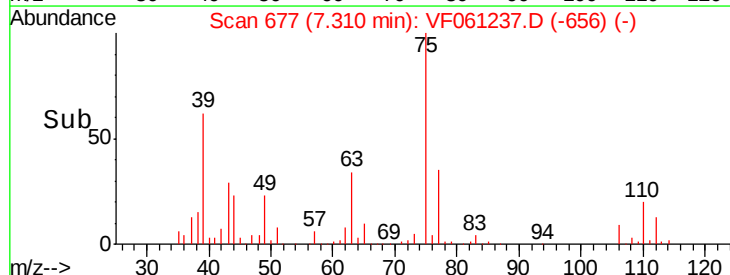
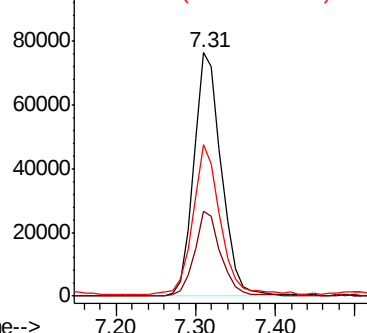
39 62.4 50.1 75.1

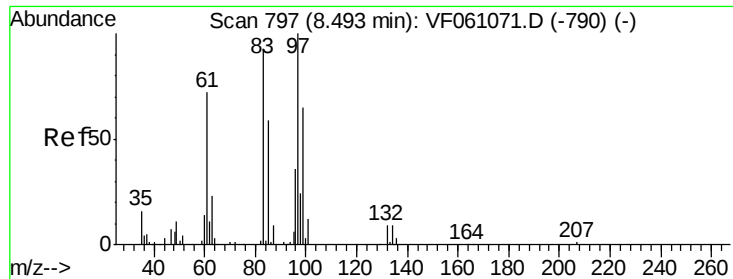


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 54.069 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Instrument :

MSVOA_F

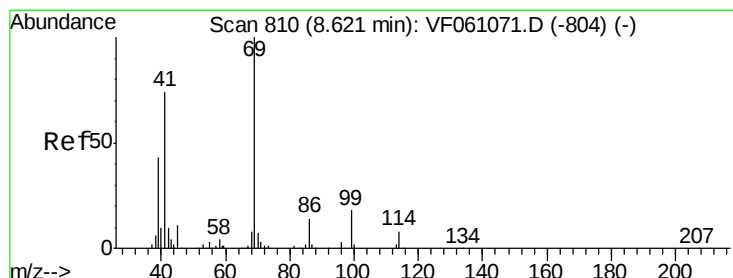
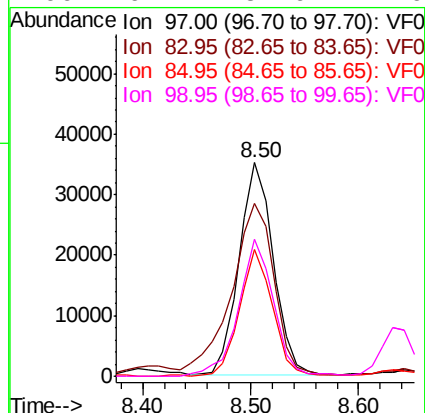
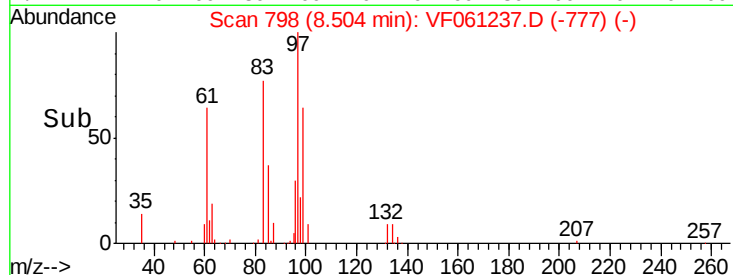
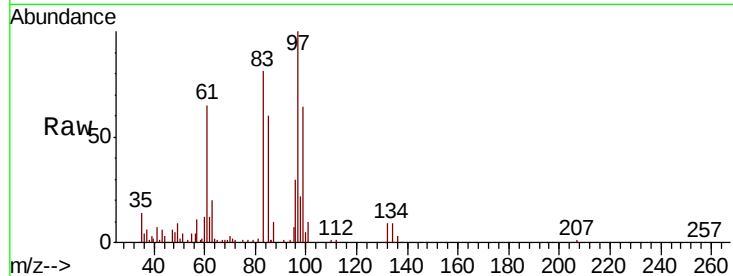
ClientSampleId :

S72-0050MS

Tot Ion:	97	Resp:	77345
Ion	Ratio	Lower	Upper
97	100		
83	80.8	75.0	112.4
85	59.6	47.5	71.3
99	64.2	51.9	77.9

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#56

Ethyl methacrylate

Concen: 66.208 ug/l

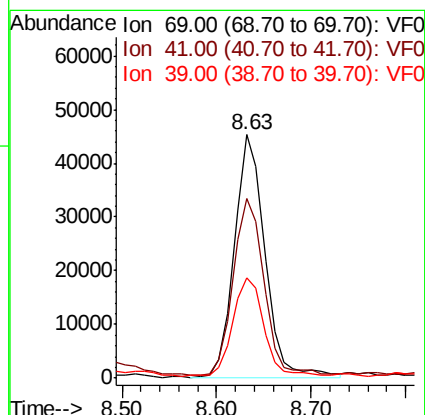
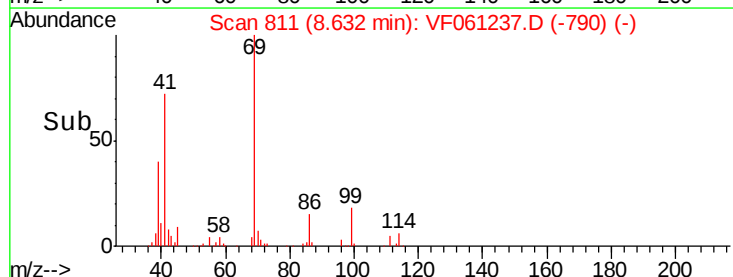
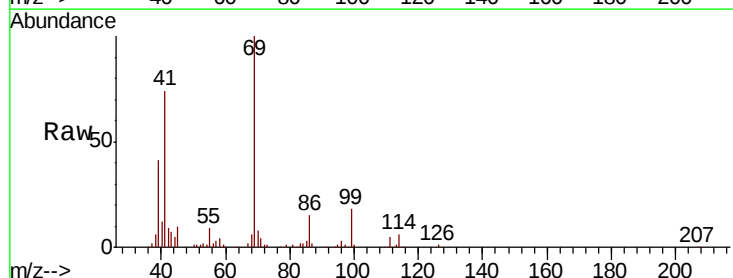
RT: 8.63 min Scan# 811

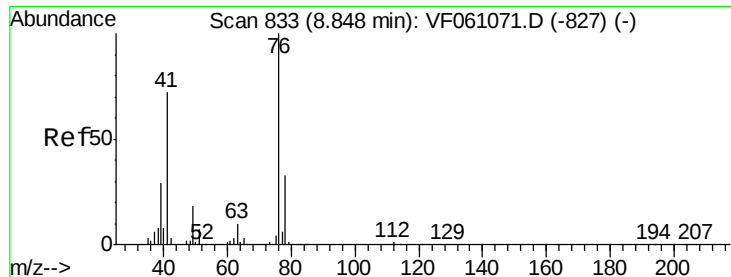
Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Tgt Ion:	69	Resp:	102484
Ion	Ratio	Lower	Upper
69	100		
41	73.8	59.7	89.5
39	41.2	35.0	52.6





#57

1,3-Dichloropropane

Concen: 53.826 ug/l

RT: 8.87 min Scan# 835

Delta R.T. 0.02 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MS

Tot Ion: 76 Resp: 139262

Ion Ratio Lower Upper

76 100

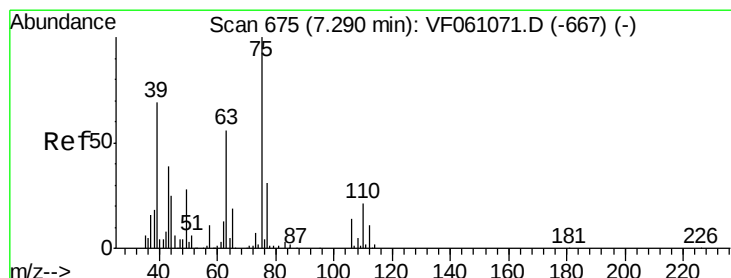
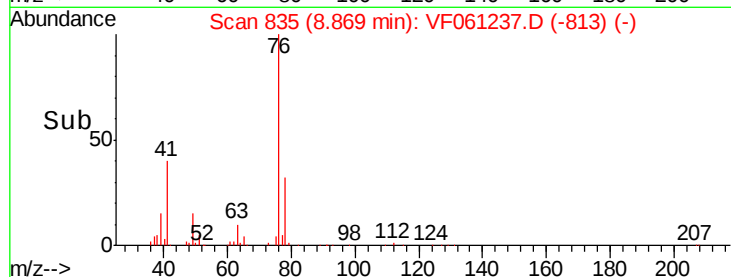
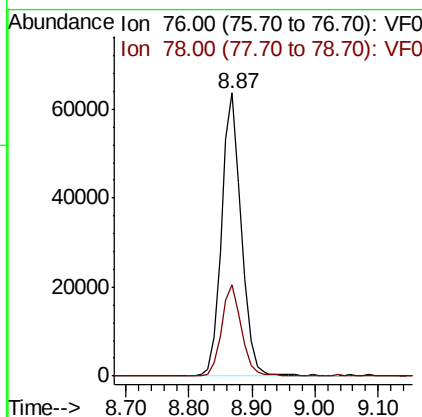
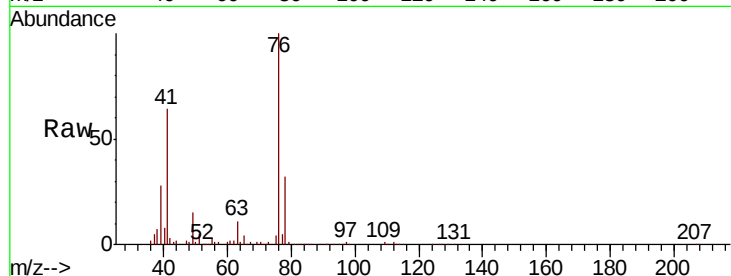
78 32.4 26.5 39.7

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#58

2-Chloroethyl Vinyl ether

Concen: 194.683 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.02 min

Lab File: VF061237.D

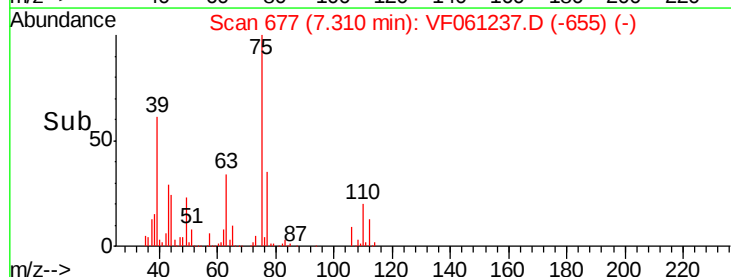
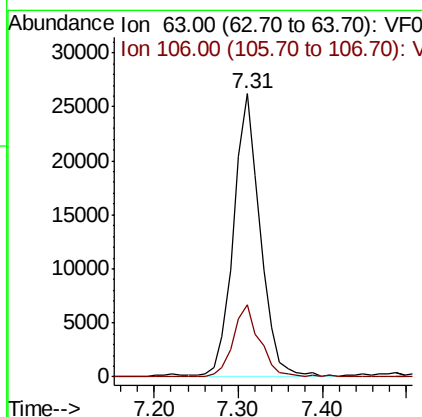
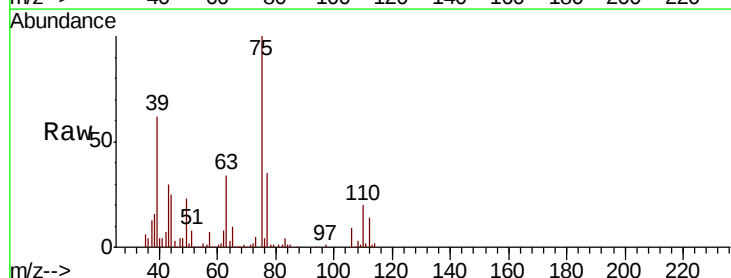
Acq: 28 Dec 2018 15:49

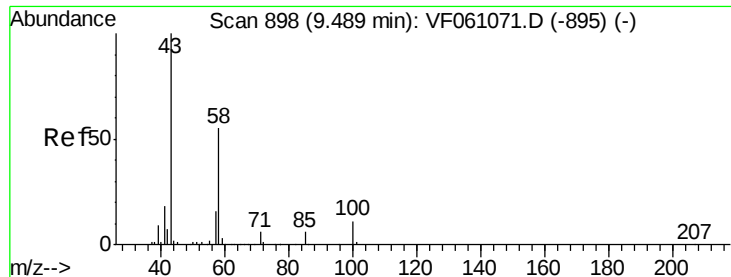
Tgt Ion: 63 Resp: 57877

Ion Ratio Lower Upper

63 100

106 25.3 19.8 29.8





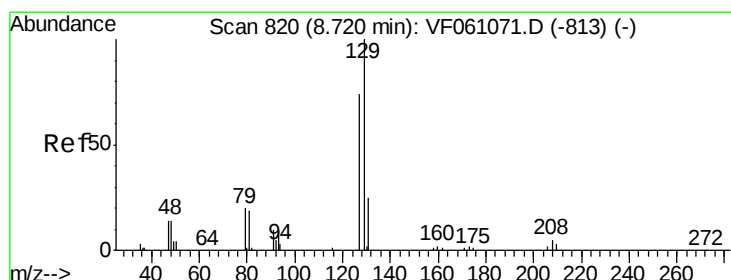
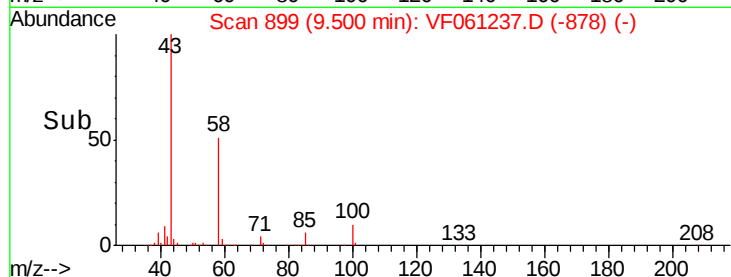
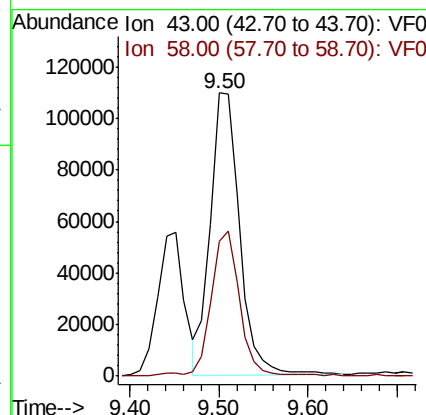
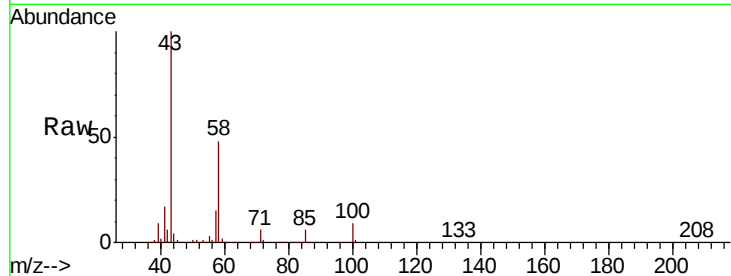
#59
2-Hexanone
Concen: 311.679 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MS

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.8	25.1	75.2

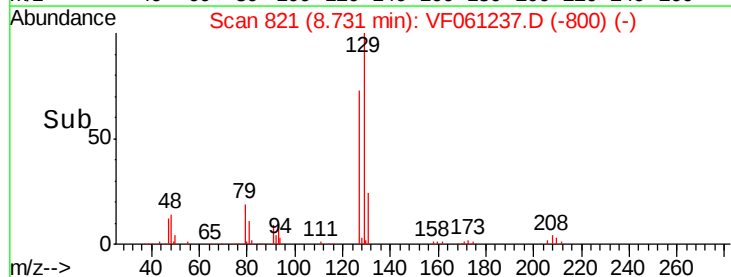
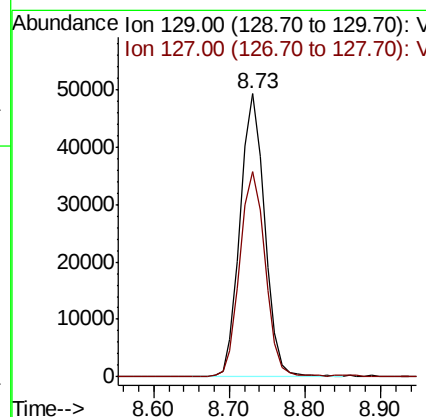
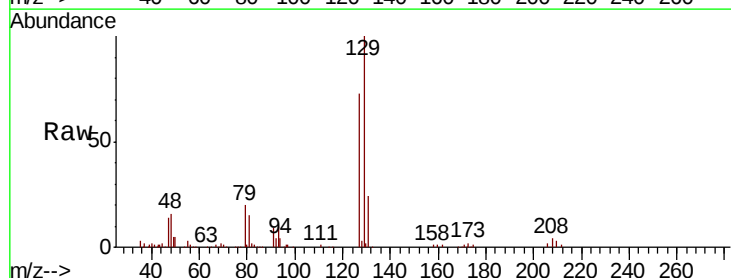
Manual Integrations
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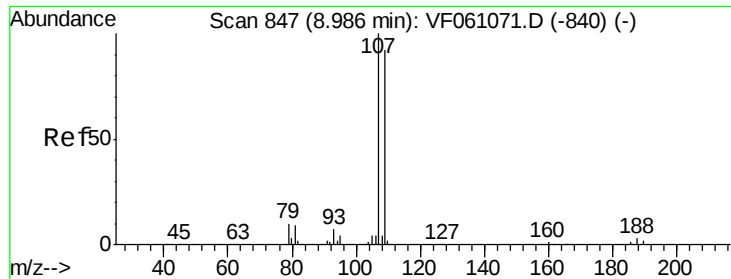
MMDadoda
1/2/2019 11:52:38 AM



#60
Dibromochloromethane
Concen: 54.043 ug/l
RT: 8.73 min Scan# 821
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
129	100		
127	72.6	36.8	110.3





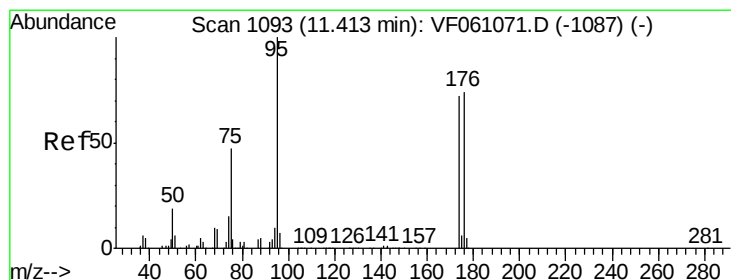
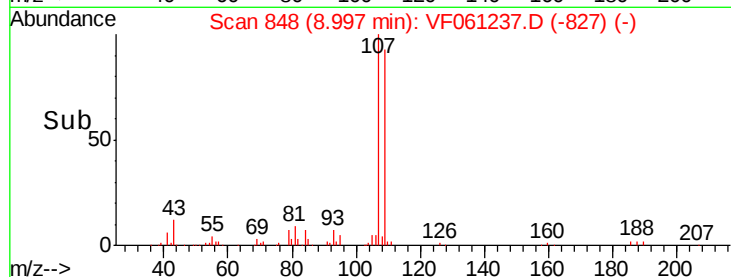
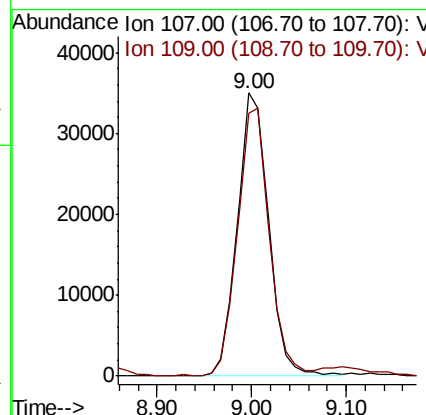
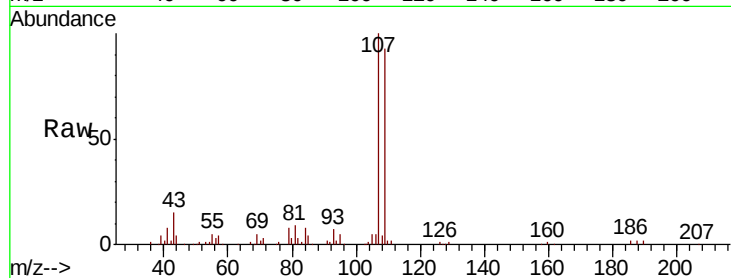
#61
 1,2-Dibromoethane
 Concen: 52.562 ug/l
 RT: 9.00 min Scan# 848
 Delta R.T. 0.01 min
 Lab File: VF061237.D
 Acq: 28 Dec 2018 15:49

Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0050MS

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	73.7	110.5

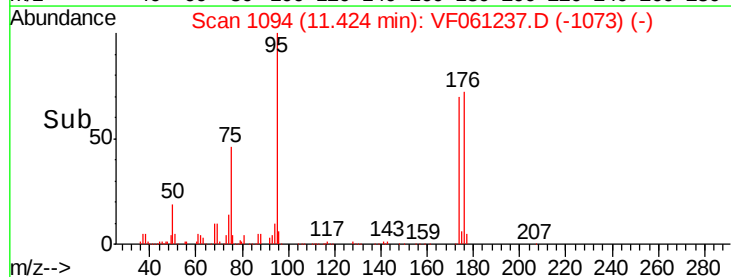
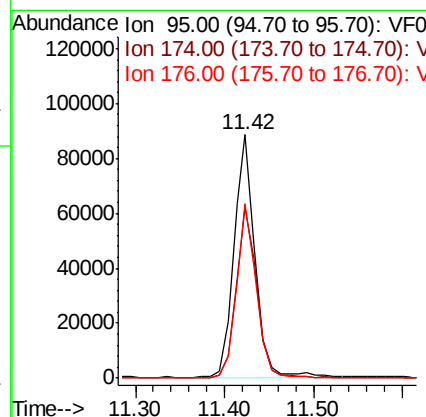
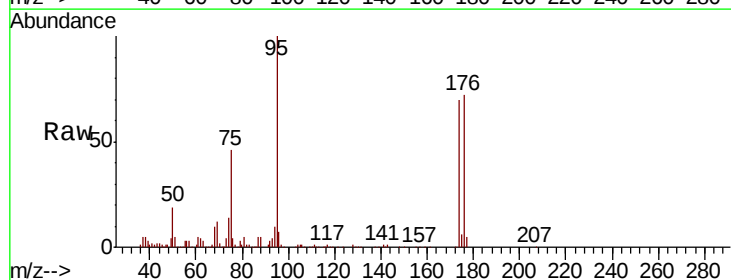
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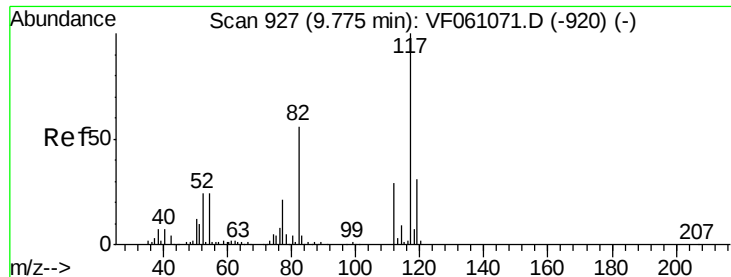
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 1/2/2019 11:52:38 AM



#62
 4-Bromofluorobenzene
 Concen: 50.792 ug/l
 RT: 11.42 min Scan# 1094
 Delta R.T. 0.01 min
 Lab File: VF061237.D
 Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.9	0.0	143.8
176	71.6	0.0	147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 928

Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Instrument :

MSVOA_F

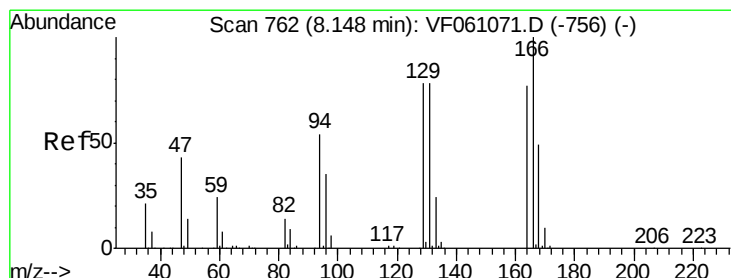
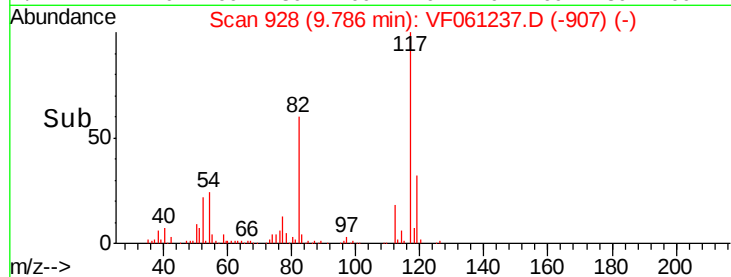
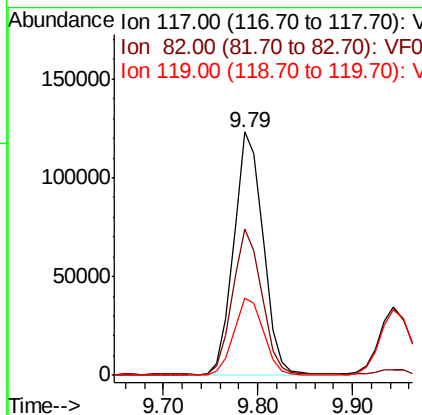
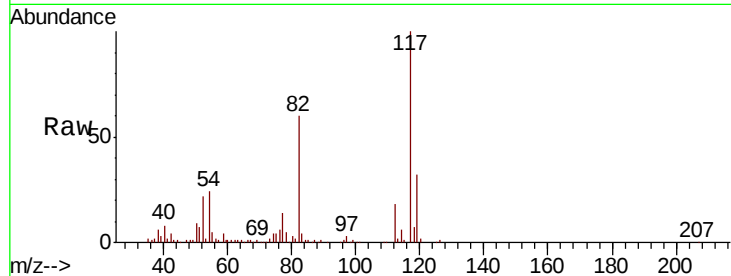
ClientSampleId :

S72-0050MS

Tot Ion:	117	Resp:	266580
Ion Ratio	Lower	Upper	
117	100		
82	59.9	45.0	67.4
119	31.6	24.8	37.2

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#64

Tetrachloroethene

Concen: 40.973 ug/l

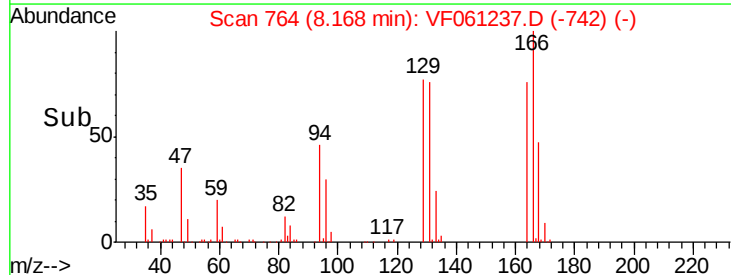
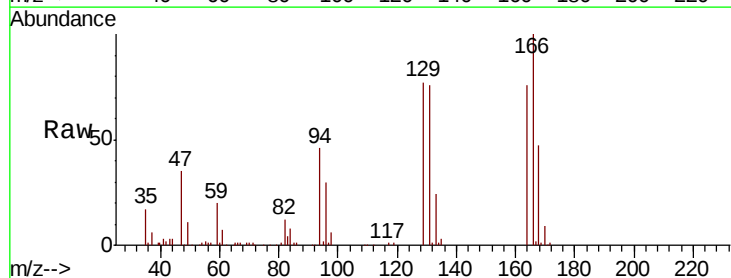
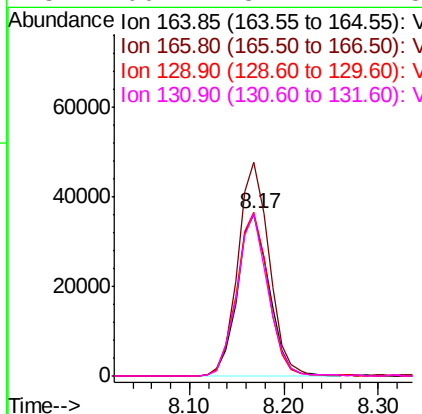
RT: 8.17 min Scan# 764

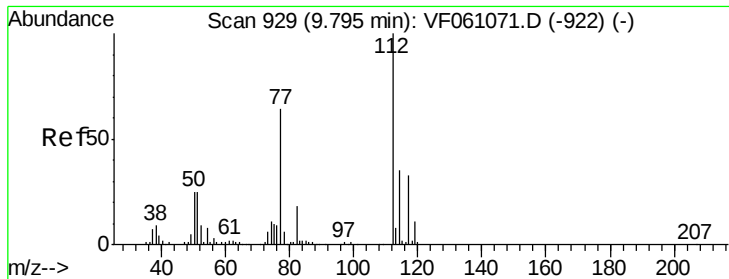
Delta R.T. 0.02 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Tgt Ion:	164	Resp:	84023
Ion Ratio	Lower	Upper	
164	100		
166	132.4	104.0	156.0
129	101.6	81.1	121.7
131	100.4	81.2	121.8





#65

Chlorobenzene

Concen: 51.366 ug/l

RT: 9.82 min Scan# 931

Delta R.T. 0.02 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MS

Tot Ion:112 Resp: 282884

Ion Ratio Lower Upper

112 100

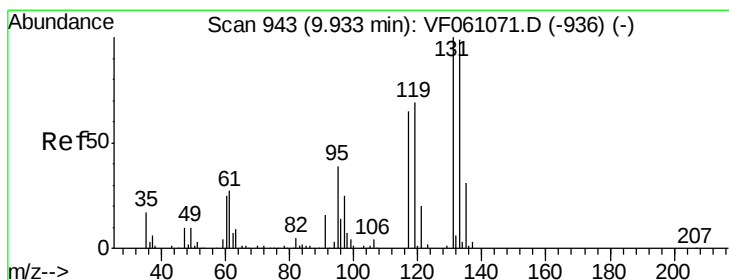
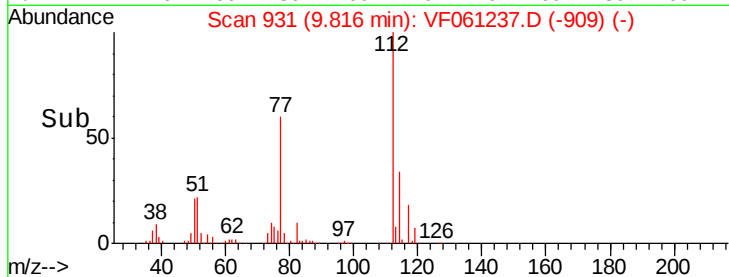
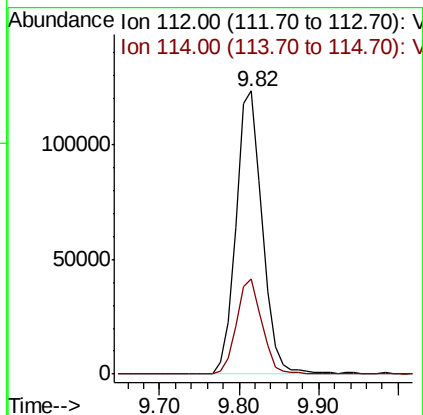
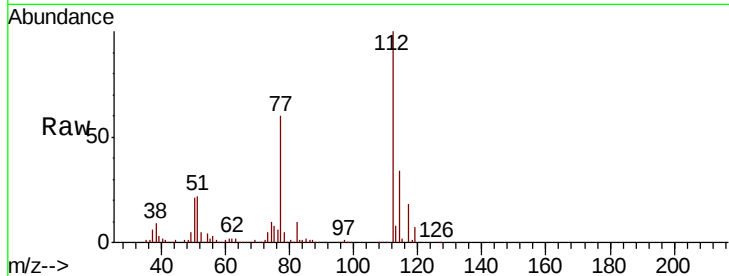
114 33.7 27.8 41.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 48.523 ug/l

RT: 9.94 min Scan# 944

Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

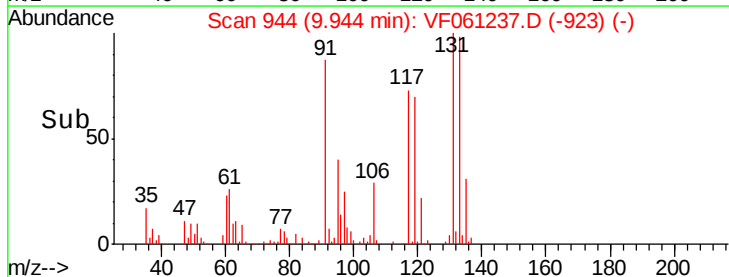
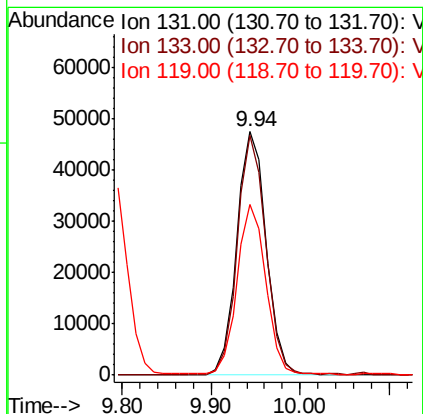
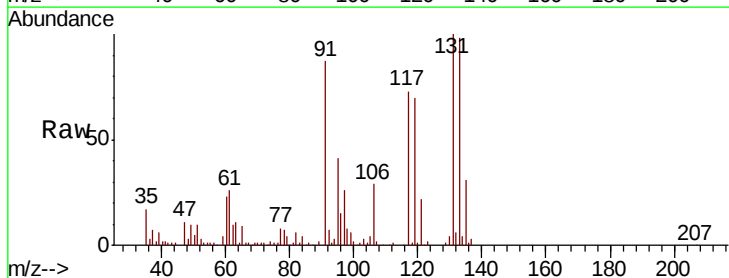
Tgt Ion:131 Resp: 109203

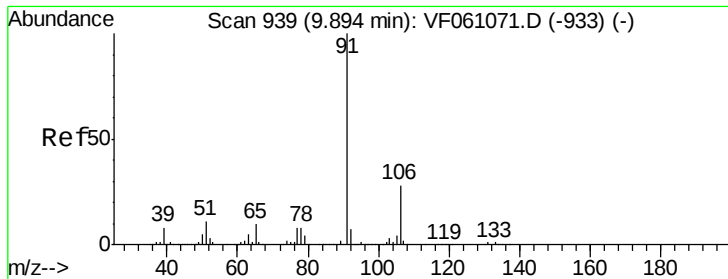
Ion Ratio Lower Upper

131 100

133 98.4 49.5 148.7

119 70.0 34.5 103.5





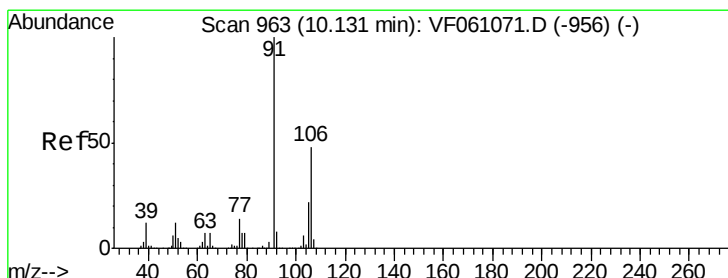
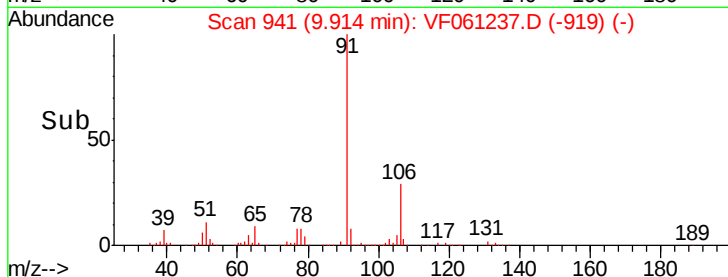
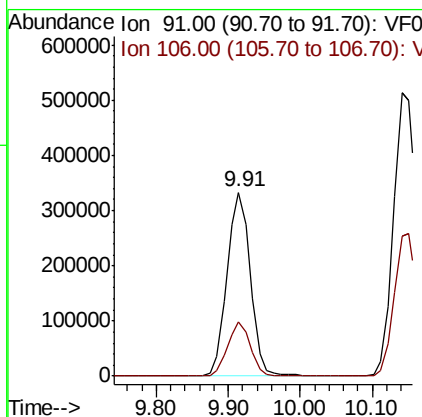
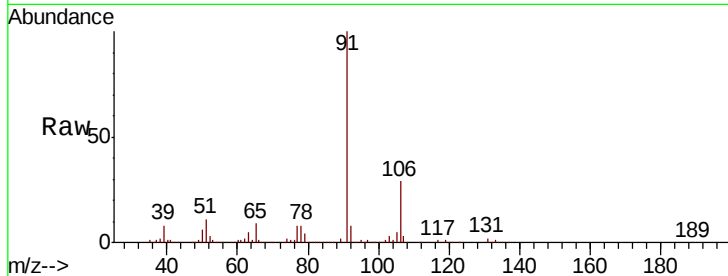
#67
Ethyl Benzene
Concen: 75.134 ug/l
RT: 9.91 min Scan# 941
Delta R.T. 0.02 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MS

Tot Ion: 91 Resp: 753819
Ion Ratio Lower Upper
91 100
106 29.2 22.5 33.7

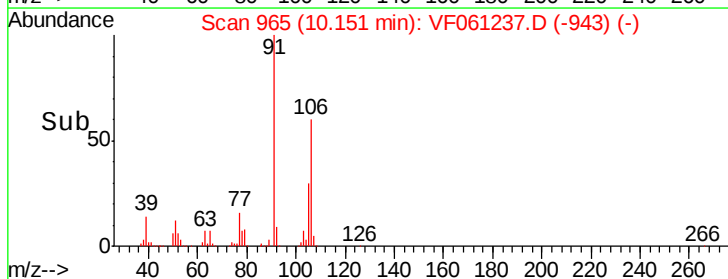
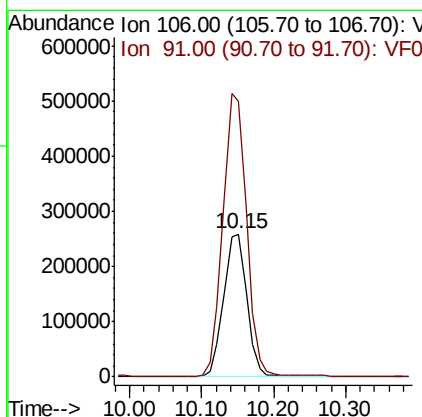
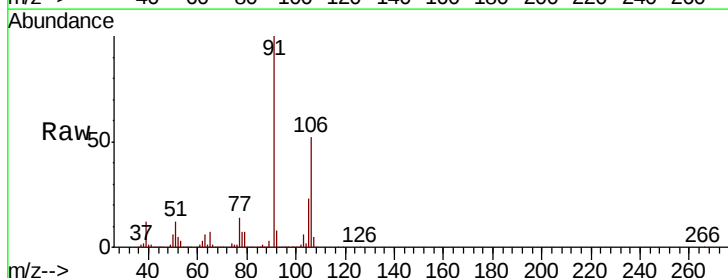
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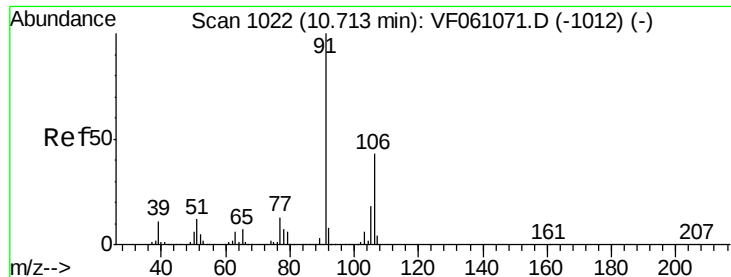
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#68
m/p-Xylenes
Concen: 164.963 ug/l
RT: 10.15 min Scan# 965
Delta R.T. 0.02 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion: 106 Resp: 582461
Ion Ratio Lower Upper
106 100
91 193.3 168.2 252.2





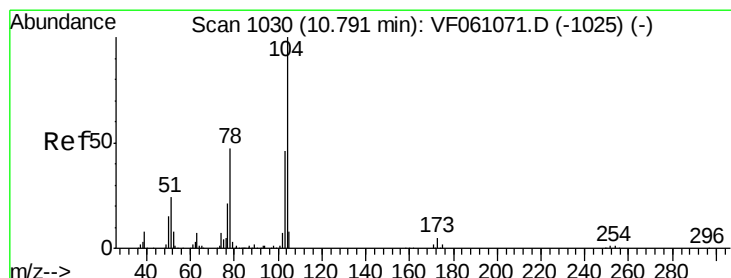
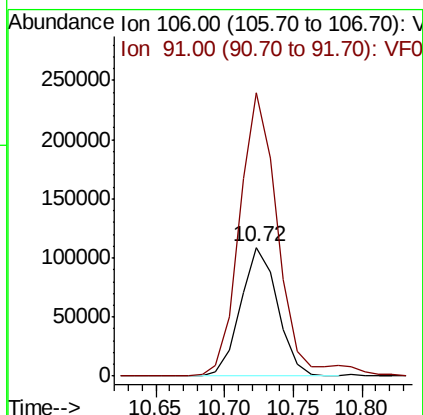
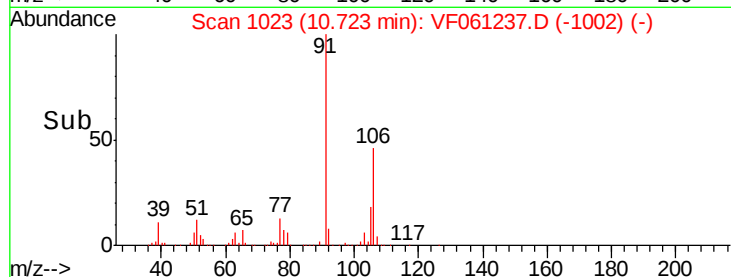
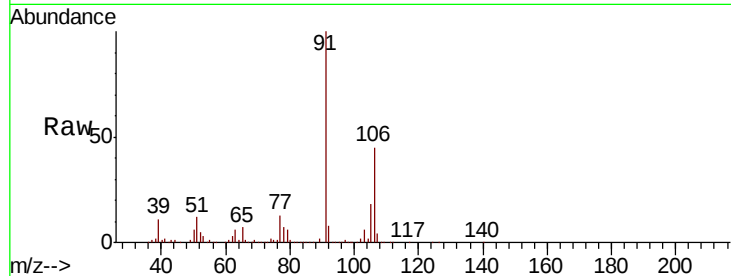
#69
o-Xylene
Concen: 52.477 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Instrument :
MSVOA_F
ClientSampleID :
S72-0050MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	205498		
91	91	219.8	115.9	347.7	

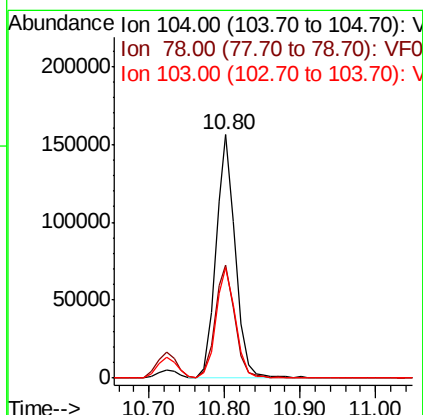
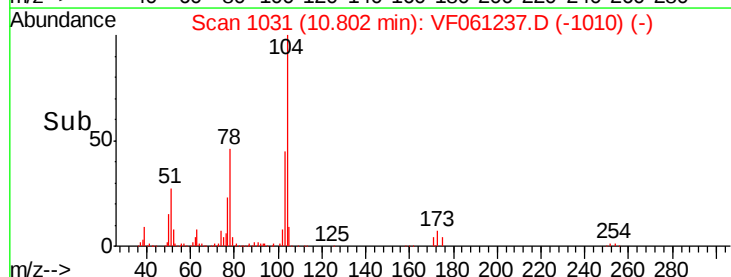
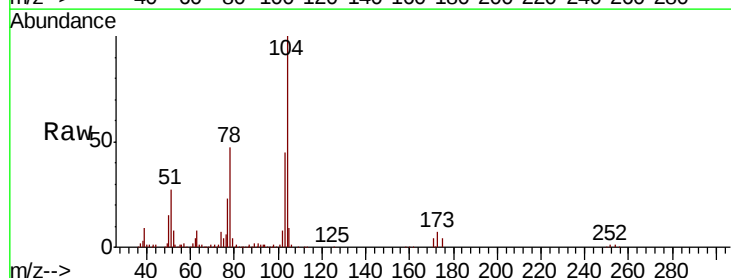
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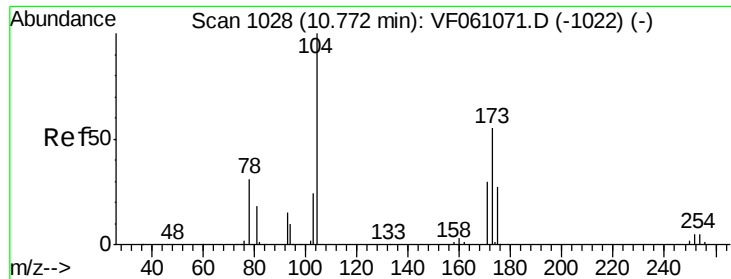
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#70
Styrene
Concen: 59.030 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	277471		
78	78	46.6	38.4	57.6	
103	103	45.4	37.0	55.6	





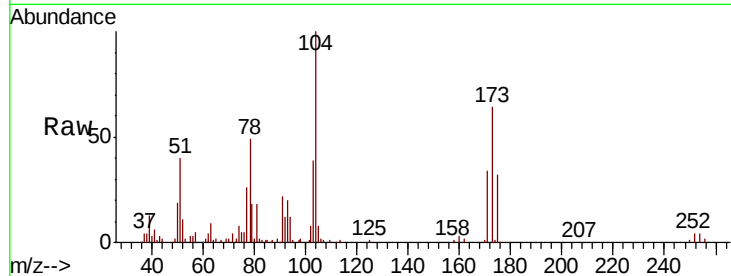
#71
Bromoform
Concen: 49.132 ug/l
RT: 10.78 min Scan# 1029
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MS

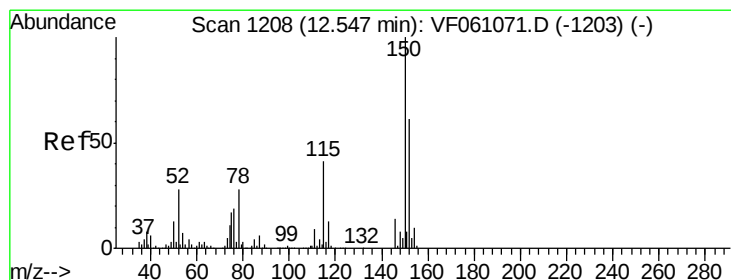
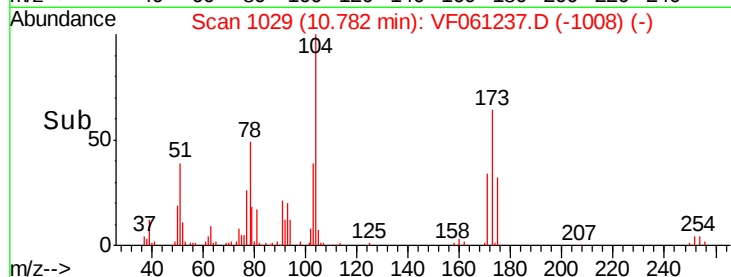
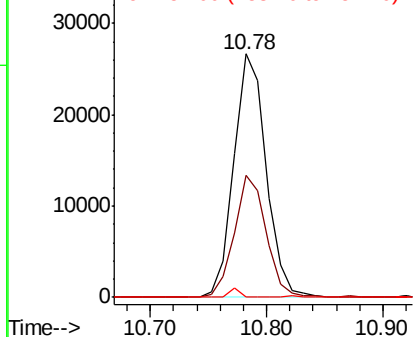
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	24.8	74.4
254	0.0	0.0	0.0

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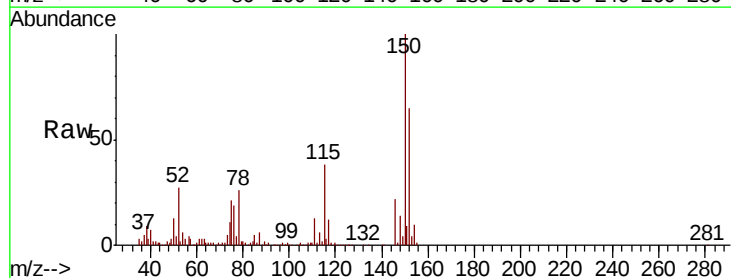


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

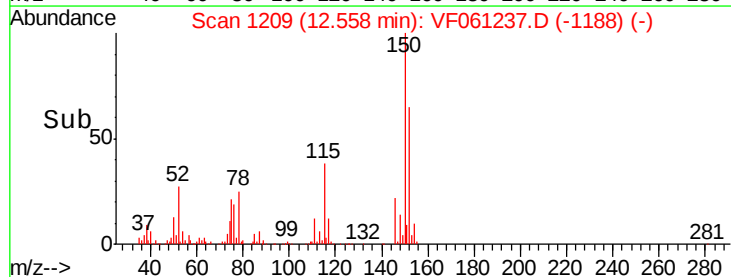
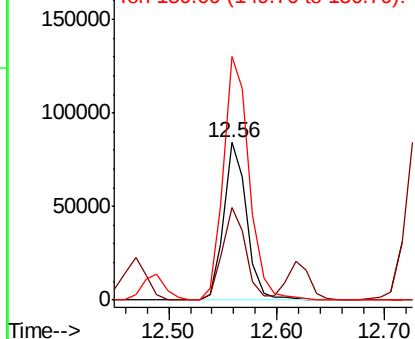


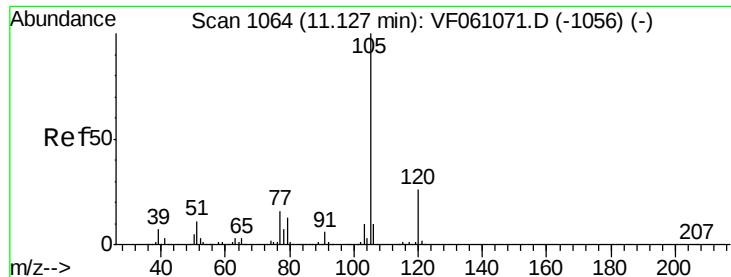
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.56 min Scan# 1209
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	33.3	99.9
150	154.6	0.0	328.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





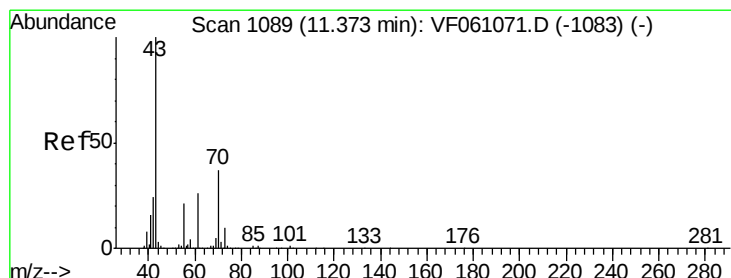
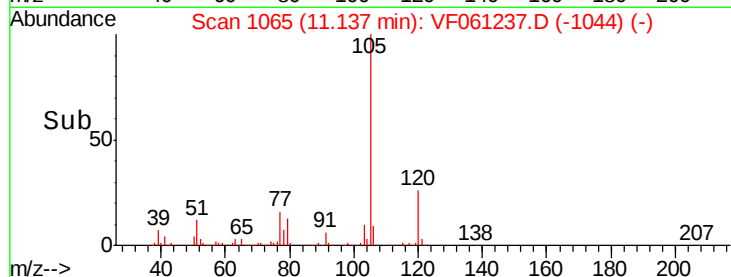
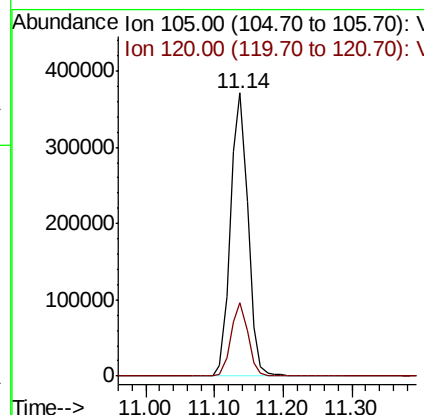
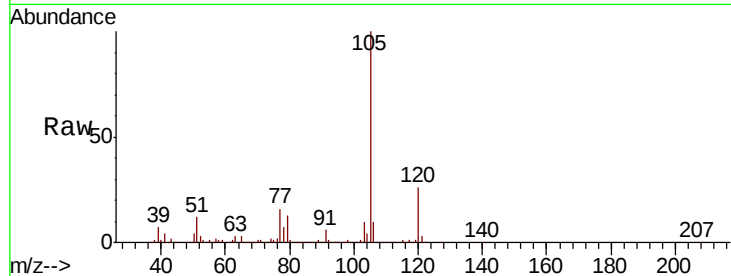
#73
Isopropylbenzene
Concen: 60.766 ug/l
RT: 11.14 min Scan# 1065
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MS

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.0	39.0

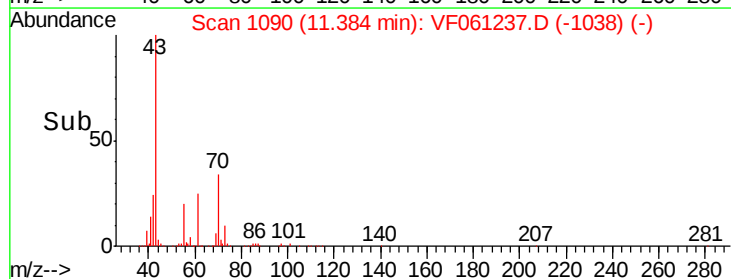
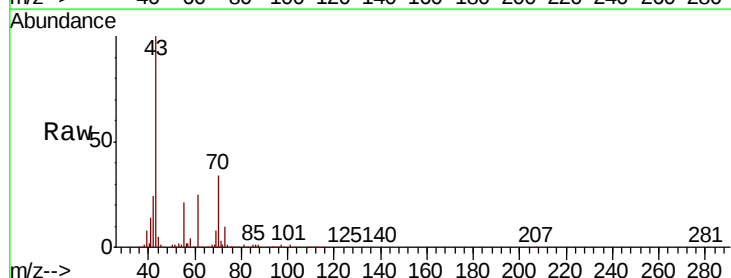
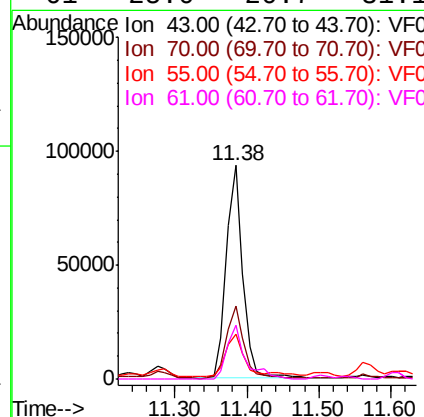
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#74
N-ethyl acetate
Concen: 62.307 ug/l
RT: 11.38 min Scan# 1090
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
43	100		
70	34.2	29.2	43.8
55	20.9	16.5	24.7
61	25.0	20.7	31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 45.360 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Instrument :

MSVOA_F

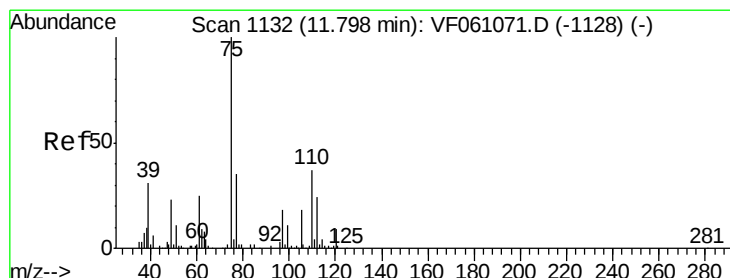
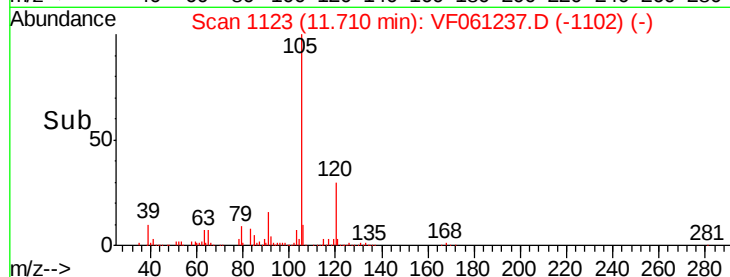
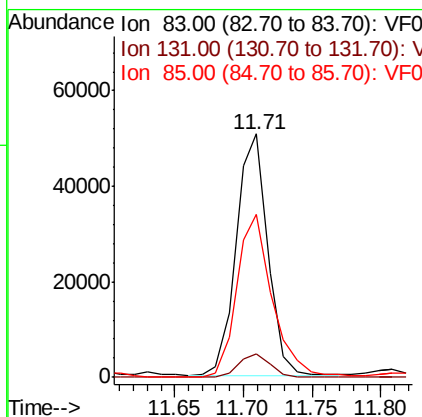
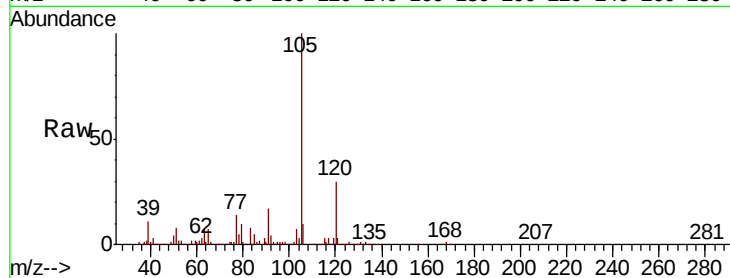
ClientSampleId :

S72-0050MS

Tot Ion	83	Resp	81138
Ion Ratio	100	Lower	Upper
83	100		
131	9.5	4.8	14.3
85	66.9	33.9	101.6

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#76

1,2,3-Trichloropropane

Concen: 57.810 ug/l

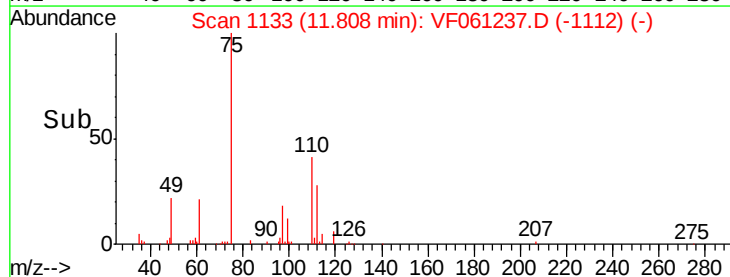
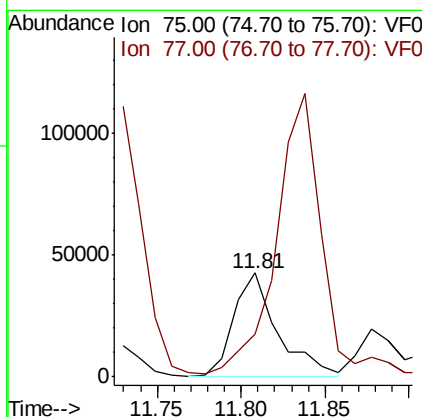
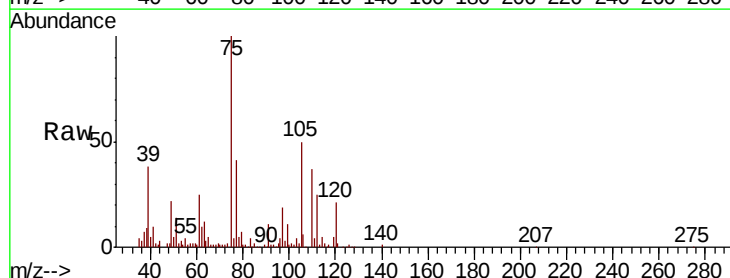
RT: 11.81 min Scan# 1133

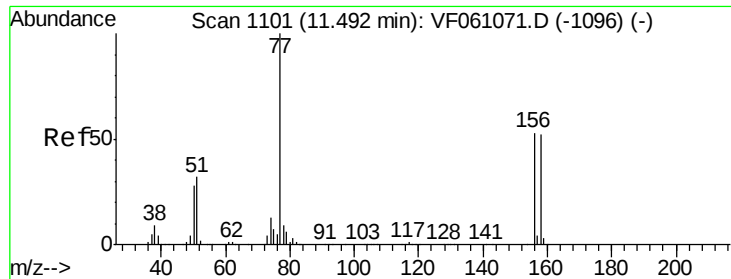
Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Tgt Ion	75	Resp	76956
Ion Ratio	100	Lower	Upper
75	100		
77	41.0	17.6	52.9





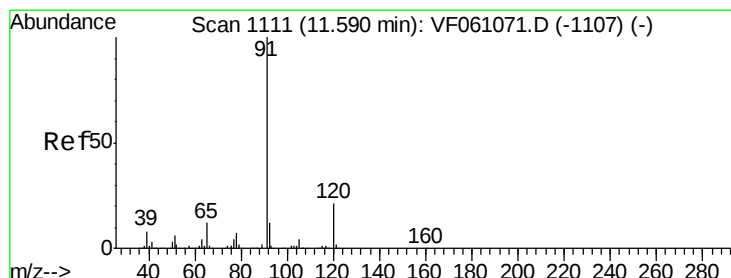
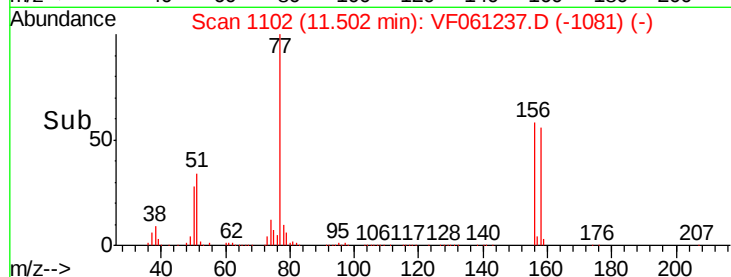
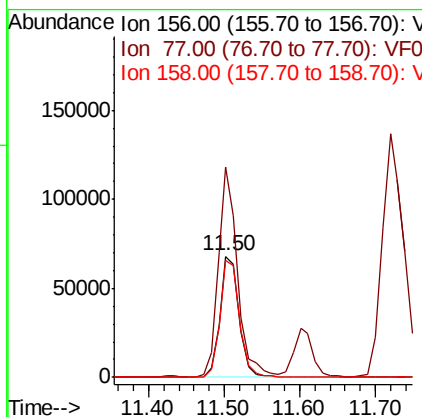
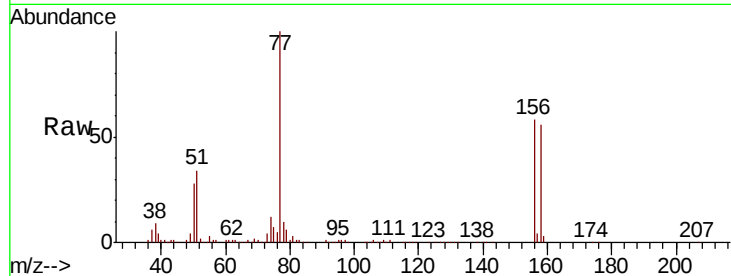
#77
Bromobenzene
Concen: 51.689 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MS

Tot Ion	Ratio	Lower	Upper
156	100		
77	173.6	93.8	281.4
158	97.0	48.9	146.8

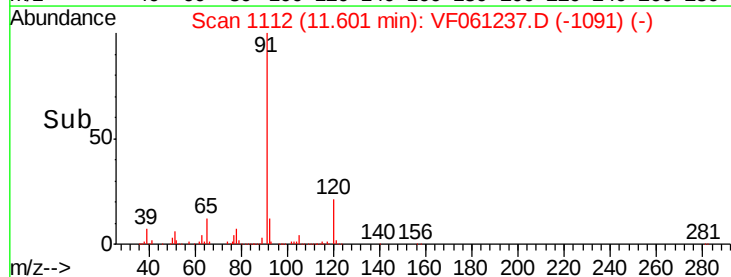
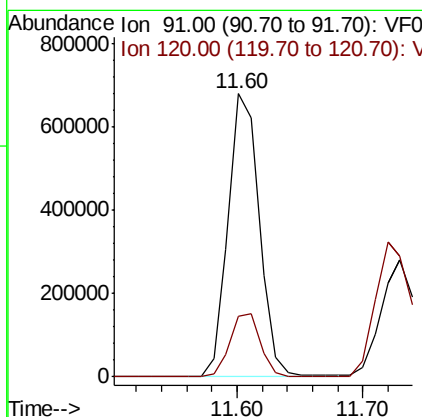
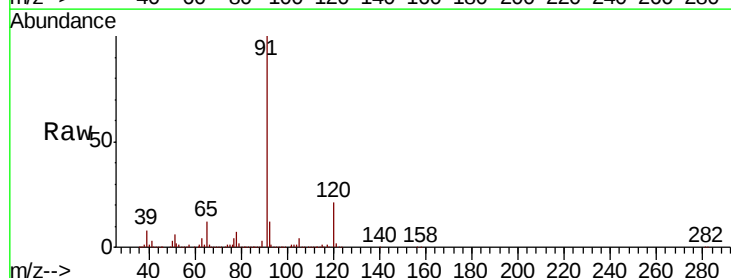
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#78
n-propylbenzene
Concen: Below Cal
RT: 11.60 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	10.4	31.2





#79

2-Chlorotoluene

Concen: 71.315 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MS

Tot Ion: 91 Resp: 527271

Ion Ratio Lower Upper

91 100

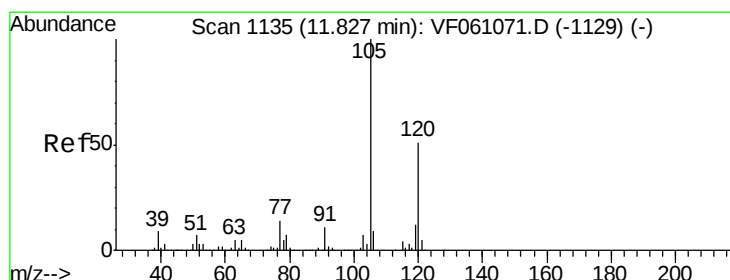
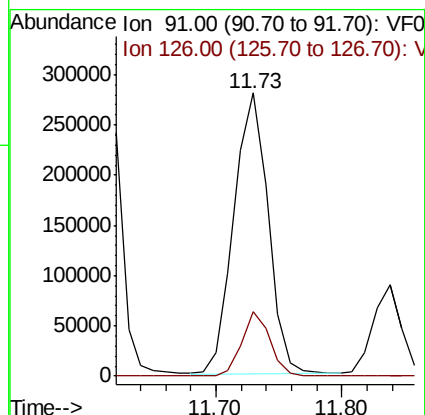
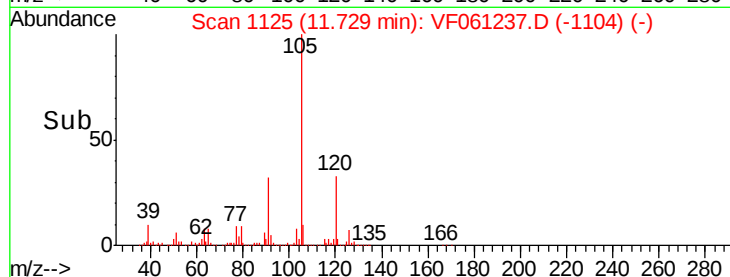
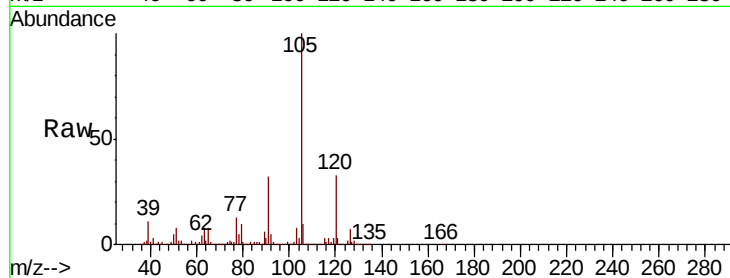
126 22.9 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 147.644 ug/l

RT: 11.84 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VF061237.D

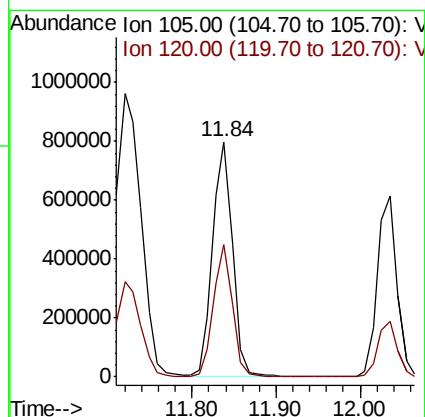
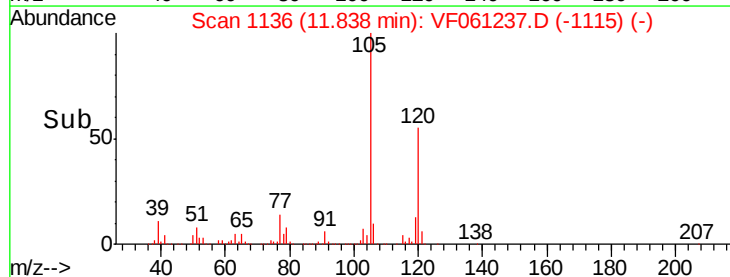
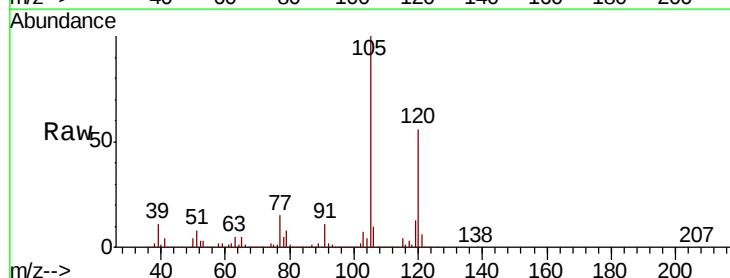
Acq: 28 Dec 2018 15:49

Tgt Ion: 105 Resp: 1310295

Ion Ratio Lower Upper

105 100

120 56.2 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 51.942 ug/l m

RT: 11.88 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Instrument :

MSVOA_F

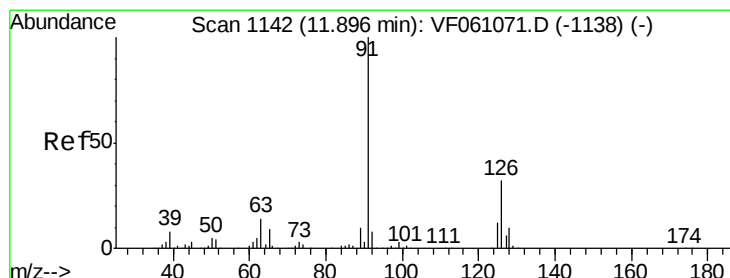
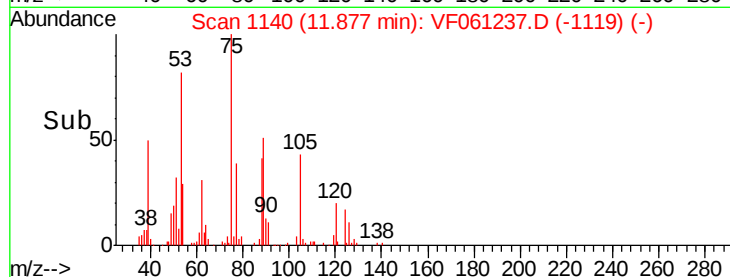
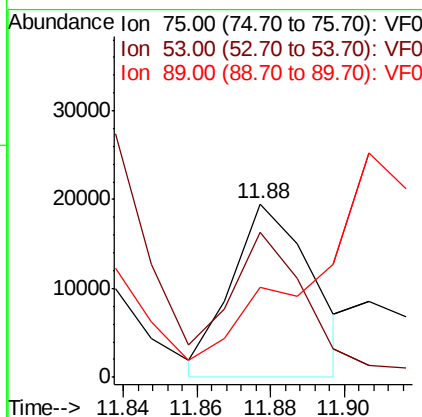
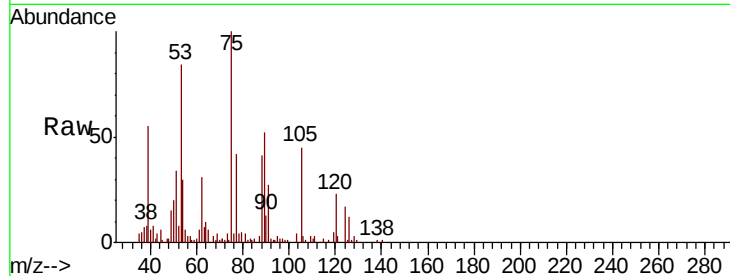
ClientSampleId :

S72-0050MS

Tot Ion:	75	Resp:	29712
Ion	Ratio	Lower	Upper
75	100		
53	83.7	74.1	111.1
89	51.6	42.6	64.0

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#82

4-Chlorotoluene

Concen: 46.501 ug/l

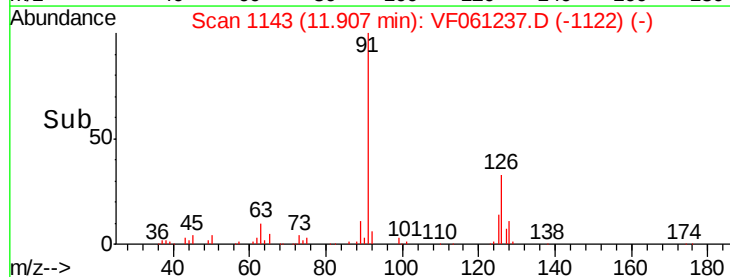
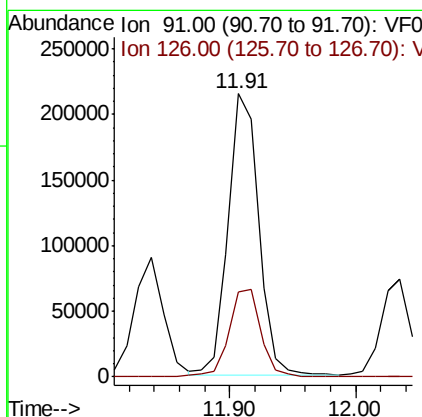
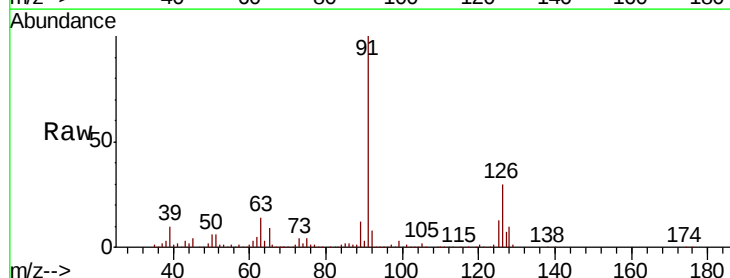
RT: 11.91 min Scan# 1143

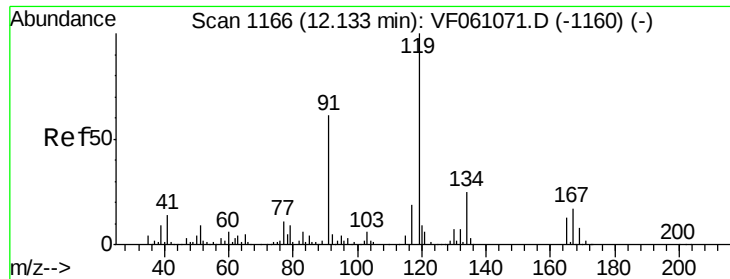
Delta R.T. 0.01 min

Lab File: VF061237.D

Acq: 28 Dec 2018 15:49

Tgt Ion:	91	Resp:	355663
Ion	Ratio	Lower	Upper
91	100		
126	29.8	16.0	47.9





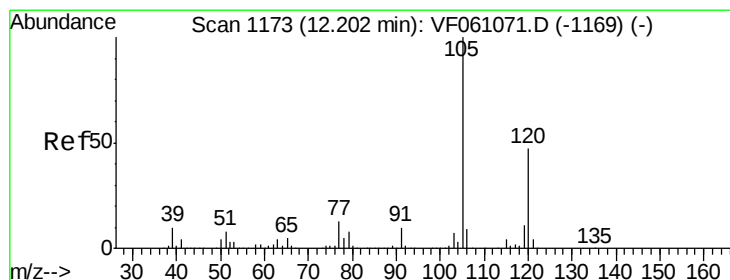
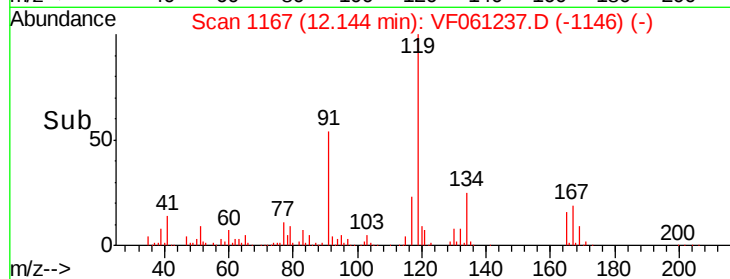
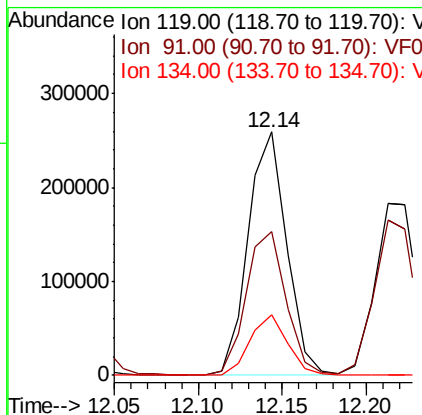
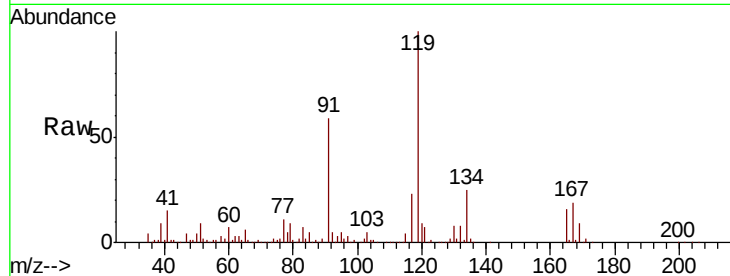
#83
tert-Butylbenzene
Concen: 45.144 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	412270		
91	59.0		30.5	91.5
134	24.8		12.4	37.4

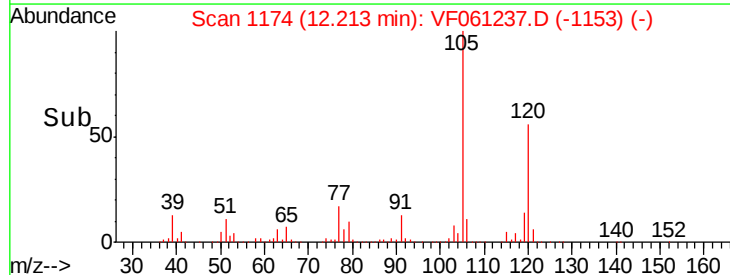
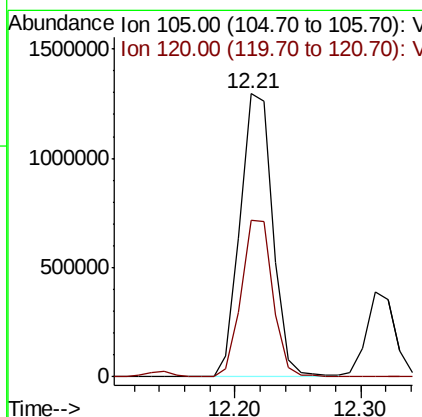
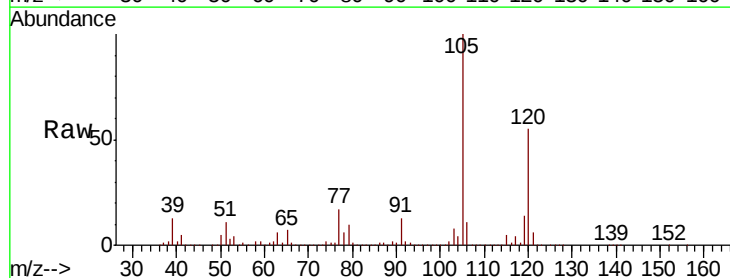
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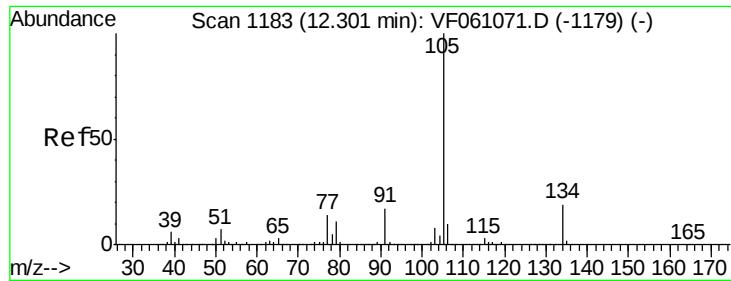
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#84
1,2,4-Trimethylbenzene
Concen: 263.068 ug/l
RT: 12.21 min Scan# 1174
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	2328136		
120	55.2		23.6	71.0





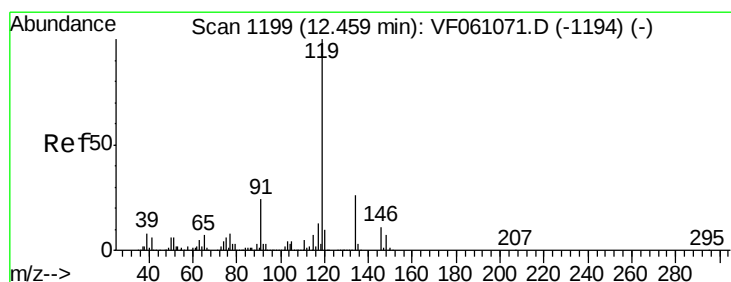
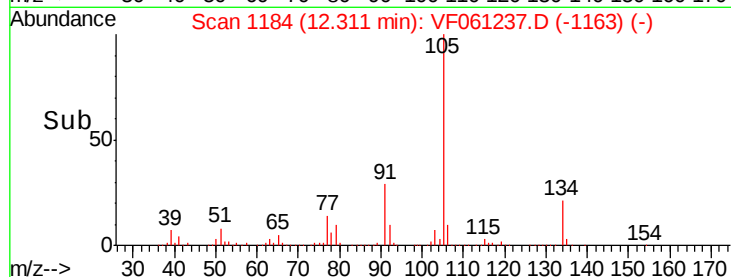
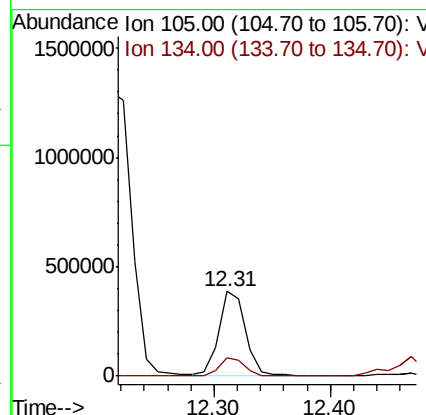
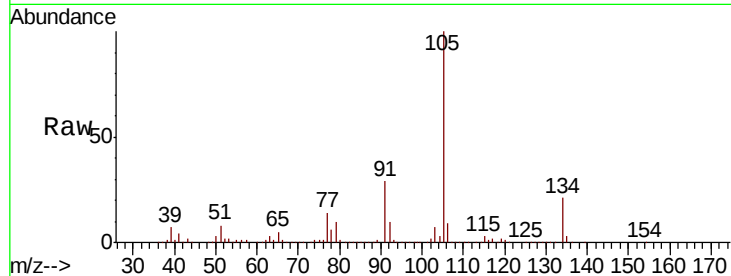
#85
 sec-Butylbenzene
 Concen: 51.130 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. 0.01 min
 Lab File: VF061237.D
 Acq: 28 Dec 2018 15:49

Instrument :
 MSVOA_F
 ClientSampled :
 S72-0050MS

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	9.4	28.2

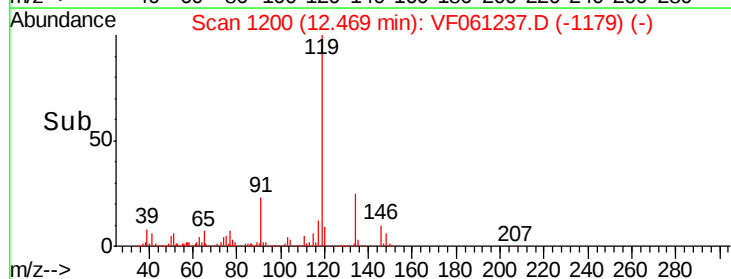
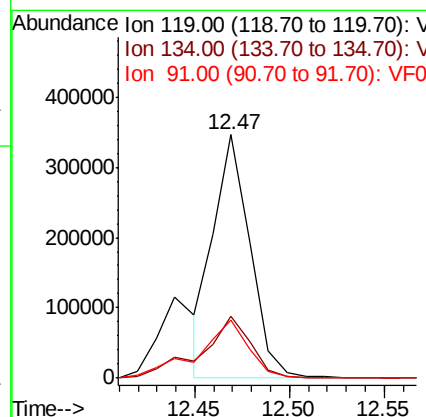
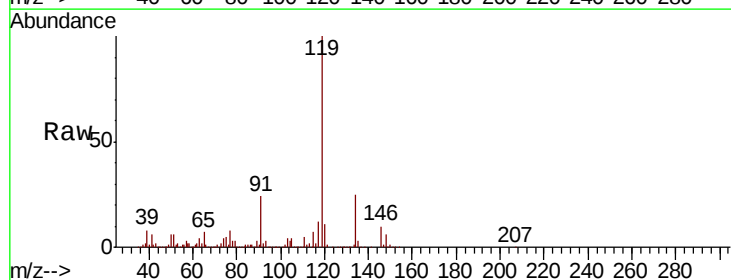
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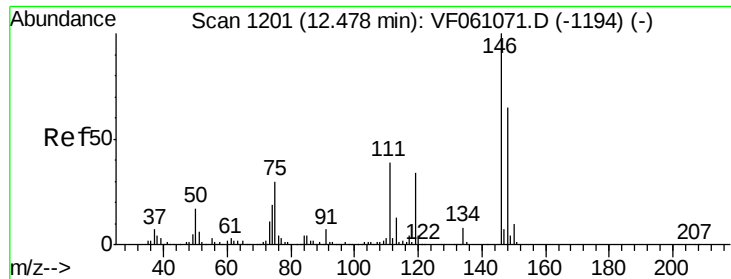
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#86
 p-Isopropyltoluene
 Concen: 47.641 ug/l m
 RT: 12.47 min Scan# 1200
 Delta R.T. 0.01 min
 Lab File: VF061237.D
 Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.8	38.4
91	23.7	12.2	36.6





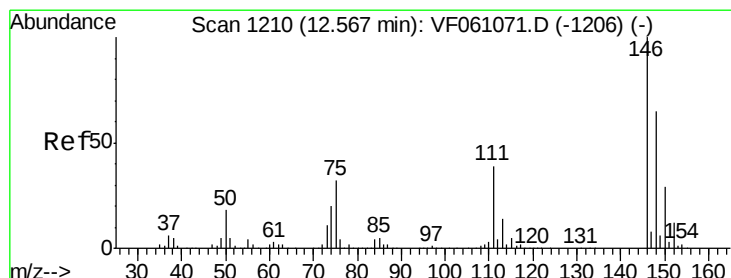
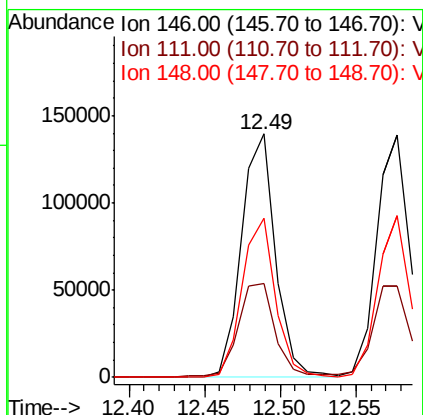
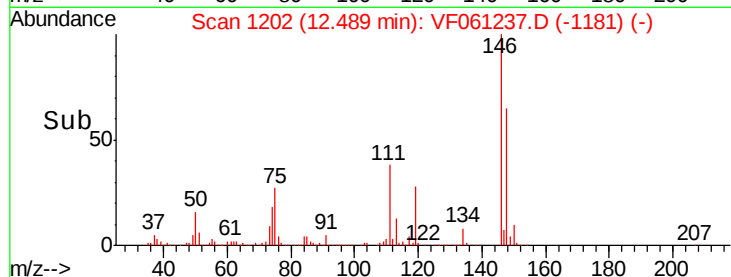
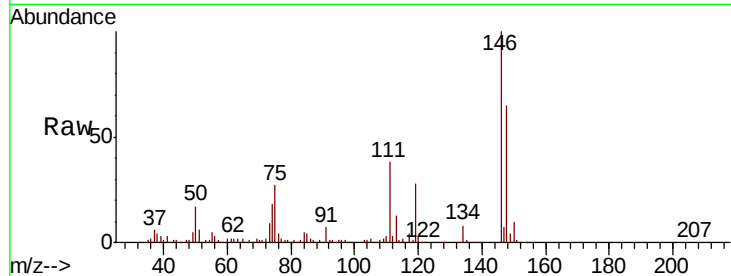
#87
 1,3-Dichlorobenzene
 Concen: 58.609 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF061237.D
 Acq: 28 Dec 2018 15:49

Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0050MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.9
148	65.4	32.4	97.2

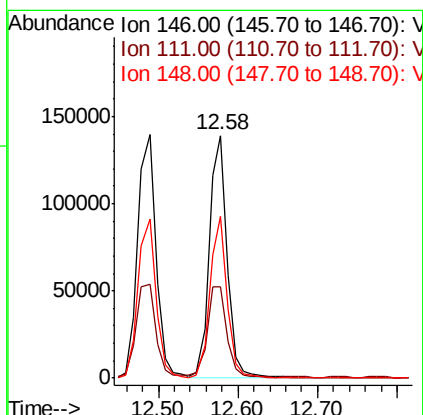
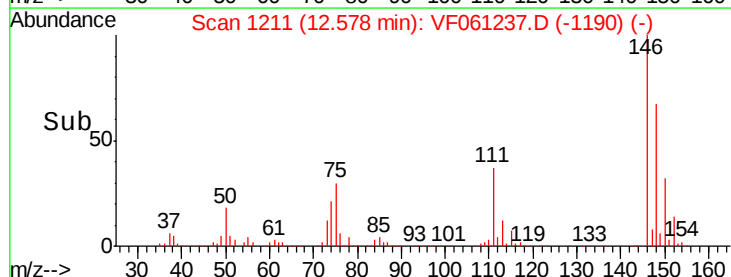
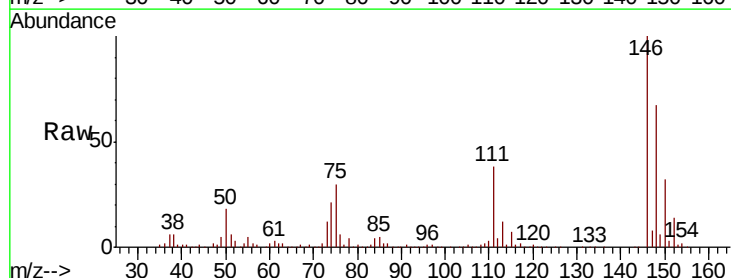
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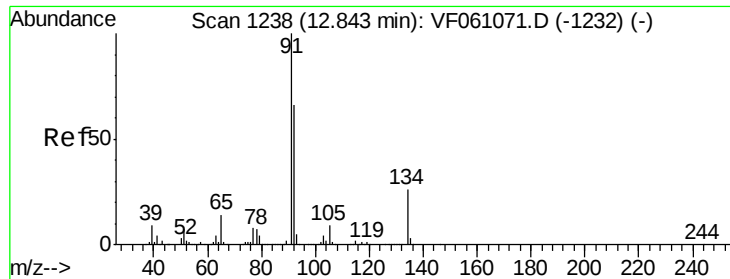
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#88
 1,4-Dichlorobenzene
 Concen: 51.016 ug/l
 RT: 12.58 min Scan# 1211
 Delta R.T. 0.01 min
 Lab File: VF061237.D
 Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.4	58.4
148	66.6	32.4	97.0





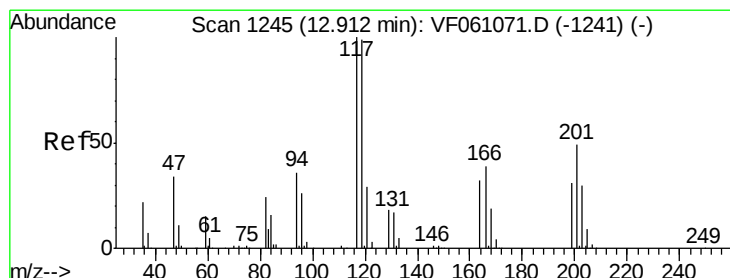
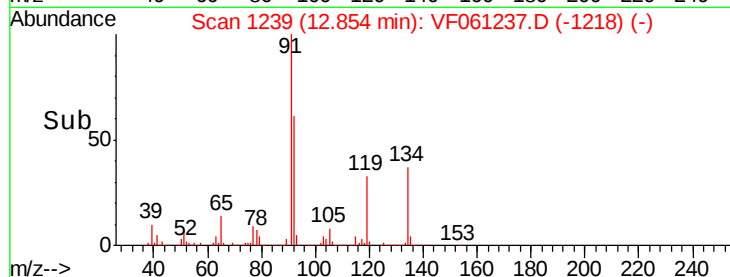
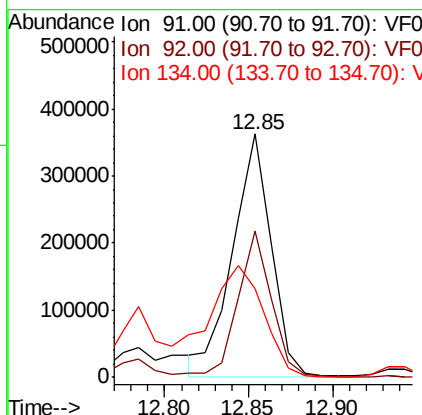
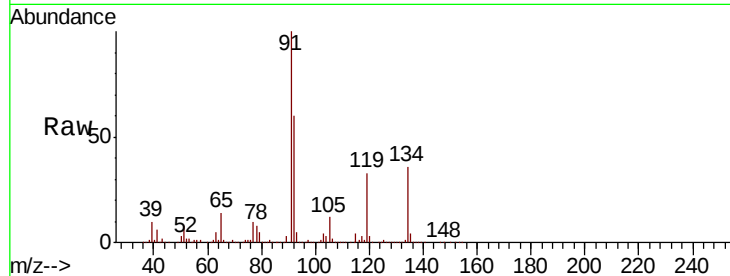
#89
n-Butylbenzene
Concen: 60.662 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.3	32.8	98.4
134	36.3	13.2	39.5

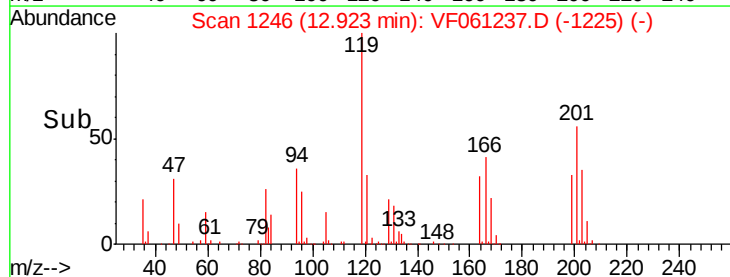
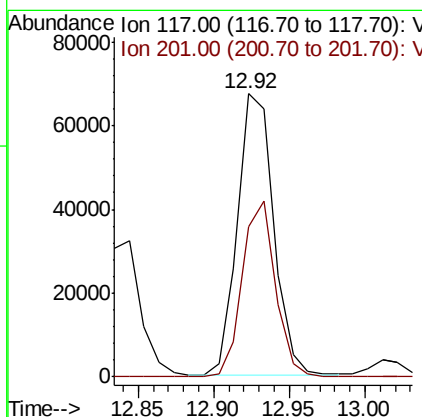
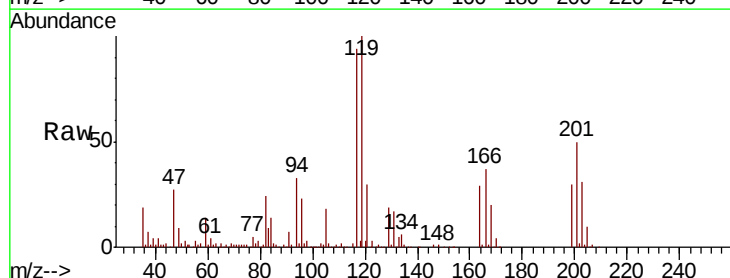
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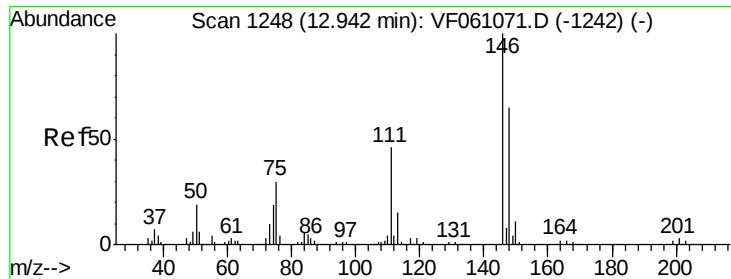
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#90
Hexachloroethane
Concen: 45.840 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	53.2	24.9	74.8





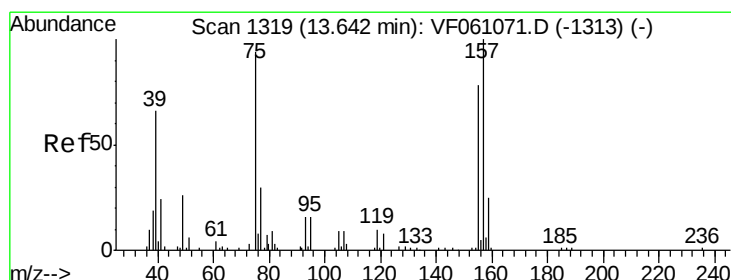
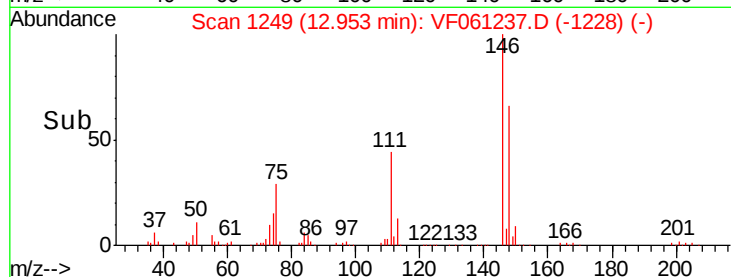
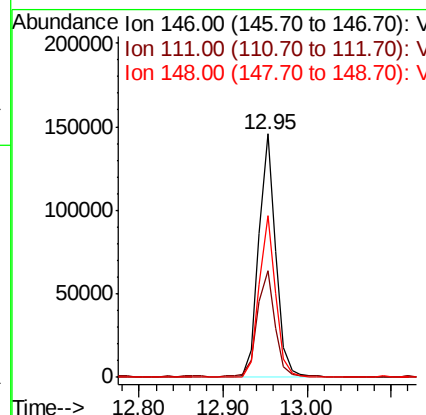
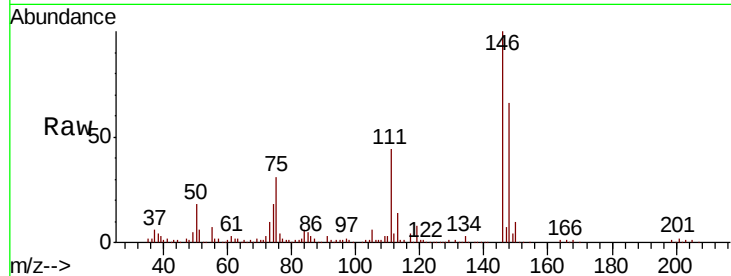
#91
 1,2-Dichlorobenzene
 Concen: 50.224 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.01 min
 Lab File: VF061237.D
 Acq: 28 Dec 2018 15:49

Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0050MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	208315		
111	43.9		23.2	69.5
148	66.3		32.4	97.0

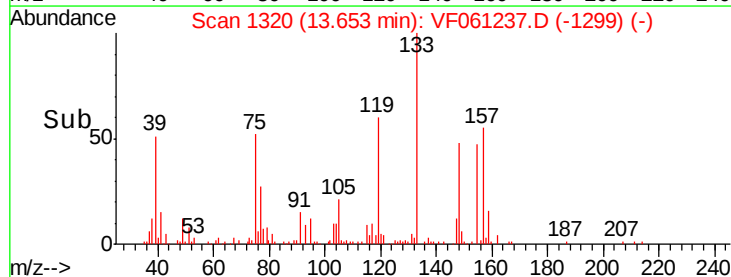
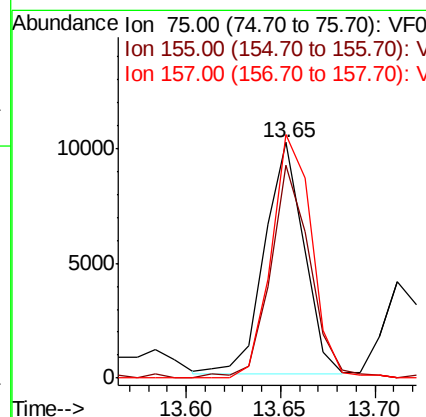
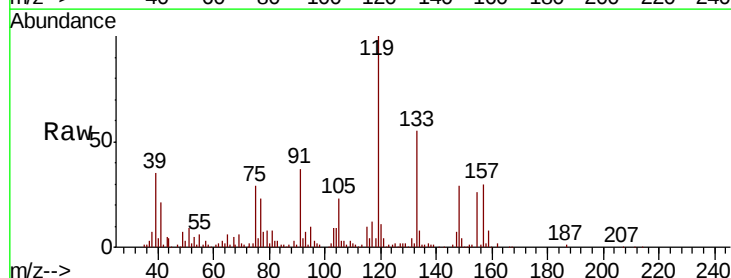
Manual Integrations
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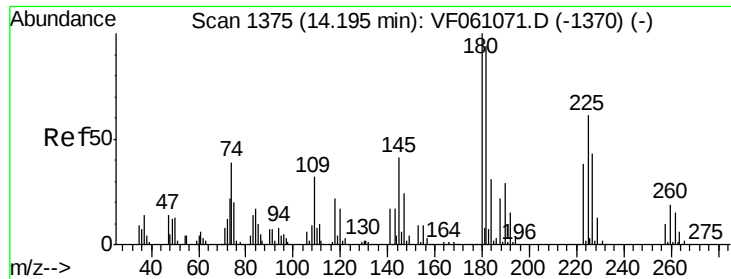
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.479 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: VF061237.D
 Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14600		
155	90.4		41.5	124.5
157	103.3		53.2	159.6





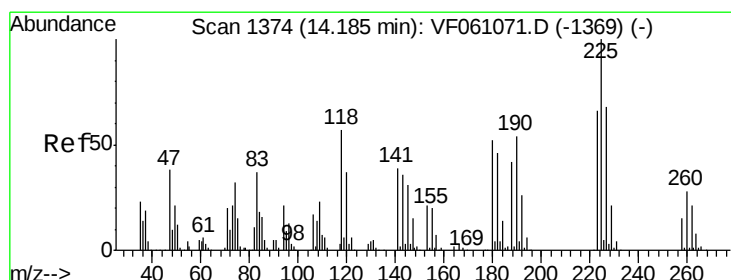
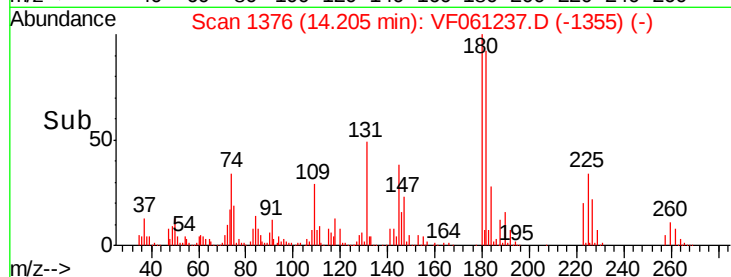
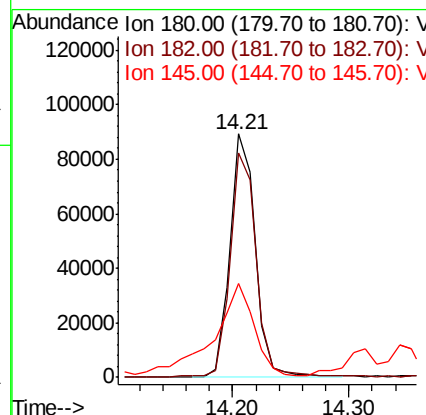
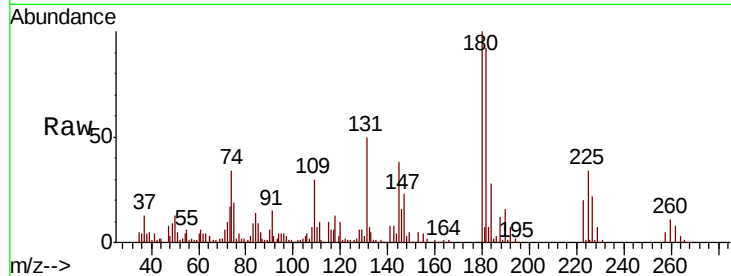
#93
 1,2,4-Trichlorobenzene
 Concen: 45.950 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. 0.01 min
 Lab File: VF061237.D
 Acq: 28 Dec 2018 15:49

Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0050MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	92.3	46.9	140.6	
145	38.5	20.5	61.6	

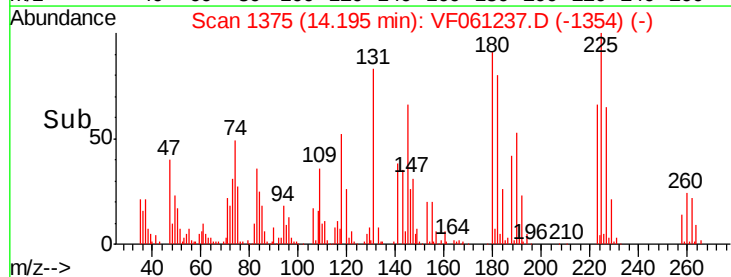
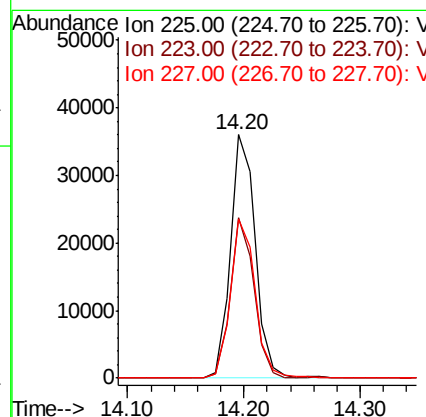
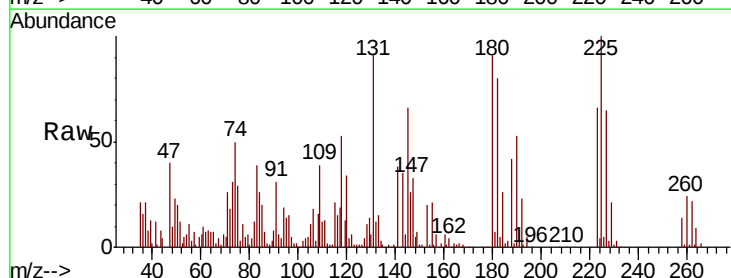
Manual Integrations
 APPROVED

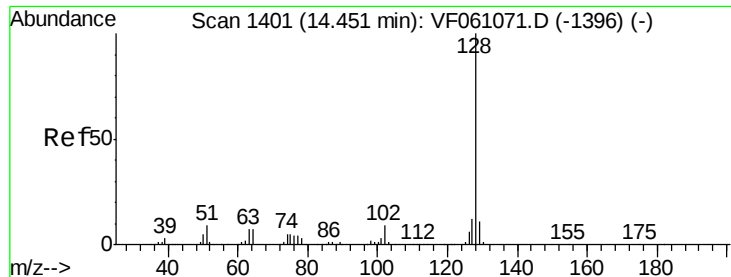
MMDadoda
 1/2/2019 11:52:38 AM



#94
 Hexachlorobutadiene
 Concen: 28.308 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. 0.01 min
 Lab File: VF061237.D
 Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	66.0	32.8	98.3	
227	65.4	34.0	101.8	





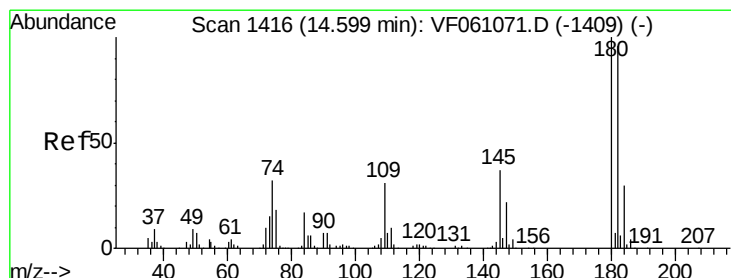
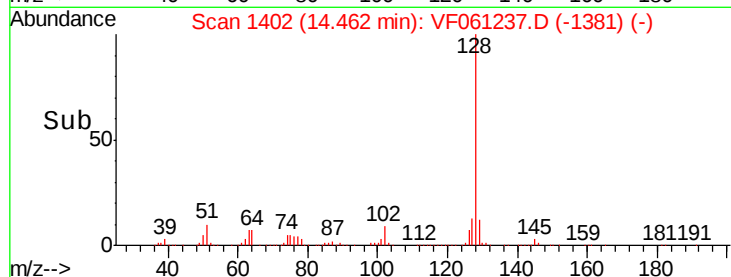
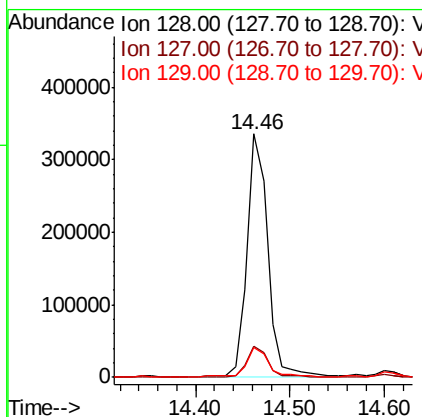
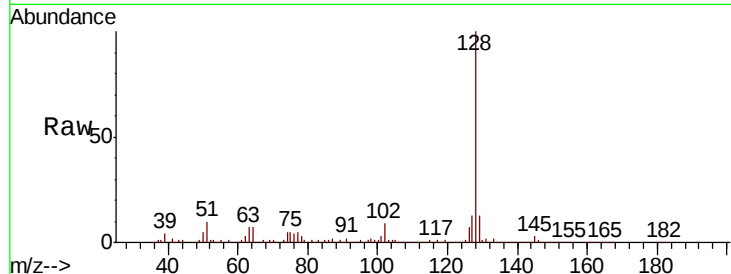
#95
Naphthalene
Concen: 94.842 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	509429		
127	12.8		9.4	14.2
129	12.5		8.8	13.2

Manual Integrations
APPROVED

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1/2/2019 11:52:38 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.178 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF061237.D
Acq: 28 Dec 2018 15:49

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	122852		
182	93.4		47.9	143.8
145	40.0		18.6	55.8

