

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122818\
 Data File : VF061235.D
 Acq On : 28 Dec 2018 14:51
 Operator : VA/AP
 Sample : J6515-03MSD
 Misc : 6.08g/5mL/MSVOA-F/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0050MSD

Manual Integrations
 APPROVED

MMDadoda
 1/2/2019 11:52:18 AM

Quant Time: Dec 29 02:02:18 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	4.89	168	191926	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.61	114	355252	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.79	117	259306	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.56	152	128403	50.00	ug/l	0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	103593	41.97	ug/l	0.02
Spiked Amount 50.000			Recovery	=	83.94%	
35) Dibromofluoromethane	4.13	113	116346	40.88	ug/l	0.02
Spiked Amount 50.000			Recovery	=	81.76%	
50) Toluene-d8	7.57	98	321545	39.87	ug/l	0.02
Spiked Amount 50.000			Recovery	=	79.74%	
62) 4-Bromofluorobenzene	11.42	95	142626	38.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	76.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	177865	41.690	ug/l	97
3) Chloromethane	1.10	50	131999	54.013	ug/l	90
4) Vinyl Chloride	1.15	62	120790	53.280	ug/l	91
5) Bromomethane	1.35	94	78445	49.887	ug/l	88
6) Chloroethane	1.41	64	55495	53.125	ug/l #	87
7) Trichlorofluoromethane	1.50	101	193824m	44.777	ug/l	
8) Diethyl Ether	1.63	74	35721	60.262	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.85	101	106743	47.560	ug/l	92
10) Methyl Iodide	1.92	142	175503m	49.608	ug/l	
11) Tert butyl alcohol	2.58	59	27945	280.533	ug/l	95
12) 1,1-Dichloroethene	1.81	96	89878	53.125	ug/l	90
13) Acrolein	2.01	56	31770	441.369	ug/l #	81
14) Allyl chloride	2.10	41	184247	104.649	ug/l #	70
15) Acrylonitrile	2.96	53	87606	380.323	ug/l	95
16) Acetone	2.25	43	184767m	374.416	ug/l	
17) Carbon Disulfide	1.85	76	249404m	48.781	ug/l	
18) Methyl Acetate	2.36	43	131481	128.781	ug/l	95
19) Methyl tert-butyl Ether	2.44	73	193990	51.658	ug/l #	90
20) Methylene Chloride	2.27	84	86206m	55.128	ug/l	
21) trans-1,2-Dichloroethene	2.31	96	58662	32.419	ug/l	95
22) Diisopropyl ether	2.81	45	338452	57.711	ug/l	93
23) Vinyl Acetate	3.20	43	580373	214.516	ug/l	97
24) 1,1-Dichloroethane	2.88	63	179538	51.669	ug/l	99
25) 2-Butanone	4.35	43	220660	275.711	ug/l #	89
26) 2,2-Dichloropropane	3.62	77	79175	39.705	ug/l	92
27) cis-1,2-Dichloroethene	3.49	96	141495	51.078	ug/l	98
28) Bromochloromethane	3.73	49	79192	44.916	ug/l	94
29) Tetrahydrofuran	4.09	42	122671	376.588	ug/l #	65
30) Chloroform	3.87	83	259221	49.753	ug/l	90
31) Cyclohexane	3.76	56	398159	110.426	ug/l #	53
32) 1,1,1-Trichloroethane	4.11	97	112594	36.054	ug/l	93
36) 1,1-Dichloropropene	4.30	75	182620	42.587	ug/l	97
37) Ethyl Acetate	4.02	43	744091	Below Cal	#	10
38) Carbon Tetrachloride	4.01	117	109131	33.418	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	280318	72.866	ug/l	97
40) Benzene	4.65	78	396463	42.993	ug/l	96
41) Methacrylonitrile	4.69	41	482786	533.106	ug/l #	50
42) 1,2-Dichloroethane	4.96	62	150409	42.936	ug/l #	68
43) Isopropyl Acetate	6.97	43	187642	90.625	ug/l #	74
44) Trichloroethene	5.52	130	125716	43.241	ug/l	100
45) 1,2-Dichloropropane	6.25	63	112808	44.963	ug/l	99
46) Dibromomethane	6.10	93	67122	41.249	ug/l	97
47) Bromodichloromethane	6.40	83	167136	39.531	ug/l	97
48) Methyl methacrylate	6.72	41	117186m	81.072	ug/l	
49) 1,4-Dioxane	6.72	88	8675	827.124	ug/l #	1
51) 4-Methyl-2-Pentanone	8.28	43	505651	356.089	ug/l #	84
52) Toluene	7.64	92	272864	44.701	ug/l	98
53) t-1,3-Dichloropropene	8.29	75	138518	40.612	ug/l	95
54) cis-1,3-Dichloropropene	7.32	75	170608	39.855	ug/l #	87
55) 1,1,2-Trichloroethane	8.51	97	74385	40.648	ug/l #	86
56) Ethyl methacrylate	8.64	69	200486	101.247	ug/l	100
57) 1,3-Dichloropropane	8.86	76	131821	39.828	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.32	63	56498	148.560	ug/l	93
59) 2-Hexanone	9.51	43	224062	218.188	ug/l	99
60) Dibromochloromethane	8.74	129	108577	41.391	ug/l	94
61) 1,2-Dibromoethane	9.00	107	75070	38.411	ug/l	100
64) Tetrachloroethene	8.16	164	97013	48.635	ug/l	97
65) Chlorobenzene	9.81	112	257810	48.127	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.95	131	110196	50.338	ug/l	98
67) Ethyl Benzene	9.92	91	972400	99.638	ug/l	94
68) m/p-Xylenes	10.15	106	718829	209.295	ug/l	92
69) o-Xylene	10.73	106	184476	48.430	ug/l	92
70) Styrene	10.80	104	264965	57.852	ug/l	97
71) Bromoform	10.79	173	54198	53.513	ug/l #	98
73) Isopropylbenzene	11.13	105	773599	69.913	ug/l	98
74) N-amyl acetate	11.38	43	157332	64.043	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	11.71	83	87701	47.756	ug/l	95
76) 1,2,3-Trichloropropane	11.80	75	89062	65.167	ug/l	94
77) Bromobenzene	11.51	156	117194	49.201	ug/l	89
78) n-propylbenzene	11.61	91	1716269	Below Cal		92
79) 2-Chlorotoluene	11.72	91	726236	95.674	ug/l #	60
80) 1,3,5-Trimethylbenzene	11.83	105	2072387	227.452	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.88	75	30183m	51.395	ug/l	
82) 4-Chlorotoluene	11.91	91	354576	45.155	ug/l	99
83) tert-Butylbenzene	12.14	119	424832	45.312	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	3458071	380.596	ug/l	88
85) sec-Butylbenzene	12.32	105	754093	61.632	ug/l	85
86) p-Isopropyltoluene	12.47	119	861019	84.779	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	203818	52.725	ug/l	96
88) 1,4-Dichlorobenzene	12.57	146	204900	46.847	ug/l	96
89) n-Butylbenzene	12.85	91	911616	Below Cal	#	64
90) Hexachloroethane	12.93	117	112223	44.725	ug/l	93
91) 1,2-Dichlorobenzene	12.95	146	196643	46.179	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.65	75	18525	54.971	ug/l	74

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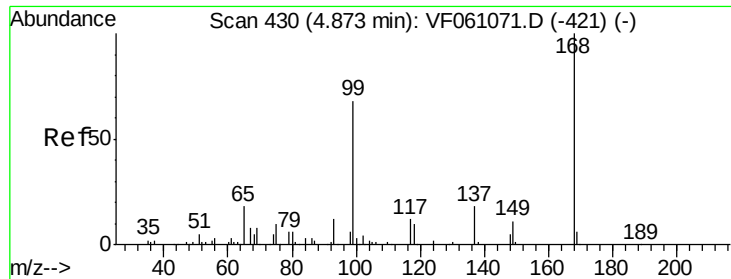
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	103783	34.366	ug/l	97
94) Hexachlorobutadiene	14.20	225	38969	20.260	ug/l	97
95) Naphthalene	14.47	128	659270	119.551	ug/l	97
96) 1,2,3-Trichlorobenzene	14.62	180	99458	35.625	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MSD

Tot Ion:168 Resp: 191926

Ion Ratio Lower Upper

168 100

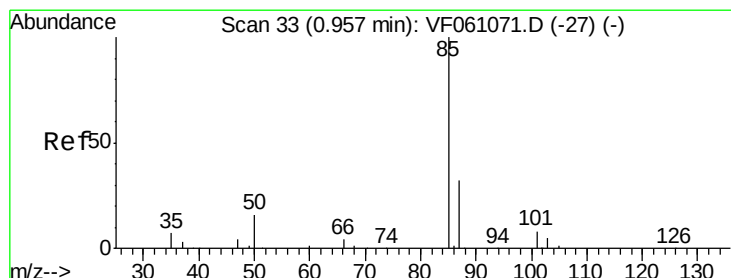
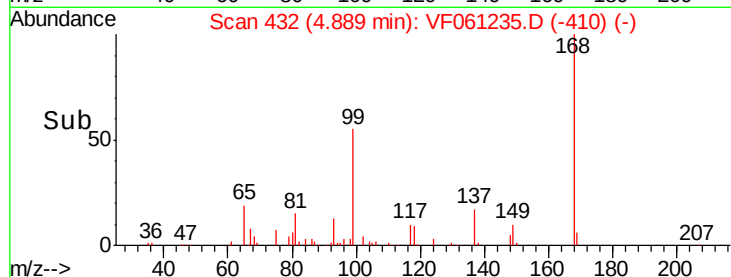
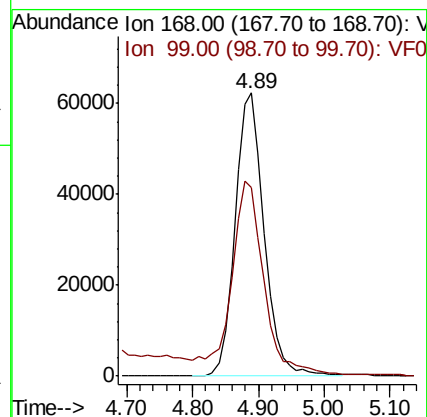
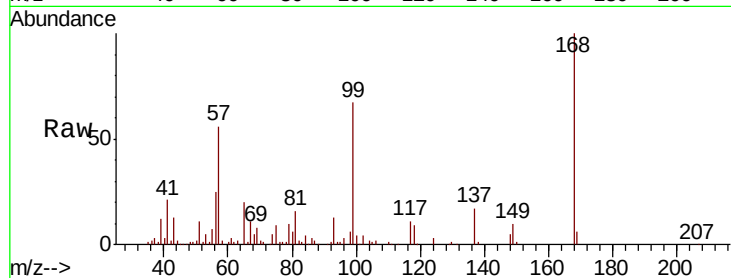
99 66.6 54.4 81.6

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#2

Dichlorodifluoromethane

Concen: 41.690 ug/l

RT: 0.97 min Scan# 35

Delta R.T. 0.02 min

Lab File: VF061235.D

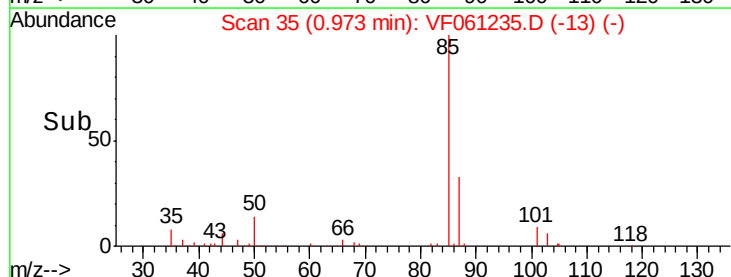
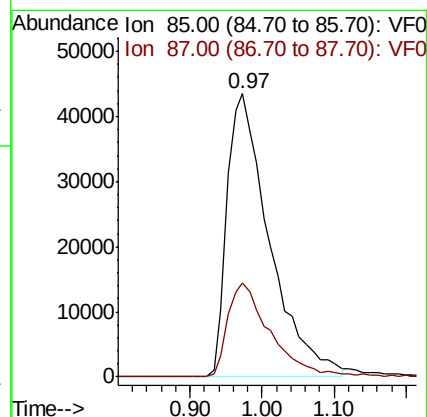
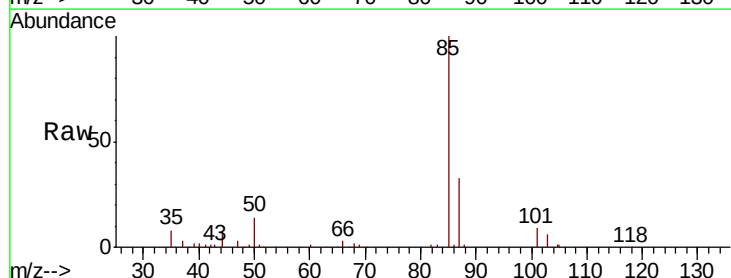
Acq: 28 Dec 2018 14:51

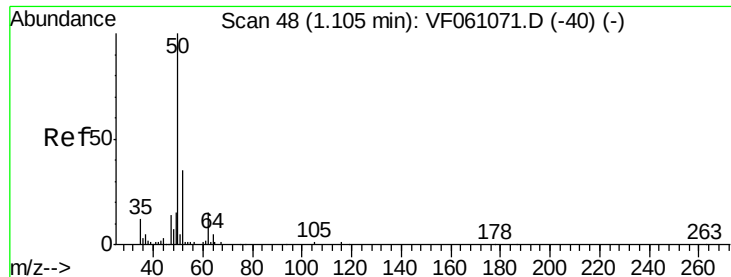
Tgt Ion: 85 Resp: 177865

Ion Ratio Lower Upper

85 100

87 33.4 15.9 47.6





#3

Chloromethane

Concen: 54.013 ug/l

RT: 1.10 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MSD

Tot Ion: 50 Resp: 131999

Ion Ratio Lower Upper

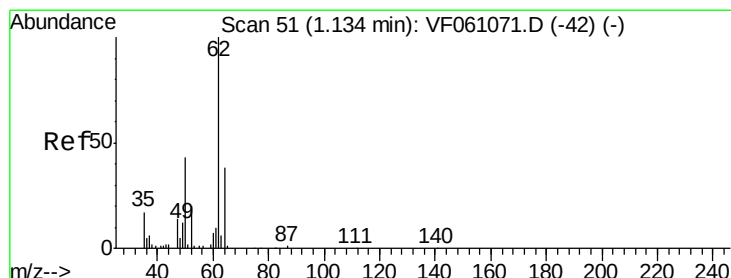
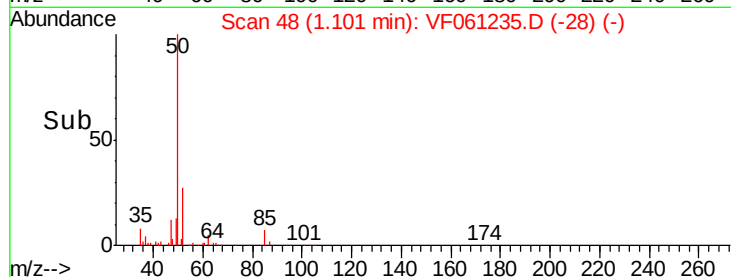
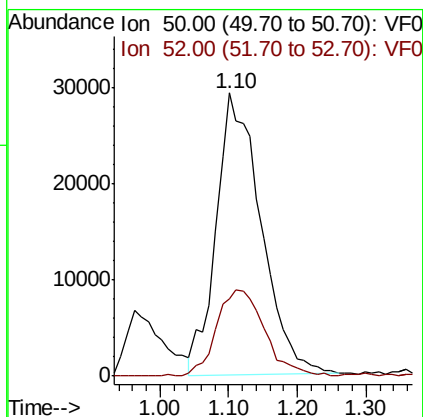
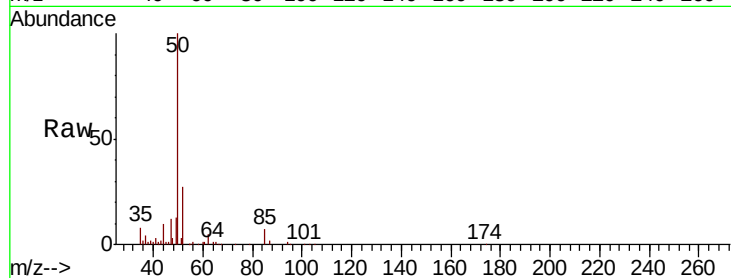
50 100

52 27.3 26.3 39.5

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#4

Vinyl Chloride

Concen: 53.280 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.02 min

Lab File: VF061235.D

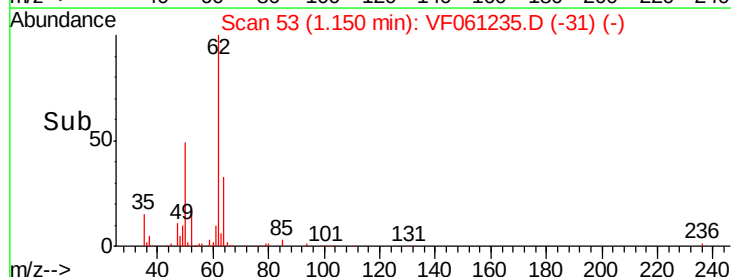
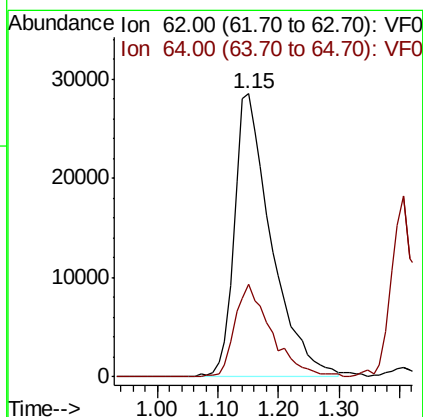
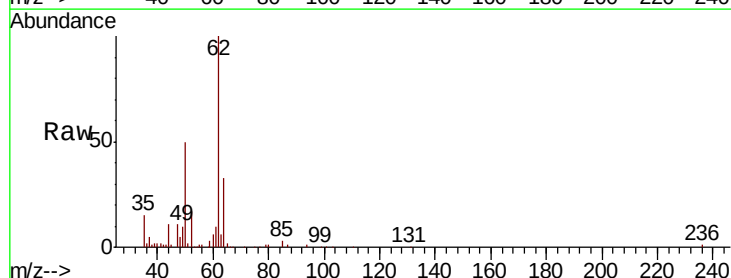
Acq: 28 Dec 2018 14:51

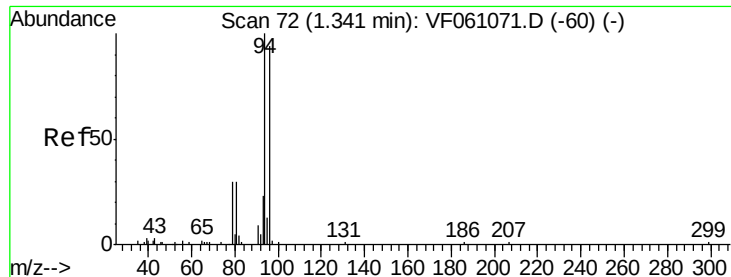
Tgt Ion: 62 Resp: 120790

Ion Ratio Lower Upper

62 100

64 32.5 30.4 45.6





#5

Bromomethane

Concen: 49.887 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MSD

Tot Ion: 94 Resp: 78445

Ion Ratio Lower Upper

94 100

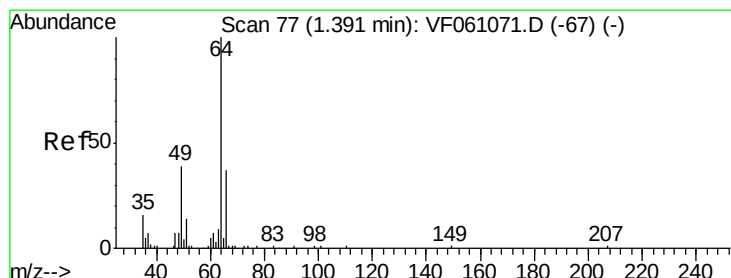
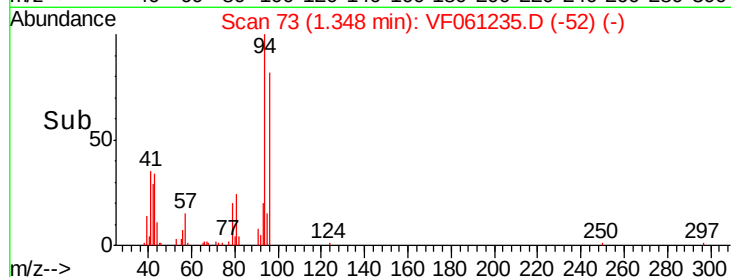
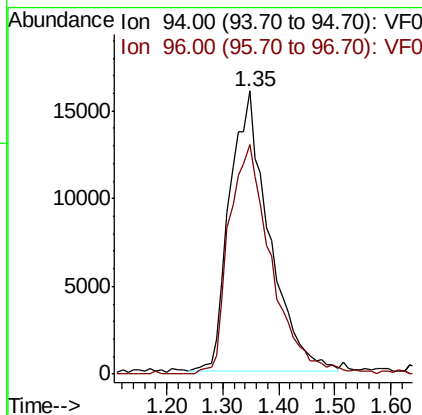
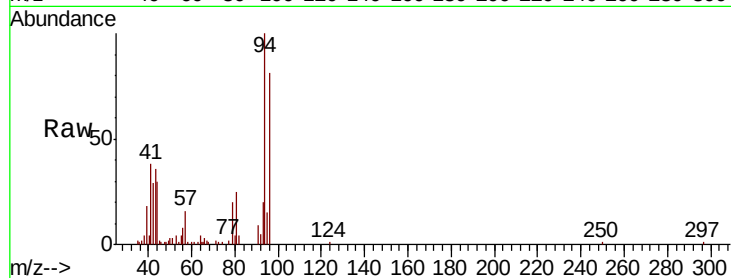
96 81.0 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 53.125 ug/l

RT: 1.41 min Scan# 79

Delta R.T. 0.02 min

Lab File: VF061235.D

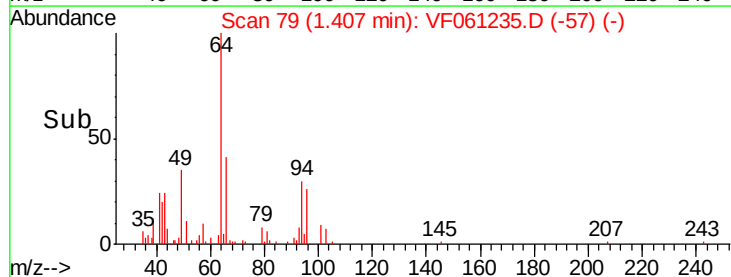
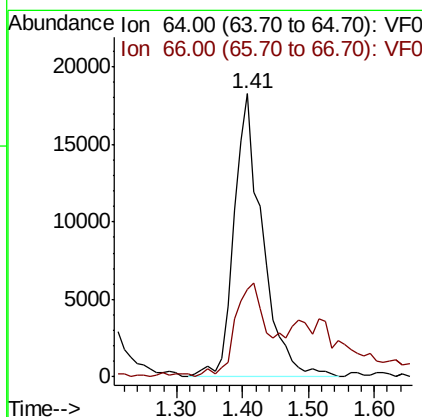
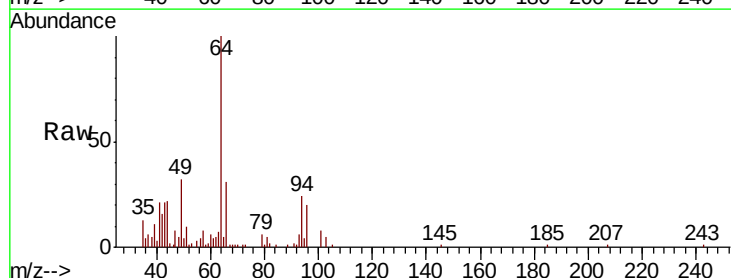
Acq: 28 Dec 2018 14:51

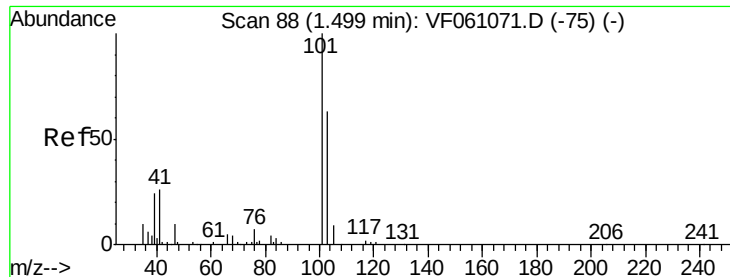
Tgt Ion: 64 Resp: 55495

Ion Ratio Lower Upper

64 100

66 30.8 30.9 46.3#





#7

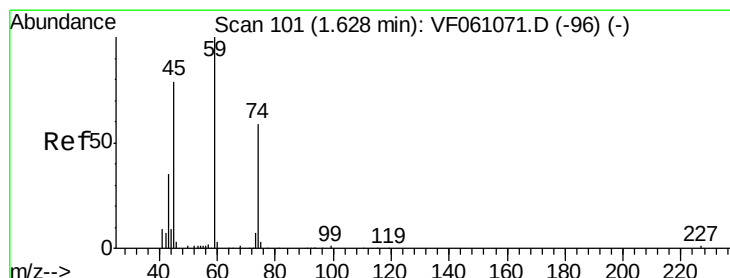
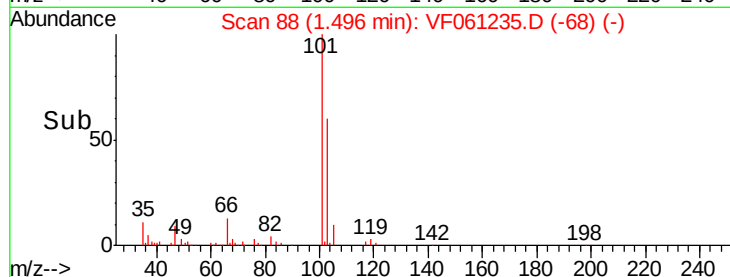
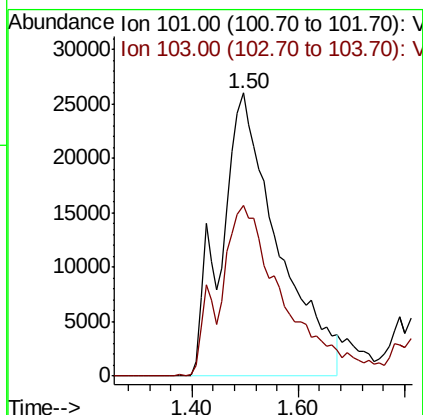
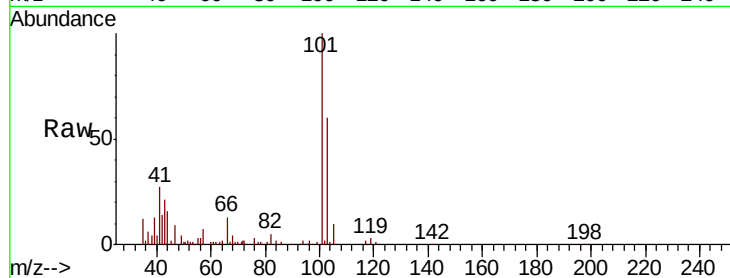
Trichlorofluoromethane
Concen: 44.777 ug/l m
RT: 1.50 min Scan# 88
Delta R.T. -0.00 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
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ClientSampleId :
S72-0050MSD

Tot Ion:101 Resp: 193824
Ion Ratio Lower Upper
101 100
103 60.5 50.7 76.1

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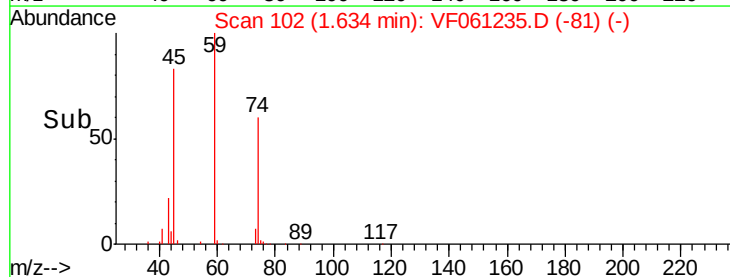
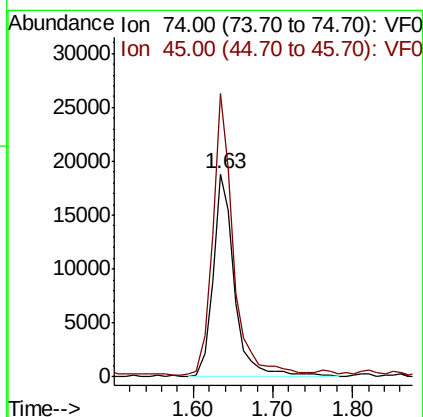
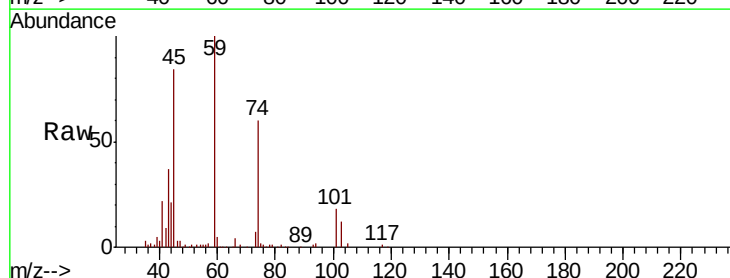
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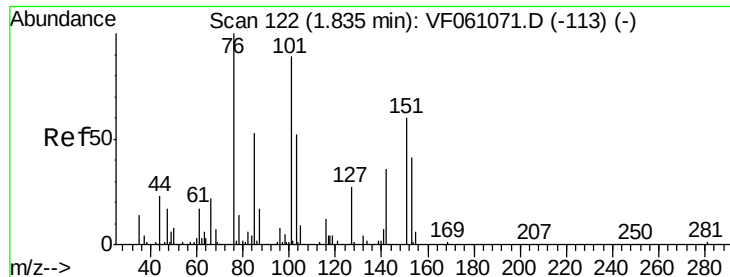


#8

Diethyl Ether
Concen: 60.262 ug/l
RT: 1.63 min Scan# 102
Delta R.T. 0.01 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion: 74 Resp: 35721
Ion Ratio Lower Upper
74 100
45 139.4 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.560 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

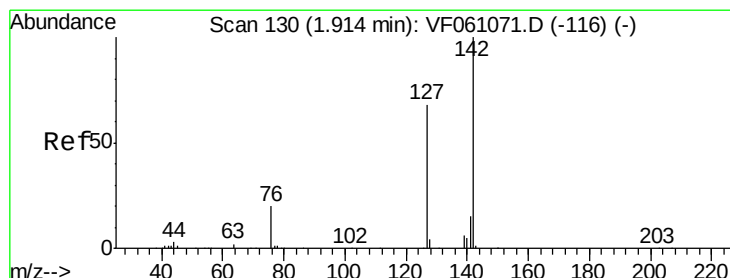
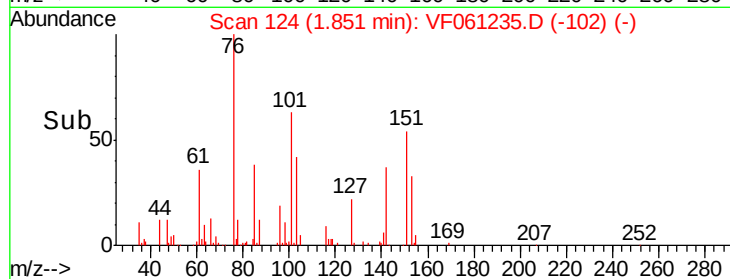
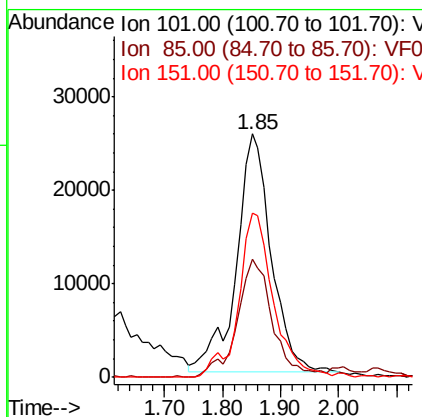
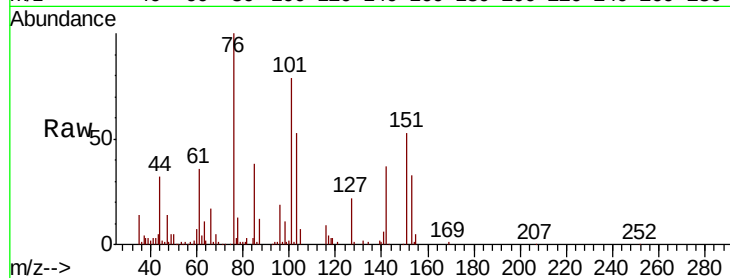
ClientSampleId :

S72-0050MSD

Tot Ion:	101	Resp:	106743
Ion Ratio	Lower	Upper	
101	100		
85	48.3	44.5	66.7
151	67.5	49.9	74.9

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#10

Methyl Iodide

Concen: 49.608 ug/l m

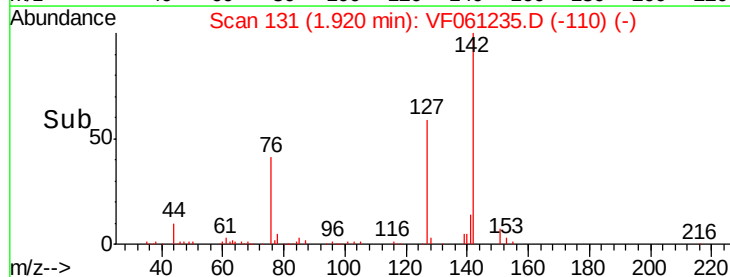
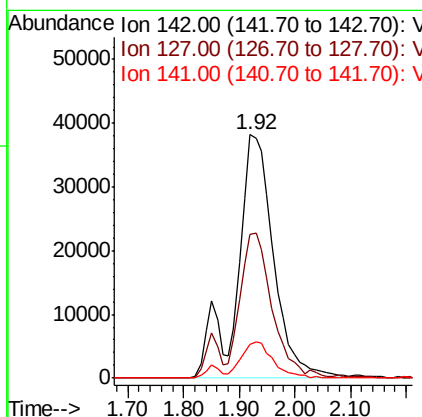
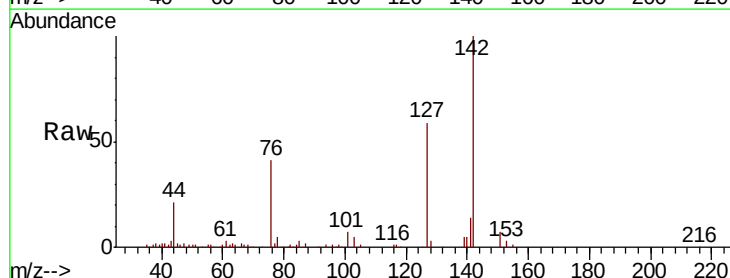
RT: 1.92 min Scan# 131

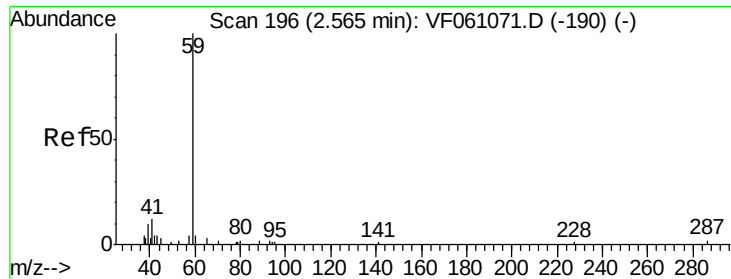
Delta R.T. 0.01 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Tgt Ion:	142	Resp:	175503
Ion Ratio	Lower	Upper	
142	100		
127	59.1	54.7	82.1
141	13.7	12.2	18.2





#11

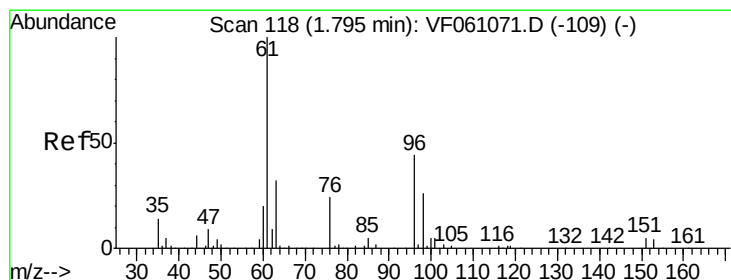
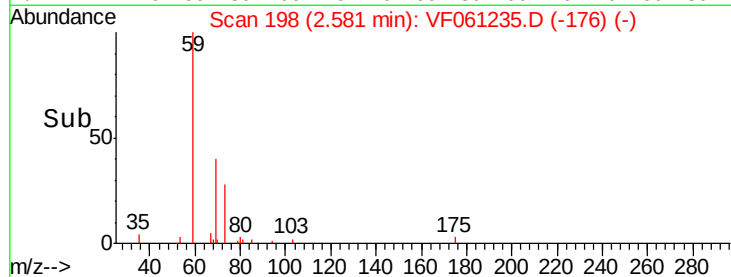
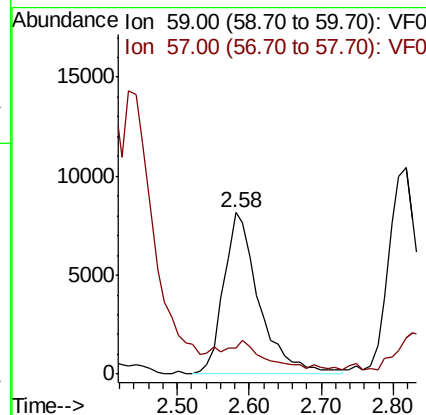
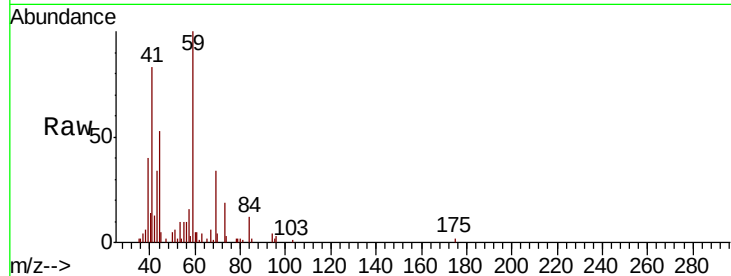
Tert butyl alcohol
Concen: 280.533 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MSD

Tot Ion	59	Resp	27945
Ion Ratio	100	Lower	Upper
57	16.5	11.5	17.3

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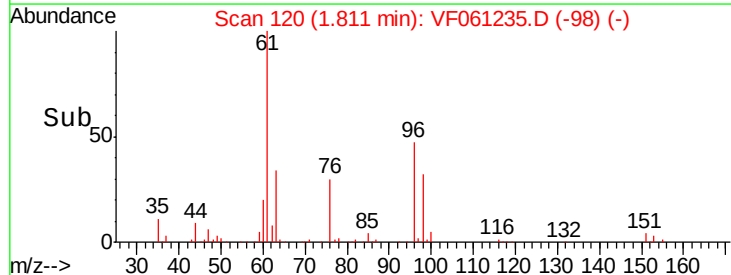
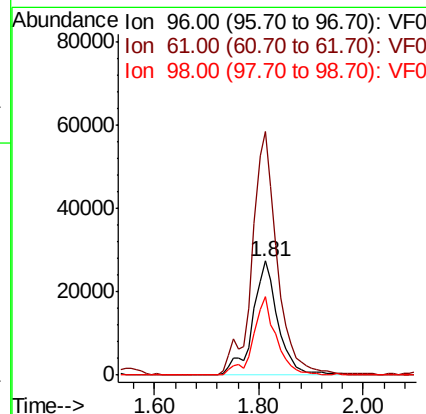
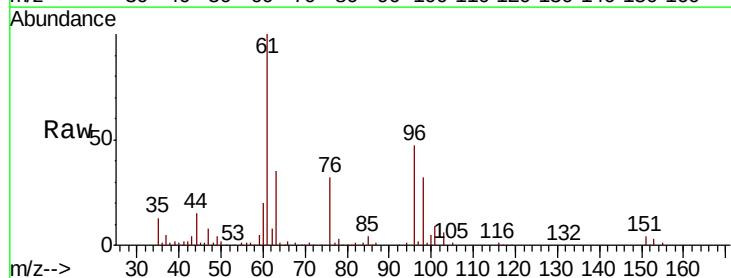
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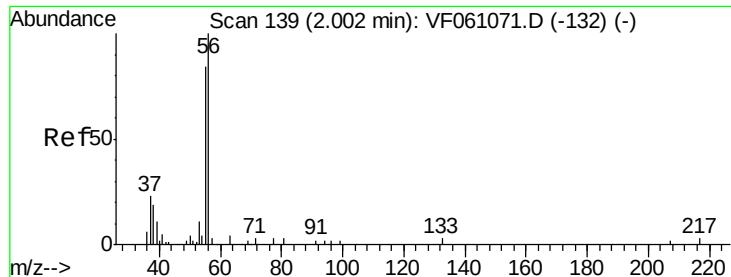


#12

1,1-Dichloroethene
Concen: 53.125 ug/l
RT: 1.81 min Scan# 120
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion	96	Resp	89878
Ion Ratio	100	Lower	Upper
61	213.4	182.0	273.0
98	68.9	46.5	69.7





#13

Acrolein

Concen: 441.369 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MSD

Tot Ion: 56 Resp: 31770

Ion Ratio Lower Upper

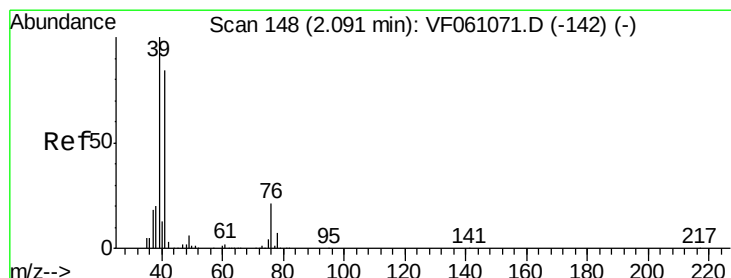
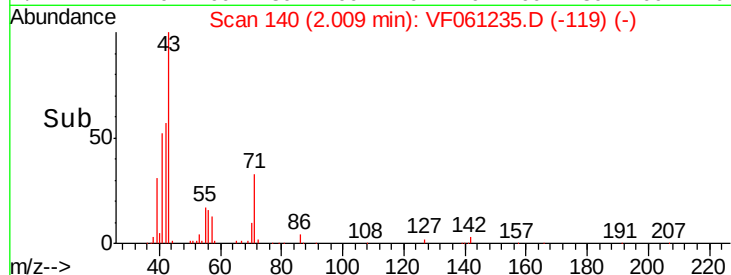
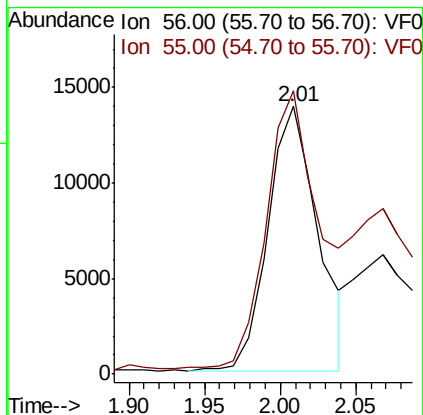
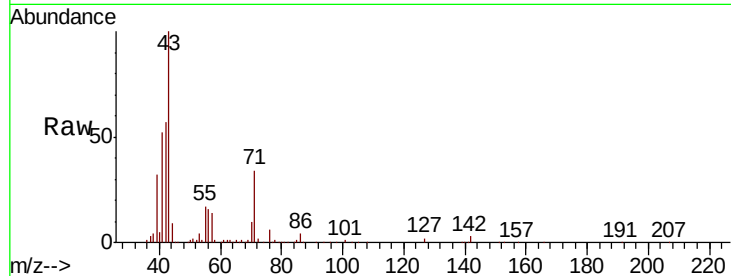
56 100

55 105.8 70.2 105.2#

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#14

Allyl chloride

Concen: 104.649 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

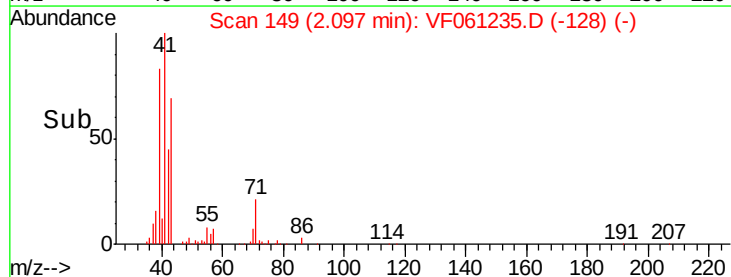
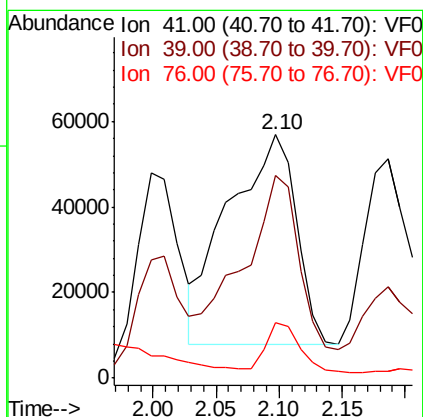
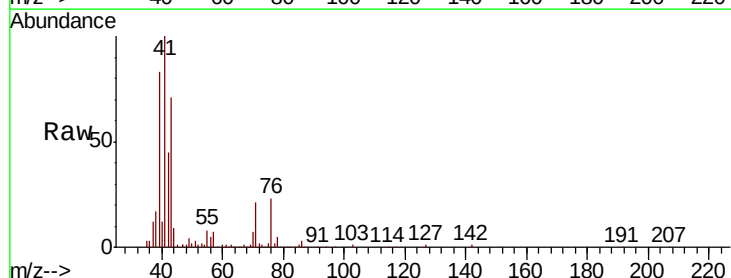
Tgt Ion: 41 Resp: 184247

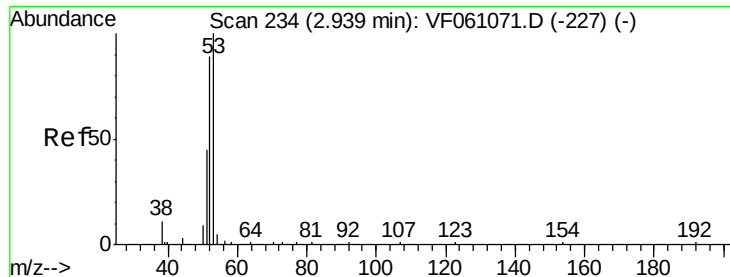
Ion Ratio Lower Upper

41 100

39 83.3 96.4 144.6#

76 22.6 25.4 38.0#





#15

Acrylonitrile

Concen: 380.323 ug/l

RT: 2.96 min Scan# 236

Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

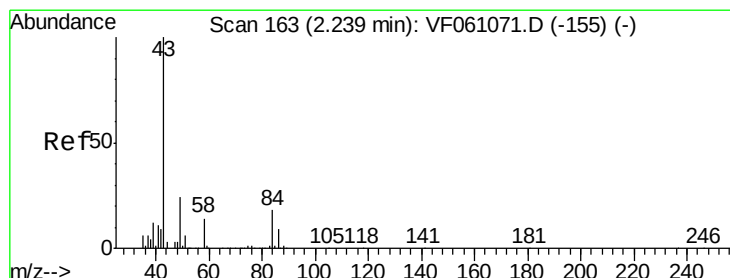
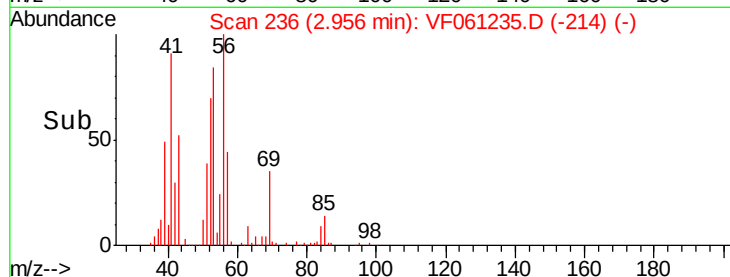
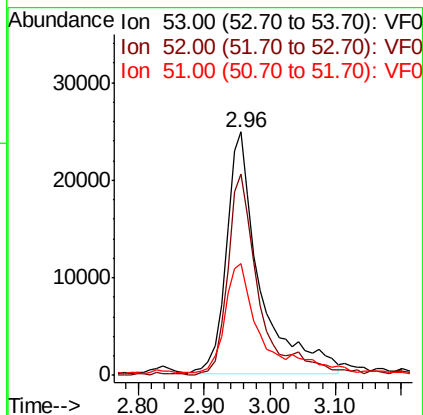
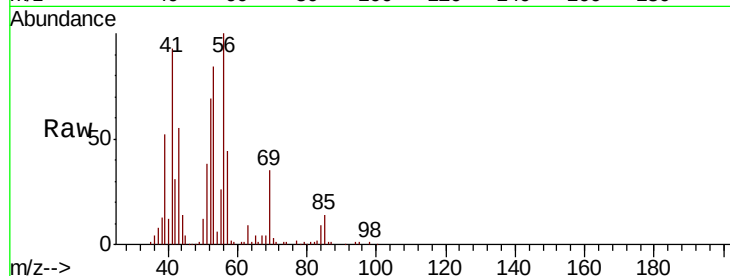
ClientSampleId :

S72-0050MSD

Tot Ion:	53	Resp:	87606
Ion	Ratio	Lower	Upper
53	100		
52	82.5	71.3	106.9
51	45.9	36.8	55.2

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#16

Acetone

Concen: 374.416 ug/l m

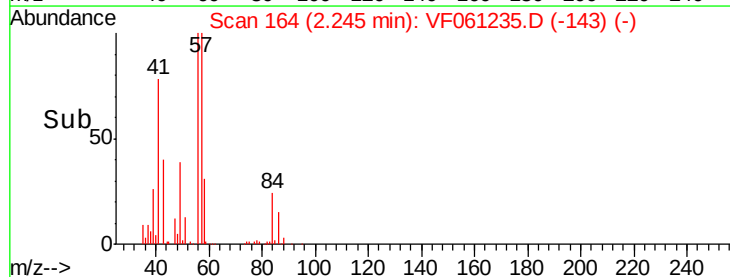
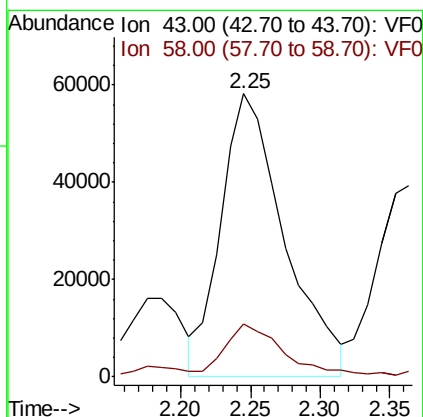
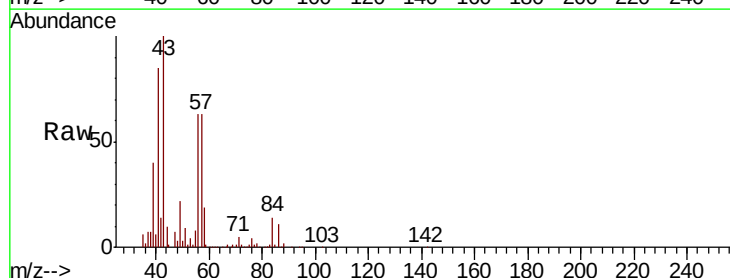
RT: 2.25 min Scan# 164

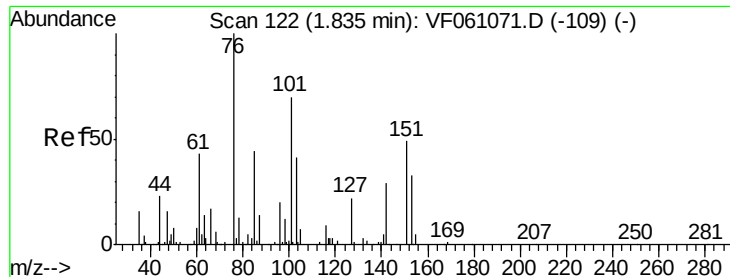
Delta R.T. 0.01 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Tgt Ion:	43	Resp:	184767
Ion	Ratio	Lower	Upper
43	100		
58	18.8	11.1	16.7#





#17

Carbon Disulfide

Concen: 48.781 ug/l m

RT: 1.85 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Tot Ion: 76 Resp: 249404

Ion Ratio Lower Upper

76 100

78 12.7 10.2 15.4

Instrument :

MSVOA_F

ClientSampleId :

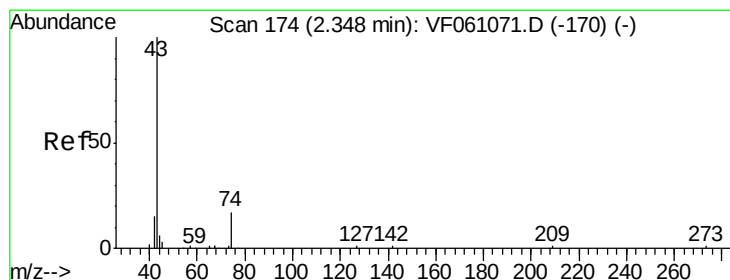
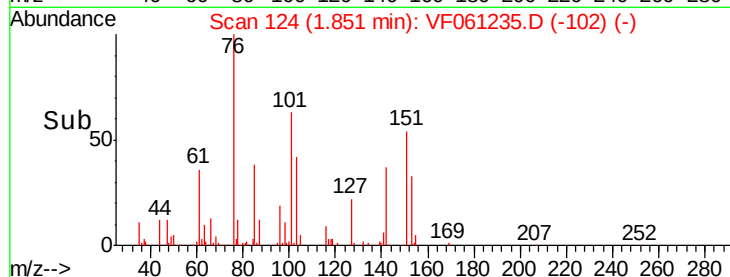
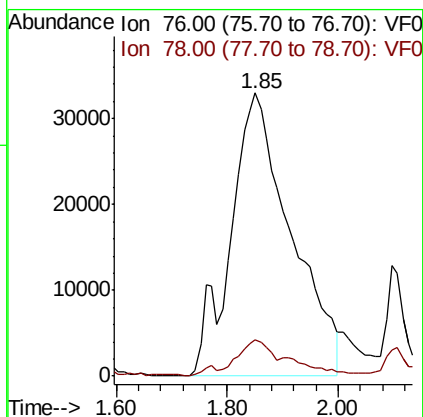
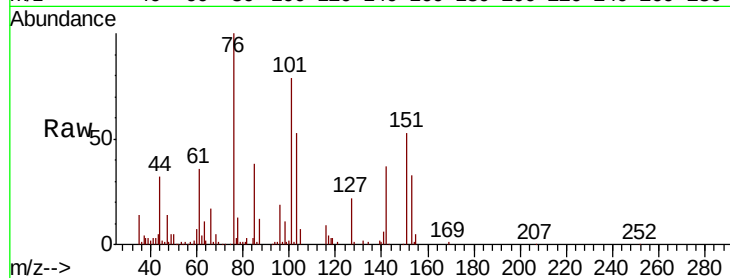
S72-0050MSD

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#18

Methyl Acetate

Concen: 128.781 ug/l

RT: 2.36 min Scan# 176

Delta R.T. 0.02 min

Lab File: VF061235.D

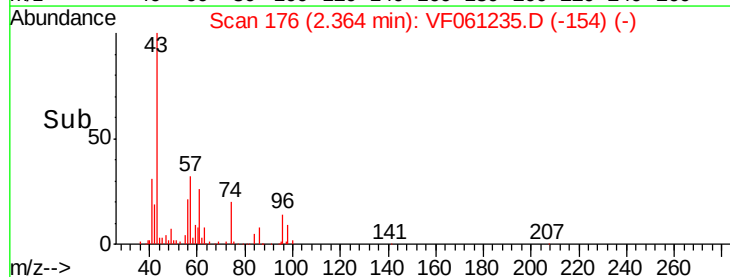
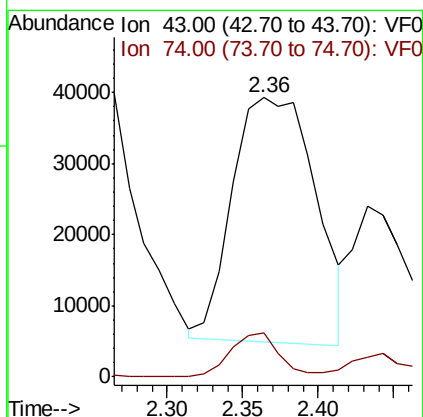
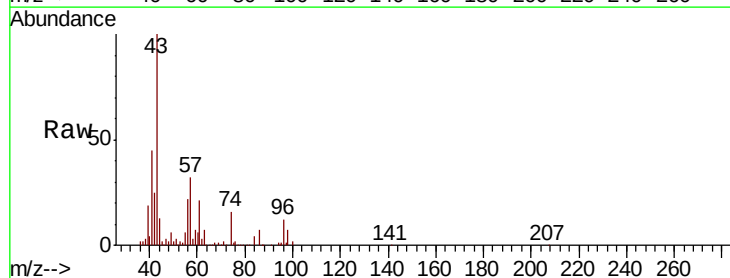
Acq: 28 Dec 2018 14:51

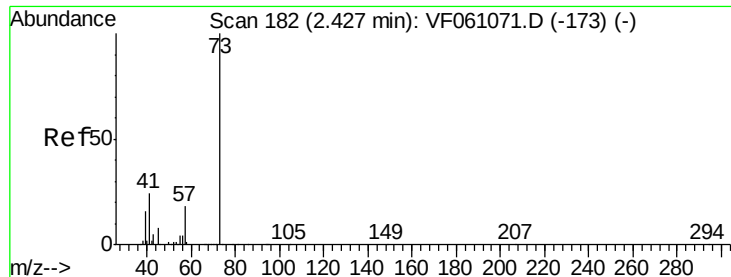
Tgt Ion: 43 Resp: 131481

Ion Ratio Lower Upper

43 100

74 15.6 11.0 16.6





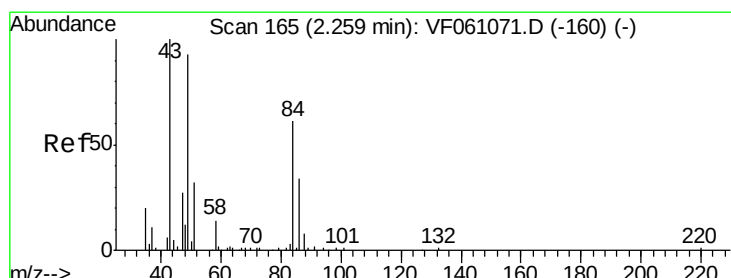
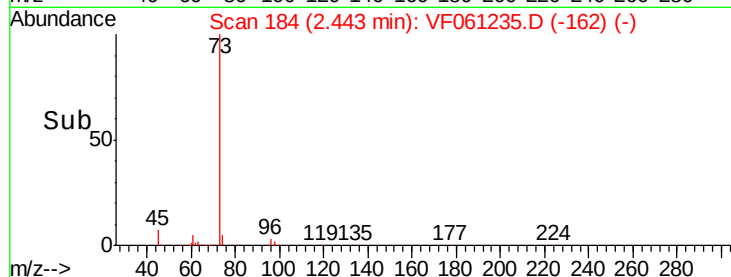
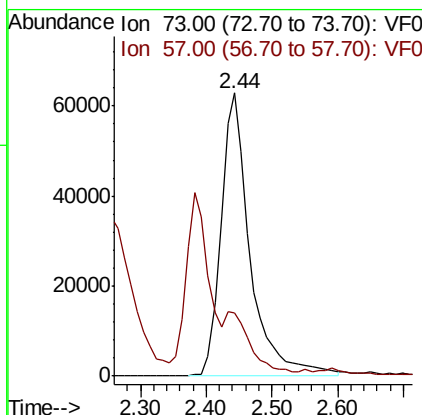
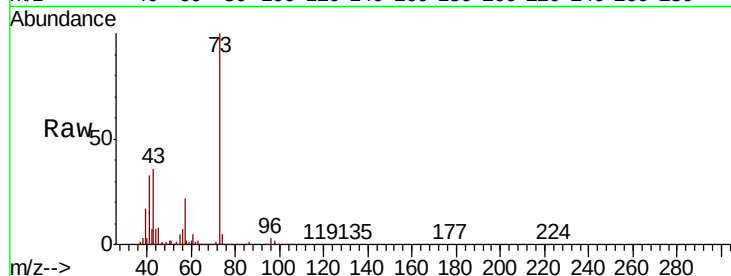
#19
Methyl tert-butyl Ether
Concen: 51.658 ug/l
RT: 2.44 min Scan# 184
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MSD

Tot Ion: 73 Resp: 193990
Ion Ratio Lower Upper
73 100
57 22.5 14.5 21.7#

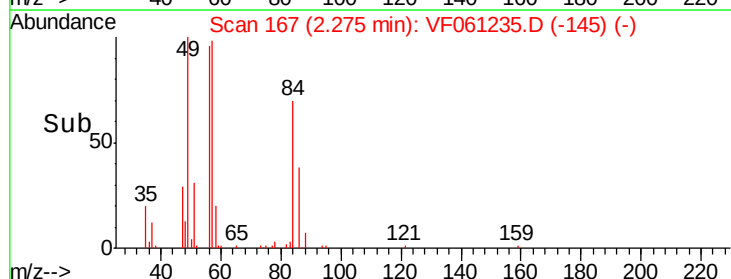
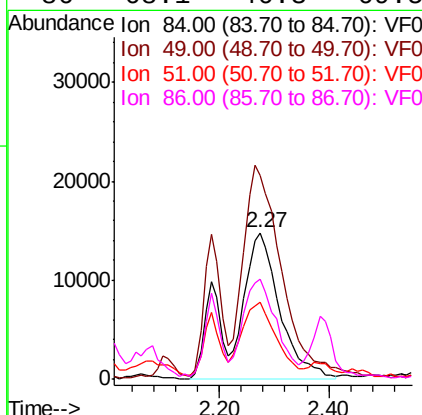
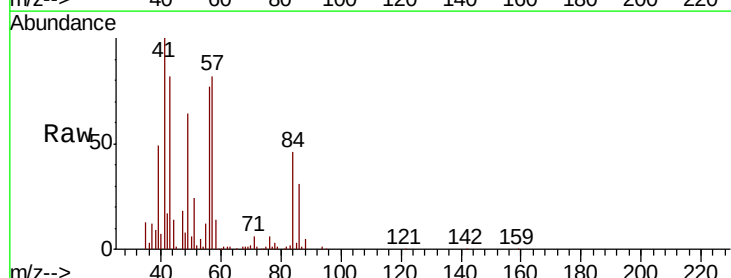
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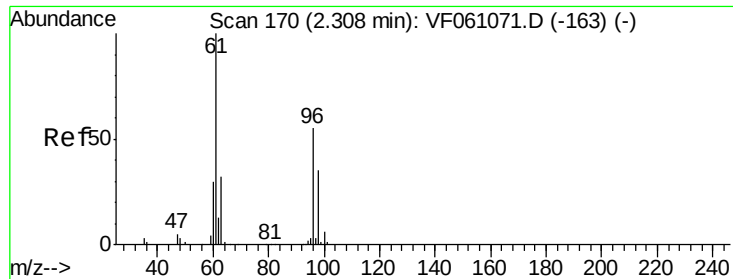
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#20
Methylene Chloride
Concen: 55.128 ug/l m
RT: 2.27 min Scan# 167
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion: 84 Resp: 86206
Ion Ratio Lower Upper
84 100
49 139.3 129.4 194.2
51 52.1 44.0 66.0
86 68.1 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 32.419 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

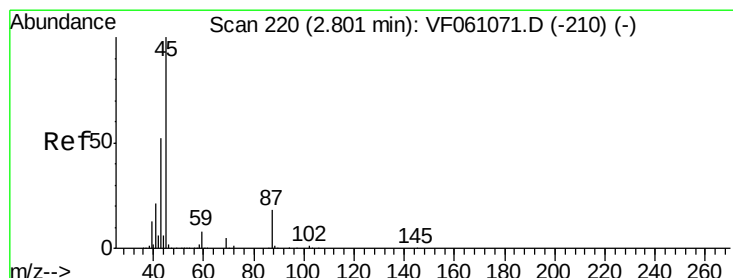
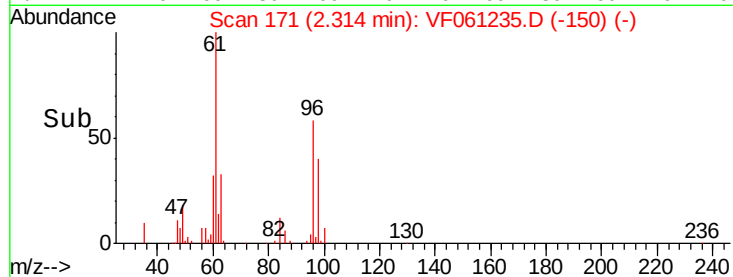
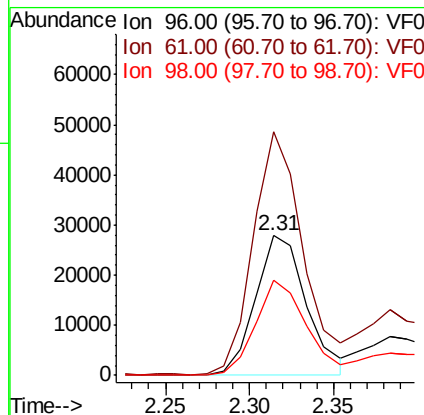
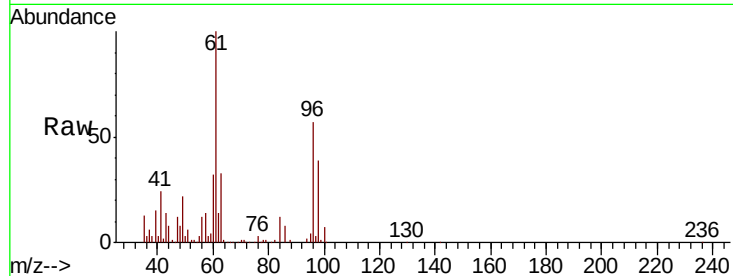
ClientSampleId :

S72-0050MSD

Tot Ion:	96	Resp:	58662
Ion	Ratio	Lower	Upper
96	100		
61	174.6	146.0	219.0
98	68.1	51.6	77.4

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#22

Diisopropyl ether

Concen: 57.711 ug/l

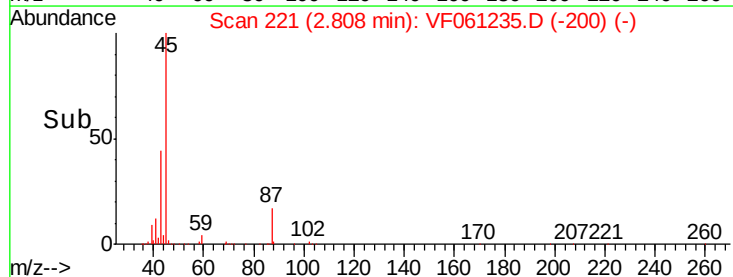
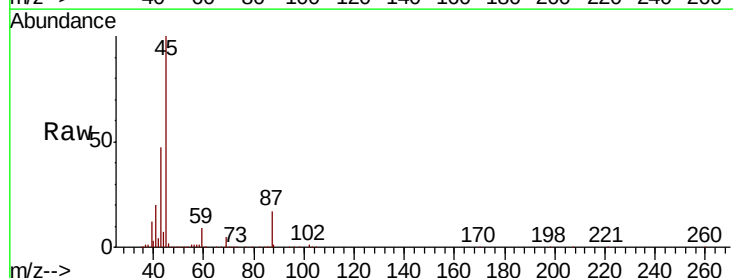
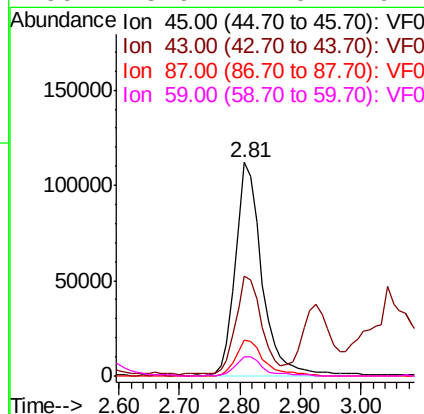
RT: 2.81 min Scan# 221

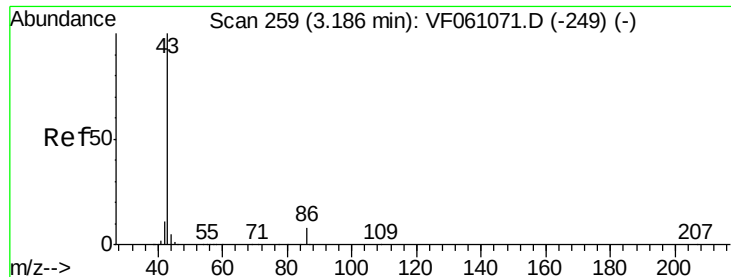
Delta R.T. 0.01 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Tgt Ion:	45	Resp:	338452
Ion	Ratio	Lower	Upper
45	100		
43	46.5	42.2	63.2
87	16.8	14.6	22.0
59	8.9	7.0	10.4





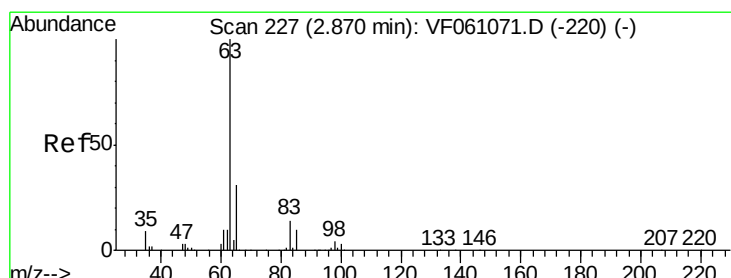
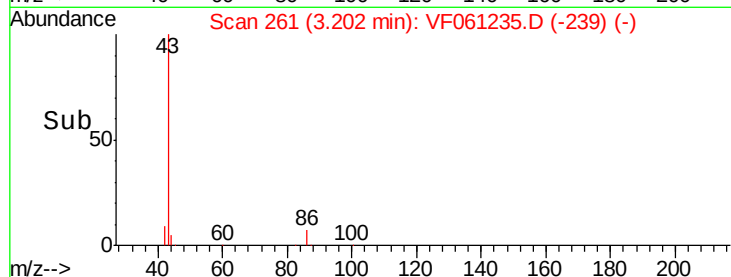
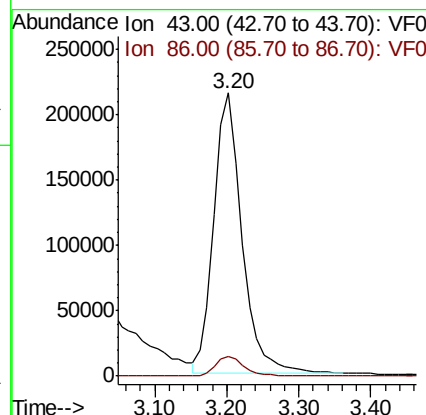
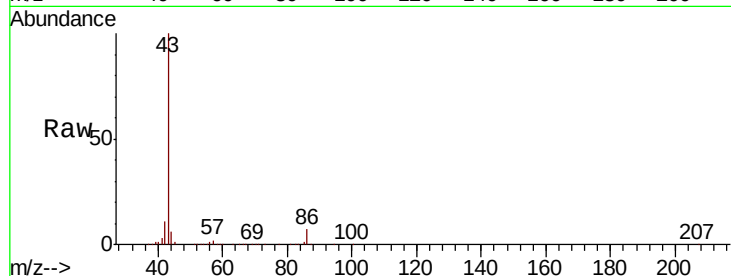
#23
Vinyl Acetate
Concen: 214.516 ug/l
RT: 3.20 min Scan# 261
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MSD

Tot Ion	Ratio	Lower	Upper
43	100		
86	6.8	6.3	9.5

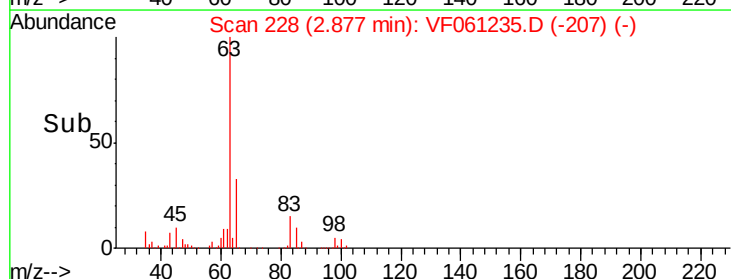
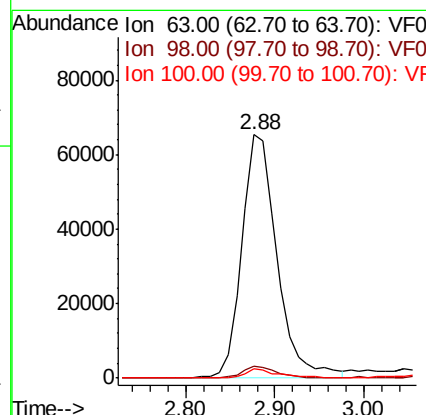
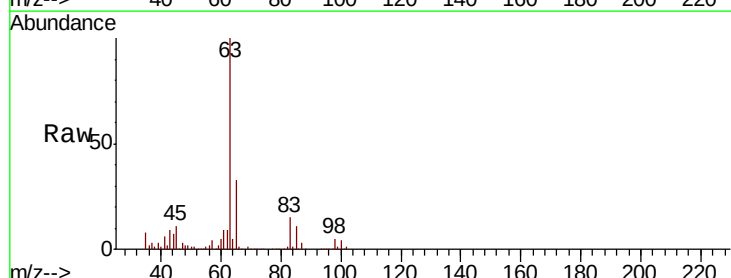
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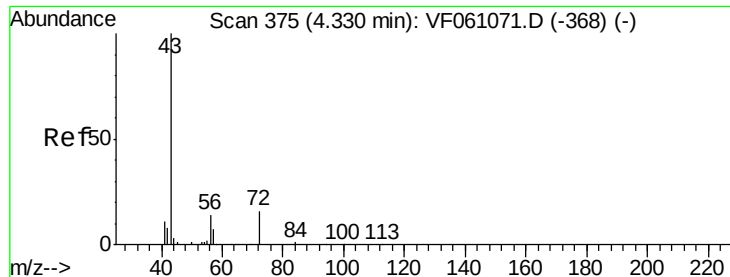
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#24
1,1-Dichloroethane
Concen: 51.669 ug/l
RT: 2.88 min Scan# 228
Delta R.T. 0.01 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.9	2.1	6.5
100	3.6	1.7	5.1





#25

2-Butanone

Concen: 275.711 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MSD

Tot Ion: 43 Resp: 220660

Ion Ratio Lower Upper

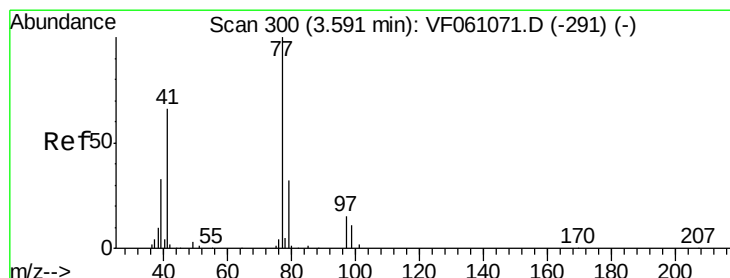
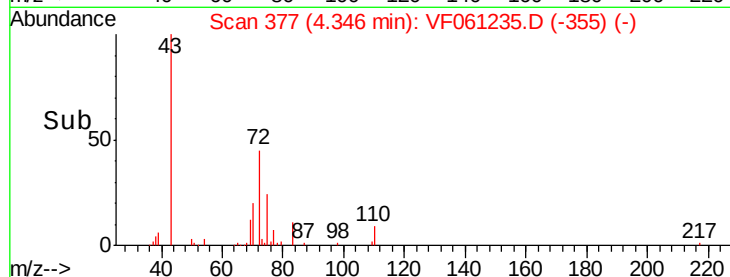
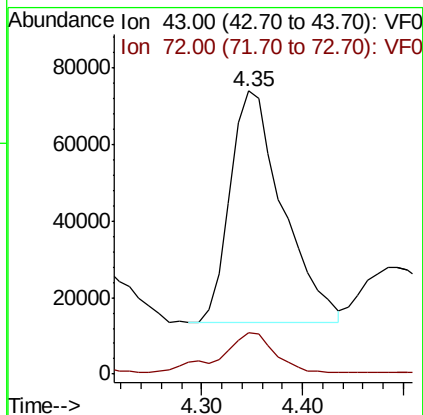
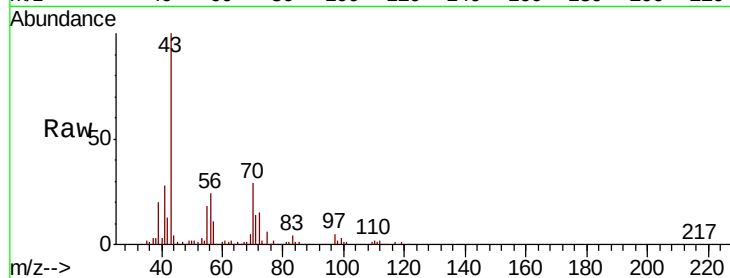
43 100

72 14.6 15.6 23.4#

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#26

2,2-Dichloropropane

Concen: 39.705 ug/l

RT: 3.62 min Scan# 303

Delta R.T. 0.03 min

Lab File: VF061235.D

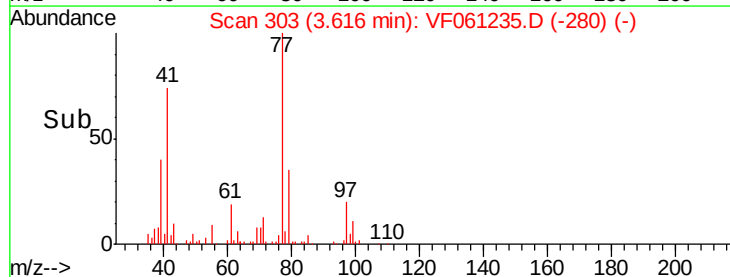
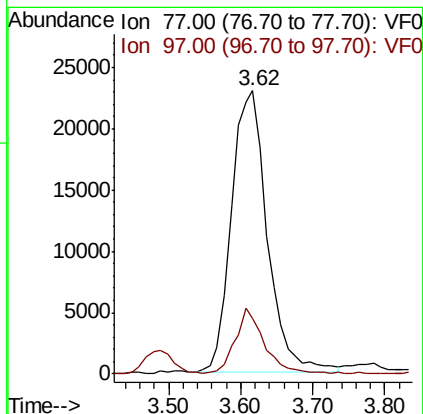
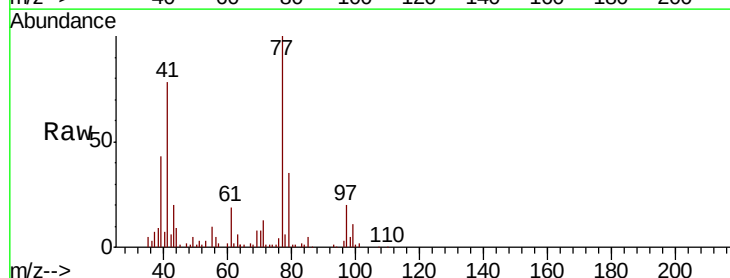
Acq: 28 Dec 2018 14:51

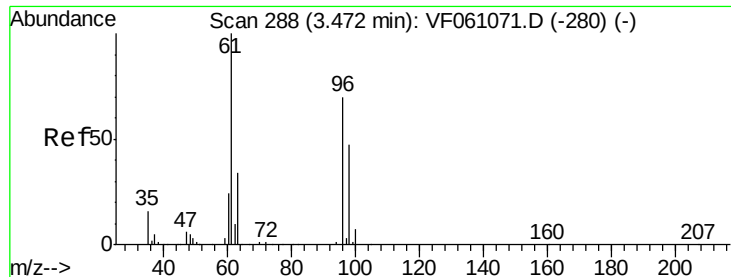
Tgt Ion: 77 Resp: 79175

Ion Ratio Lower Upper

77 100

97 19.5 8.2 24.4





#27

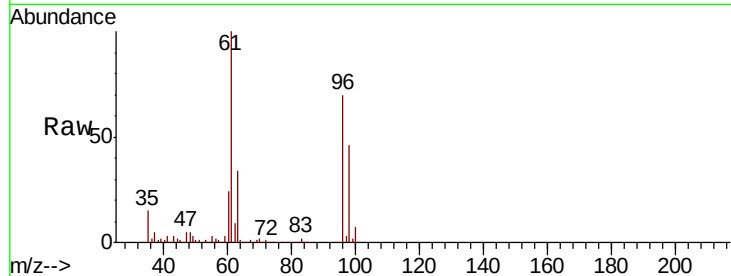
cis-1,2-Dichloroethene
Concen: 51.078 ug/l
RT: 3.49 min Scan# 290
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	141495		
61	141.9	0.0	287.8	
98	65.4	0.0	134.2	

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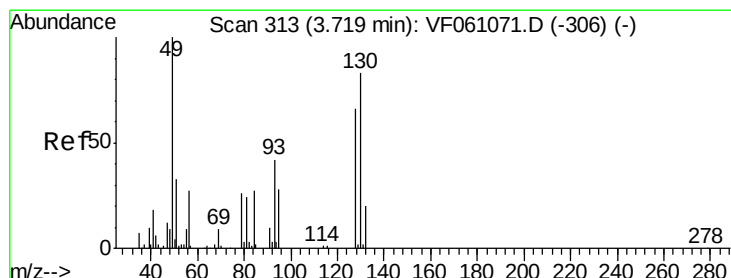
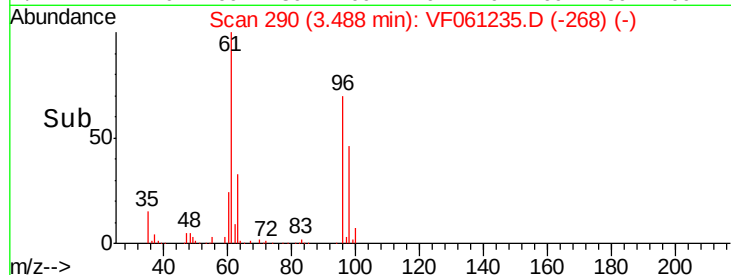
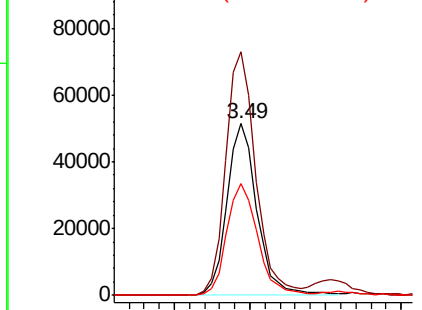


Abundance

Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

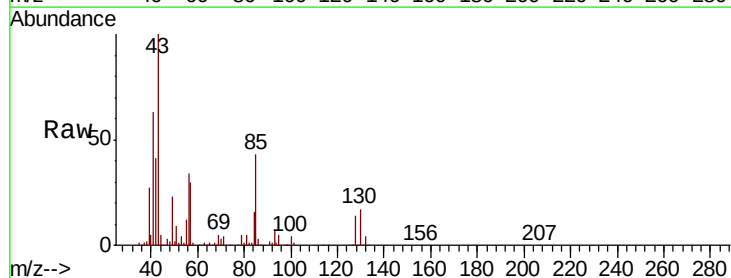
Ion 98.00 (97.70 to 98.70): VF0



#28

Bromochloromethane
Concen: 44.916 ug/l
RT: 3.73 min Scan# 315
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	79192		
129	1.8	0.0	3.6	
130	76.5	65.8	98.6	

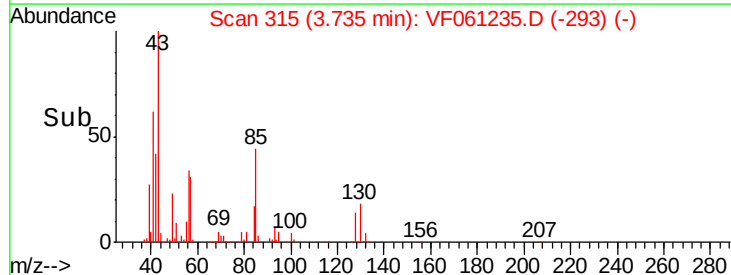
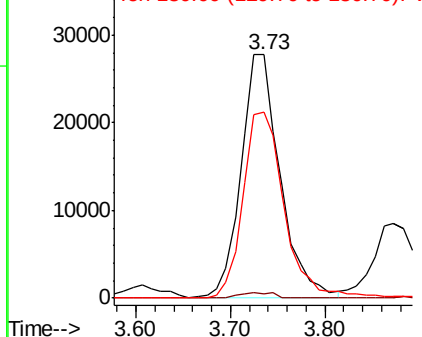


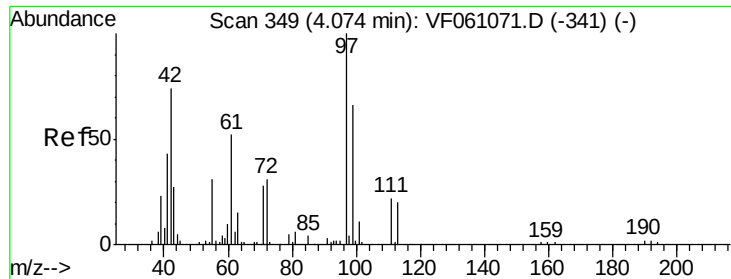
Abundance

Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





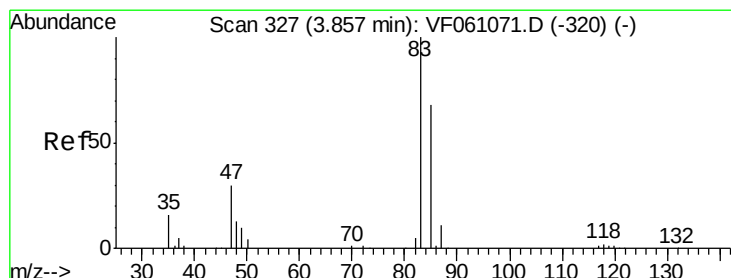
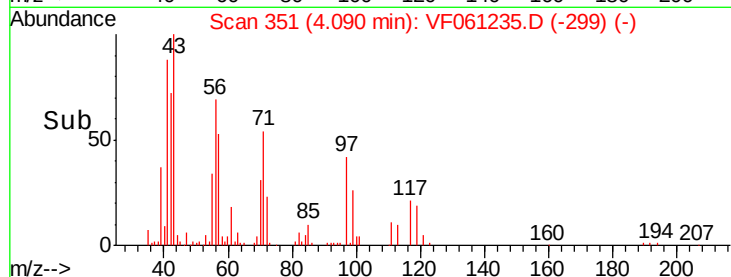
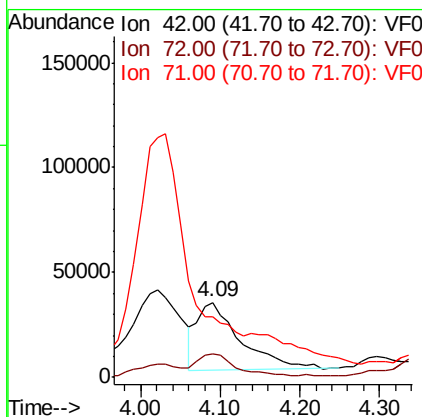
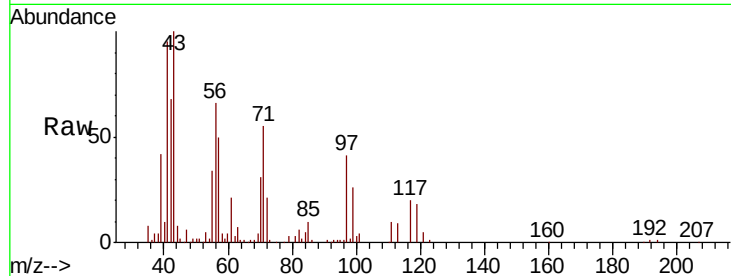
#29
Tetrahydrofuran
Concen: 376.588 ug/l
RT: 4.09 min Scan# 351
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.4	31.8	47.8
71	0.0	29.7	44.5#

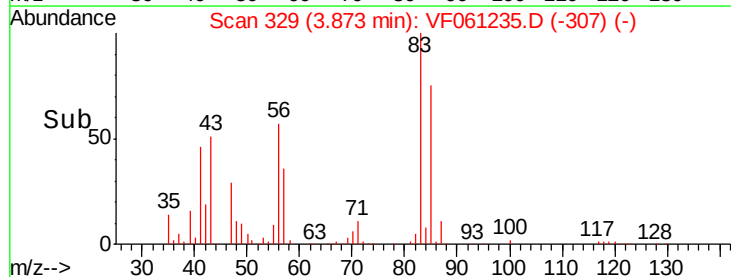
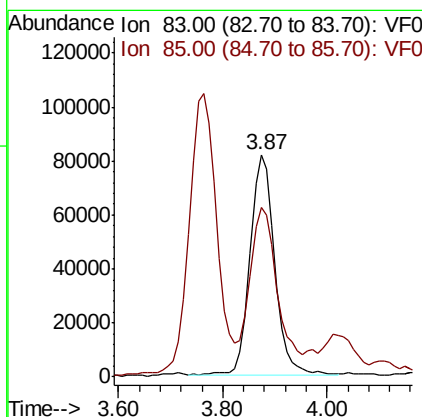
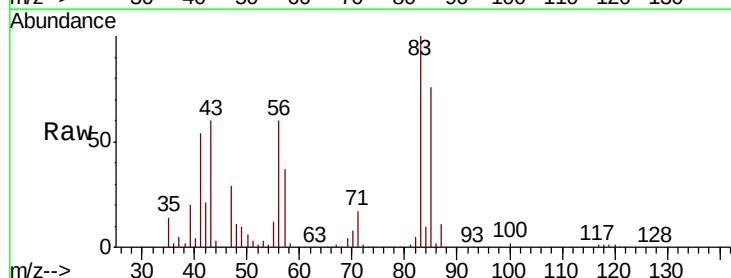
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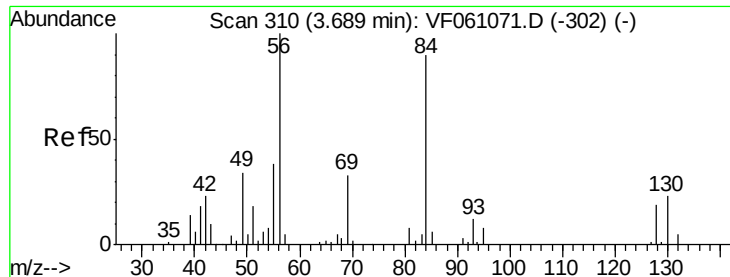
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#30
Chloroform
Concen: 49.753 ug/l
RT: 3.87 min Scan# 329
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
83	100		
85	76.4	54.5	81.7





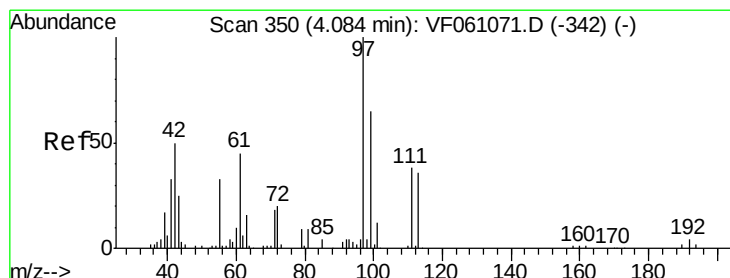
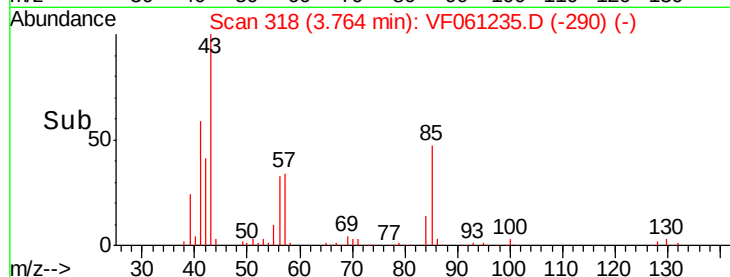
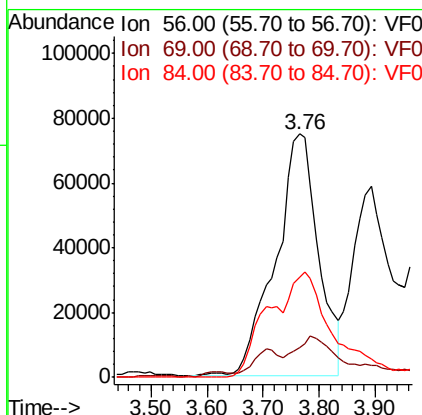
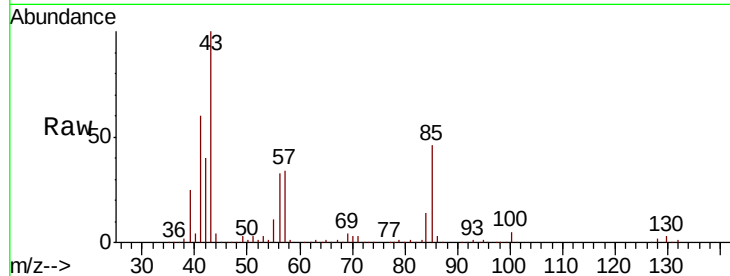
#31
Cyclohexane
Concen: 110.426 ug/l
RT: 3.76 min Scan# 318
Delta R.T. 0.08 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	12.3	26.0	39.0#
84	41.3	71.4	107.2#

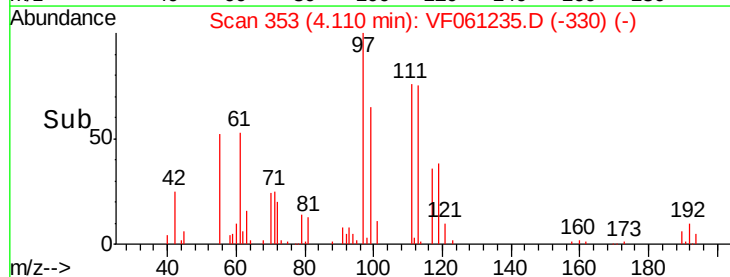
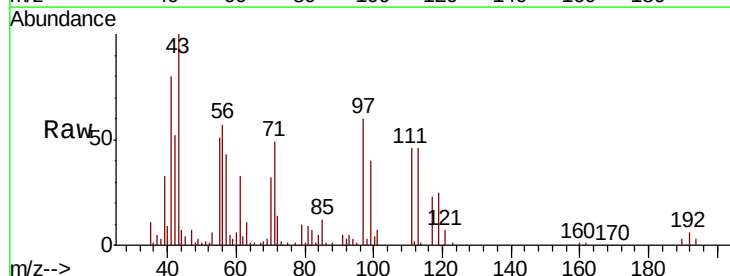
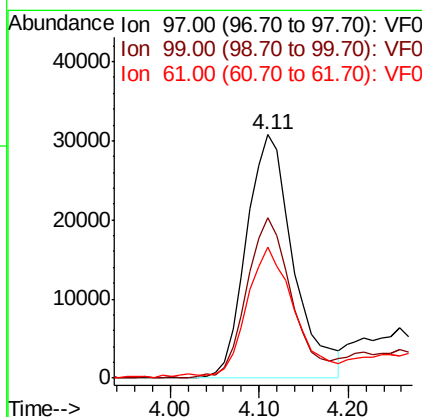
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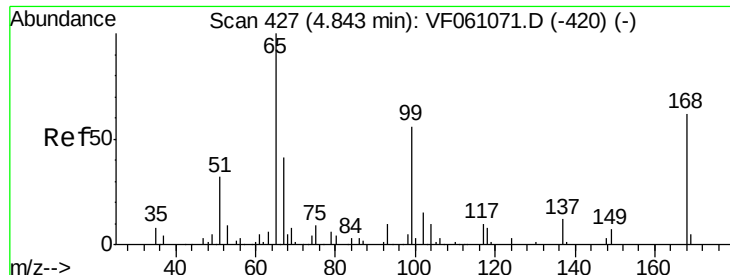
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#32
1,1,1-Trichloroethane
Concen: 36.054 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.03 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	51.6	77.4
61	54.0	36.2	54.2





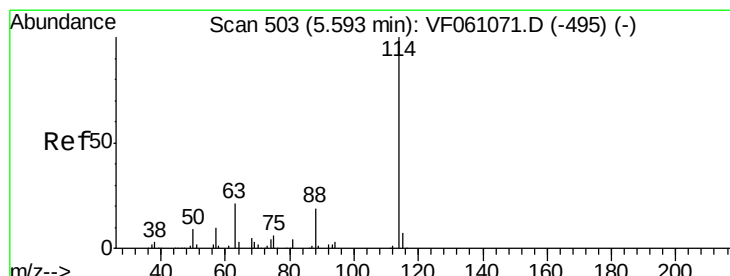
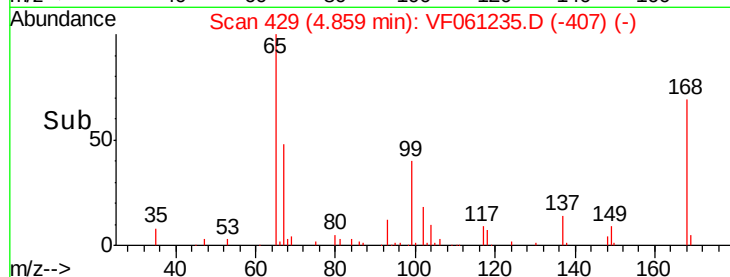
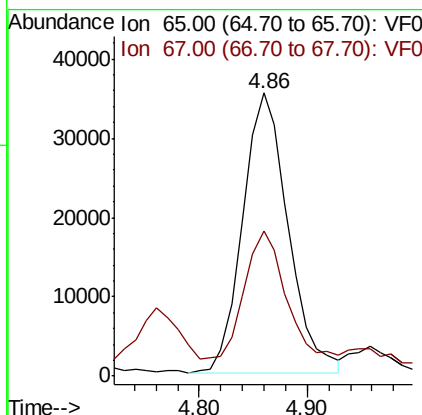
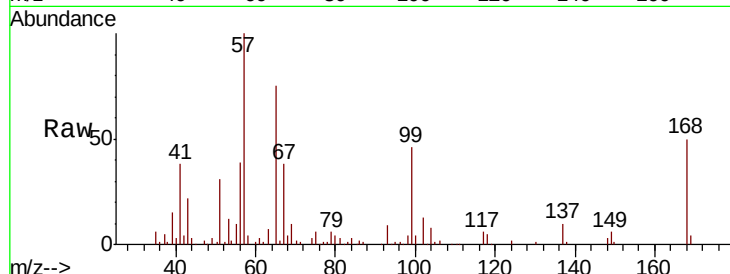
#33
 1,2-Dichloroethane-d4
 Concen: 41.966 ug/l
 RT: 4.86 min Scan# 429
 Delta R.T. 0.02 min
 Lab File: VF061235.D
 Acq: 28 Dec 2018 14:51

Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0050MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	103593		
67	51.1	0.0	94.6	

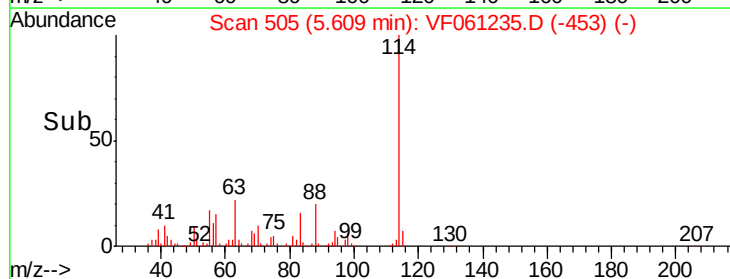
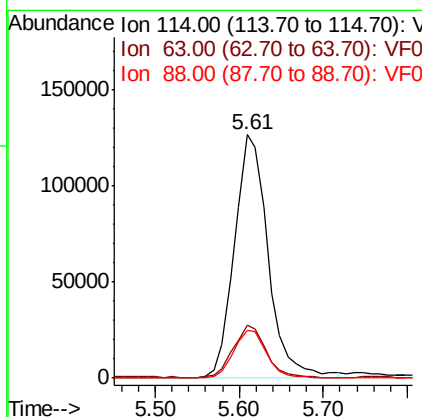
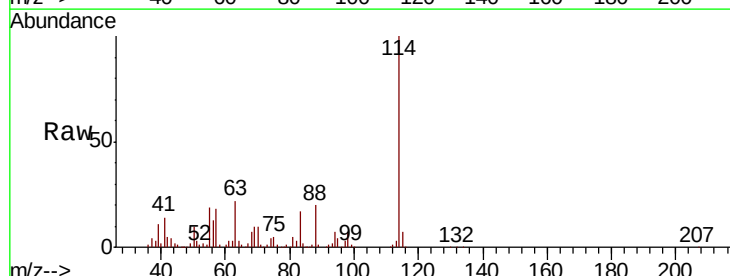
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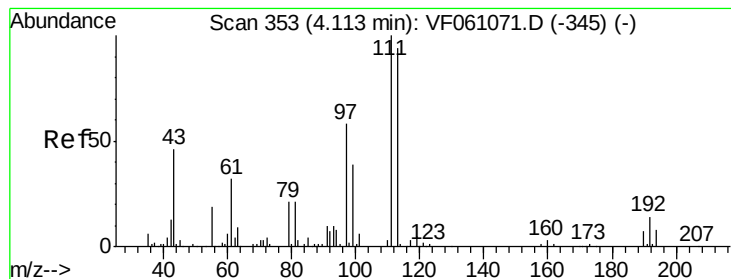
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.61 min Scan# 505
 Delta R.T. 0.02 min
 Lab File: VF061235.D
 Acq: 28 Dec 2018 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	355252		
63	21.8	0.0	41.6	
88	19.8	0.0	38.0	





#35

Dibromofluoromethane

Concen: 40.884 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

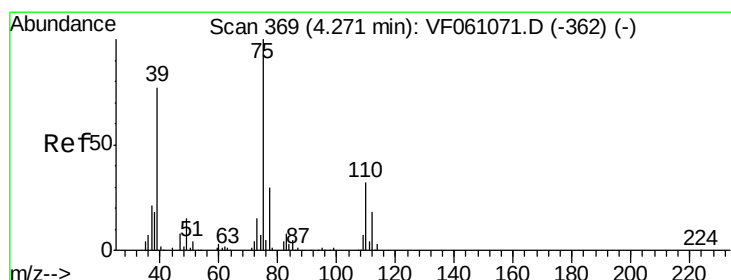
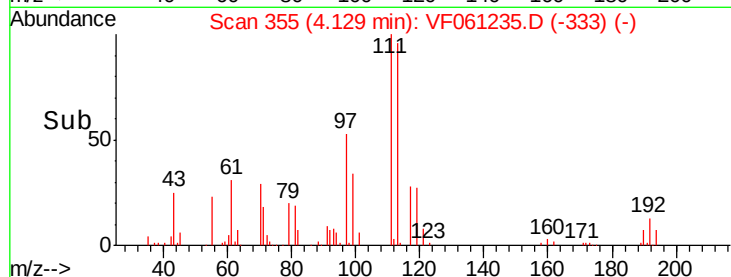
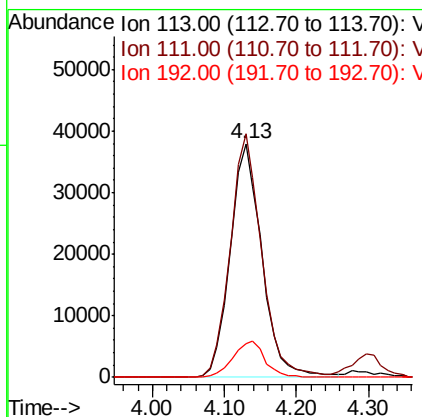
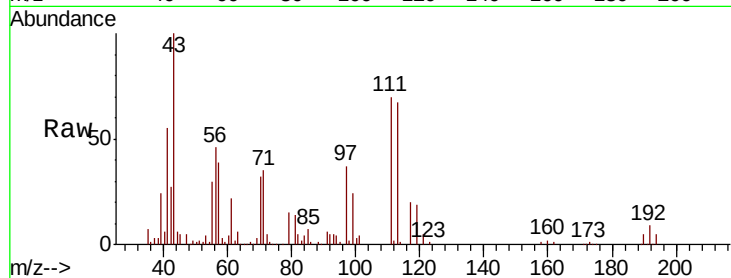
ClientSampleId :

S72-0050MSD

Tot Ion:	113	Resp:	116346
Ion Ratio	Lower	Upper	
113	100		
111	104.3	85.2	127.8
192	14.5	12.8	19.2

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#36

1,1-Dichloropropene

Concen: 42.587 ug/l

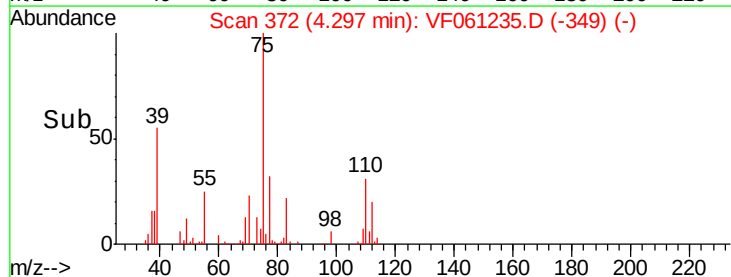
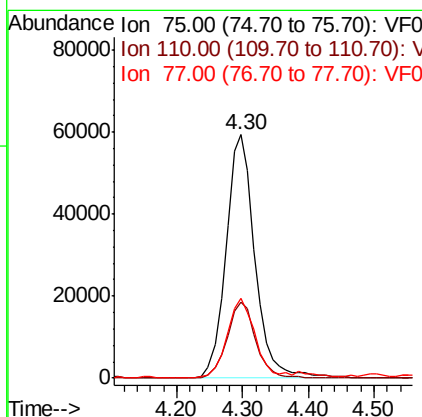
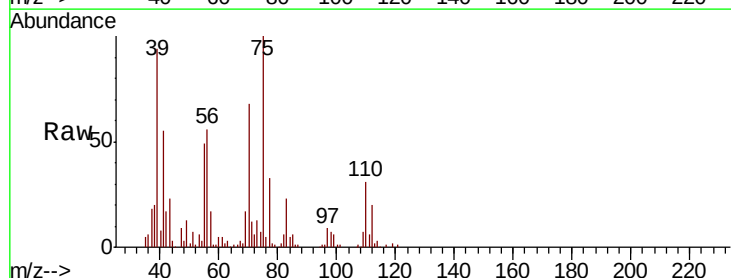
RT: 4.30 min Scan# 372

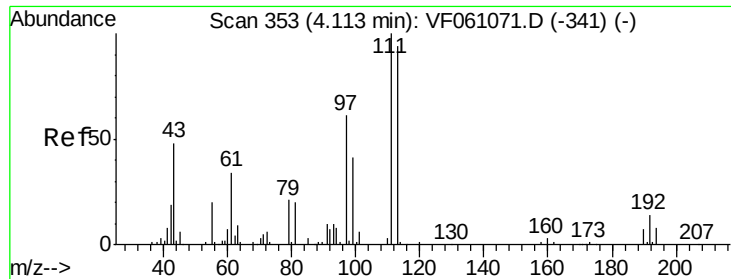
Delta R.T. 0.03 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Tgt Ion:	75	Resp:	182620
Ion Ratio	Lower	Upper	
75	100		
110	31.1	16.1	48.2
77	32.6	24.5	36.7





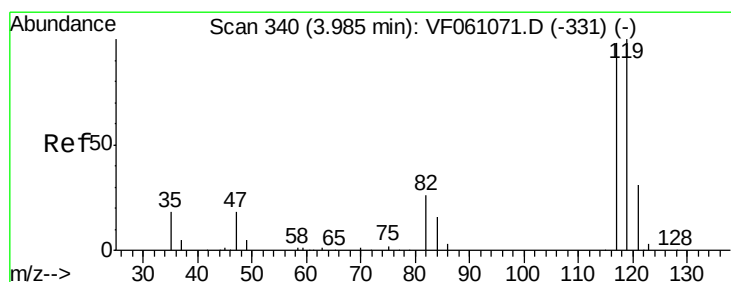
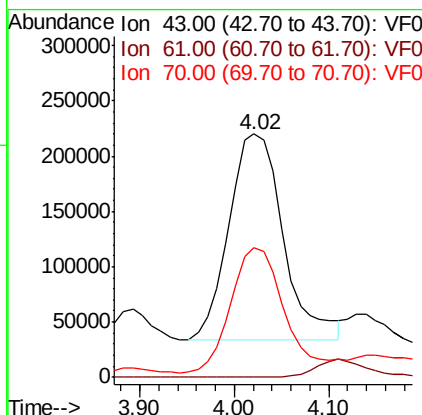
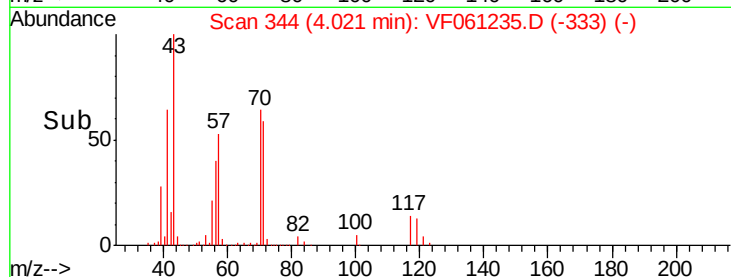
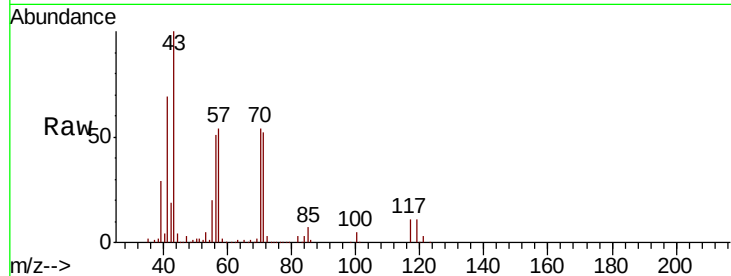
#37
Ethyl Acetate
Concen: Below Cal
RT: 4.02 min Scan# 344
Delta R.T. -0.09 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.3	56.6	84.8#
70	53.5	6.3	9.5#

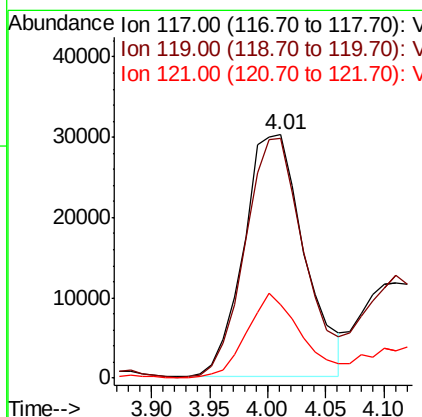
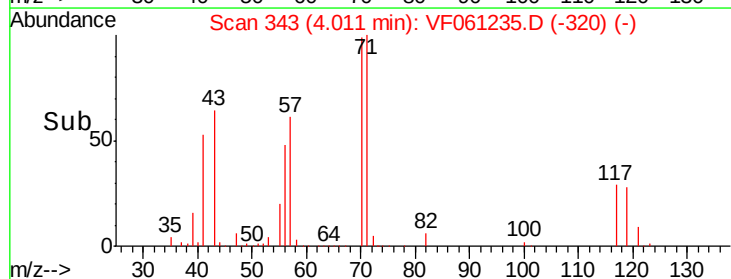
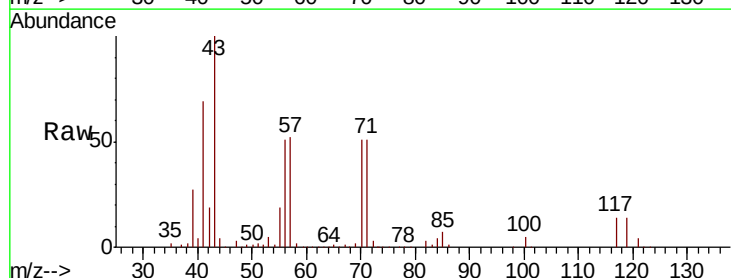
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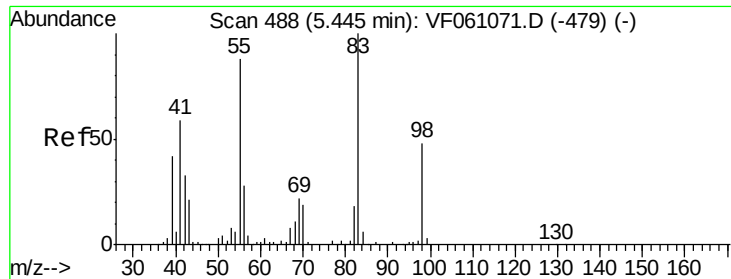
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#38
Carbon Tetrachloride
Concen: 33.418 ug/l
RT: 4.01 min Scan# 343
Delta R.T. 0.03 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	82.1	123.1
121	30.2	25.5	38.3





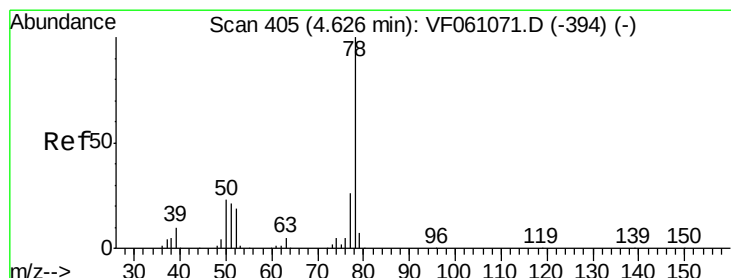
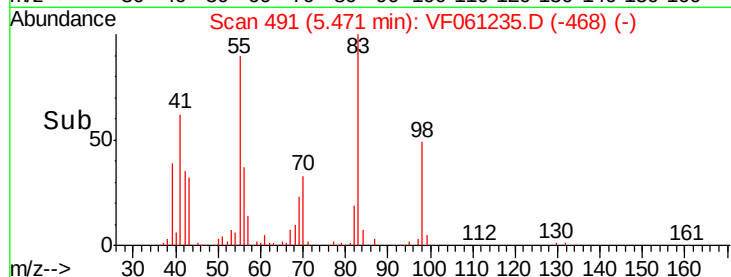
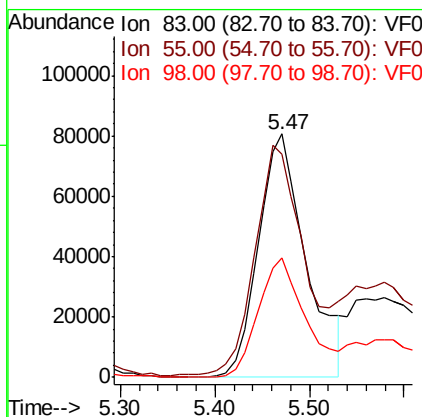
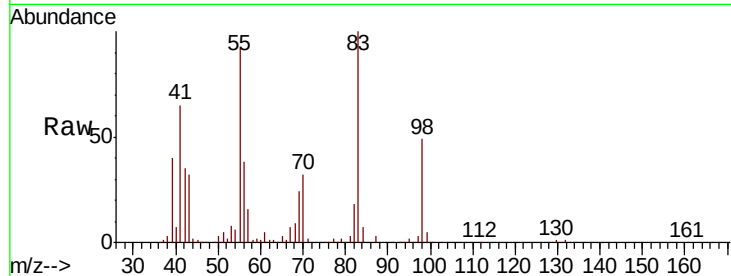
#39
Methylvlcyclohexane
Concen: 72.866 ug/l
RT: 5.47 min Scan# 491
Delta R.T. 0.03 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	91.6	70.6	105.8
98	49.2	38.5	57.7

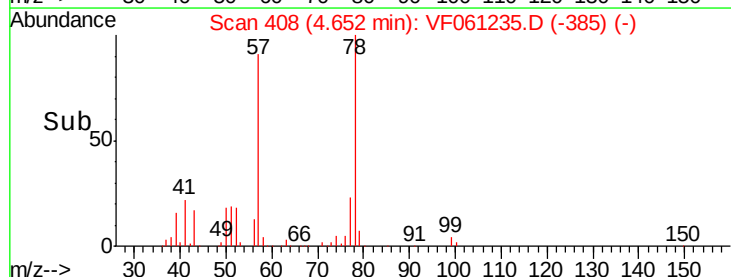
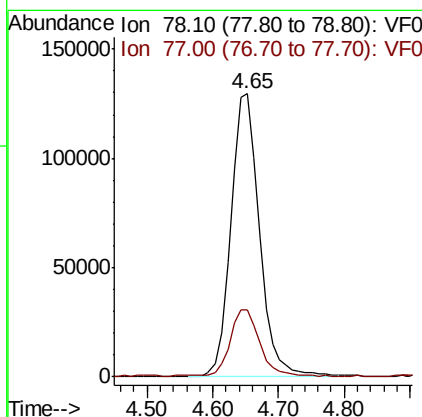
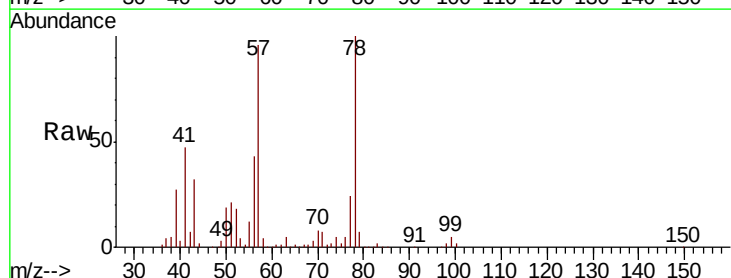
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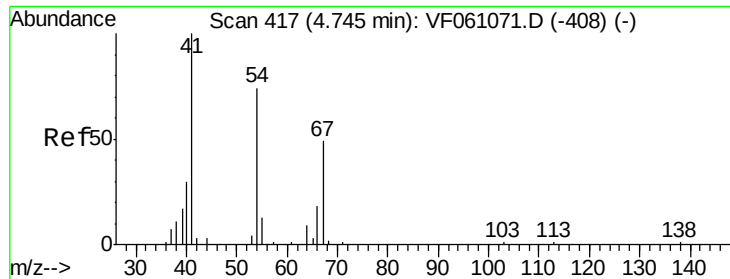
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#40
Benzene
Concen: 42.993 ug/l
RT: 4.65 min Scan# 408
Delta R.T. 0.03 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	20.7	31.1





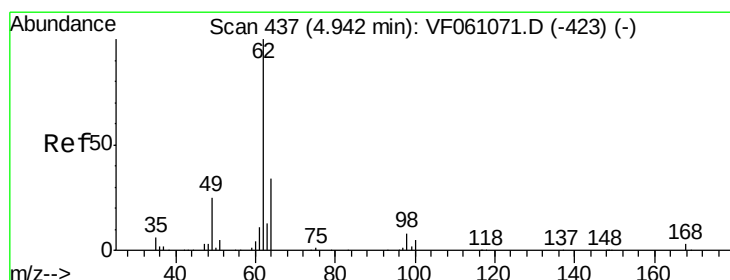
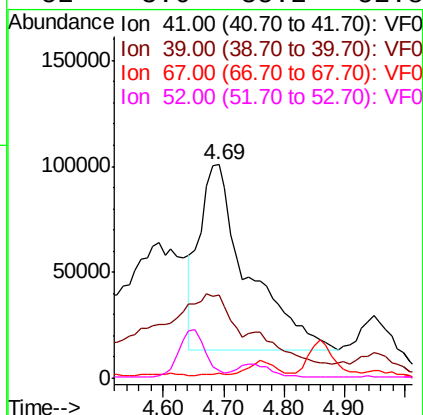
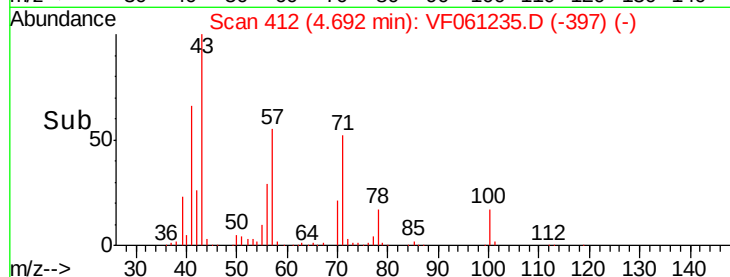
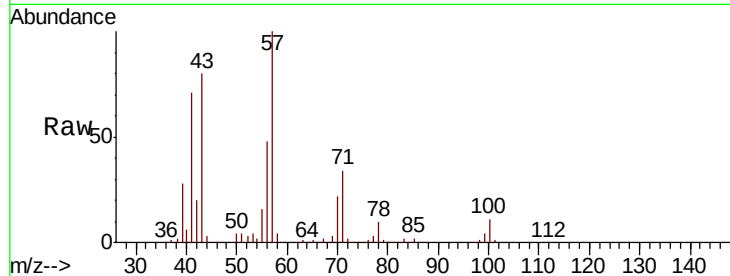
#41
Methacrylonitrile
Concen: 533.106 ug/l
RT: 4.69 min Scan# 412
Delta R.T. -0.05 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
MSVOA_F
ClientSampled :
S72-0050MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	38.9	45.7	68.5#
67	2.4	38.9	58.3#
52	3.6	35.2	52.8#

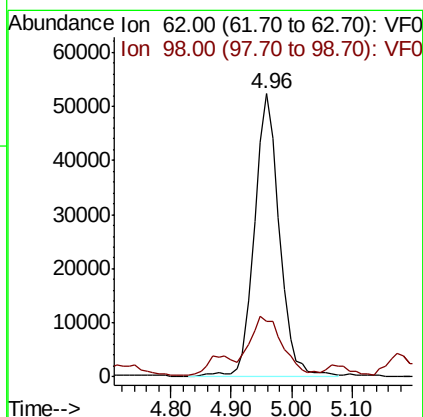
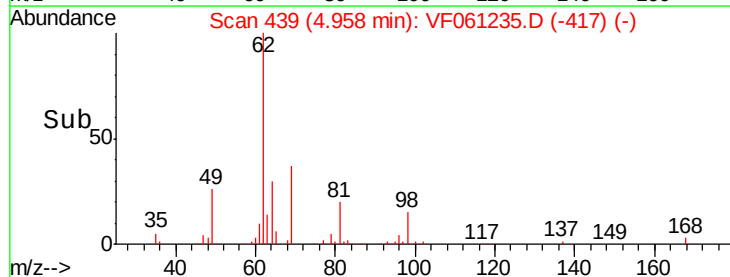
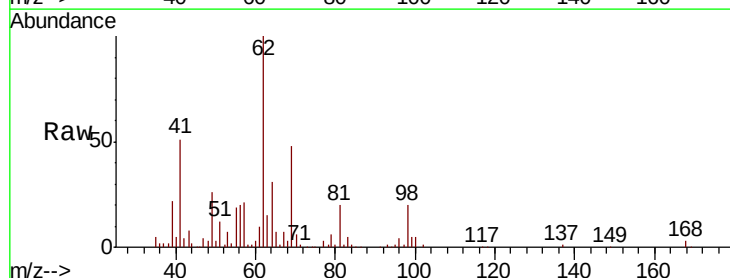
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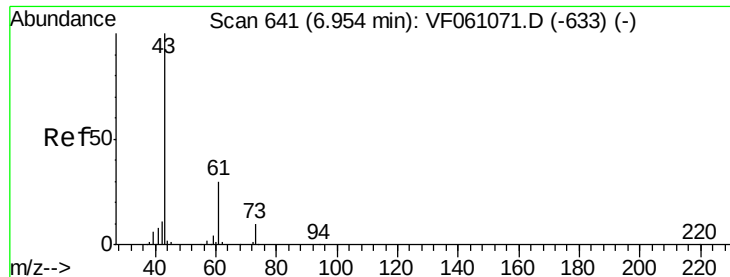
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#42
1,2-Dichloroethane
Concen: 42.936 ug/l
RT: 4.96 min Scan# 439
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
62	100		
98	19.5	0.0	16.6#





#43

Isopropyl Acetate

Concen: 90.625 ug/l

RT: 6.97 min Scan# 643

Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

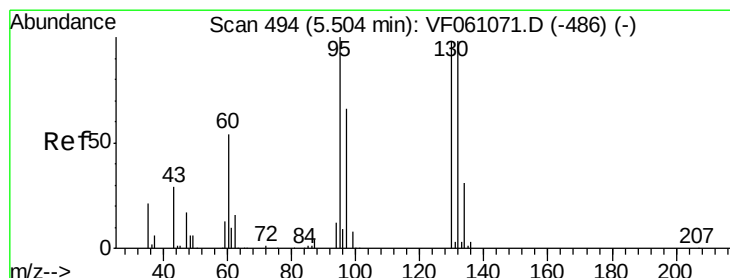
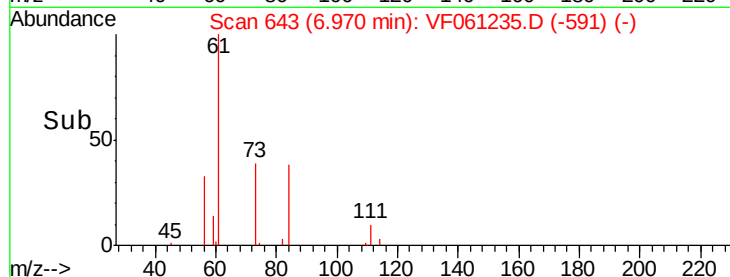
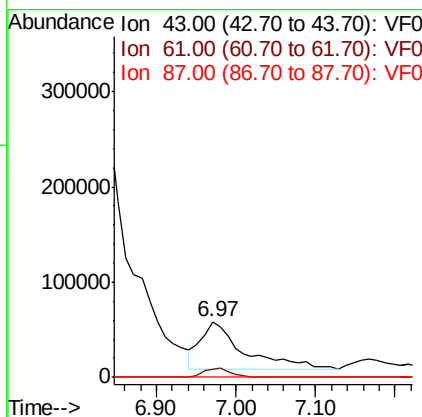
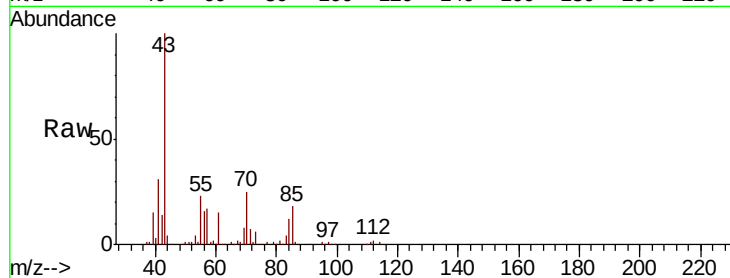
ClientSampleId :

S72-0050MSD

Tot Ion:	43	Resp:	187642
Ion Ratio		Lower	Upper
43	100		
61	15.5	23.8	35.8#
87	0.0	0.0	0.0

Manual Integrations
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#44

Trichloroethene

Concen: 43.241 ug/l

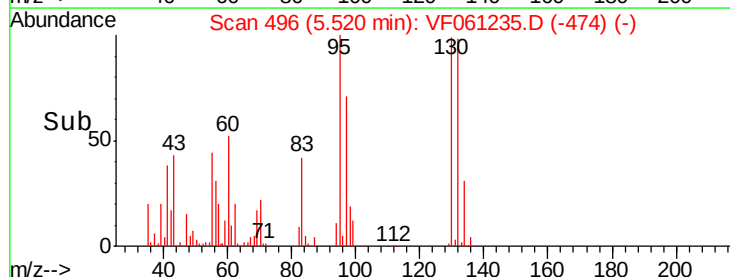
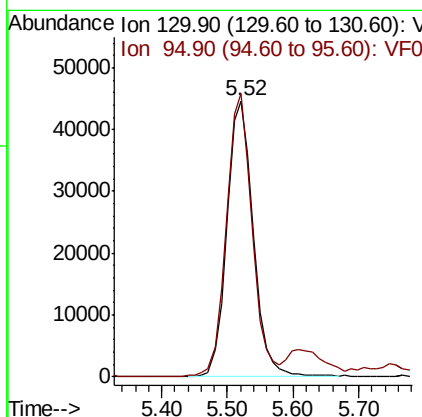
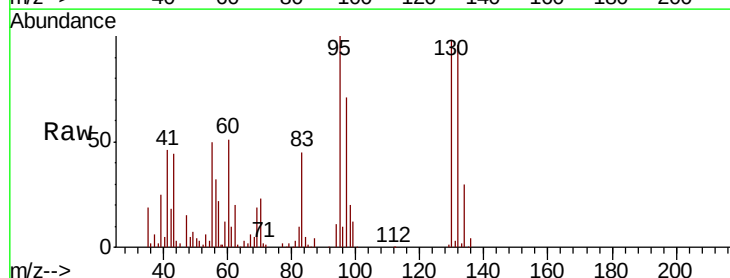
RT: 5.52 min Scan# 496

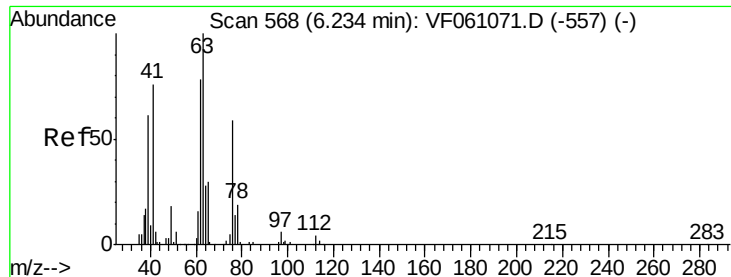
Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Tgt Ion:	130	Resp:	125716
Ion Ratio		Lower	Upper
130	100		
95	102.6	0.0	205.2





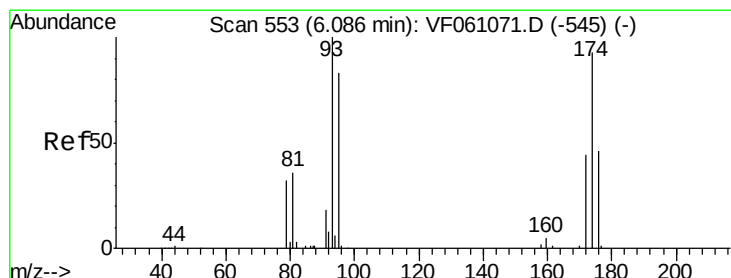
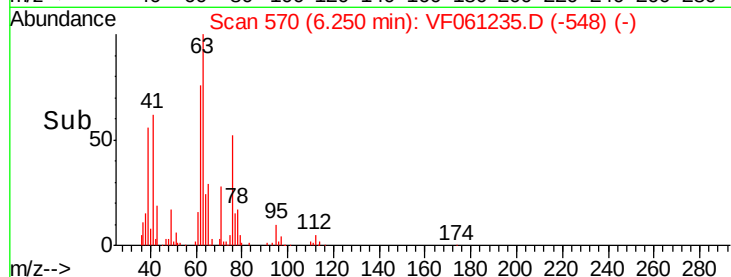
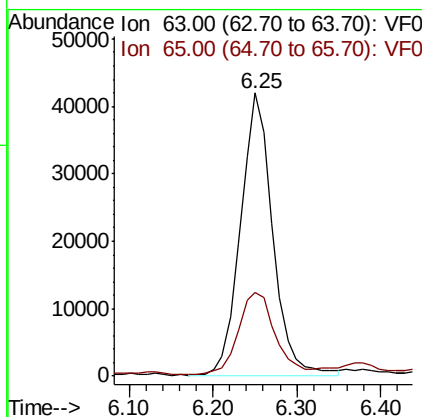
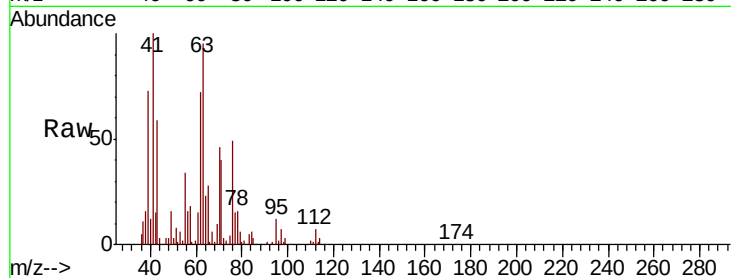
#45
 1,2-Dichloropropane
 Concen: 44.963 ug/l
 RT: 6.25 min Scan# 570
 Delta R.T. 0.02 min
 Lab File: VF061235.D
 Acq: 28 Dec 2018 14:51

Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0050MSD

Tot Ion: 63 Resp: 112808
 Ion Ratio Lower Upper
 63 100
 65 29.7 24.4 36.6

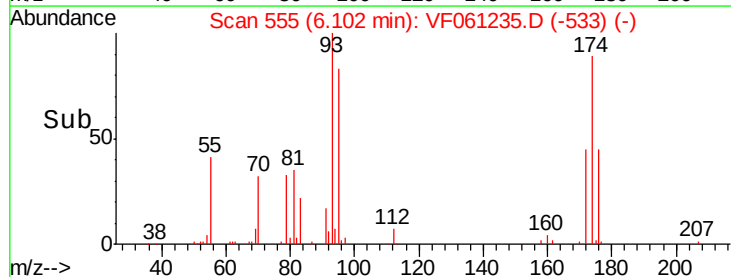
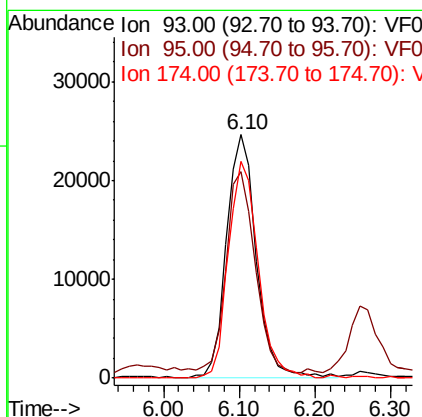
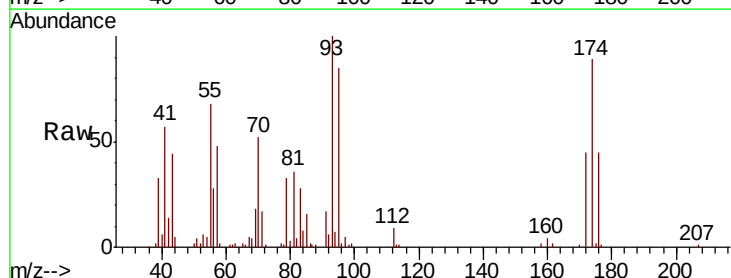
Manual Integrations
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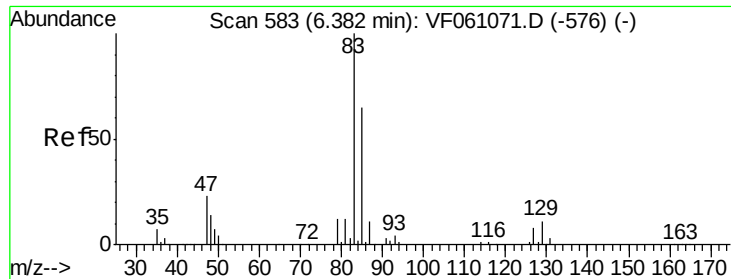
MMDadoda
 1/2/2019 11:52:18 AM



#46
 Dibromomethane
 Concen: 41.249 ug/l
 RT: 6.10 min Scan# 555
 Delta R.T. 0.02 min
 Lab File: VF061235.D
 Acq: 28 Dec 2018 14:51

Tgt Ion: 93 Resp: 67122
 Ion Ratio Lower Upper
 93 100
 95 84.9 66.9 100.3
 174 88.9 74.1 111.1





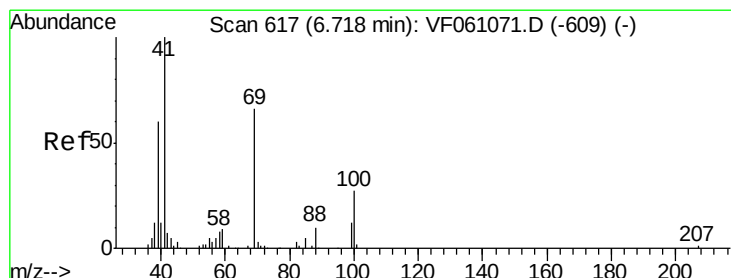
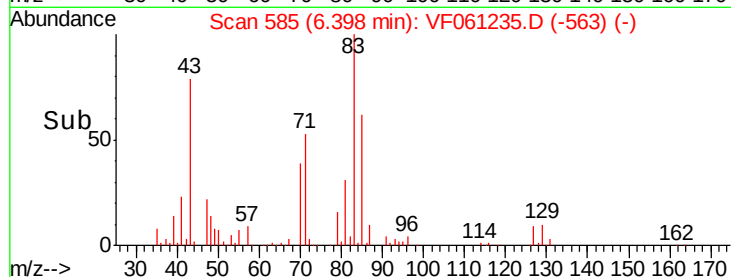
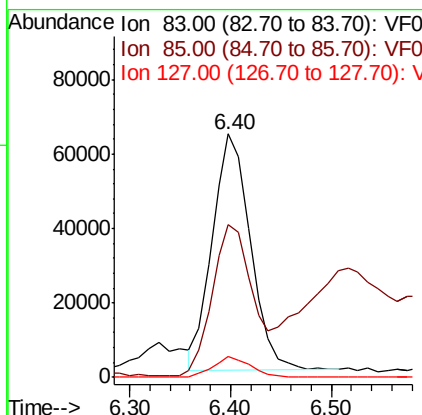
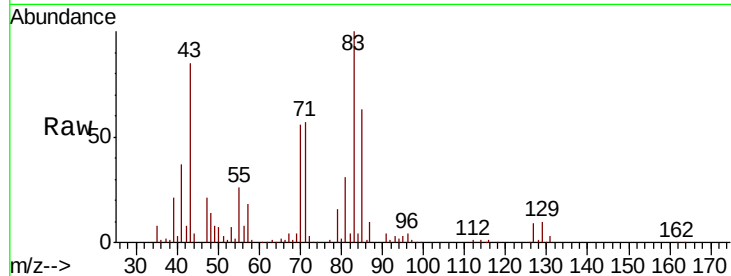
#47
Bromodichloromethane
Concen: 39.531 ug/l
RT: 6.40 min Scan# 585
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.8	52.2	78.4	
127	8.6	6.1	9.1	

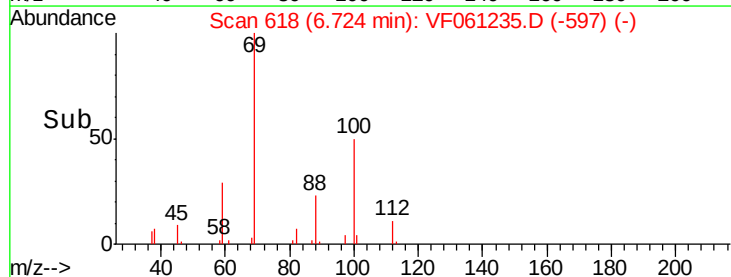
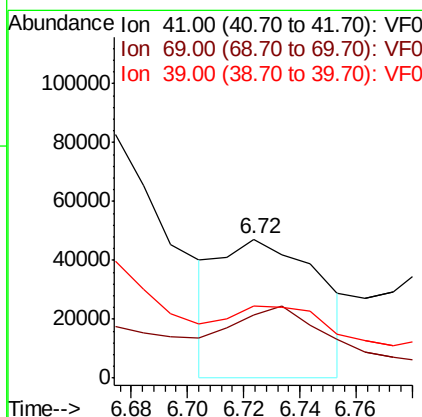
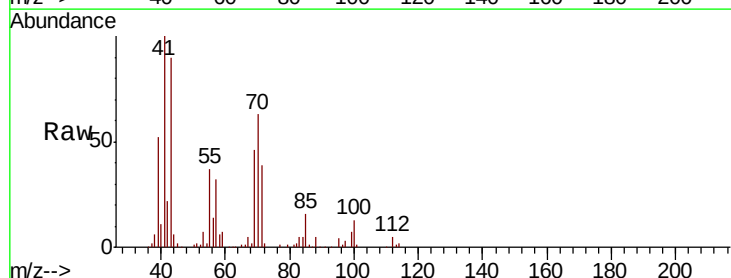
Manual Integrations
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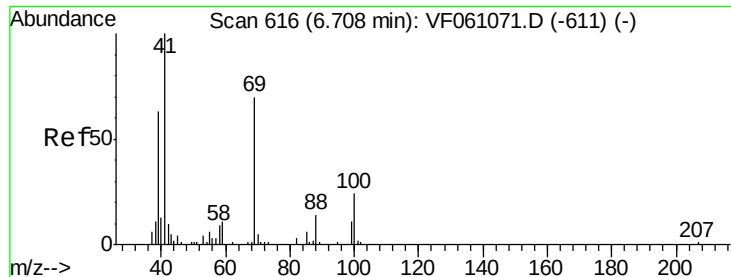
MMDadoda
1/2/2019 11:52:18 AM



#48
Methyl methacrylate
Concen: 81.072 ug/l m
RT: 6.72 min Scan# 618
Delta R.T. 0.01 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	45.7	52.7	79.1#	
39	52.0	47.8	71.6	





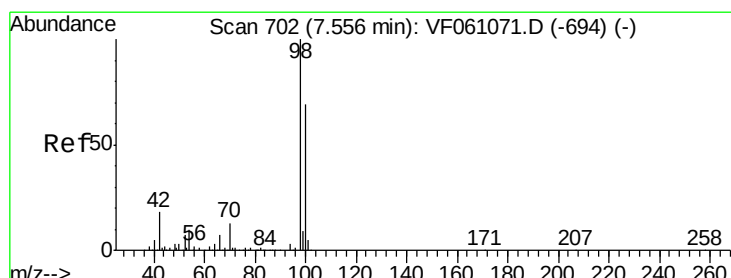
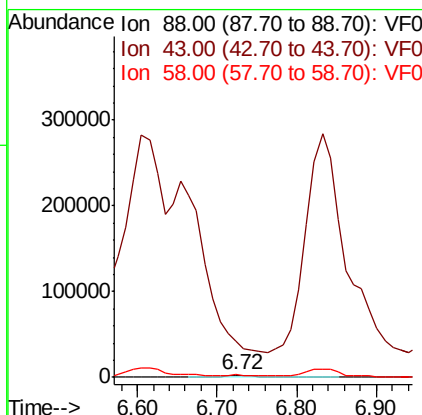
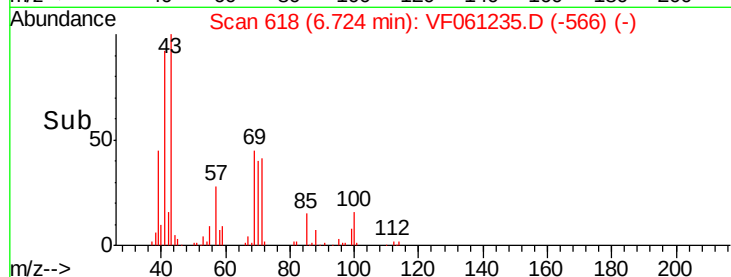
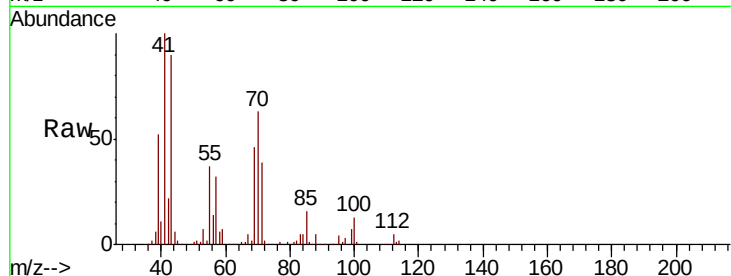
#49
1,4-Dioxane
Concen: 827.124 ug/l
RT: 6.72 min Scan# 618
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	1642.7	33.3	49.9
58	116.6	53.2	79.8

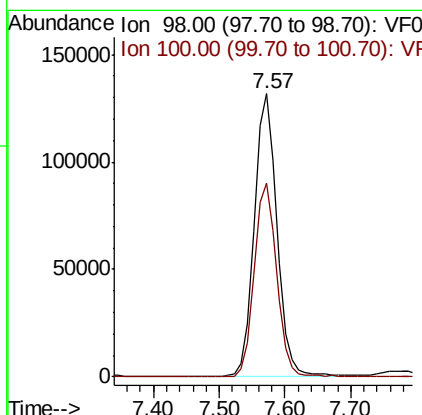
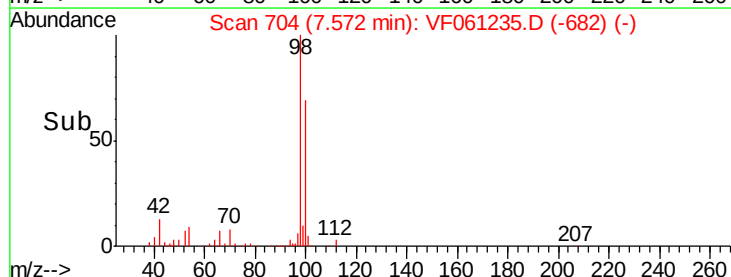
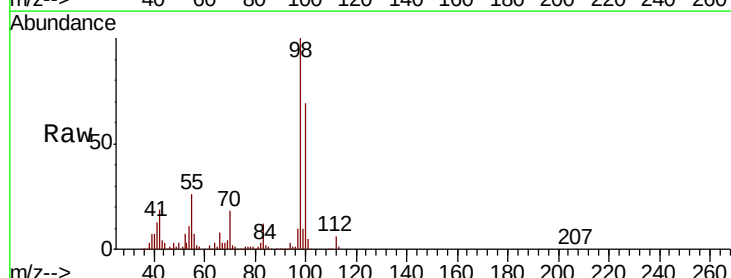
Manual Integrations
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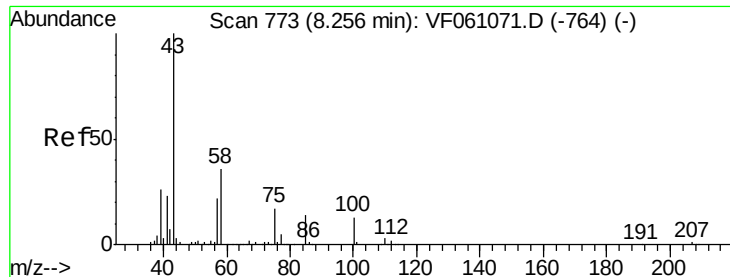
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#50
Toluene-d8
Concen: 39.871 ug/l
RT: 7.57 min Scan# 704
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.5	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 356.089 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.03 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MSD

Tot Ion: 43 Resp: 505651

Ion Ratio Lower Upper

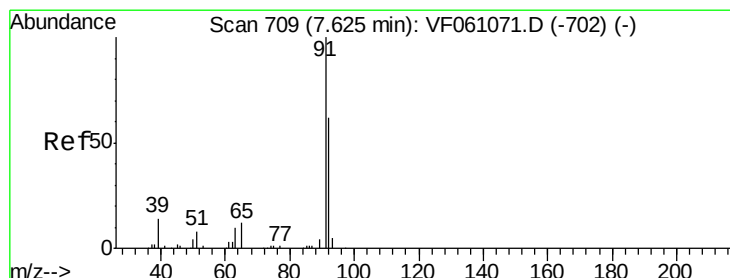
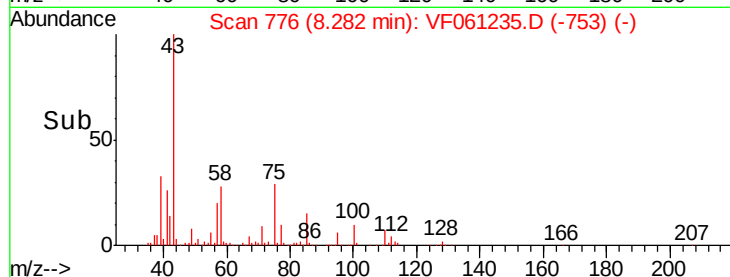
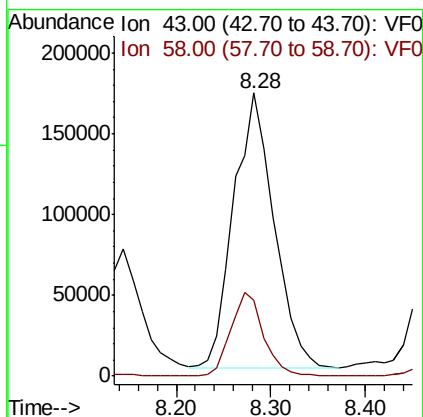
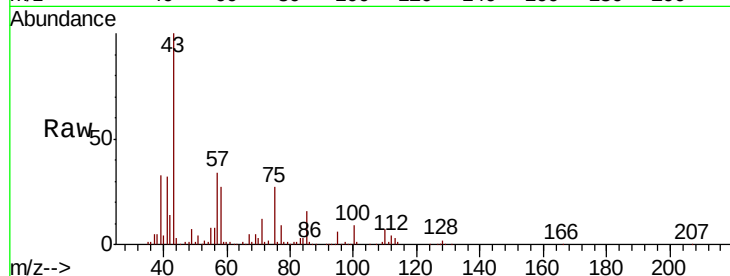
43 100

58 26.7 29.1 43.7#

Manual Integrations
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#52

Toluene

Concen: 44.701 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.02 min

Lab File: VF061235.D

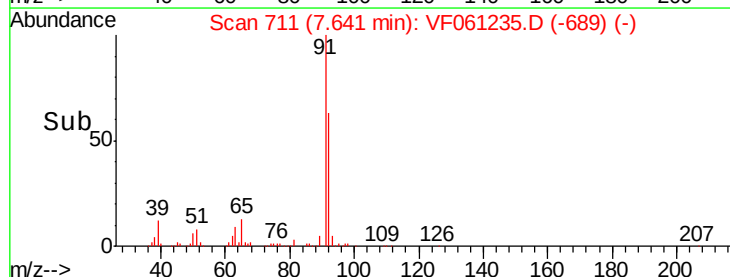
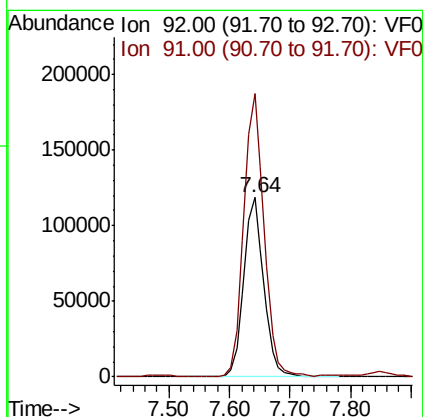
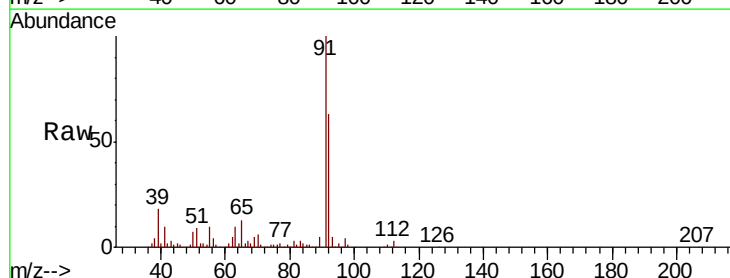
Acq: 28 Dec 2018 14:51

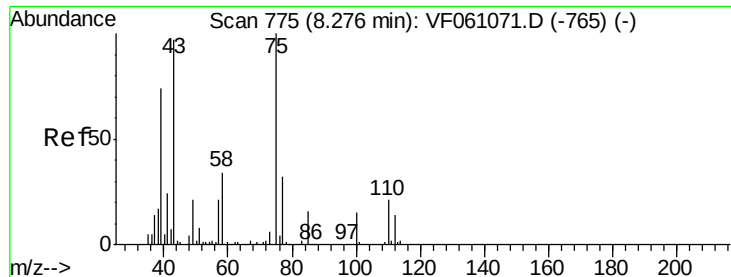
Tgt Ion: 92 Resp: 272864

Ion Ratio Lower Upper

92 100

91 157.8 128.8 193.2





#53

t-1,3-Dichloropropene

Concen: 40.612 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MSD

Tot Ion: 75 Resp: 138518

Ion Ratio Lower Upper

75 100

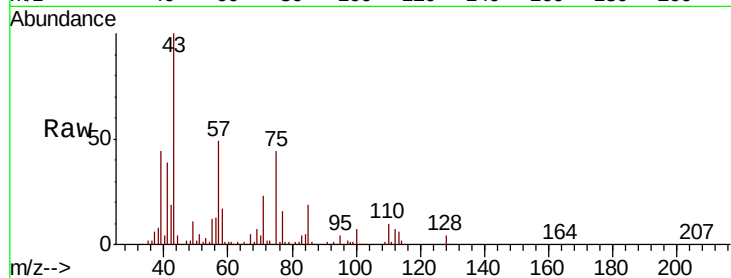
77 35.2 25.8 38.8

Manual Integrations

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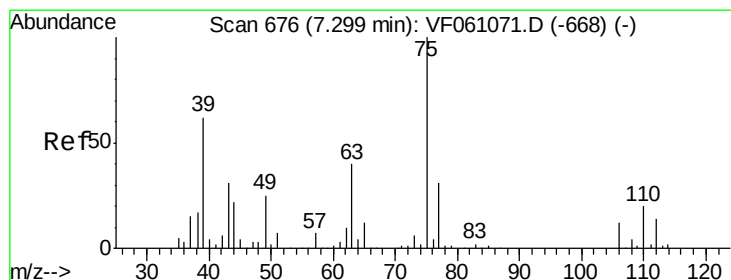
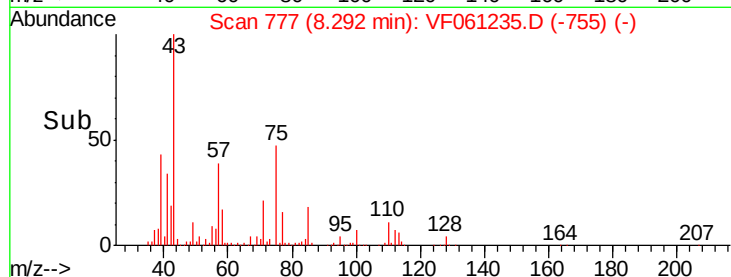
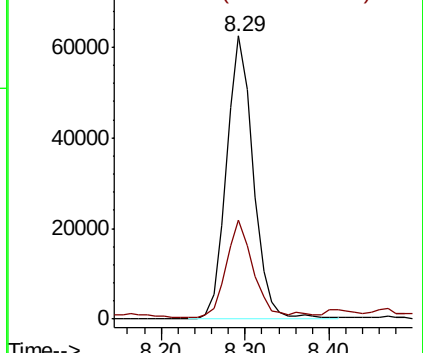
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 39.855 ug/l

RT: 7.32 min Scan# 678

Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

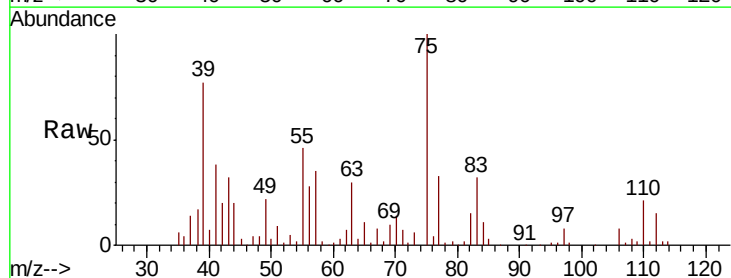
Tgt Ion: 75 Resp: 170608

Ion Ratio Lower Upper

75 100

77 32.9 25.0 37.4

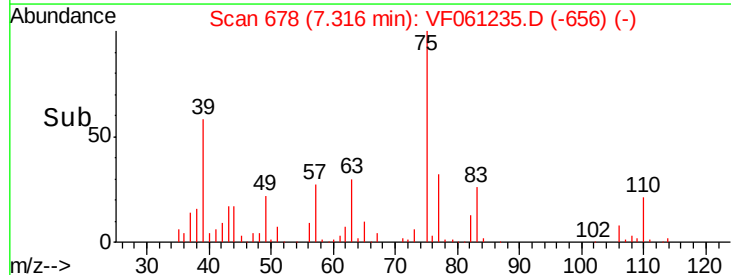
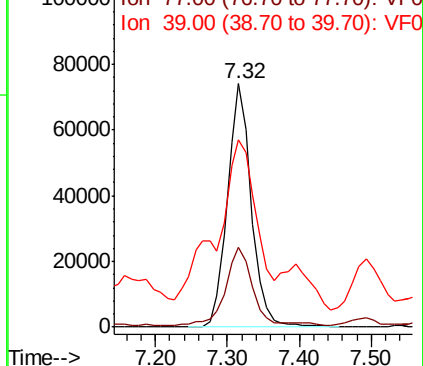
39 77.0 50.1 75.1#

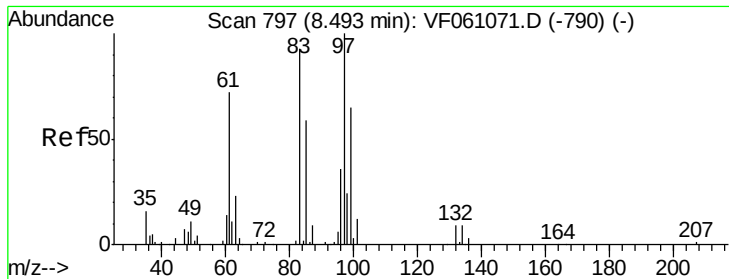


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

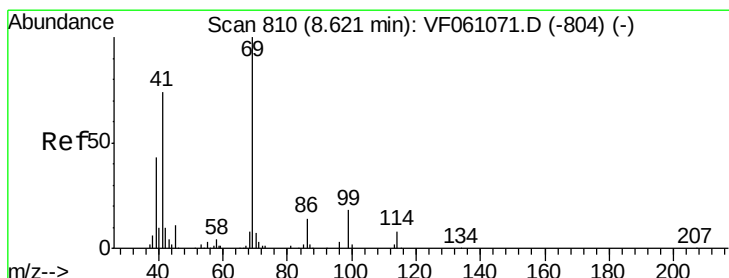
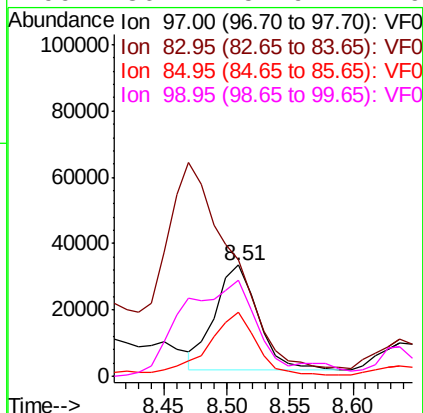
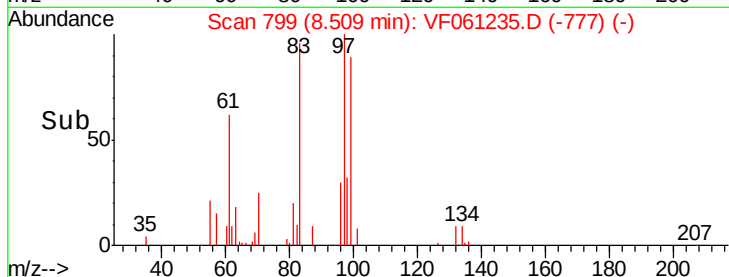
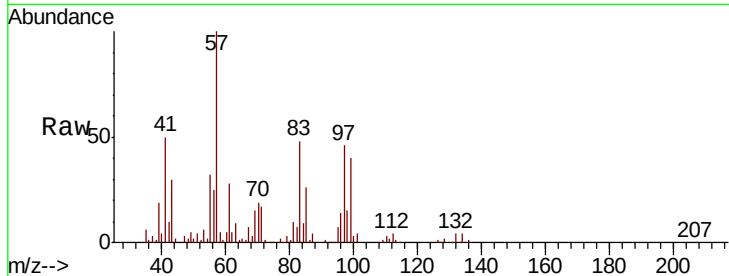
1,1,2-Trichloroethane
Concen: 40.648 ug/l
RT: 8.51 min Scan# 799
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MSD

Tot Ion	Ratio	Lower	Upper
97	100		
83	105.1	75.0	112.4
85	57.3	47.5	71.3
99	86.4	51.9	77.9

Manual Integrations
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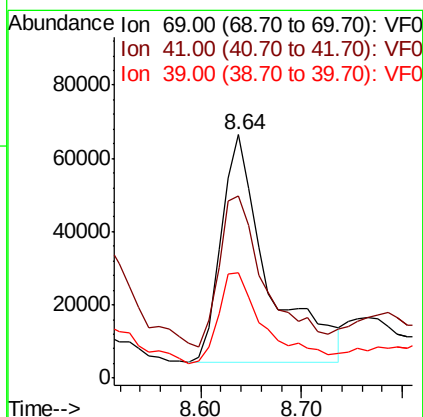
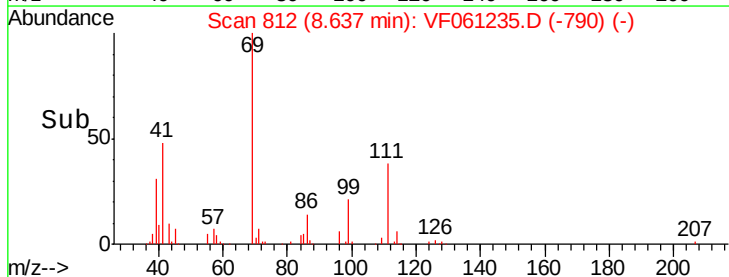
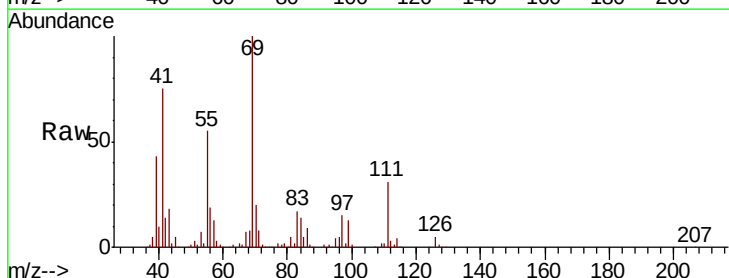
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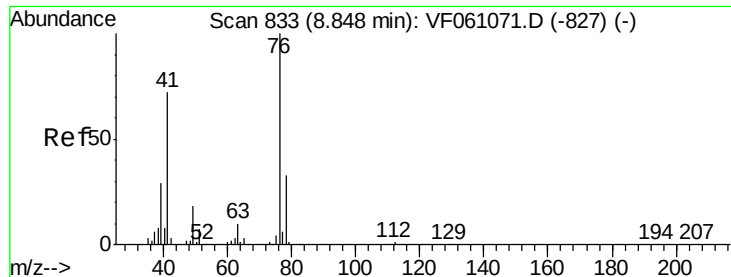


#56

Ethyl methacrylate
Concen: 101.247 ug/l
RT: 8.64 min Scan# 812
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.7	59.7	89.5
39	43.1	35.0	52.6





#57

1,3-Dichloropropane

Concen: 39.828 ug/l

RT: 8.86 min Scan# 835

Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MSD

Tot Ion: 76 Resp: 131821

Ion Ratio Lower Upper

76 100

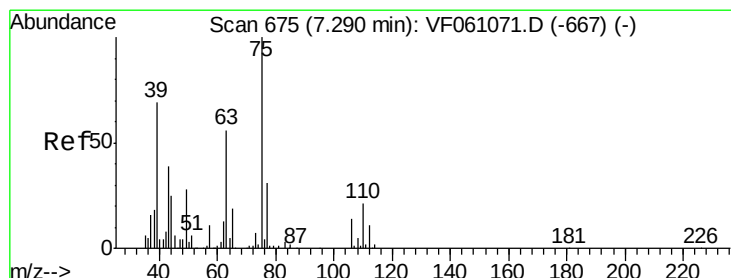
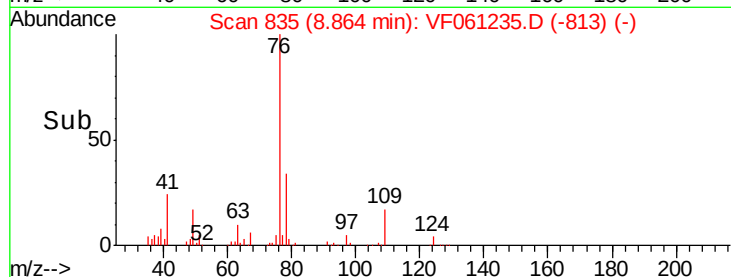
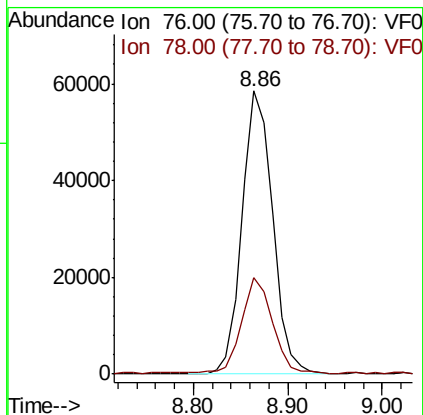
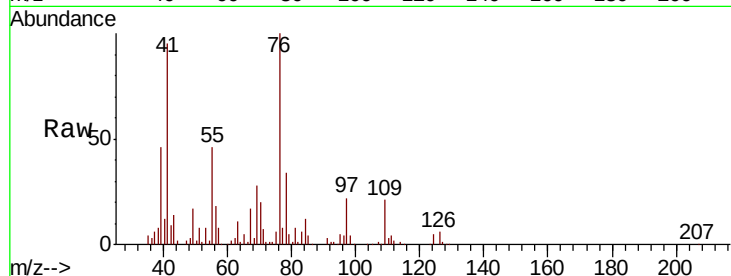
78 34.3 26.5 39.7

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 148.560 ug/l

RT: 7.32 min Scan# 678

Delta R.T. 0.03 min

Lab File: VF061235.D

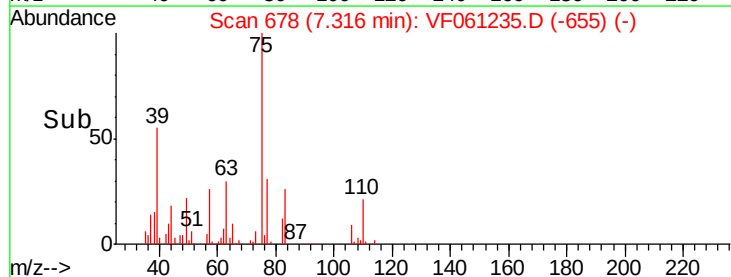
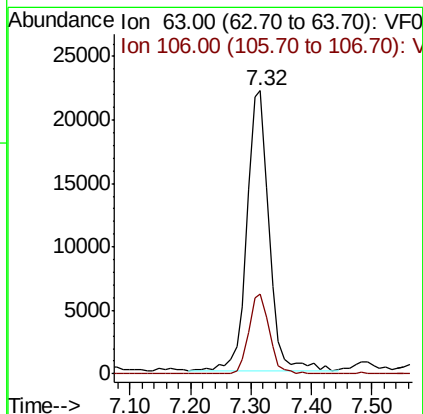
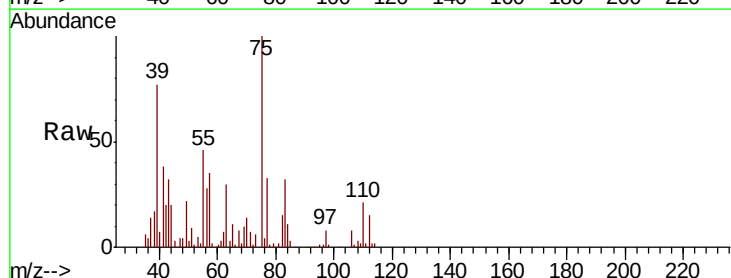
Acq: 28 Dec 2018 14:51

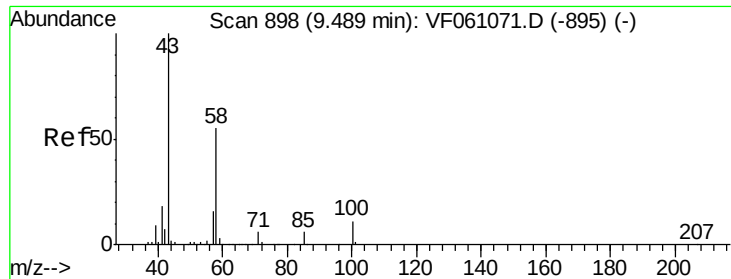
Tgt Ion: 63 Resp: 56498

Ion Ratio Lower Upper

63 100

106 28.3 19.8 29.8





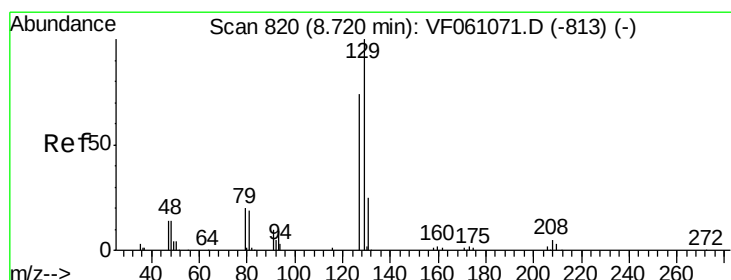
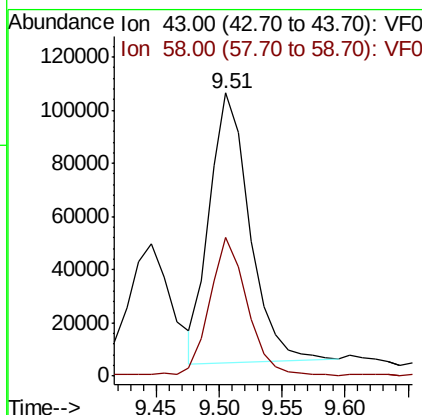
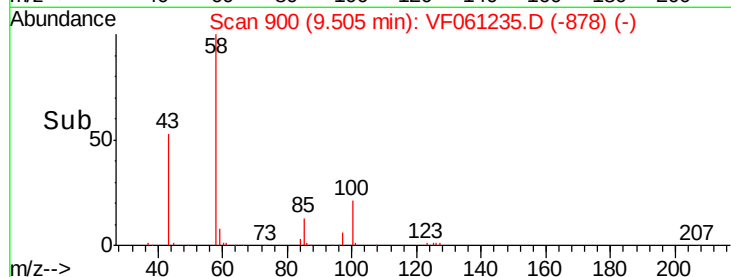
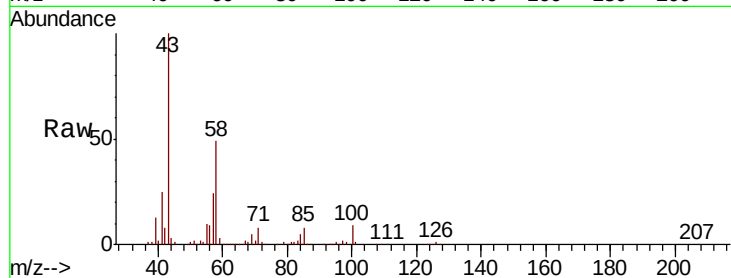
#59
2-Hexanone
Concen: 218.188 ug/l
RT: 9.51 min Scan# 900
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MSD

Tot Ion: 43 Resp: 224062
Ion Ratio Lower Upper
43 100
58 49.1 25.1 75.2

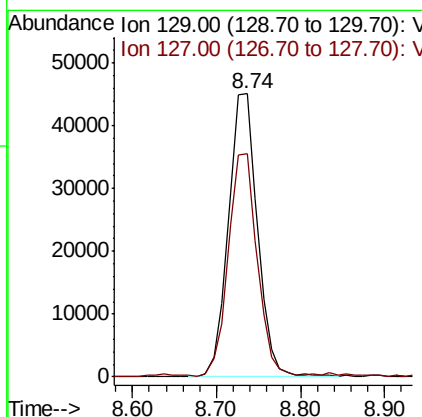
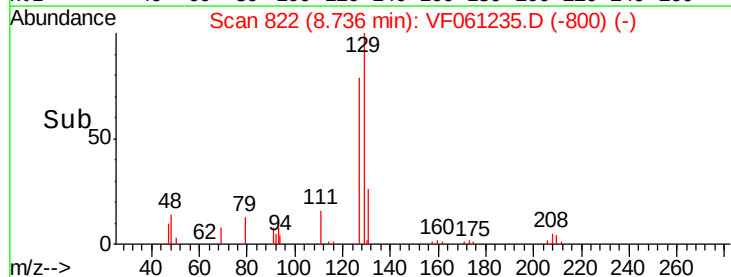
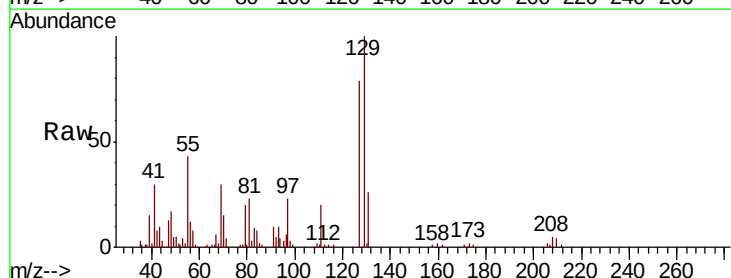
Manual Integrations
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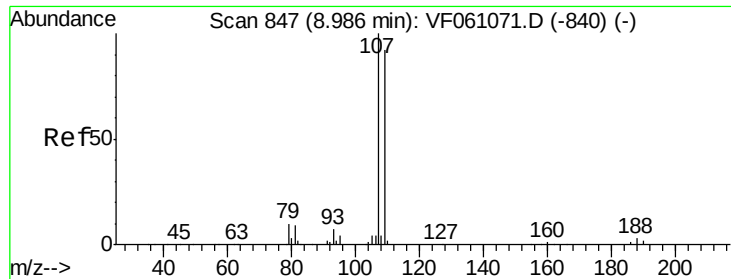
MMDadoda
1/2/2019 11:52:18 AM



#60
Dibromochloromethane
Concen: 41.391 ug/l
RT: 8.74 min Scan# 822
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion: 129 Resp: 108577
Ion Ratio Lower Upper
129 100
127 78.7 36.8 110.3





#61

1,2-Dibromoethane

Concen: 38.411 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MSD

Tot Ion: 107 Resp: 75070

Ion Ratio Lower Upper

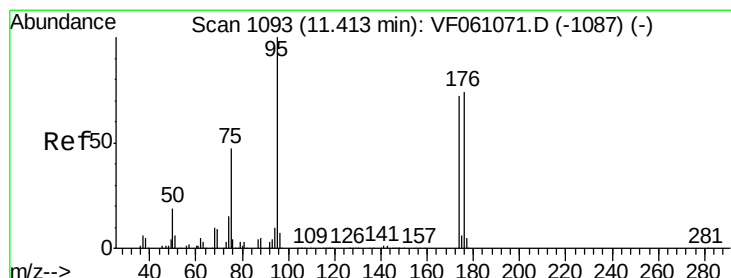
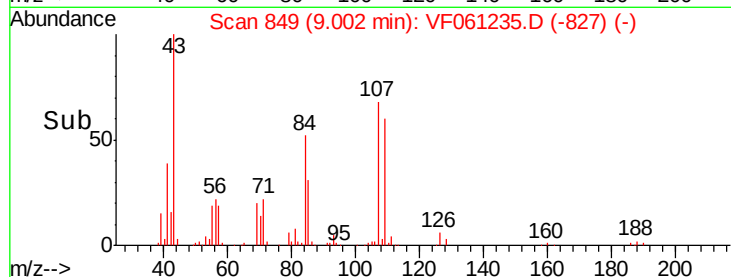
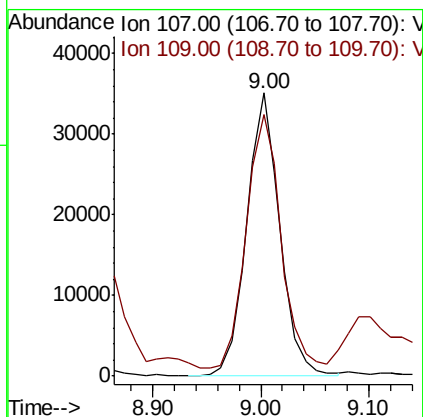
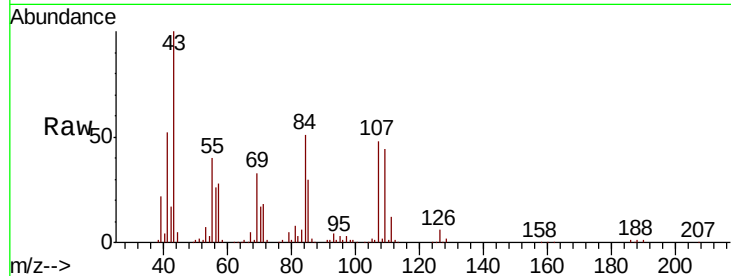
107 100

109 92.5 73.7 110.5

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#62

4-Bromofluorobenzene

Concen: 38.362 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

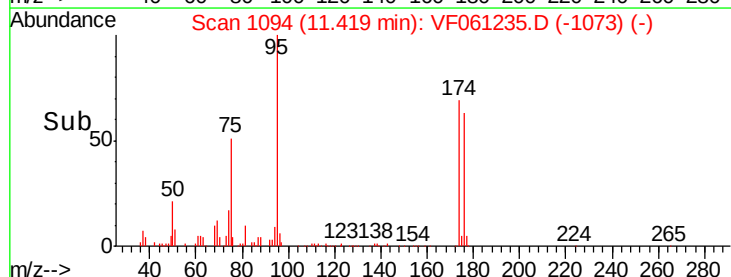
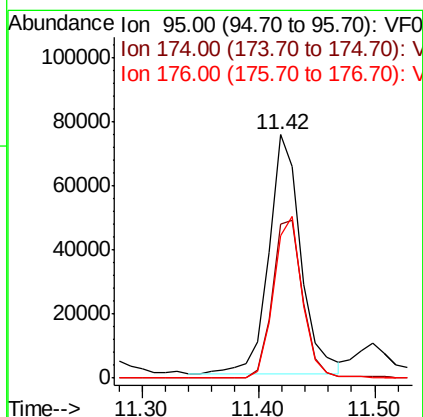
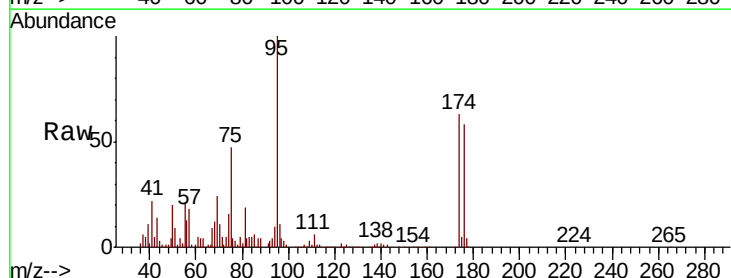
Tgt Ion: 95 Resp: 142626

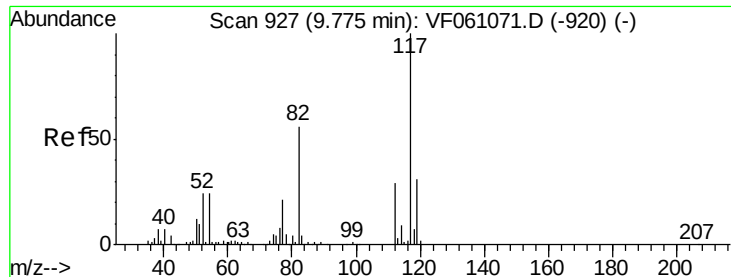
Ion Ratio Lower Upper

95 100

174 63.1 0.0 143.8

176 58.3 0.0 147.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.79 min Scan# 929

Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

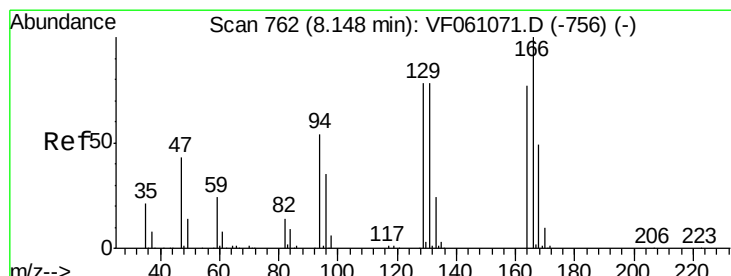
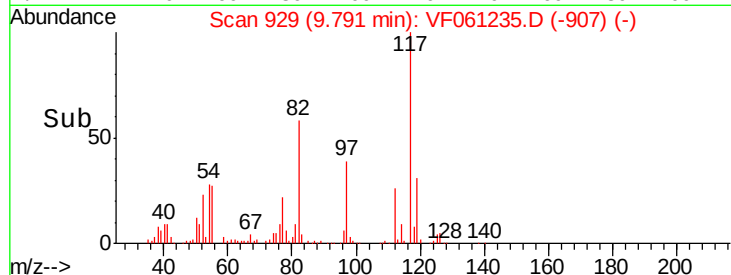
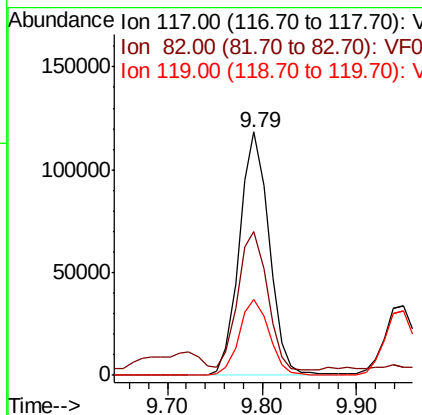
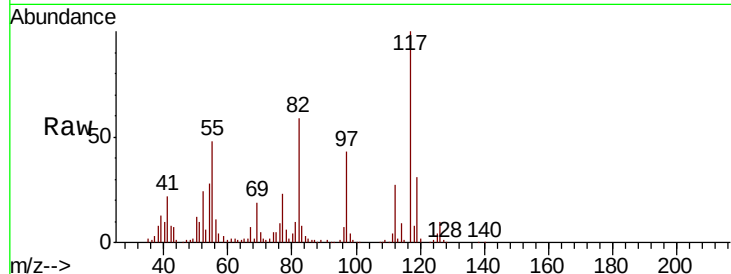
ClientSampleId :

S72-0050MSD

Tot Ion:	117	Resp:	259306
Ion Ratio	Lower	Upper	
117	100		
82	59.2	45.0	67.4
119	31.1	24.8	37.2

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#64

Tetrachloroethene

Concen: 48.635 ug/l

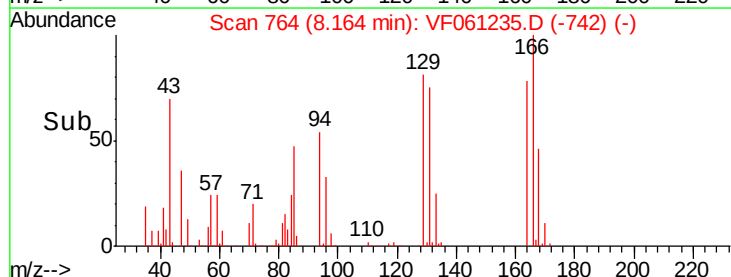
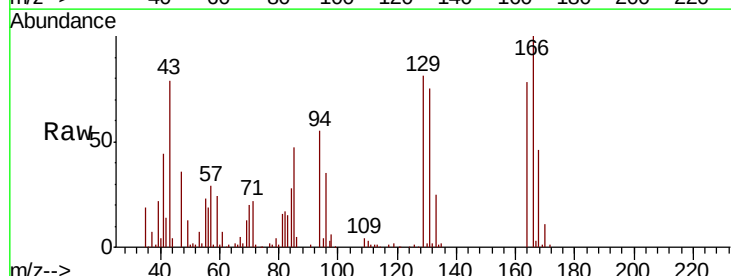
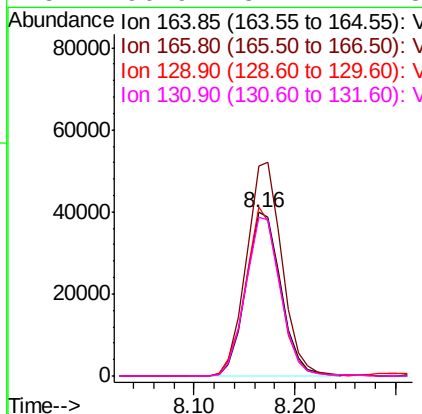
RT: 8.16 min Scan# 764

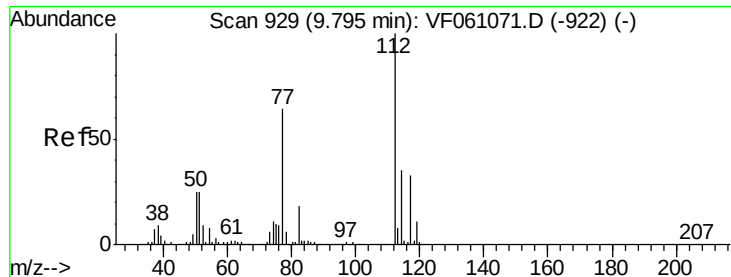
Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Tgt Ion:	164	Resp:	97013
Ion Ratio	Lower	Upper	
164	100		
166	128.7	104.0	156.0
129	103.7	81.1	121.7
131	96.9	81.2	121.8





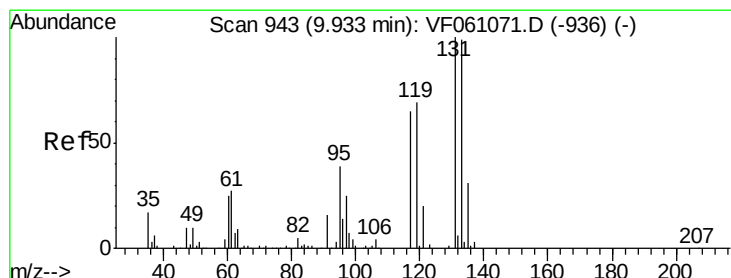
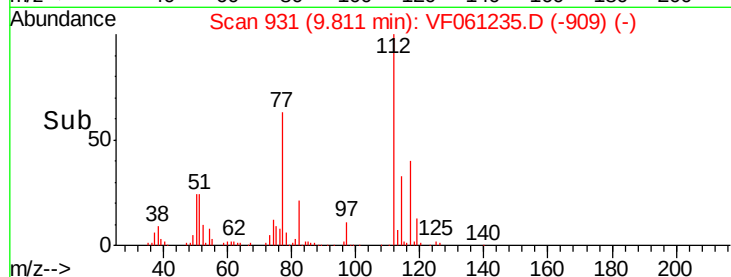
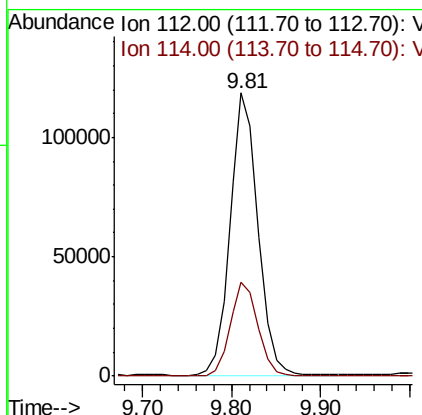
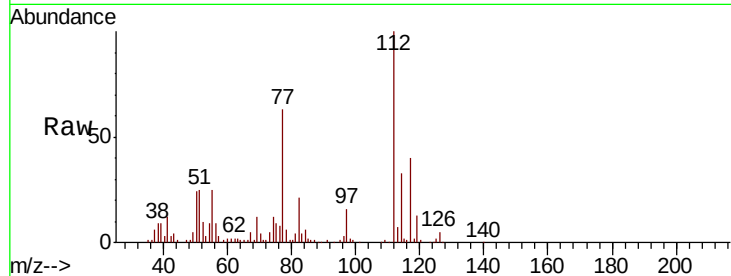
#65
Chlorobenzene
Concen: 48.127 ug/l
RT: 9.81 min Scan# 931
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MSD

Tot Ion	Ratio	Resp	Lower	Upper
112	100	257810		
114	33.2	27.8	41.6	

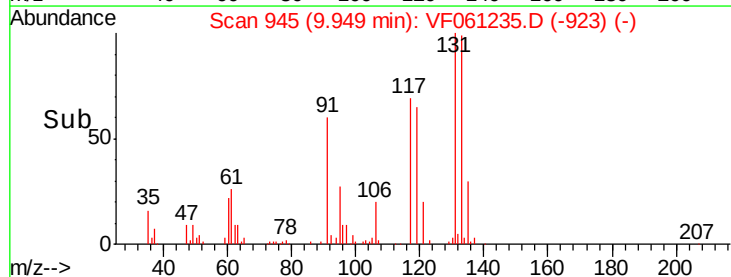
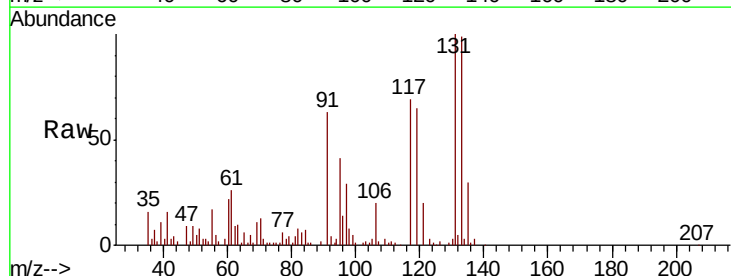
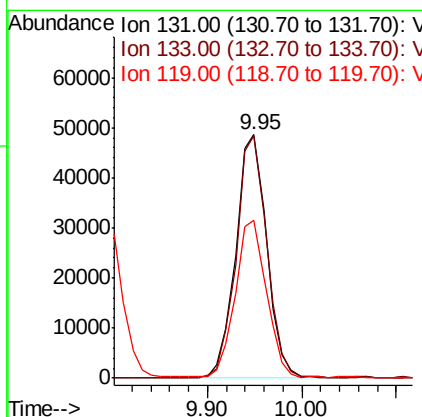
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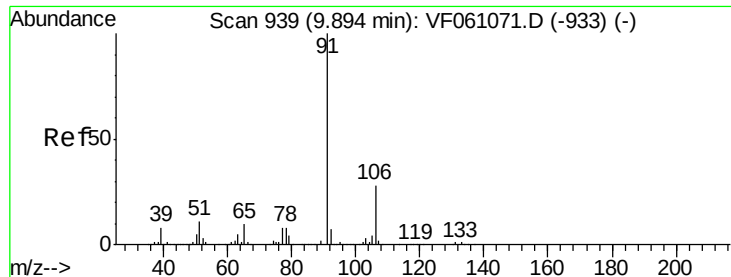
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.338 ug/l
RT: 9.95 min Scan# 945
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	110196		
133	99.3	49.5	148.7	
119	65.0	34.5	103.5	





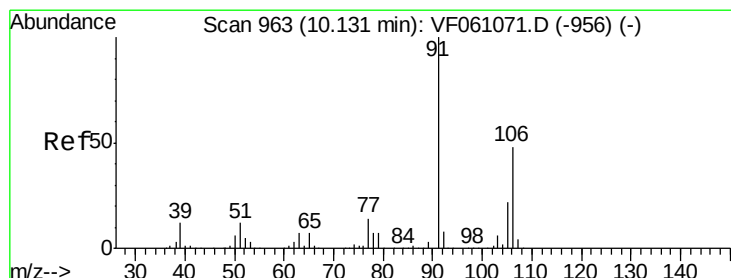
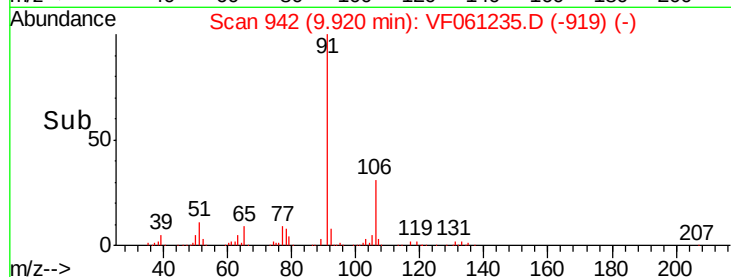
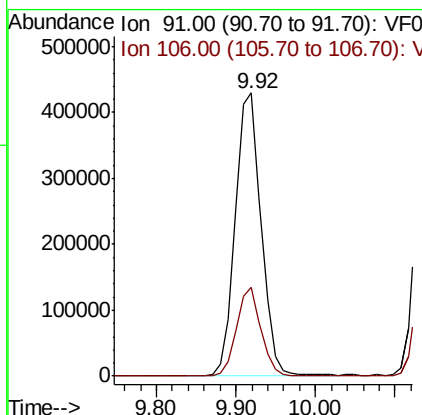
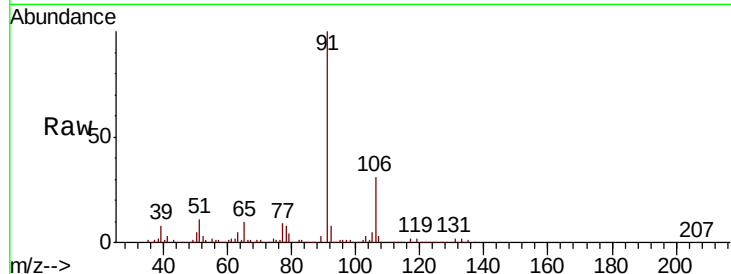
#67
Ethyl Benzene
Concen: 99.638 ug/l
RT: 9.92 min Scan# 942
Delta R.T. 0.03 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MSD

Tot Ion: 91 Resp: 972400
Ion Ratio Lower Upper
91 100
106 31.2 22.5 33.7

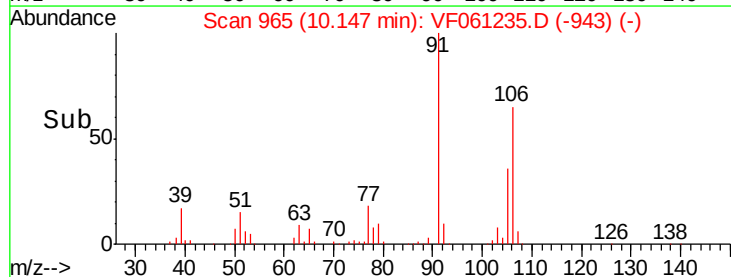
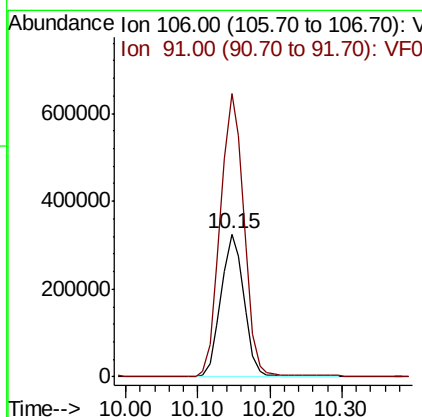
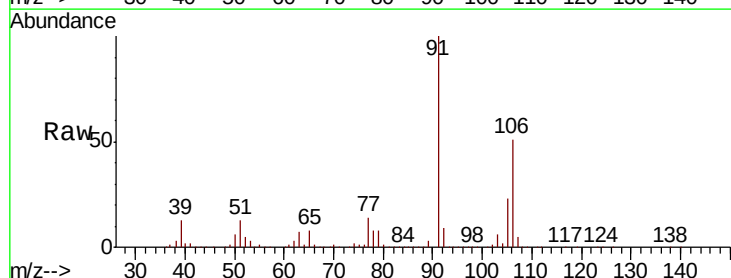
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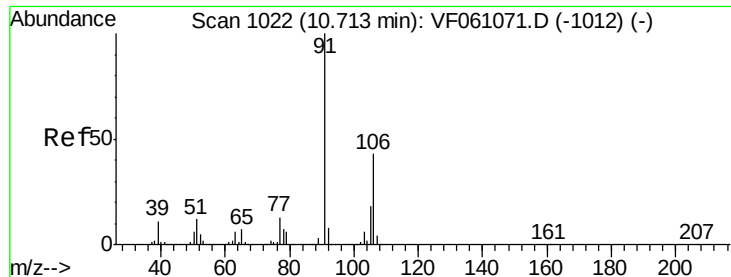
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#68
m/p-Xylenes
Concen: 209.295 ug/l
RT: 10.15 min Scan# 965
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion: 106 Resp: 718829
Ion Ratio Lower Upper
106 100
91 197.9 168.2 252.2





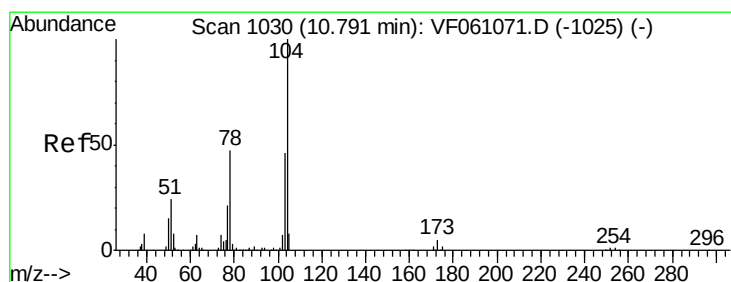
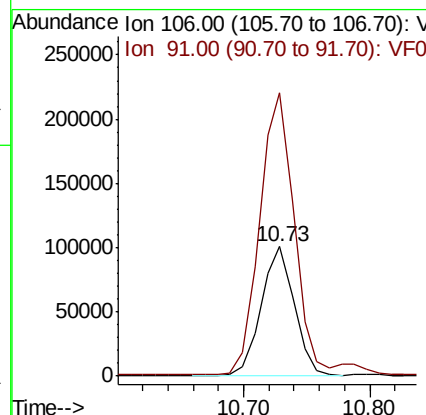
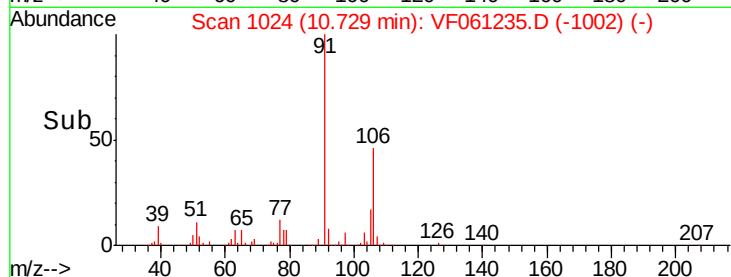
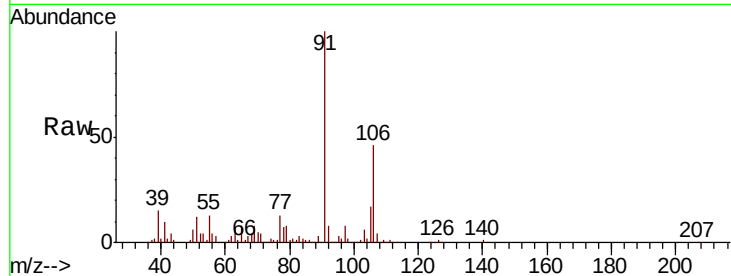
#69
o-Xylene
Concen: 48.430 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MSD

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.1	115.9	347.7

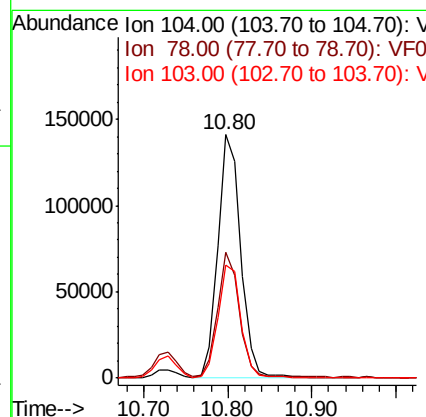
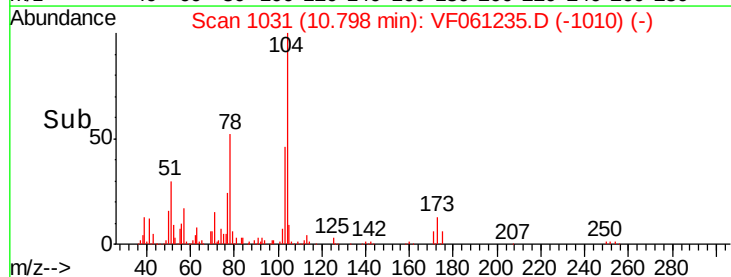
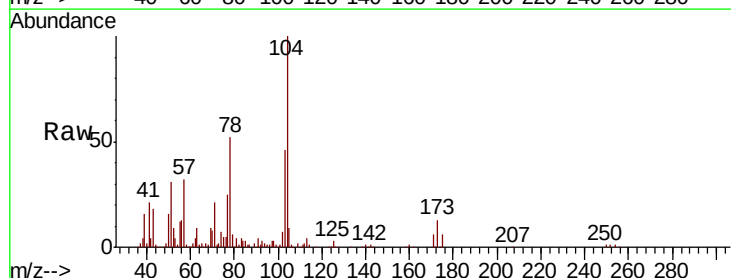
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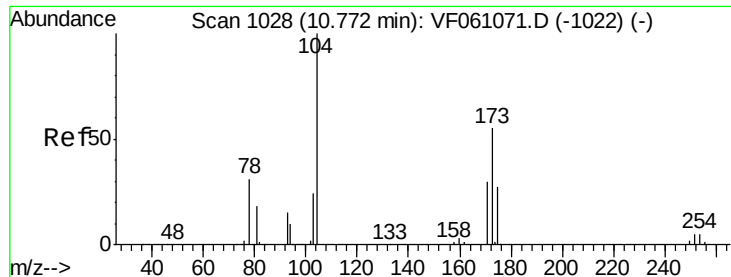
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#70
Styrene
Concen: 57.852 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.8	38.4	57.6
103	46.3	37.0	55.6





#71

Bromoform

Concen: 53.513 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MSD

Tot Ion:173 Resp: 54198

Ion Ratio Lower Upper

173 100

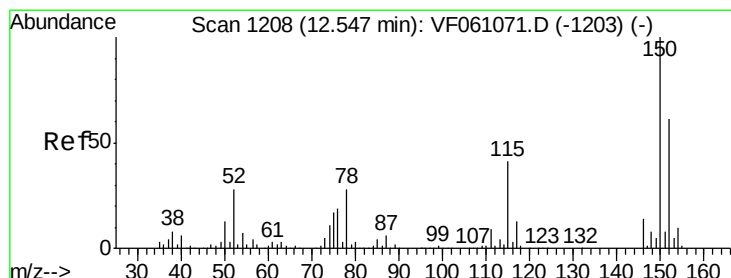
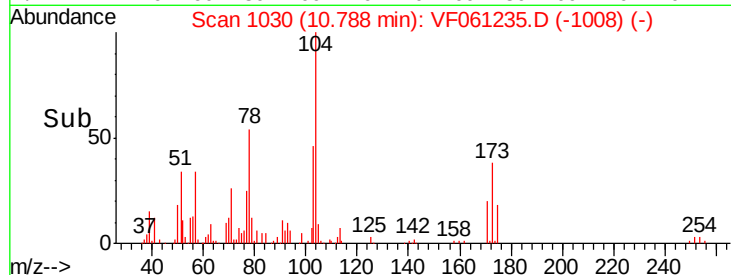
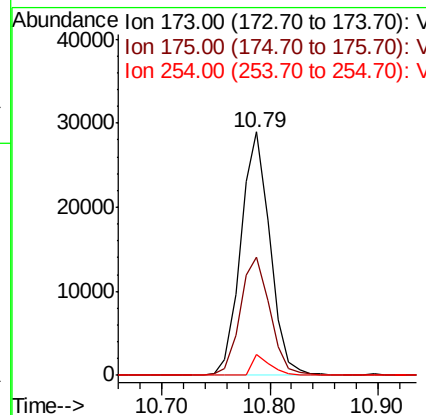
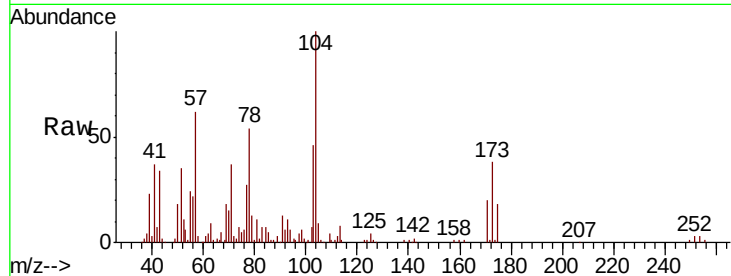
175 48.3 24.8 74.4

254 8.4 0.0 0.0#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

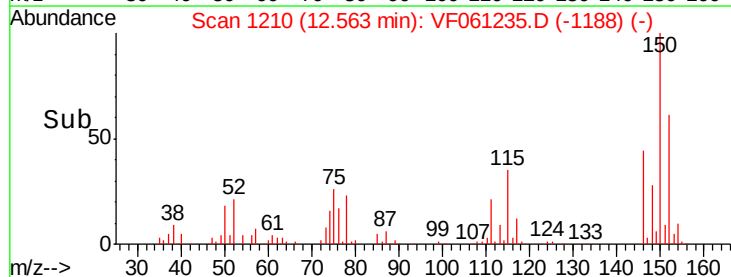
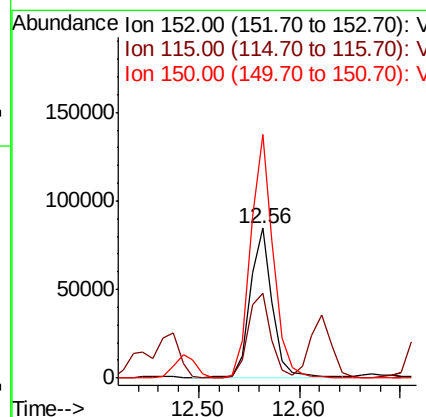
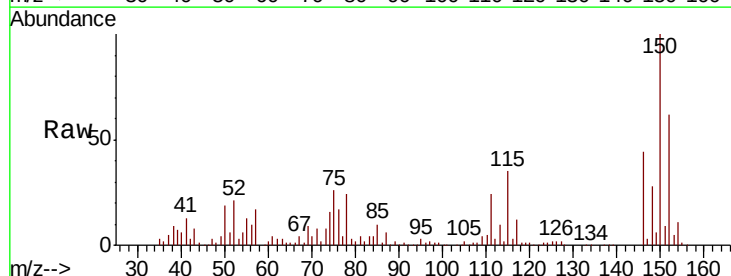
Tgt Ion:152 Resp: 128403

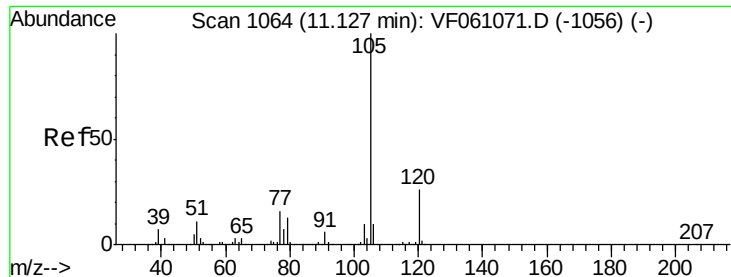
Ion Ratio Lower Upper

152 100

115 56.9 33.3 99.9

150 162.3 0.0 328.2





#73

Isopropylbenzene

Concen: 69.913 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MSD

Tot Ion: 105 Resp: 773599

Ion Ratio Lower Upper

105 100

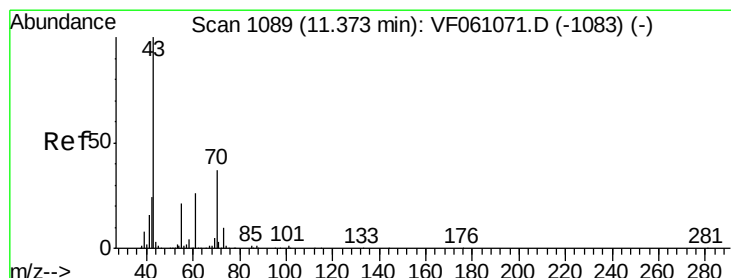
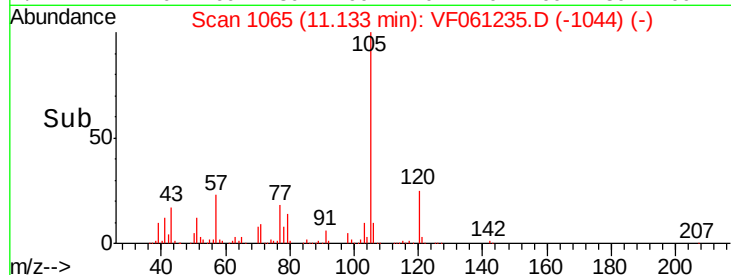
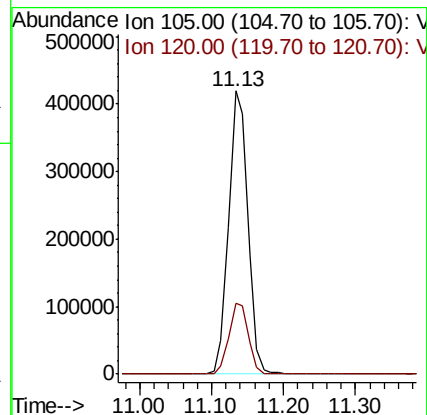
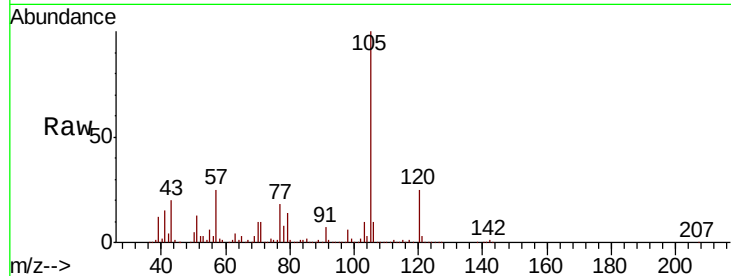
120 25.2 13.0 39.0

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#74

N-ethyl acetate

Concen: 64.043 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Tgt Ion: 43 Resp: 157332

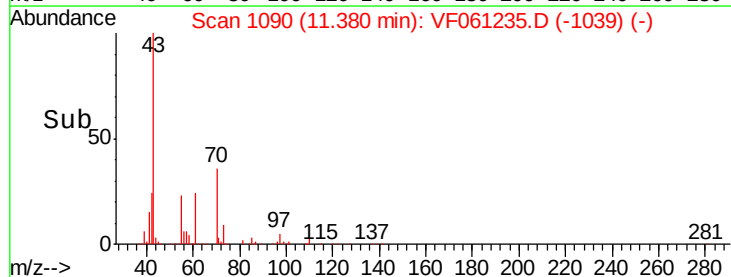
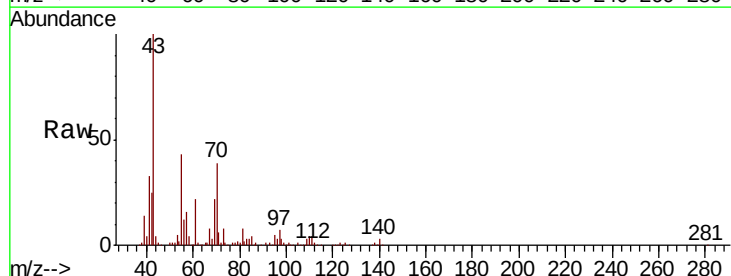
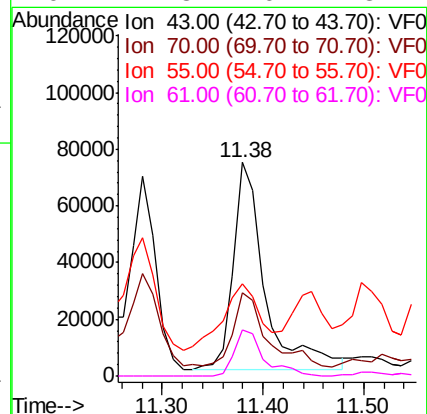
Ion Ratio Lower Upper

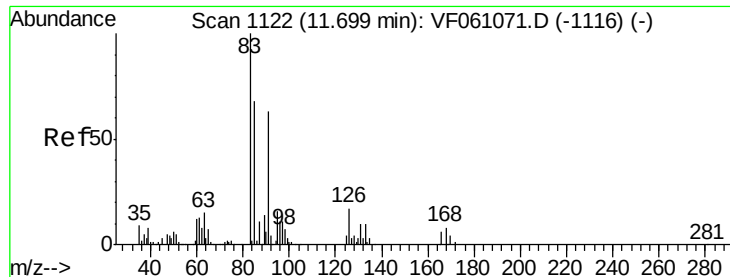
43 100

70 38.7 29.2 43.8

55 42.9 16.5 24.7#

61 21.8 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 47.756 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

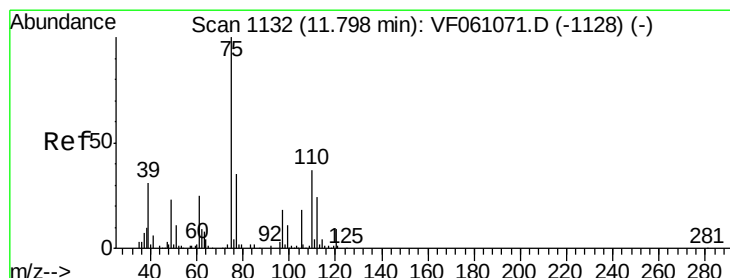
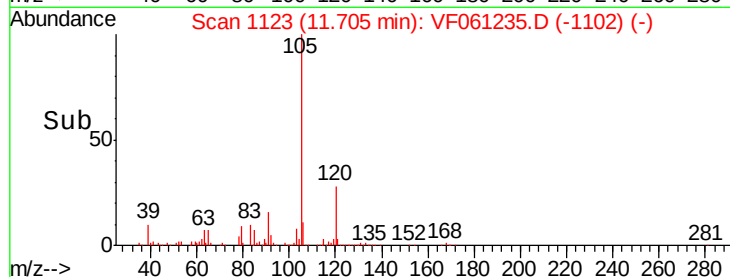
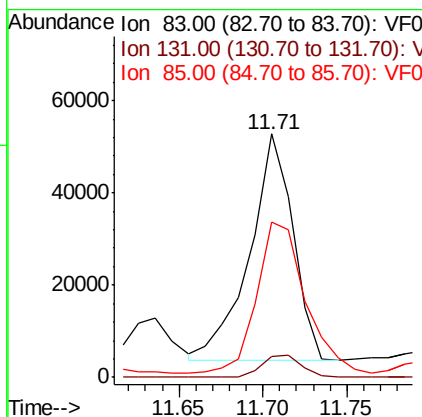
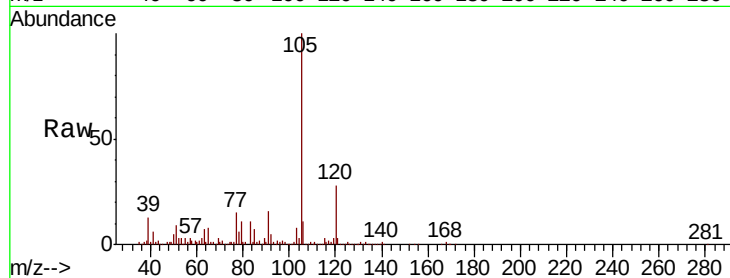
ClientSampleId :

S72-0050MSD

Tot Ion	83	Resp	87701
Ion Ratio	100	Lower	Upper
83	100		
131	8.6	4.8	14.3
85	63.7	33.9	101.6

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#76

1,2,3-Trichloropropane

Concen: 65.167 ug/l

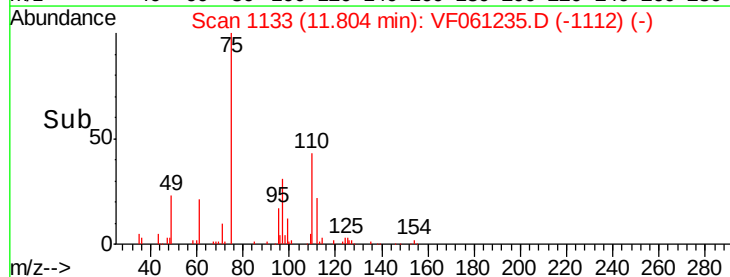
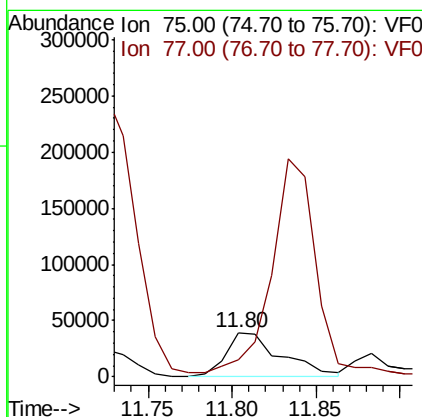
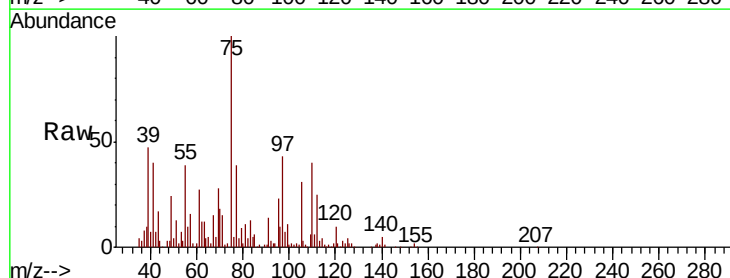
RT: 11.80 min Scan# 1133

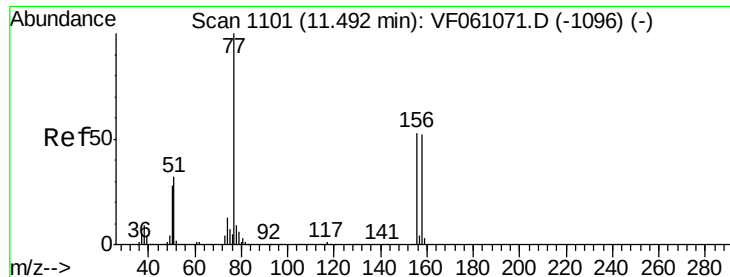
Delta R.T. 0.01 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Tgt Ion	75	Resp	89062
Ion Ratio	100	Lower	Upper
75	100		
77	39.0	17.6	52.9





#77

Bromobenzene

Concen: 49.201 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

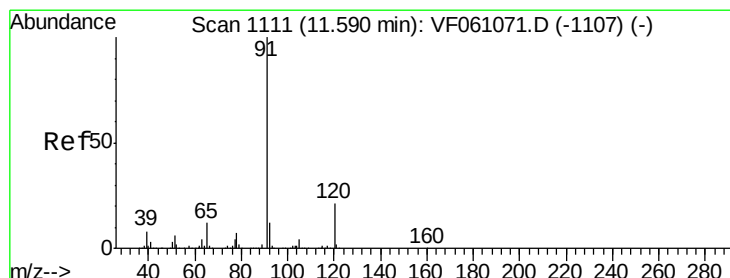
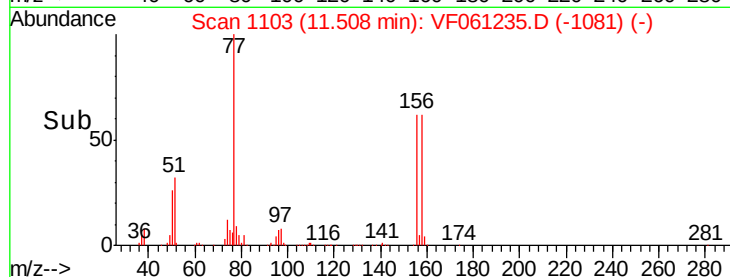
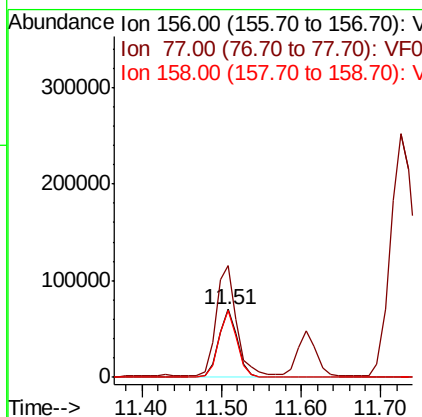
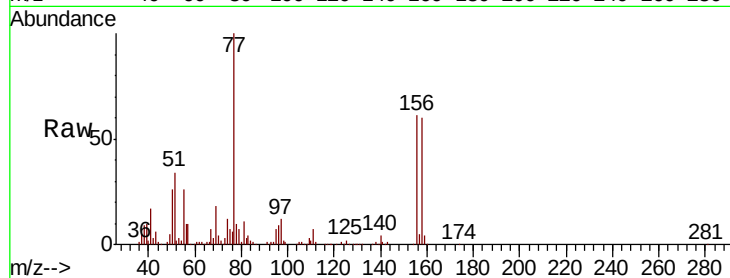
ClientSampleId :

S72-0050MSD

Tot Ion:	156	Resp:	117194
Ion	Ratio	Lower	Upper
156	100		
77	163.5	93.8	281.4
158	98.7	48.9	146.8

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#78

n-propylbenzene

Concen: Below Cal

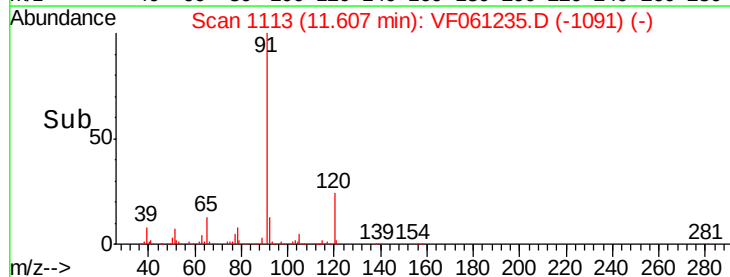
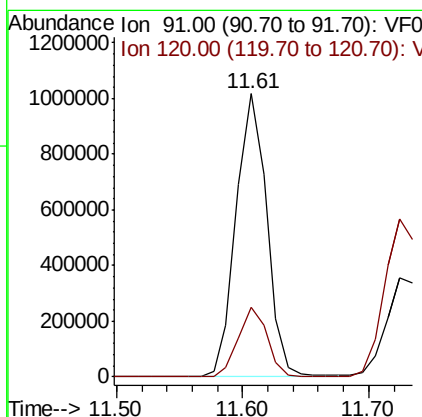
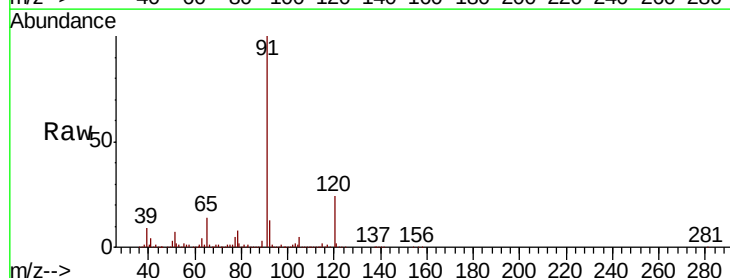
RT: 11.61 min Scan# 1113

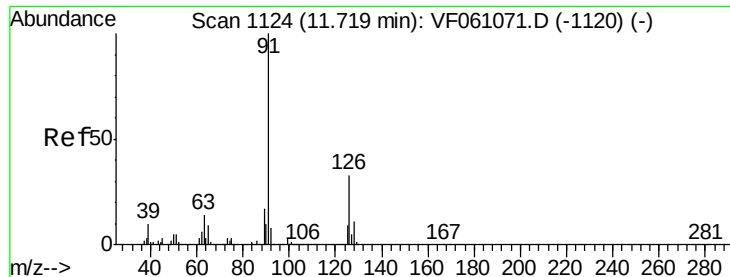
Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Tgt Ion:	91	Resp:	1716269
Ion	Ratio	Lower	Upper
91	100		
120	24.5	10.4	31.2





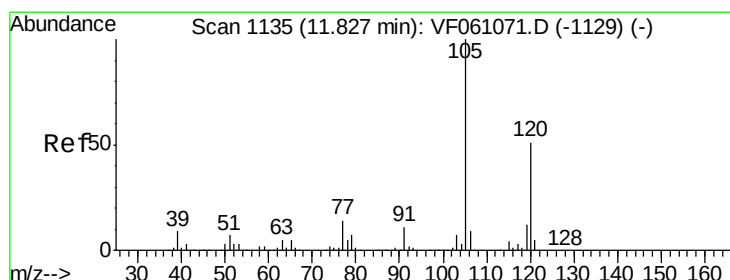
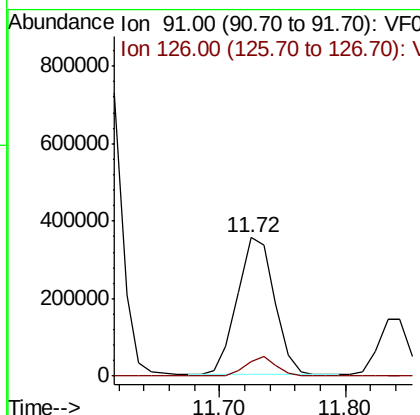
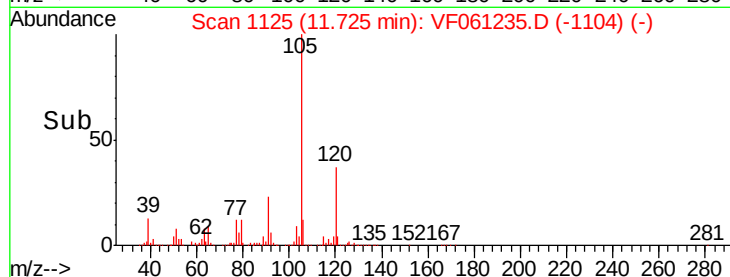
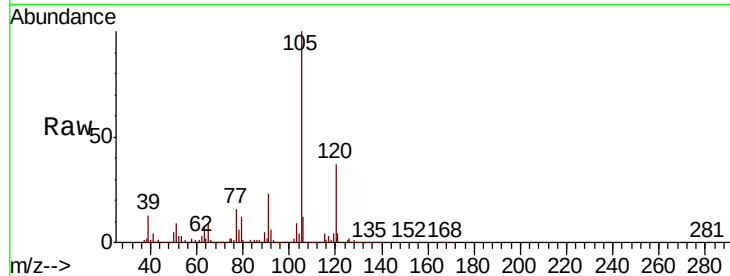
#79
2-Chlorotoluene
Concen: 95.674 ug/l
RT: 11.72 min Scan# 1125
Delta R.T. 0.01 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MSD

Tot Ion: 91 Resp: 726236
Ion Ratio Lower Upper
91 100
126 10.4 16.4 49.1#

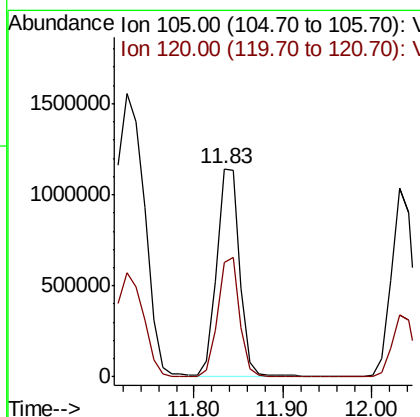
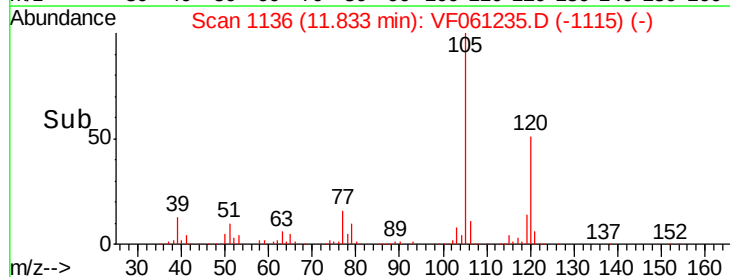
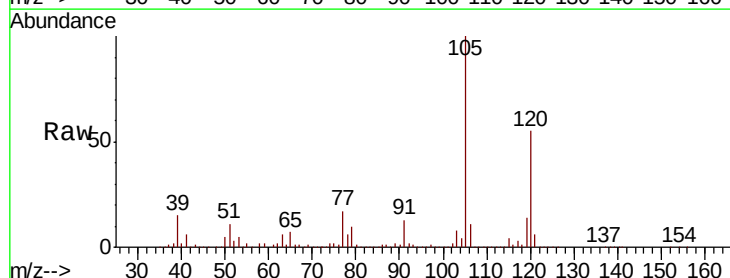
Manual Integrations
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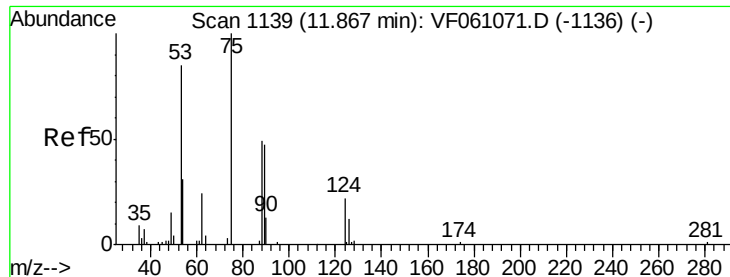
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 227.452 ug/l
RT: 11.83 min Scan# 1136
Delta R.T. 0.01 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion: 105 Resp: 2072387
Ion Ratio Lower Upper
105 100
120 54.9 25.4 76.4





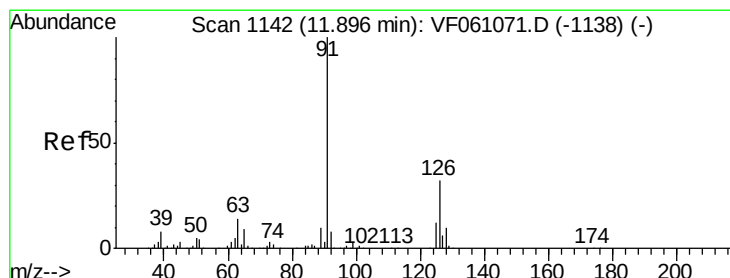
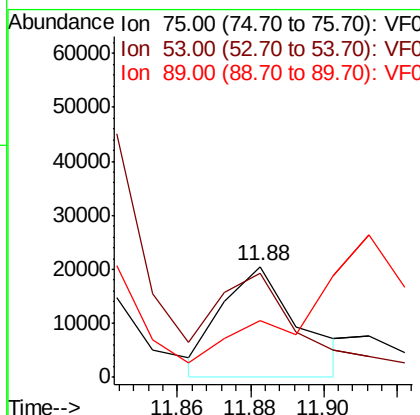
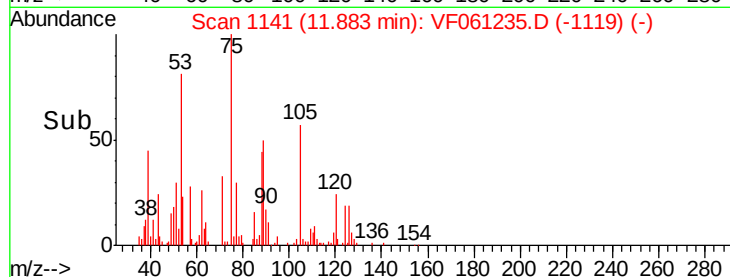
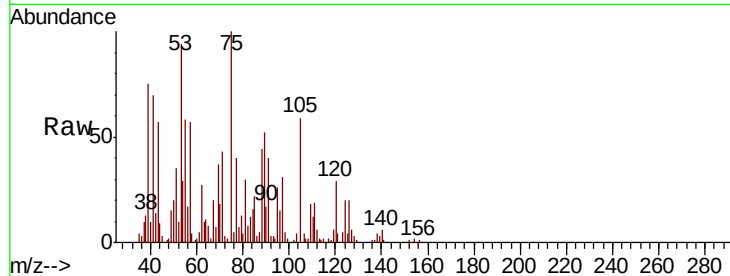
#81
trans-1,4-Dichloro-2-butene
Concen: 51.395 ug/l m
RT: 11.88 min Scan# 1141
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MSD

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.9	74.1	111.1
89	51.5	42.6	64.0

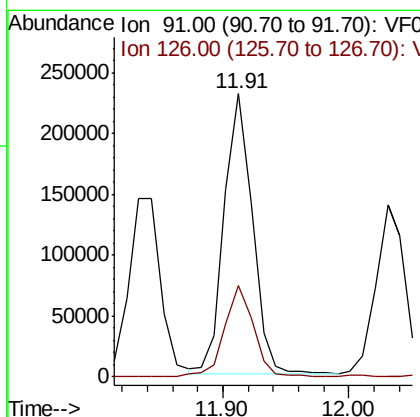
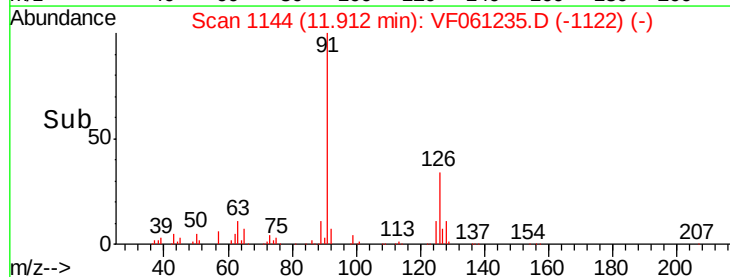
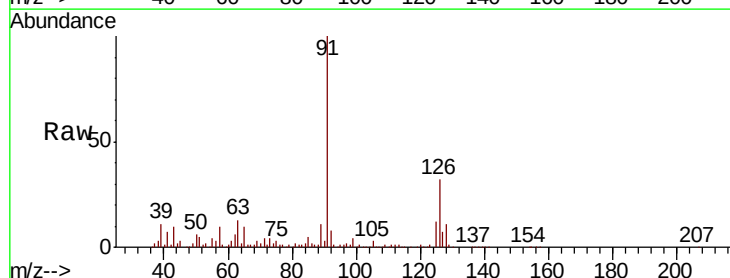
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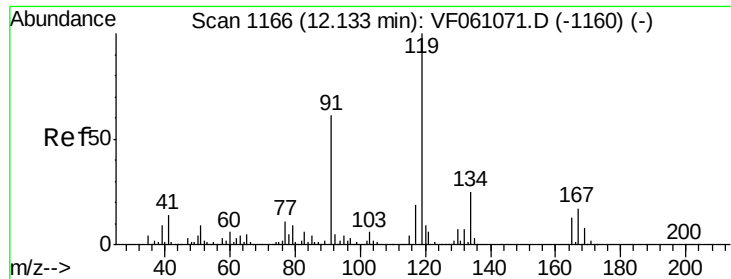
MMDadoda
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#82
4-Chlorotoluene
Concen: 45.155 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.0	47.9





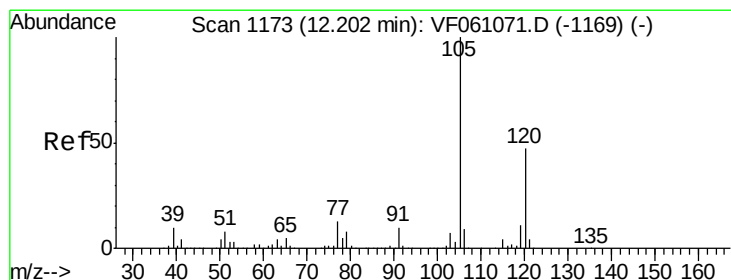
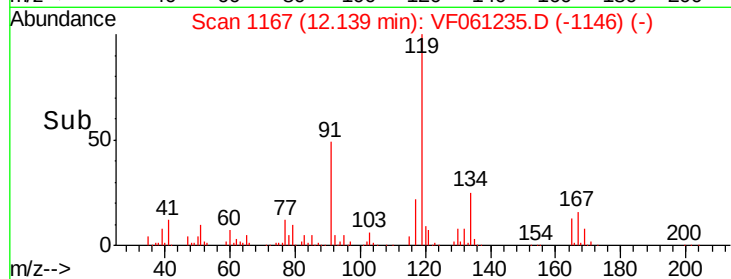
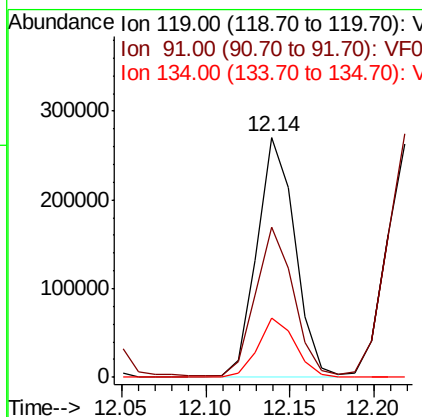
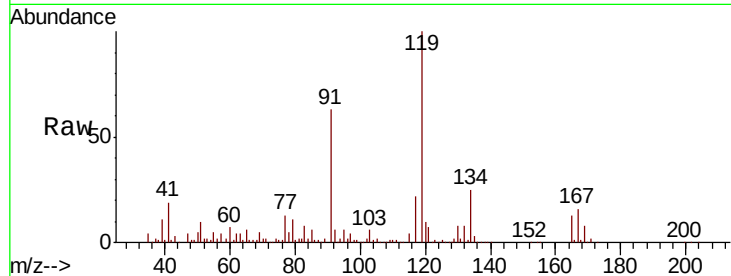
#83
tert-Butylbenzene
Concen: 45.312 ug/l
RT: 12.14 min Scan# 1167
Delta R.T. 0.01 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	424832		
91	62.7	30.5	91.5	
134	24.7	12.4	37.4	

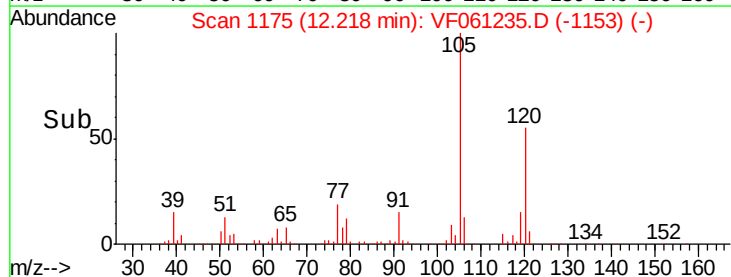
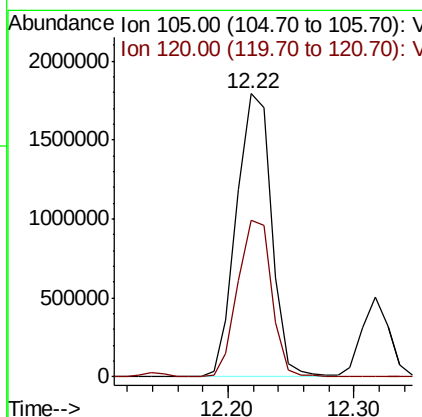
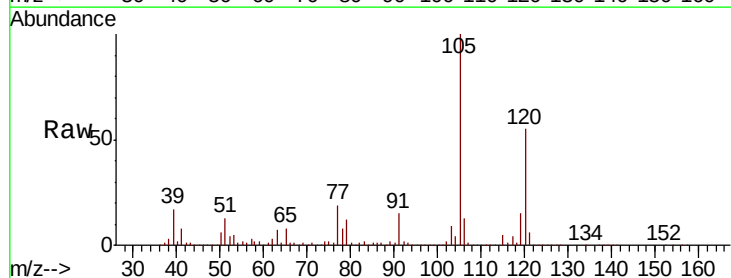
Manual Integrations
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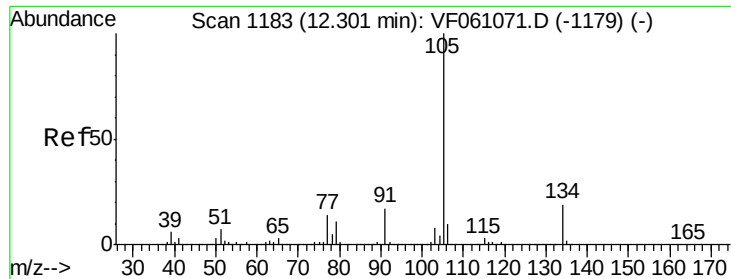
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#84
1,2,4-Trimethylbenzene
Concen: 380.596 ug/l
RT: 12.22 min Scan# 1175
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	3458071		
120	55.2	23.6	71.0	





#85

sec-Butylbenzene

Concen: 61.632 ug/l

RT: 12.32 min Scan# 1185

Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

ClientSampleId :

S72-0050MSD

Tot Ion:105 Resp: 754093

Ion Ratio Lower Upper

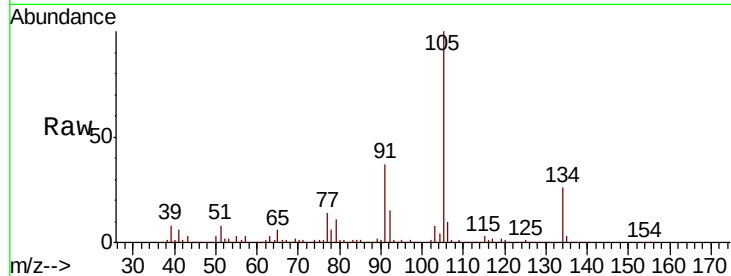
105 100

134 25.7 9.4 28.2

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

Ion 134.00 (133.70 to 134.70): V

2000000

1500000

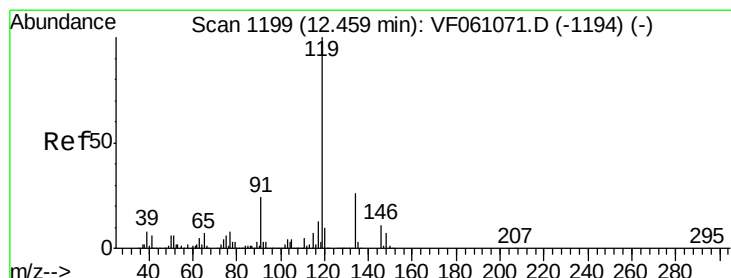
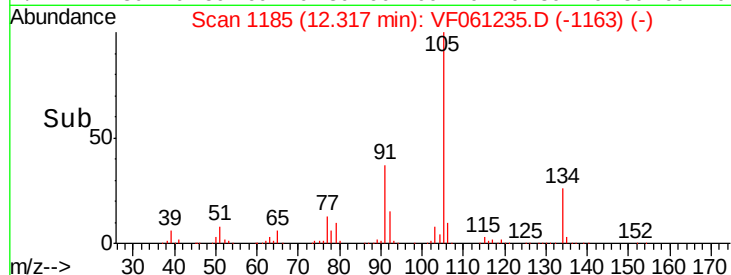
1000000

500000

0

12.30 12.32 12.40

Time-->



#86

p-Isopropyltoluene

Concen: 84.779 ug/l

RT: 12.47 min Scan# 1201

Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

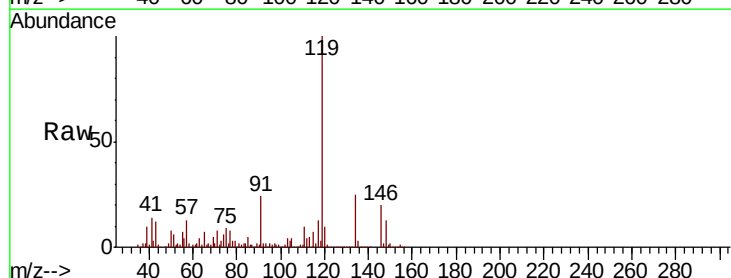
Tgt Ion:119 Resp: 861019

Ion Ratio Lower Upper

119 100

134 25.3 12.8 38.4

91 24.1 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

400000

300000

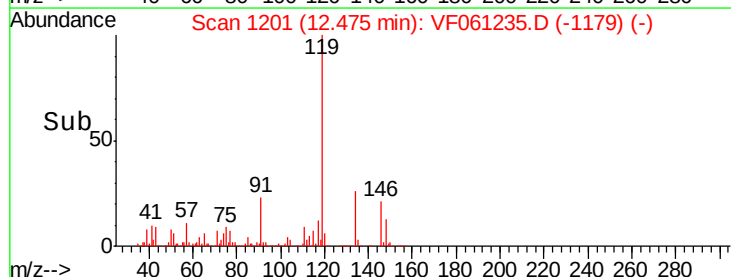
200000

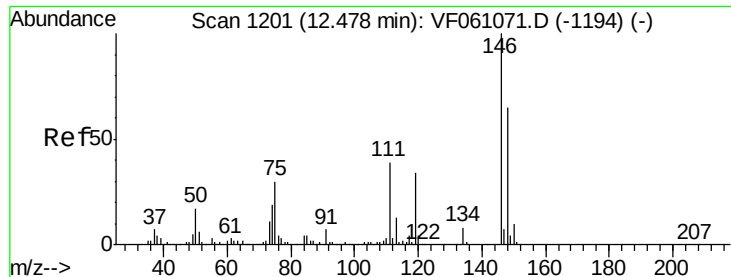
100000

0

12.30 12.40 12.50 12.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 52.725 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

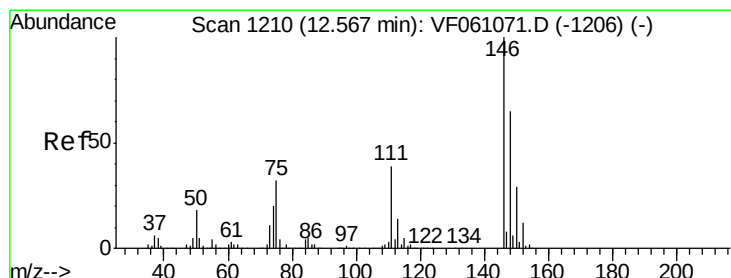
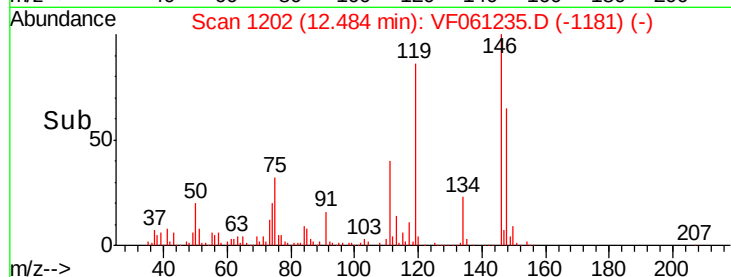
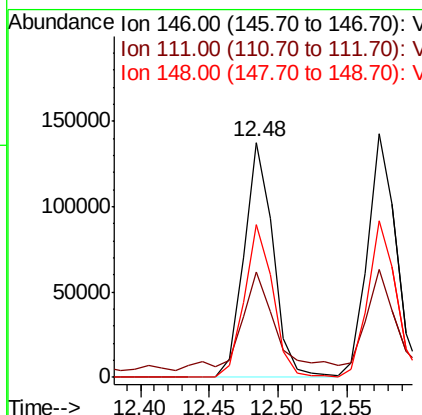
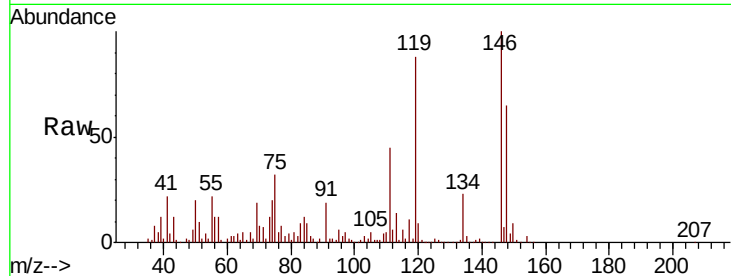
ClientSampleId :

S72-0050MSD

Tot Ion:	146	Resp:	203818
Ion Ratio	Lower	Upper	
146	100		
111	44.6	19.3	57.9
148	65.0	32.4	97.2

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 46.847 ug/l

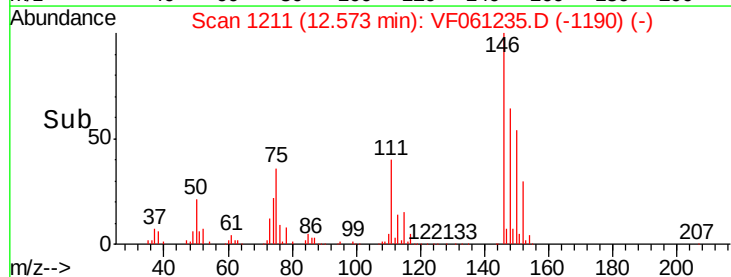
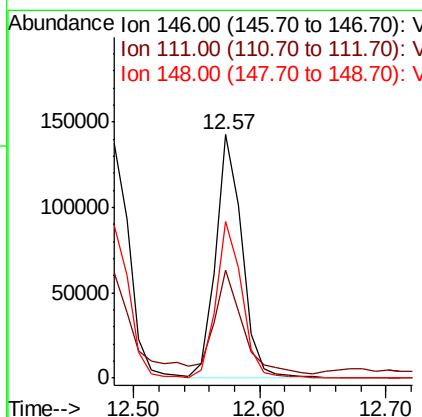
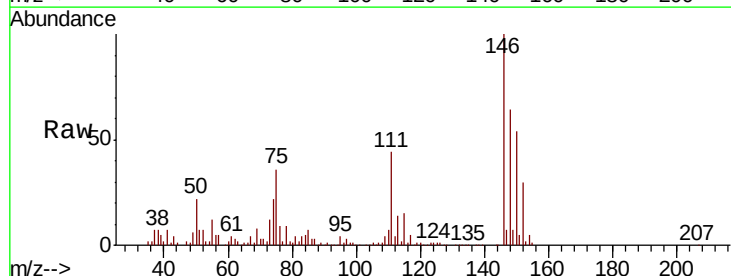
RT: 12.57 min Scan# 1211

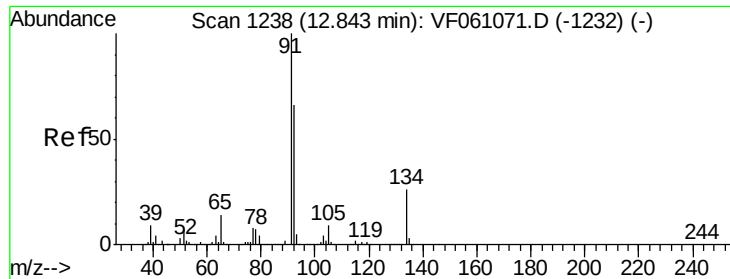
Delta R.T. 0.01 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Tgt Ion:	146	Resp:	204900
Ion Ratio	Lower	Upper	
146	100		
111	44.1	19.4	58.4
148	64.2	32.4	97.0





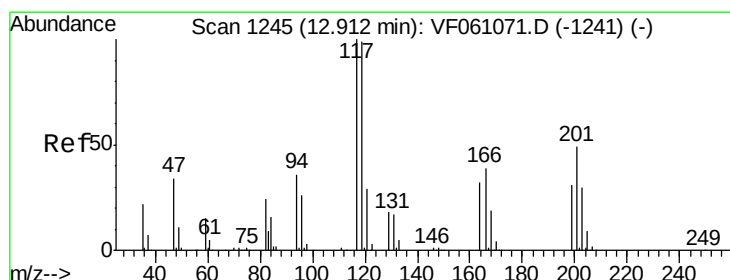
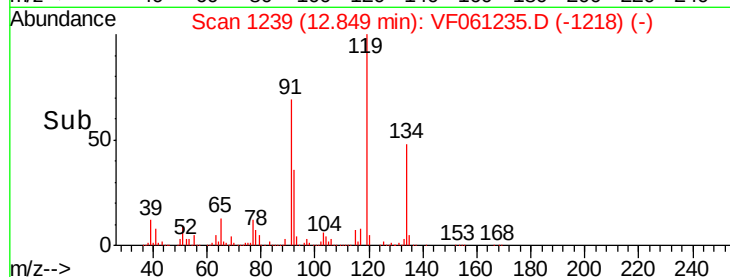
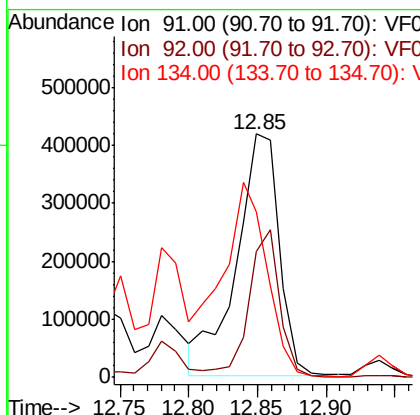
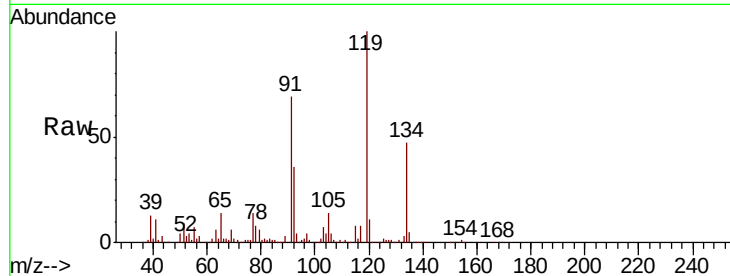
#89
n-Butylbenzene
Concen: Below Cal
RT: 12.85 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Instrument :
MSVOA_F
ClientSampleId :
S72-0050MSD

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.9	32.8	98.4	
134	67.9	13.2	39.5	

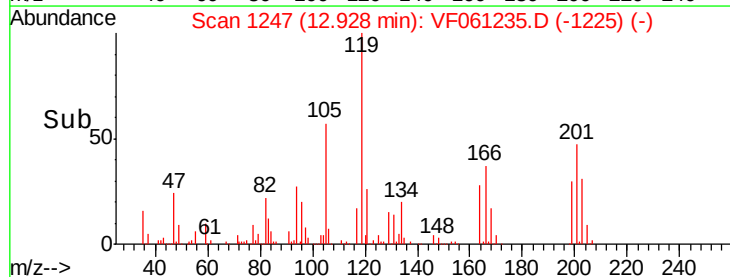
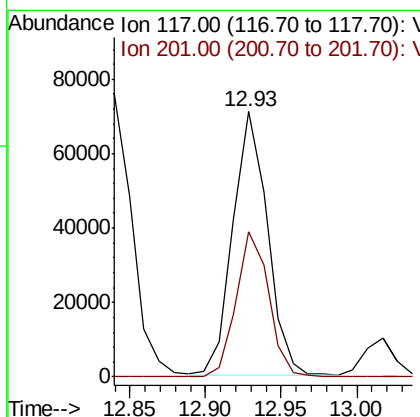
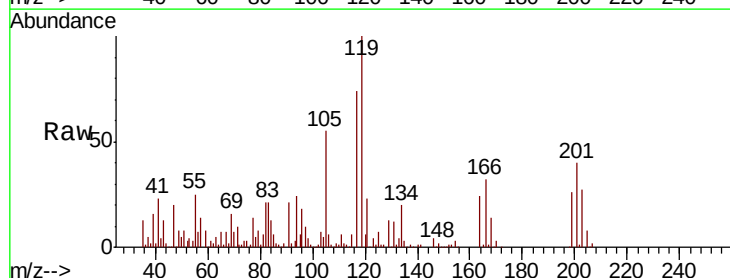
Manual Integrations
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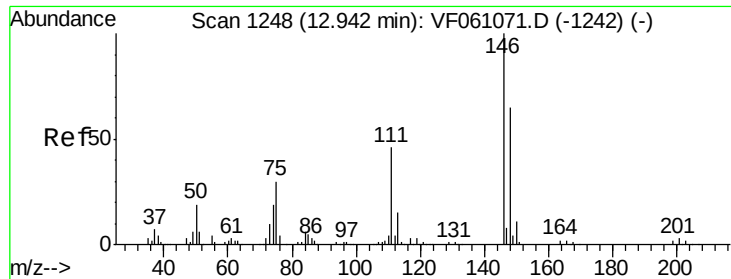
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#90
Hexachloroethane
Concen: 44.725 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. 0.02 min
Lab File: VF061235.D
Acq: 28 Dec 2018 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	54.6	24.9	74.8	





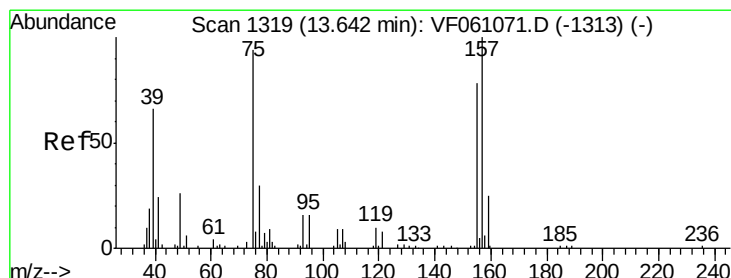
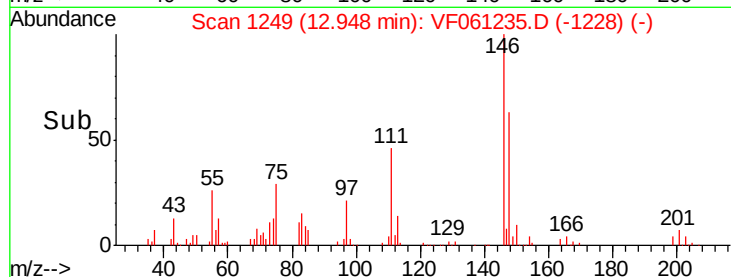
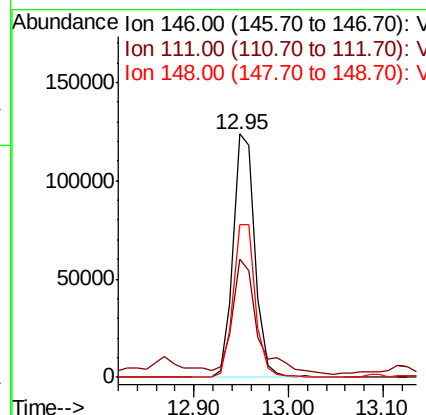
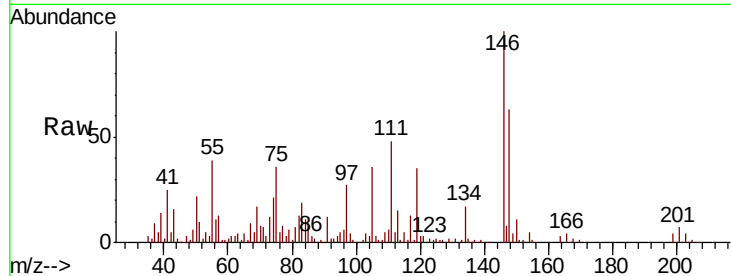
#91
 1,2-Dichlorobenzene
 Concen: 46.179 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. 0.01 min
 Lab File: VF061235.D
 Acq: 28 Dec 2018 14:51

Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0050MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	196643		
111	48.3	23.2	69.5	
148	62.8	32.4	97.0	

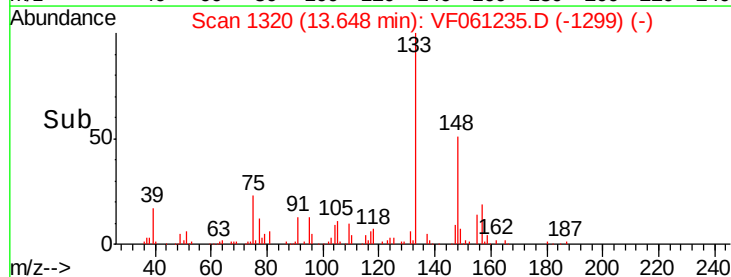
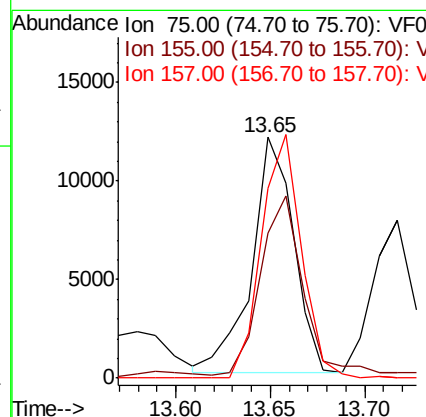
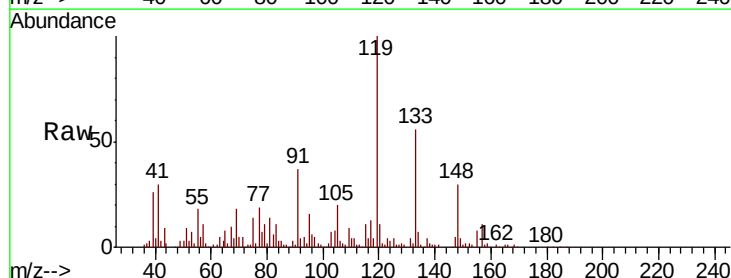
Manual Integrations
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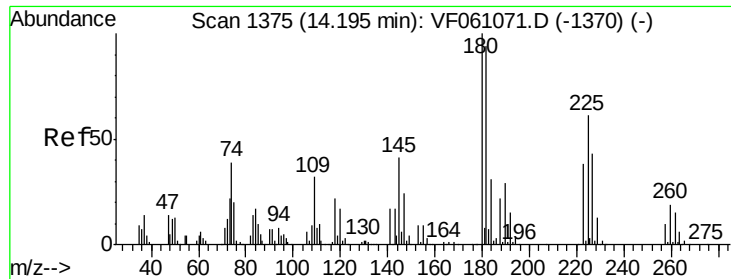
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 1/2/2019 11:52:18 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.971 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. 0.01 min
 Lab File: VF061235.D
 Acq: 28 Dec 2018 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18525		
155	60.1	41.5	124.5	
157	78.9	53.2	159.6	





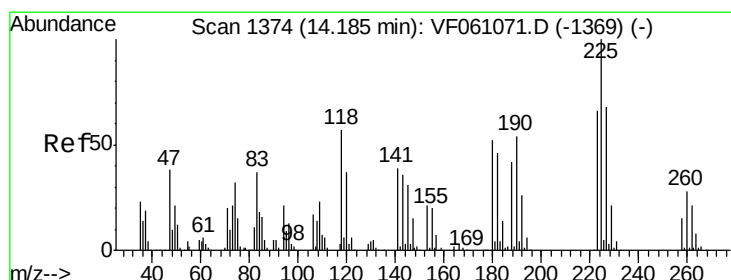
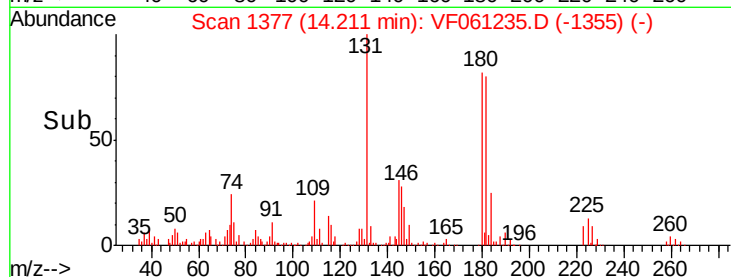
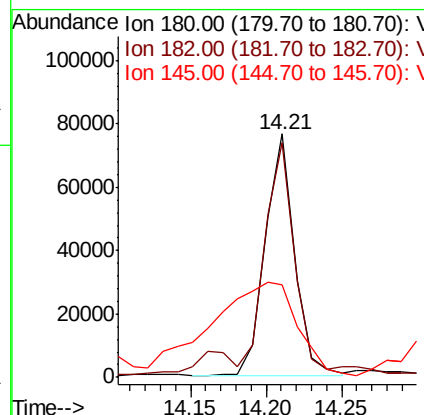
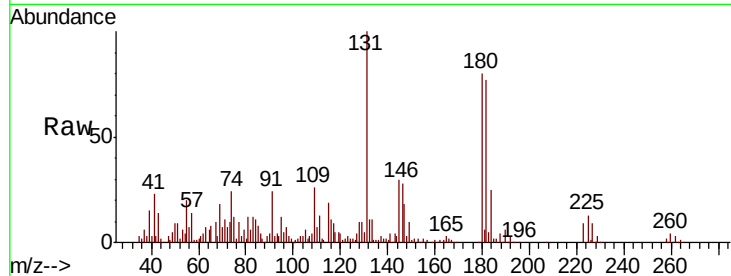
#93
 1,2,4-Trichlorobenzene
 Concen: 34.366 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.02 min
 Lab File: VF061235.D
 Acq: 28 Dec 2018 14:51

Instrument :
 MSVOA_F
 ClientSampleId :
 S72-0050MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	103783		
182	96.4	46.9	140.6	
145	38.1	20.5	61.6	

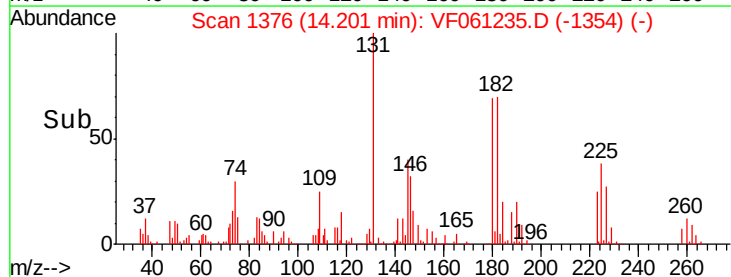
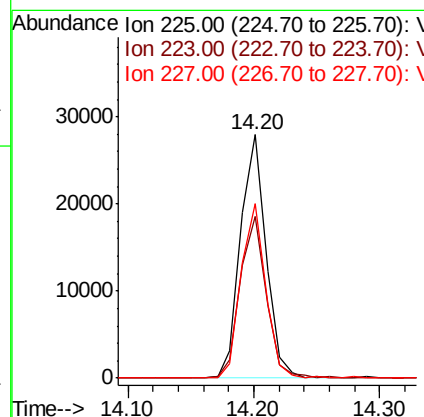
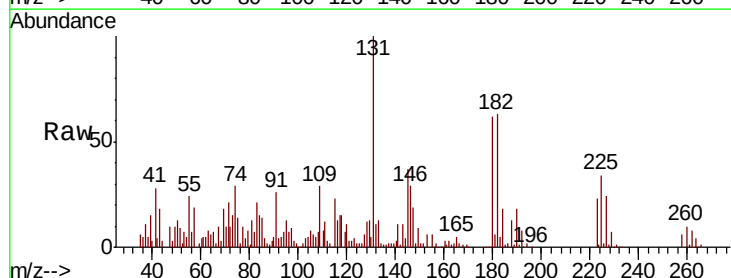
Manual Integrations
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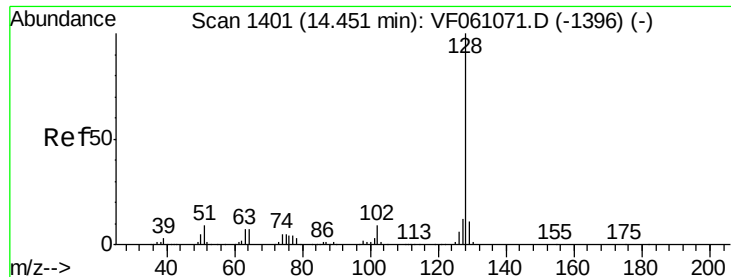
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#94
 Hexachlorobutadiene
 Concen: 20.260 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.02 min
 Lab File: VF061235.D
 Acq: 28 Dec 2018 14:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	38969		
223	66.3	32.8	98.3	
227	71.9	34.0	101.8	





#95

Naphthalene

Concen: 119.551 ug/l

RT: 14.47 min Scan# 1403

Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Instrument :

MSVOA_F

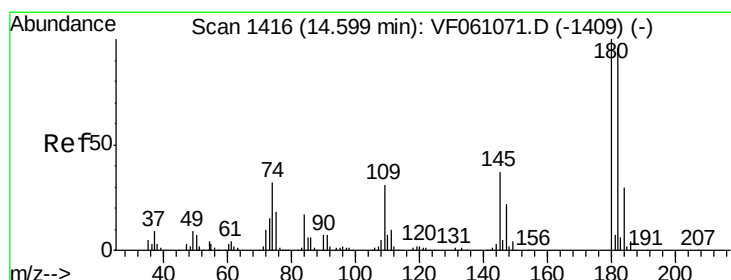
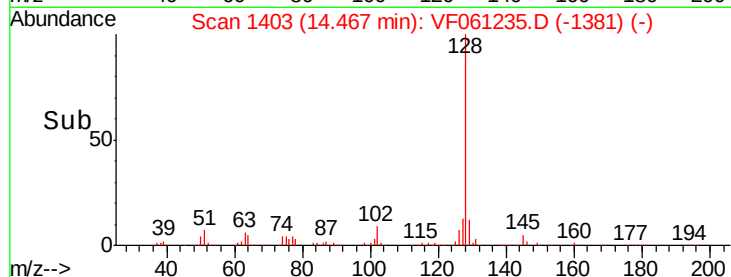
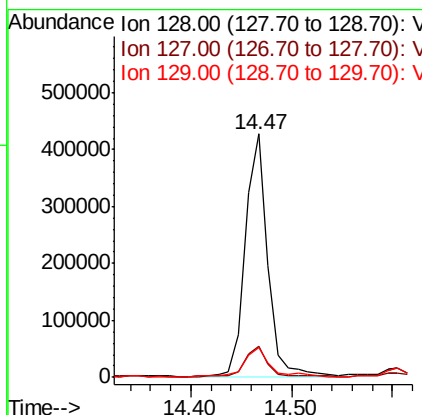
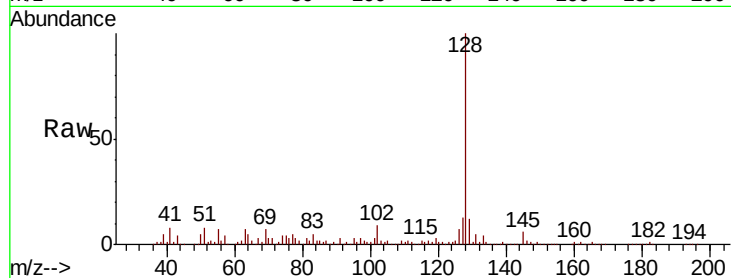
ClientSampleId :

S72-0050MSD

Tot Ion:	128	Resp:	659270
Ion Ratio	Lower	Upper	
128	100		
127	13.0	9.4	14.2
129	12.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
1/2/2019 11:52:18 AM



#96

1,2,3-Trichlorobenzene

Concen: 35.625 ug/l

RT: 14.62 min Scan# 1418

Delta R.T. 0.02 min

Lab File: VF061235.D

Acq: 28 Dec 2018 14:51

Tgt Ion:	180	Resp:	99458
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.9	143.8
145	42.3	18.6	55.8

