

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF122118\
 Data File : VF061138.D
 Acq On : 21 Dec 2018 21:03
 Operator : VA/AP
 Sample : J6377-18MSD
 Misc : 4.82g/5mL/MSVOA-F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MSD

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 10:51:51 AM

Quant Time: Dec 22 00:25:47 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	4.91	168	79819	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	5.64	114	136155	50.00	ug/l	0.05
63) Chlorobenzene-d5	9.82	117	109432	50.00	ug/l	0.05
72) 1,4-Dichlorobenzene-d4	12.58	152	46850	50.00	ug/l	0.04

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.89	65	52910	51.54	ug/l	0.05
Spiked Amount	50.000		Recovery	=	103.08%	
35) Dibromofluoromethane	4.16	113	52627	48.25	ug/l	0.05
Spiked Amount	50.000		Recovery	=	96.50%	
50) Toluene-d8	7.59	98	155695	50.37	ug/l	0.04
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	11.44	95	59280	41.60	ug/l	0.03
Spiked Amount	50.000		Recovery	=	83.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.97	85	73003	41.144	ug/l	99
3) Chloromethane	1.11	50	40550	39.897	ug/l	95
4) Vinyl Chloride	1.15	62	38550	40.887	ug/l	95
5) Bromomethane	1.35	94	29179	44.619	ug/l	94
6) Chloroethane	1.40	64	19408	44.674	ug/l #	86
7) Trichlorofluoromethane	1.51	101	80699	44.827	ug/l	92
8) Diethyl Ether	1.64	74	13359	54.190	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.84	101	41066	43.996	ug/l	95
10) Methyl Iodide	1.91	142	60204	40.918	ug/l	94
11) Tert butyl alcohol	2.61	59	13828	333.785	ug/l #	93
12) 1,1-Dichloroethene	1.81	96	31981	45.453	ug/l	95
13) Acrolein	2.03	56	4709	157.305	ug/l	92
14) Allyl chloride	2.12	41	27705	37.837	ug/l	95
15) Acrylonitrile	2.97	53	28908	301.762	ug/l	90
16) Acetone	2.26	43	43772	213.282	ug/l	98
17) Carbon Disulfide	1.85	76	87899	41.339	ug/l #	93
18) Methyl Acetate	2.37	43	61602	145.081	ug/l	97
19) Methyl tert-butyl Ether	2.46	73	77982	49.932	ug/l	99
20) Methylene Chloride	2.26	84	34405m	52.704	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	32076m	42.623	ug/l	
22) Diisopropyl ether	2.83	45	113318	46.461	ug/l	93
23) Vinyl Acetate	3.23	43	55752	49.550	ug/l	99
24) 1,1-Dichloroethane	2.90	63	65390	45.249	ug/l	96
25) 2-Butanone	4.39	43	91151	273.854	ug/l	98
26) 2,2-Dichloropropane	3.64	77	40073	48.321	ug/l	99
27) cis-1,2-Dichloroethene	3.51	96	50706	44.012	ug/l	98
28) Bromochloromethane	3.75	49	35724	48.720	ug/l	83
29) Tetrahydrofuran	4.12	42	43469	320.872	ug/l	99
30) Chloroform	3.90	83	102447	47.280	ug/l	96
31) Cyclohexane	3.71	56	67314	44.890	ug/l	93
32) 1,1,1-Trichloroethane	4.14	97	68125	52.454	ug/l	98
36) 1,1-Dichloropropene	4.32	75	71211	43.329	ug/l	96
37) Ethyl Acetate	4.15	43	37391	60.804	ug/l #	70
38) Carbon Tetrachloride	4.03	117	59067	47.194	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	63025	42.746	ug/l	95
40) Benzene	4.67	78	175297	49.598	ug/l	99
41) Methacrylonitrile	4.79	41	20888	60.181	ug/l	91
42) 1,2-Dichloroethane	4.99	62	64474	48.021	ug/l	97
43) Isopropyl Acetate	7.00	43	39195	49.392	ug/l	96
44) Trichloroethene	5.55	130	49372	44.308	ug/l	97
45) 1,2-Dichloropropane	6.28	63	45143	46.947	ug/l	94
46) Dibromomethane	6.13	93	31579	50.635	ug/l	97
47) Bromodichloromethane	6.43	83	73968	45.647	ug/l	97
48) Methyl methacrylate	6.76	41	34329	61.967	ug/l	93
49) 1,4-Dioxane	6.75	88	5257	1307.802	ug/l	88
51) 4-Methyl-2-Pentanone	8.30	43	176339	324.010	ug/l	98
52) Toluene	7.66	92	109923	46.985	ug/l	88
53) t-1,3-Dichloropropene	8.32	75	64667	49.469	ug/l	94
54) cis-1,3-Dichloropropene	7.33	75	71879	43.811	ug/l	97
55) 1,1,2-Trichloroethane	8.53	97	36524	52.076	ug/l	94
56) Ethyl methacrylate	8.66	69	35759	47.118	ug/l	94
57) 1,3-Dichloropropane	8.89	76	62839	49.538	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.33	63	13717	94.109	ug/l #	80
59) 2-Hexanone	9.53	43	104906	266.542	ug/l	97
60) Dibromochloromethane	8.76	129	46436	46.188	ug/l	99
61) 1,2-Dibromoethane	9.03	107	37833	50.508	ug/l	98
64) Tetrachloroethene	8.19	164	39416	46.823	ug/l	92
65) Chlorobenzene	9.84	112	111240	49.206	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.97	131	47937	51.888	ug/l	98
67) Ethyl Benzene	9.94	91	210218	51.041	ug/l	99
68) m/p-Xylenes	10.18	106	145989	100.722	ug/l	97
69) o-Xylene	10.75	106	78481	48.821	ug/l	94
70) Styrene	10.83	104	106145	54.641	ug/l	94
71) Bromoform	10.81	173	22631	52.948	ug/l #	88
73) Isopropylbenzene	11.15	105	209179	51.811	ug/l	98
74) N-amyl acetate	11.40	43	47868	53.403	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.72	83	49935	74.523	ug/l	92
76) 1,2,3-Trichloropropane	11.82	75	36754	73.706	ug/l	95
77) Bromobenzene	11.53	156	47029	54.113	ug/l	89
78) n-propylbenzene	11.63	91	248855	54.573	ug/l	100
79) 2-Chlorotoluene	11.75	91	141947	51.252	ug/l	99
80) 1,3,5-Trimethylbenzene	11.85	105	166675	50.137	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.90	75	16292m	76.032	ug/l	
82) 4-Chlorotoluene	11.93	91	141789	49.489	ug/l	98
83) tert-Butylbenzene	12.16	119	176543	51.607	ug/l	99
84) 1,2,4-Trimethylbenzene	12.24	105	167567	50.546	ug/l	99
85) sec-Butylbenzene	12.34	105	209061	46.829	ug/l	99
86) p-Isopropyltoluene	12.48	119	171047	46.159	ug/l	99
87) 1,3-Dichlorobenzene	12.50	146	76324	54.272	ug/l	98
88) 1,4-Dichlorobenzene	12.59	146	79690	49.935	ug/l	97
89) n-Butylbenzene	12.87	91	163292	42.059	ug/l	92
90) Hexachloroethane	12.95	117	42201	46.095	ug/l	90
91) 1,2-Dichlorobenzene	12.97	146	74097	47.690	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.67	75	8239	67.006	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.23	180	34977	31.743	ug/l	96
94) Hexachlorobutadiene	14.22	225	17104	24.372	ug/l	91
95) Naphthalene	14.49	128	84067	41.781	ug/l	97
96) 1,2,3-Trichlorobenzene	14.63	180	30472	29.914	ug/l	96

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

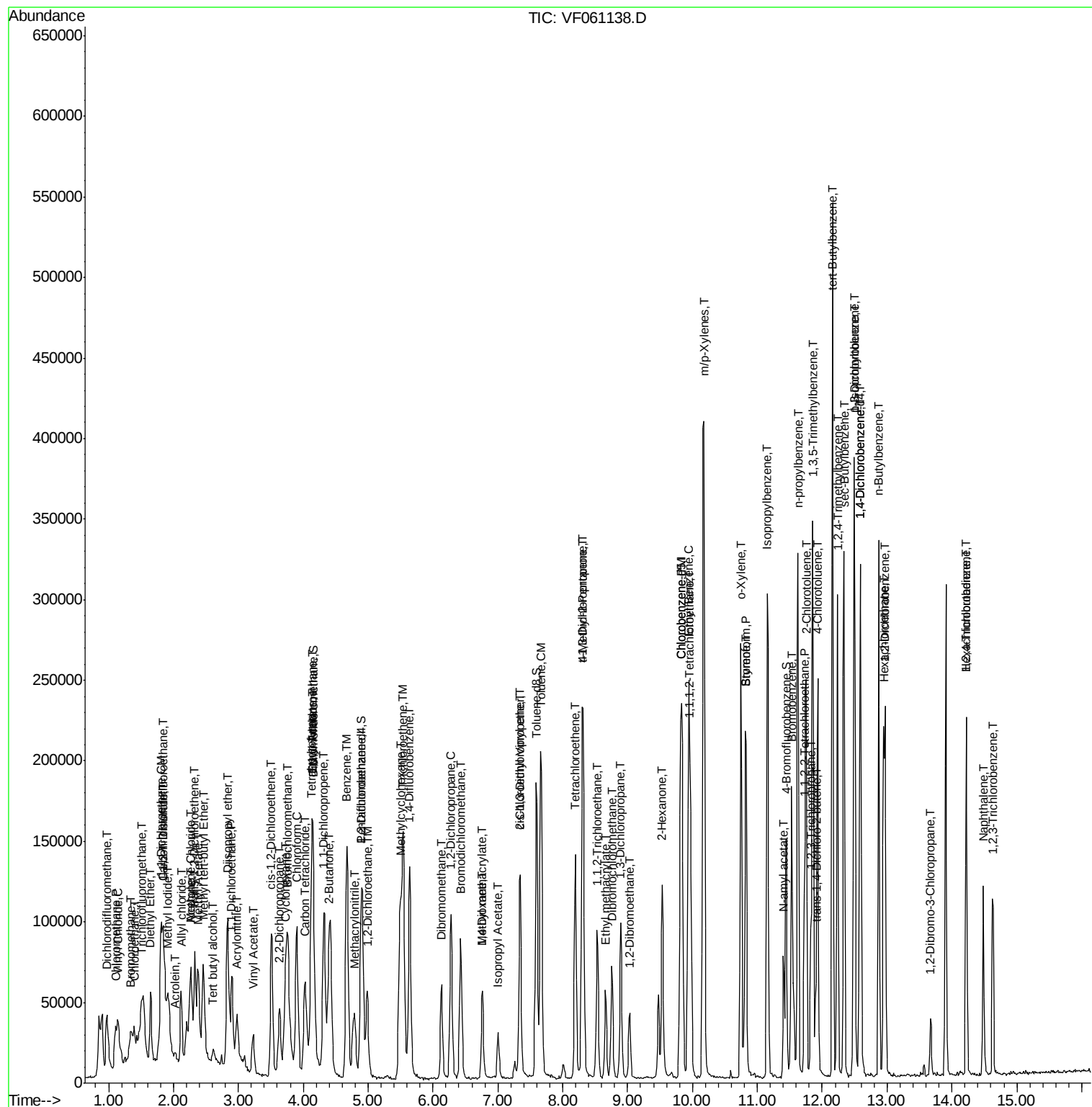
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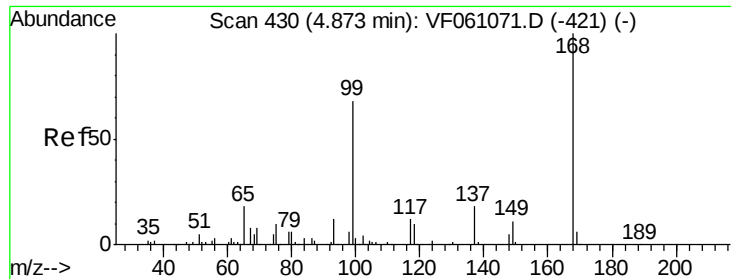
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. 0.04 min

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Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

Tgt Ion: 168 Resp: 79819

Ion Ratio Lower Upper

168 100

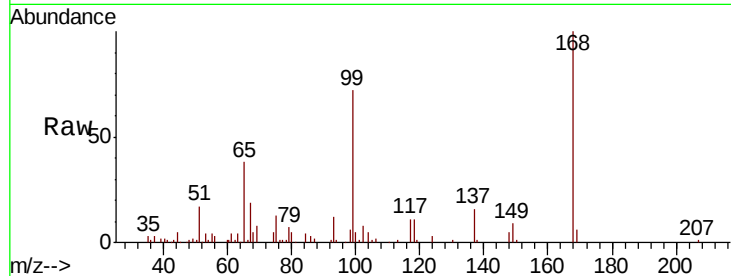
99 72.2 54.4 81.6

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.91

25000

20000

15000

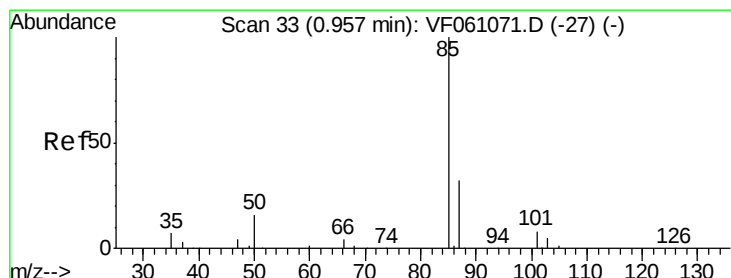
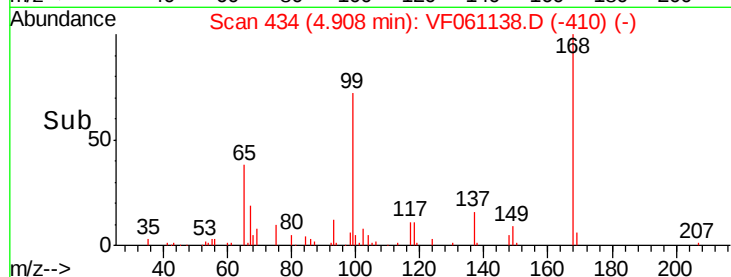
10000

5000

0

4.80 4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.144 ug/l

RT: 0.97 min Scan# 35

Delta R.T. 0.02 min

Lab File: VF061138.D

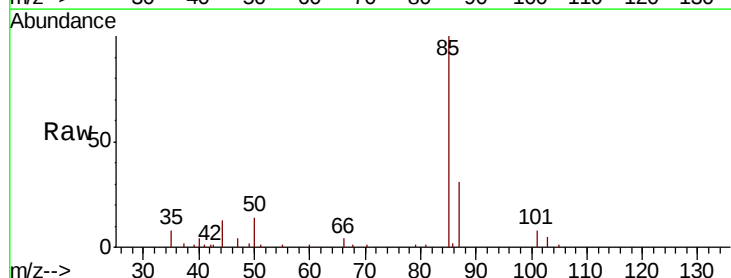
Acq: 21 Dec 2018 21:03

Tgt Ion: 85 Resp: 73003

Ion Ratio Lower Upper

85 100

87 31.2 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

20000

15000

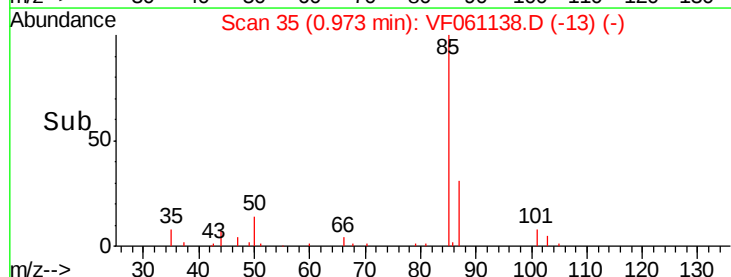
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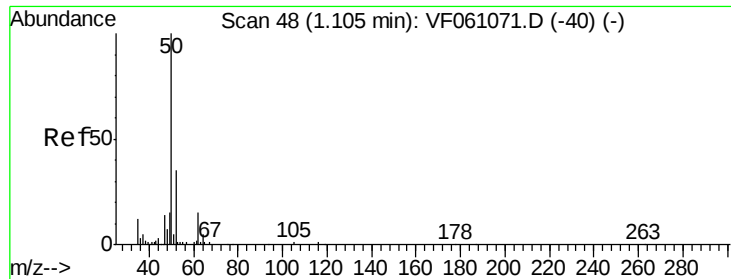
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0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 39.897 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

Tgt Ion: 50 Resp: 40550

Ion Ratio Lower Upper

50 100

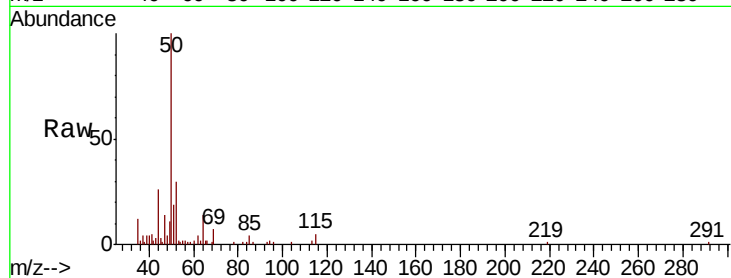
52 30.0 26.3 39.5

Manual Integrations

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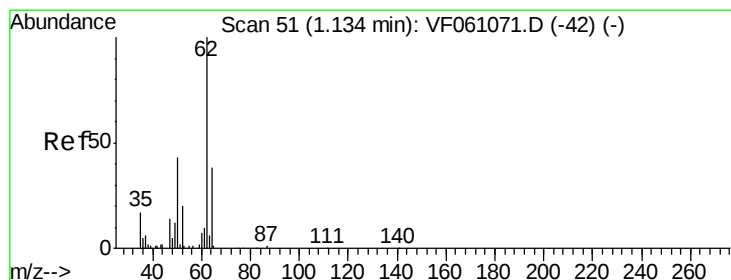
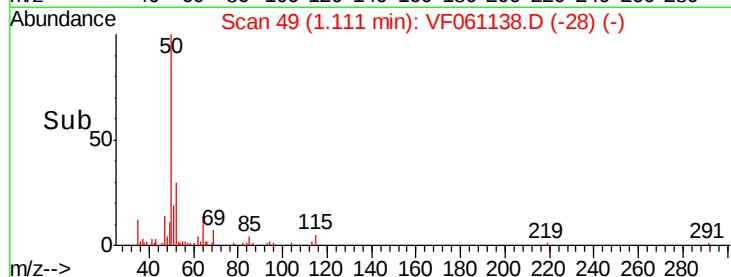
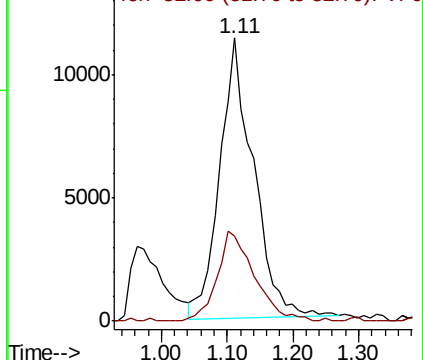
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 40.887 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.02 min

Lab File: VF061138.D

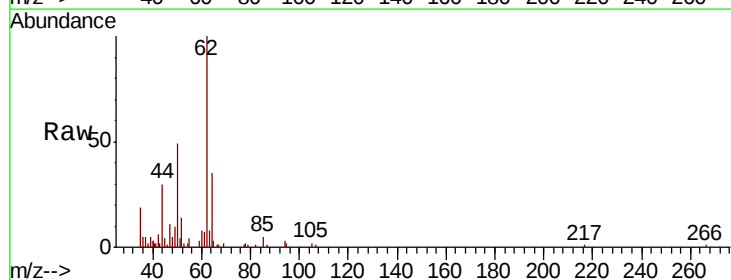
Acq: 21 Dec 2018 21:03

Tgt Ion: 62 Resp: 38550

Ion Ratio Lower Upper

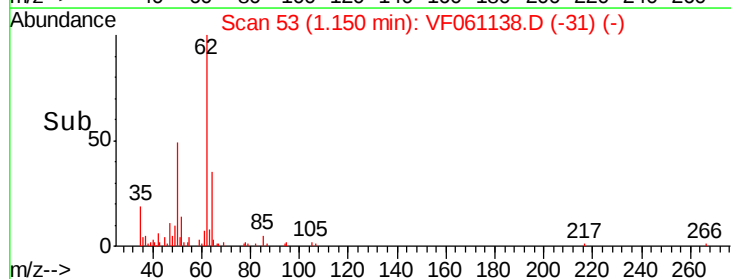
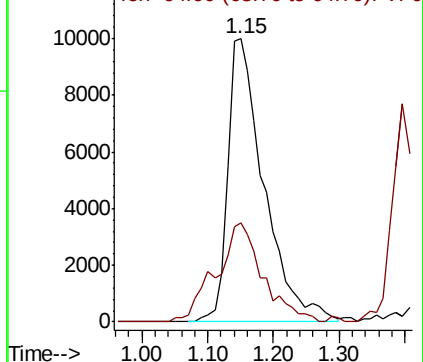
62 100

64 35.0 30.4 45.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 44.619 ug/l

RT: 1.35 min Scan# 73

Delta R.T. 0.01 min

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Acq: 21 Dec 2018 21:03

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Tgt Ion: 94 Resp: 29179

Ion Ratio Lower Upper

94 100

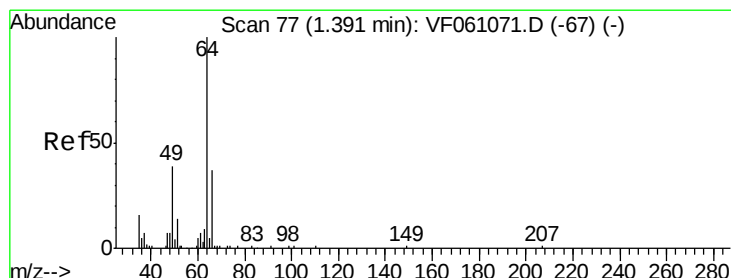
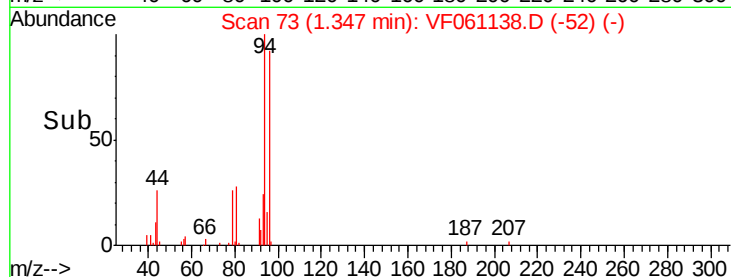
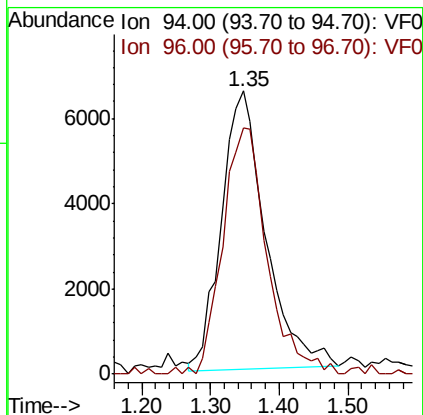
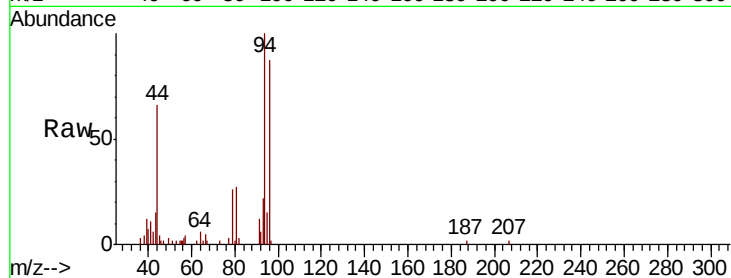
96 86.9 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 44.674 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.01 min

Lab File: VF061138.D

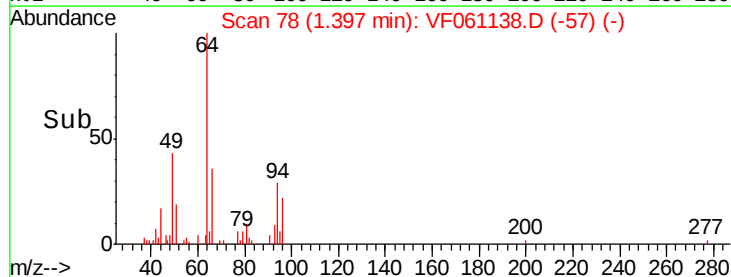
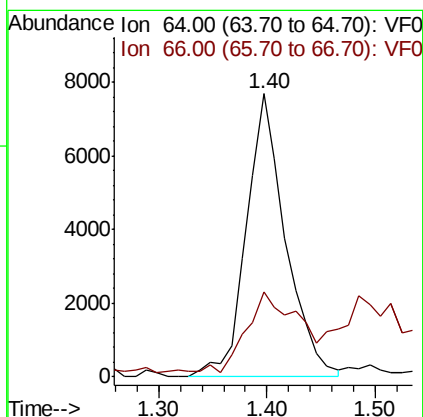
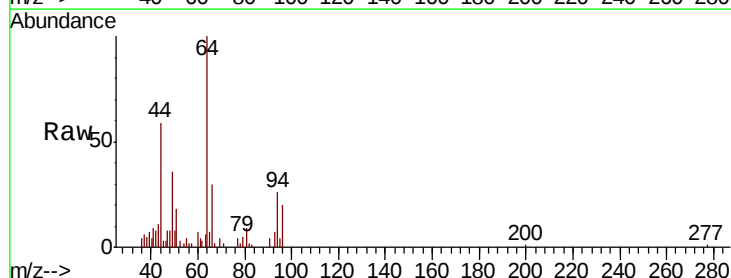
Acq: 21 Dec 2018 21:03

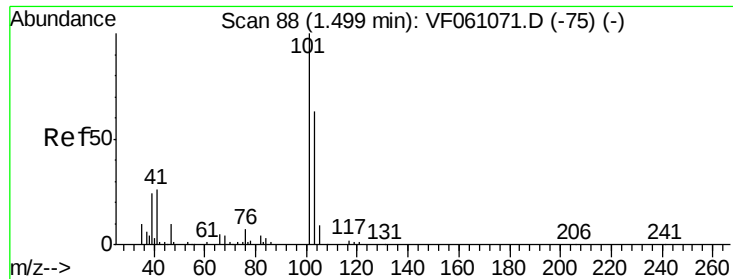
Tgt Ion: 64 Resp: 19408

Ion Ratio Lower Upper

64 100

66 30.2 30.9 46.3#





#7

Trichlorofluoromethane

Concen: 44.827 ug/l

RT: 1.51 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF061138.D

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Tgt Ion:101 Resp: 80699

Ion Ratio Lower Upper

101 100

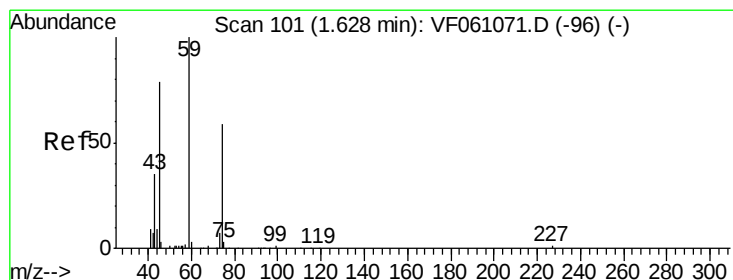
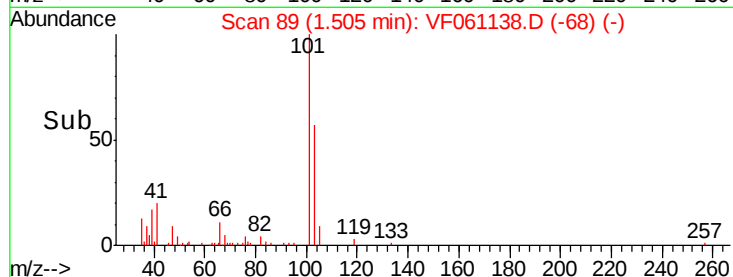
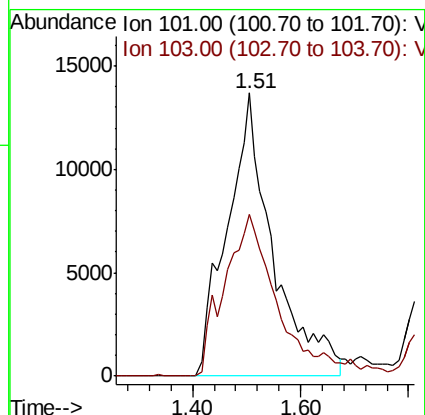
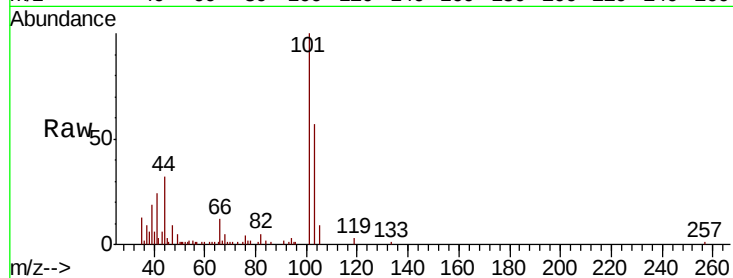
103 57.3 50.7 76.1

Manual Integrations

APPROVED

MMDadoda

12/26/2018 10:51:51 AM



#8

Diethyl Ether

Concen: 54.190 ug/l

RT: 1.64 min Scan# 103

Delta R.T. 0.02 min

Lab File: VF061138.D

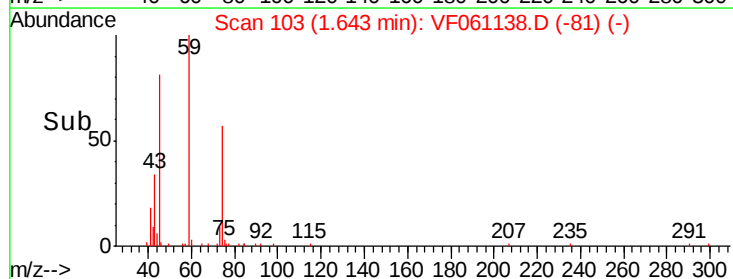
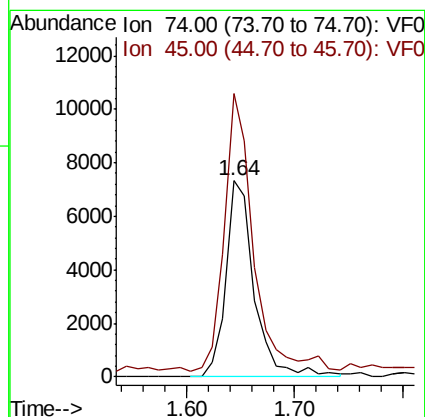
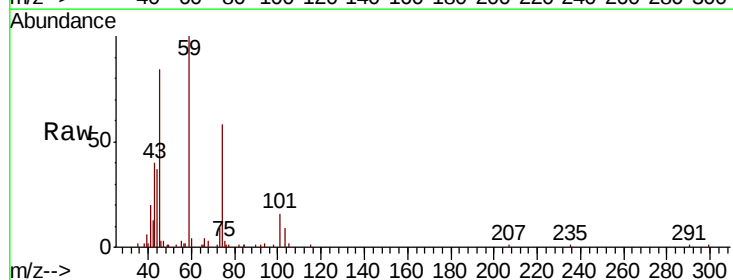
Acq: 21 Dec 2018 21:03

Tgt Ion: 74 Resp: 13359

Ion Ratio Lower Upper

74 100

45 144.4 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.996 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.01 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

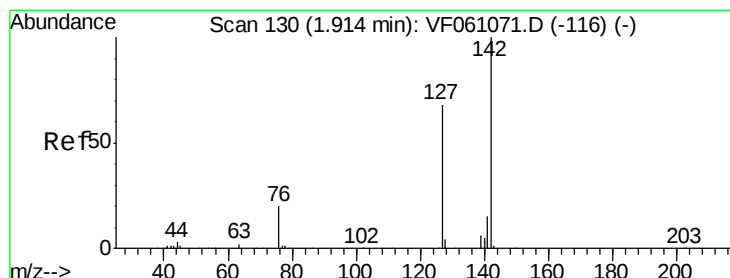
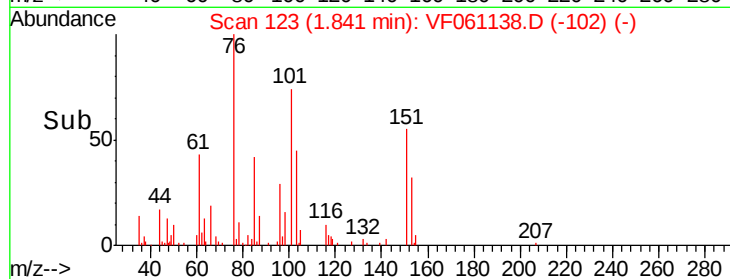
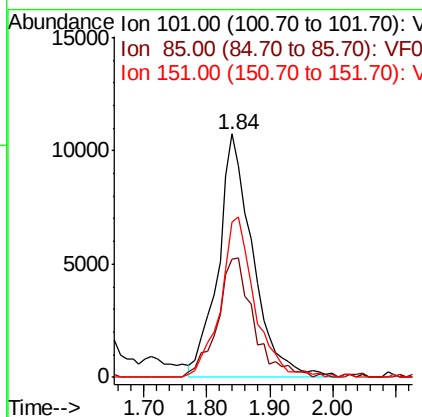
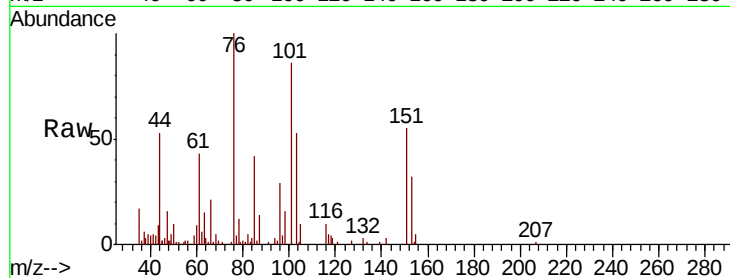
ClientSampleId :

P001-SD006-0612-01MSD

Tgt Ion:	101	Resp:	41066
Ion Ratio	Lower	Upper	
101	100		
85	48.8	44.5	66.7
151	63.8	49.9	74.9

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#10

Methyl Iodide

Concen: 40.918 ug/l

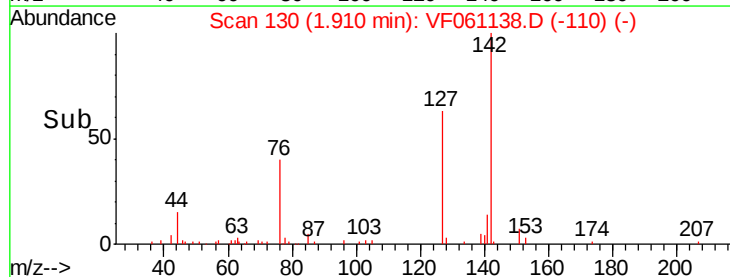
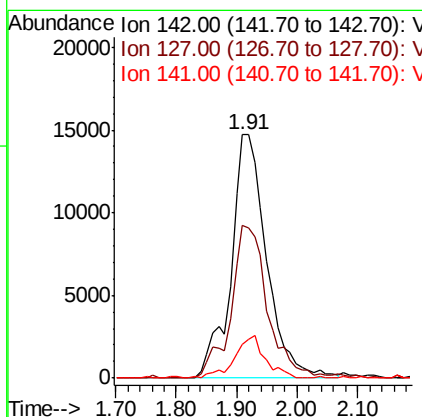
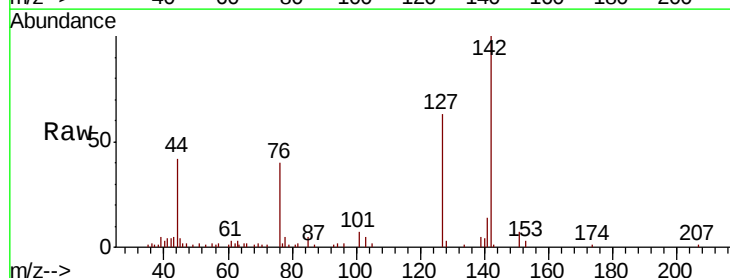
RT: 1.91 min Scan# 130

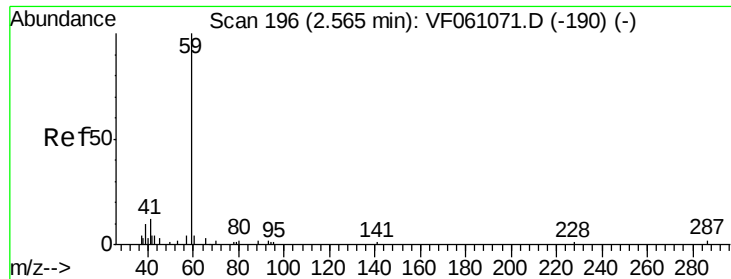
Delta R.T. -0.00 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Tgt Ion:	142	Resp:	60204
Ion Ratio	Lower	Upper	
142	100		
127	62.5	54.7	82.1
141	14.0	12.2	18.2





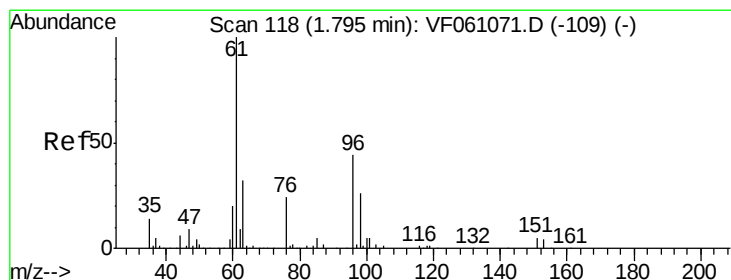
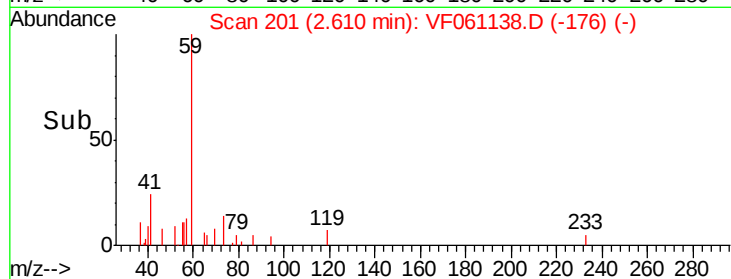
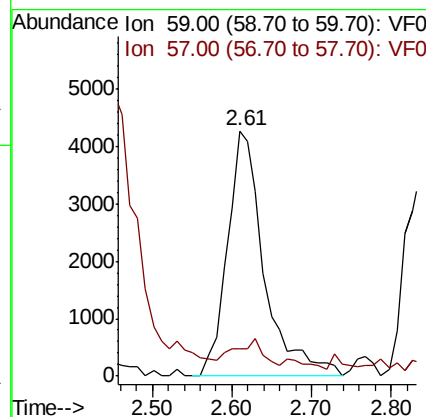
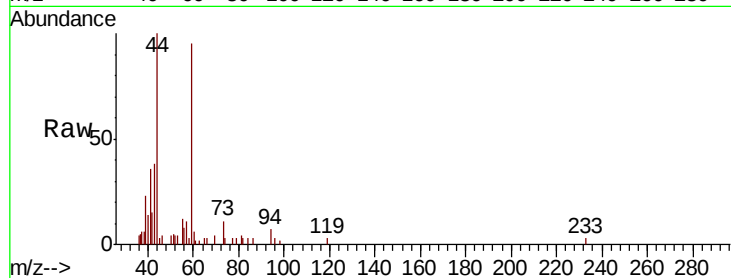
#11
Tert butyl alcohol
Concen: 333.785 ug/l
RT: 2.61 min Scan# 201
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

Tgt Ion: 59 Resp: 13828
Ion Ratio Lower Upper
59 100
57 11.4 11.5 17.3#

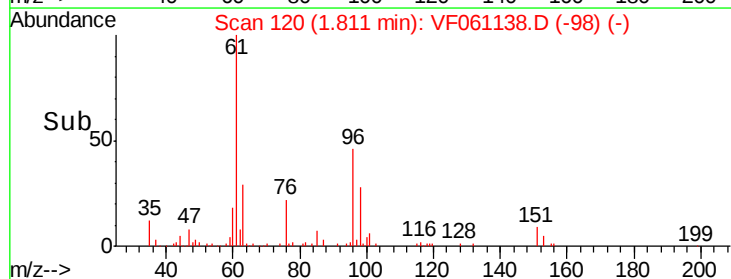
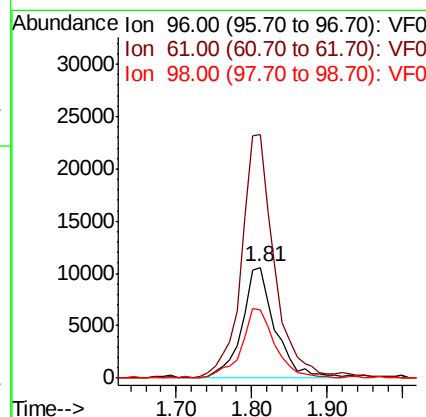
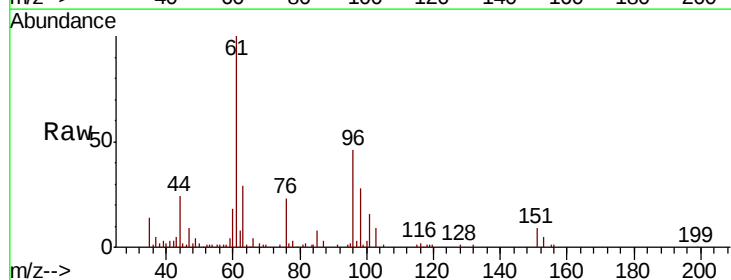
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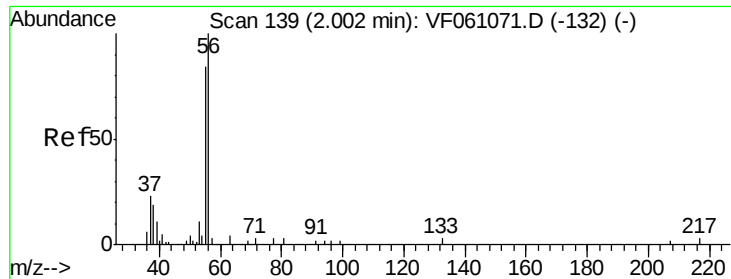
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#12
1,1-Dichloroethene
Concen: 45.453 ug/l
RT: 1.81 min Scan# 120
Delta R.T. 0.02 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion: 96 Resp: 31981
Ion Ratio Lower Upper
96 100
61 219.8 182.0 273.0
98 61.4 46.5 69.7





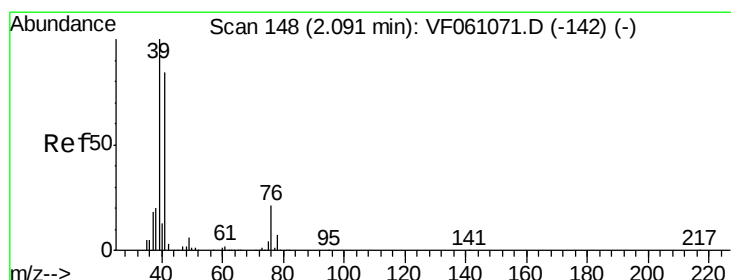
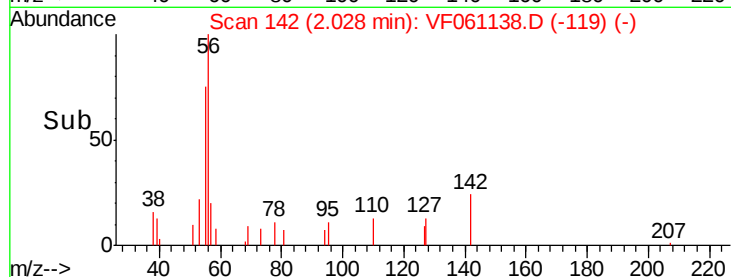
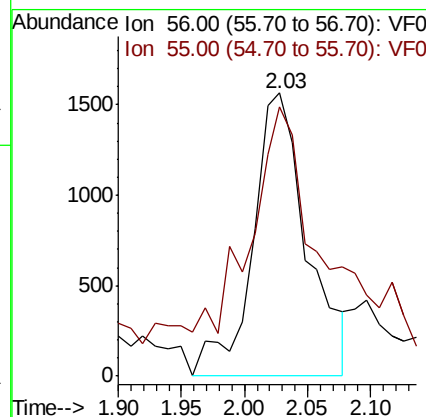
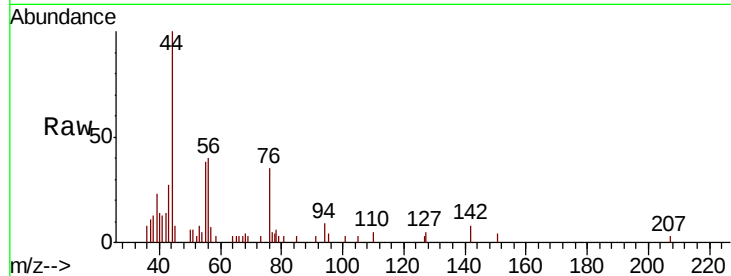
#13
Acrolein
Concen: 157.305 ug/l
RT: 2.03 min Scan# 142
Delta R.T. 0.03 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

Tgt Ion: 56 Resp: 4709
Ion Ratio Lower Upper
56 100
55 95.0 70.2 105.2

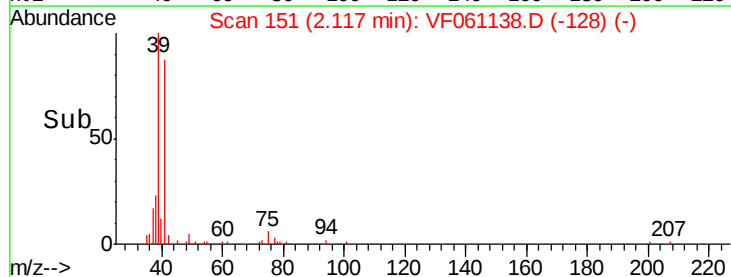
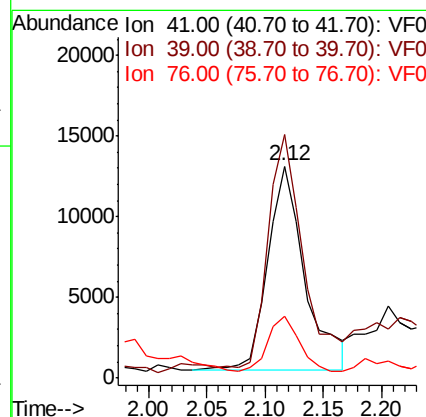
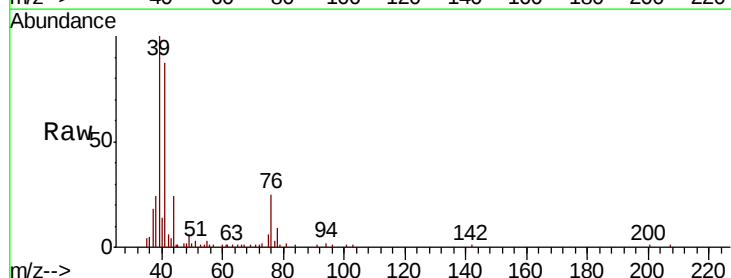
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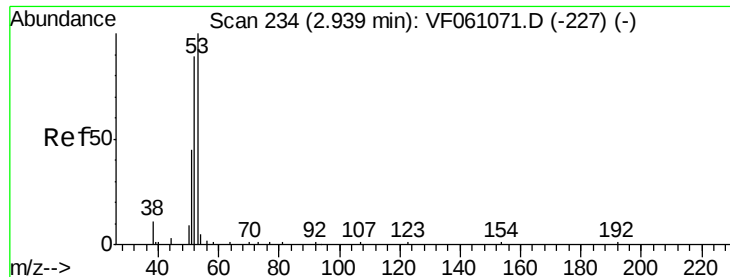
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#14
Allyl chloride
Concen: 37.837 ug/l
RT: 2.12 min Scan# 151
Delta R.T. 0.03 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion: 41 Resp: 27705
Ion Ratio Lower Upper
41 100
39 114.9 96.4 144.6
76 29.0 25.4 38.0





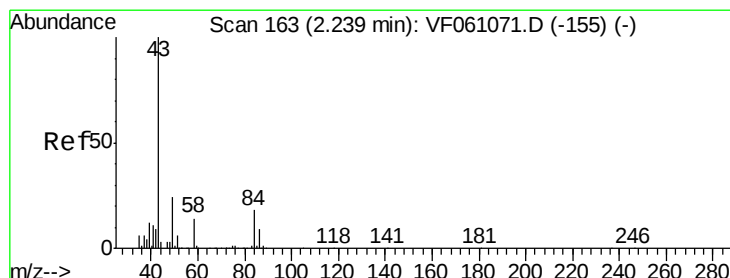
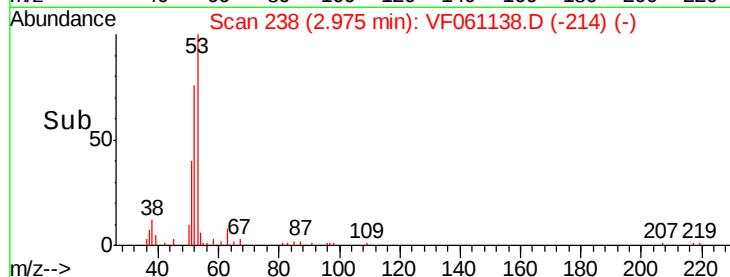
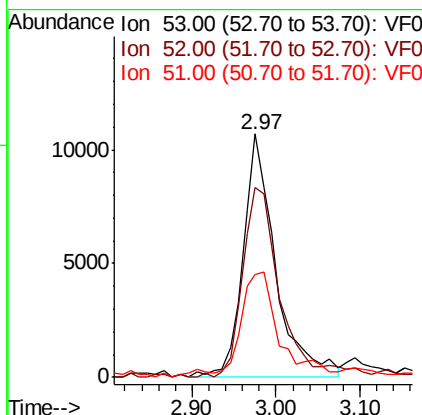
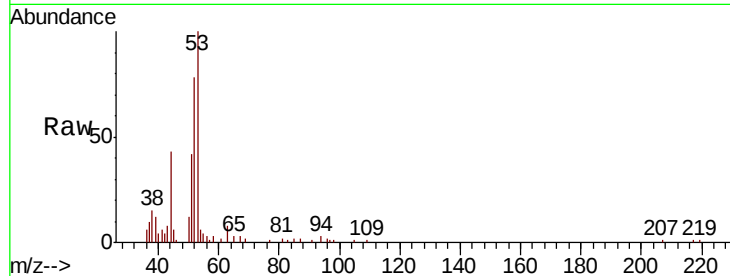
#15
Acrylonitrile
Concen: 301.762 ug/l
RT: 2.97 min Scan# 238
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

Tgt Ion	Ratio	Lower	Upper
53	100		
52	78.0	71.3	106.9
51	42.4	36.8	55.2

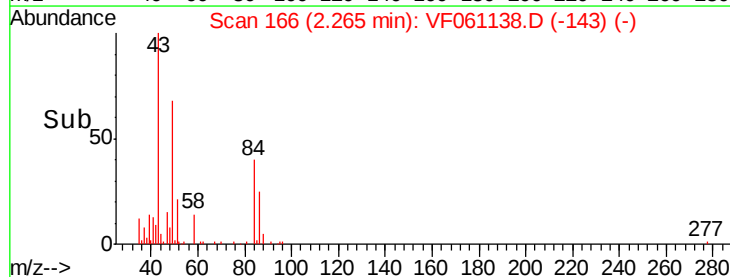
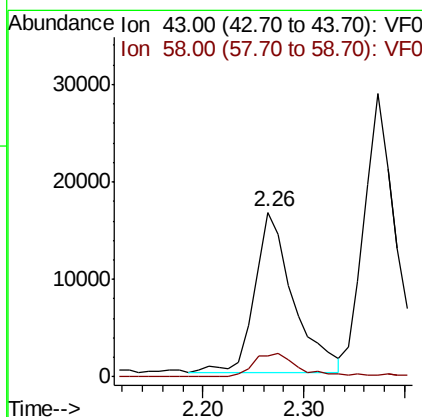
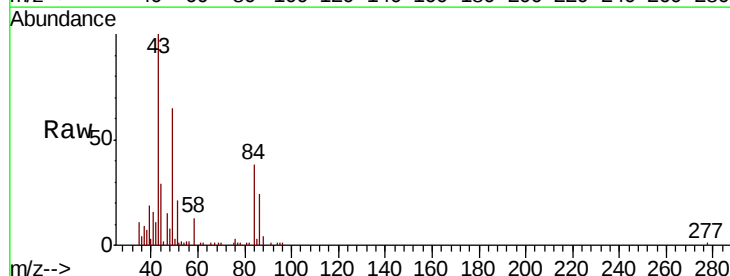
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#16
Acetone
Concen: 213.282 ug/l
RT: 2.26 min Scan# 166
Delta R.T. 0.03 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	13.2	11.1	16.7





#17

Carbon Disulfide

Concen: 41.339 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.02 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

Tgt Ion: 76 Resp: 87899

Ion Ratio Lower Upper

76 100

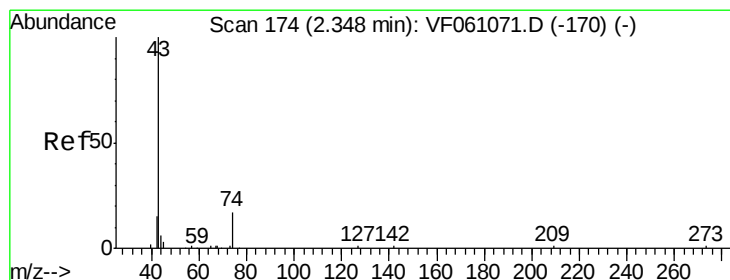
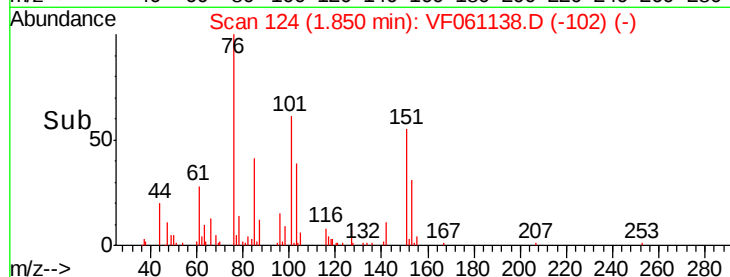
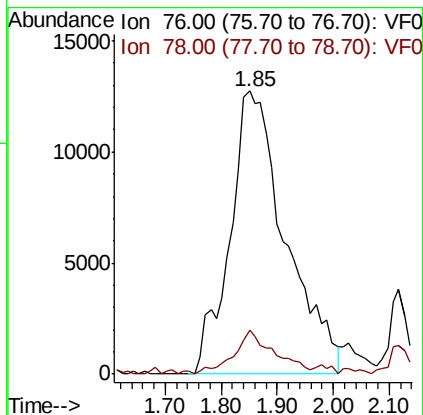
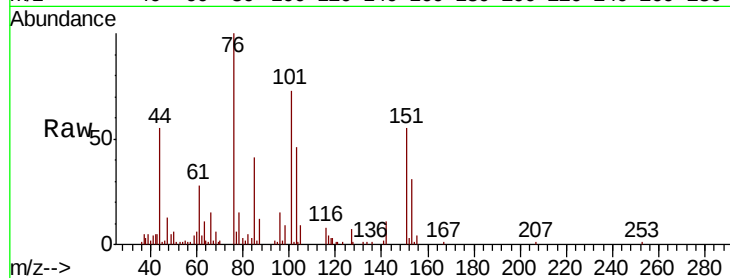
78 15.5 10.2 15.4#

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#18

Methyl Acetate

Concen: 145.081 ug/l

RT: 2.37 min Scan# 177

Delta R.T. 0.03 min

Lab File: VF061138.D

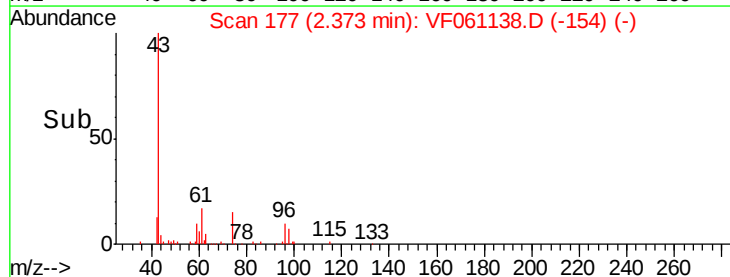
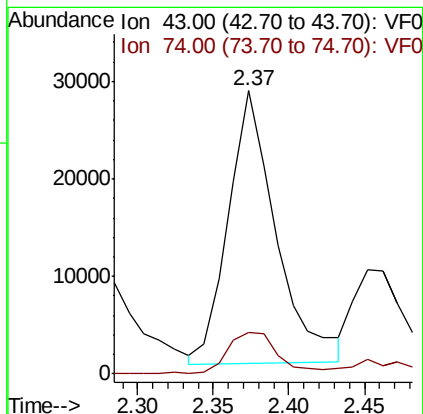
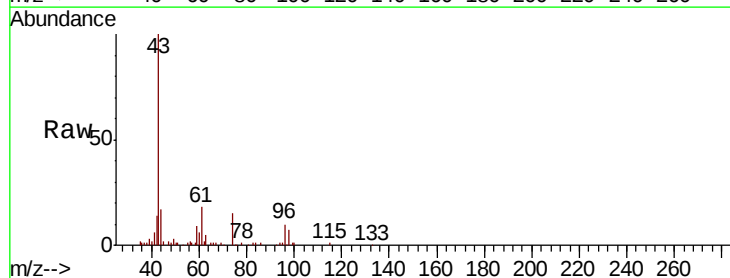
Acq: 21 Dec 2018 21:03

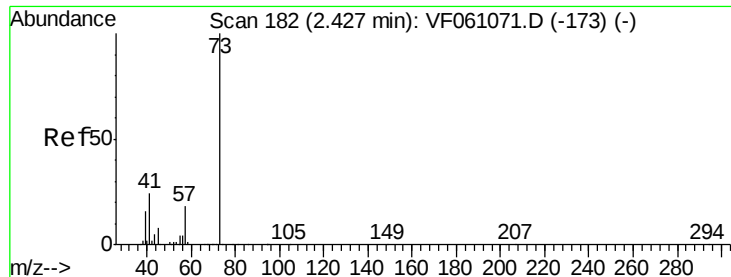
Tgt Ion: 43 Resp: 61602

Ion Ratio Lower Upper

43 100

74 14.8 11.0 16.6





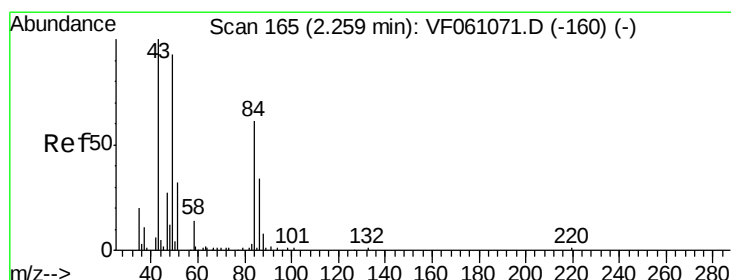
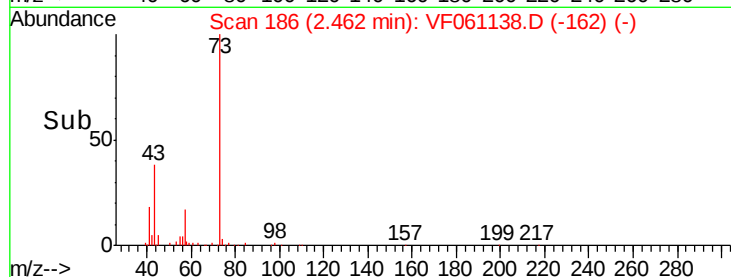
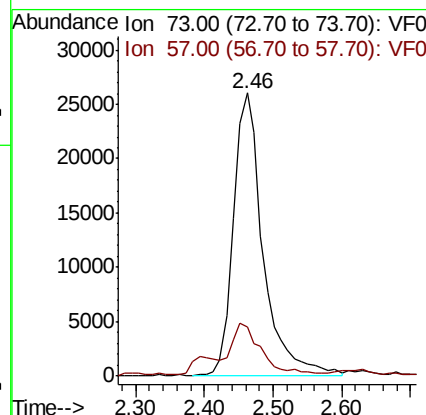
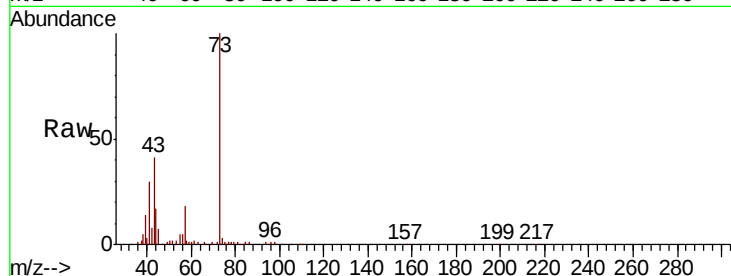
#19
Methyl tert-butyl Ether
Concen: 49.932 ug/l
RT: 2.46 min Scan# 186
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

Tgt Ion: 73 Resp: 77982
Ion Ratio Lower Upper
73 100
57 17.5 14.5 21.7

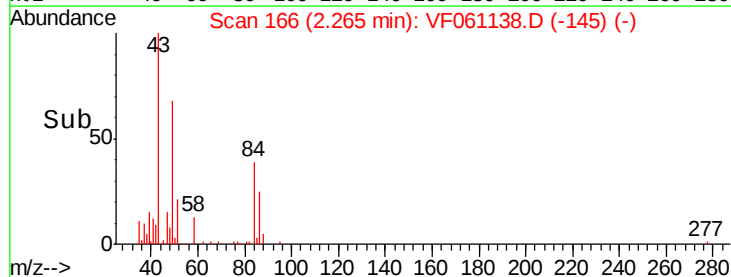
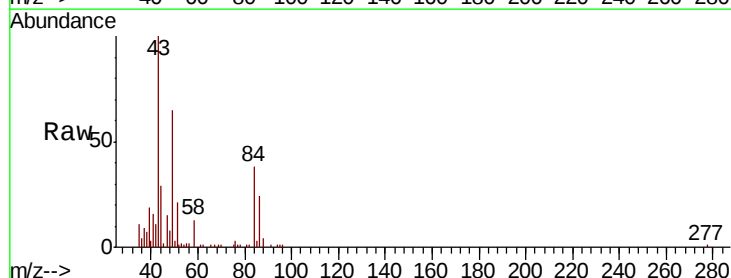
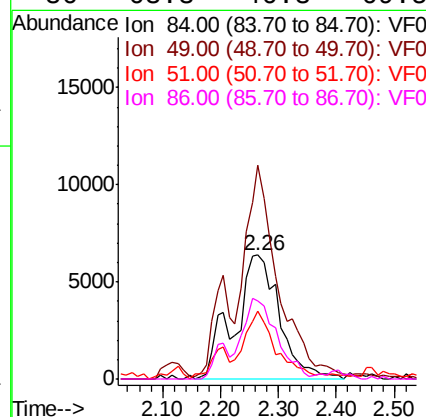
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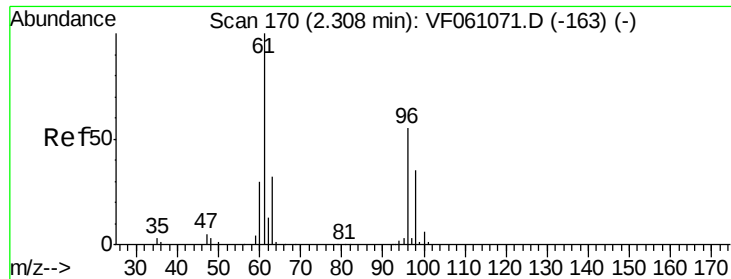
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#20
Methylene Chloride
Concen: 52.704 ug/l m
RT: 2.26 min Scan# 166
Delta R.T. 0.01 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion: 84 Resp: 34405
Ion Ratio Lower Upper
84 100
49 172.7 129.4 194.2
51 54.9 44.0 66.0
86 63.3 46.3 69.5





#21

trans-1,2-Dichloroethene

Concen: 42.623 ug/l m

RT: 2.33 min Scan# 173

Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

Tgt Ion: 96 Resp: 32076

Ion Ratio Lower Upper

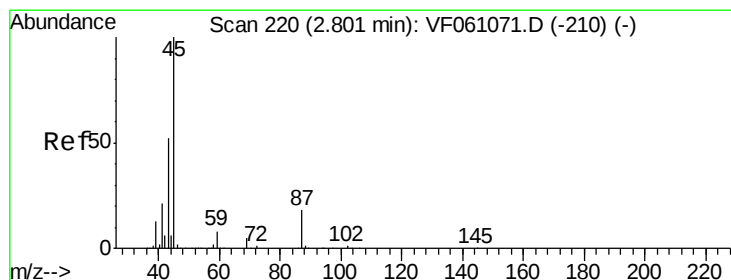
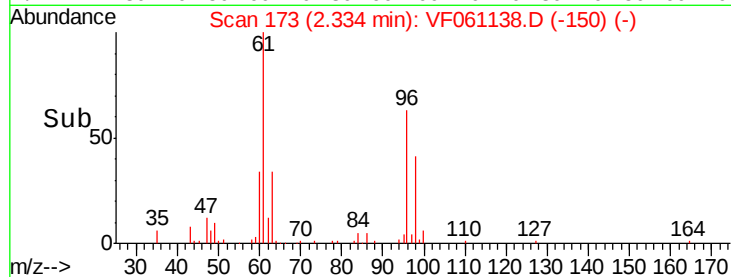
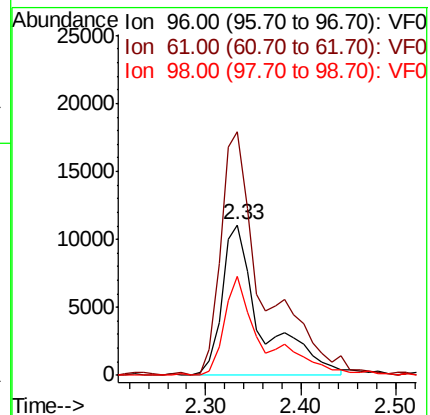
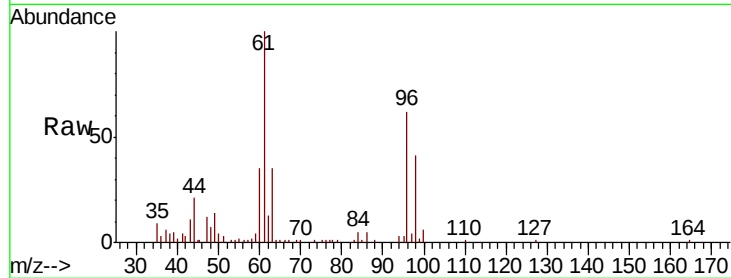
96 100

61 161.5 146.0 219.0

98 65.4 51.6 77.4

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#22

Diisopropyl ether

Concen: 46.461 ug/l

RT: 2.83 min Scan# 223

Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Tgt Ion: 45 Resp: 113318

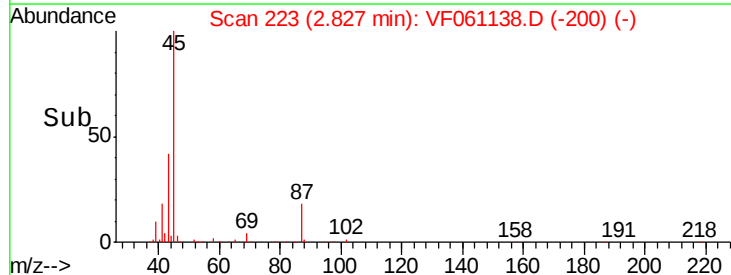
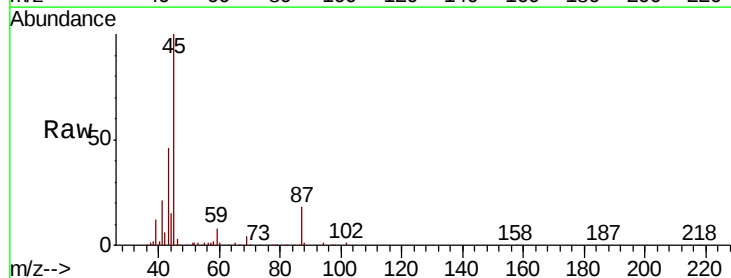
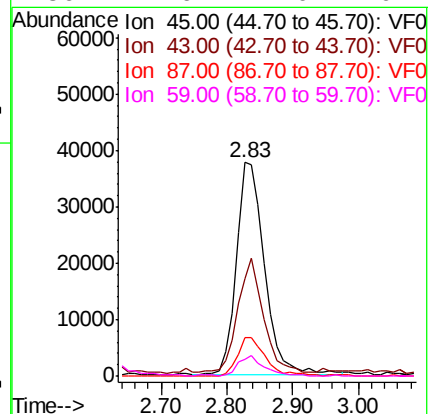
Ion Ratio Lower Upper

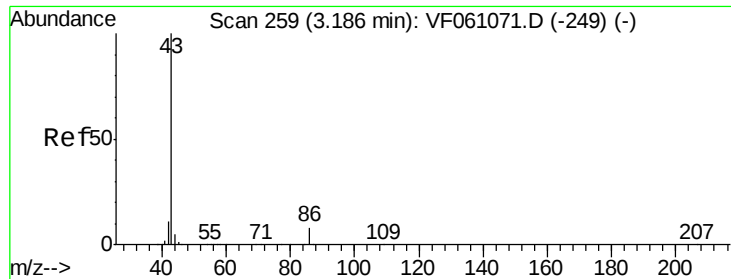
45 100

43 45.7 42.2 63.2

87 18.1 14.6 22.0

59 7.6 7.0 10.4





#23

Vinyl Acetate

Concen: 49.550 ug/l

RT: 3.23 min Scan# 264

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

Tgt Ion: 43 Resp: 55752

Ion Ratio Lower Upper

43 100

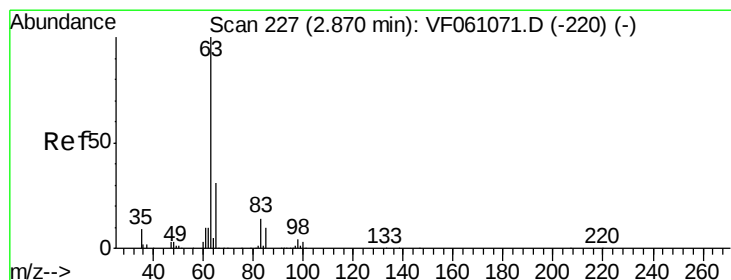
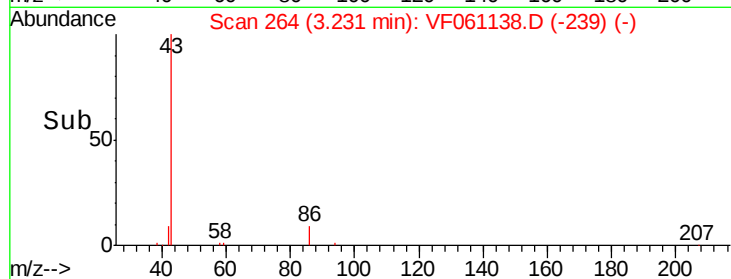
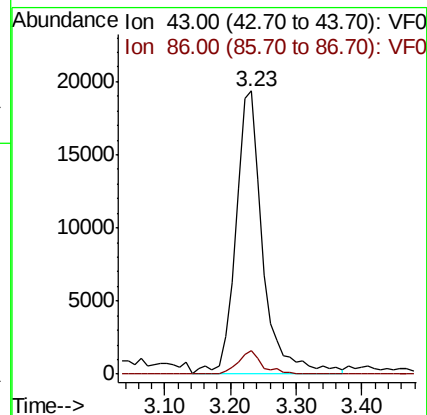
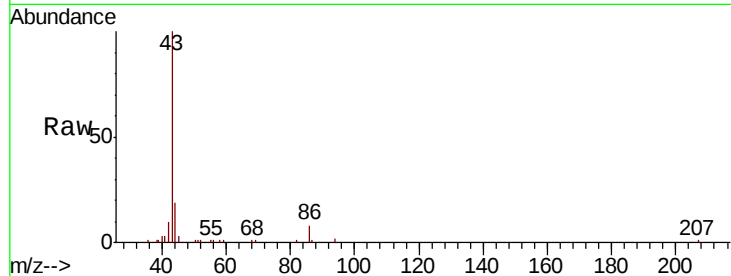
86 8.3 6.3 9.5

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#24

1,1-Dichloroethane

Concen: 45.249 ug/l

RT: 2.90 min Scan# 230

Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

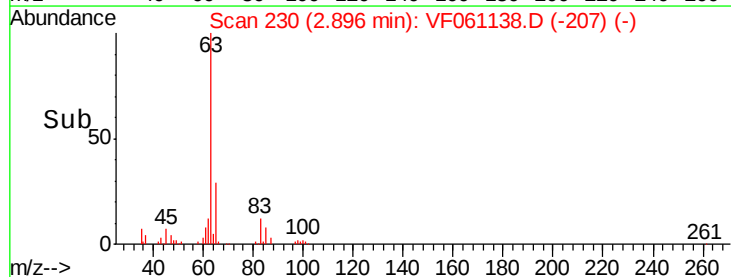
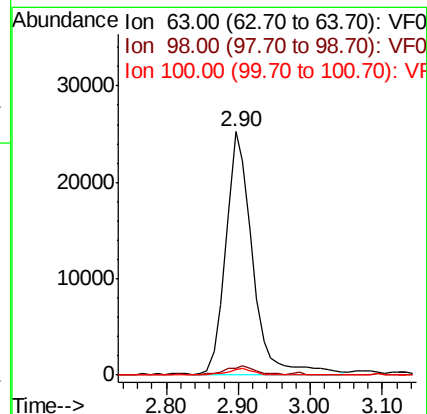
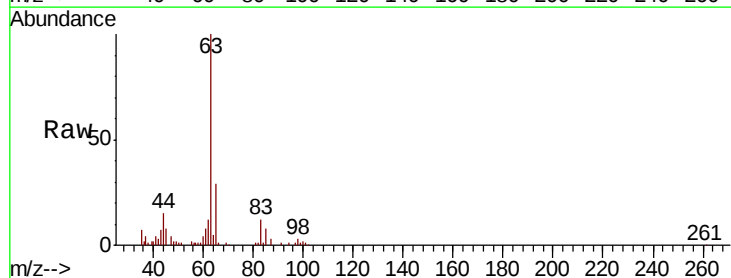
Tgt Ion: 63 Resp: 65390

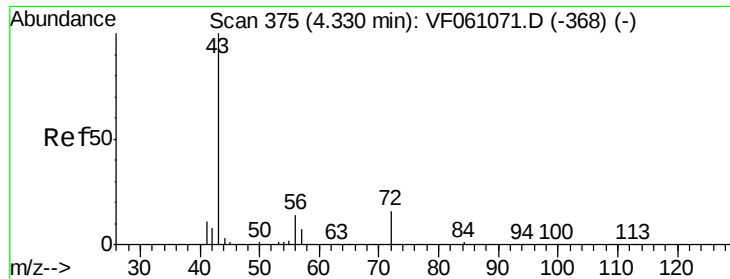
Ion Ratio Lower Upper

63 100

98 2.7 2.1 6.5

100 2.3 1.7 5.1





#25

2-Butanone

Concen: 273.854 ug/l

RT: 4.39 min Scan# 381

Delta R.T. 0.06 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

Tgt Ion: 43 Resp: 91151

Ion Ratio Lower Upper

43 100

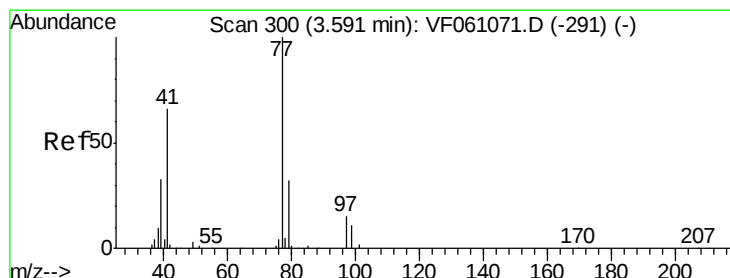
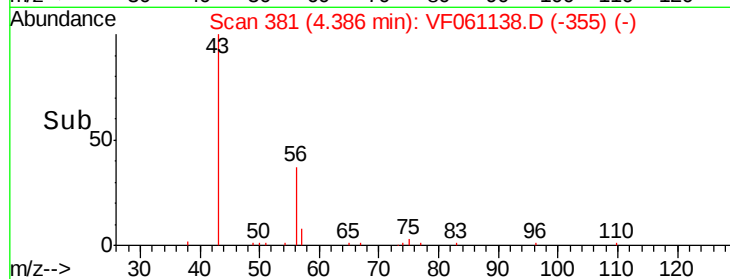
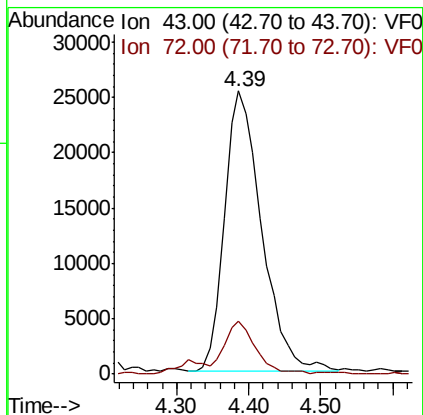
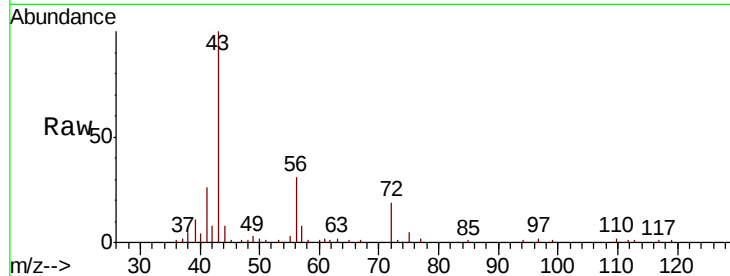
72 18.6 15.6 23.4

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#26

2,2-Dichloropropane

Concen: 48.321 ug/l

RT: 3.64 min Scan# 305

Delta R.T. 0.05 min

Lab File: VF061138.D

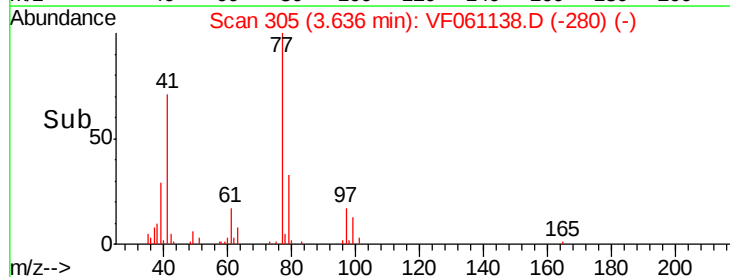
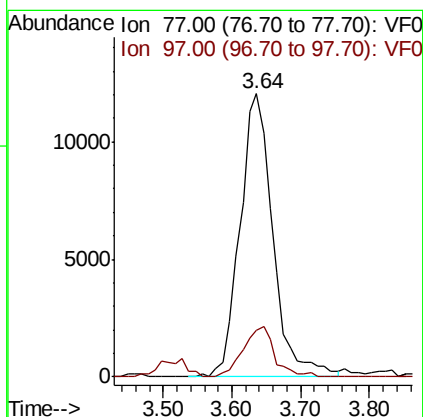
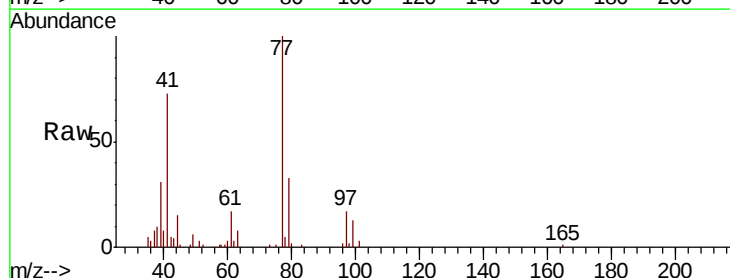
Acq: 21 Dec 2018 21:03

Tgt Ion: 77 Resp: 40073

Ion Ratio Lower Upper

77 100

97 16.6 8.2 24.4





#27

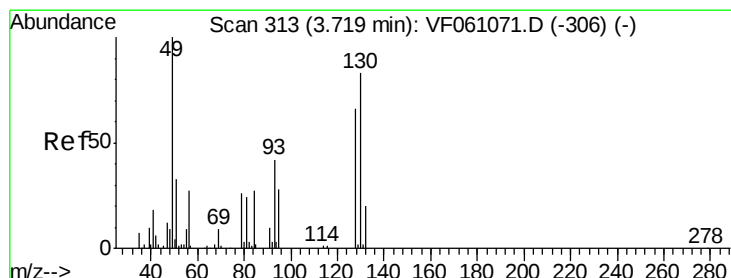
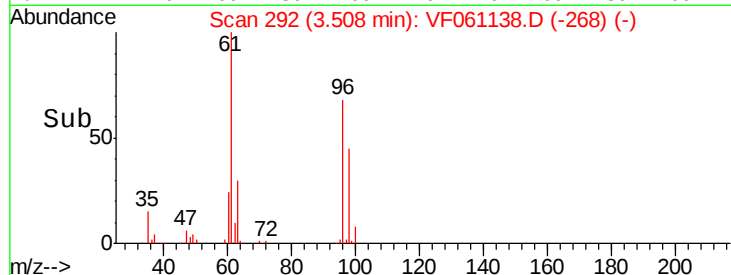
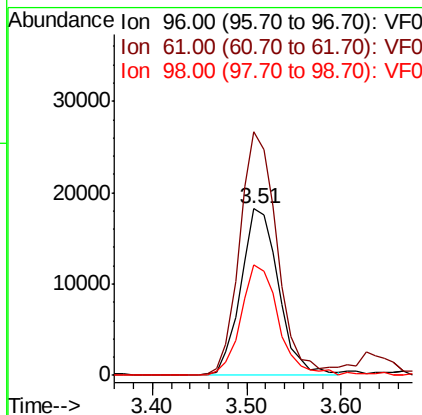
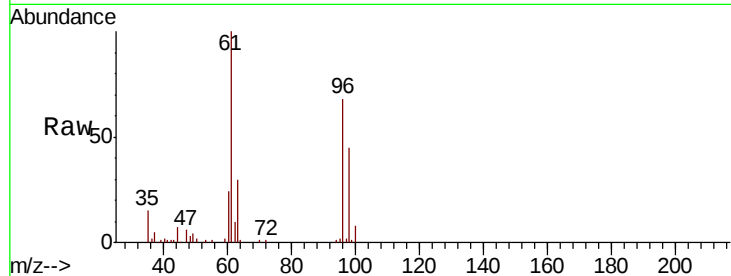
cis-1,2-Dichloroethene
Concen: 44.012 ug/l
RT: 3.51 min Scan# 292
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
96	100	50706		
61	146.3	0.0	287.8	
98	66.0	0.0	134.2	

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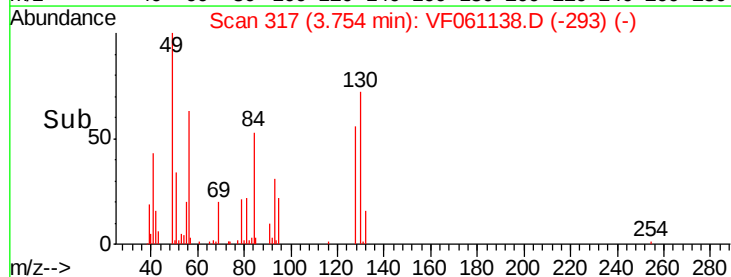
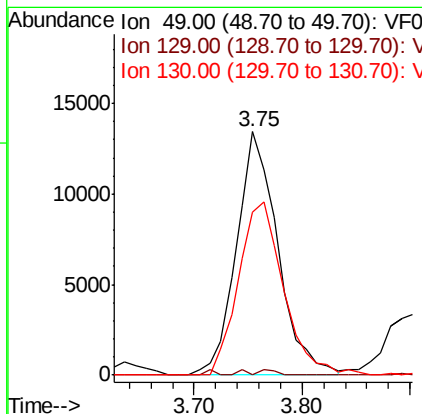
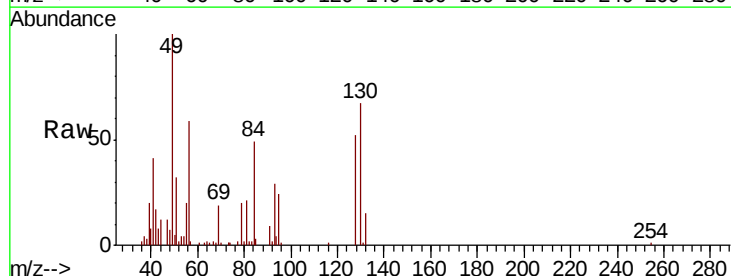
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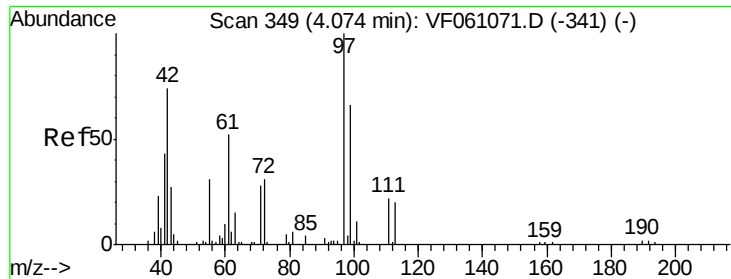


#28

Bromochloromethane
Concen: 48.720 ug/l
RT: 3.75 min Scan# 317
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	35724		
129	0.0	0.0	3.6	
130	67.1	65.8	98.6	





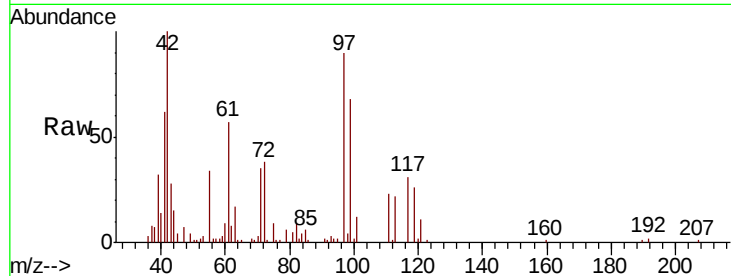
#29
Tetrahydrofuran
Concen: 320.872 ug/l
RT: 4.12 min Scan# 354
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

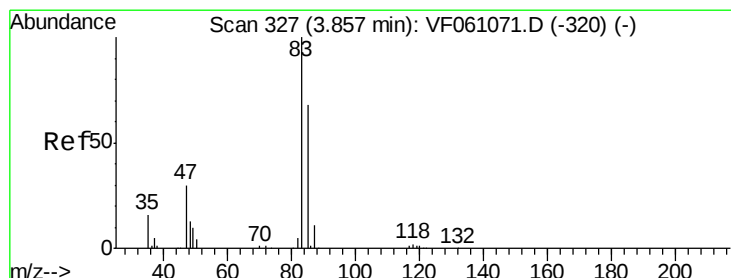
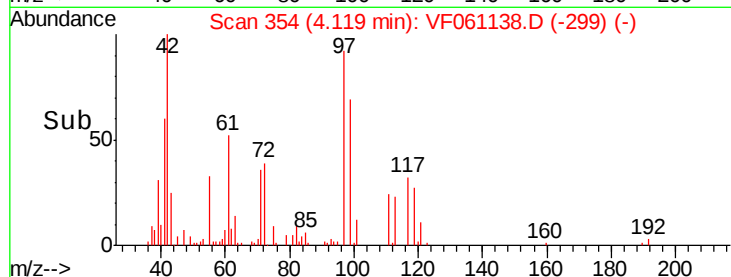
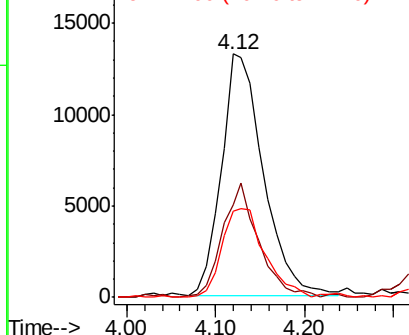
Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.1	31.8	47.8
71	37.4	29.7	44.5

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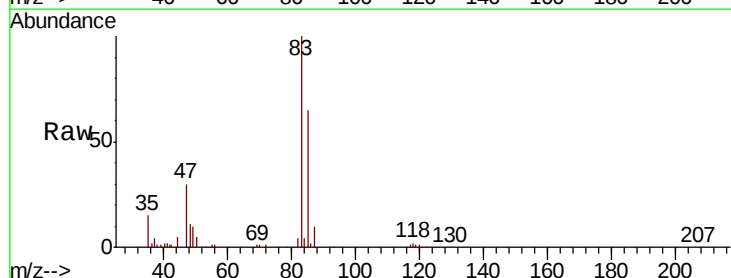


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

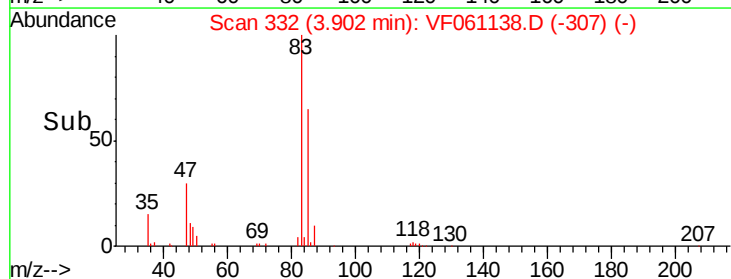
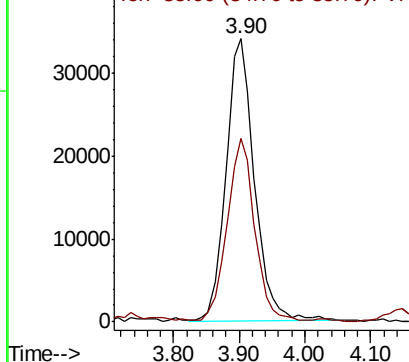


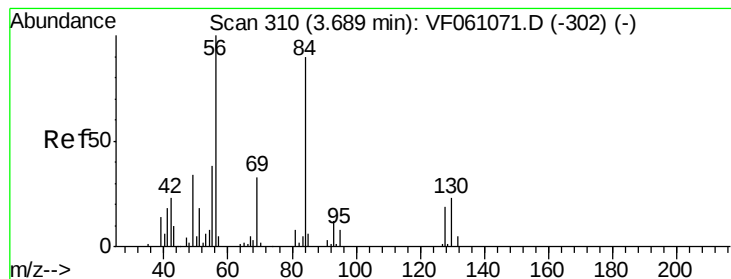
#30
Chloroform
Concen: 47.280 ug/l
RT: 3.90 min Scan# 332
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	54.5	81.7



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 44.890 ug/l

RT: 3.71 min Scan# 313

Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

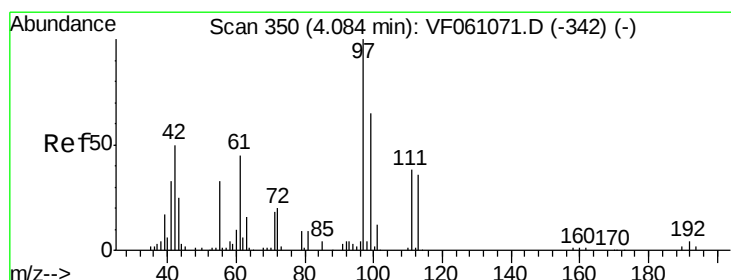
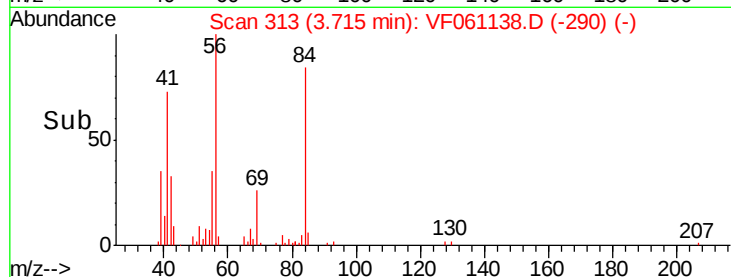
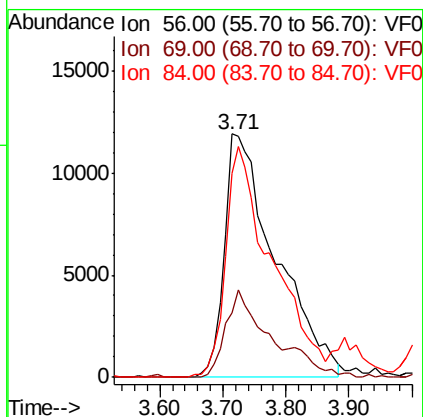
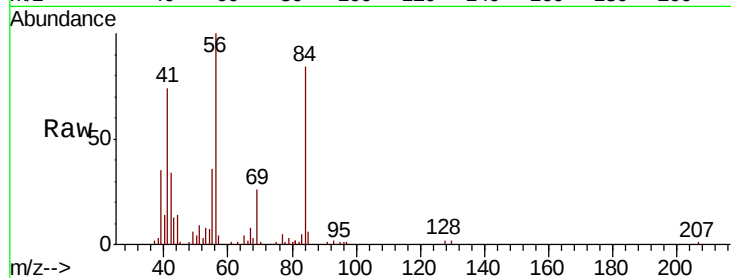
ClientSampleId :

P001-SD006-0612-01MSD

Tgt Ion:	56	Resp:	67314
Ion	Ratio	Lower	Upper
56	100		
69	26.3	26.0	39.0
84	83.7	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 52.454 ug/l

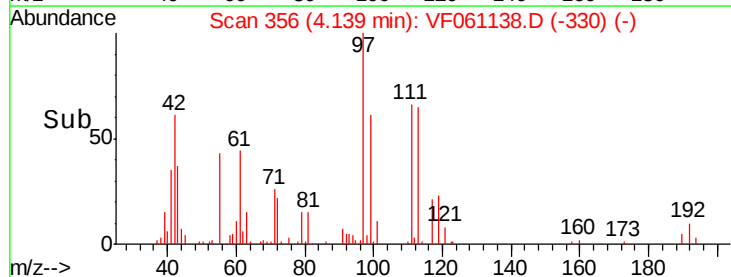
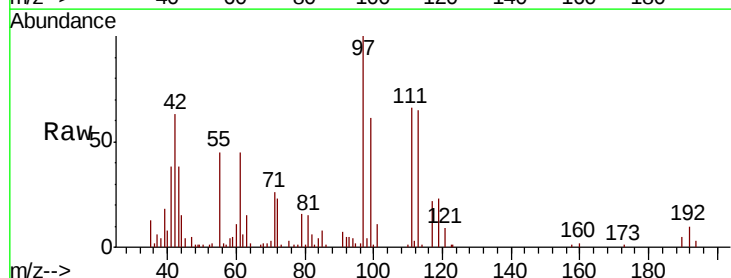
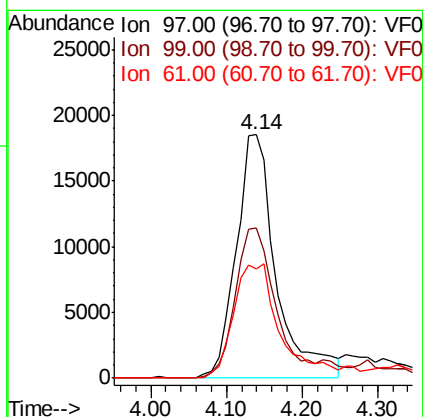
RT: 4.14 min Scan# 356

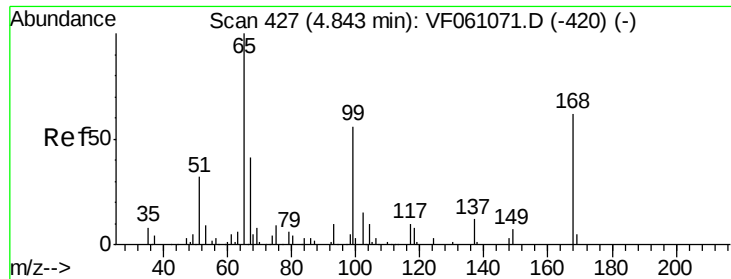
Delta R.T. 0.06 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Tgt Ion:	97	Resp:	68125
Ion	Ratio	Lower	Upper
97	100		
99	61.4	51.6	77.4
61	44.9	36.2	54.2





#33

1,2-Dichloroethane-d4

Concen: 51.539 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

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Tgt Ion: 65 Resp: 52910

Ion Ratio Lower Upper

65 100

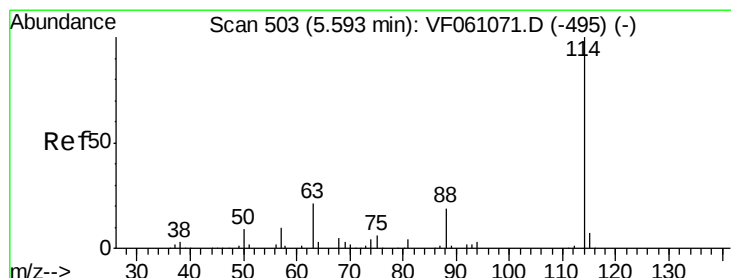
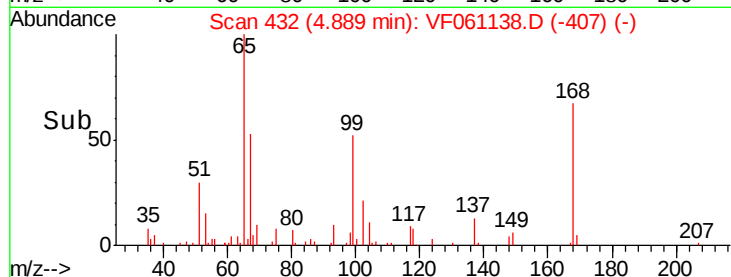
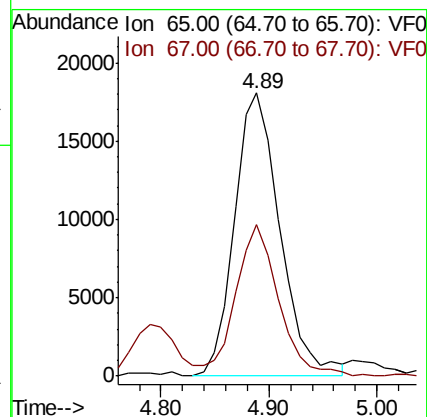
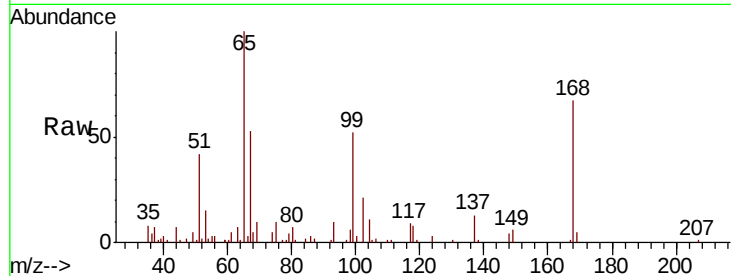
67 53.5 0.0 94.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 508

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

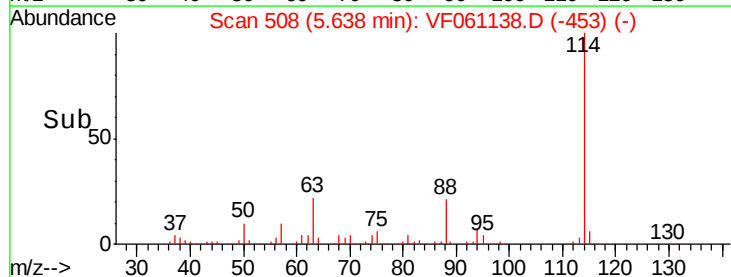
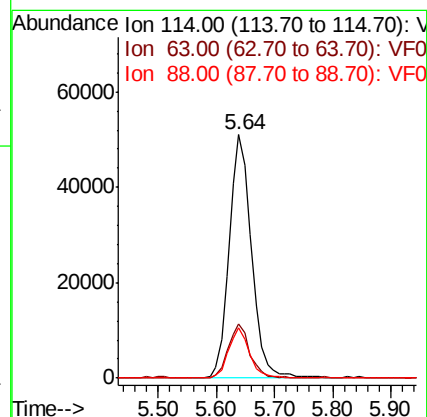
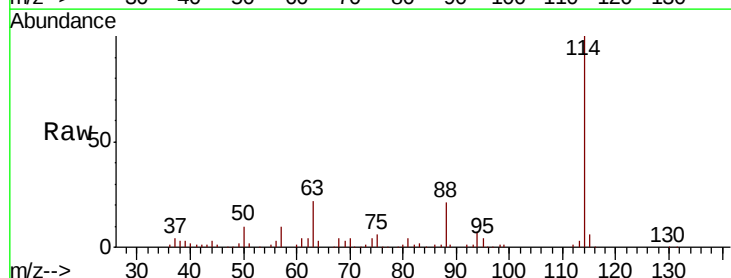
Tgt Ion: 114 Resp: 136155

Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.6

88 20.5 0.0 38.0





#35

Dibromofluoromethane

Concen: 48.252 ug/l

RT: 4.16 min Scan# 358

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

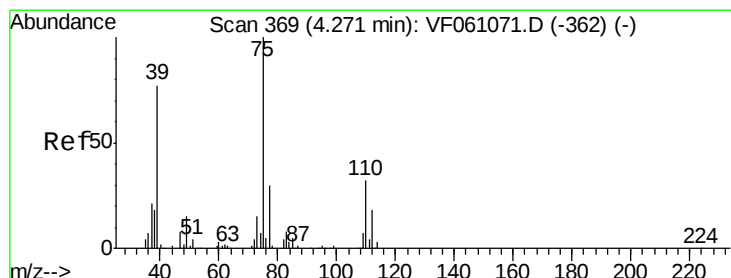
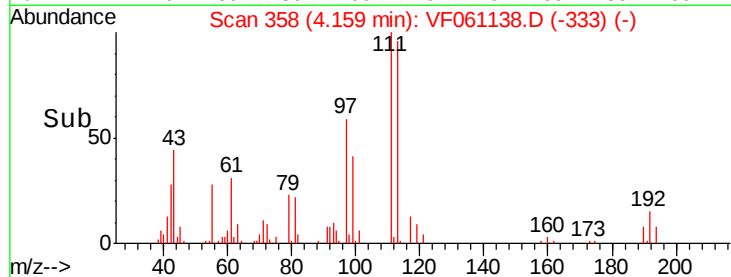
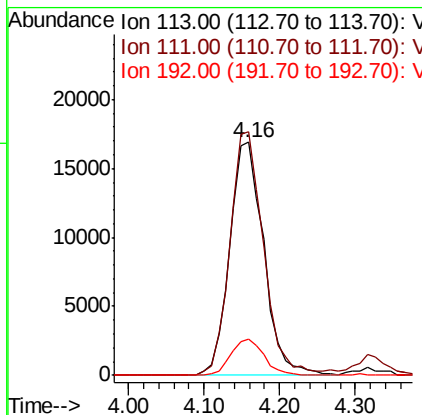
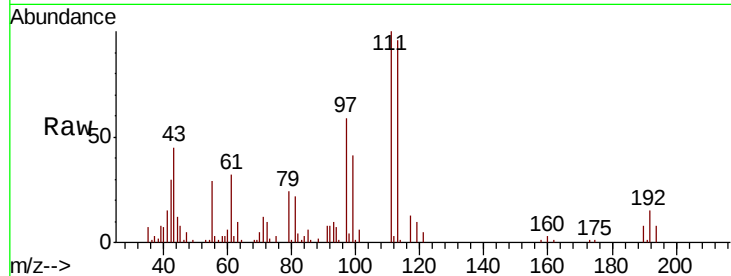
ClientSampleId :

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Tgt Ion:	113	Resp:	52627
Ion Ratio	Lower	Upper	
113	100		
111	104.5	85.2	127.8
192	15.6	12.8	19.2

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#36

1,1-Dichloropropene

Concen: 43.329 ug/l

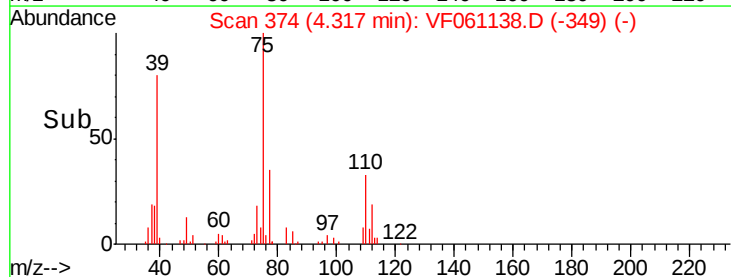
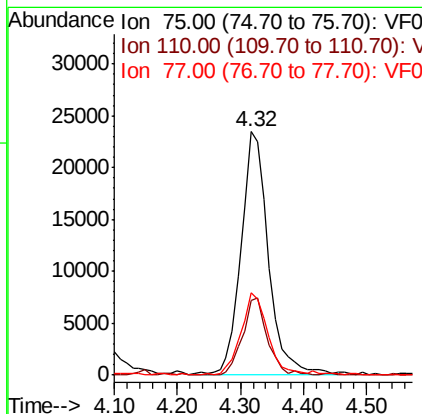
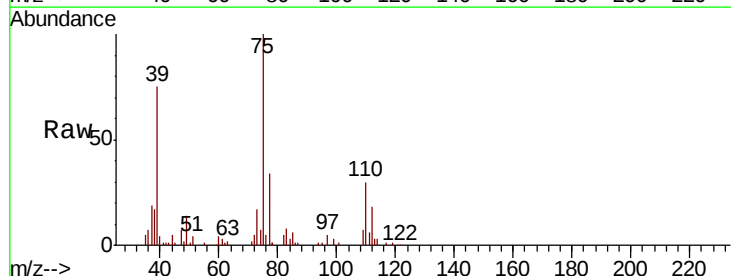
RT: 4.32 min Scan# 374

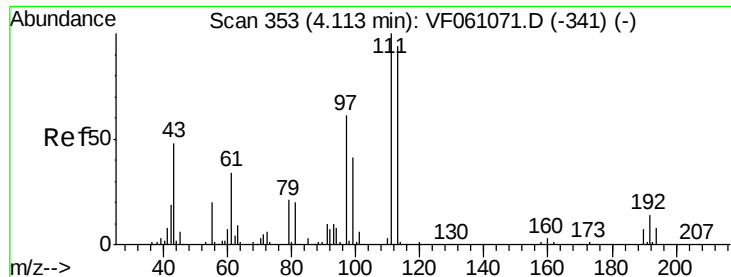
Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Tgt Ion:	75	Resp:	71211
Ion Ratio	Lower	Upper	
75	100		
110	30.5	16.1	48.2
77	33.6	24.5	36.7





#37

Ethyl Acetate

Concen: 60.804 ug/l

RT: 4.15 min Scan# 357

Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

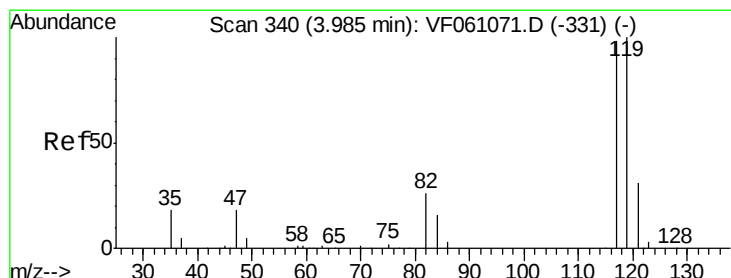
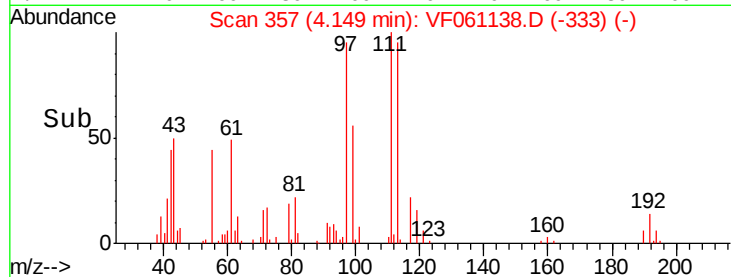
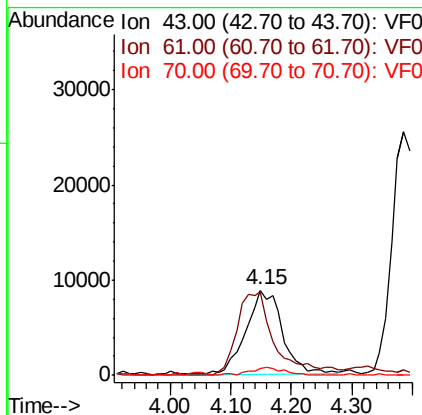
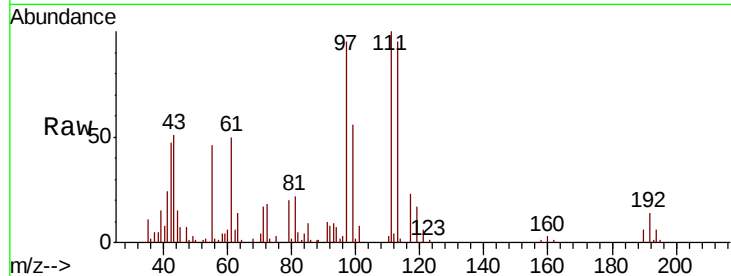
ClientSampleId :

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Tgt Ion:	43	Resp:	37391
Ion Ratio	Lower	Upper	
43	100		
61	97.8	56.6	84.8#
70	7.9	6.3	9.5

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#38

Carbon Tetrachloride

Concen: 47.194 ug/l

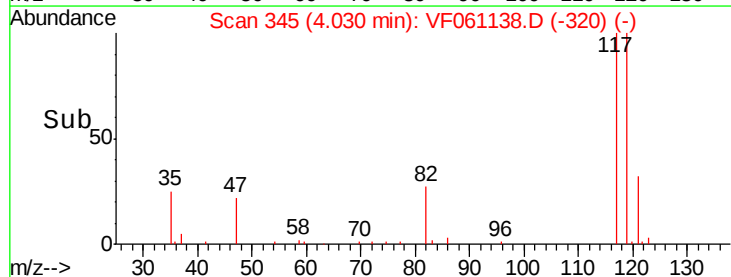
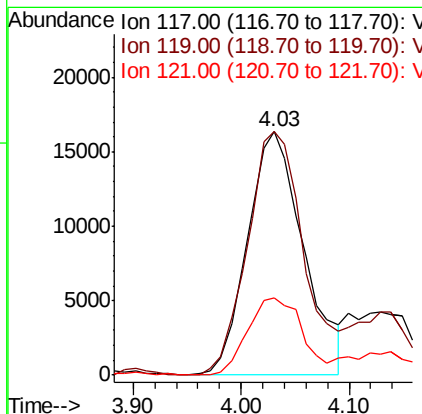
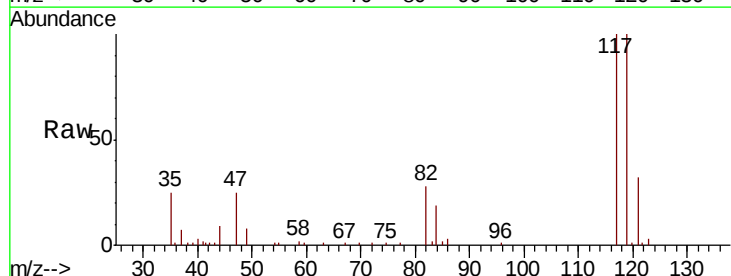
RT: 4.03 min Scan# 345

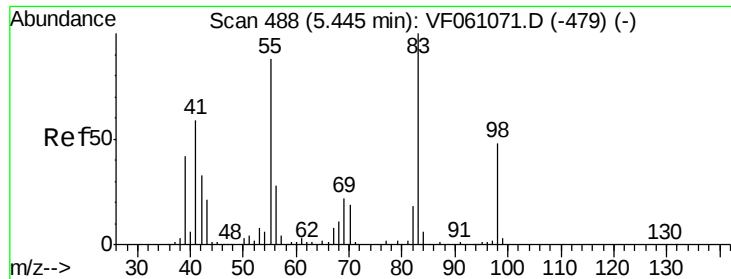
Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Tgt Ion:	117	Resp:	59067
Ion Ratio	Lower	Upper	
117	100		
119	100.0	82.1	123.1
121	32.3	25.5	38.3





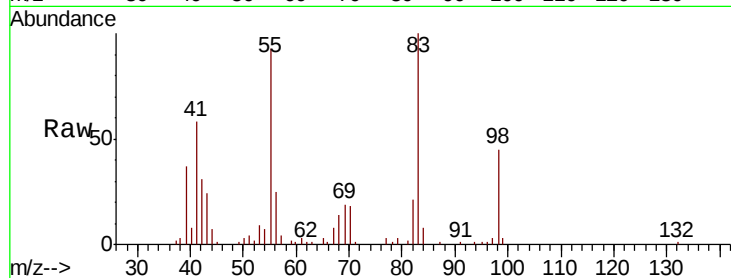
#39
Methylcyclohexane
Concen: 42.746 ug/l
RT: 5.49 min Scan# 493
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

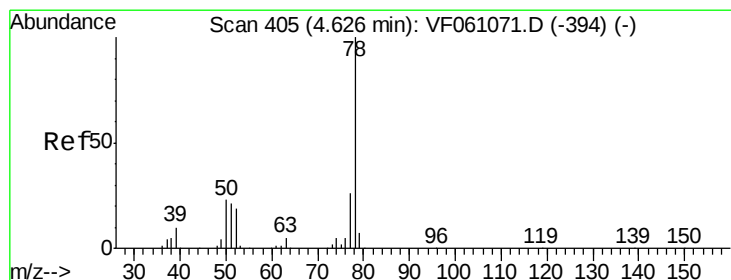
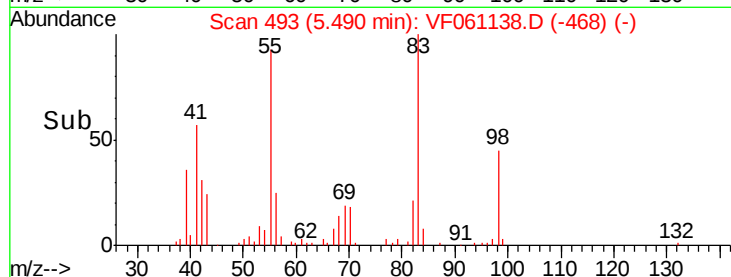
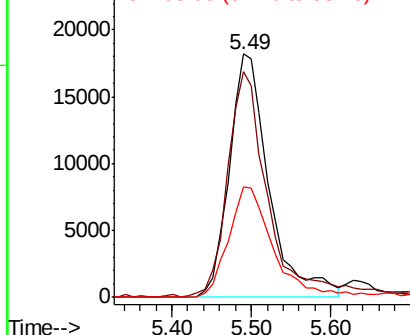
Tgt Ion	Ratio	Lower	Upper
83	100		
55	92.8	70.6	105.8
98	45.2	38.5	57.7

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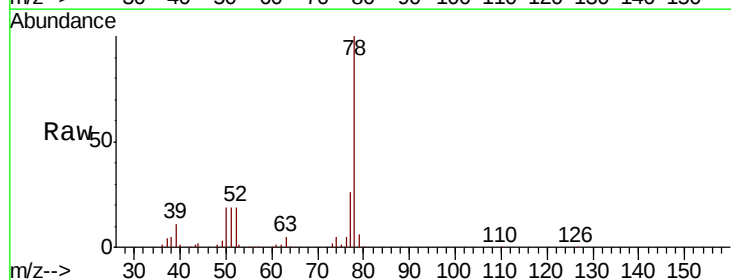


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

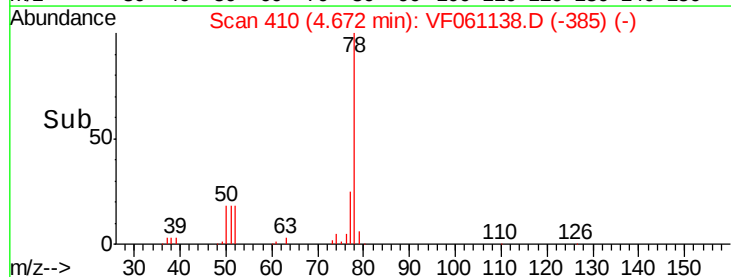
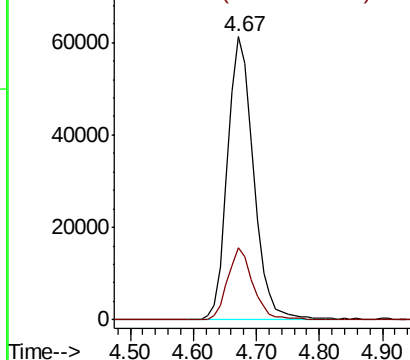


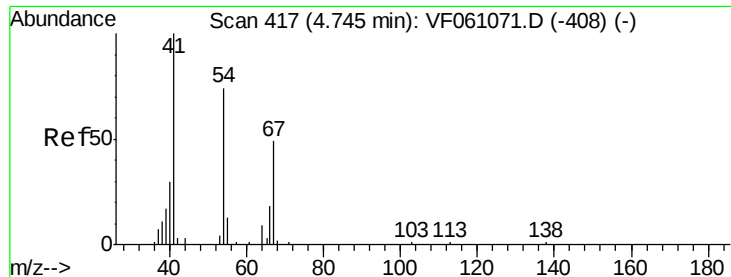
#40
Benzene
Concen: 49.598 ug/l
RT: 4.67 min Scan# 410
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	20.7	31.1



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0





#41

Methacrylonitrile

Concen: 60.181 ug/l

RT: 4.79 min Scan# 422

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

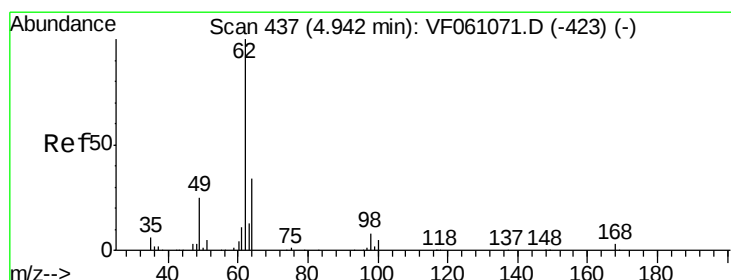
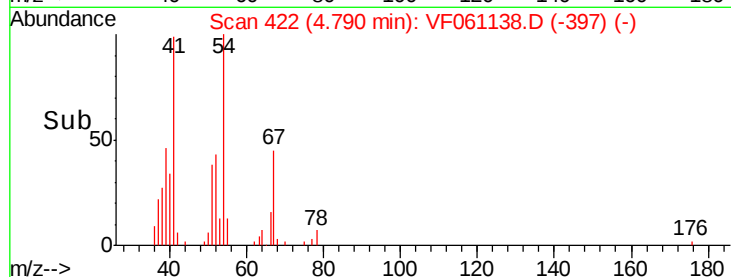
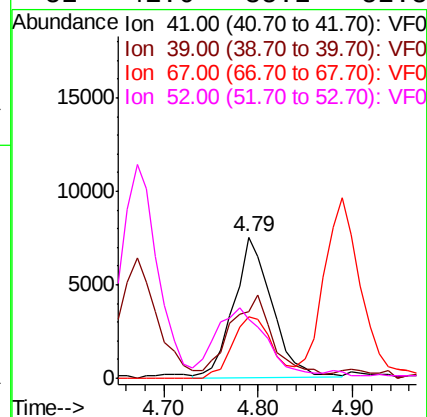
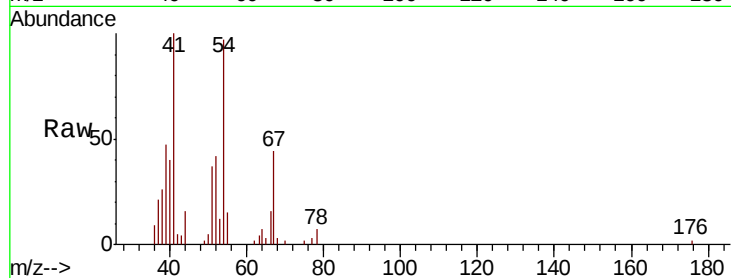
ClientSampleId :

P001-SD006-0612-01MSD

Tgt Ion	Ratio	Lower	Upper
41	100		
39	47.1	45.7	68.5
67	43.6	38.9	58.3
52	41.6	35.2	52.8

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 48.021 ug/l

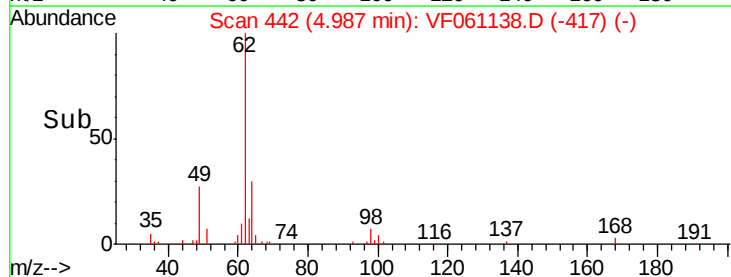
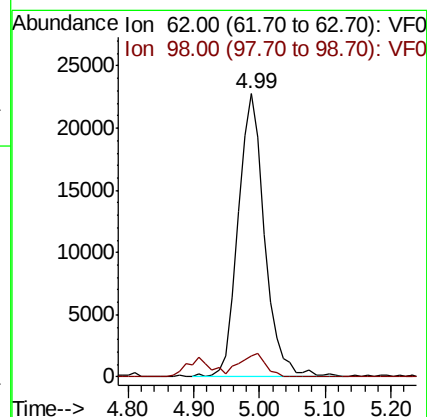
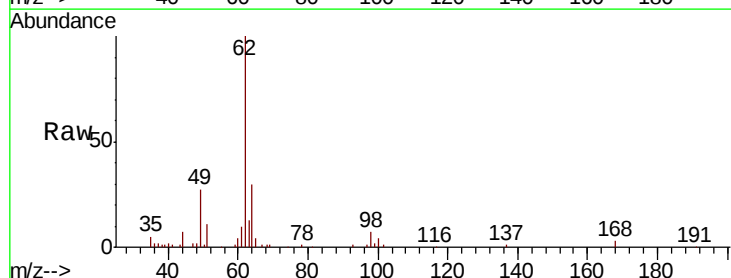
RT: 4.99 min Scan# 442

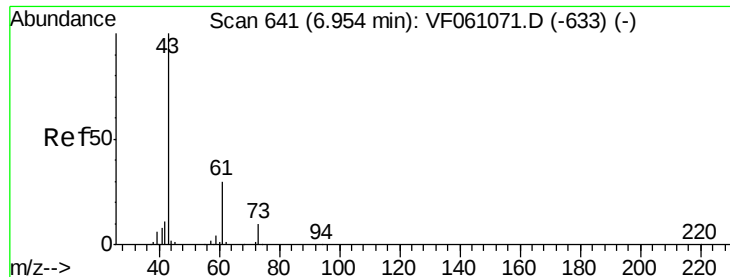
Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	16.6





#43

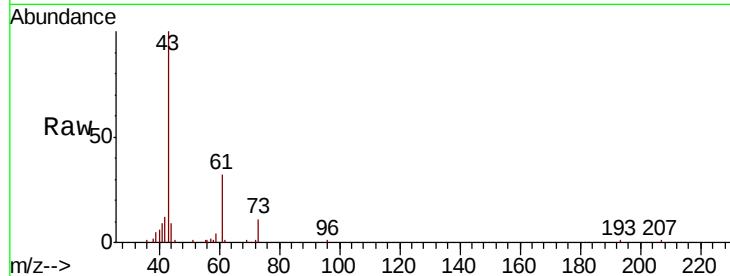
Isopropyl Acetate
 Concen: 49.392 ug/l
 RT: 7.00 min Scan# 646
 Delta R.T. 0.05 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MSD

Tgt Ion	Ratio	Lower	Upper
43	100		
61	31.8	23.8	35.8
87	0.0	0.0	0.0

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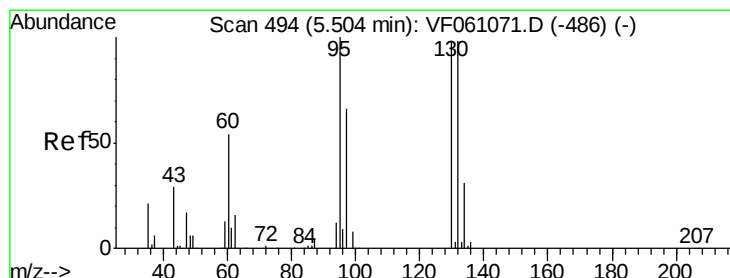
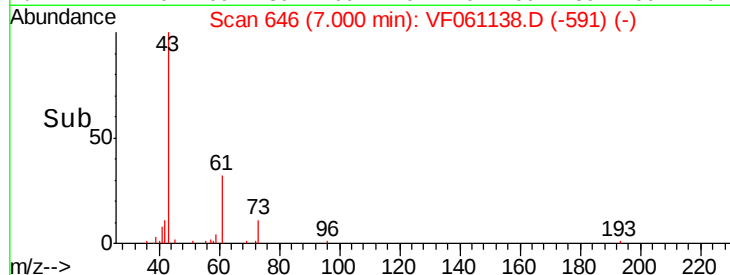
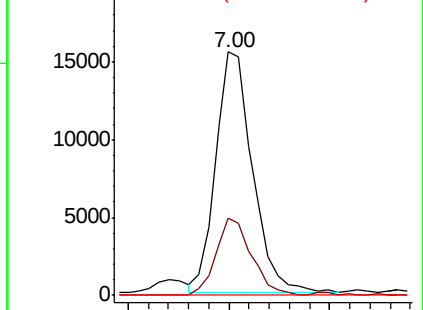


Abundance

Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

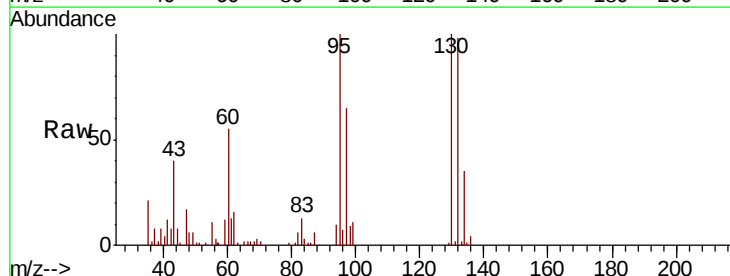
Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene
 Concen: 44.308 ug/l
 RT: 5.55 min Scan# 499
 Delta R.T. 0.05 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

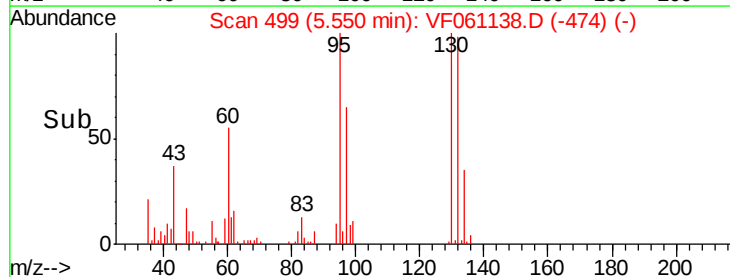
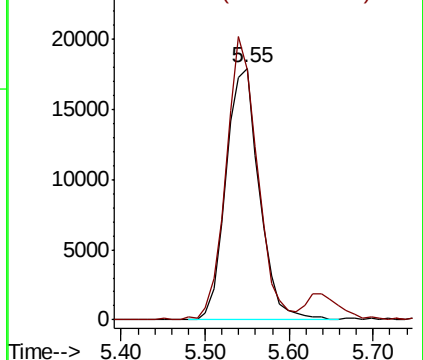
Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	205.2



Abundance

Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 46.947 ug/l

RT: 6.28 min Scan# 573

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

Tgt Ion: 63 Resp: 45143

Ion Ratio Lower Upper

63 100

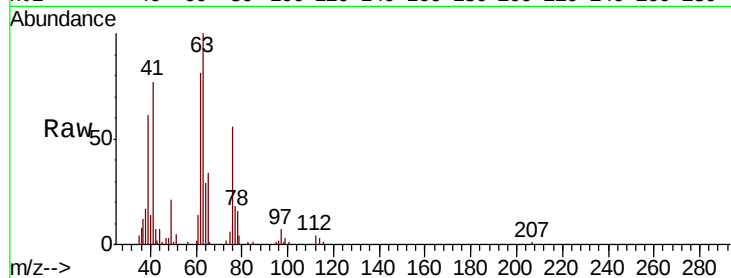
65 34.0 24.4 36.6

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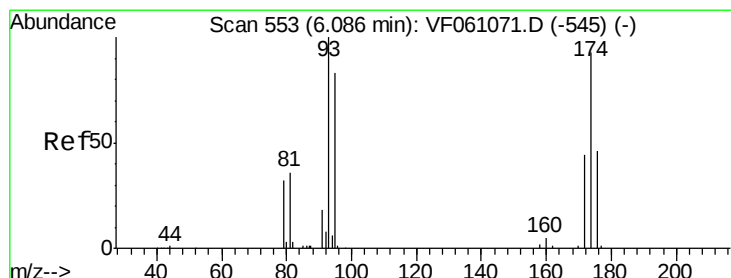
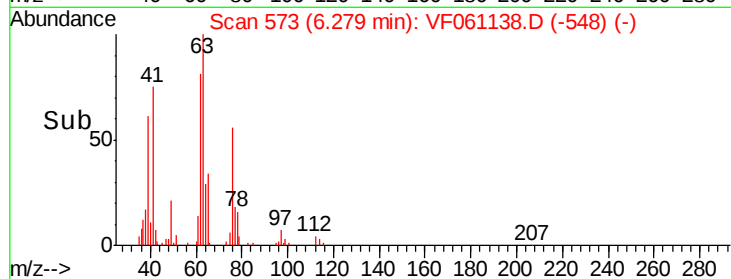
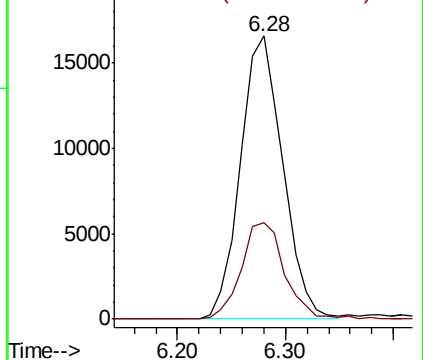
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 50.635 ug/l

RT: 6.13 min Scan# 558

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

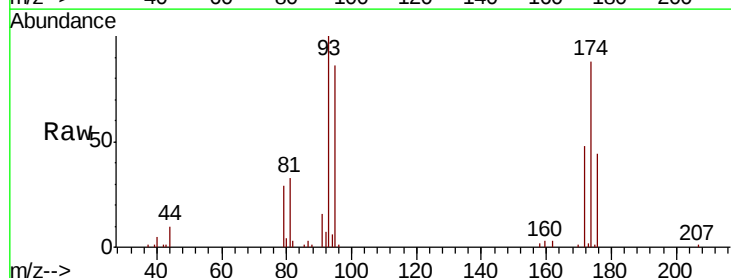
Tgt Ion: 93 Resp: 31579

Ion Ratio Lower Upper

93 100

95 86.3 66.9 100.3

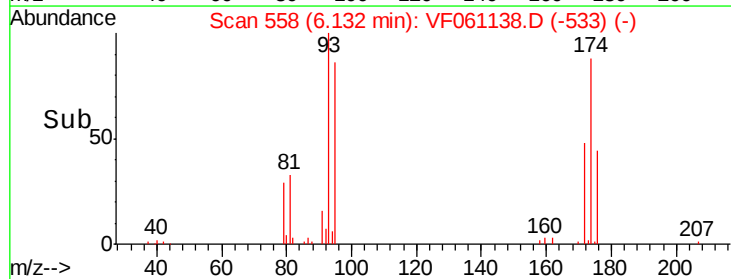
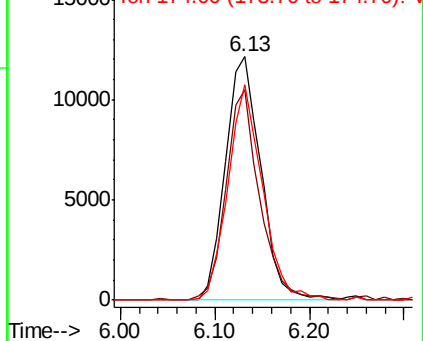
174 89.5 74.1 111.1

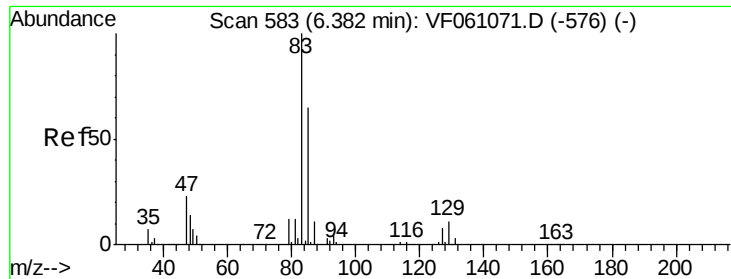


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 45.647 ug/l

RT: 6.43 min Scan# 588

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

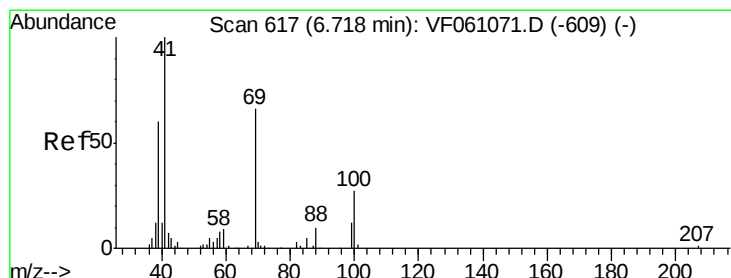
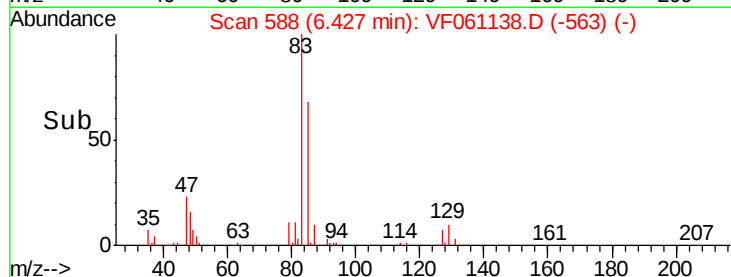
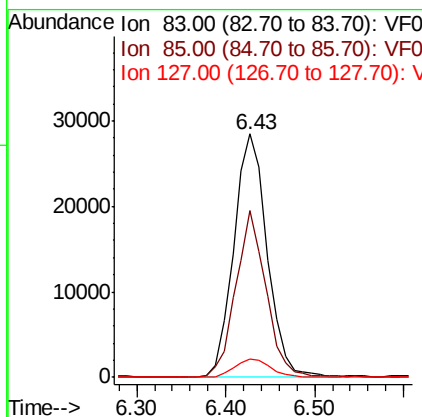
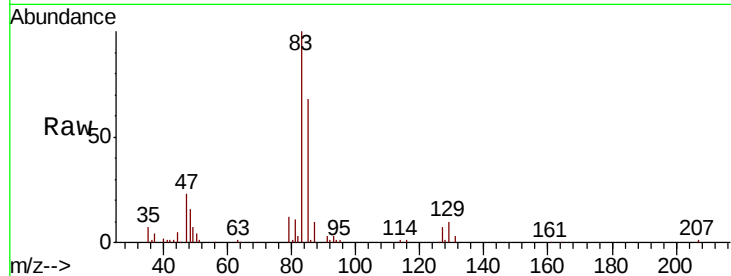
ClientSampleId :

P001-SD006-0612-01MSD

Tgt Ion:	83	Resp:	73968
Ion	Ratio	Lower	Upper
83	100		
85	68.3	52.2	78.4
127	7.4	6.1	9.1

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#48

Methyl methacrylate

Concen: 61.967 ug/l

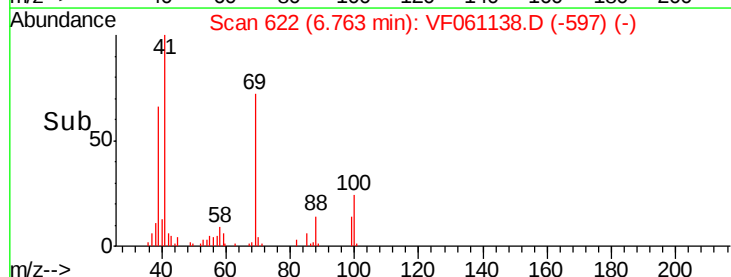
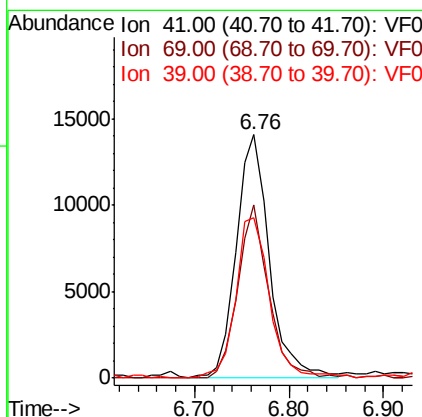
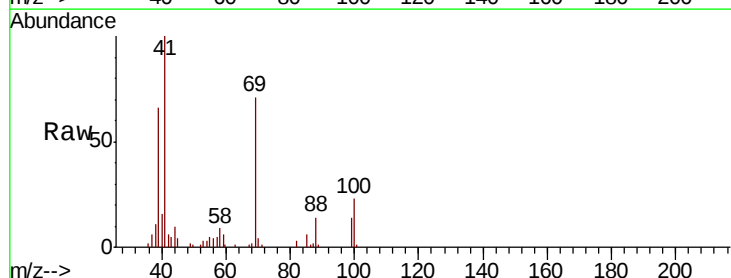
RT: 6.76 min Scan# 622

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Tgt Ion:	41	Resp:	34329
Ion	Ratio	Lower	Upper
41	100		
69	71.3	52.7	79.1
39	65.9	47.8	71.6





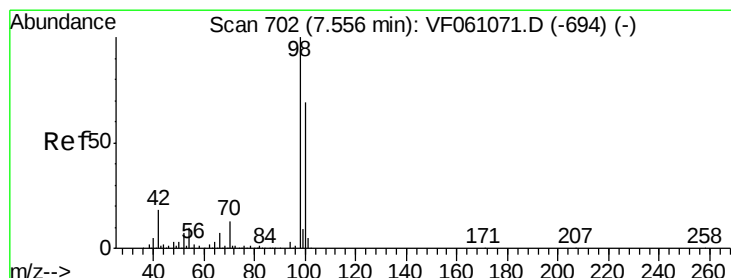
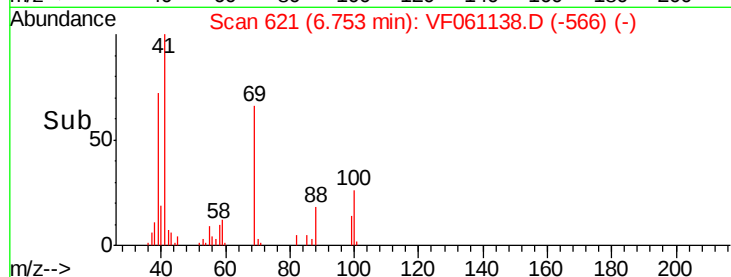
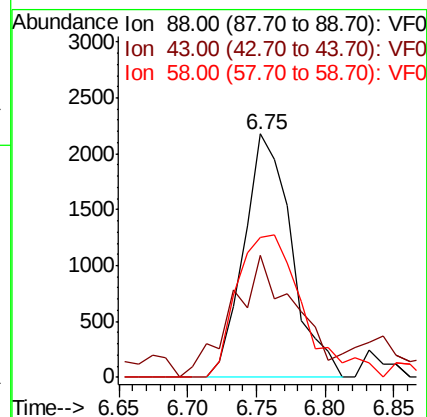
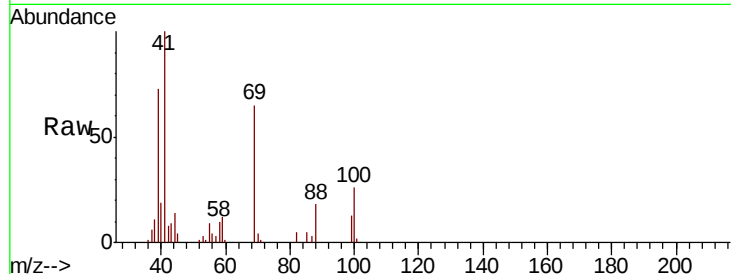
#49
1,4-Dioxane
Concen: 1307.802 ug/l
RT: 6.75 min Scan# 621
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	5257		
43	49.9		33.3	49.9
58	57.3		53.2	79.8

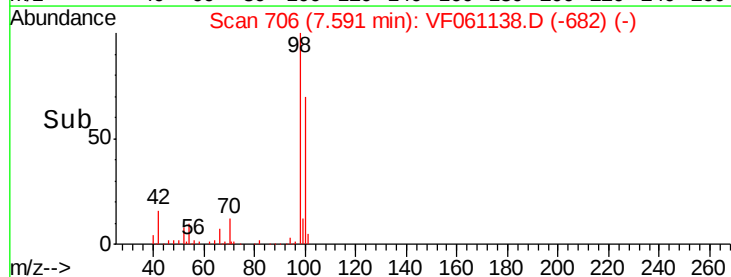
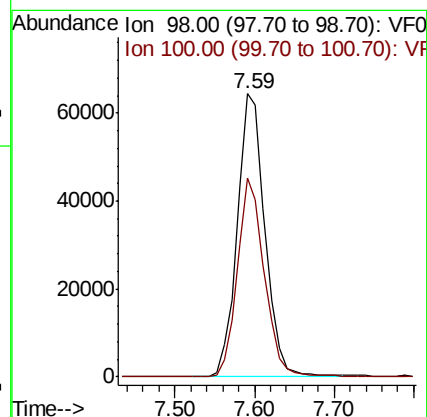
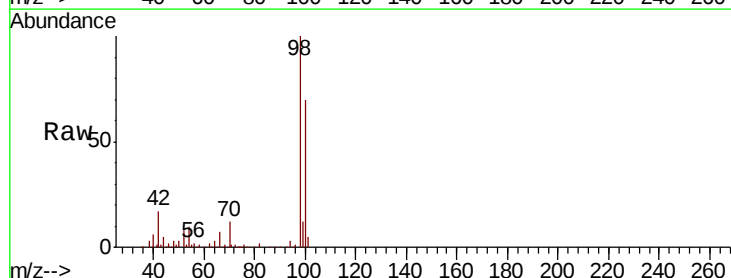
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#50
Toluene-d8
Concen: 50.373 ug/l
RT: 7.59 min Scan# 706
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	155695		
100	70.5		55.3	82.9





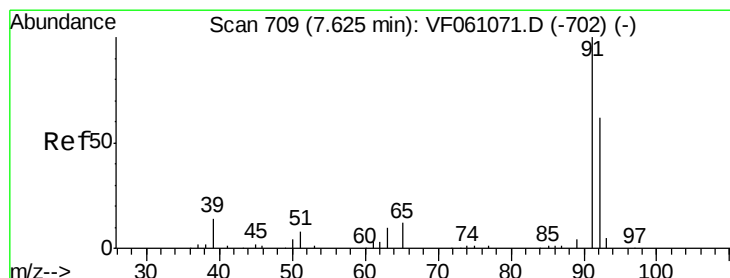
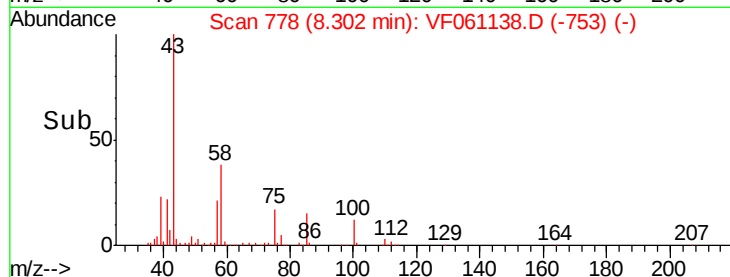
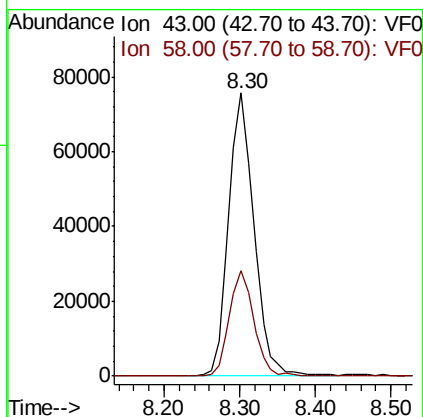
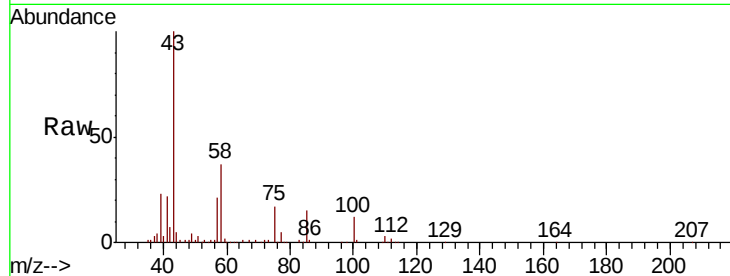
#51
4-Methyl-2-Pentanone
Concen: 324.010 ug/l
RT: 8.30 min Scan# 778
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

Tgt Ion: 43 Resp: 176339
Ion Ratio Lower Upper
43 100
58 37.4 29.1 43.7

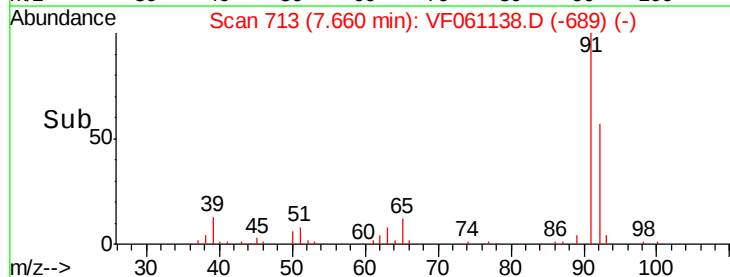
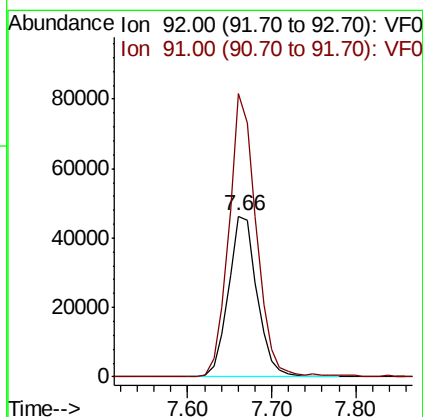
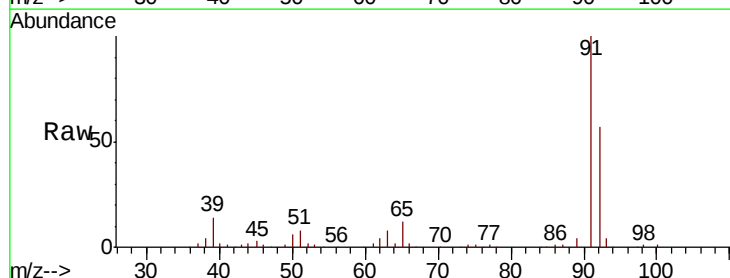
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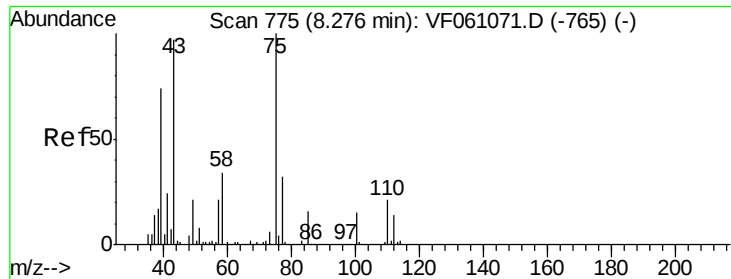
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#52
Toluene
Concen: 46.985 ug/l
RT: 7.66 min Scan# 713
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion: 92 Resp: 109923
Ion Ratio Lower Upper
92 100
91 176.3 128.8 193.2





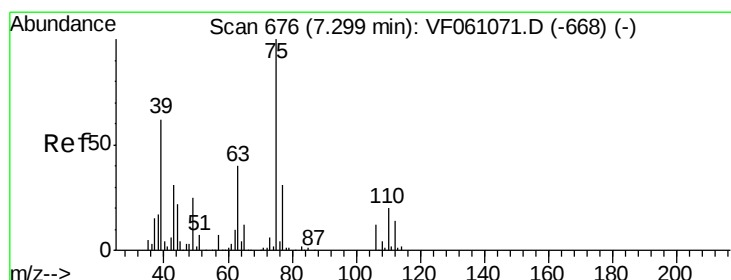
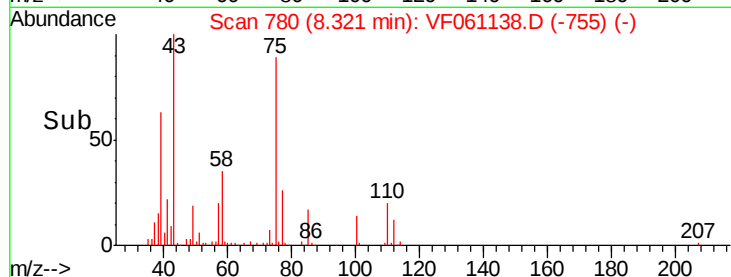
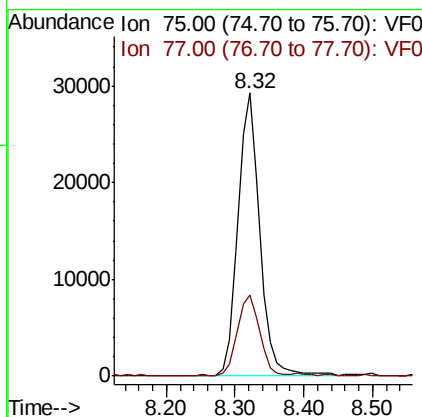
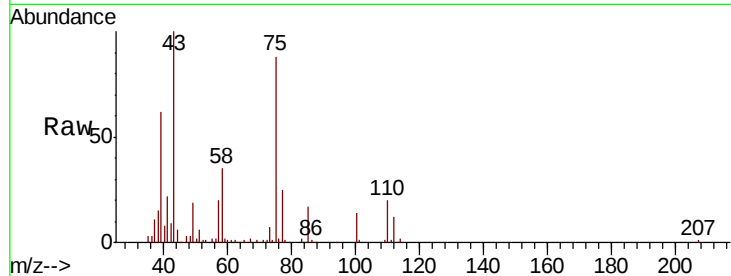
#53
t-1,3-Dichloropropene
Concen: 49.469 ug/l
RT: 8.32 min Scan# 780
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

Tgt Ion: 75 Resp: 64667
Ion Ratio Lower Upper
75 100
77 28.9 25.8 38.8

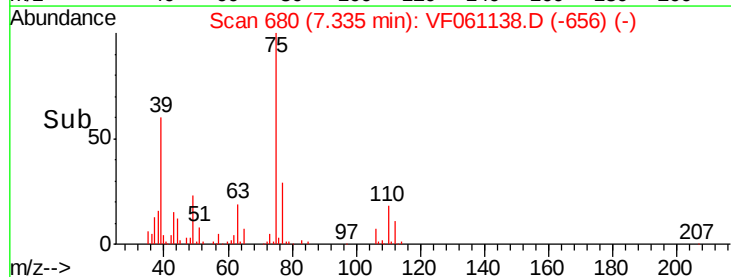
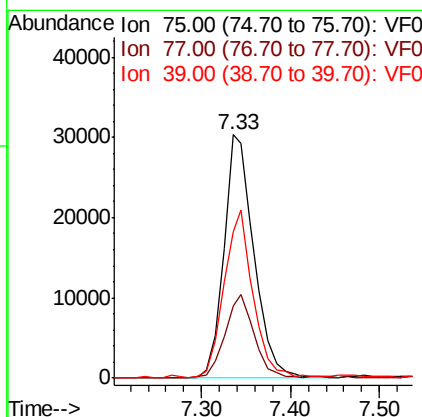
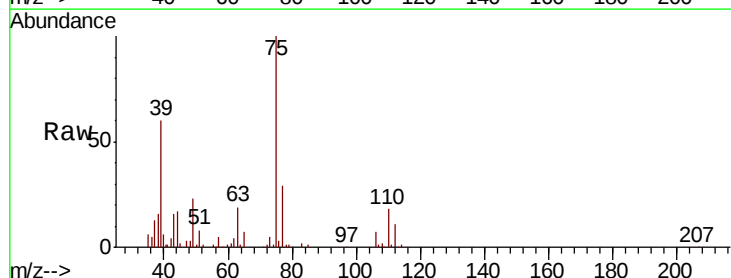
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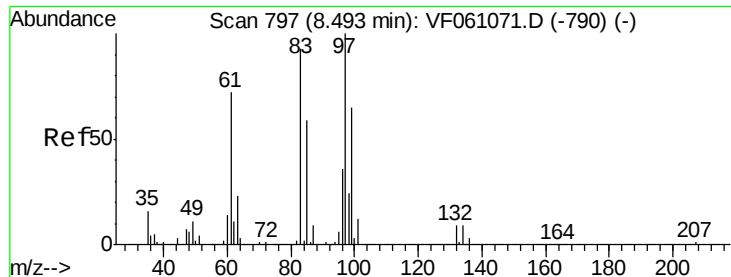
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#54
cis-1,3-Dichloropropene
Concen: 43.811 ug/l
RT: 7.33 min Scan# 680
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion: 75 Resp: 71879
Ion Ratio Lower Upper
75 100
77 29.4 25.0 37.4
39 60.3 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 52.076 ug/l

RT: 8.53 min Scan# 801

Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

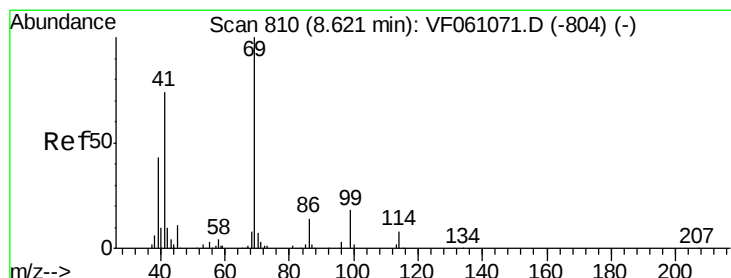
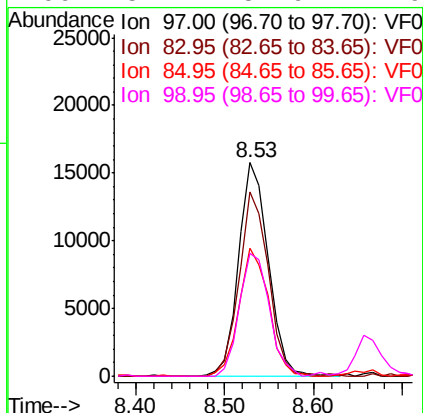
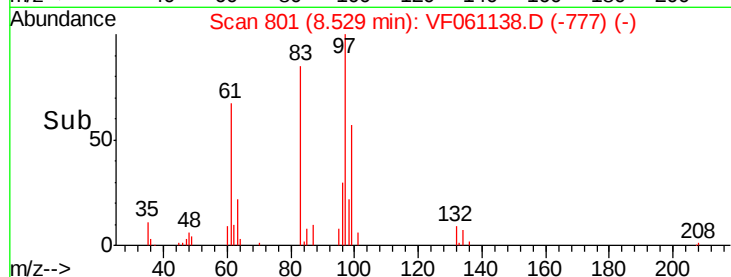
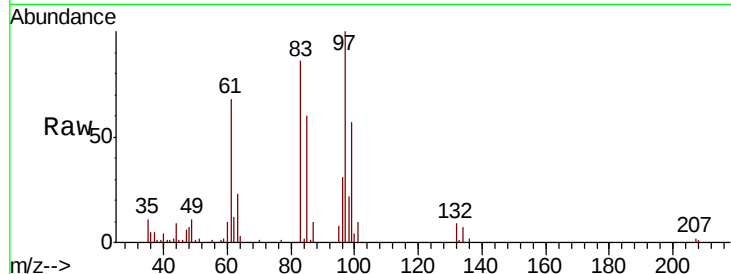
ClientSampleId :

P001-SD006-0612-01MSD

Tgt Ion:	97	Resp:	36524
Ion	Ratio	Lower	Upper
97	100		
83	86.5	75.0	112.4
85	59.7	47.5	71.3
99	57.4	51.9	77.9

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#56

Ethyl methacrylate

Concen: 47.118 ug/l

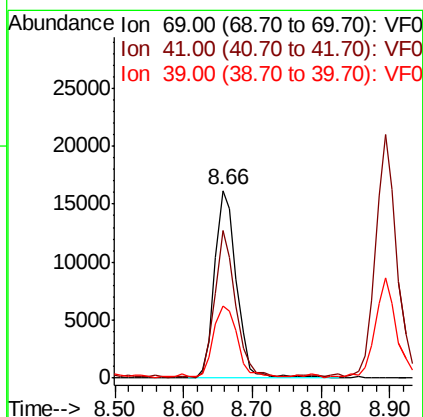
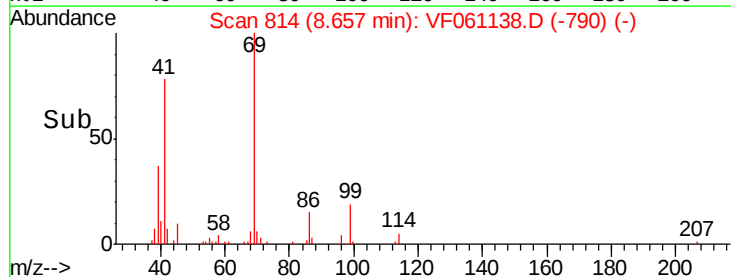
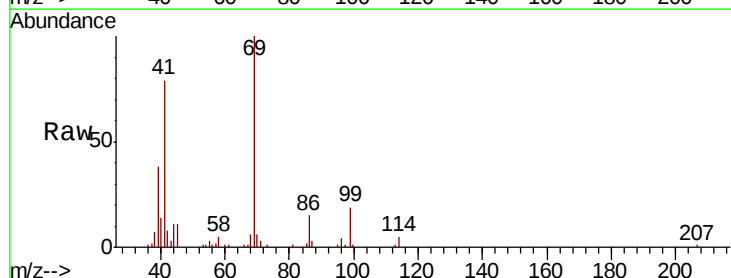
RT: 8.66 min Scan# 814

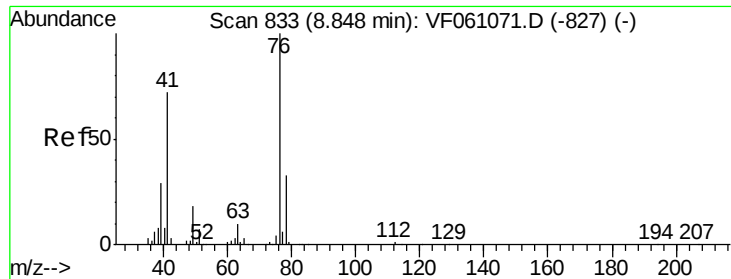
Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Tgt Ion:	69	Resp:	35759
Ion	Ratio	Lower	Upper
69	100		
41	78.9	59.7	89.5
39	38.3	35.0	52.6





#57

1,3-Dichloropropane

Concen: 49.538 ug/l

RT: 8.89 min Scan# 838

Delta R.T. 0.05 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

Tgt Ion: 76 Resp: 62839

Ion Ratio Lower Upper

76 100

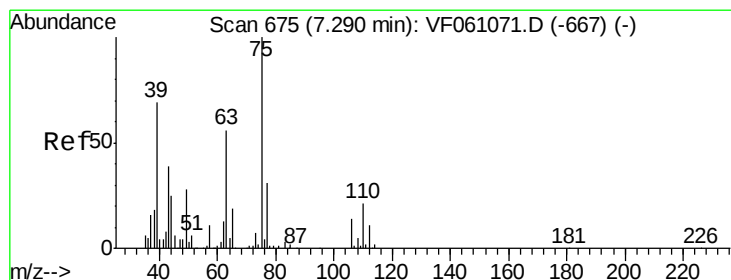
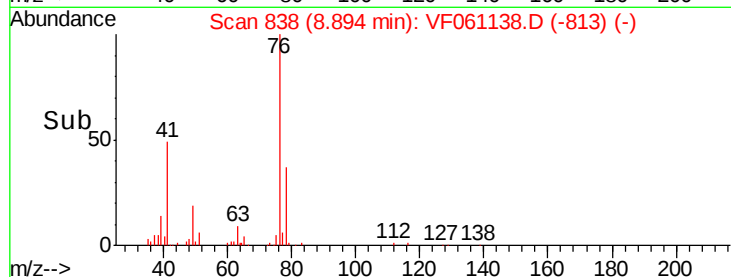
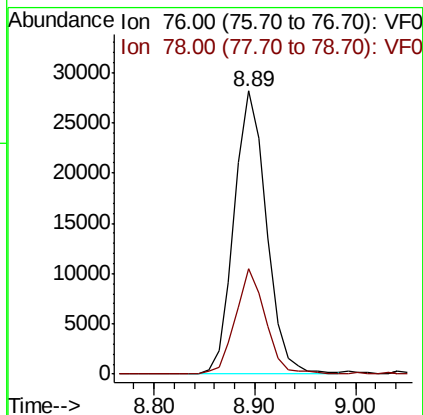
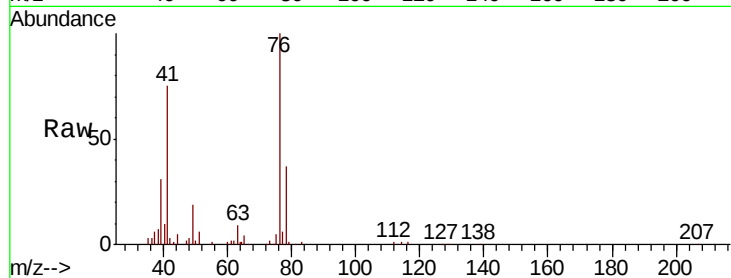
78 37.4 26.5 39.7

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#58

2-Chloroethyl Vinyl ether

Concen: 94.109 ug/l

RT: 7.33 min Scan# 680

Delta R.T. 0.05 min

Lab File: VF061138.D

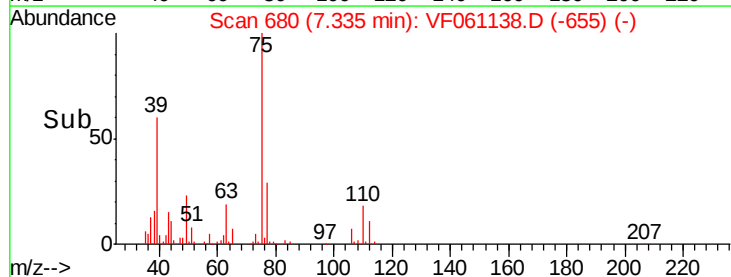
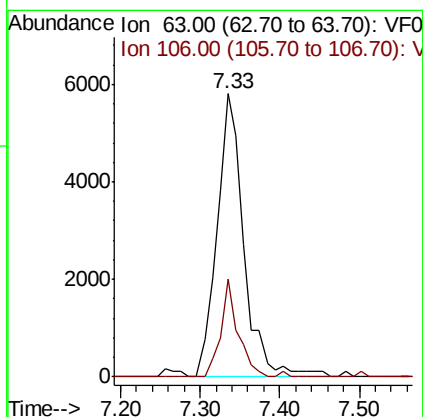
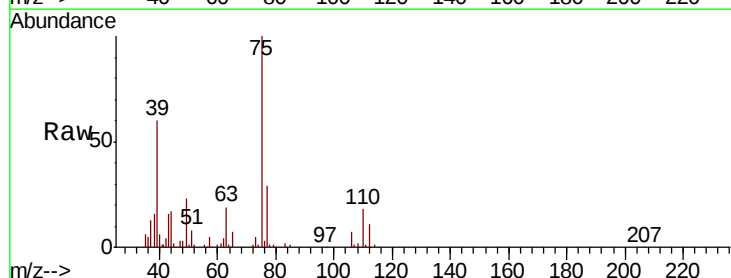
Acq: 21 Dec 2018 21:03

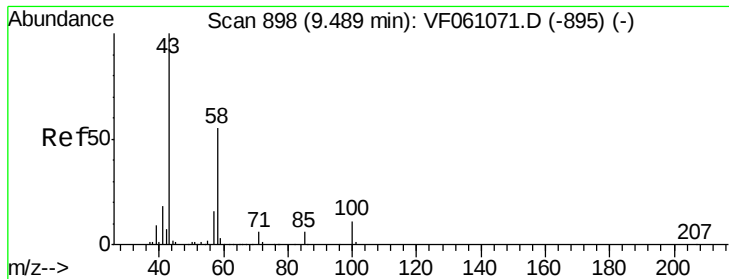
Tgt Ion: 63 Resp: 13717

Ion Ratio Lower Upper

63 100

106 34.6 19.8 29.8#





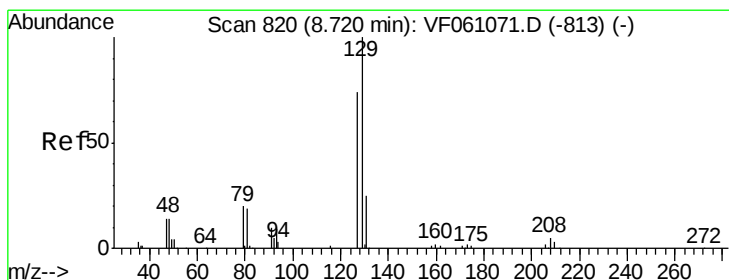
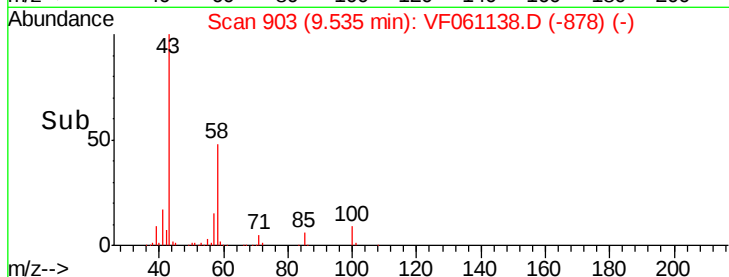
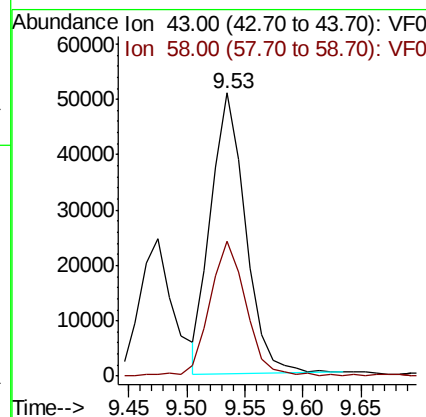
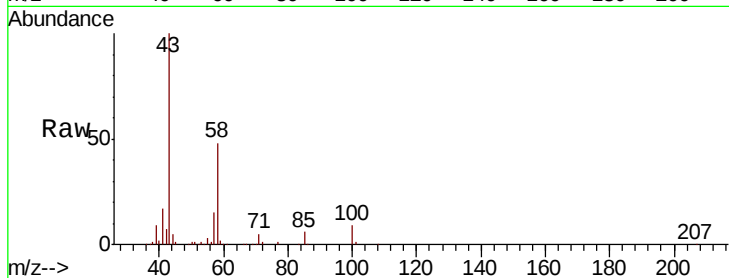
#59
2-Hexanone
Concen: 266.542 ug/l
RT: 9.53 min Scan# 903
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

Tgt Ion: 43 Resp: 104906
Ion Ratio Lower Upper
43 100
58 47.8 25.1 75.2

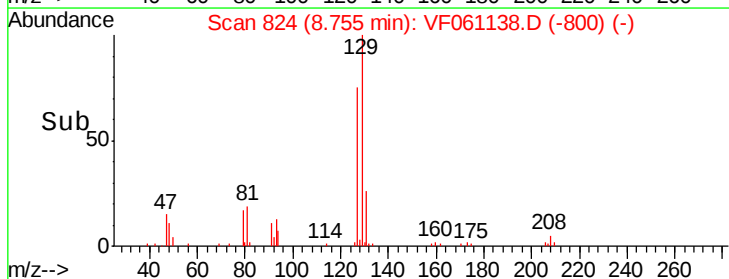
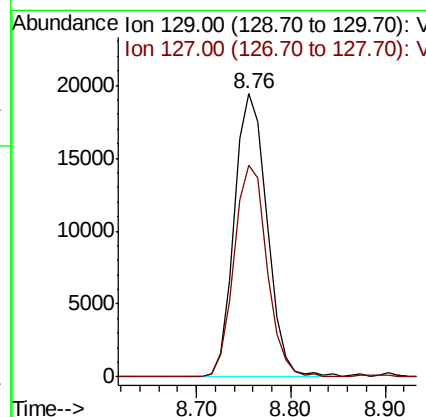
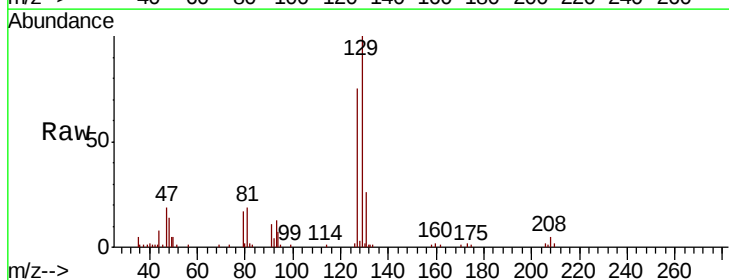
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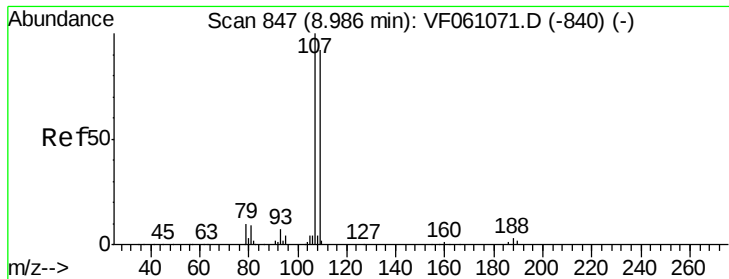
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#60
Dibromochloromethane
Concen: 46.188 ug/l
RT: 8.76 min Scan# 824
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion: 129 Resp: 46436
Ion Ratio Lower Upper
129 100
127 74.6 36.8 110.3





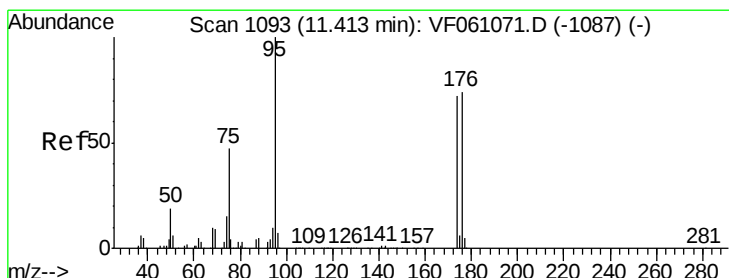
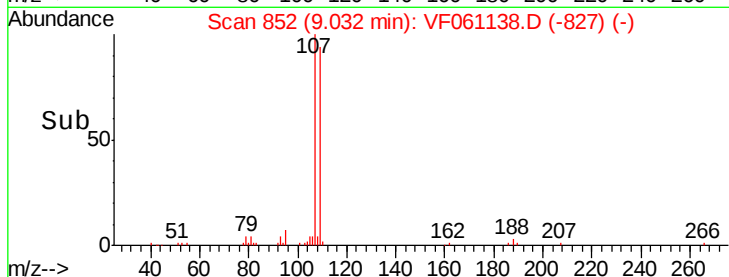
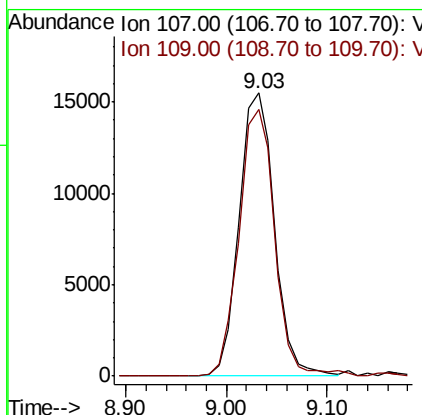
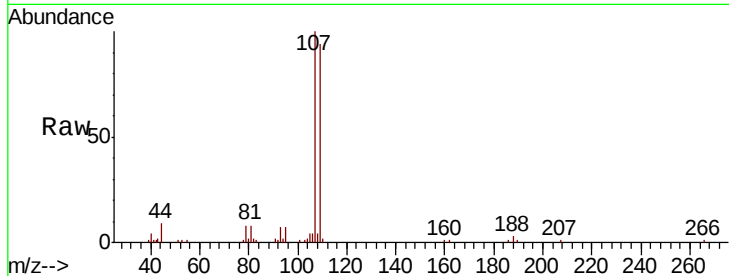
#61
 1,2-Dibromoethane
 Concen: 50.508 ug/l
 RT: 9.03 min Scan# 852
 Delta R.T. 0.05 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MSD

Tgt Ion: 107 Resp: 37833
 Ion Ratio Lower Upper
 107 100
 109 94.1 73.7 110.5

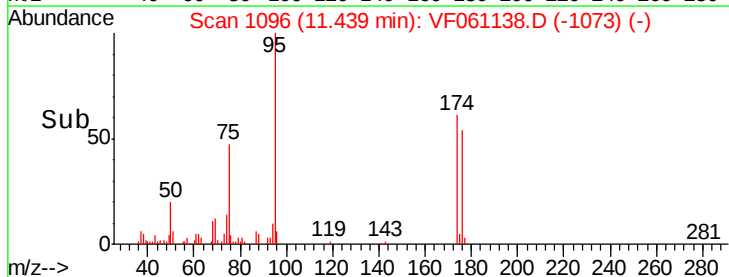
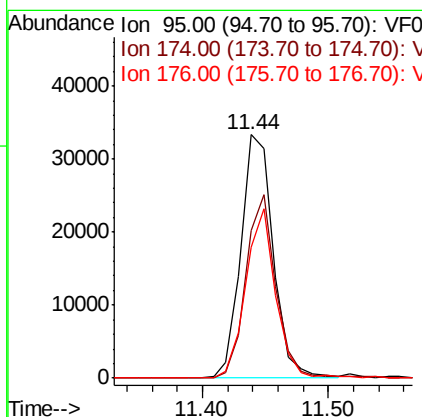
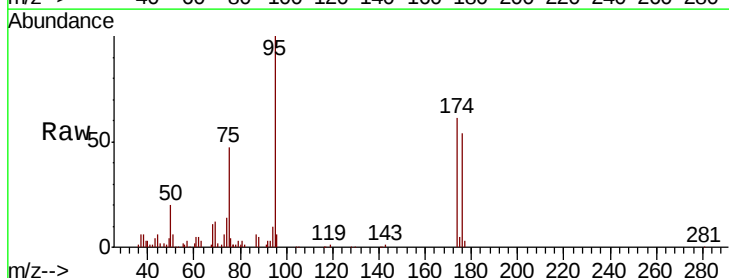
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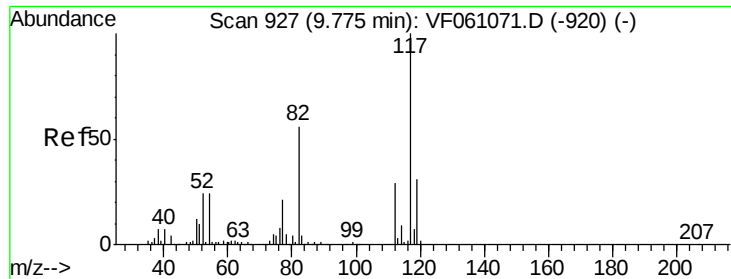
MMDadoda
 12/26/2018 10:51:51 AM



#62
 4-Bromofluorobenzene
 Concen: 41.602 ug/l
 RT: 11.44 min Scan# 1096
 Delta R.T. 0.03 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Tgt Ion: 95 Resp: 59280
 Ion Ratio Lower Upper
 95 100
 174 60.8 0.0 143.8
 176 53.7 0.0 147.6





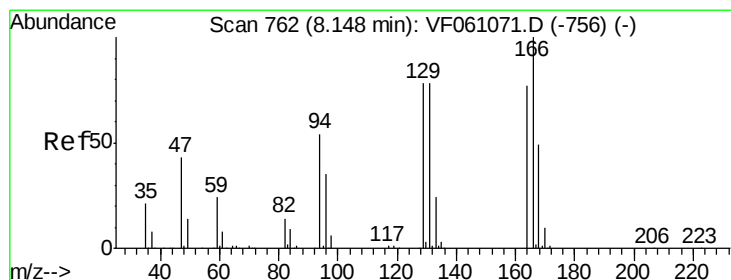
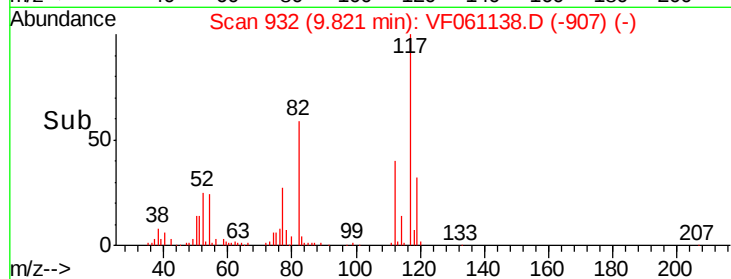
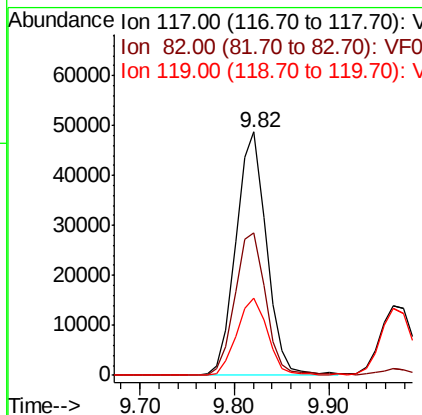
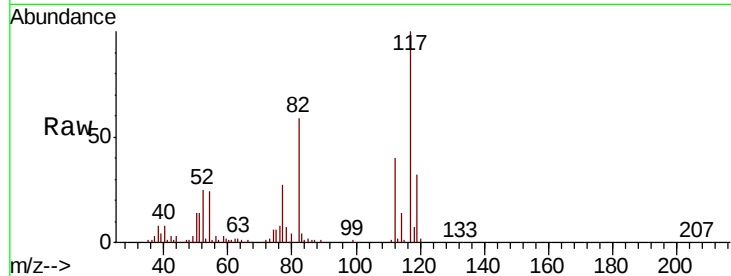
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.82 min Scan# 932
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	109432		
82	58.6	45.0	67.4	
119	31.8	24.8	37.2	

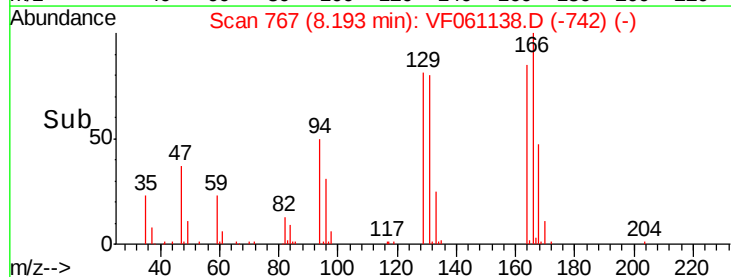
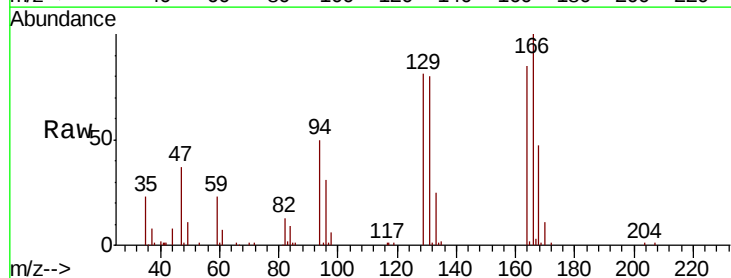
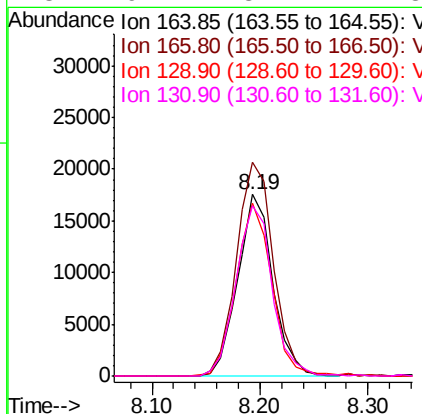
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#64
Tetrachloroethene
Concen: 46.823 ug/l
RT: 8.19 min Scan# 767
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	39416		
166	117.7	104.0	156.0	
129	95.3	81.1	121.7	
131	94.1	81.2	121.8	





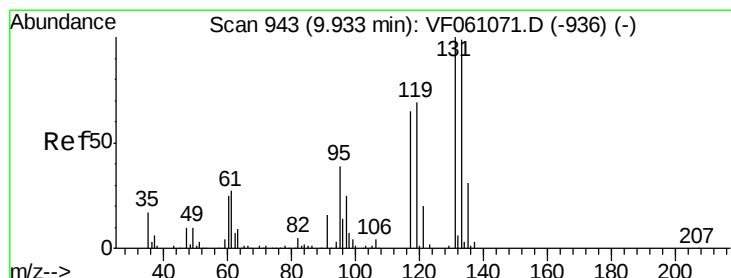
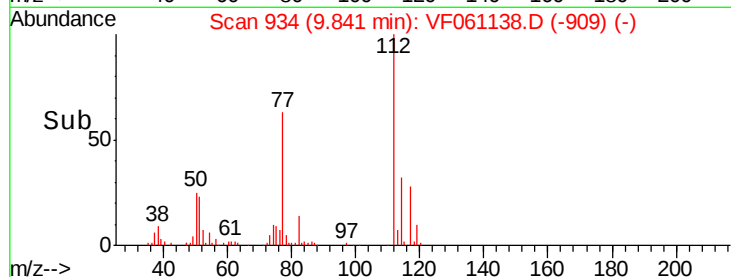
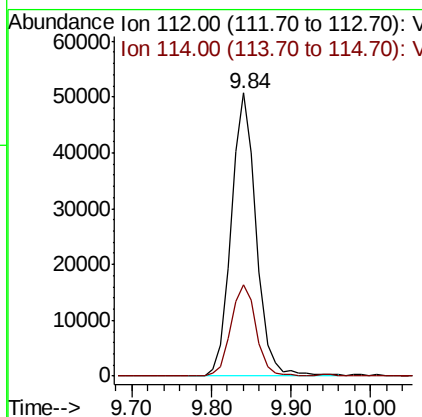
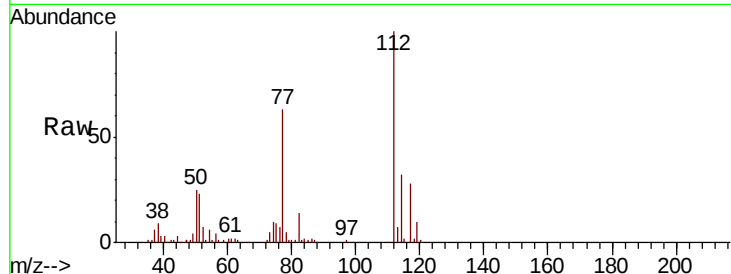
#65
Chlorobenzene
Concen: 49.206 ug/l
RT: 9.84 min Scan# 934
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

Tgt Ion:112 Resp: 111240
Ion Ratio Lower Upper
112 100
114 32.4 27.8 41.6

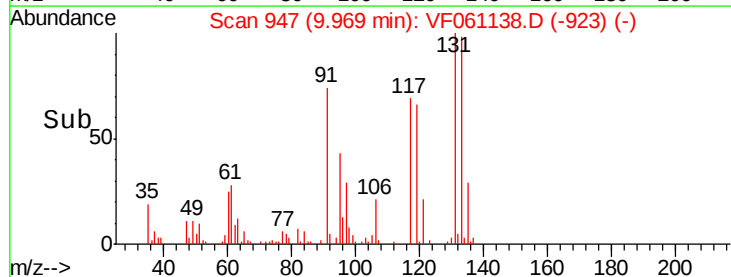
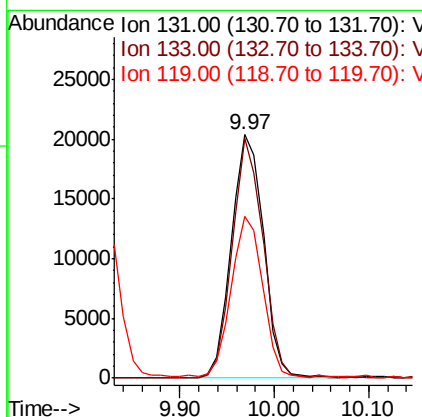
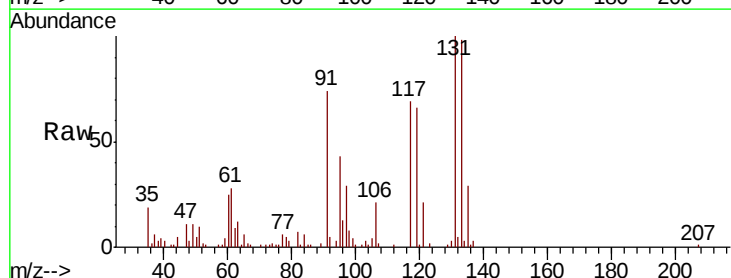
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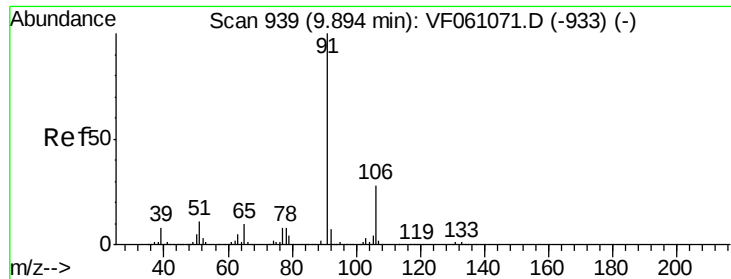
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.888 ug/l
RT: 9.97 min Scan# 947
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion:131 Resp: 47937
Ion Ratio Lower Upper
131 100
133 98.4 49.5 148.7
119 66.3 34.5 103.5





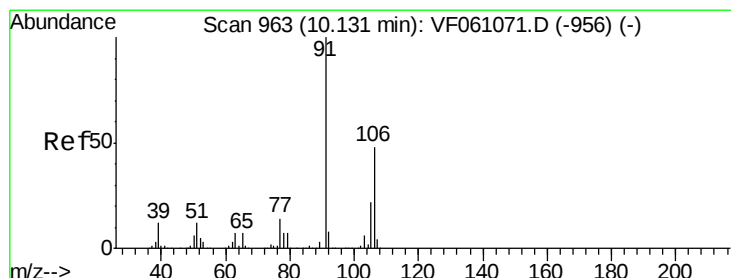
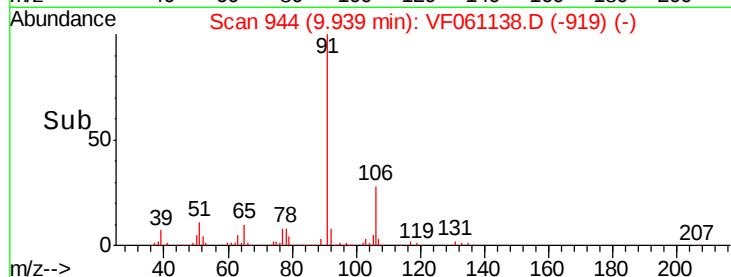
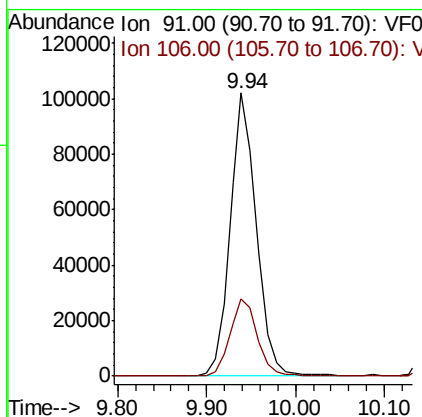
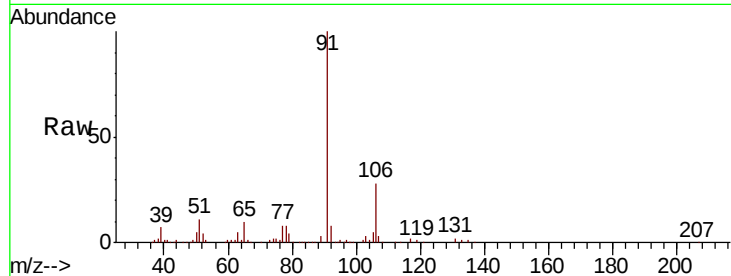
#67
Ethyl Benzene
Concen: 51.041 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

Tgt Ion: 91 Resp: 210218
Ion Ratio Lower Upper
91 100
106 27.5 22.5 33.7

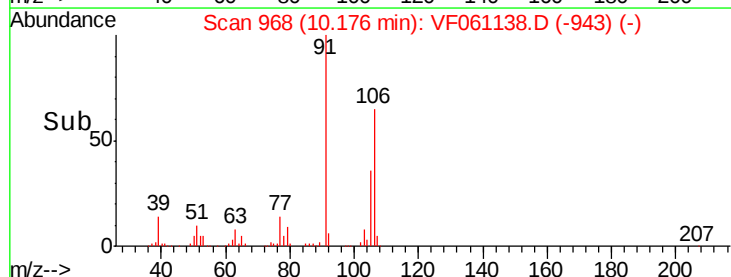
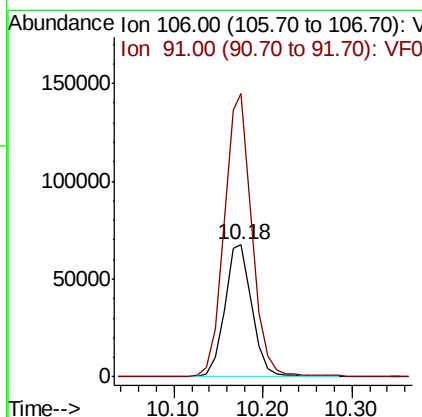
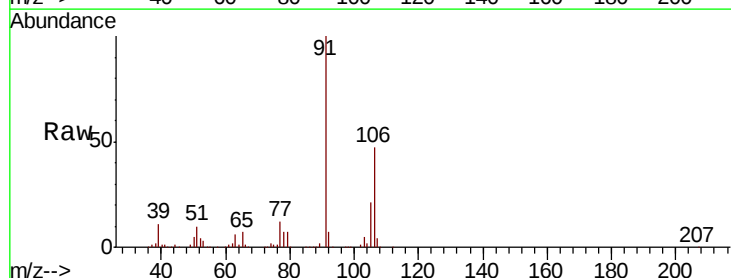
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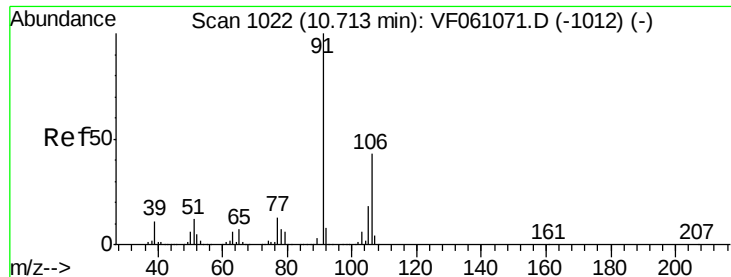
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#68
m/p-Xylenes
Concen: 100.722 ug/l
RT: 10.18 min Scan# 968
Delta R.T. 0.05 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion: 106 Resp: 145989
Ion Ratio Lower Upper
106 100
91 214.8 168.2 252.2





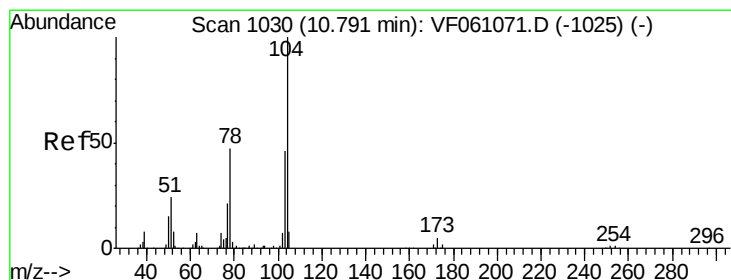
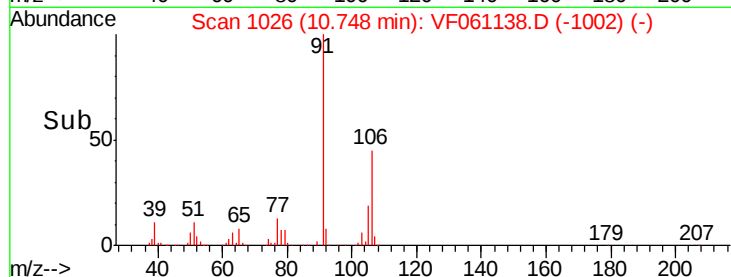
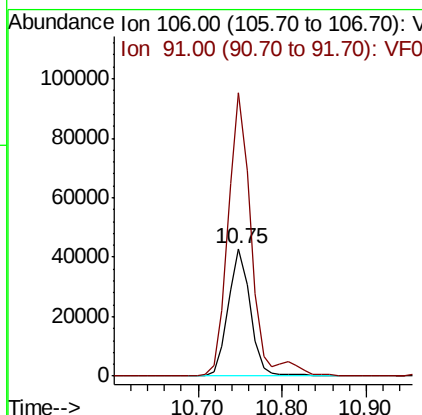
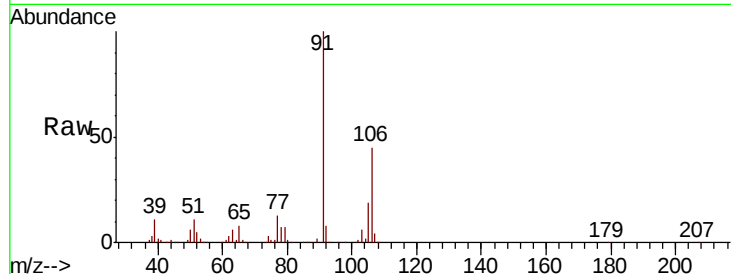
#69
o-Xylene
Concen: 48.821 ug/l
RT: 10.75 min Scan# 1026
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

Tgt Ion:106 Resp: 78481
Ion Ratio Lower Upper
106 100
91 222.1 115.9 347.7

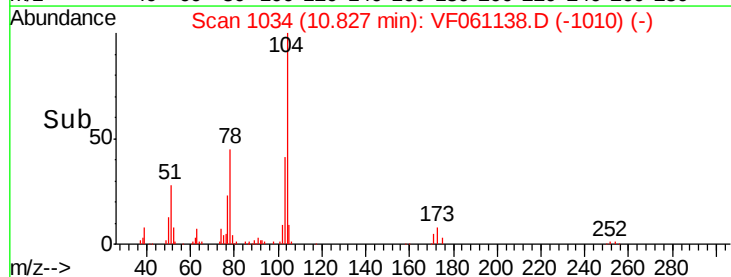
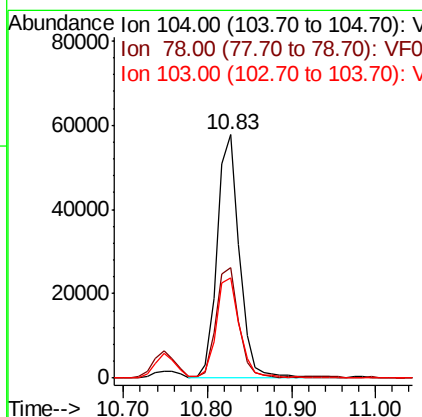
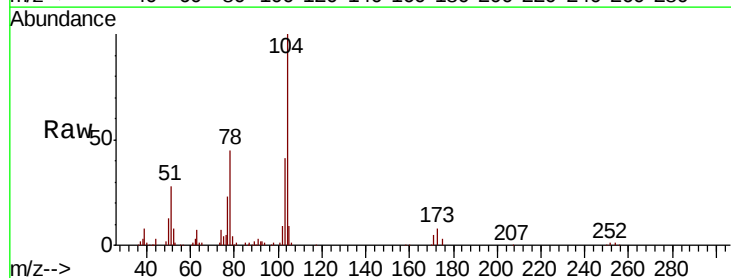
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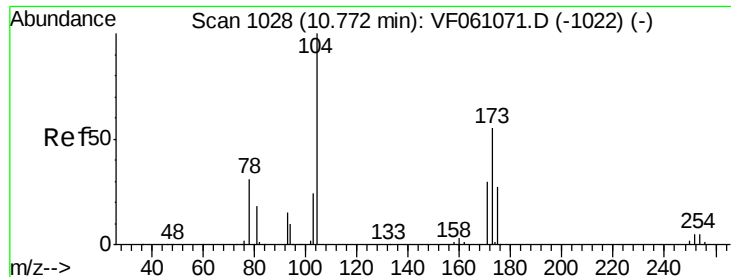
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#70
Styrene
Concen: 54.641 ug/l
RT: 10.83 min Scan# 1034
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion:104 Resp: 106145
Ion Ratio Lower Upper
104 100
78 45.2 38.4 57.6
103 41.0 37.0 55.6





#71

Bromoform

Concen: 52.948 ug/l

RT: 10.81 min Scan# 1032

Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

Tgt Ion:173 Resp: 22631

Ion Ratio Lower Upper

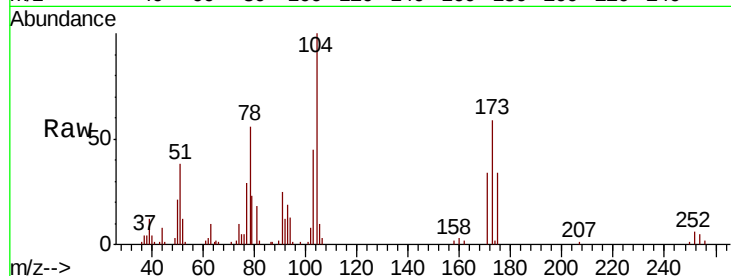
173 100

175 57.9 24.8 74.4

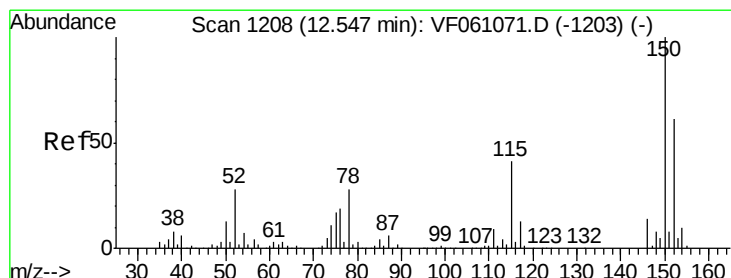
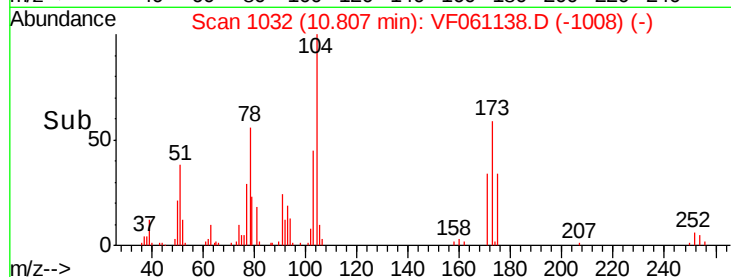
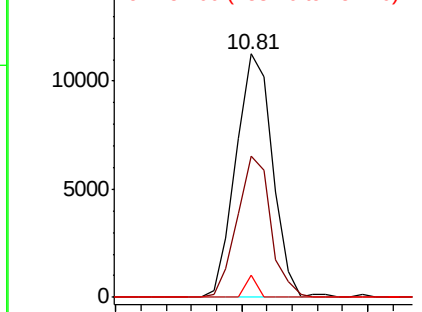
254 9.0 0.0 0.0#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.58 min Scan# 1212

Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

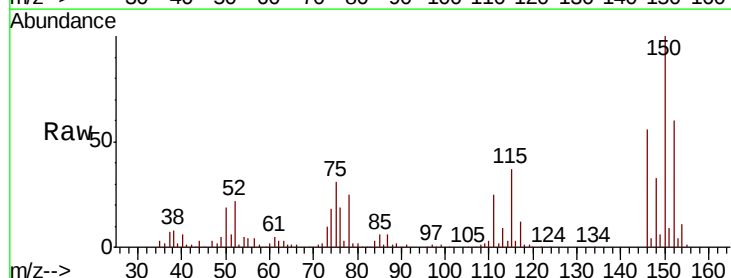
Tgt Ion:152 Resp: 46850

Ion Ratio Lower Upper

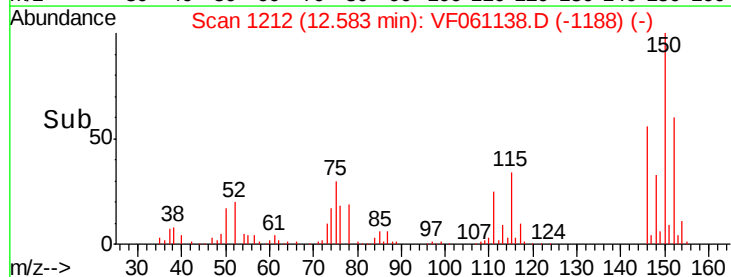
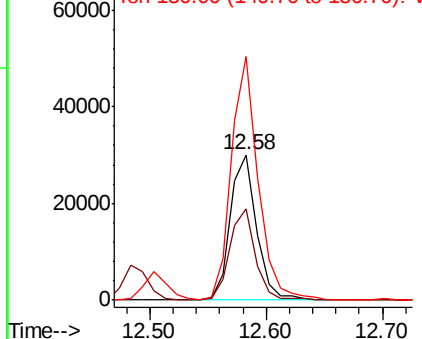
152 100

115 62.5 33.3 99.9

150 167.6 0.0 328.2



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





#73

Isopropylbenzene

Concen: 51.811 ug/l

RT: 11.15 min Scan# 1067

Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

Tgt Ion: 105 Resp: 209179

Ion Ratio Lower Upper

105 100

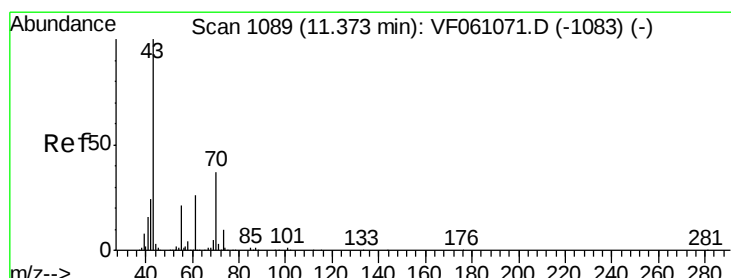
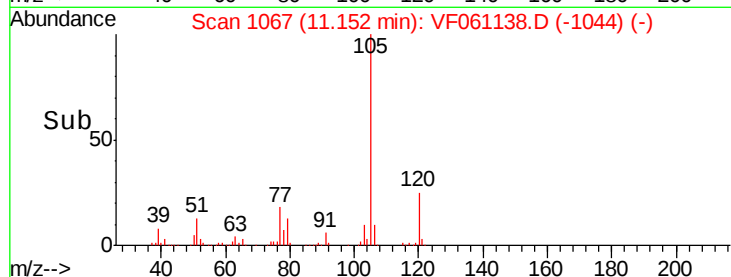
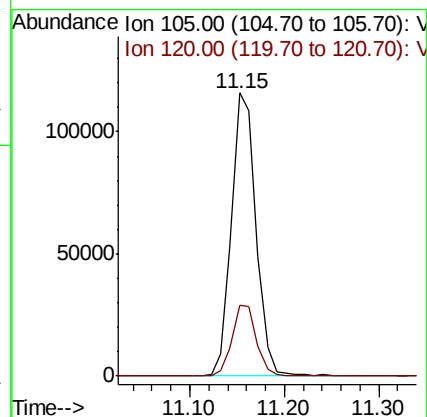
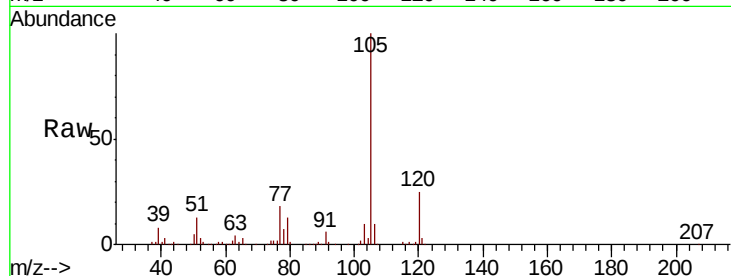
120 24.9 13.0 39.0

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#74

N-ethyl acetate

Concen: 53.403 ug/l

RT: 11.40 min Scan# 1092

Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Tgt Ion: 43 Resp: 47868

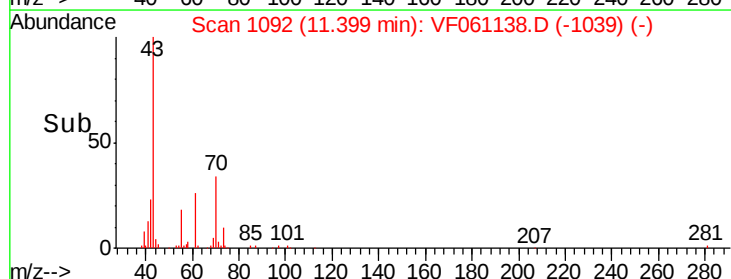
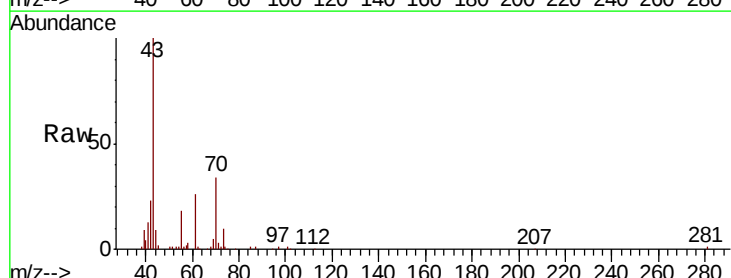
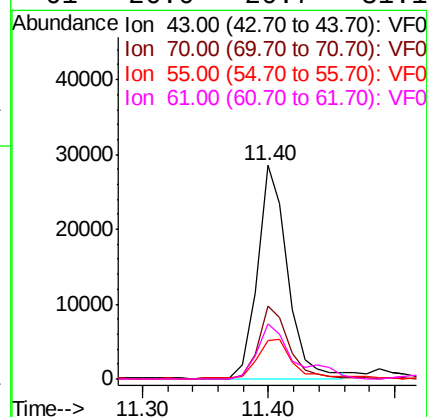
Ion Ratio Lower Upper

43 100

70 34.2 29.2 43.8

55 18.0 16.5 24.7

61 26.0 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 74.523 ug/l

RT: 11.72 min Scan# 1125

Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

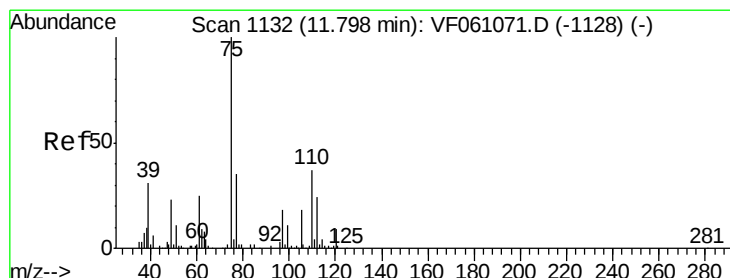
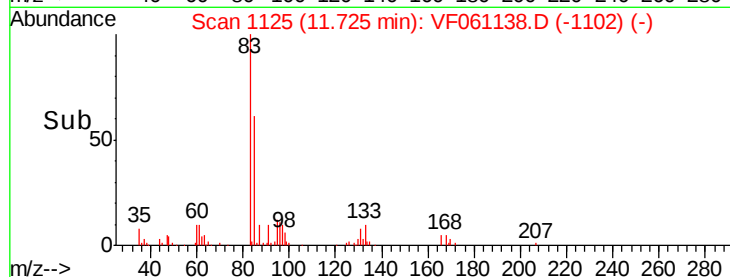
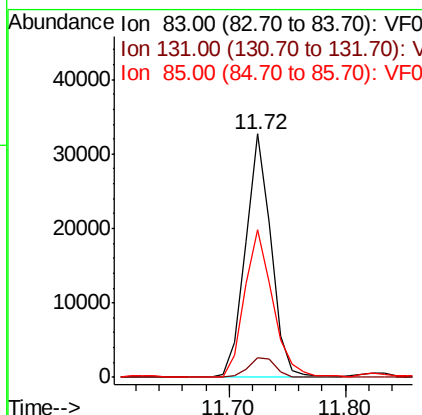
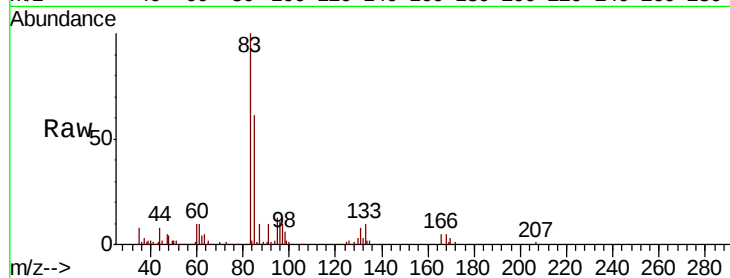
ClientSampleId :

P001-SD006-0612-01MSD

Tgt Ion:	83	Resp:	49935
Ion Ratio	Lower	Upper	
83	100		
131	8.0	4.8	14.3
85	60.8	33.9	101.6

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#76

1,2,3-Trichloropropane

Concen: 73.706 ug/l

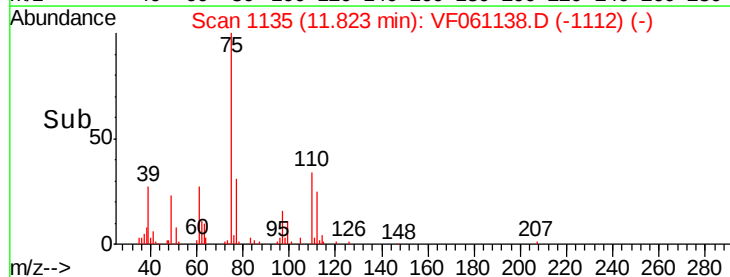
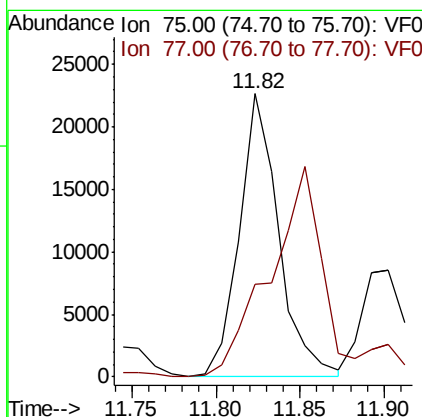
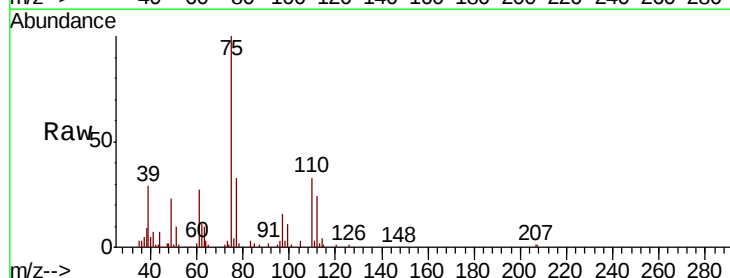
RT: 11.82 min Scan# 1135

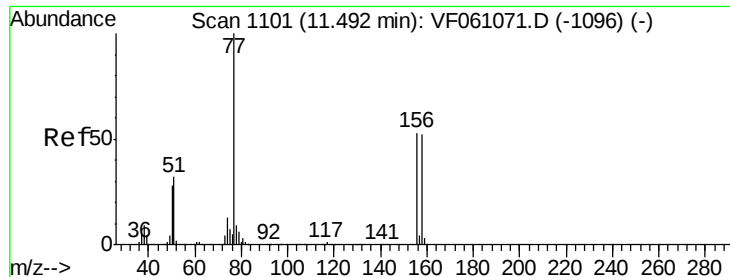
Delta R.T. 0.03 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Tgt Ion:	75	Resp:	36754
Ion Ratio	Lower	Upper	
75	100		
77	32.5	17.6	52.9





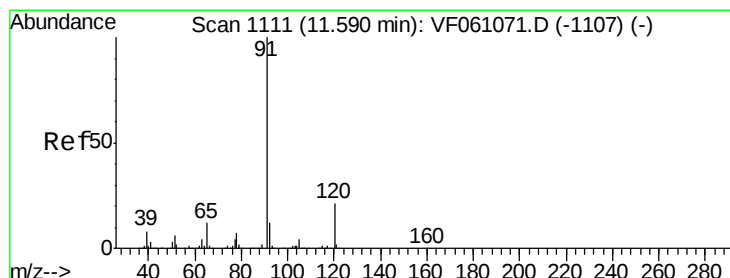
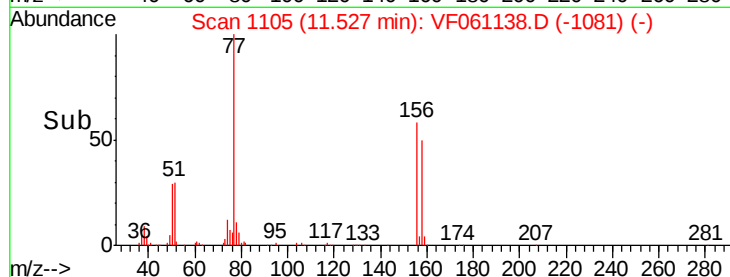
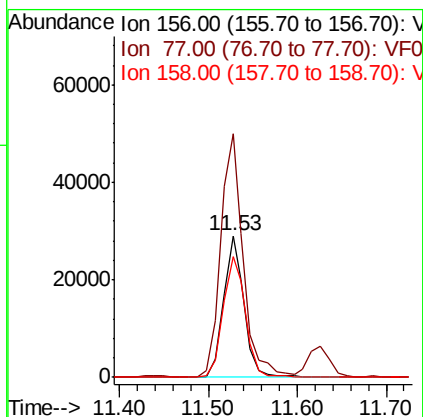
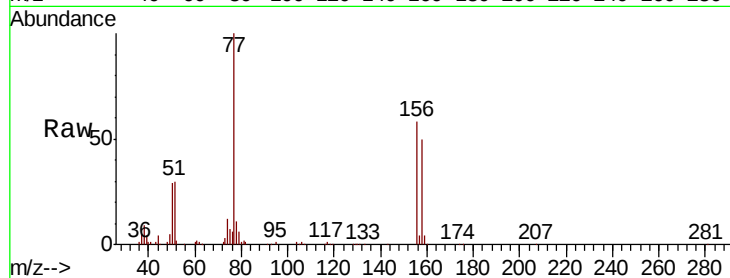
#77
Bromobenzene
Concen: 54.113 ug/l
RT: 11.53 min Scan# 1105
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

Tgt Ion	Ratio	Lower	Upper
156	100		
77	172.1	93.8	281.4
158	85.6	48.9	146.8

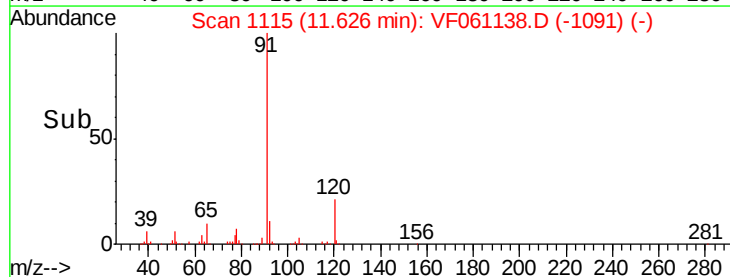
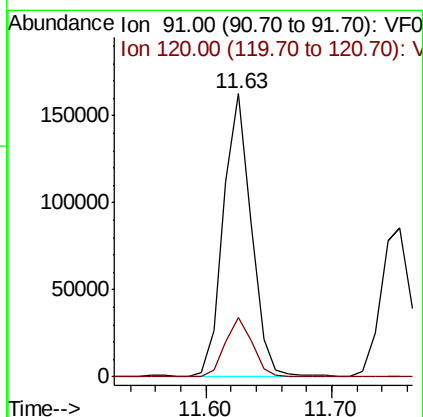
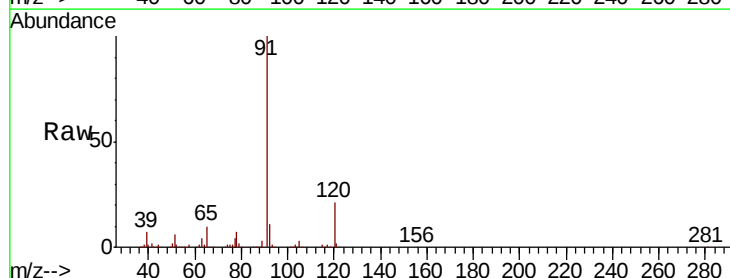
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#78
n-propylbenzene
Concen: 54.573 ug/l
RT: 11.63 min Scan# 1115
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.4	31.2





#79

2-Chlorotoluene

Concen: 51.252 ug/l

RT: 11.75 min Scan# 1128

Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

Tgt Ion: 91 Resp: 141947

Ion Ratio Lower Upper

91 100

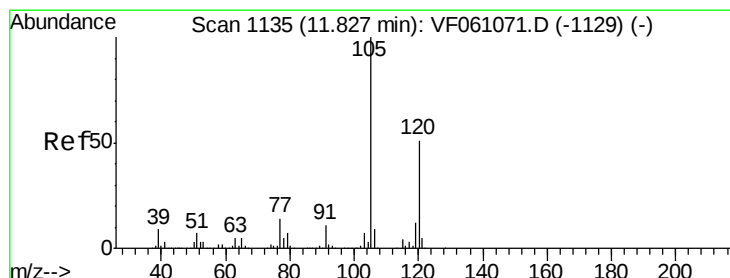
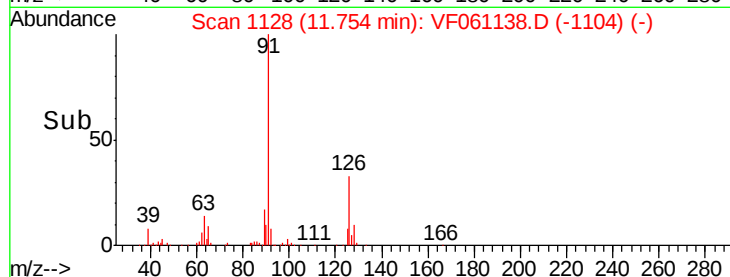
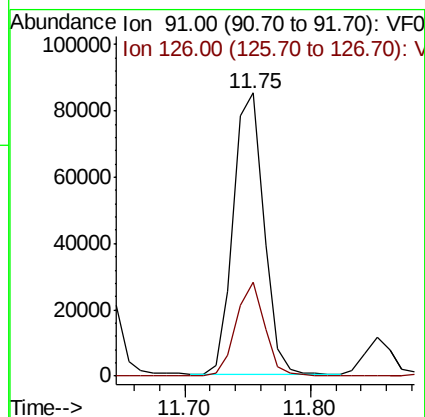
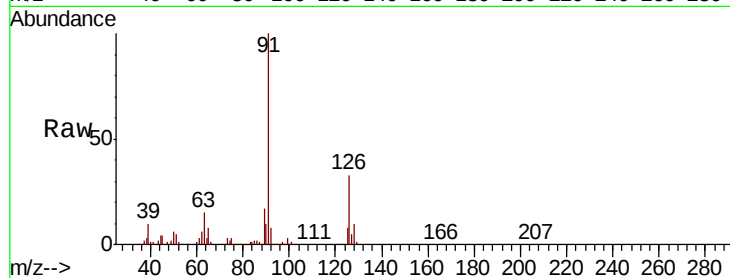
126 33.4 16.4 49.1

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#80

1,3,5-Trimethylbenzene

Concen: 50.137 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. 0.03 min

Lab File: VF061138.D

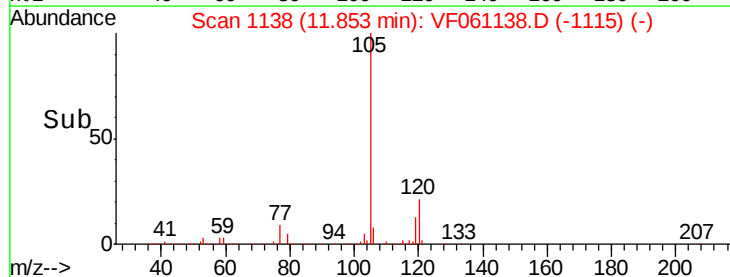
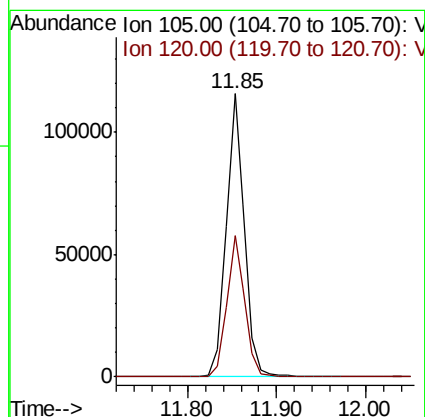
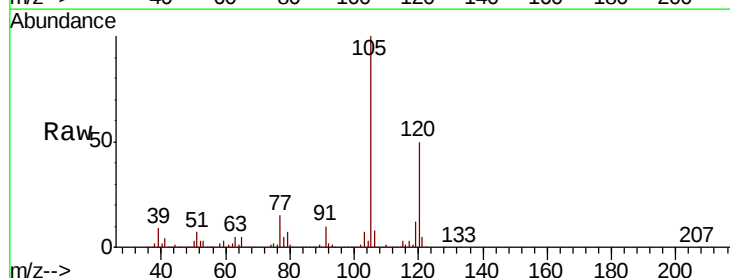
Acq: 21 Dec 2018 21:03

Tgt Ion: 105 Resp: 166675

Ion Ratio Lower Upper

105 100

120 49.7 25.4 76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 76.032 ug/l m

RT: 11.90 min Scan# 1143

Delta R.T. 0.04 min

Lab File: VF061138.D

Acq: 21 Dec 2018 21:03

Instrument :

MSVOA_F

ClientSampleId :

P001-SD006-0612-01MSD

Tgt Ion: 75 Resp: 16292
Ion Ratio Lower Upper

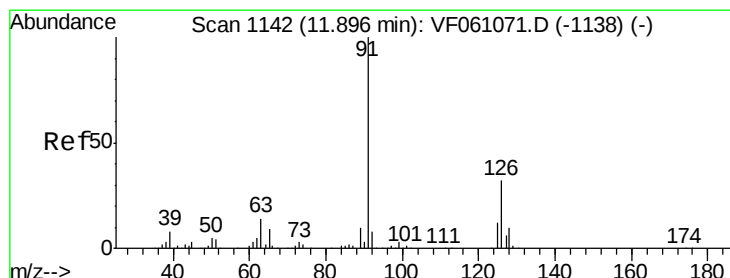
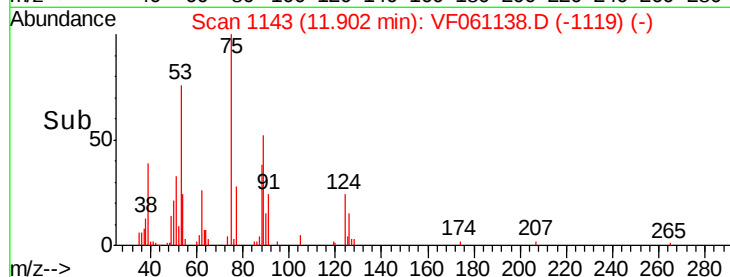
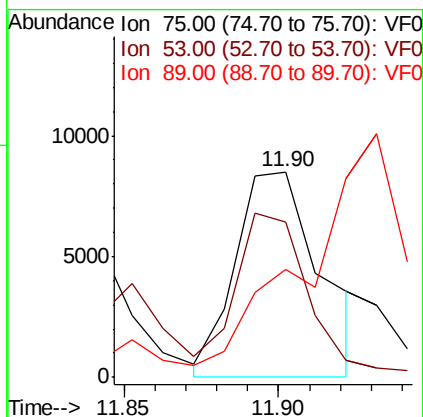
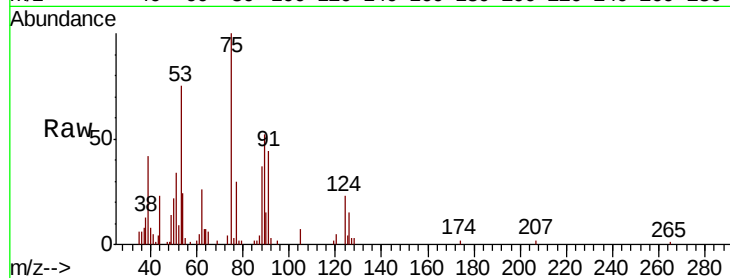
75 100

53 75.3 74.1 111.1

89 52.2 42.6 64.0

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#82

4-Chlorotoluene

Concen: 49.489 ug/l

RT: 11.93 min Scan# 1146

Delta R.T. 0.04 min

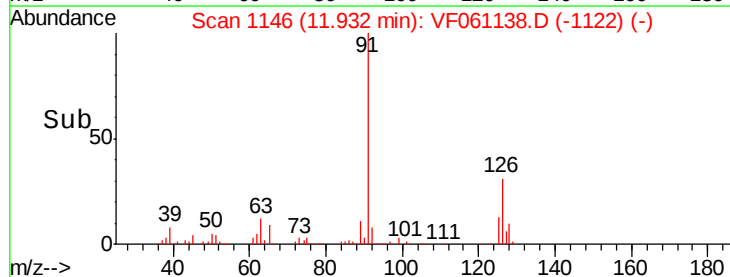
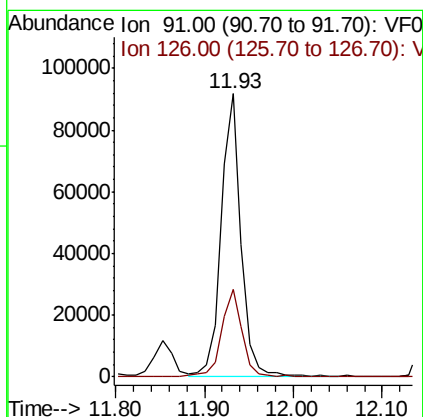
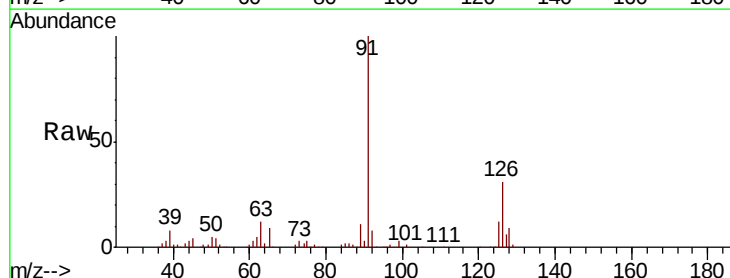
Lab File: VF061138.D

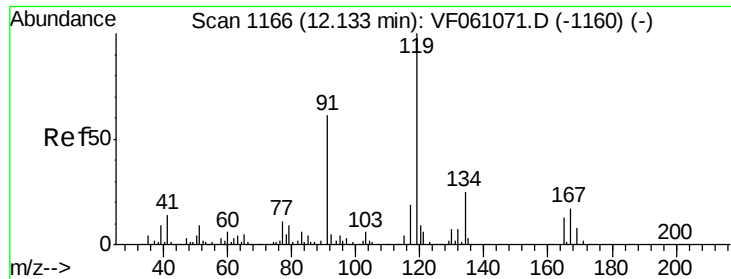
Acq: 21 Dec 2018 21:03

Tgt Ion: 91 Resp: 141789
Ion Ratio Lower Upper

91 100

126 31.1 16.0 47.9





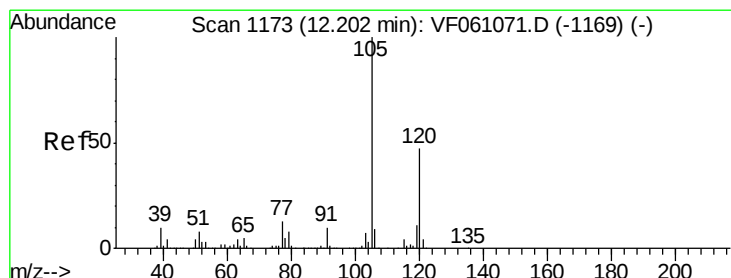
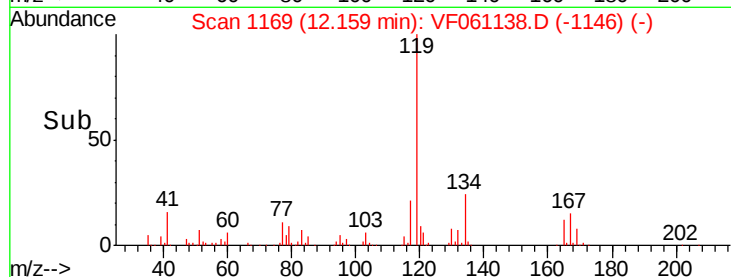
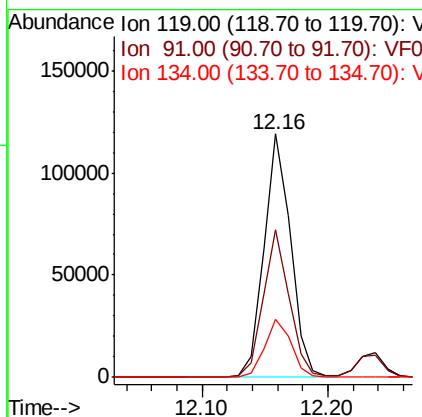
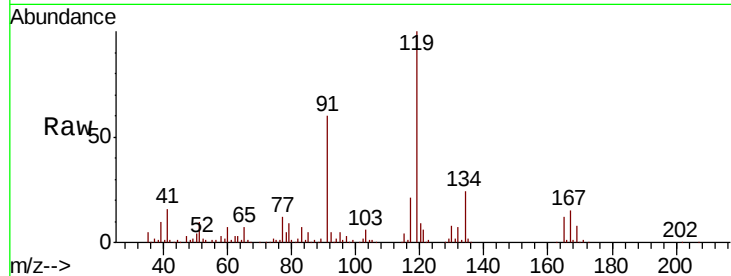
#83
 tert-Butylbenzene
 Concen: 51.607 ug/l
 RT: 12.16 min Scan# 1169
 Delta R.T. 0.03 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MSD

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	176543		
91	60.4	30.5	91.5	
134	24.0	12.4	37.4	

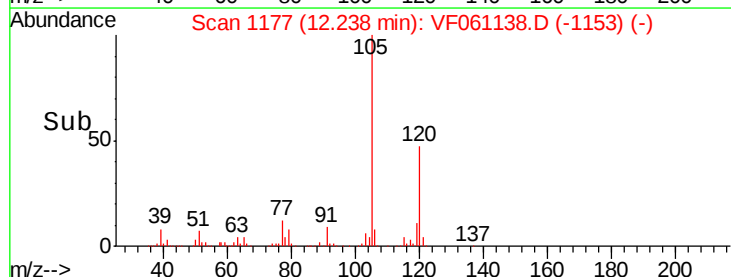
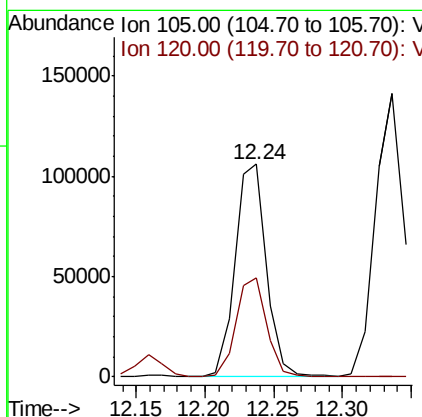
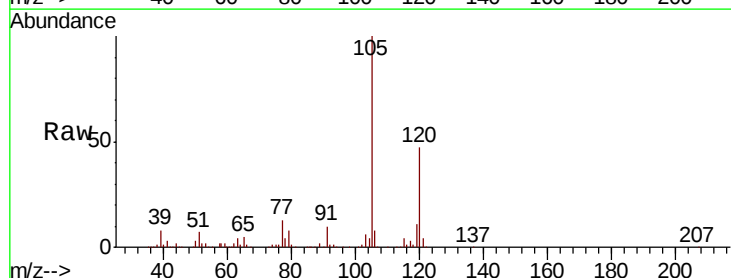
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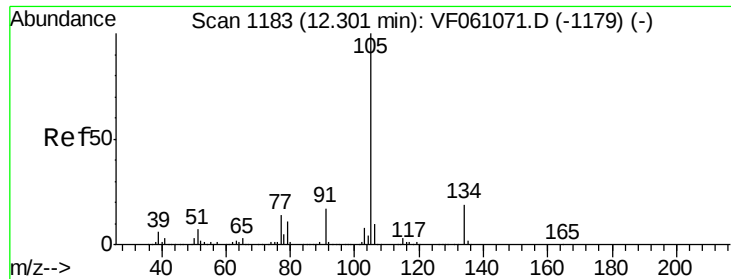
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.546 ug/l
 RT: 12.24 min Scan# 1177
 Delta R.T. 0.04 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	167567		
120	46.5	23.6	71.0	





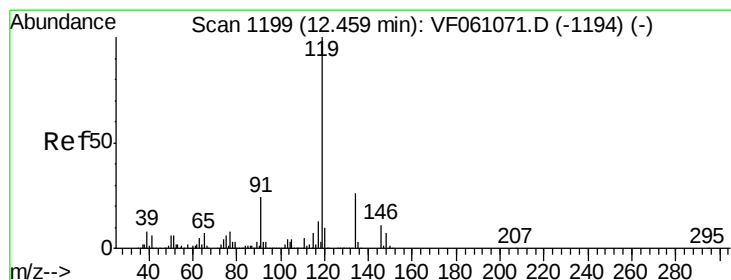
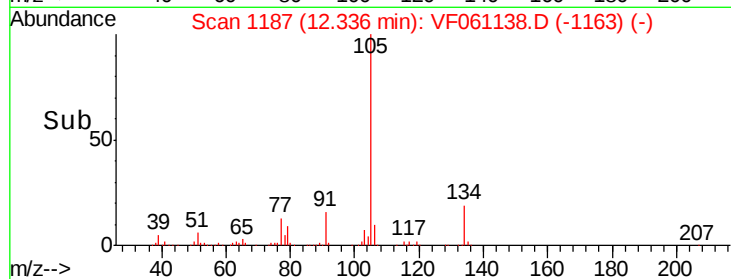
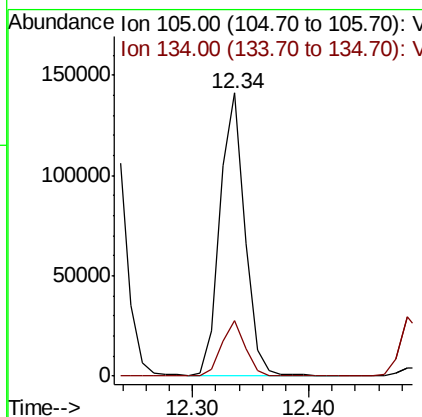
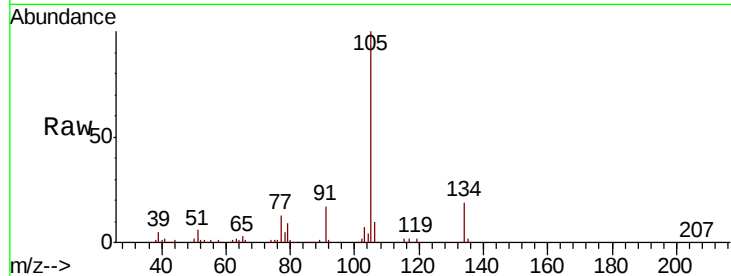
#85
 sec-Butylbenzene
 Concen: 46.829 ug/l
 RT: 12.34 min Scan# 1187
 Delta R.T. 0.04 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MSD

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	209061		
134	19.5	9.4	28.2	

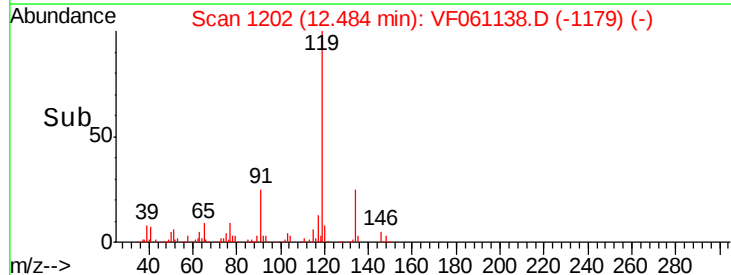
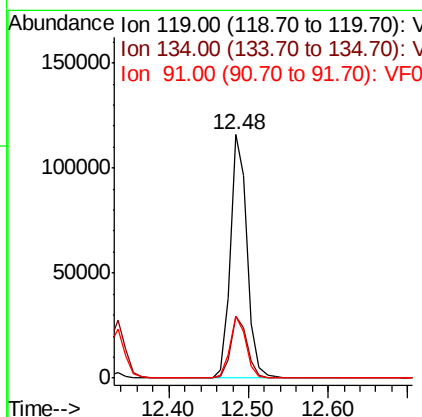
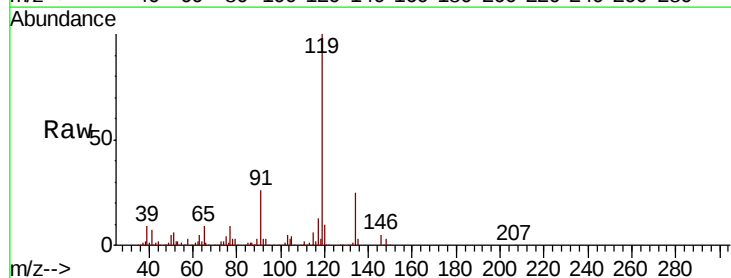
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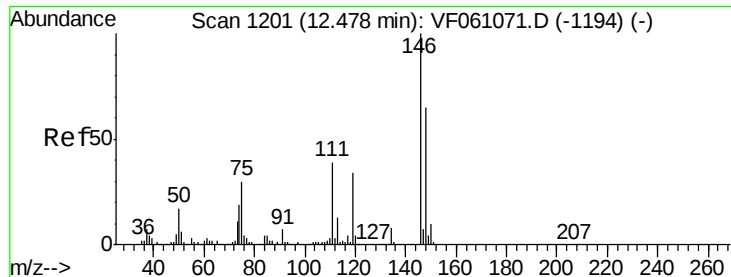
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#86
 p-Isopropyltoluene
 Concen: 46.159 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. 0.03 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	171047		
134	25.3	12.8	38.4	
91	25.6	12.2	36.6	





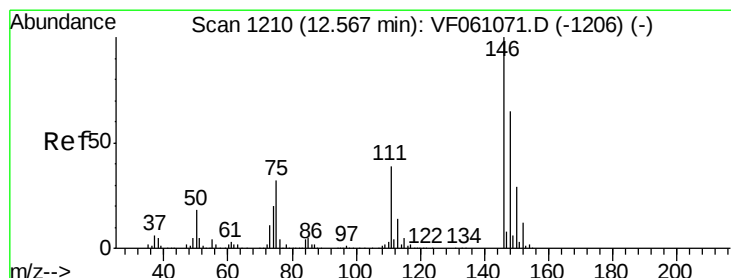
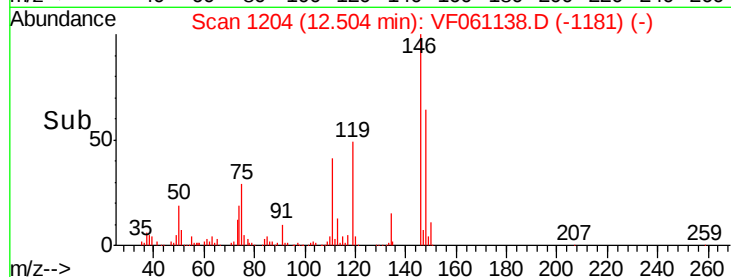
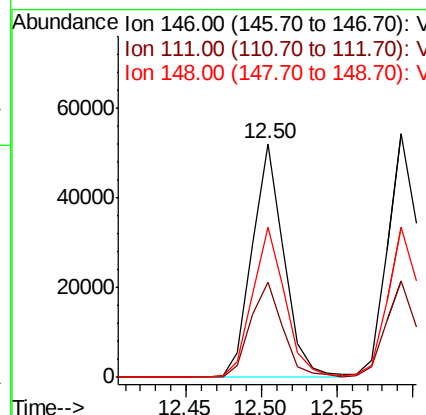
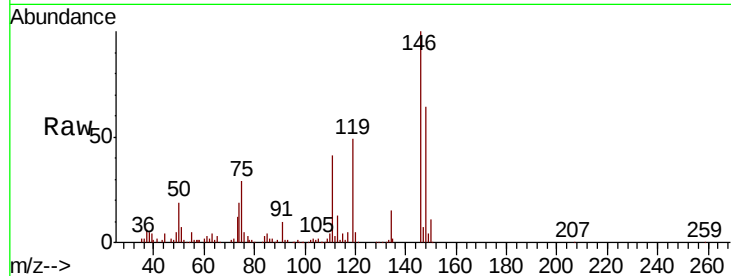
#87
 1,3-Dichlorobenzene
 Concen: 54.272 ug/l
 RT: 12.50 min Scan# 1204
 Delta R.T. 0.03 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MSD

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	19.3	57.9
148	64.4	32.4	97.2

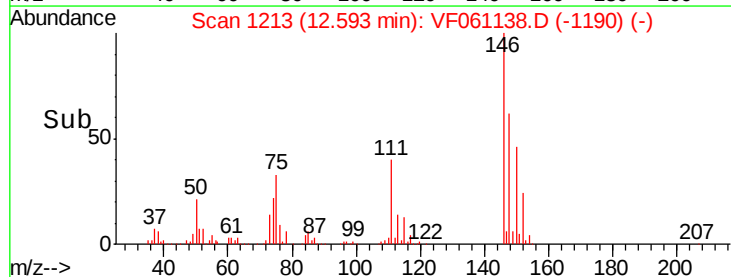
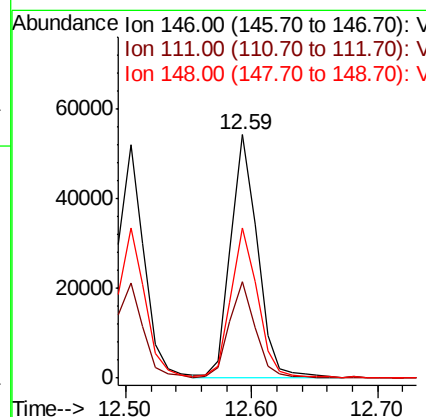
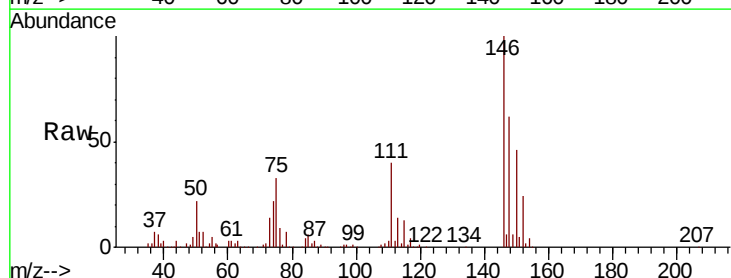
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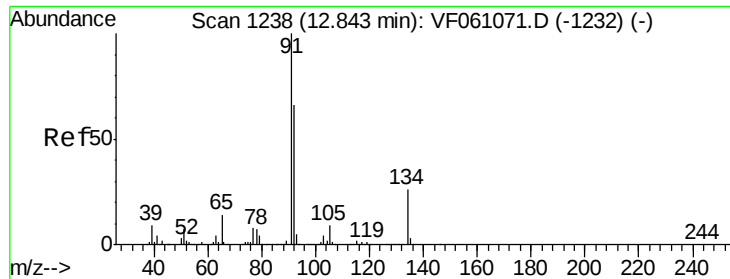
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#88
 1,4-Dichlorobenzene
 Concen: 49.935 ug/l
 RT: 12.59 min Scan# 1213
 Delta R.T. 0.03 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.4	58.4
148	61.6	32.4	97.0





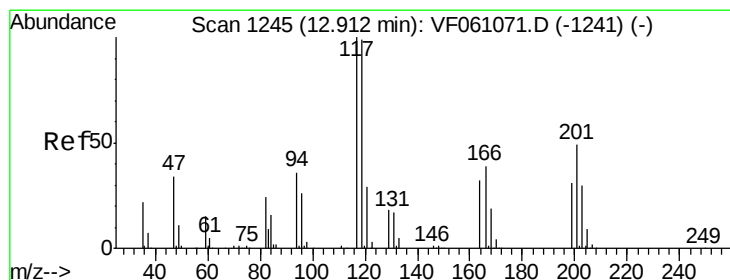
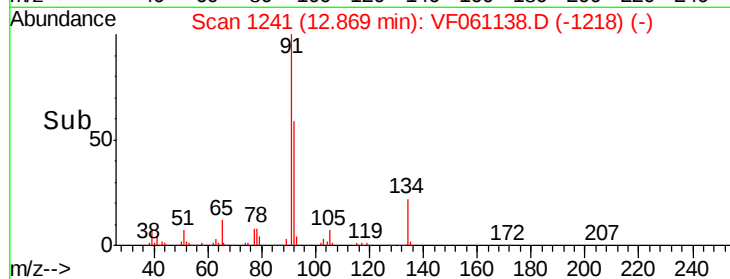
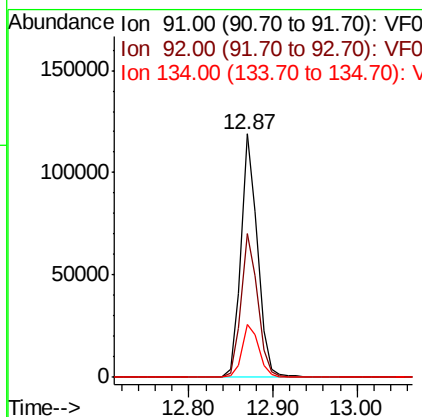
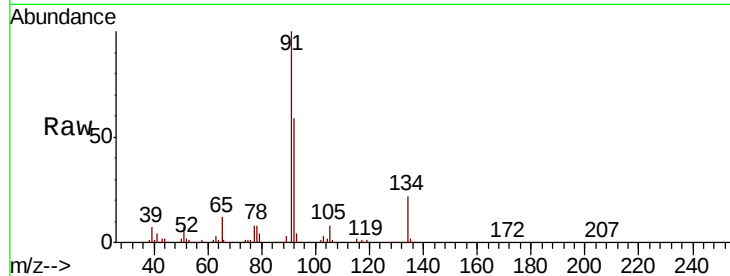
#89
n-Butylbenzene
Concen: 42.059 ug/l
RT: 12.87 min Scan# 1241
Delta R.T. 0.03 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	163292		
92	59.1	32.8	98.4	
134	21.8	13.2	39.5	

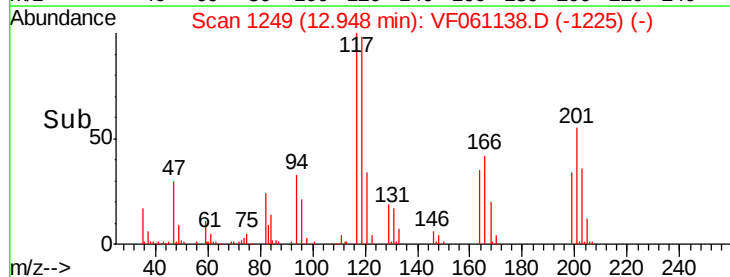
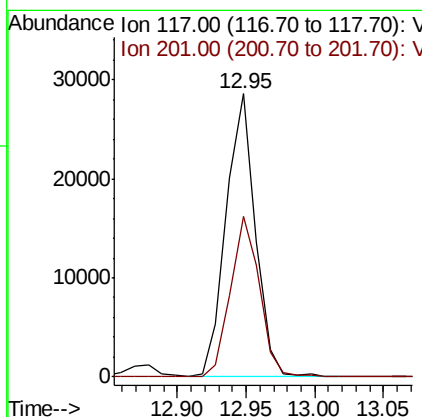
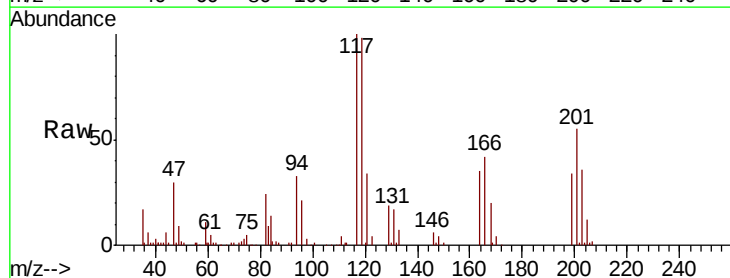
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#90
Hexachloroethane
Concen: 46.095 ug/l
RT: 12.95 min Scan# 1249
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	42201		
201	56.8	24.9	74.8	





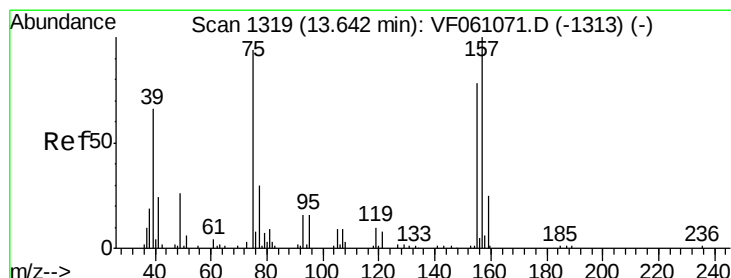
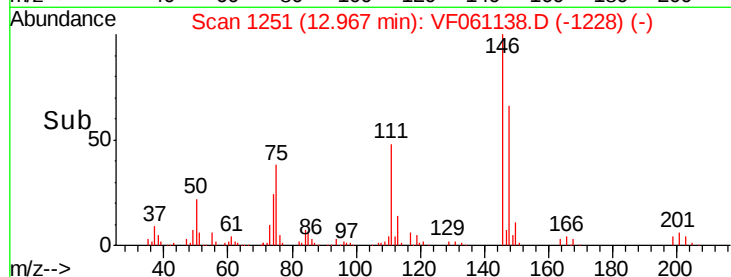
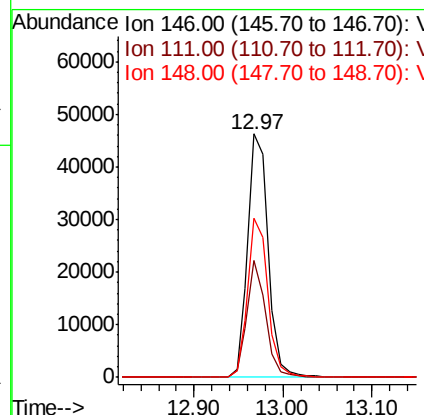
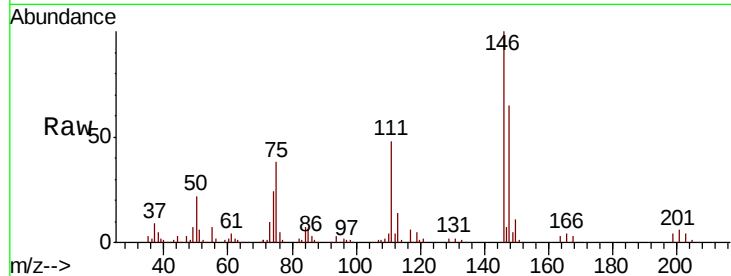
#91
 1,2-Dichlorobenzene
 Concen: 47.690 ug/l
 RT: 12.97 min Scan# 1251
 Delta R.T. 0.03 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SD006-0612-01MSD

Tgt Ion: 146 Resp: 74097
 Ion Ratio Lower Upper
 146 100
 111 48.2 23.2 69.5
 148 65.3 32.4 97.0

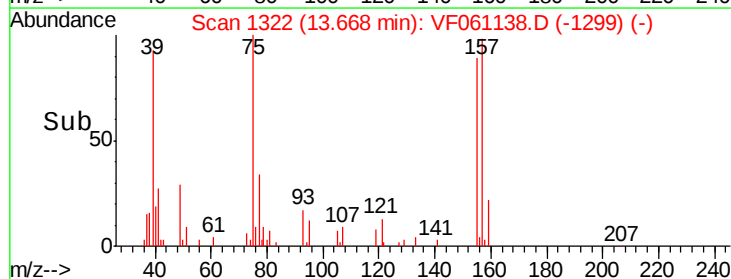
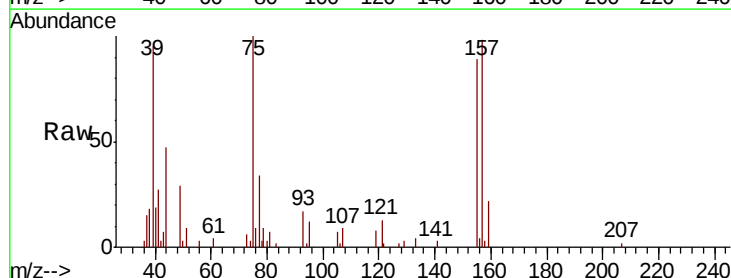
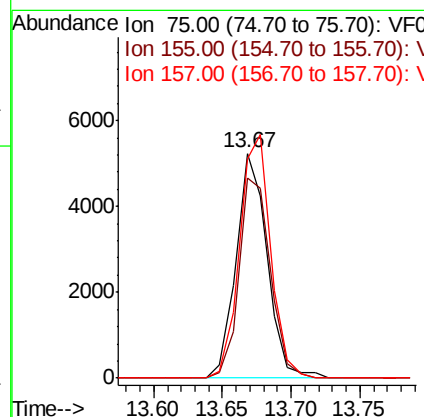
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 67.006 ug/l
 RT: 13.67 min Scan# 1322
 Delta R.T. 0.03 min
 Lab File: VF061138.D
 Acq: 21 Dec 2018 21:03

Tgt Ion: 75 Resp: 8239
 Ion Ratio Lower Upper
 75 100
 155 89.0 41.5 124.5
 157 97.9 53.2 159.6





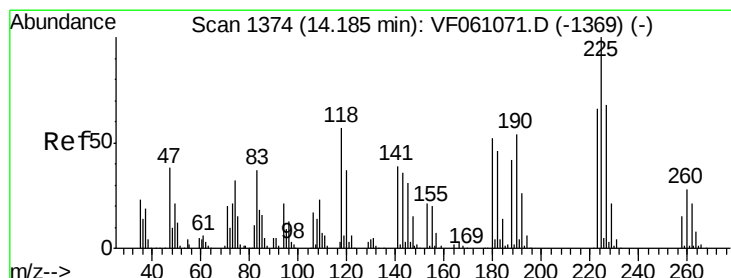
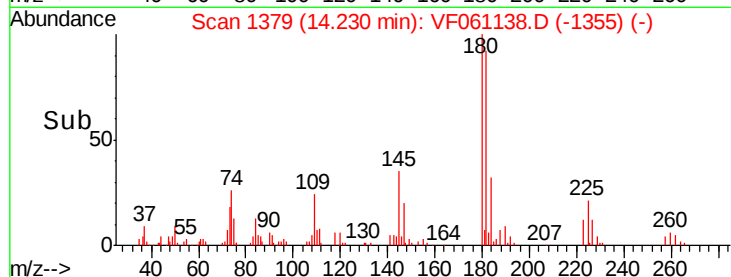
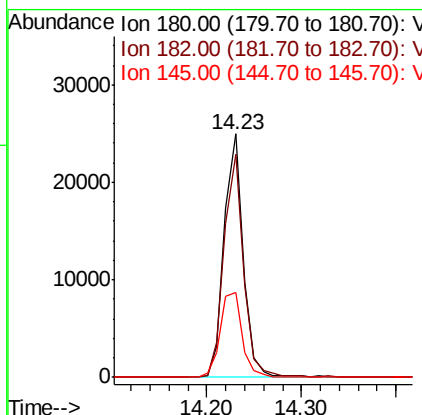
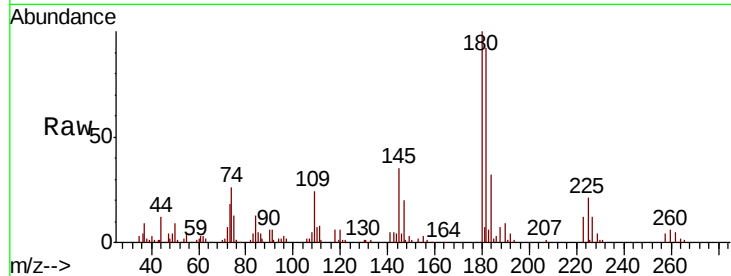
#93
1,2,4-Trichlorobenzene
Concen: 31.743 ug/l
RT: 14.23 min Scan# 1379
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	34977		
182	91.9	46.9	140.6	
145	35.0	20.5	61.6	

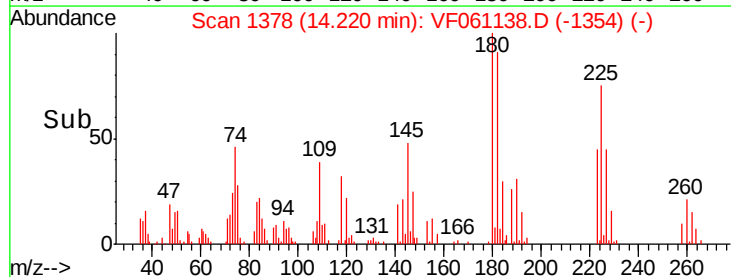
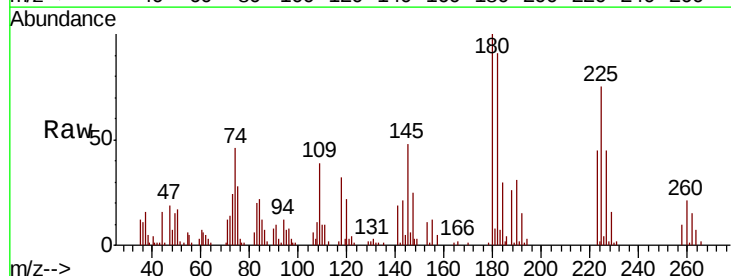
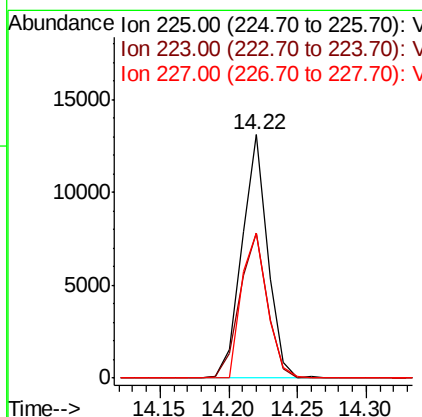
Manual Integrations
APPROVED

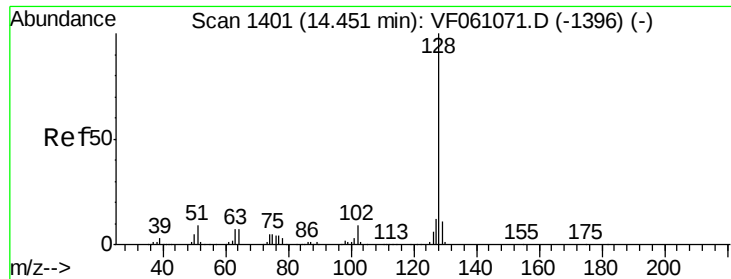
MMDadoda
12/26/2018 10:51:51 AM



#94
Hexachlorobutadiene
Concen: 24.372 ug/l
RT: 14.22 min Scan# 1378
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	17104		
223	59.7	32.8	98.3	
227	59.7	34.0	101.8	





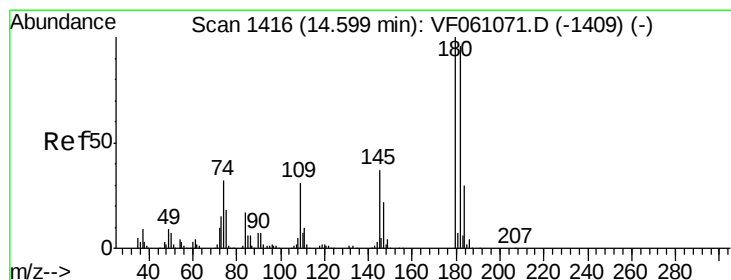
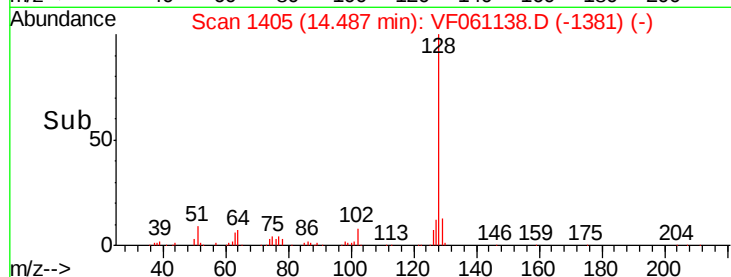
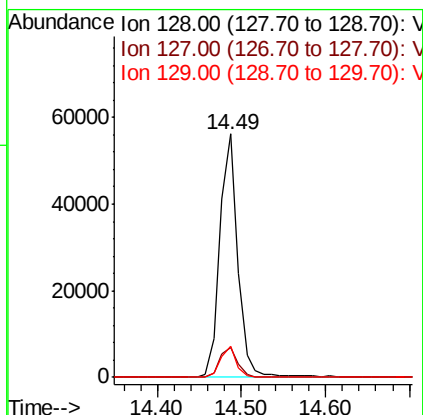
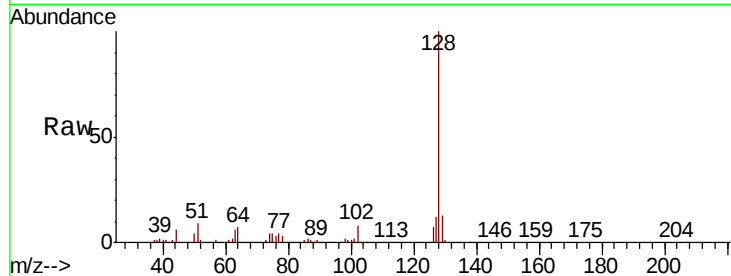
#95
Naphthalene
Concen: 41.781 ug/l
RT: 14.49 min Scan# 1405
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Instrument :
MSVOA_F
ClientSampleId :
P001-SD006-0612-01MSD

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.4	14.2
129	12.7	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
12/26/2018 10:51:51 AM



#96
1,2,3-Trichlorobenzene
Concen: 29.914 ug/l
RT: 14.63 min Scan# 1420
Delta R.T. 0.04 min
Lab File: VF061138.D
Acq: 21 Dec 2018 21:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	47.9	143.8
145	30.2	18.6	55.8

