

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF010819\
 Data File : VF061288.D
 Acq On : 8 Jan 2019 15:59
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Jan 09 06:07:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 15:56:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.88	168	176512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.61	114	291876	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	292350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	143652	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	140295	62.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.24%	
35) Dibromofluoromethane	4.13	113	169015	75.27	ug/l	0.02
Spiked Amount	50.000		Recovery	=	150.54%	
50) Toluene-d8	7.56	98	501414	75.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	150.50%	
62) 4-Bromofluorobenzene	11.42	95	212388	71.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	143.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.97	85	236516	69.786	ug/l	95
3) Chloromethane	1.09	50	213096	82.075	ug/l	92
4) Vinyl Chloride	1.14	62	190906	84.888	ug/l	97
5) Bromomethane	1.30	94	139480	90.716	ug/l	89
6) Chloroethane	1.38	64	95589	93.789	ug/l	96
7) Trichlorofluoromethane	1.47	101	325895	80.528	ug/l	95
8) Diethyl Ether	1.64	74	44263	76.665	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.82	101	168539	83.355	ug/l	99
10) Methyl Iodide	1.85	142	268464	82.179	ug/l	98
11) Tert butyl alcohol	2.57	59	28893	305.598	ug/l #	88
12) 1,1-Dichloroethene	1.75	96	142118	83.617	ug/l	98
13) Acrolein	2.00	56	29815	336.911	ug/l	87
14) Allyl chloride	2.10	41	253155	107.739	ug/l	98
15) Acrylonitrile	2.95	53	99645	394.225	ug/l	97
16) Acetone	2.24	43	148952	331.947	ug/l	92
17) Carbon Disulfide	1.77	76	457729	88.443	ug/l	99
18) Methyl Acetate	2.43	43	68145	68.626	ug/l	95
19) Methyl tert-butyl Ether	2.43	73	250810	70.794	ug/l	99
20) Methylene Chloride	2.19	84	136026	65.318	ug/l	95
21) trans-1,2-Dichloroethene	2.32	96	142287	79.597	ug/l	95
22) Diisopropyl ether	2.80	45	479610	81.175	ug/l	96
23) Vinyl Acetate	3.19	43	669559	247.455	ug/l	99
24) 1,1-Dichloroethane	2.88	63	274393	79.212	ug/l	100
25) 2-Butanone	4.35	43	227864	270.516	ug/l	100
26) 2,2-Dichloropropane	3.61	77	182657	91.566	ug/l	96
27) cis-1,2-Dichloroethene	3.49	96	201313	76.639	ug/l	90
28) Bromochloromethane	3.74	49	120100	73.239	ug/l #	94
29) Tetrahydrofuran	4.08	42	99299	303.199	ug/l	98
30) Chloroform	3.88	83	347750	71.769	ug/l	98
31) Cyclohexane	3.71	56	283954	77.339	ug/l	94
32) 1,1,1-Trichloroethane	4.11	97	280240	89.044	ug/l	99
36) 1,1-Dichloropropene	4.29	75	250480	72.866	ug/l	97
37) Ethyl Acetate	4.12	43	88034	64.141	ug/l #	98
38) Carbon Tetrachloride	4.00	117	247586	89.963	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	304973	82.996	ug/l	97
40) Benzene	4.64	78	564448	72.351	ug/l	99
41) Methacrylonitrile	4.76	41	47188	60.463	ug/l	94
42) 1,2-Dichloroethane	4.95	62	179035	68.589	ug/l	97
43) Isopropyl Acetate	6.97	43	110033	60.083	ug/l #	99
44) Trichloroethene	5.52	130	157121	64.701	ug/l	91
45) 1,2-Dichloropropane	6.24	63	149714	75.166	ug/l	98
46) Dibromomethane	6.09	93	92605	70.658	ug/l	96
47) Bromodichloromethane	6.40	83	230391	69.058	ug/l	98
48) Methyl methacrylate	6.73	41	76152	64.216	ug/l	97
49) 1,4-Dioxane	6.72	88	10051	1223.227	ug/l #	85
51) 4-Methyl-2-Pentanone	8.26	43	433679	340.957	ug/l	98
52) Toluene	7.63	92	369147	72.466	ug/l	100
53) t-1,3-Dichloropropene	8.29	75	172516	63.433	ug/l	96
54) cis-1,3-Dichloropropene	7.32	75	231147	66.870	ug/l	97
55) 1,1,2-Trichloroethane	8.50	97	102470	69.948	ug/l	99
56) Ethyl methacrylate	8.63	69	119581	73.861	ug/l	98
57) 1,3-Dichloropropane	8.87	76	179759	65.277	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.31	63	24610	125.172	ug/l #	88
59) 2-Hexanone	9.50	43	286825	311.484	ug/l	100
60) Dibromochloromethane	8.73	129	146061	70.193	ug/l	99
61) 1,2-Dibromoethane	8.99	107	104076	65.828	ug/l	98
64) Tetrachloroethene	8.17	164	142122	63.435	ug/l	95
65) Chlorobenzene	9.81	112	405418	68.198	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	167041	68.422	ug/l	97
67) Ethyl Benzene	9.91	91	758669	69.424	ug/l	95
68) m/p-Xylenes	10.14	106	516432	129.493	ug/l	97
69) o-Xylene	10.72	106	295637	68.526	ug/l	100
70) Styrene	10.80	104	384489	64.740	ug/l	99
71) Bromoform	10.78	173	68460	60.233	ug/l #	97
73) Isopropylbenzene	11.14	105	878868	72.025	ug/l	97
74) N-amyl acetate	11.38	43	184835	59.997	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.71	83	136126	63.867	ug/l	98
76) 1,2,3-Trichloropropane	11.81	75	97816	61.821	ug/l	99
77) Bromobenzene	11.50	156	165740	64.701	ug/l	88
78) n-propylbenzene	11.60	91	983219	67.600	ug/l	99
79) 2-Chlorotoluene	11.73	91	567257	67.531	ug/l	99
80) 1,3,5-Trimethylbenzene	11.84	105	700349	71.094	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.88	75	56413	77.791	ug/l	96
82) 4-Chlorotoluene	11.90	91	556126	65.309	ug/l	96
83) tert-Butylbenzene	12.14	119	669735	65.939	ug/l	98
84) 1,2,4-Trimethylbenzene	12.21	105	687915	70.146	ug/l	100
85) sec-Butylbenzene	12.31	105	952667	69.147	ug/l	98
86) p-Isopropyltoluene	12.47	119	792295	69.794	ug/l	99
87) 1,3-Dichlorobenzene	12.49	146	318788	64.493	ug/l	97
88) 1,4-Dichlorobenzene	12.58	146	314940	65.301	ug/l	98
89) n-Butylbenzene	12.85	91	802696	68.822	ug/l	99
90) Hexachloroethane	12.92	117	193458	69.076	ug/l	91
91) 1,2-Dichlorobenzene	12.95	146	320245	67.067	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	24610	64.252	ug/l	94

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Quant Title : SW846 8260
QLast Update : Tue Jan 08 15:56:30 2019
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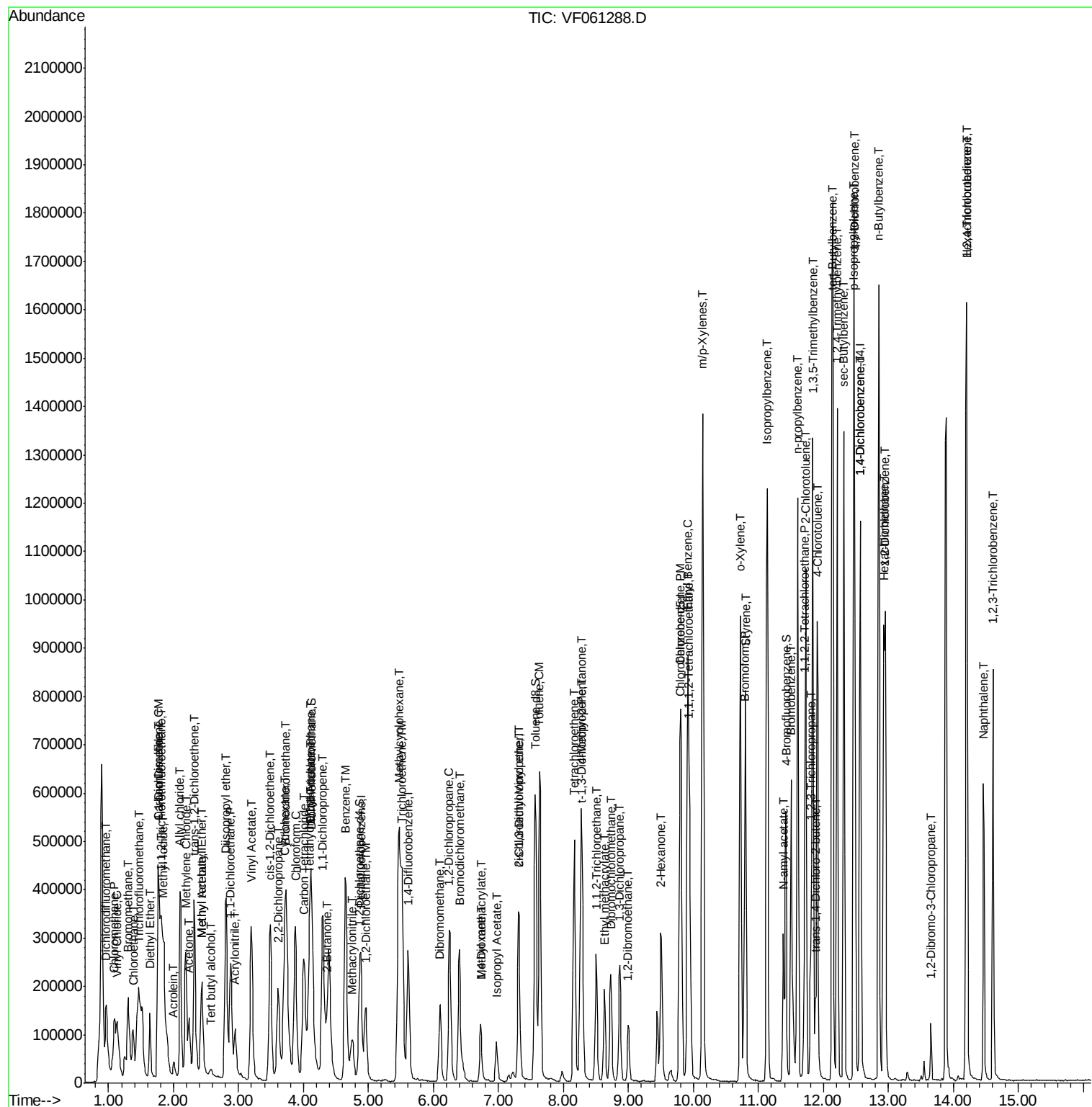
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.20	180	226571	67.762	ug/l	94
94) Hexachlorobutadiene	14.19	225	154739	72.636	ug/l	99
95) Naphthalene	14.46	128	448894	71.824	ug/l	99
96) 1,2,3-Trichlorobenzene	14.61	180	214270	69.115	ug/l	96

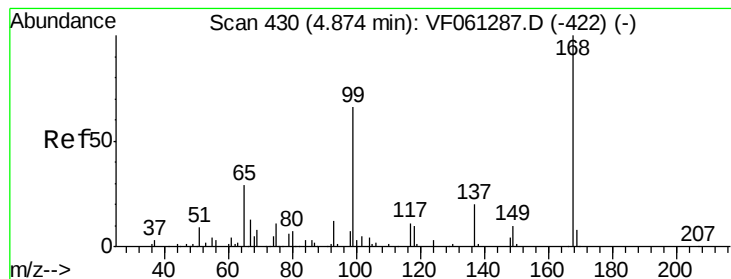
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.88 min Scan# 431

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

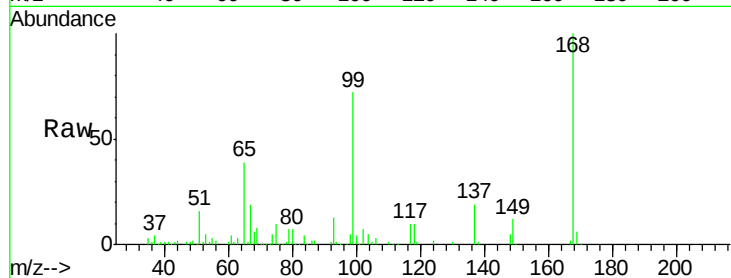
VSTDIC075

Tot Ion:168 Resp: 176512

Ion Ratio Lower Upper

168 100

99 72.1 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.88

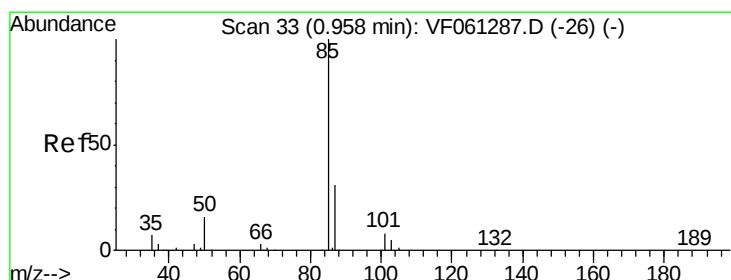
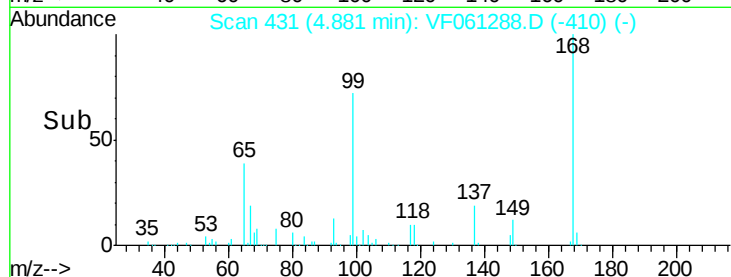
60000

40000

20000

0

Time--> 4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 69.786 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF061288.D

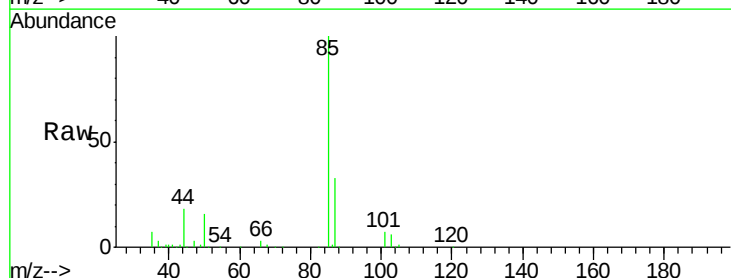
Acq: 8 Jan 2019 15:59

Tgt Ion: 85 Resp: 236516

Ion Ratio Lower Upper

85 100

87 33.4 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

80000

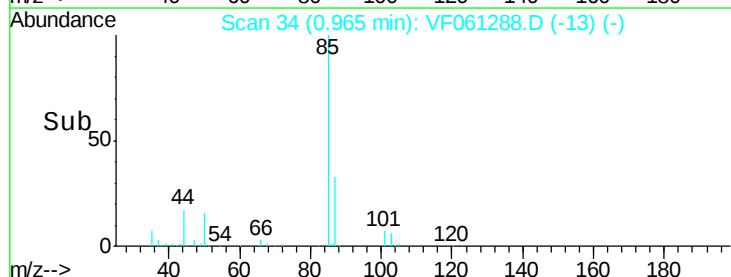
60000

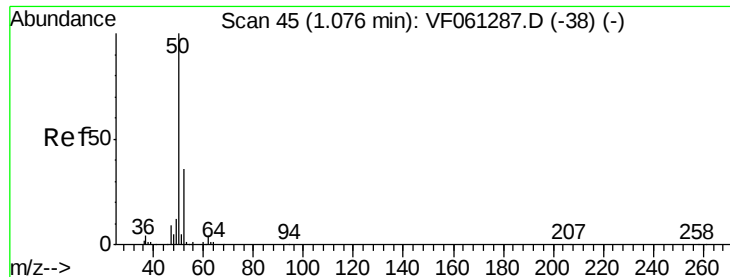
40000

20000

0

Time--> 0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 82.075 ug/l

RT: 1.09 min Scan# 47

Delta R.T. 0.02 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

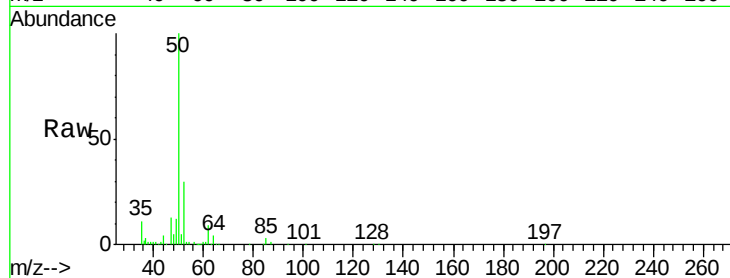
VSTDIC075

Tot Ion: 50 Resp: 213096

Ion Ratio Lower Upper

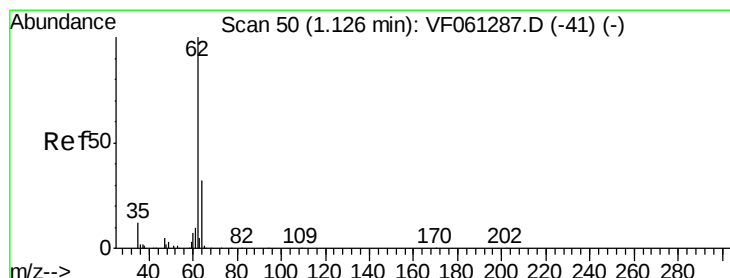
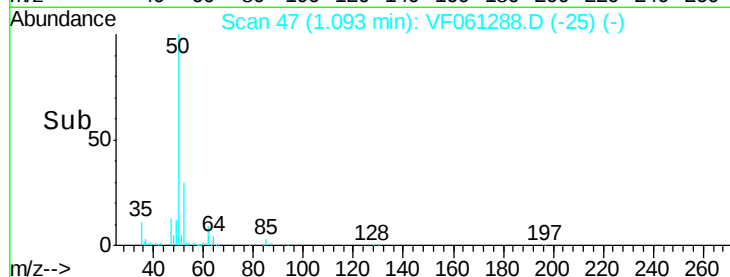
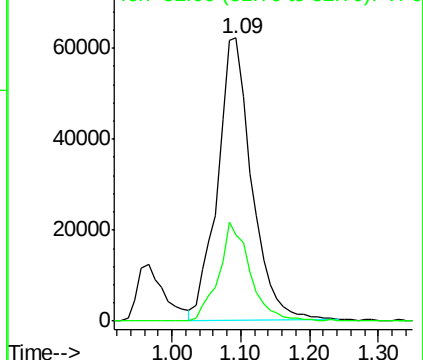
50 100

52 30.4 28.2 42.2



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 84.888 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.02 min

Lab File: VF061288.D

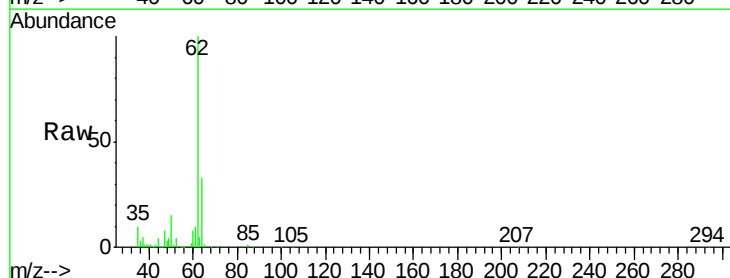
Acq: 8 Jan 2019 15:59

Tgt Ion: 62 Resp: 190906

Ion Ratio Lower Upper

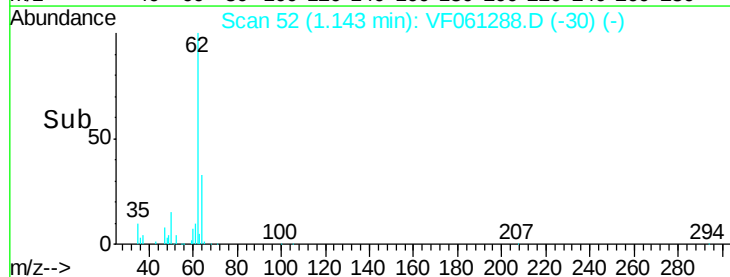
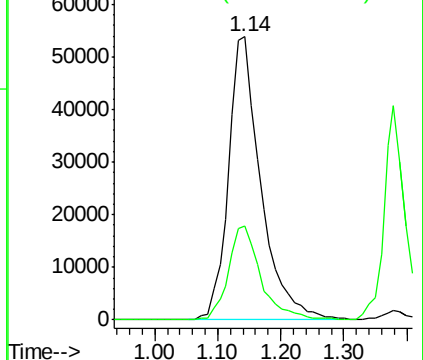
62 100

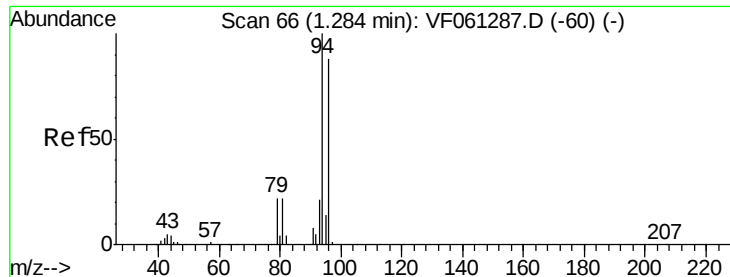
64 33.1 25.4 38.0



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 90.716 ug/l

RT: 1.30 min Scan# 68

Delta R.T. 0.02 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

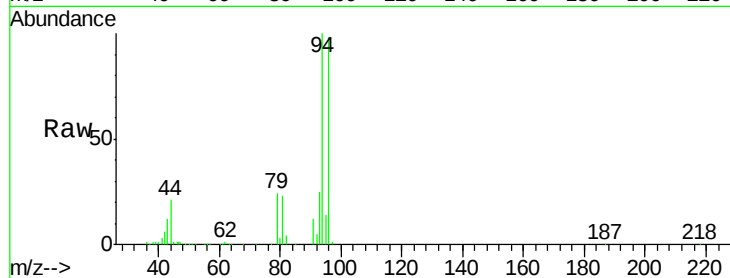
VSTDIC075

Tot Ion: 94 Resp: 139480

Ion Ratio Lower Upper

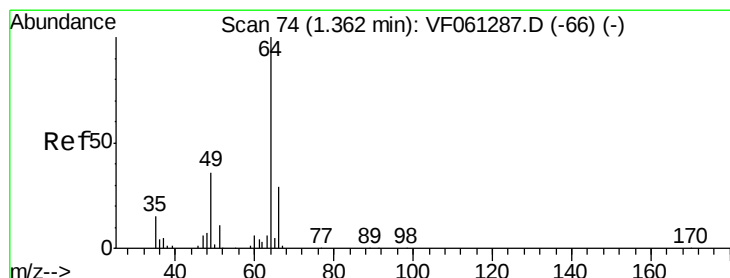
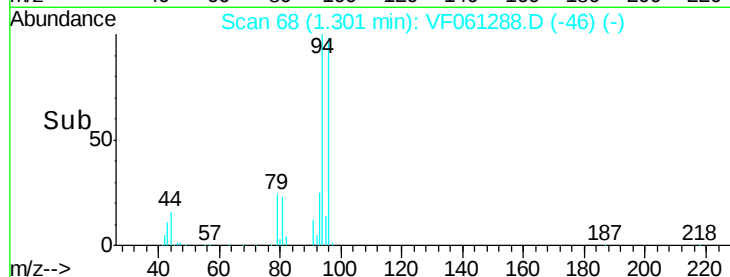
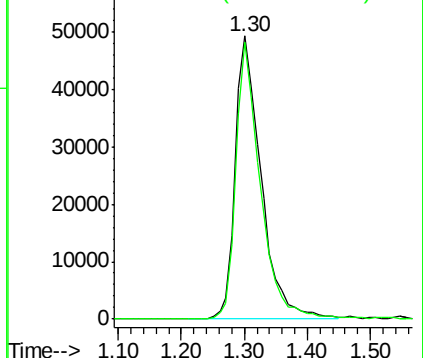
94 100

96 97.8 70.2 105.4



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 93.789 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.02 min

Lab File: VF061288.D

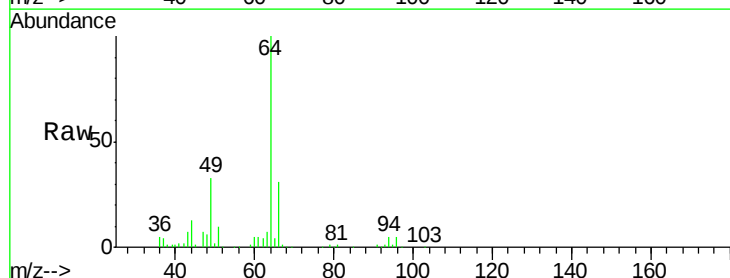
Acq: 8 Jan 2019 15:59

Tgt Ion: 64 Resp: 95589

Ion Ratio Lower Upper

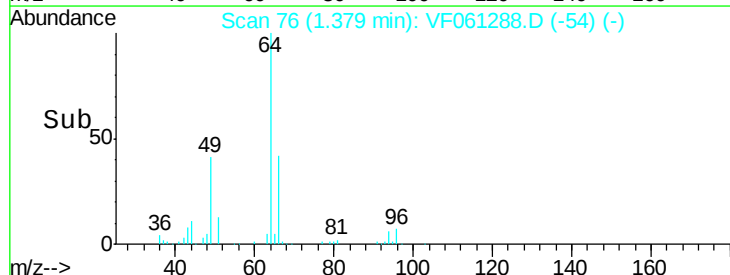
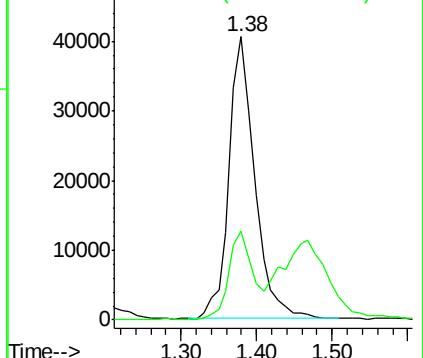
64 100

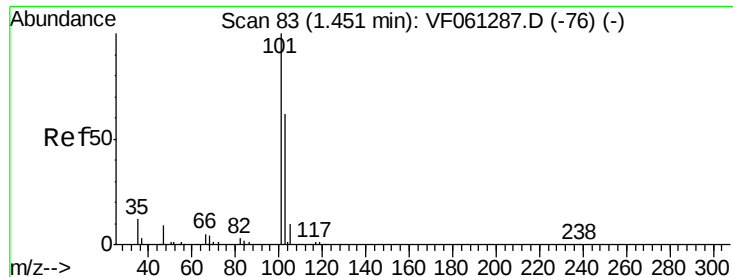
66 31.5 23.4 35.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#7

Trichlorofluoromethane

Concen: 80.528 ug/l

RT: 1.47 min Scan# 85

Delta R.T. 0.02 min

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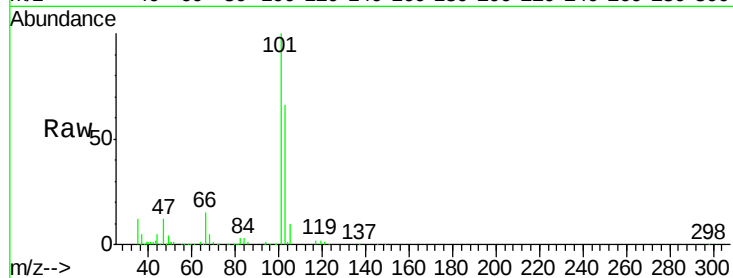
VSTDIC075

Tot Ion:101 Resp: 325895

Ion Ratio Lower Upper

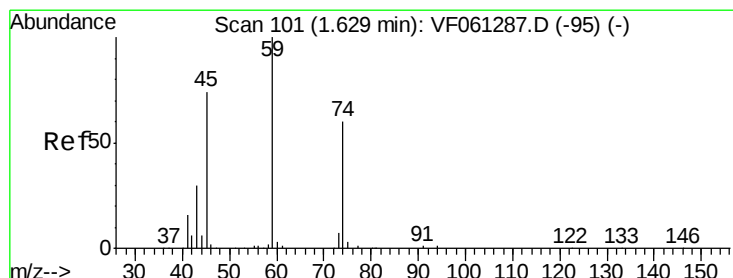
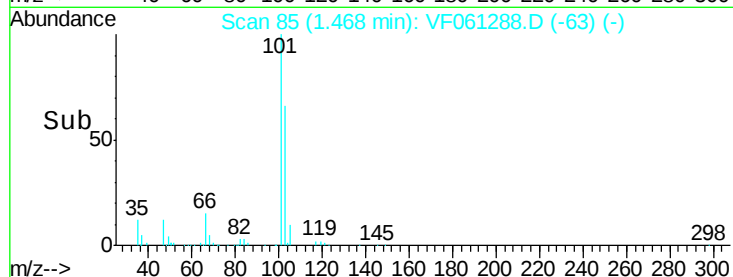
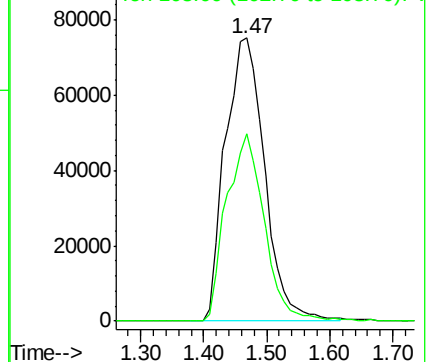
101 100

103 66.2 49.9 74.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 76.665 ug/l

RT: 1.64 min Scan# 102

Delta R.T. 0.01 min

Lab File: VF061288.D

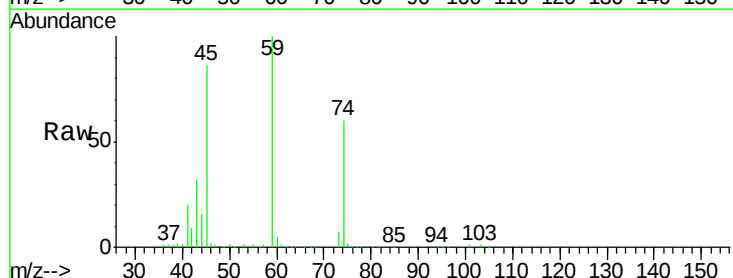
Acq: 8 Jan 2019 15:59

Tgt Ion: 74 Resp: 44263

Ion Ratio Lower Upper

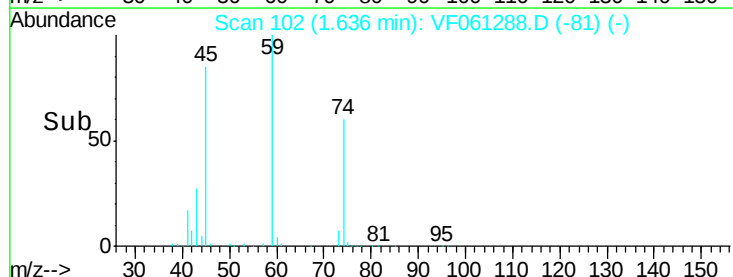
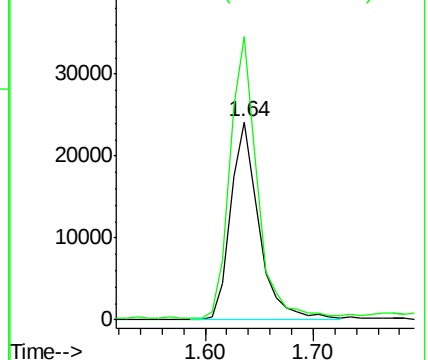
74 100

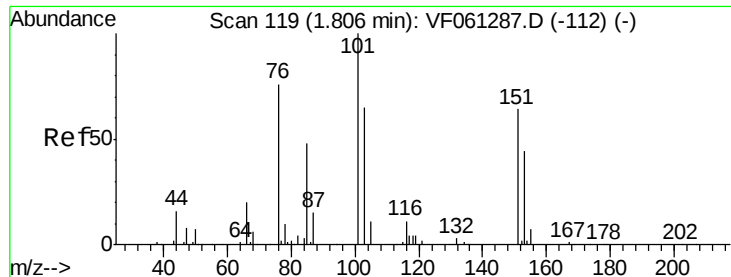
45 142.9 62.1 186.3



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 83.355 ug/l

RT: 1.82 min Scan# 121

Delta R.T. 0.02 min

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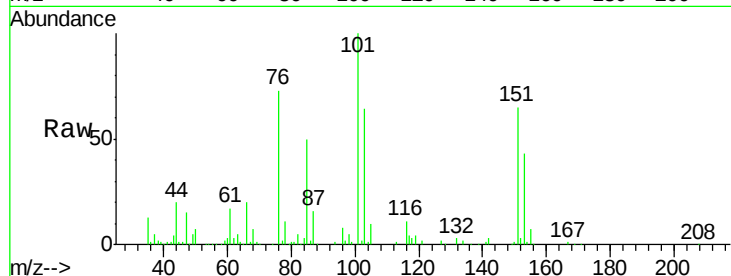
Tot Ion:101 Resp: 168539

Ion Ratio Lower Upper

101 100

85 49.5 38.4 57.6

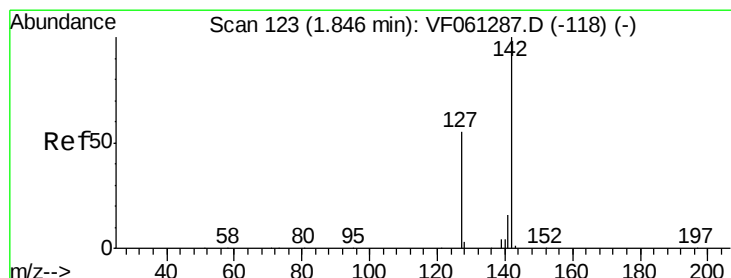
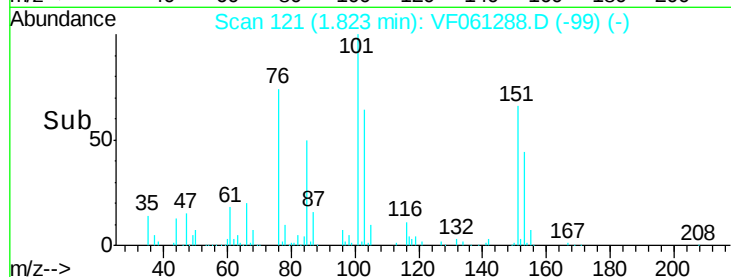
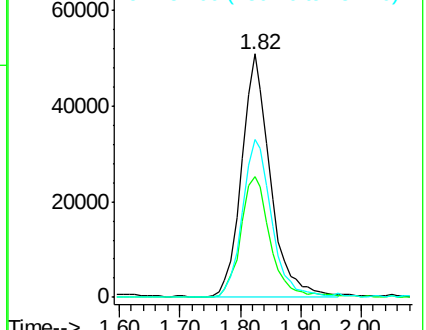
151 64.9 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 82.179 ug/l

RT: 1.85 min Scan# 124

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

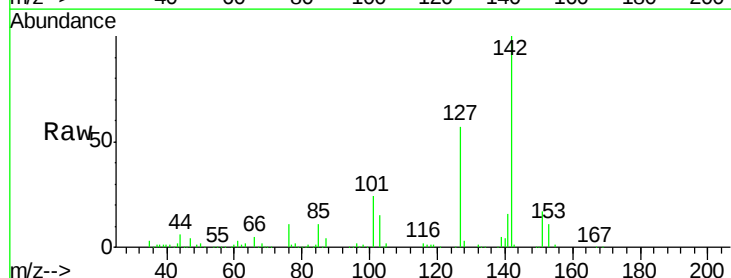
Tgt Ion:142 Resp: 268464

Ion Ratio Lower Upper

142 100

127 56.9 44.3 66.5

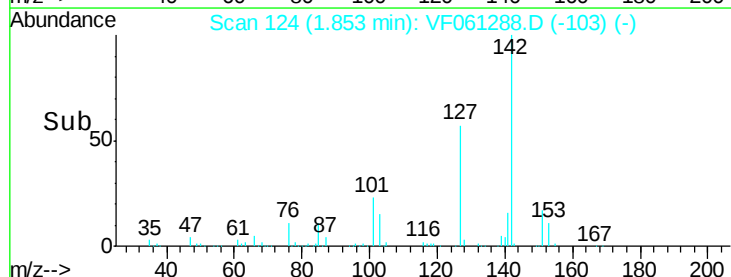
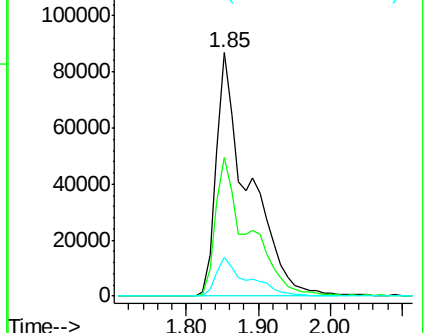
141 15.8 13.2 19.8

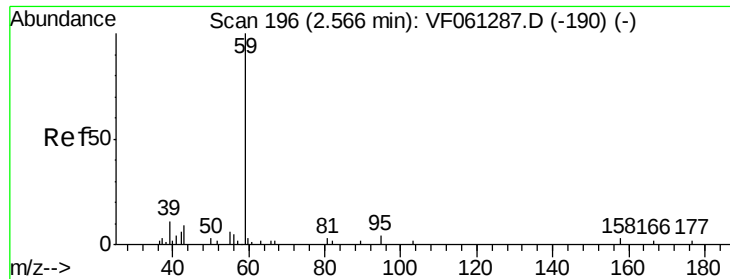


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



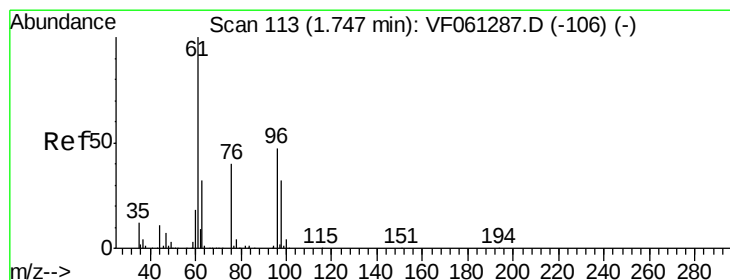
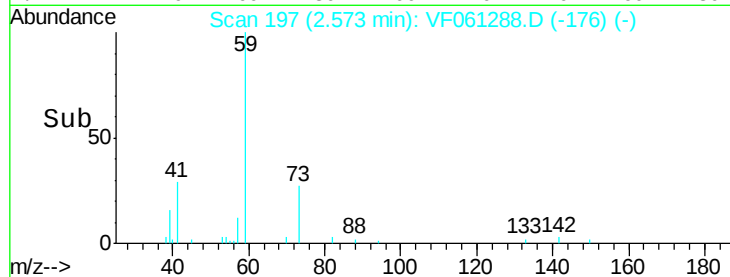
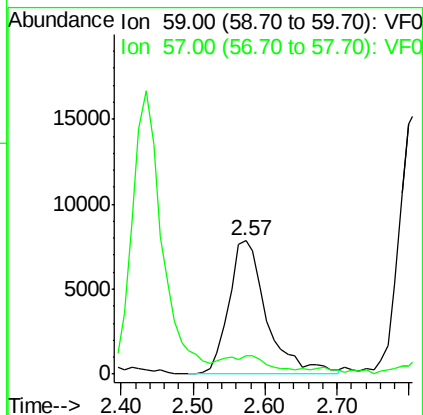
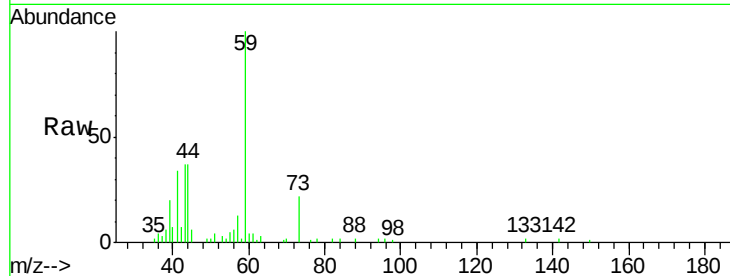


#11

Tert butyl alcohol
Concen: 305.598 ug/l
RT: 2.57 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

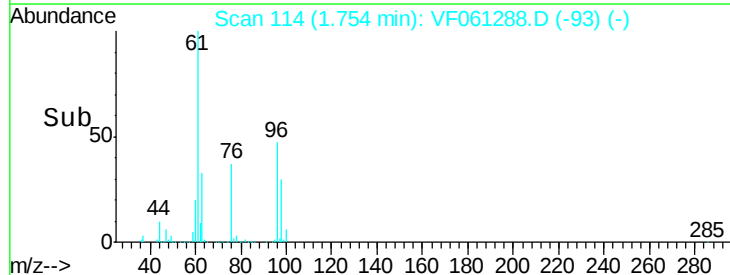
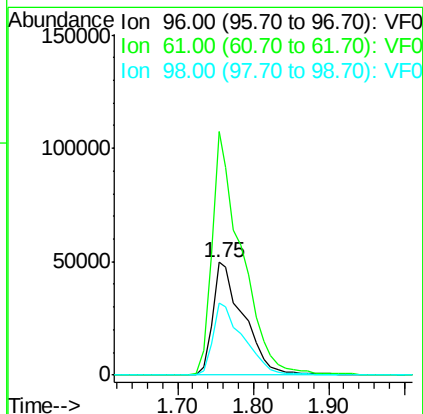
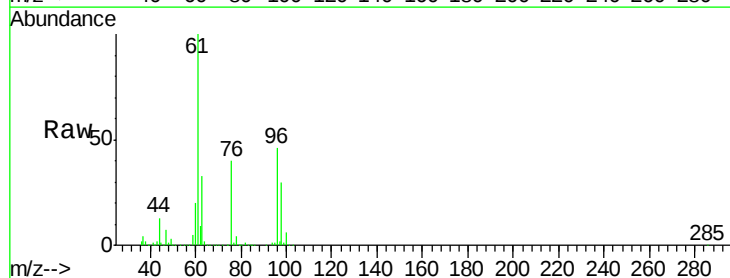
Tot Ion: 59 Resp: 28893
Ion Ratio Lower Upper
59 100
57 13.4 15.1 22.7#

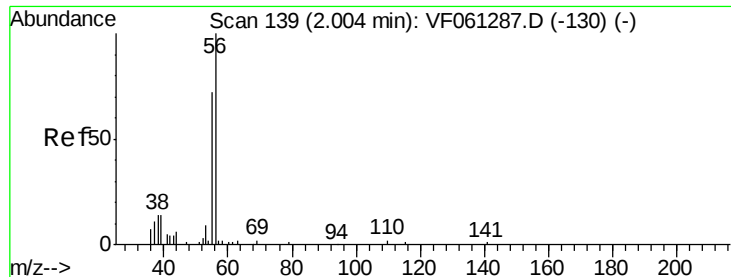


#12

1,1-Dichloroethene
Concen: 83.617 ug/l
RT: 1.75 min Scan# 114
Delta R.T. 0.01 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

Tgt Ion: 96 Resp: 142118
Ion Ratio Lower Upper
96 100
61 216.0 171.8 257.8
98 63.7 54.2 81.4





#13

Acrolein

Concen: 336.911 ug/l

RT: 2.00 min Scan# 139

Delta R.T. -0.00 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

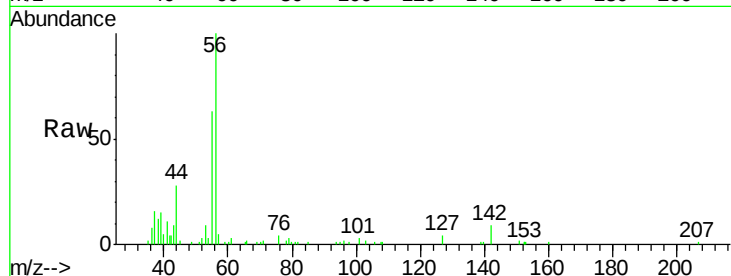
VSTDIC075

Tot Ion: 56 Resp: 29815

Ion Ratio Lower Upper

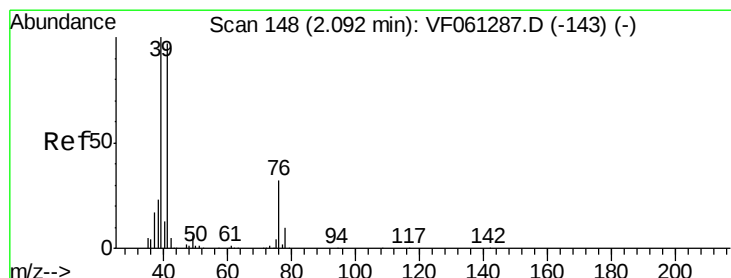
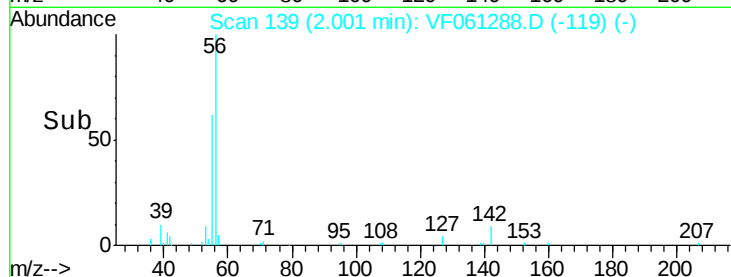
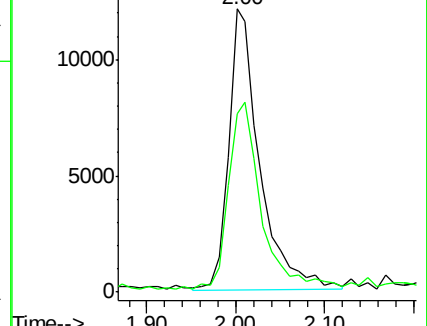
56 100

55 62.9 59.4 89.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 107.739 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

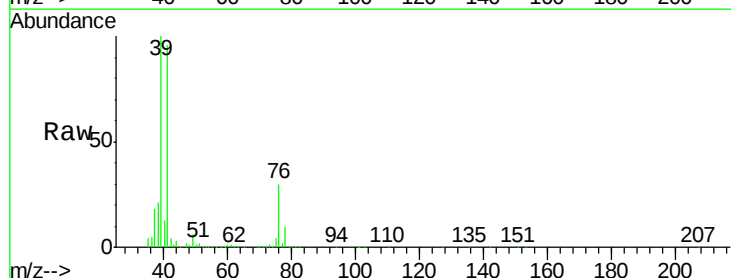
Tgt Ion: 41 Resp: 253155

Ion Ratio Lower Upper

41 100

39 103.8 82.6 123.8

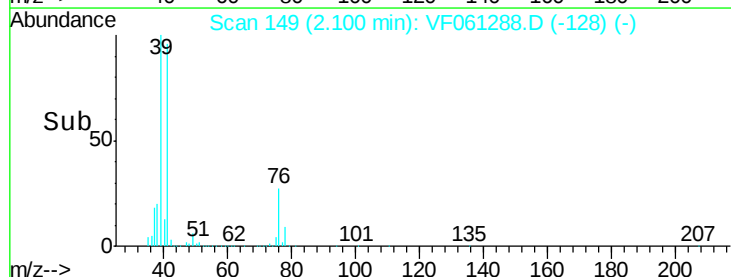
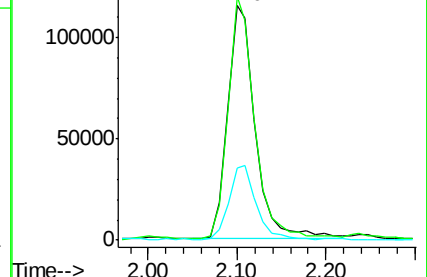
76 30.9 26.9 40.3

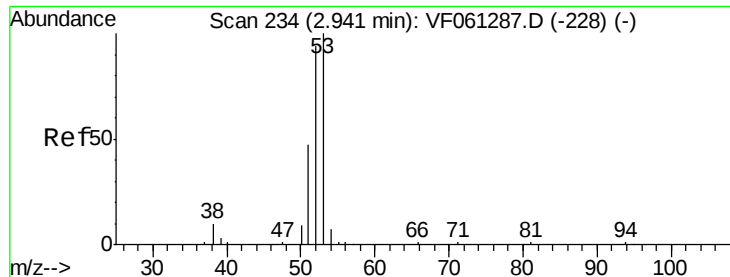


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 394.225 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

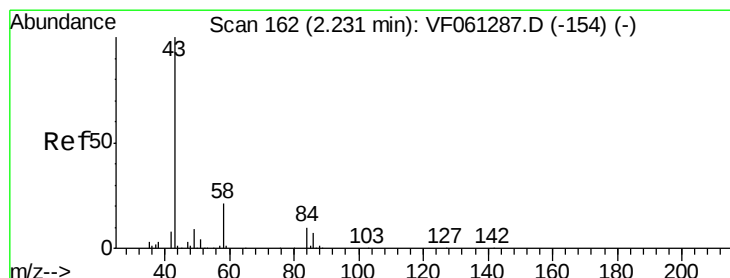
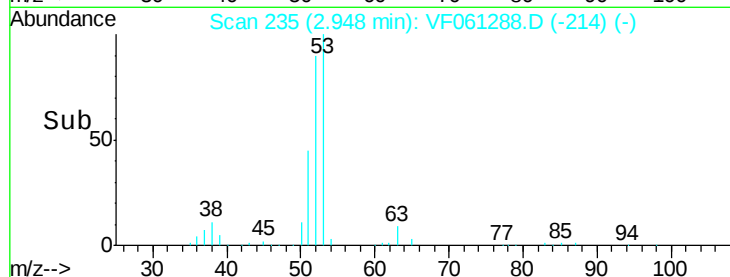
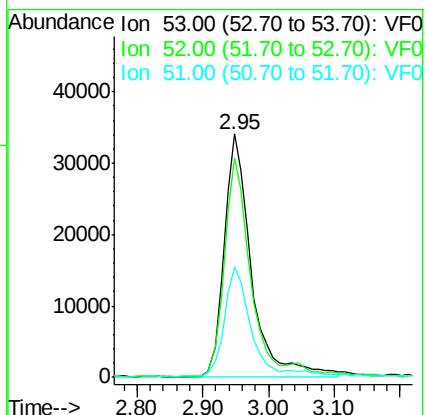
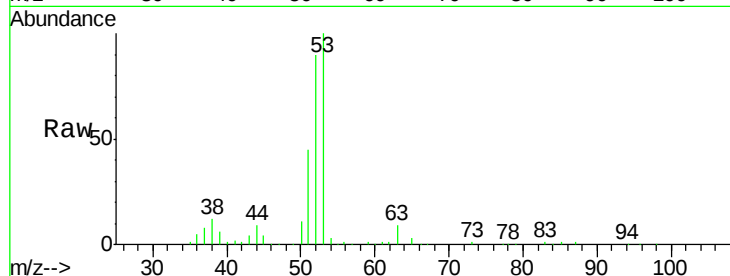
Tot Ion: 53 Resp: 99645

Ion Ratio Lower Upper

53 100

52 90.0 74.6 111.8

51 45.3 37.8 56.6



#16

Acetone

Concen: 331.947 ug/l

RT: 2.24 min Scan# 163

Delta R.T. 0.01 min

Lab File: VF061288.D

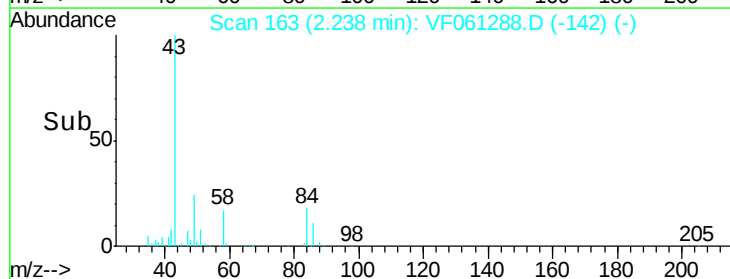
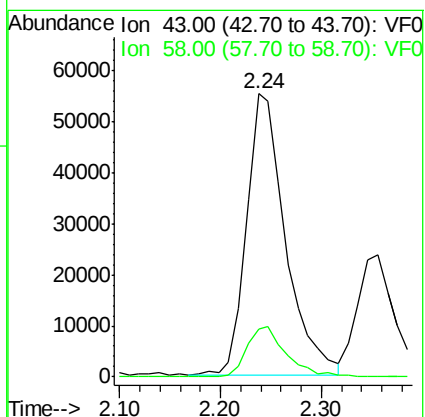
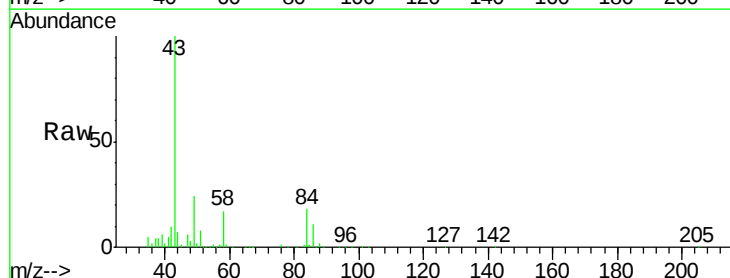
Acq: 8 Jan 2019 15:59

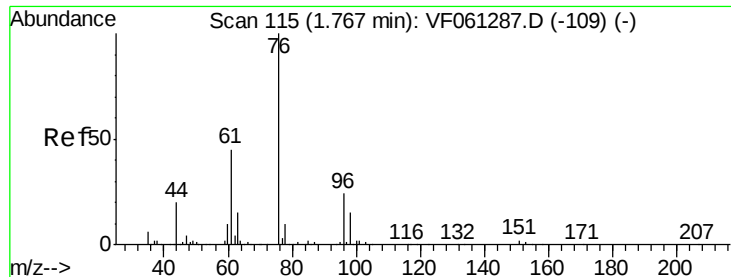
Tgt Ion: 43 Resp: 148952

Ion Ratio Lower Upper

43 100

58 16.8 16.6 25.0

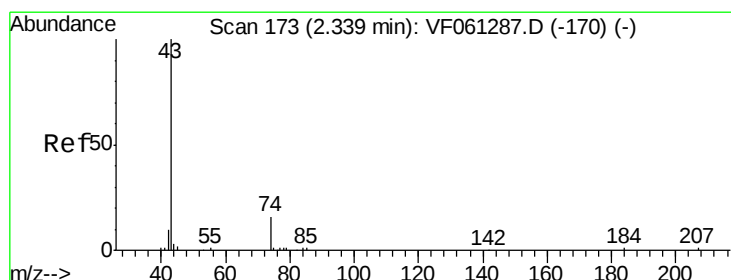
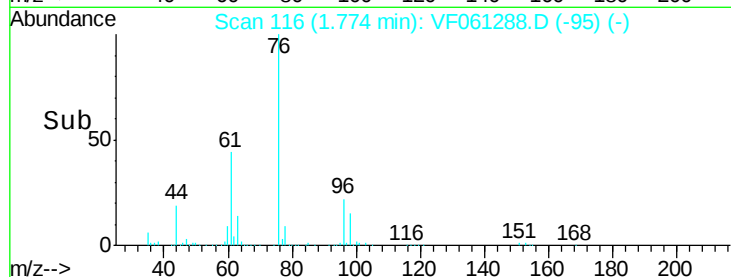
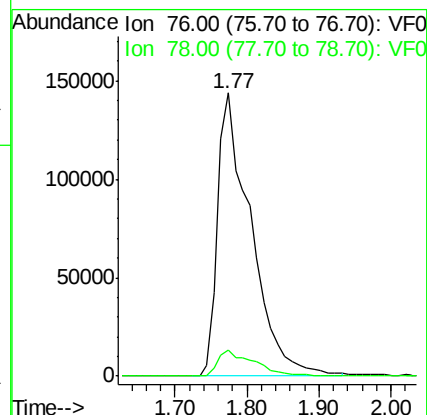
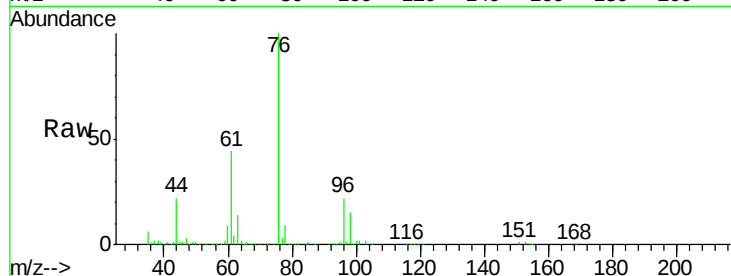




#17
Carbon Disulfide
Concen: 88.443 ug/l
RT: 1.77 min Scan# 116
Delta R.T. 0.01 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

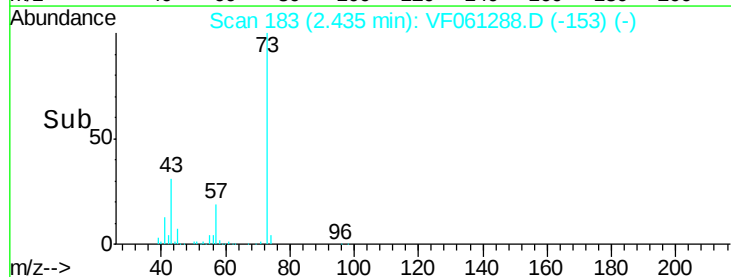
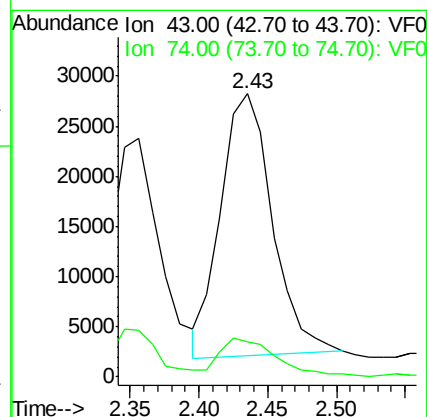
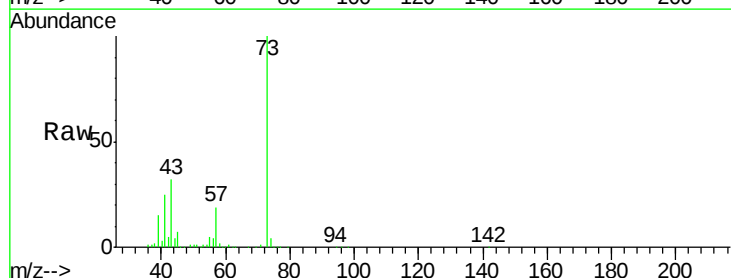
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

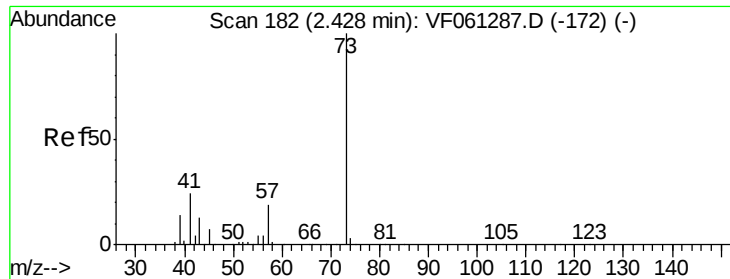
Tot Ion: 76 Resp: 457729
Ion Ratio Lower Upper
76 100
78 9.3 7.8 11.6



#18
Methyl Acetate
Concen: 68.626 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.10 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

Tgt Ion: 43 Resp: 68145
Ion Ratio Lower Upper
43 100
74 12.4 11.6 17.4

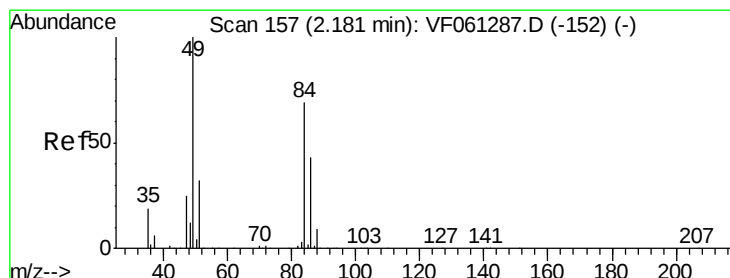
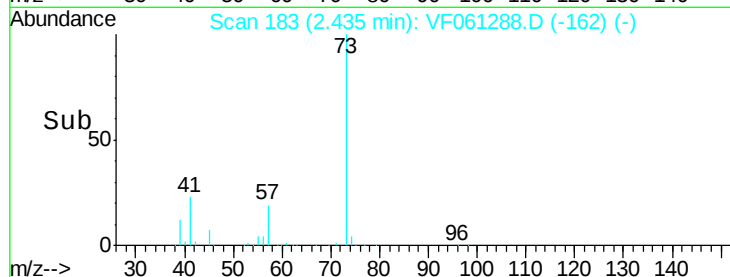
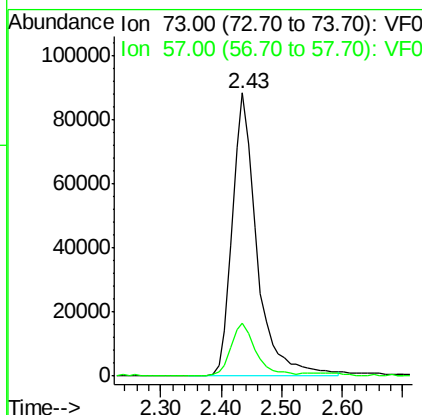
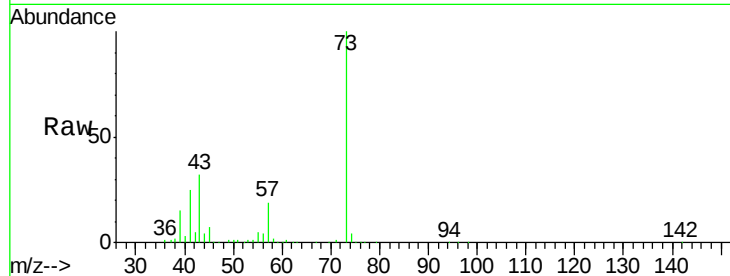




#19
Methyl tert-butyl Ether
Concen: 70.794 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

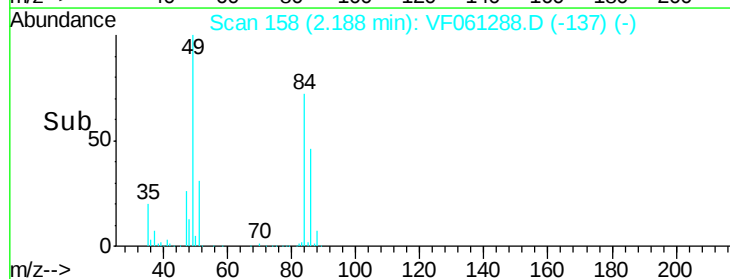
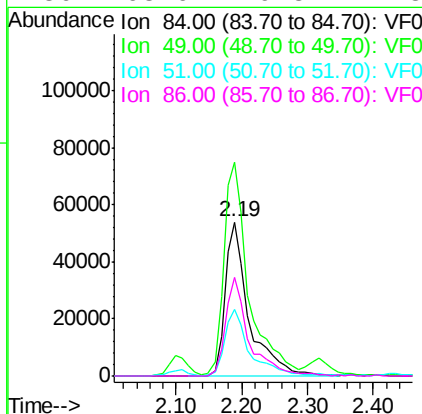
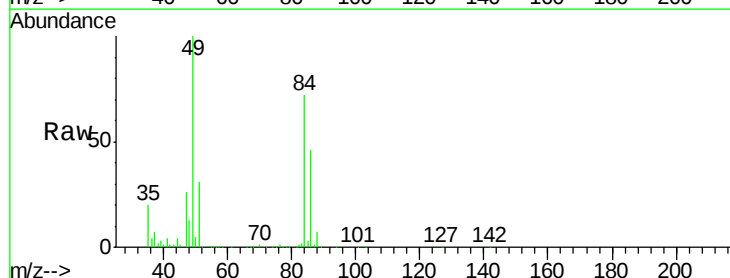
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

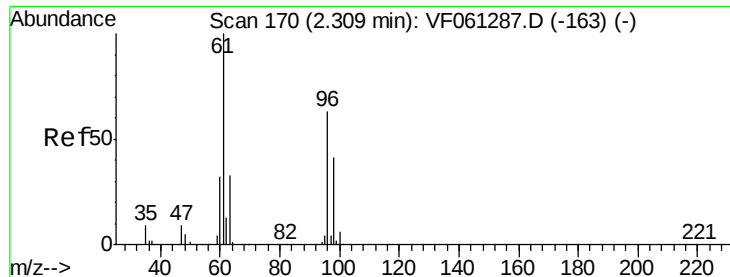
Tot Ion: 73 Resp: 250810
Ion Ratio Lower Upper
73 100
57 18.9 15.5 23.3



#20
Methylene Chloride
Concen: 65.318 ug/l
RT: 2.19 min Scan# 158
Delta R.T. 0.01 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

Tgt Ion: 84 Resp: 136026
Ion Ratio Lower Upper
84 100
49 138.6 116.6 175.0
51 43.1 37.7 56.5
86 63.6 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 79.597 ug/l

RT: 2.32 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

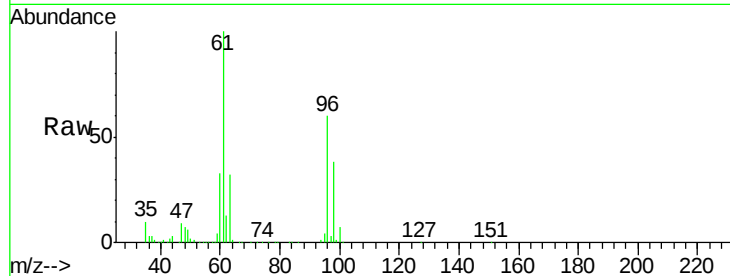
Tot Ion: 96 Resp: 142287

Ion Ratio Lower Upper

96 100

61 166.8 127.0 190.4

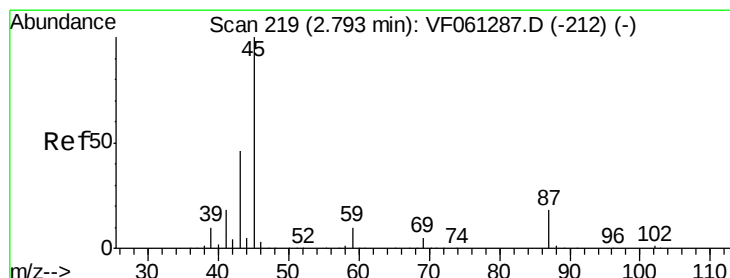
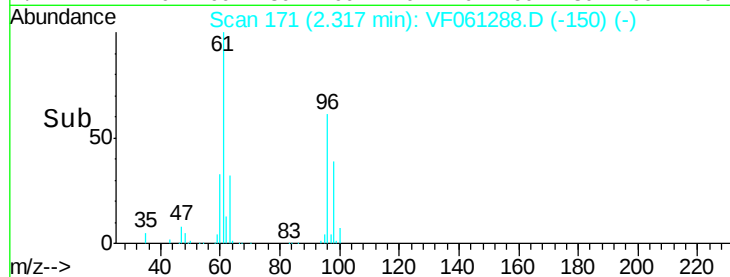
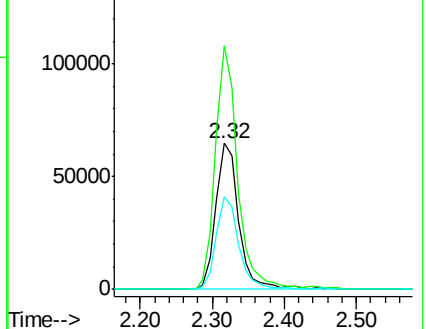
98 63.8 51.7 77.5



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 81.175 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Tgt Ion: 45 Resp: 479610

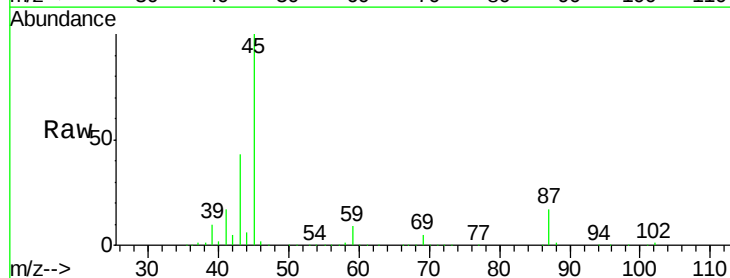
Ion Ratio Lower Upper

45 100

43 43.2 37.4 56.2

87 16.9 14.2 21.2

59 8.9 8.2 12.2

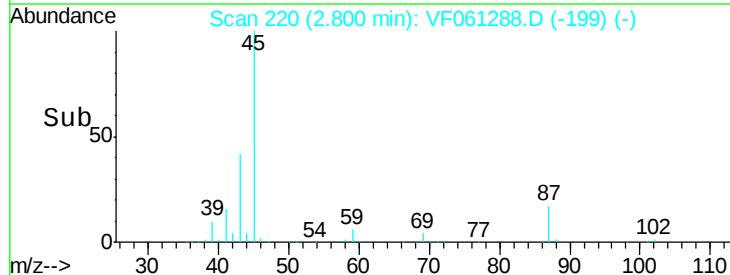
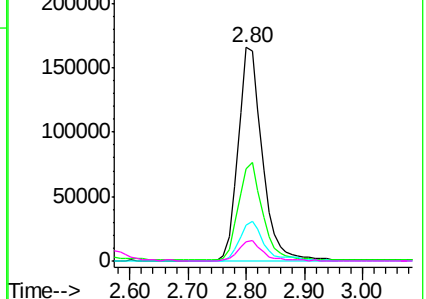


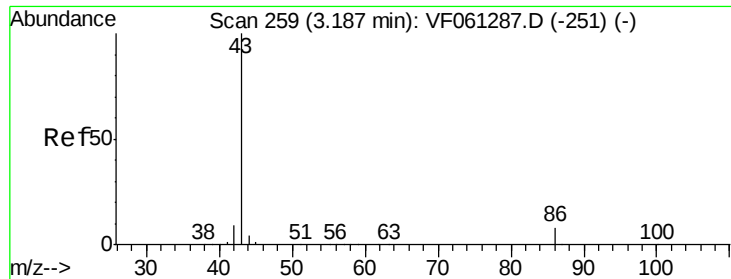
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 247.455 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

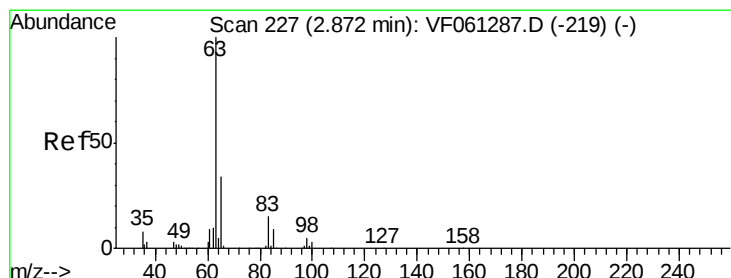
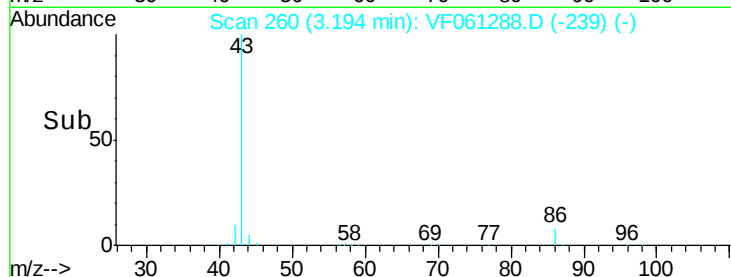
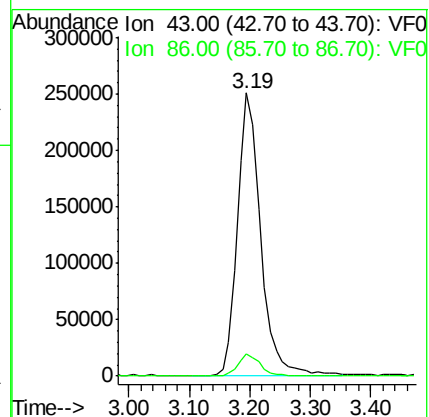
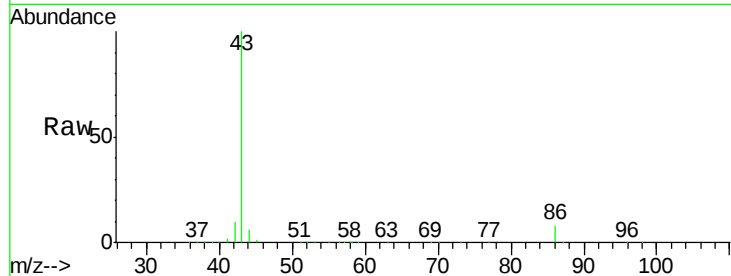
VSTDIC075

Tot Ion: 43 Resp: 669559

Ion Ratio Lower Upper

43 100

86 7.9 6.5 9.7



#24

1,1-Dichloroethane

Concen: 79.212 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

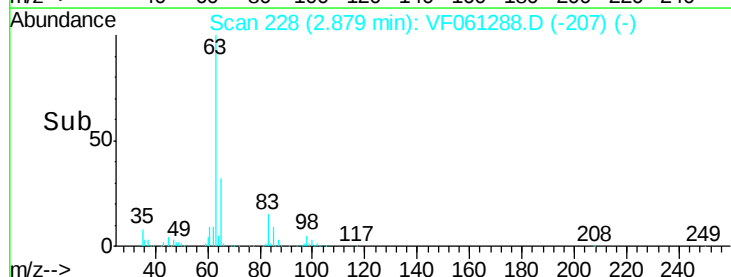
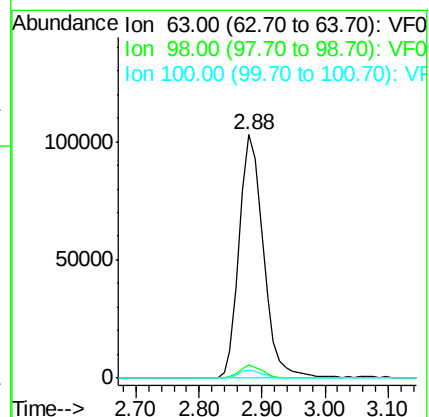
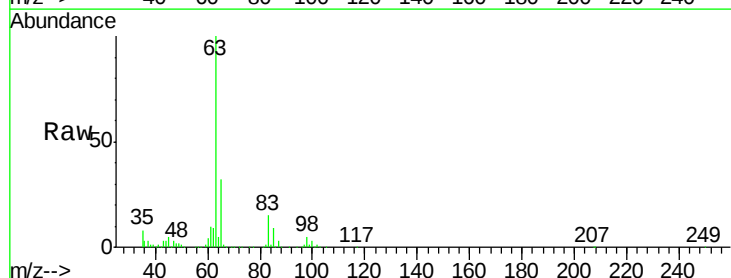
Tgt Ion: 63 Resp: 274393

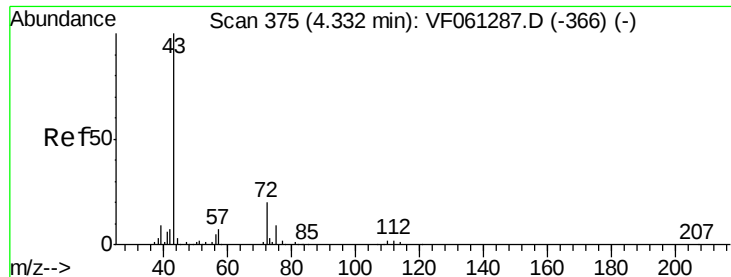
Ion Ratio Lower Upper

63 100

98 5.2 2.5 7.6

100 3.4 1.7 5.0





#25

2-Butanone

Concen: 270.516 ug/l

RT: 4.35 min Scan# 377

Delta R.T. 0.02 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

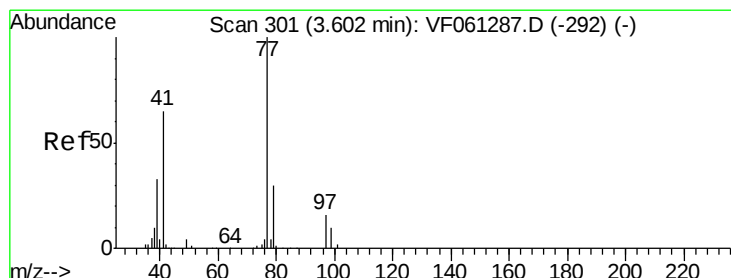
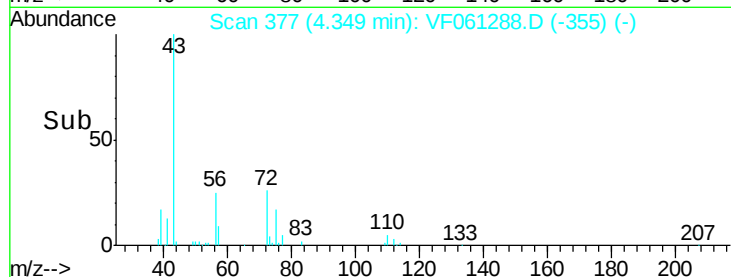
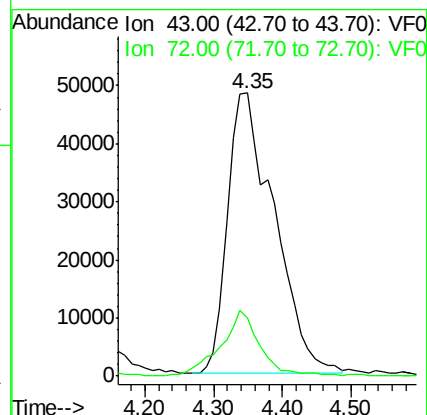
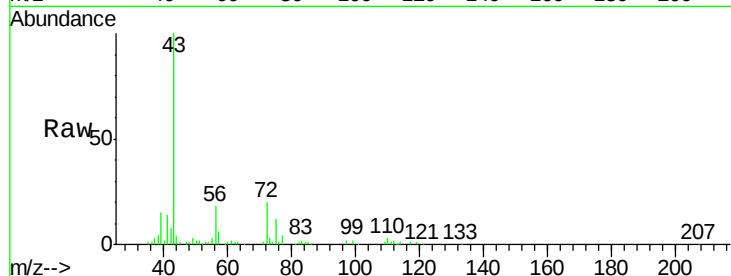
VSTDIC075

Tot Ion: 43 Resp: 227864

Ion Ratio Lower Upper

43 100

72 20.4 16.5 24.7



#26

2,2-Dichloropropane

Concen: 91.566 ug/l

RT: 3.61 min Scan# 302

Delta R.T. 0.01 min

Lab File: VF061288.D

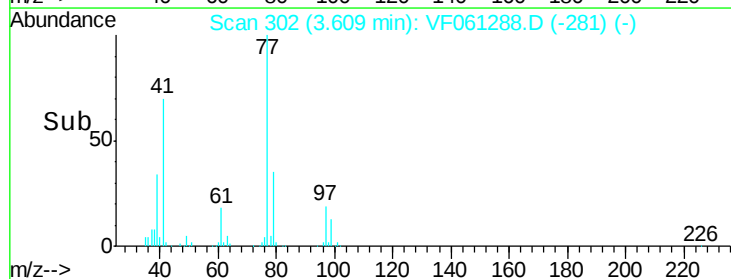
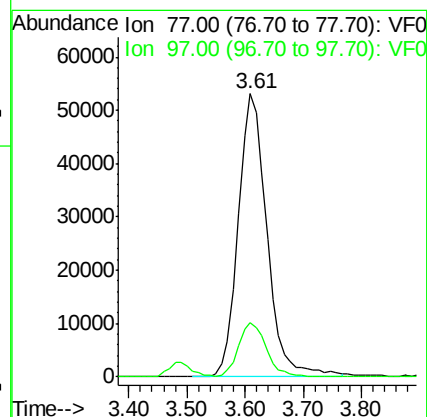
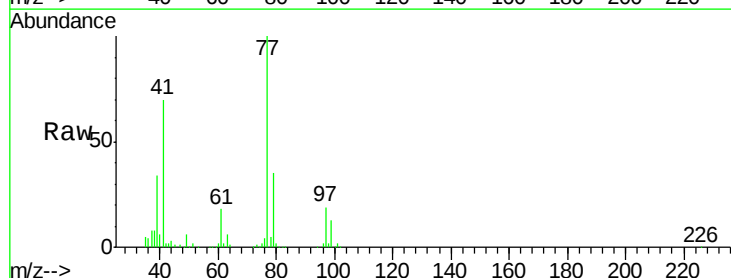
Acq: 8 Jan 2019 15:59

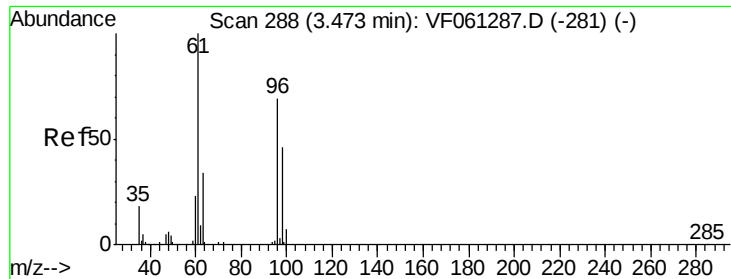
Tgt Ion: 77 Resp: 182657

Ion Ratio Lower Upper

77 100

97 19.2 8.6 25.9



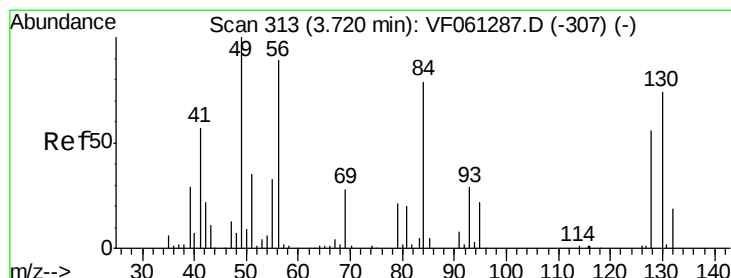
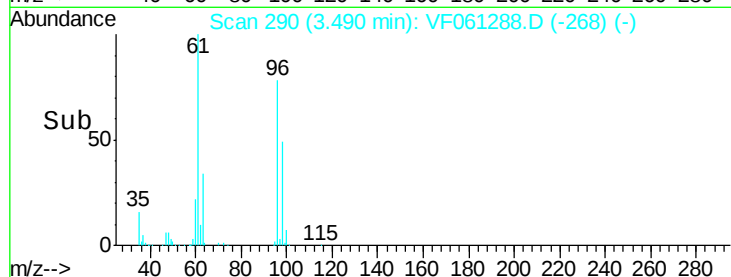
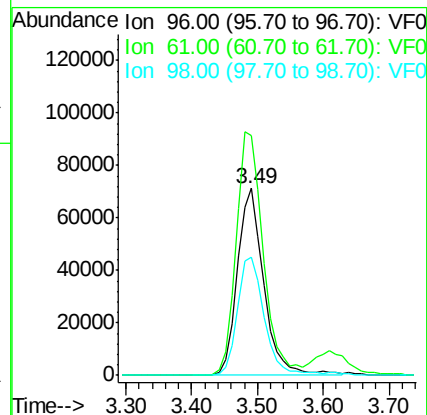
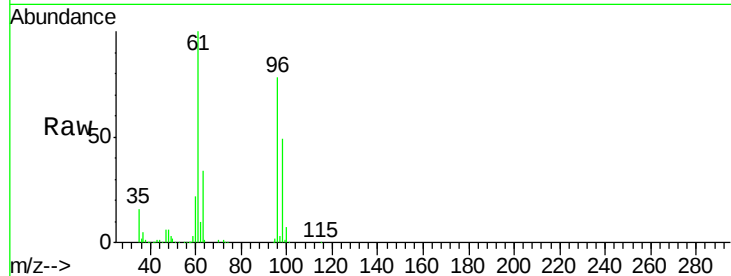


#27

cis-1,2-Dichloroethene
Concen: 76.639 ug/l
RT: 3.49 min Scan# 290
Delta R.T. 0.02 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

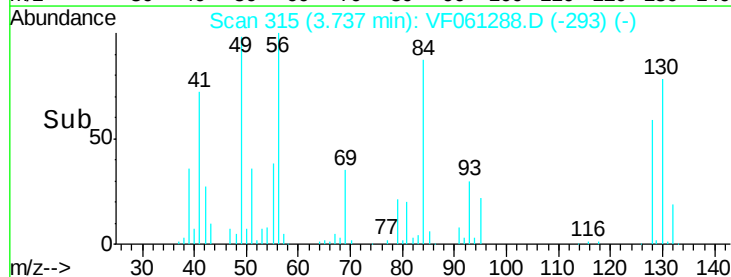
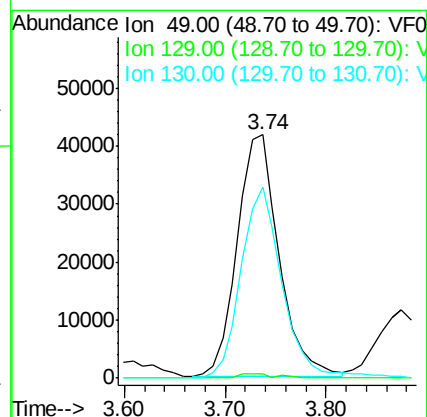
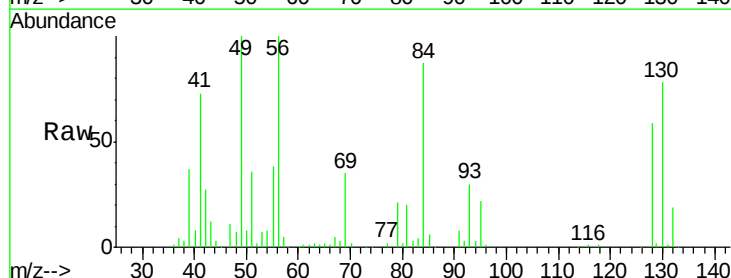
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.2	0.0	288.2
98	63.2	0.0	132.2

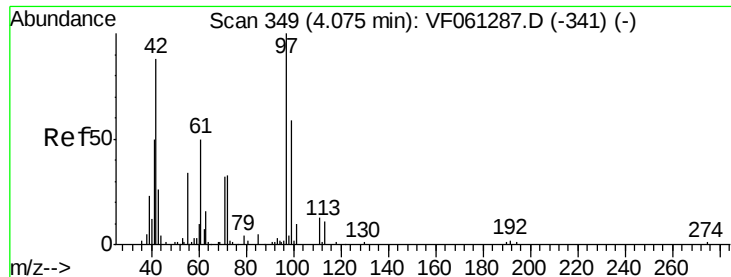


#28

Bromochloromethane
Concen: 73.239 ug/l
RT: 3.74 min Scan# 315
Delta R.T. 0.02 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	0.0#
130	78.3	58.6	88.0





#29

Tetrahydrofuran

Concen: 303.199 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

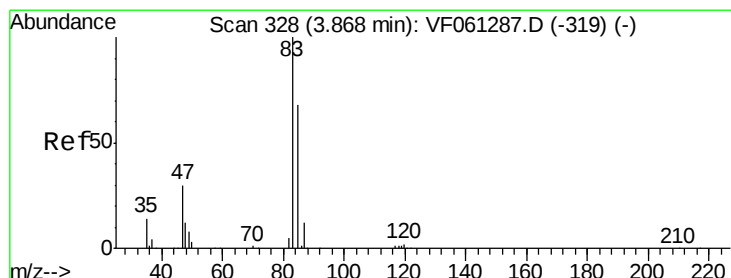
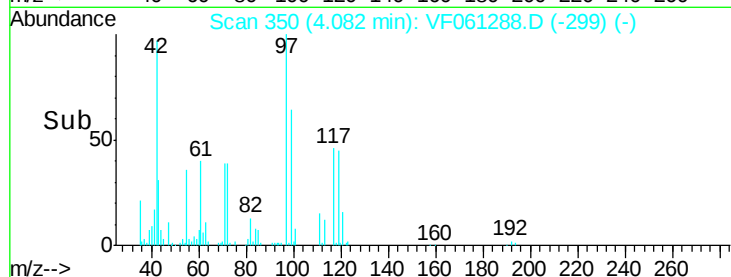
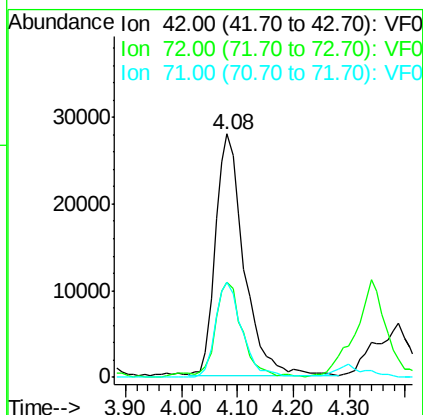
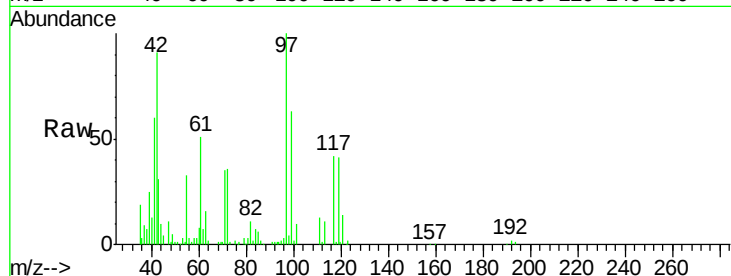
Tot Ion: 42 Resp: 99299

Ion Ratio Lower Upper

42 100

72 38.3 32.3 48.5

71 37.0 29.5 44.3



#30

Chloroform

Concen: 71.769 ug/l

RT: 3.88 min Scan# 329

Delta R.T. 0.01 min

Lab File: VF061288.D

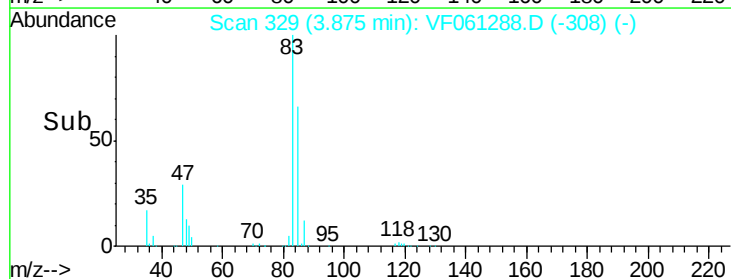
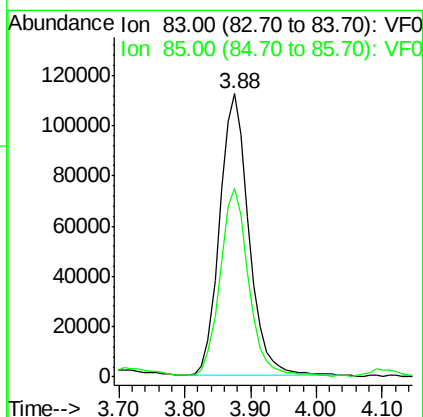
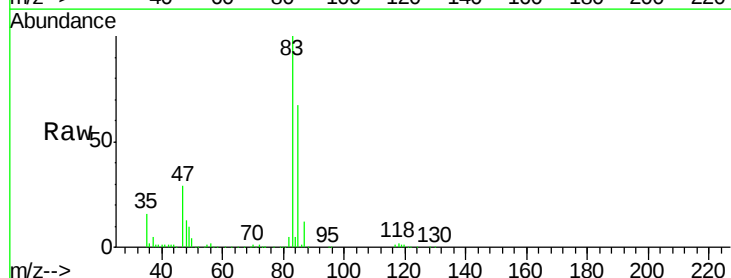
Acq: 8 Jan 2019 15:59

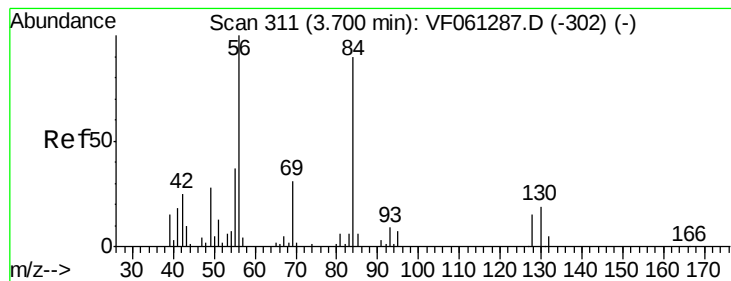
Tgt Ion: 83 Resp: 347750

Ion Ratio Lower Upper

83 100

85 66.7 54.4 81.6





#31

Cyclohexane

Concen: 77.339 ug/l

RT: 3.71 min Scan# 312

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

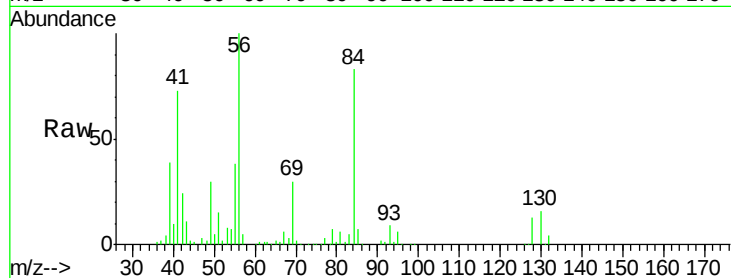
Tot Ion: 56 Resp: 283954

Ion Ratio Lower Upper

56 100

69 30.5 24.7 37.1

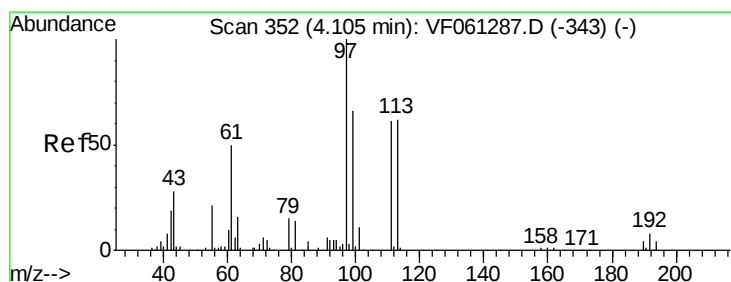
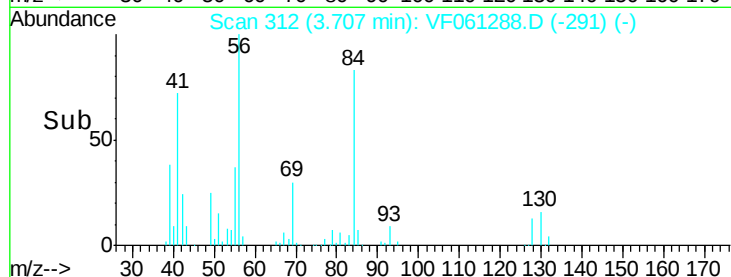
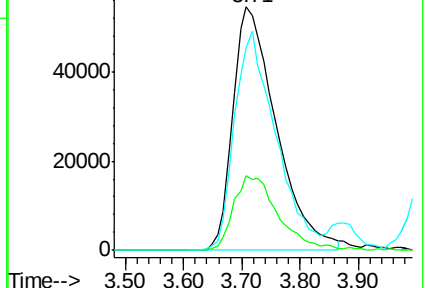
84 83.2 72.2 108.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 89.044 ug/l

RT: 4.11 min Scan# 353

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

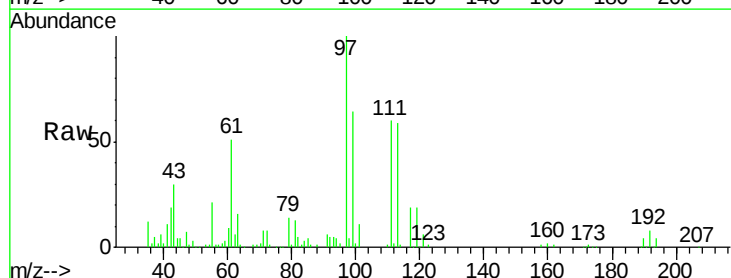
Tgt Ion: 97 Resp: 280240

Ion Ratio Lower Upper

97 100

99 64.4 52.7 79.1

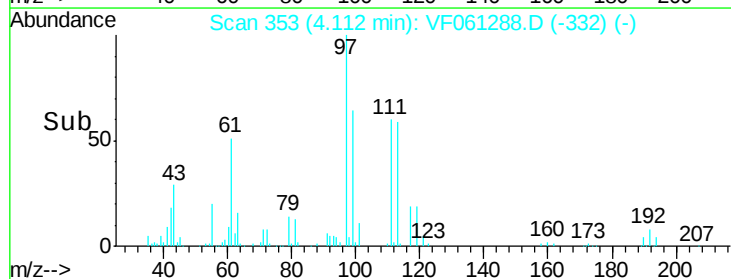
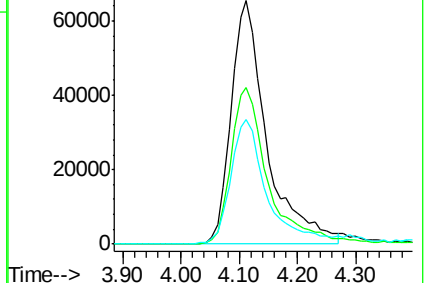
61 51.1 40.8 61.2

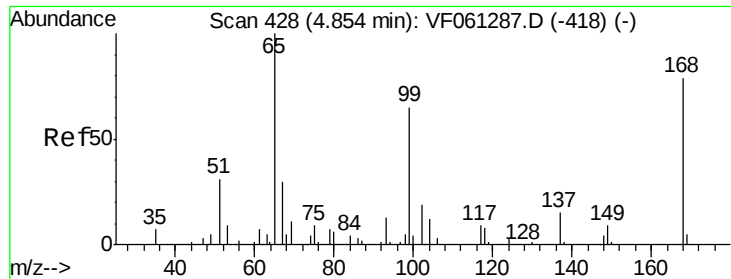


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 62.615 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.00 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

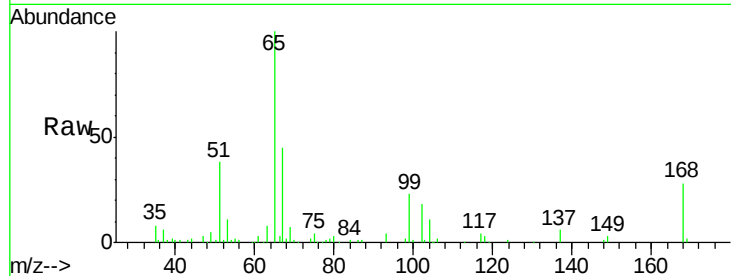
VSTDIC075

Tot Ion: 65 Resp: 140295

Ion Ratio Lower Upper

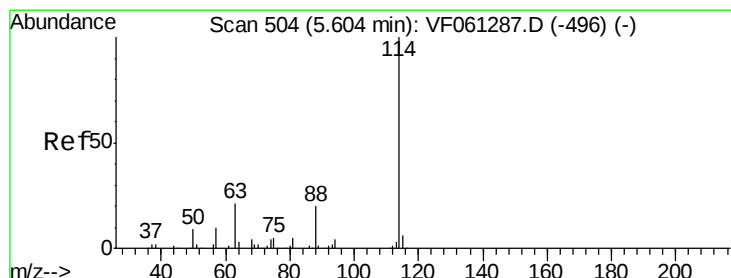
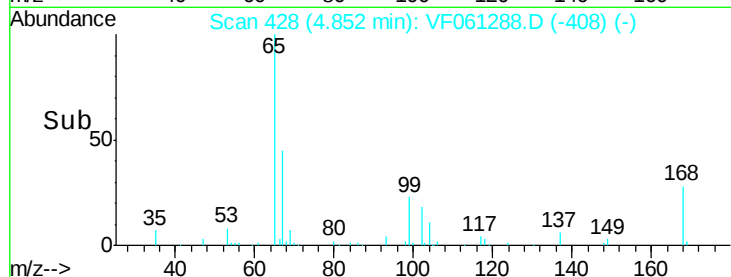
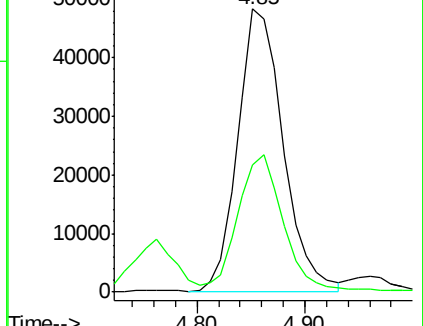
65 100

67 45.0 0.0 98.2



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.61 min Scan# 505

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

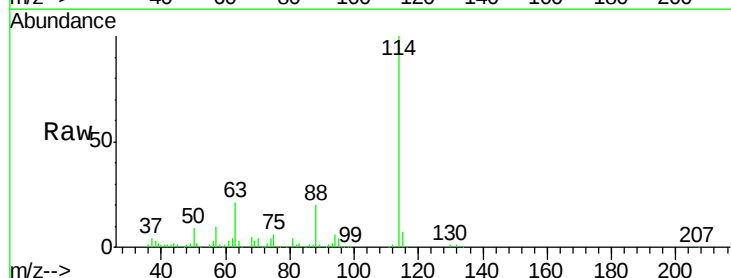
Tgt Ion: 114 Resp: 291876

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.8

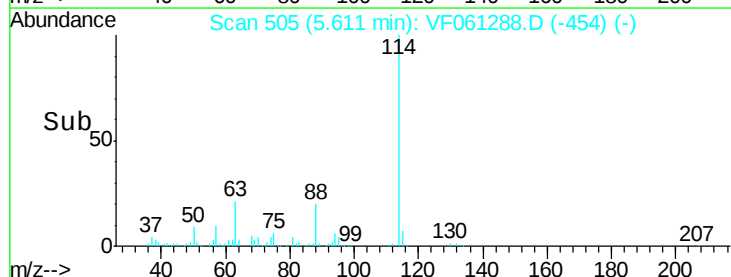
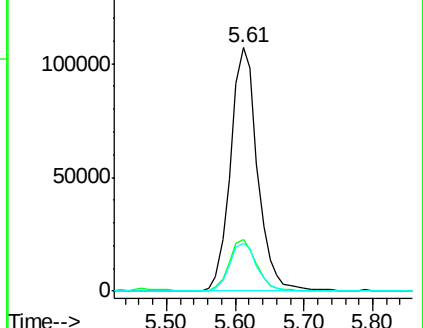
88 19.8 0.0 40.0

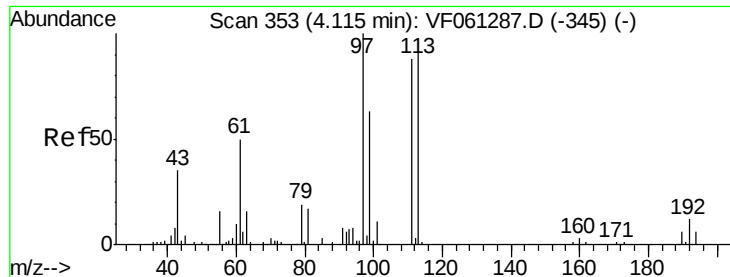


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 75.267 ug/l

RT: 4.13 min Scan# 355

Delta R.T. 0.02 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

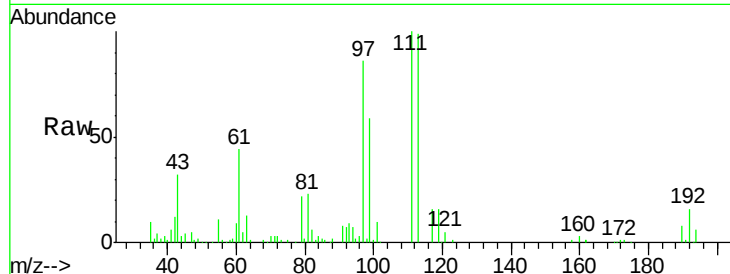
Tot Ion:113 Resp: 169015

Ion Ratio Lower Upper

113 100

111 101.0 78.0 117.0

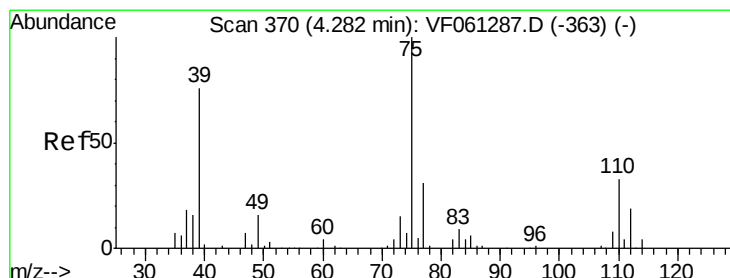
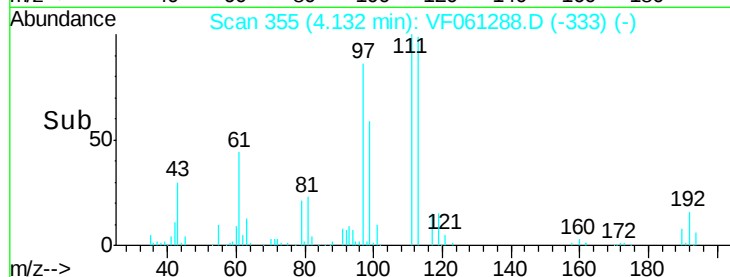
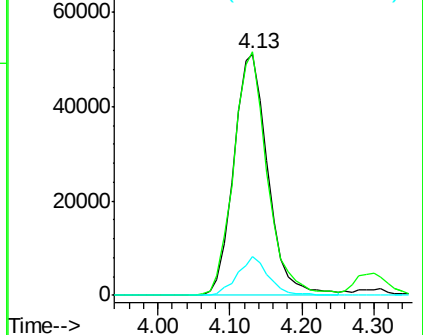
192 15.9 10.6 16.0



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 72.866 ug/l

RT: 4.29 min Scan# 371

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

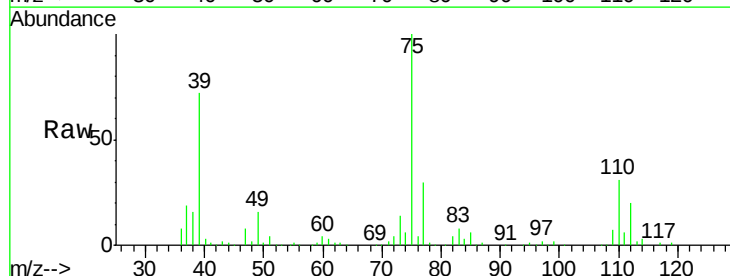
Tgt Ion: 75 Resp: 250480

Ion Ratio Lower Upper

75 100

110 31.2 16.6 49.8

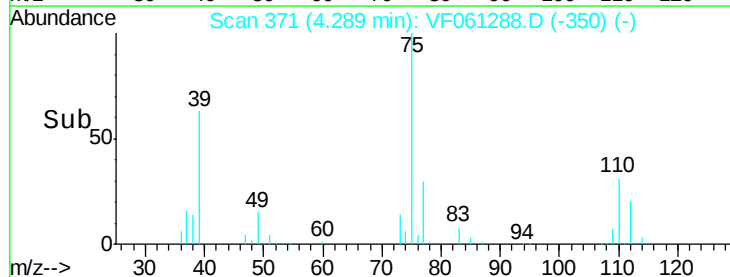
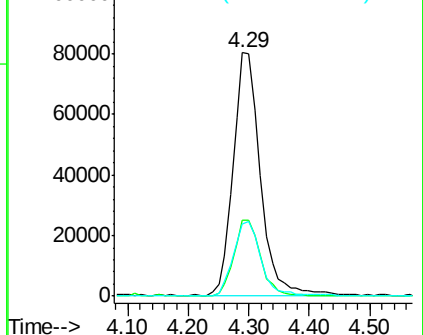
77 29.7 25.1 37.7

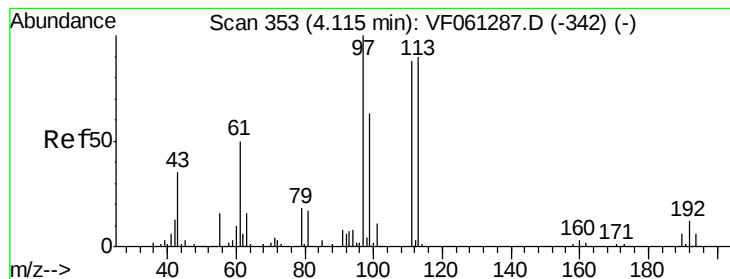


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 64.141 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

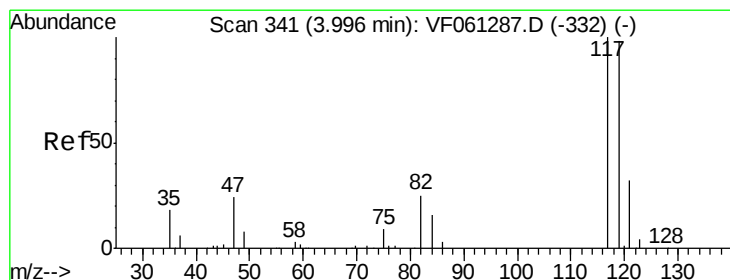
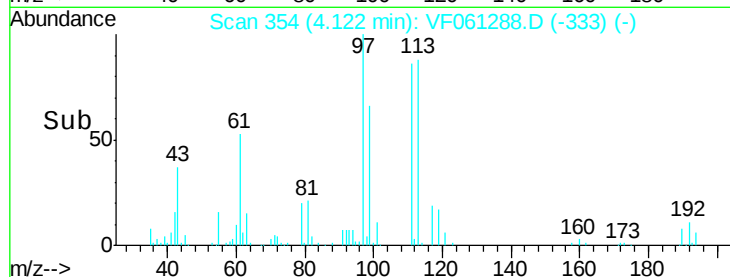
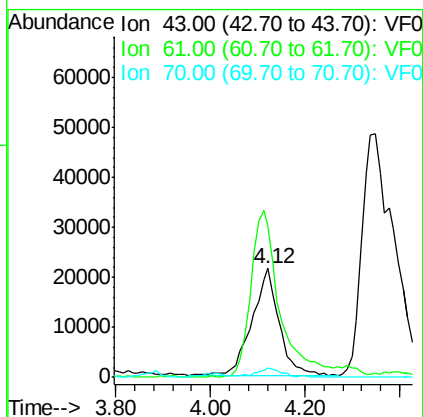
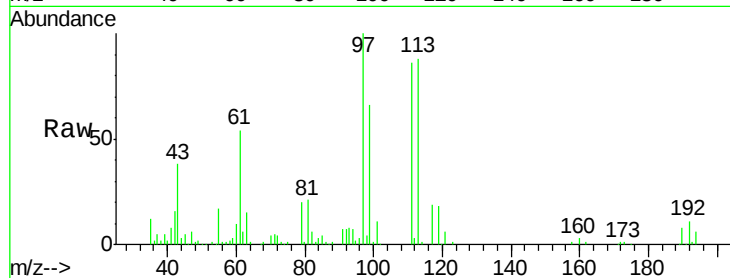
Tot Ion: 43 Resp: 88034

Ion Ratio Lower Upper

43 100

61 139.6 113.3 169.9

70 9.2 9.4 14.0#



#38

Carbon Tetrachloride

Concen: 89.963 ug/l

RT: 4.00 min Scan# 342

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

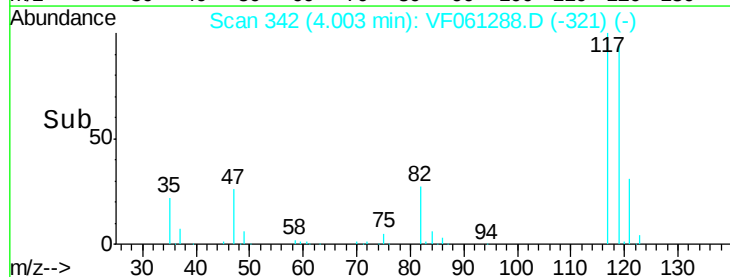
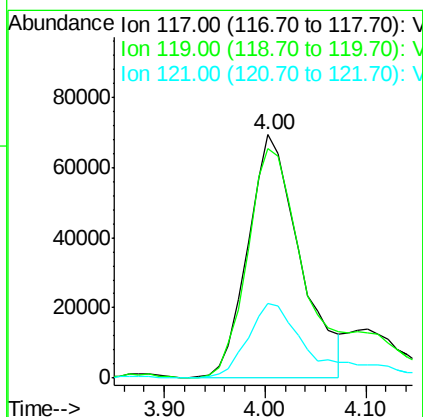
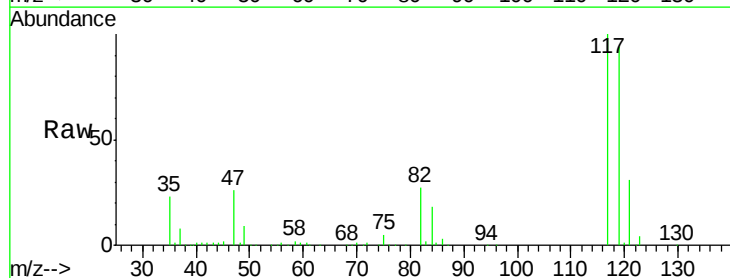
Tgt Ion: 117 Resp: 247586

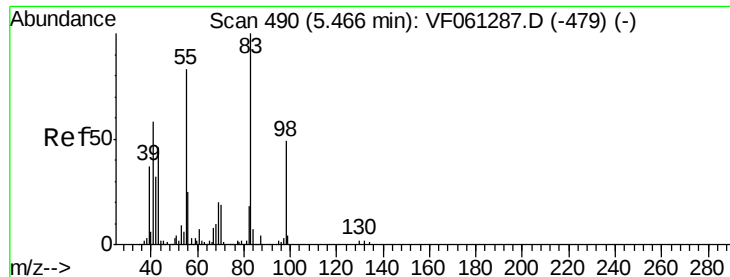
Ion Ratio Lower Upper

117 100

119 94.4 78.5 117.7

121 30.5 25.3 37.9

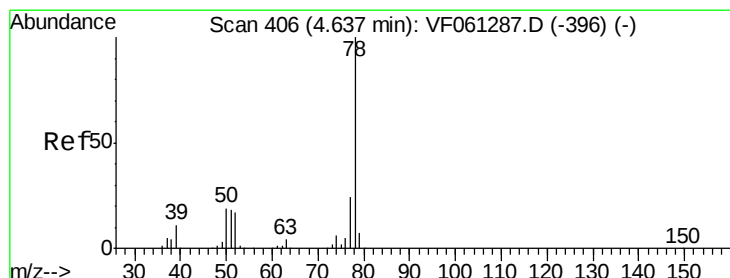
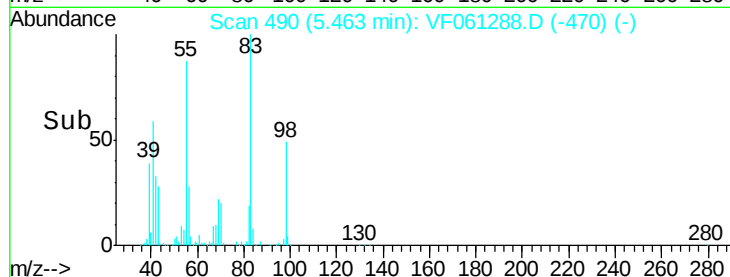
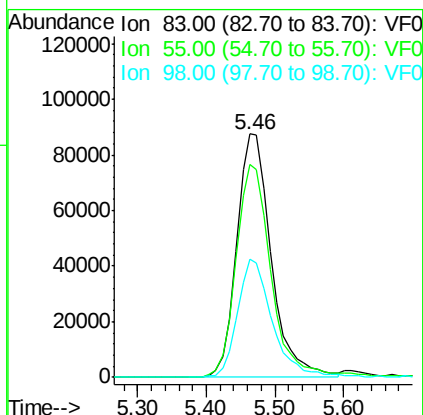
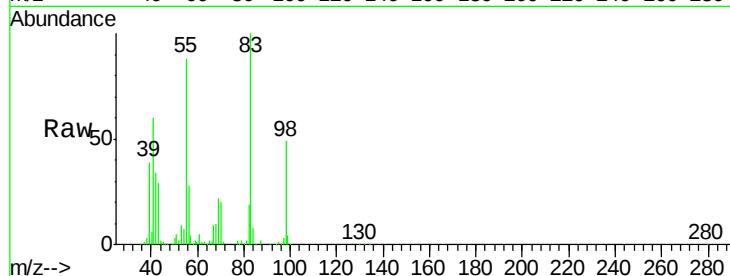




#39
Methvlcvclohexane
Concen: 82.996 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.00 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

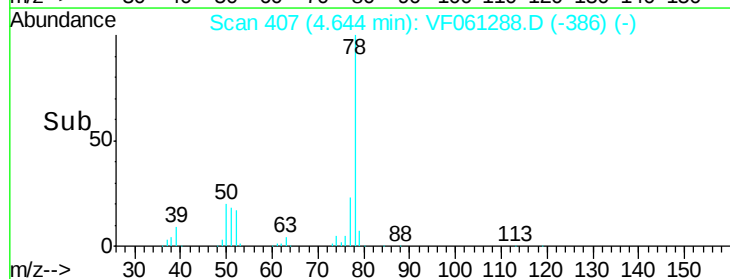
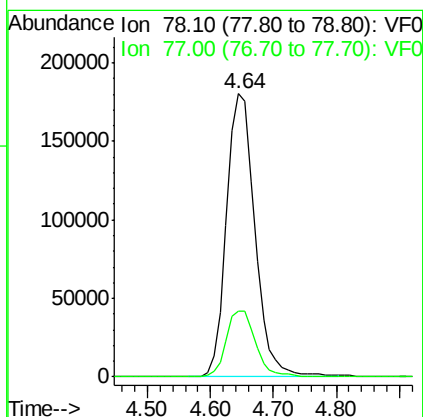
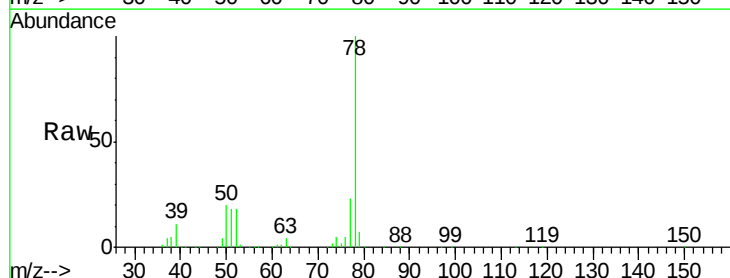
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

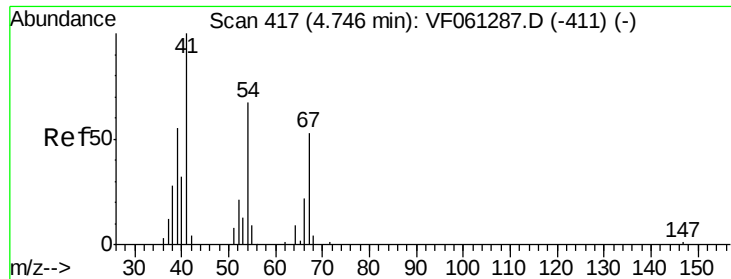
Tot Ion: 83 Resp: 304973
Ion Ratio Lower Upper
83 100
55 87.6 66.4 99.6
98 48.5 39.1 58.7



#40
Benzene
Concen: 72.351 ug/l
RT: 4.64 min Scan# 407
Delta R.T. 0.01 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

Tgt Ion: 78 Resp: 564448
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7

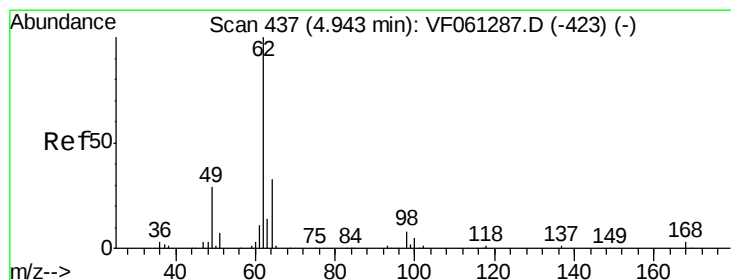
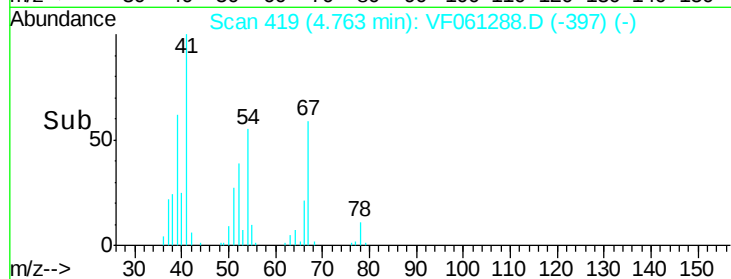
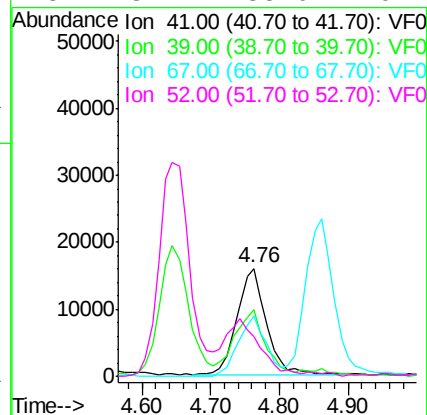
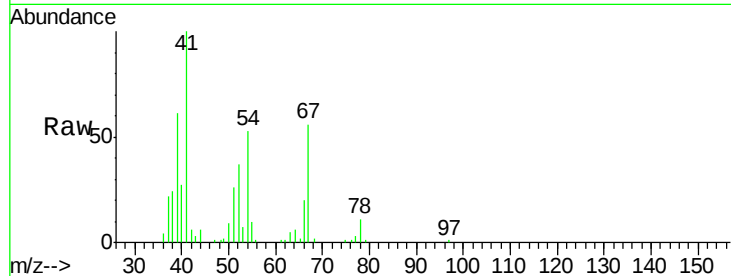




#41
Methacrylonitrile
Concen: 60.463 ug/l
RT: 4.76 min Scan# 419
Delta R.T. 0.02 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

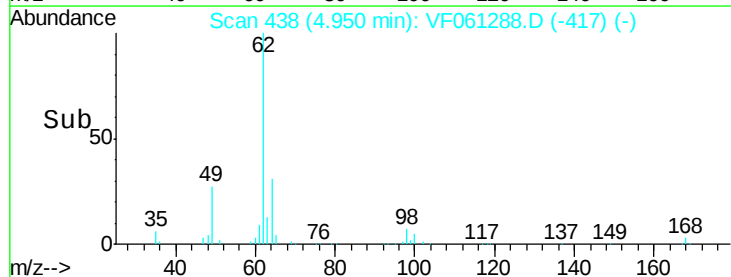
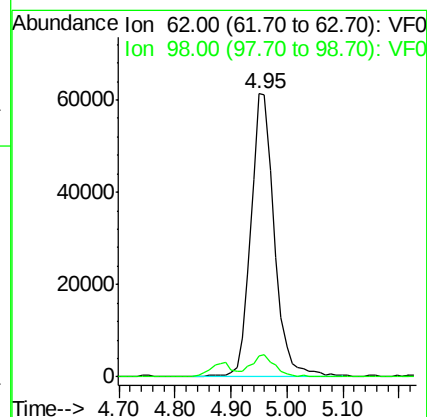
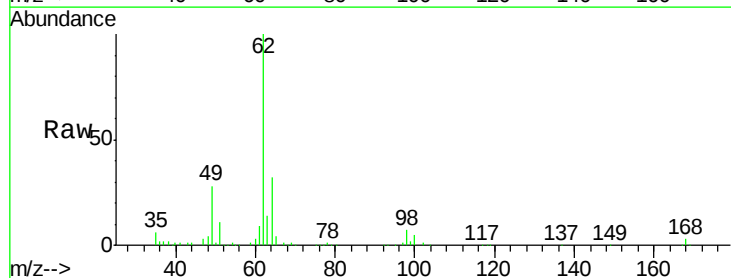
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

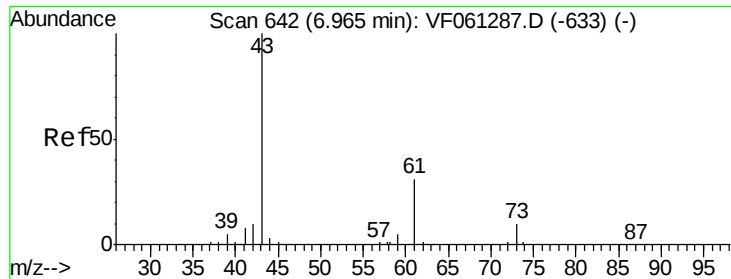
Tot Ion:	41	Resp:	47188
Ion	Ratio	Lower	Upper
41	100		
39	61.5	52.7	79.1
67	56.3	41.4	62.2
52	37.4	33.0	49.4



#42
1,2-Dichloroethane
Concen: 68.589 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.01 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

Tgt Ion:	62	Resp:	179035
Ion	Ratio	Lower	Upper
62	100		
98	7.4	0.0	16.8



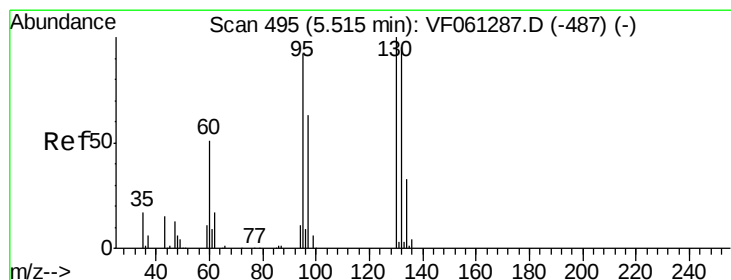
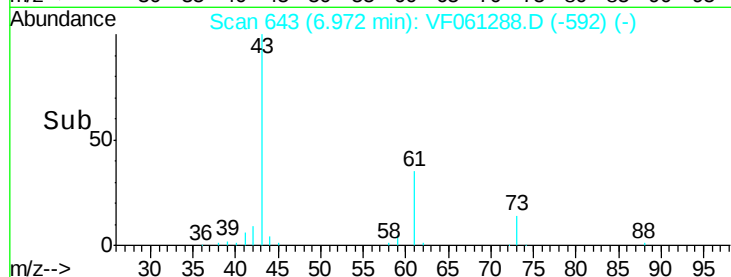
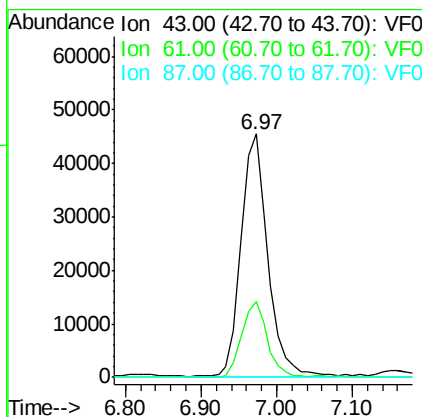
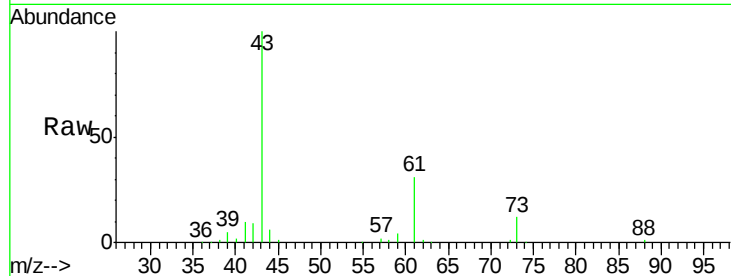


#43

Isopropyl Acetate
 Concen: 60.083 ug/l
 RT: 6.97 min Scan# 643
 Delta R.T. 0.01 min
 Lab File: VF061288.D
 Acq: 8 Jan 2019 15:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

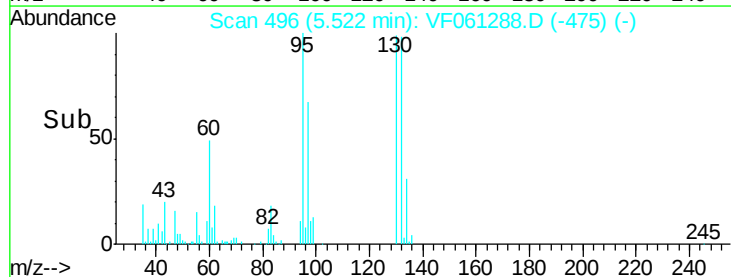
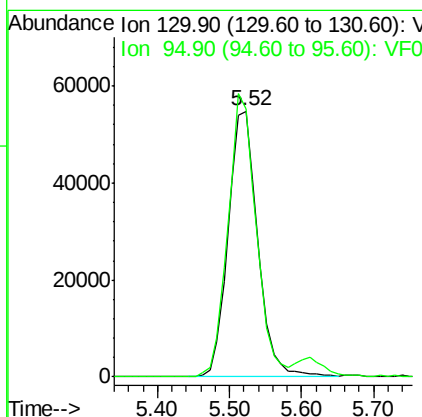
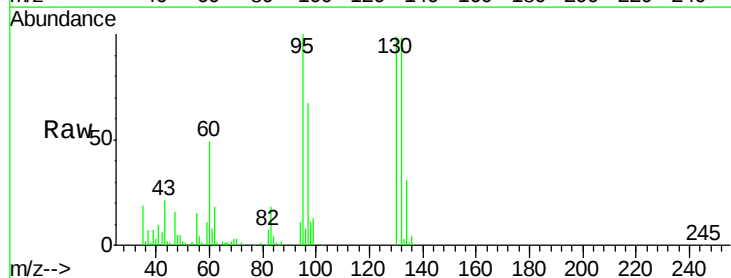
Tot Ion: 43 Resp: 110033
 Ion Ratio Lower Upper
 43 100
 61 31.0 24.3 36.5
 87 0.0 0.2 0.4#

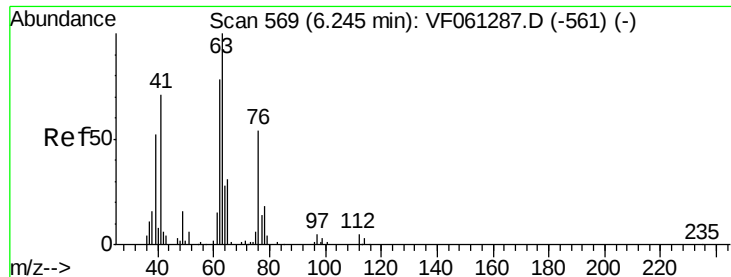


#44

Trichloroethene
 Concen: 64.701 ug/l
 RT: 5.52 min Scan# 496
 Delta R.T. 0.01 min
 Lab File: VF061288.D
 Acq: 8 Jan 2019 15:59

Tgt Ion:130 Resp: 157121
 Ion Ratio Lower Upper
 130 100
 95 101.0 0.0 184.4





#45

1,2-Dichloropropane

Concen: 75.166 ug/l

RT: 6.24 min Scan# 569

Delta R.T. -0.00 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

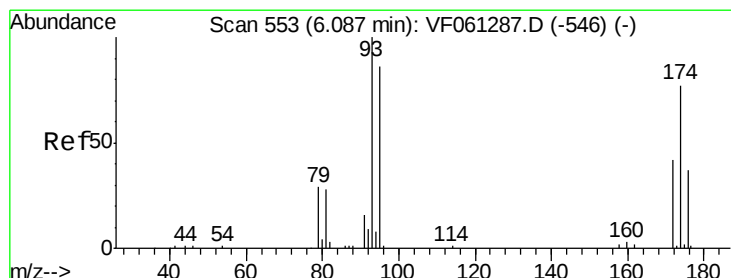
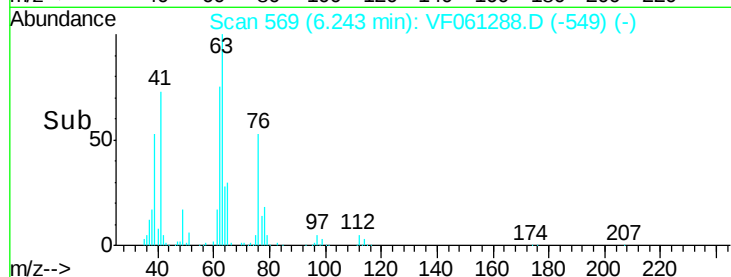
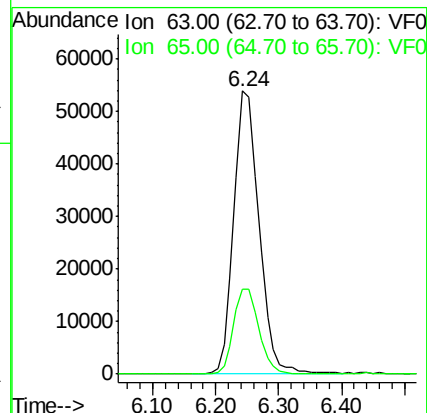
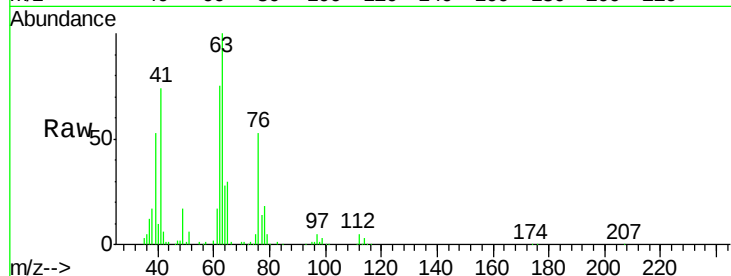
VSTDIC075

Tot Ion: 63 Resp: 149714

Ion Ratio Lower Upper

63 100

65 30.2 25.1 37.7



#46

Dibromomethane

Concen: 70.658 ug/l

RT: 6.09 min Scan# 554

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

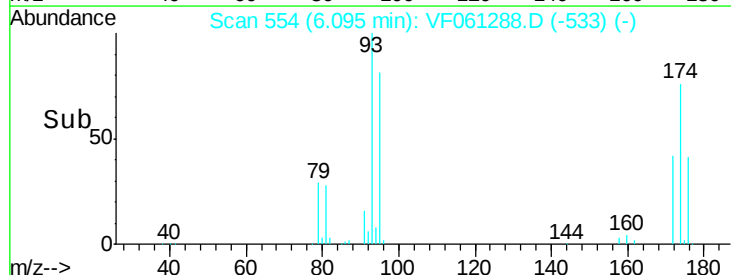
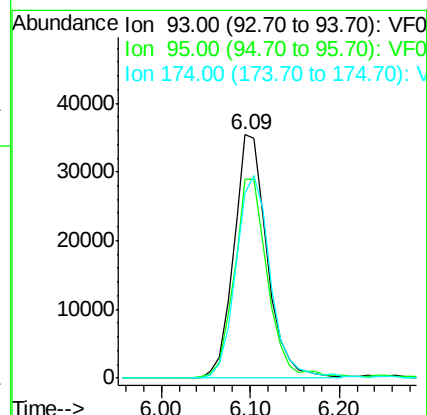
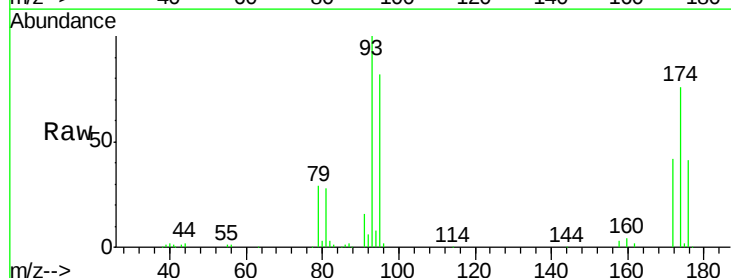
Tgt Ion: 93 Resp: 92605

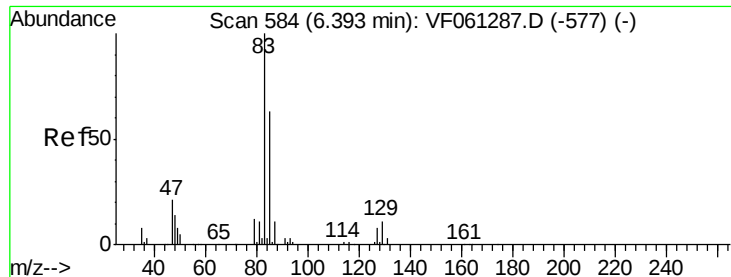
Ion Ratio Lower Upper

93 100

95 81.5 68.8 103.2

174 76.0 62.9 94.3





#47

Bromodichloromethane

Concen: 69.058 ug/l

RT: 6.40 min Scan# 585

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

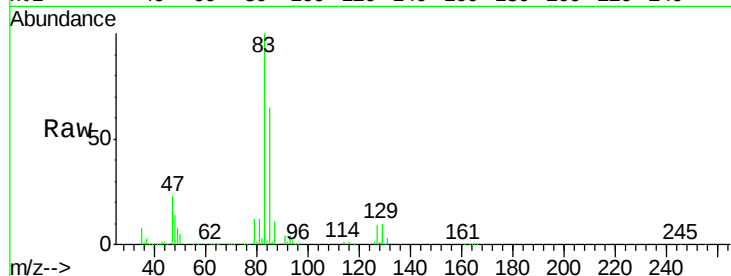
Tot Ion: 83 Resp: 230391

Ion Ratio Lower Upper

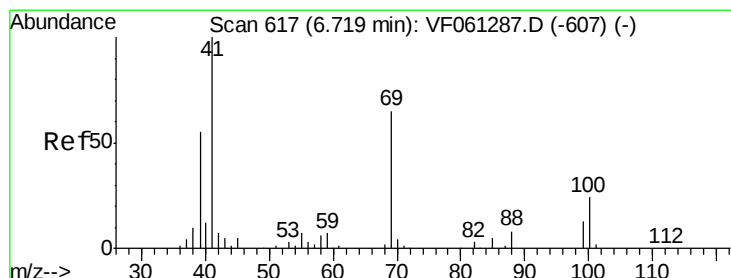
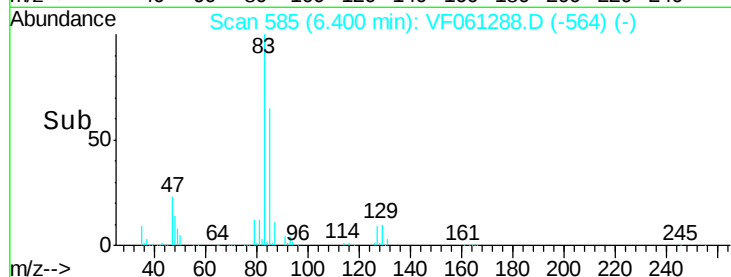
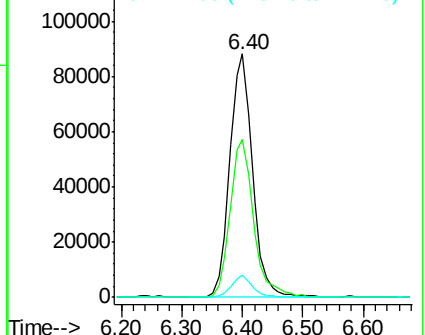
83 100

85 64.6 50.4 75.6

127 8.9 6.4 9.6



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0
Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 64.216 ug/l

RT: 6.73 min Scan# 618

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

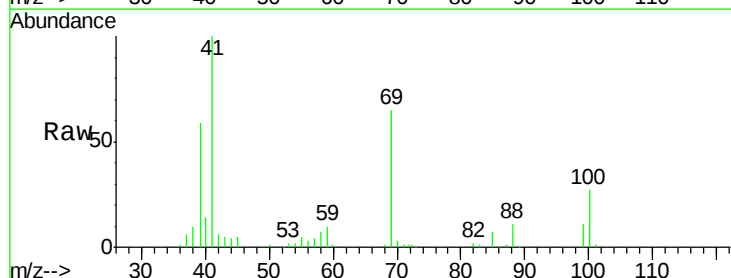
Tgt Ion: 41 Resp: 76152

Ion Ratio Lower Upper

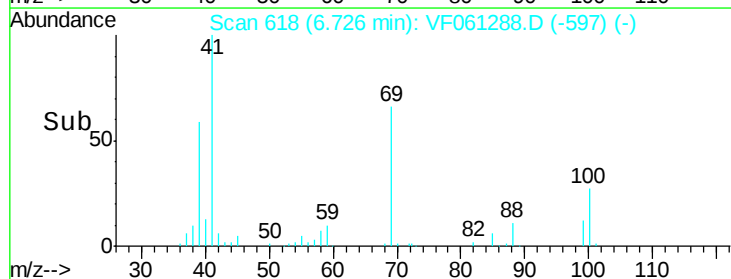
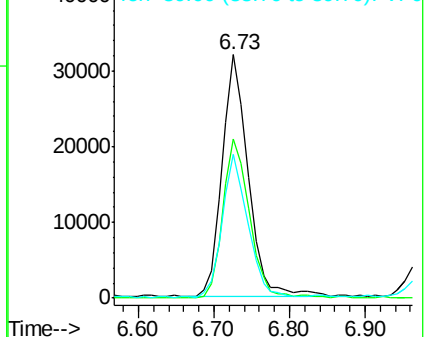
41 100

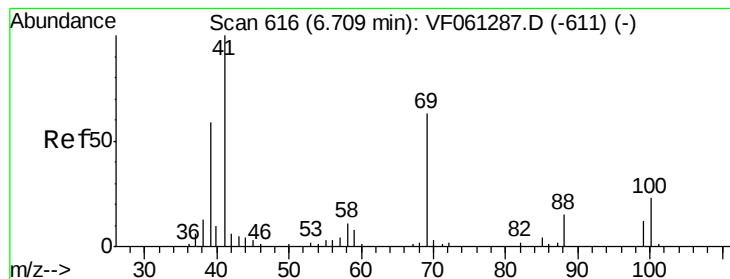
69 65.4 51.5 77.3

39 58.9 44.1 66.1



Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 1223.227 ug/l

RT: 6.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

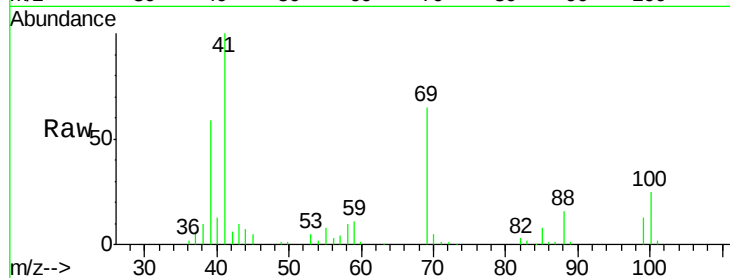
Tot Ion: 88 Resp: 10051

Ion Ratio Lower Upper

88 100

43 59.6 38.5 57.7#

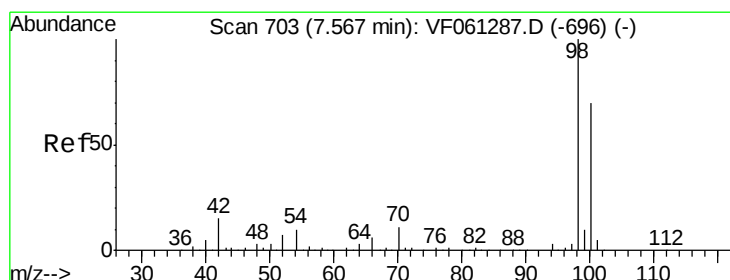
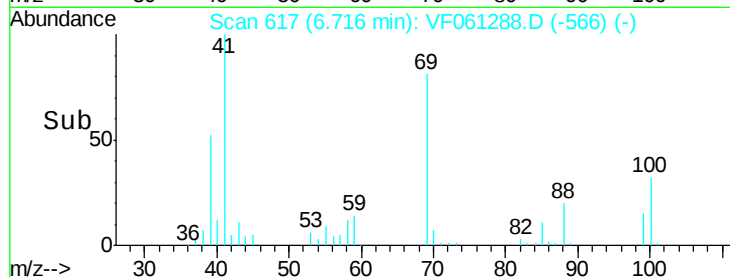
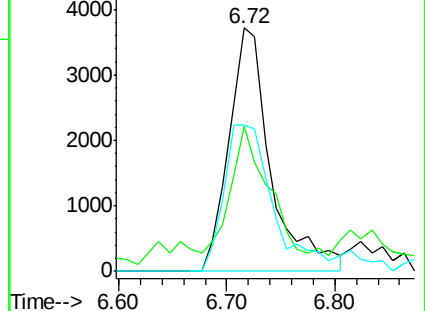
58 60.3 57.0 85.4



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 75.246 ug/l

RT: 7.56 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF061288.D

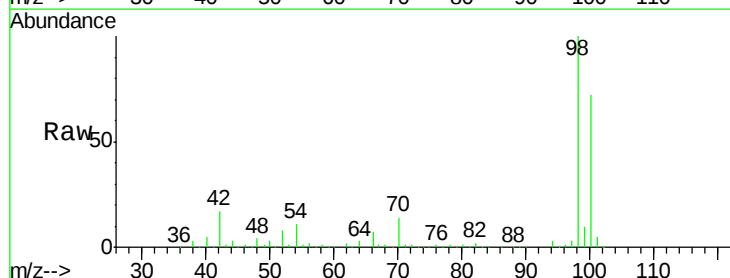
Acq: 8 Jan 2019 15:59

Tgt Ion: 98 Resp: 501414

Ion Ratio Lower Upper

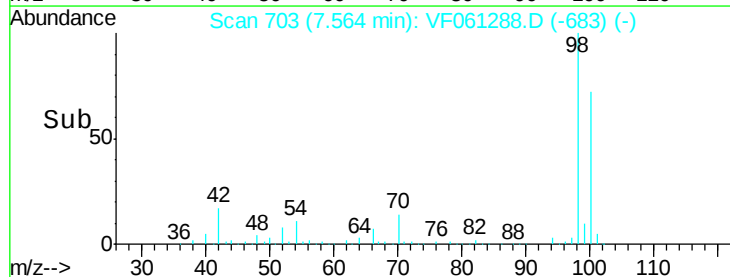
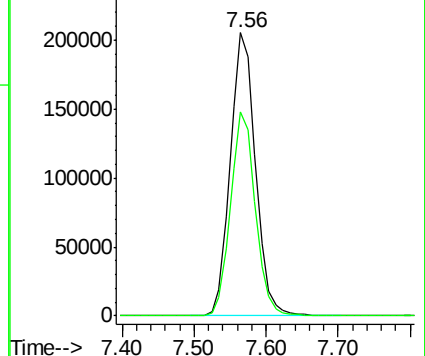
98 100

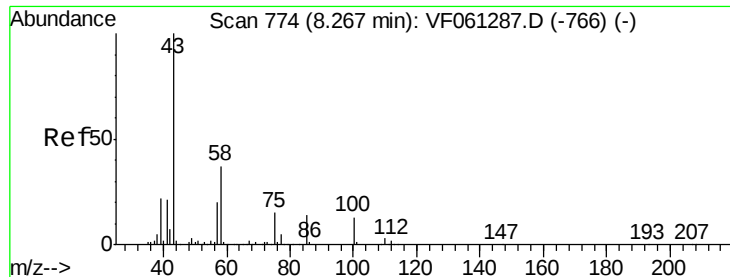
100 72.1 55.6 83.4



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 340.957 ug/l

RT: 8.26 min Scan# 774

Delta R.T. -0.00 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

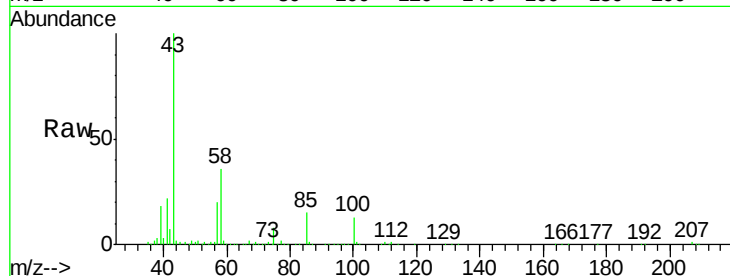
VSTDIC075

Tot Ion: 43 Resp: 433679

Ion Ratio Lower Upper

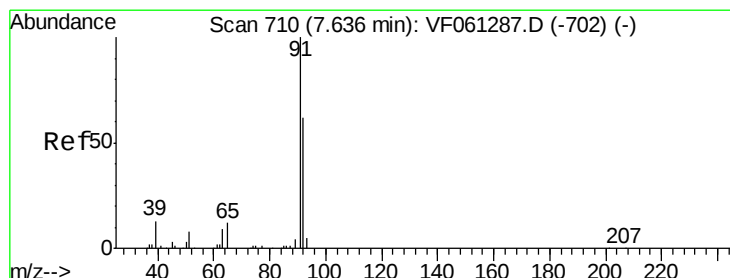
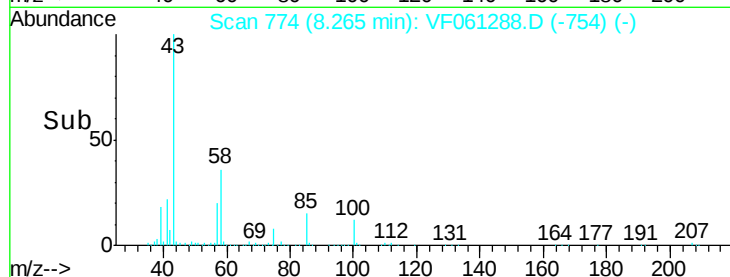
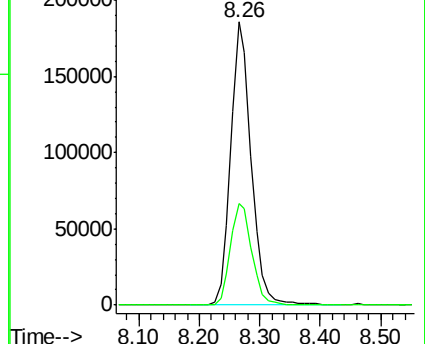
43 100

58 36.1 29.6 44.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 72.466 ug/l

RT: 7.63 min Scan# 710

Delta R.T. -0.00 min

Lab File: VF061288.D

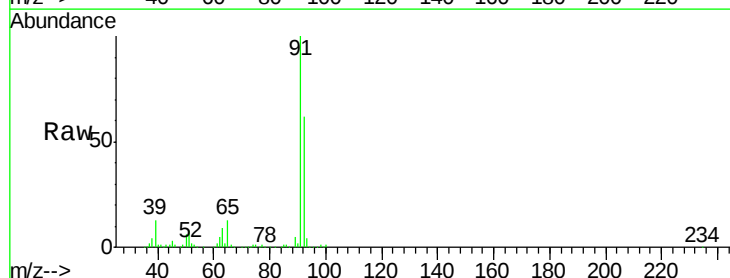
Acq: 8 Jan 2019 15:59

Tgt Ion: 92 Resp: 369147

Ion Ratio Lower Upper

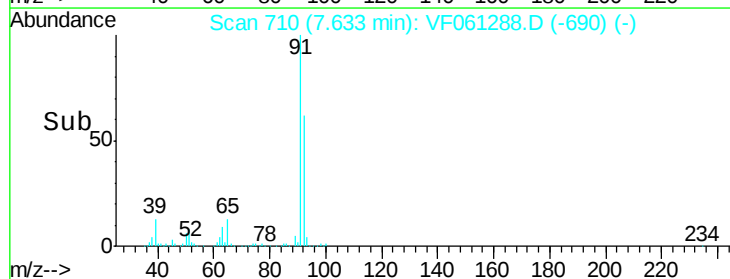
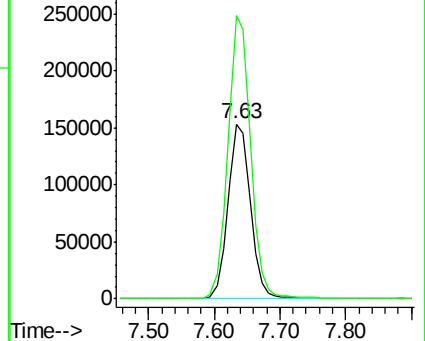
92 100

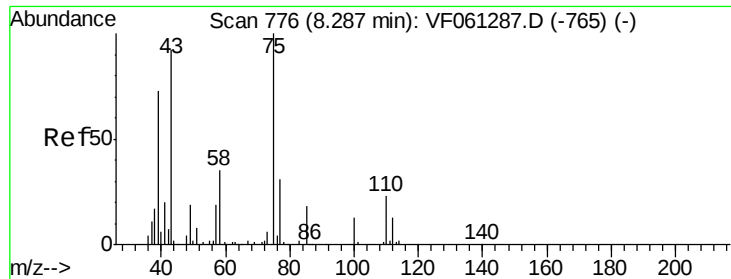
91 161.7 129.2 193.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 63.433 ug/l

RT: 8.29 min Scan# 777

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

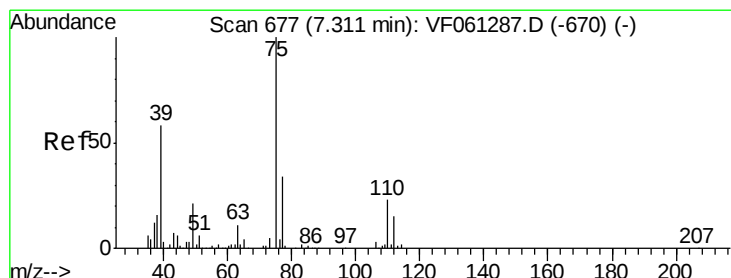
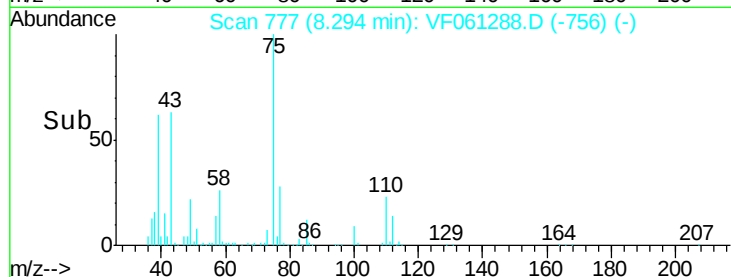
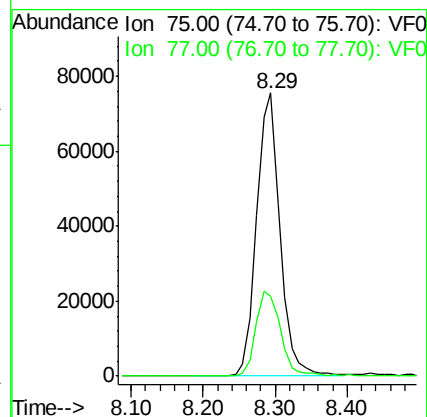
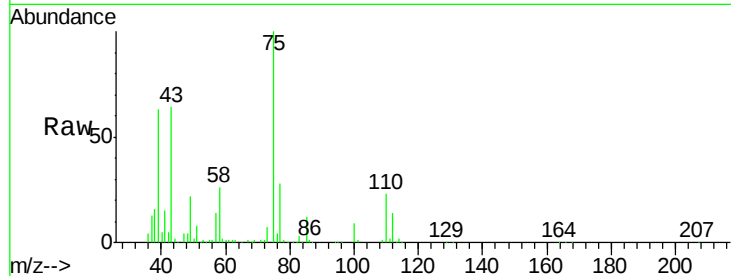
VSTDIC075

Tot Ion: 75 Resp: 172516

Ion Ratio Lower Upper

75 100

77 28.4 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 66.870 ug/l

RT: 7.32 min Scan# 678

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

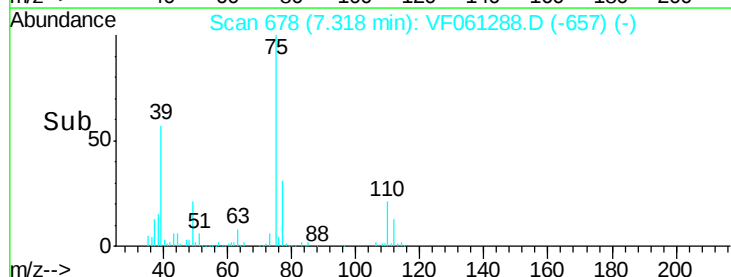
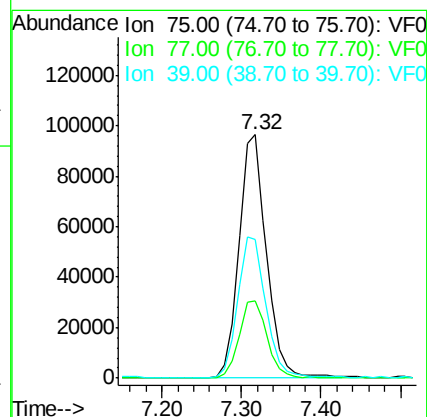
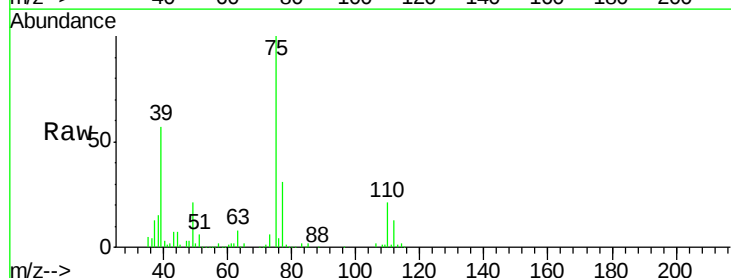
Tgt Ion: 75 Resp: 231147

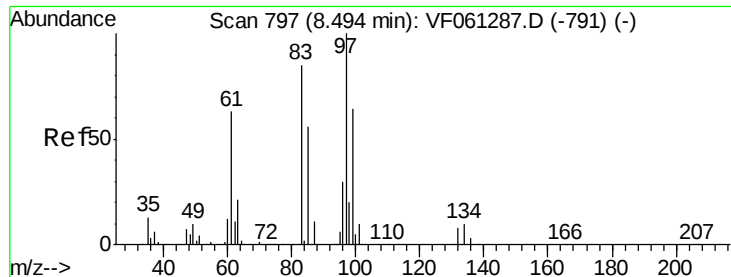
Ion Ratio Lower Upper

75 100

77 31.5 27.3 40.9

39 56.7 46.3 69.5





#55

1,1,2-Trichloroethane

Concen: 69.948 ug/l

RT: 8.50 min Scan# 798

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tot Ion: 97 Resp: 102470

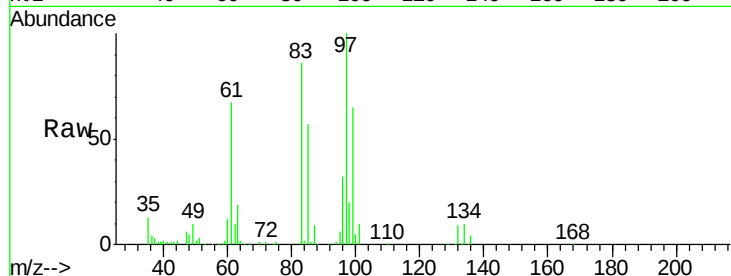
Ion Ratio Lower Upper

97 100

83 85.5 67.8 101.6

85 57.1 45.1 67.7

99 64.9 51.0 76.6

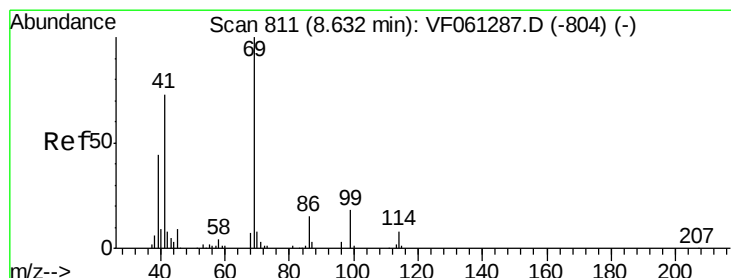
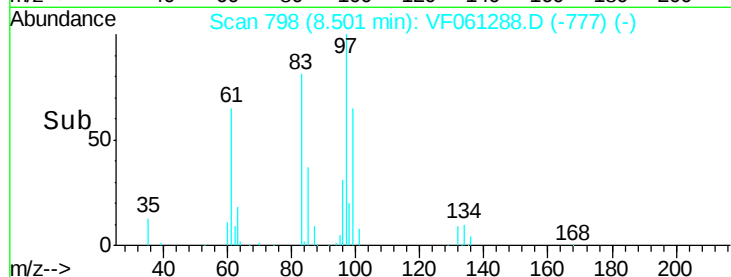
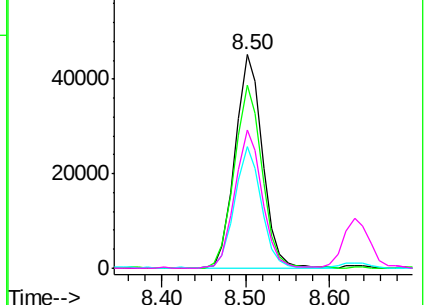


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 73.861 ug/l

RT: 8.63 min Scan# 811

Delta R.T. -0.00 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

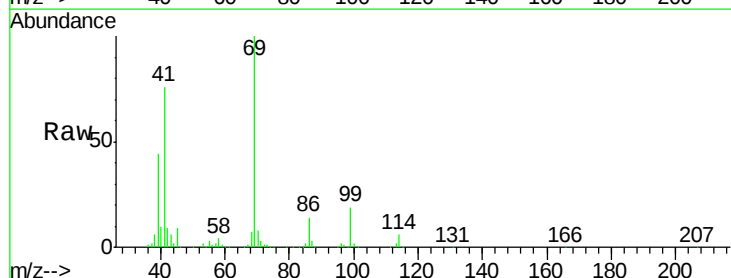
Tgt Ion: 69 Resp: 119581

Ion Ratio Lower Upper

69 100

41 75.6 59.0 88.4

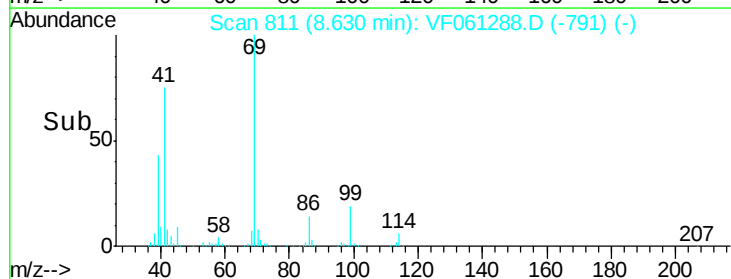
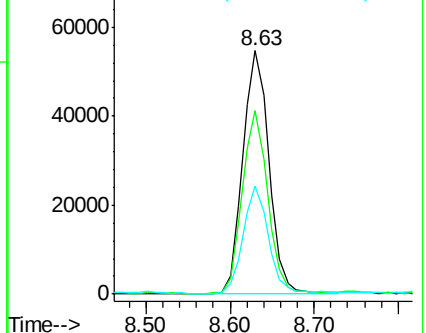
39 44.3 35.3 52.9

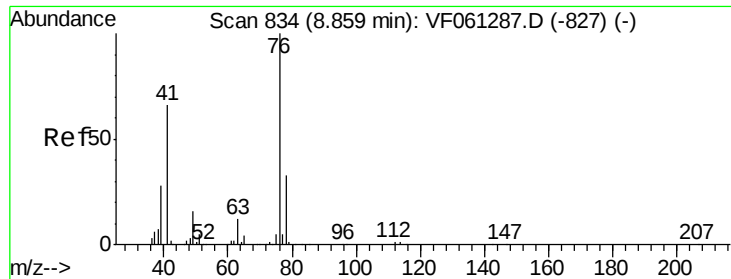


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 65.277 ug/l

RT: 8.87 min Scan# 835

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

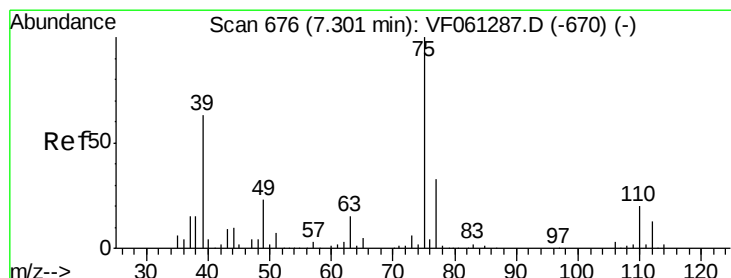
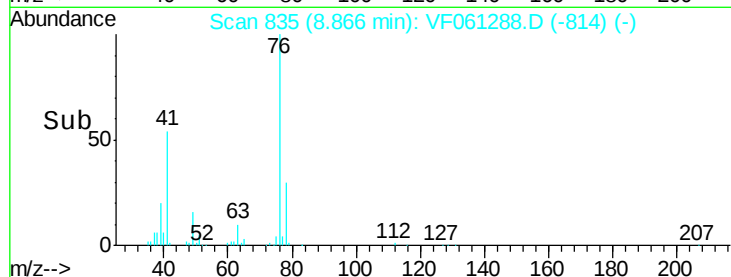
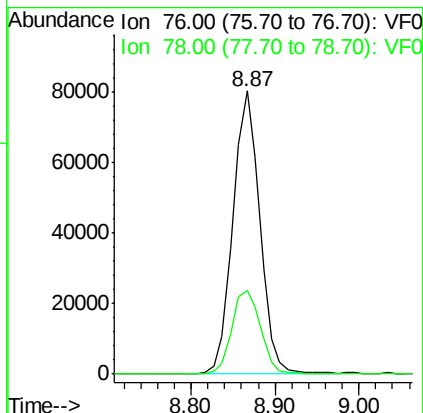
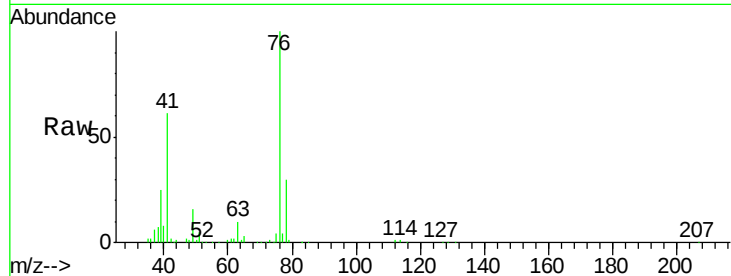
VSTDIC075

Tot Ion: 76 Resp: 179759

Ion Ratio Lower Upper

76 100

78 29.5 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 125.172 ug/l

RT: 7.31 min Scan# 677

Delta R.T. 0.01 min

Lab File: VF061288.D

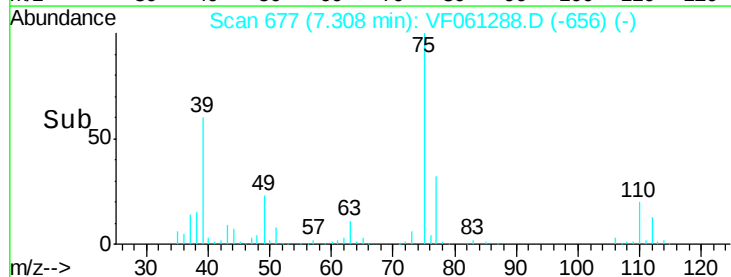
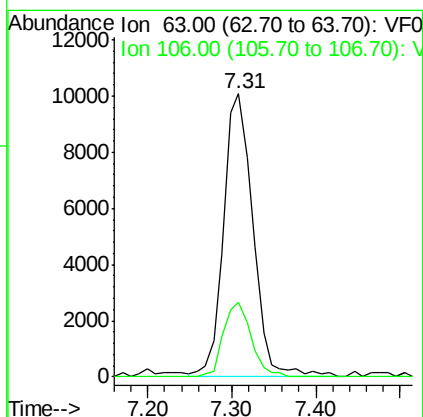
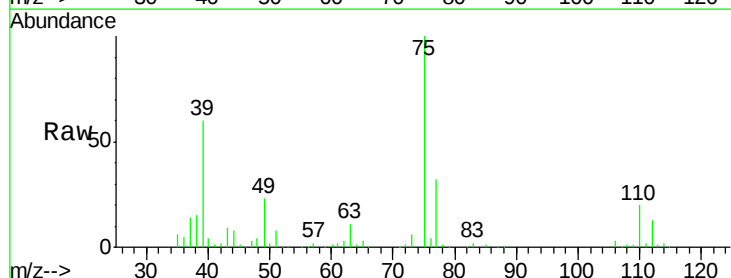
Acq: 8 Jan 2019 15:59

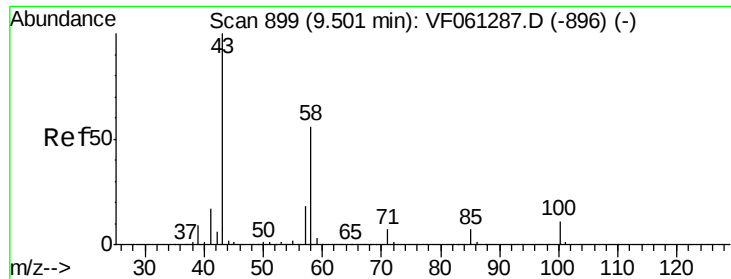
Tgt Ion: 63 Resp: 24610

Ion Ratio Lower Upper

63 100

106 26.2 16.5 24.7#

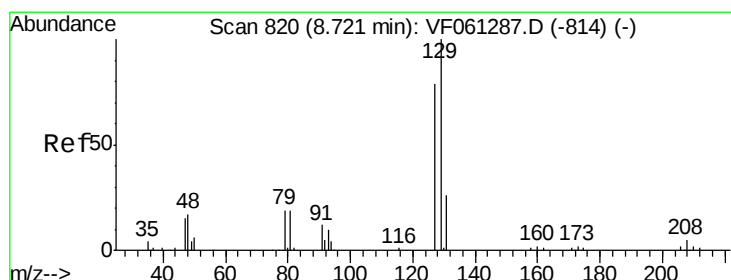
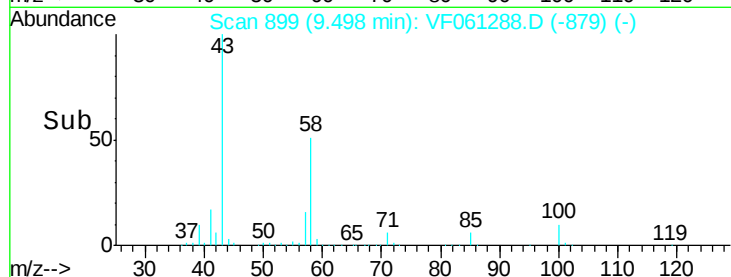
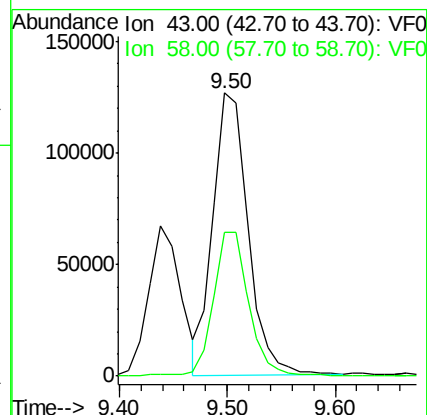
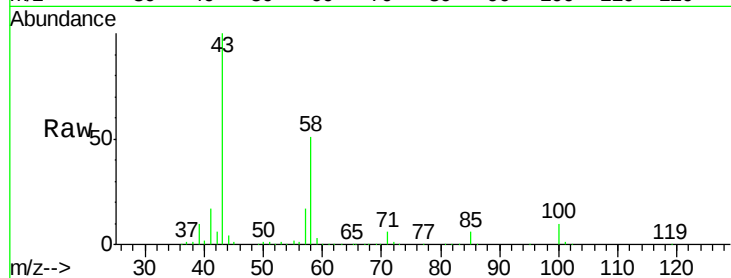




#59
2-Hexanone
Concen: 311.484 ug/l
RT: 9.50 min Scan# 899
Delta R.T. -0.00 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

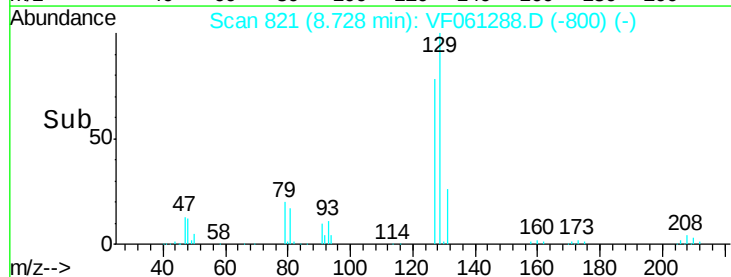
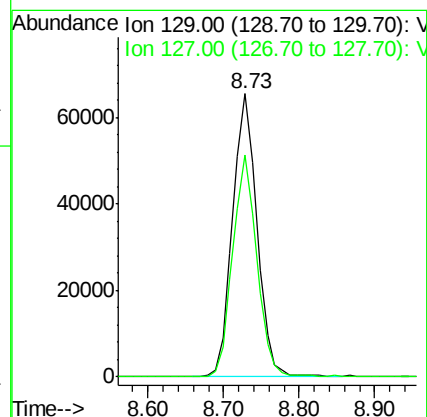
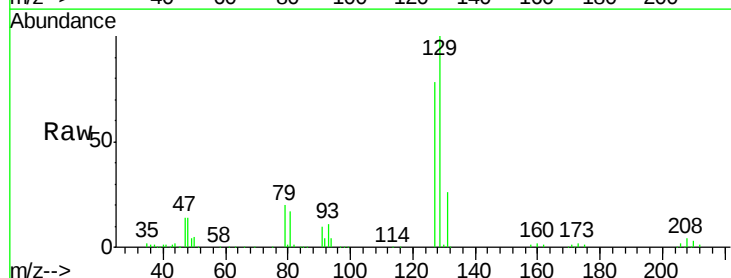
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

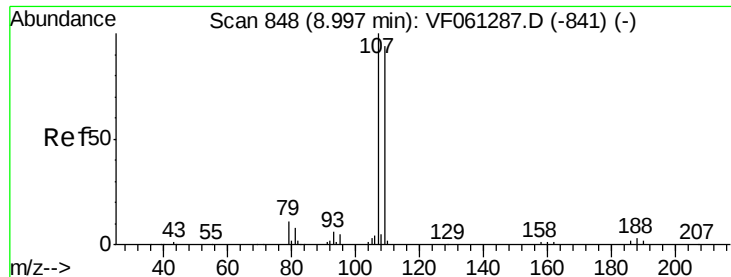
Tot Ion: 43 Resp: 286825
Ion Ratio Lower Upper
43 100
58 51.0 25.6 76.8



#60
Dibromochloromethane
Concen: 70.193 ug/l
RT: 8.73 min Scan# 821
Delta R.T. 0.01 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

Tgt Ion:129 Resp: 146061
Ion Ratio Lower Upper
129 100
127 78.2 39.4 118.1





#61

1,2-Dibromoethane

Concen: 65.828 ug/l

RT: 8.99 min Scan# 848

Delta R.T. -0.00 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

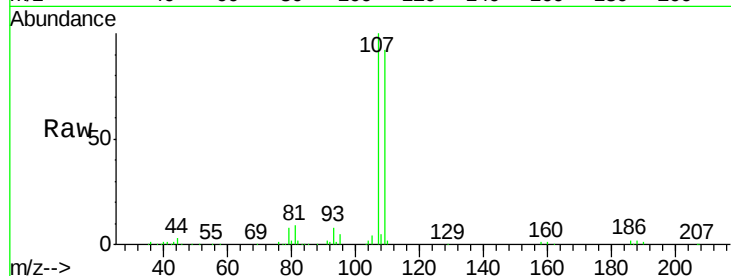
VSTDIC075

Tot Ion:107 Resp: 104076

Ion Ratio Lower Upper

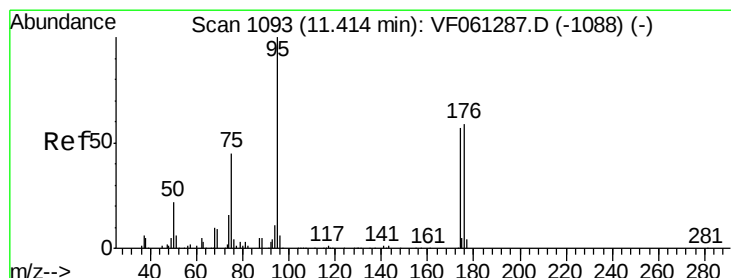
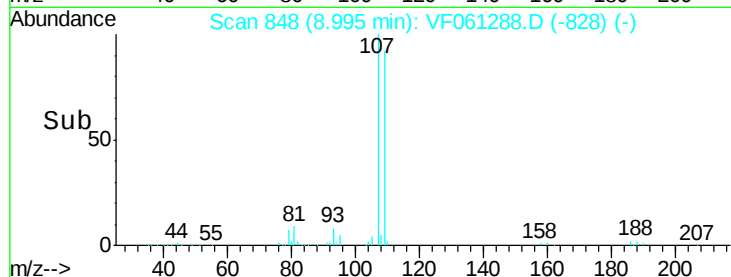
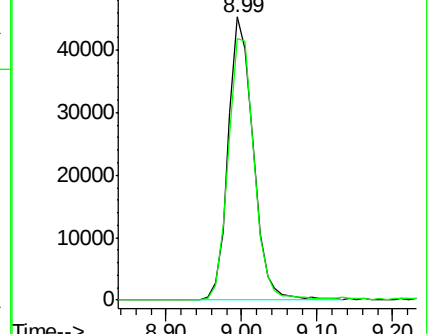
107 100

109 92.3 75.1 112.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 71.933 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

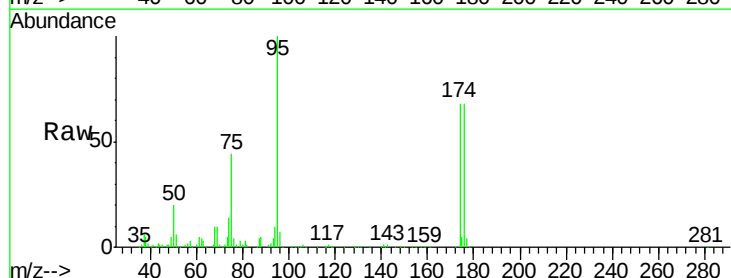
Tgt Ion: 95 Resp: 212388

Ion Ratio Lower Upper

95 100

174 68.2 0.0 114.2

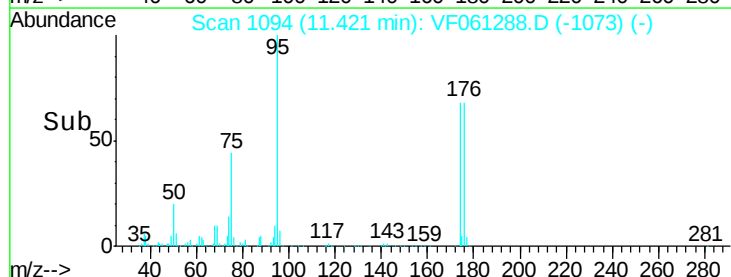
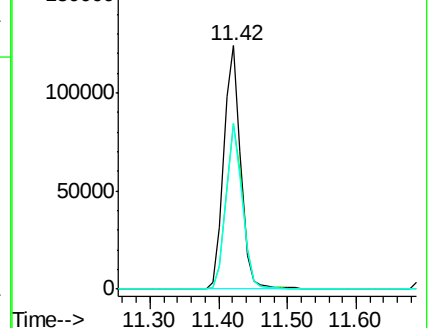
176 68.1 0.0 117.8

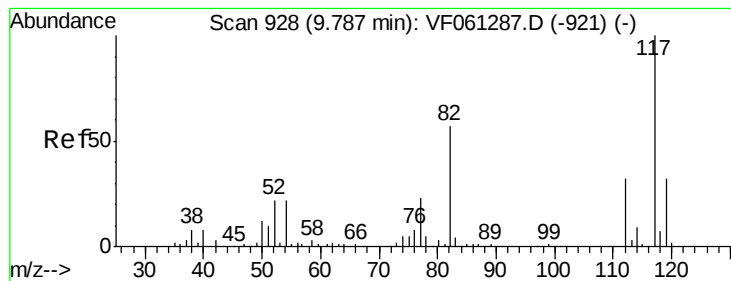


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.78 min Scan# 928

Delta R.T. -0.00 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

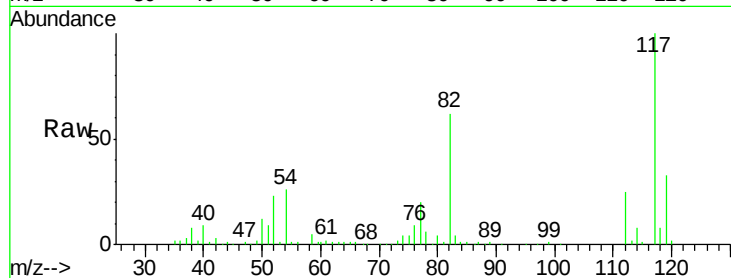
Tot Ion:117 Resp: 292350

Ion Ratio Lower Upper

117 100

82 61.5 45.3 67.9

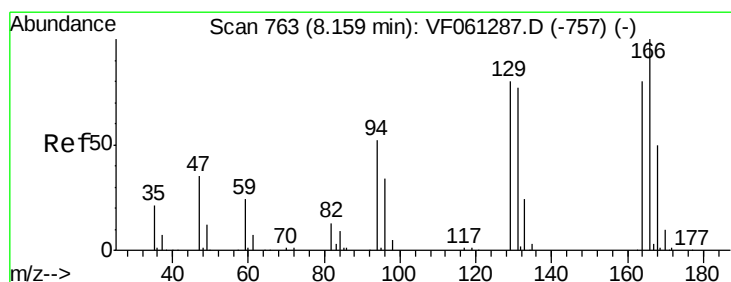
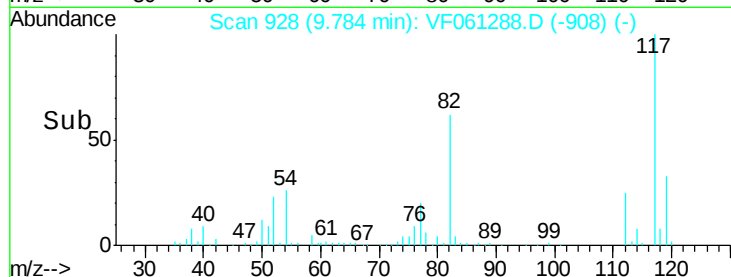
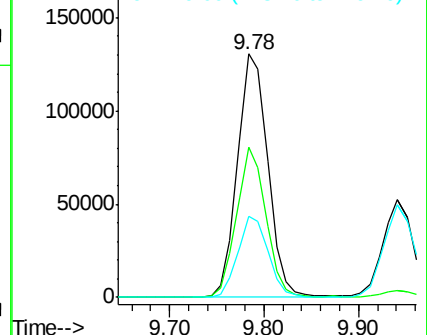
119 33.1 25.4 38.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64

Tetrachloroethene

Concen: 63.435 ug/l

RT: 8.17 min Scan# 764

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Tgt Ion:164 Resp: 142122

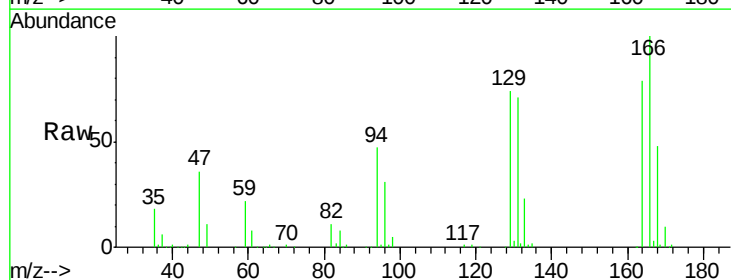
Ion Ratio Lower Upper

164 100

166 127.0 100.1 150.1

129 93.6 80.1 120.1

131 89.9 76.7 115.1

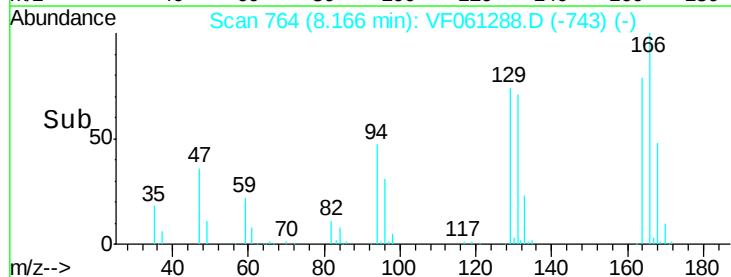
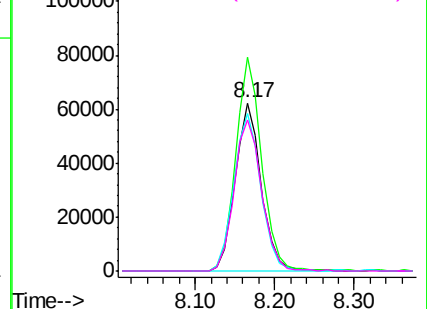


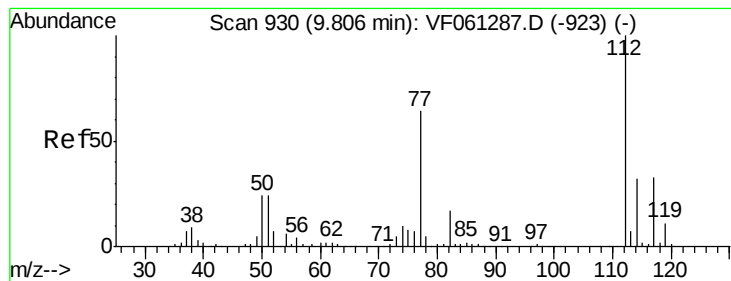
Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





#65

Chlorobenzene

Concen: 68.198 ug/l

RT: 9.81 min Scan# 931

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

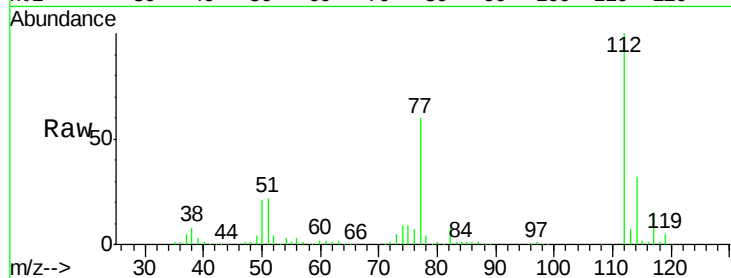
VSTDIC075

Tot Ion:112 Resp: 405418

Ion Ratio Lower Upper

112 100

114 32.1 25.8 38.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

9.81

200000

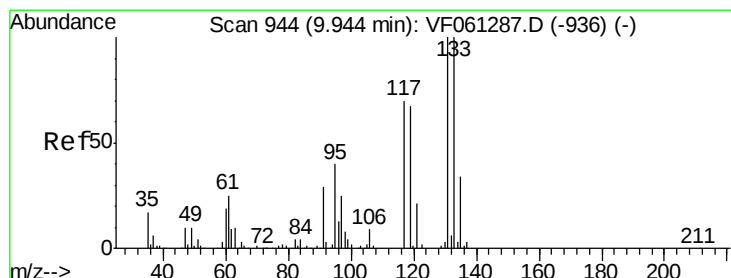
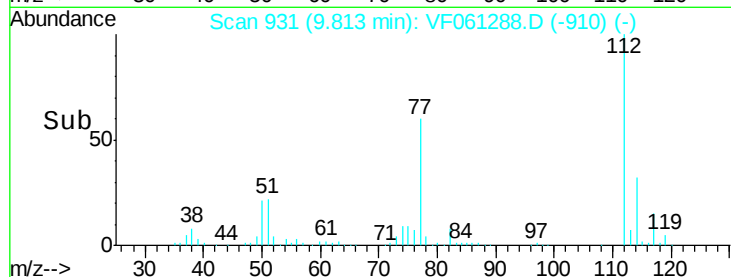
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 68.422 ug/l

RT: 9.94 min Scan# 944

Delta R.T. -0.00 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

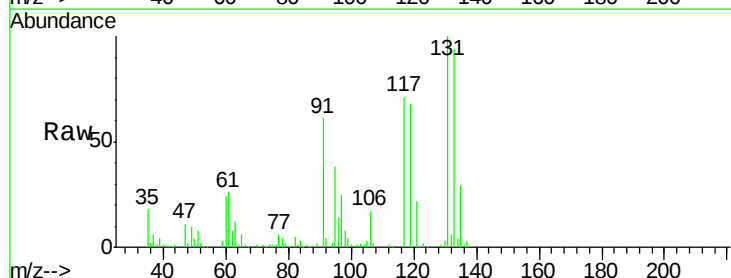
Tgt Ion:131 Resp: 167041

Ion Ratio Lower Upper

131 100

133 94.4 49.9 149.6

119 67.7 33.9 101.6



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

9.94

100000

80000

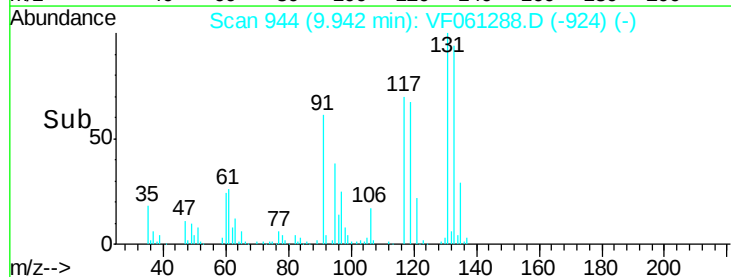
60000

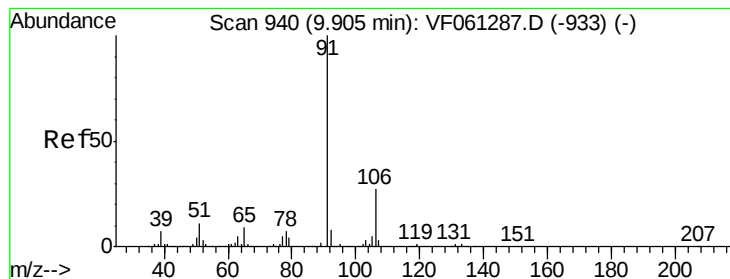
40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 69.424 ug/l

RT: 9.91 min Scan# 941

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

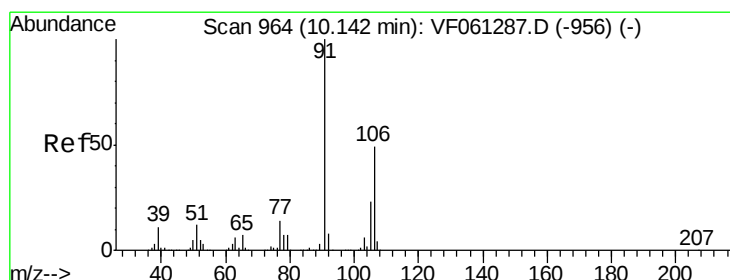
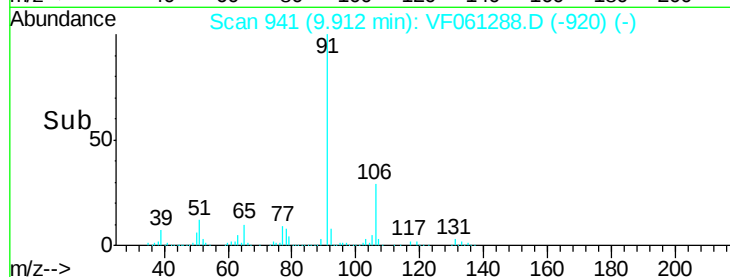
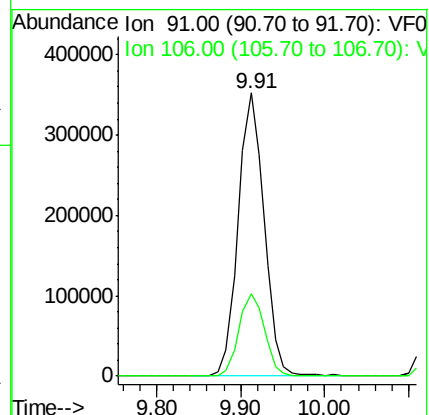
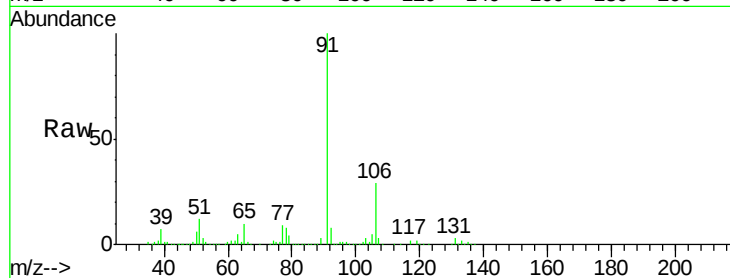
VSTDIC075

Tot Ion: 91 Resp: 758669

Ion Ratio Lower Upper

91 100

106 29.1 21.4 32.2



#68

m/p-Xylenes

Concen: 129.493 ug/l

RT: 10.14 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF061288.D

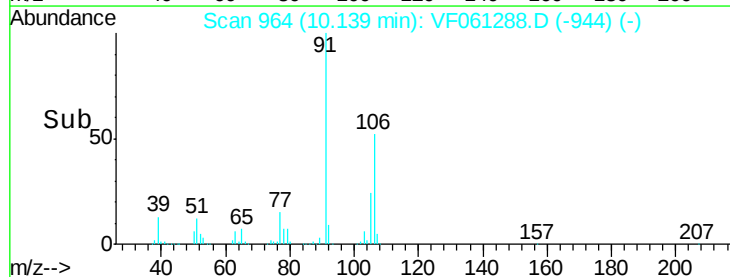
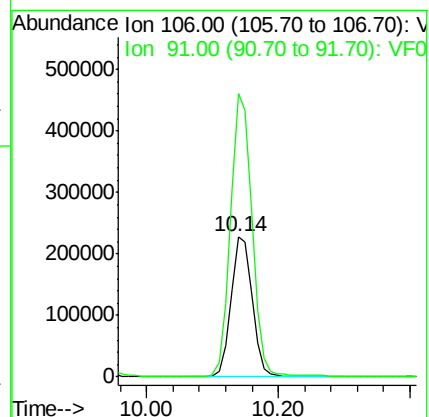
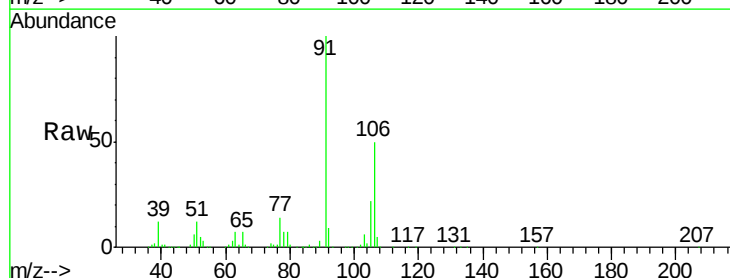
Acq: 8 Jan 2019 15:59

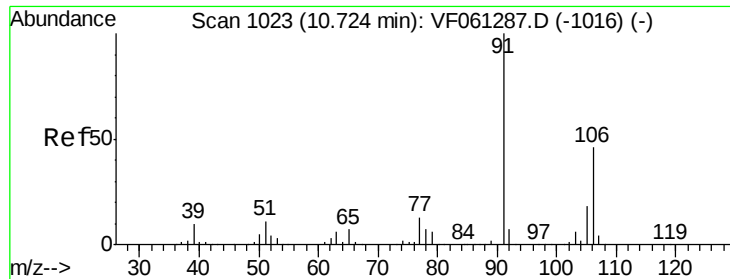
Tgt Ion: 106 Resp: 516432

Ion Ratio Lower Upper

106 100

91 201.3 165.0 247.6

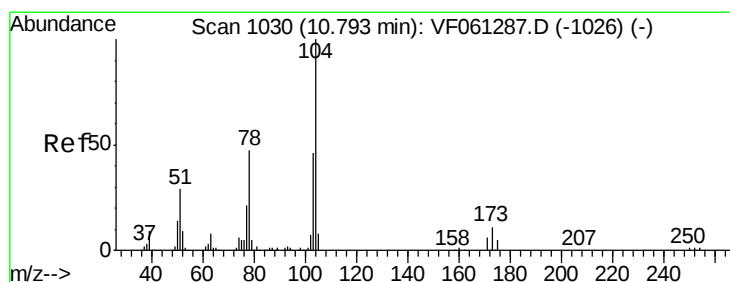
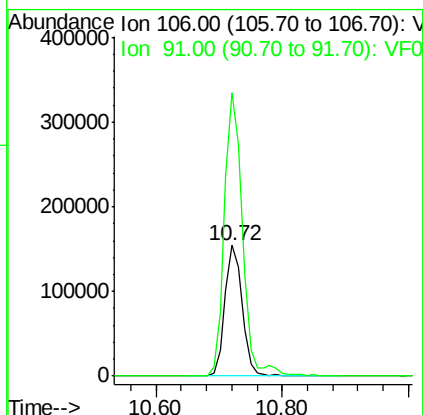
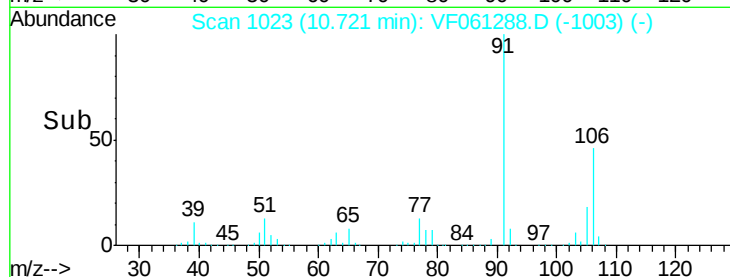
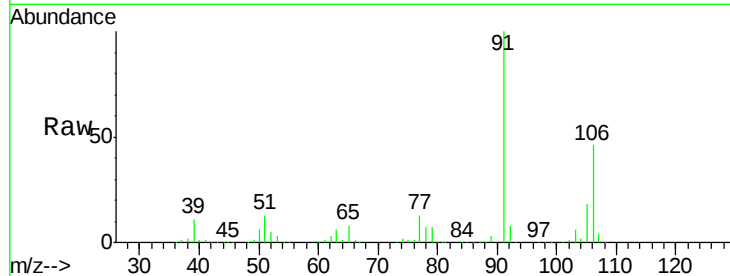




#69
o-Xylene
Concen: 68.526 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. -0.00 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

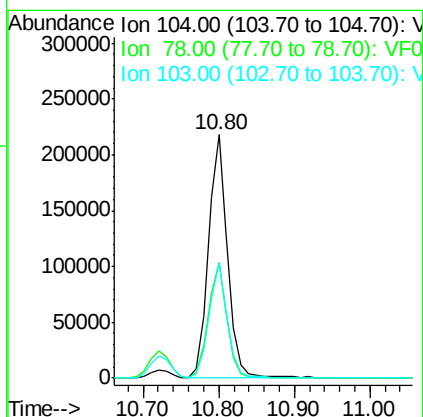
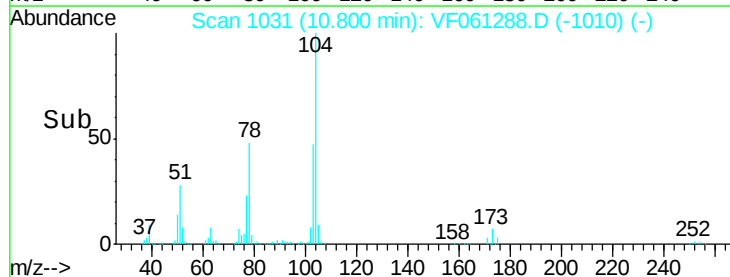
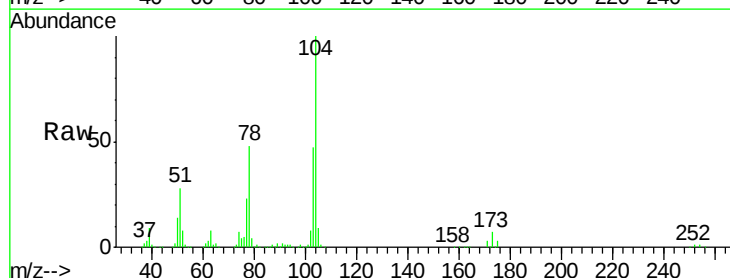
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

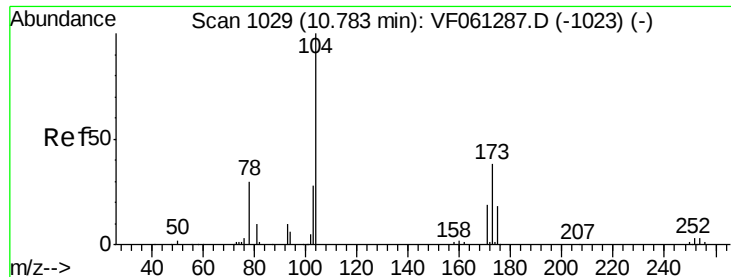
Tot Ion:106 Resp: 295637
Ion Ratio Lower Upper
106 100
91 216.7 108.1 324.4



#70
Styrene
Concen: 64.740 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

Tgt Ion:104 Resp: 384489
Ion Ratio Lower Upper
104 100
78 47.7 38.0 57.0
103 47.3 36.7 55.1





#71

Bromoform

Concen: 60.233 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

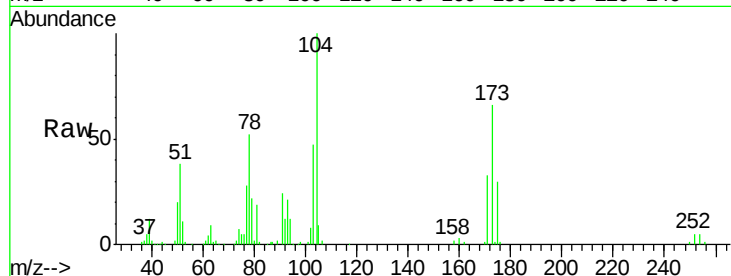
Tot Ion:173 Resp: 68460

Ion Ratio Lower Upper

173 100

175 45.8 24.1 72.2

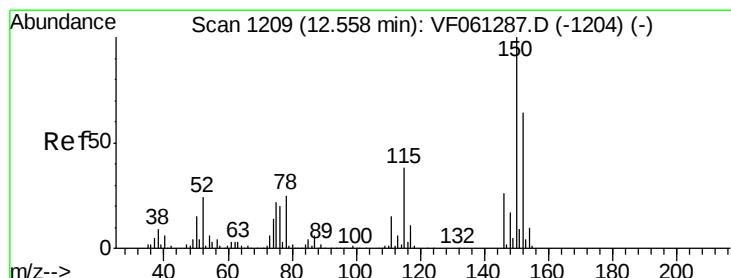
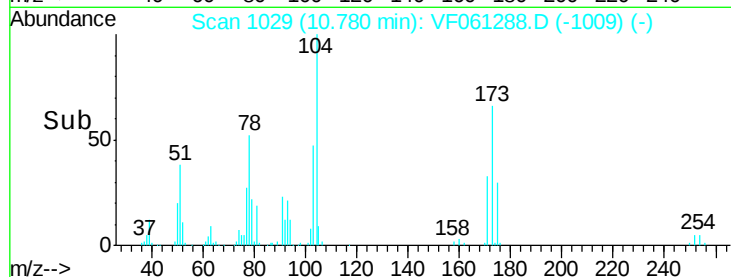
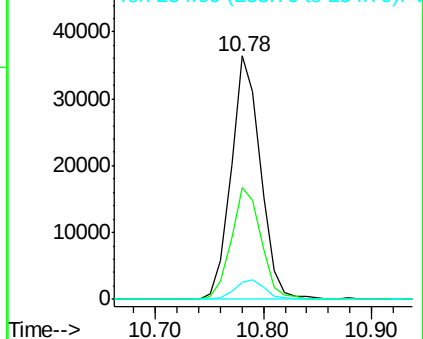
254 6.9 0.0 0.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1209

Delta R.T. -0.00 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

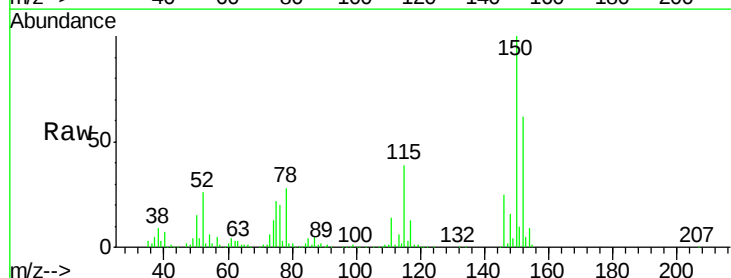
Tgt Ion:152 Resp: 143652

Ion Ratio Lower Upper

152 100

115 63.1 29.6 88.9

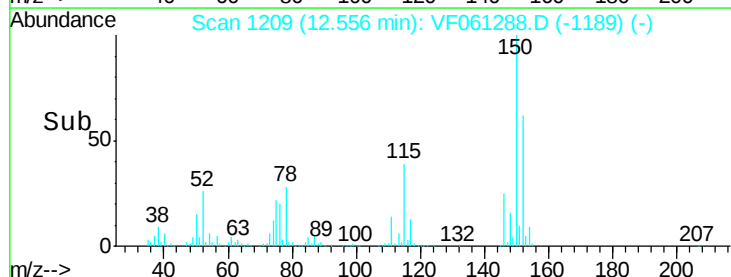
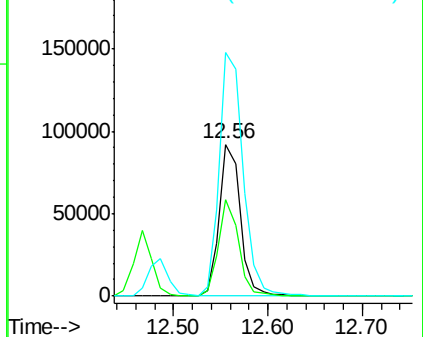
150 160.2 0.0 315.4

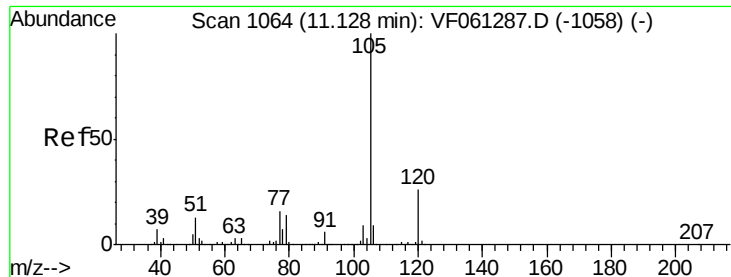


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 72.025 ug/l

RT: 11.14 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

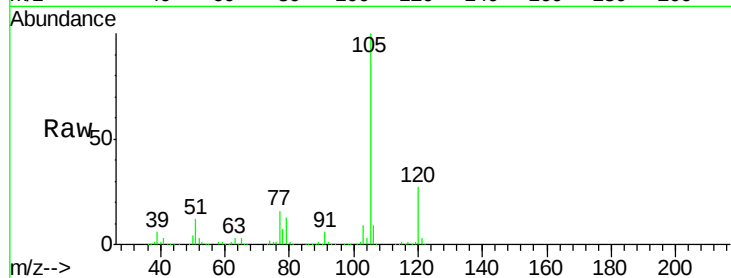
VSTDIC075

Tot Ion:105 Resp: 878868

Ion Ratio Lower Upper

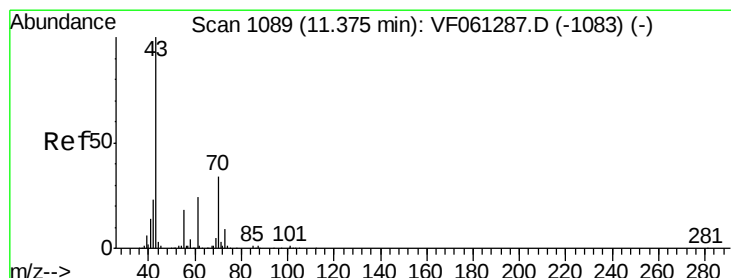
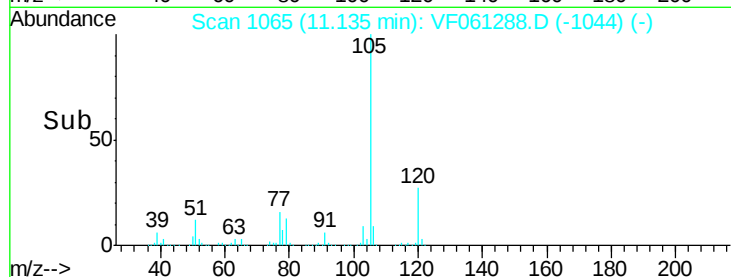
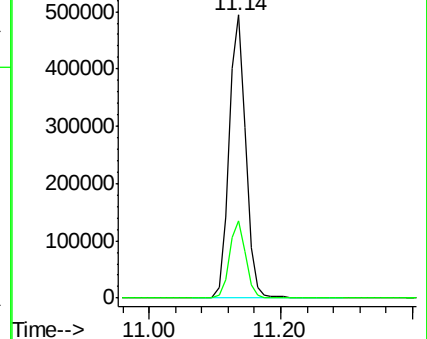
105 100

120 27.1 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 59.997 ug/l

RT: 11.38 min Scan# 1090

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Tgt Ion: 43 Resp: 184835

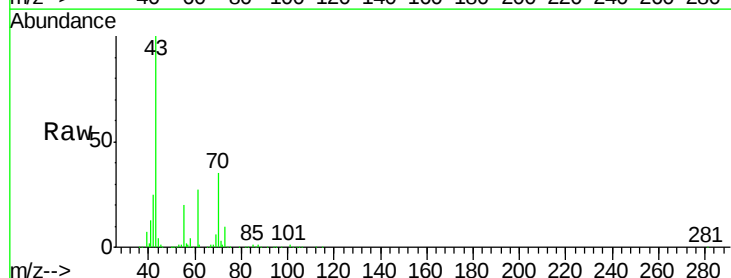
Ion Ratio Lower Upper

43 100

70 34.8 27.4 41.0

55 20.2 14.7 22.1

61 26.7 19.0 28.4

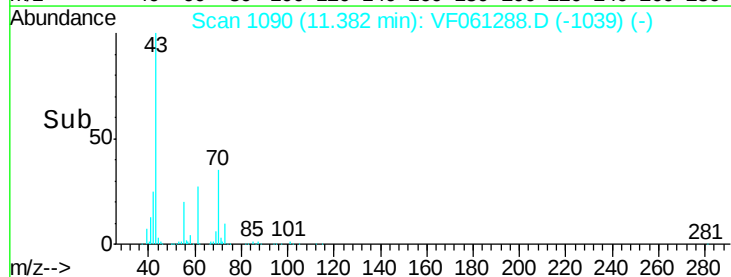
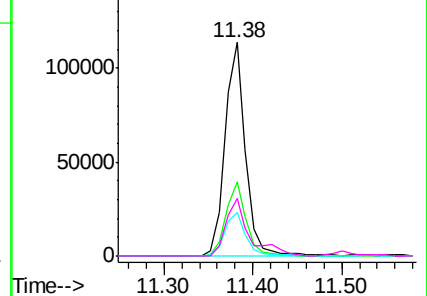


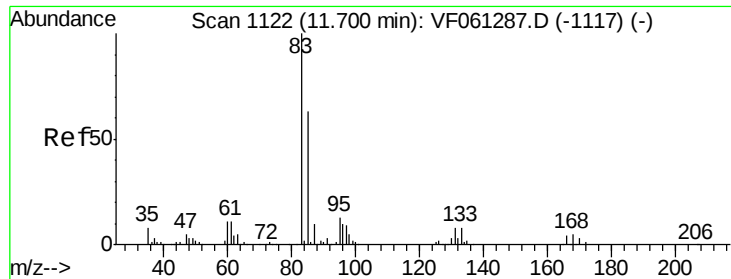
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 63.867 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampled :

VSTDIC075

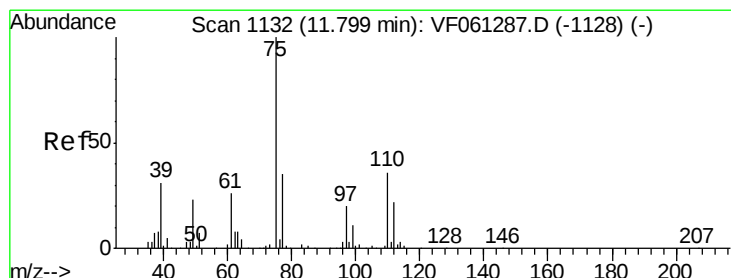
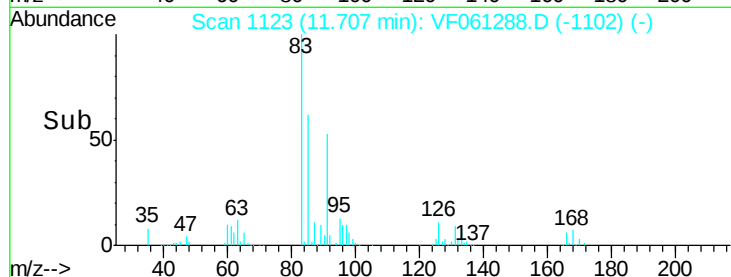
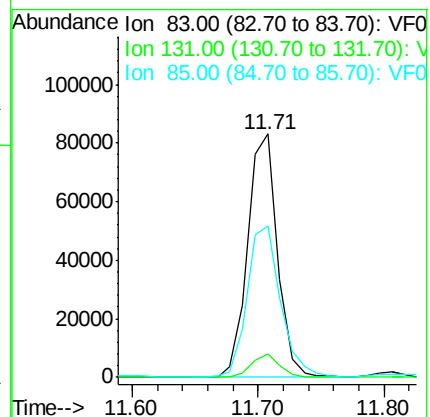
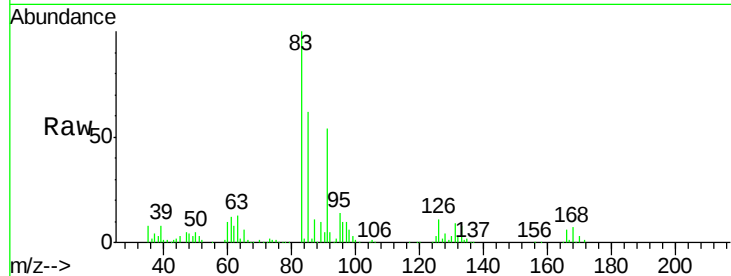
Tot Ion: 83 Resp: 136126

Ion Ratio Lower Upper

83 100

131 9.5 3.9 11.7

85 62.2 31.6 94.7



#76

1,2,3-Trichloropropane

Concen: 61.821 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. 0.01 min

Lab File: VF061288.D

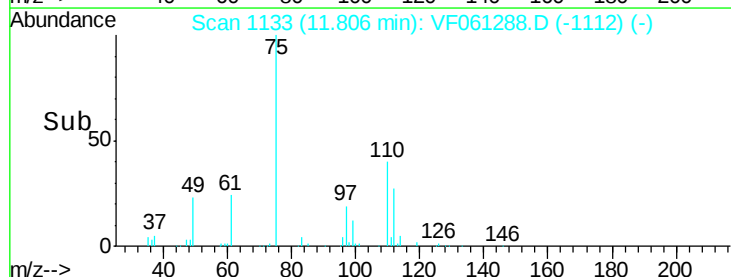
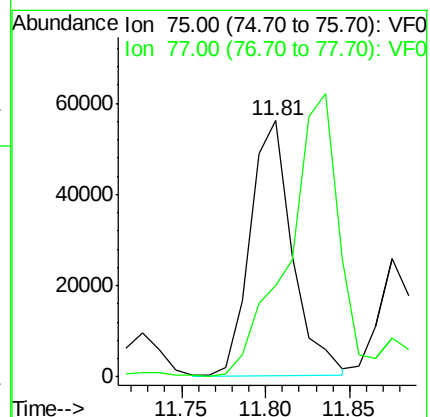
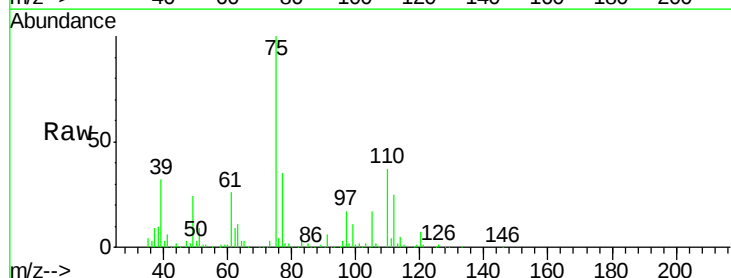
Acq: 8 Jan 2019 15:59

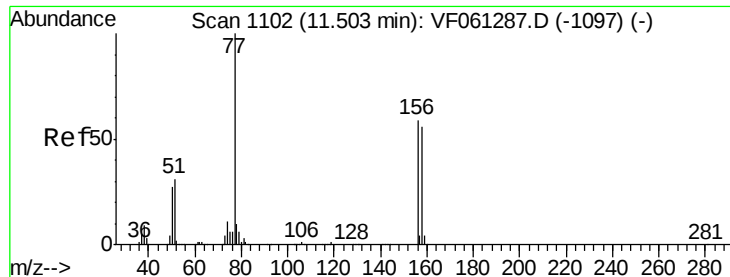
Tgt Ion: 75 Resp: 97816

Ion Ratio Lower Upper

75 100

77 35.4 17.5 52.5

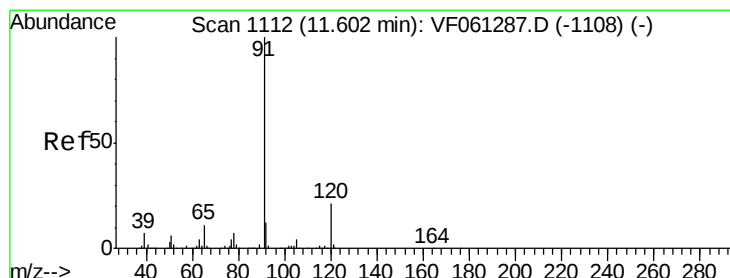
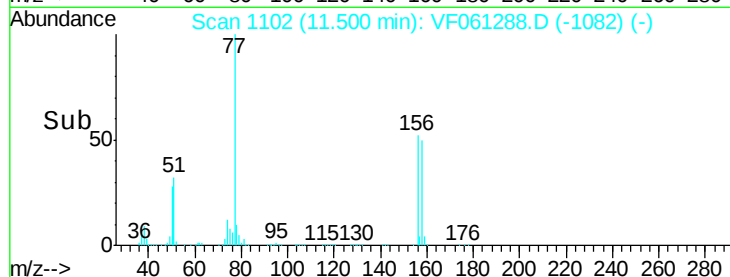
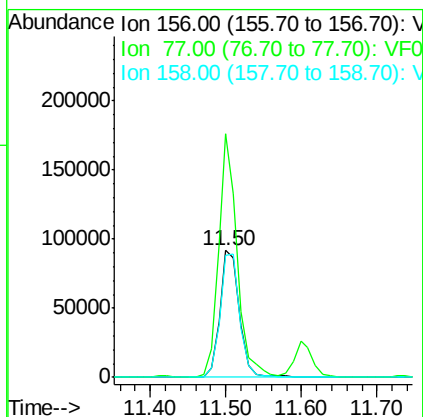
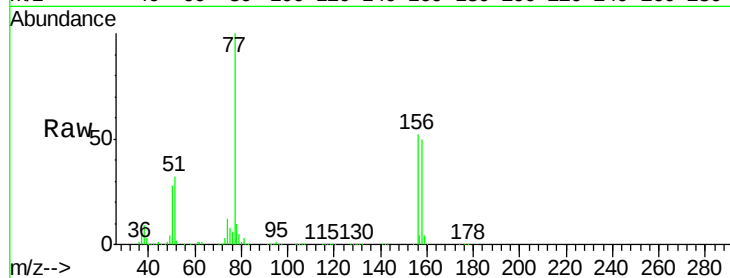




#77
Bromobenzene
Concen: 64.701 ug/l
RT: 11.50 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

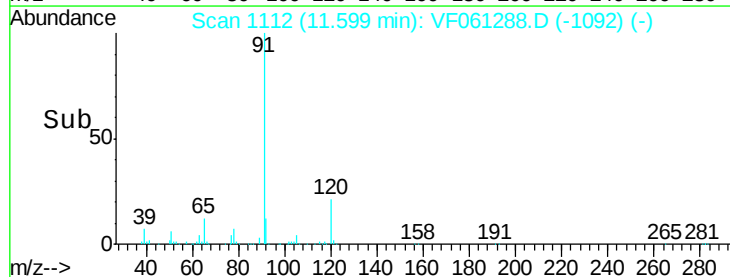
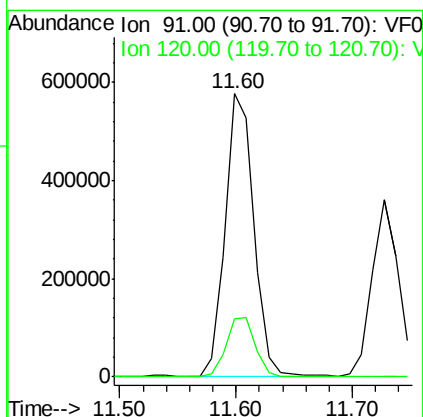
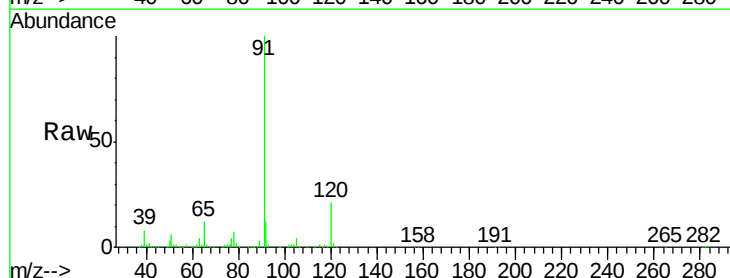
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

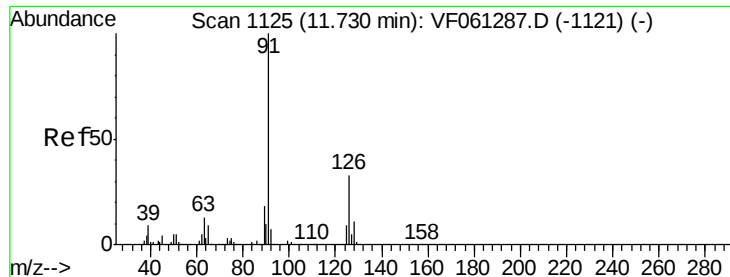
Tot Ion:156 Resp: 165740
Ion Ratio Lower Upper
156 100
77 192.4 84.3 252.9
158 96.8 47.1 141.3



#78
n-propylbenzene
Concen: 67.600 ug/l
RT: 11.60 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

Tgt Ion: 91 Resp: 983219
Ion Ratio Lower Upper
91 100
120 20.7 10.7 32.1





#79

2-Chlorotoluene

Concen: 67.531 ug/l

RT: 11.73 min Scan# 1125

Delta R.T. -0.00 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

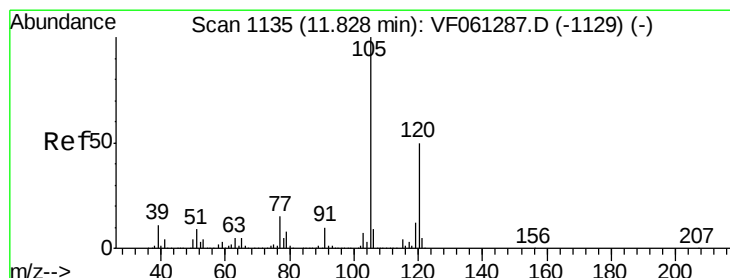
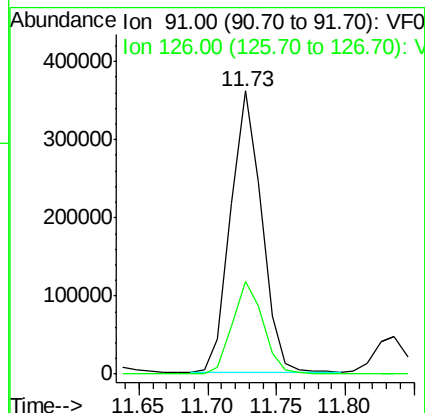
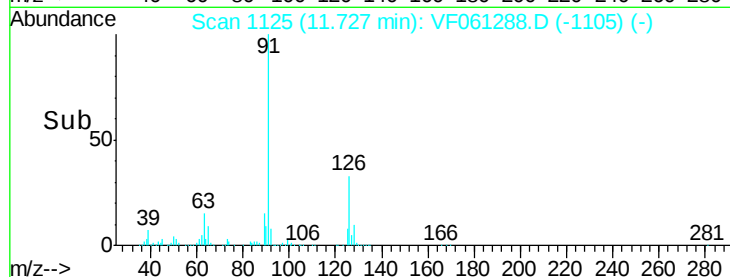
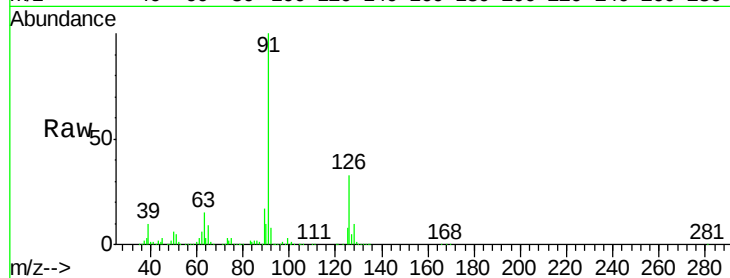
VSTDIC075

Tot Ion: 91 Resp: 567257

Ion Ratio Lower Upper

91 100

126 32.8 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 71.094 ug/l

RT: 11.84 min Scan# 1136

Delta R.T. 0.01 min

Lab File: VF061288.D

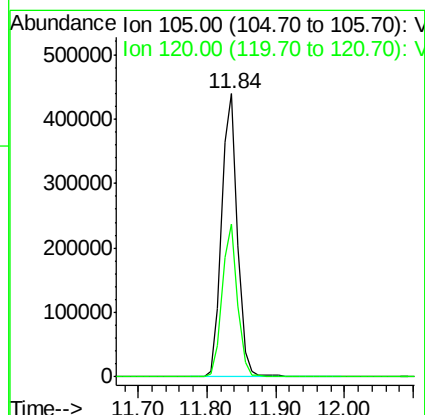
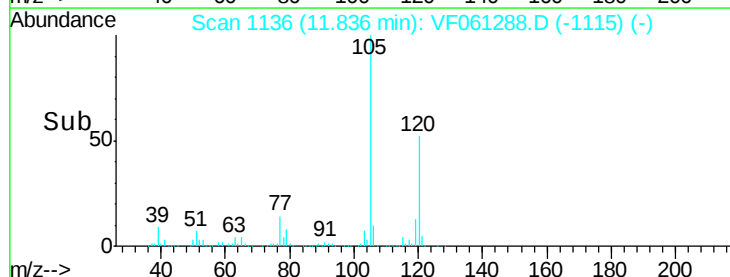
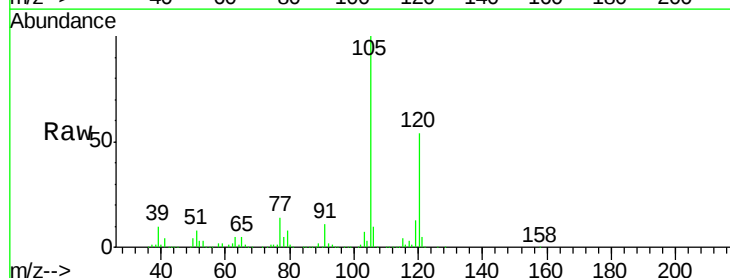
Acq: 8 Jan 2019 15:59

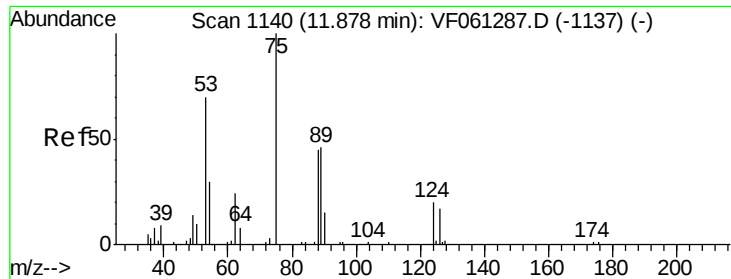
Tgt Ion: 105 Resp: 700349

Ion Ratio Lower Upper

105 100

120 53.8 25.2 75.6

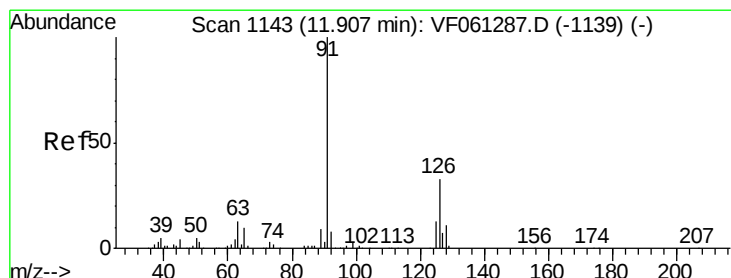
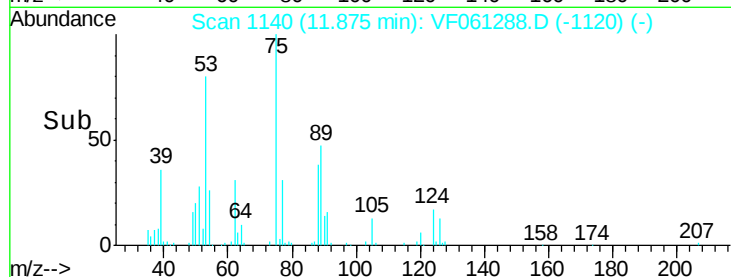
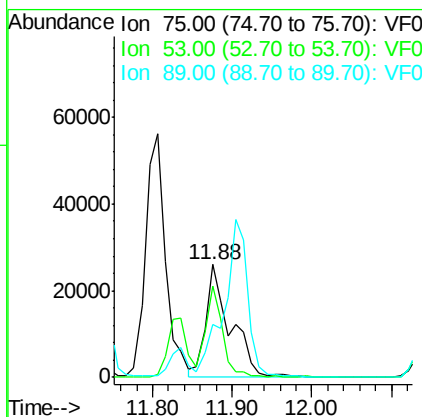
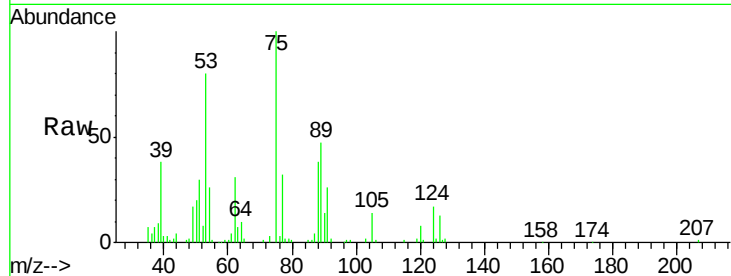




#81
trans-1,4-Dichloro-2-butene
Concen: 77.791 ug/l
RT: 11.88 min Scan# 1140
Delta R.T. -0.00 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

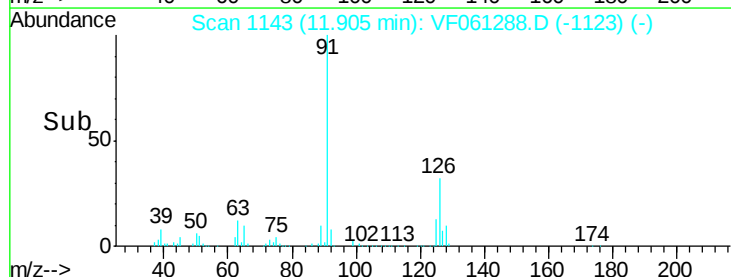
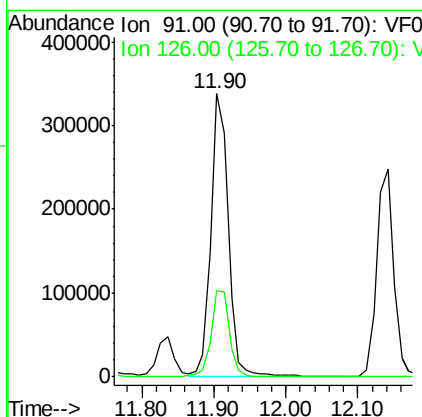
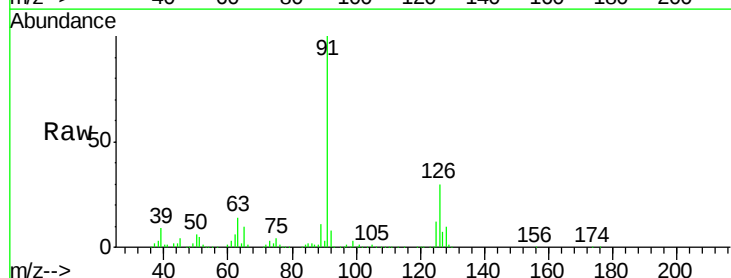
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

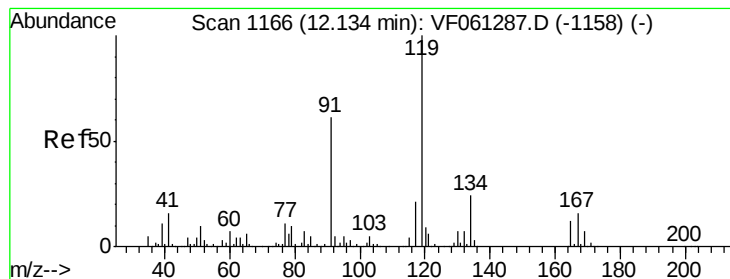
Tot Ion: 75 Resp: 56413
Ion Ratio Lower Upper
75 100
53 80.4 62.2 93.2
89 47.2 40.2 60.4



#82
4-Chlorotoluene
Concen: 65.309 ug/l
RT: 11.90 min Scan# 1143
Delta R.T. -0.00 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

Tgt Ion: 91 Resp: 556126
Ion Ratio Lower Upper
91 100
126 30.4 16.4 49.4





#83

tert-Butylbenzene

Concen: 65.939 ug/l

RT: 12.14 min Scan# 1167

Delta R.T. 0.01 min

Lab File: VF061288.D

Acq: 8 Jan 2019 15:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

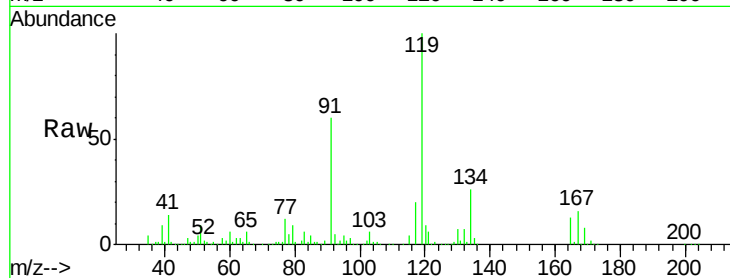
Tot Ion:119 Resp: 669735

Ion Ratio Lower Upper

119 100

91 60.4 30.8 92.4

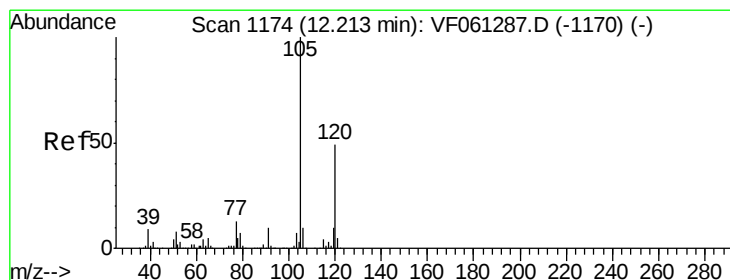
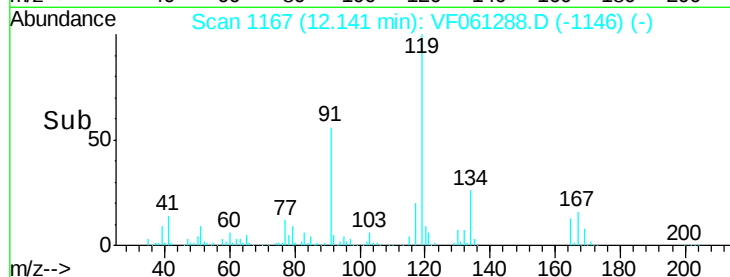
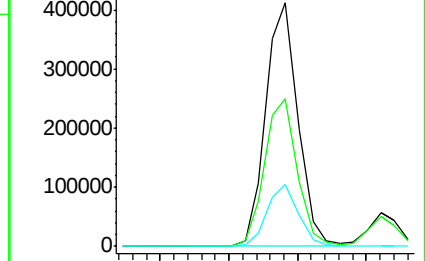
134 25.6 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 70.146 ug/l

RT: 12.21 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VF061288.D

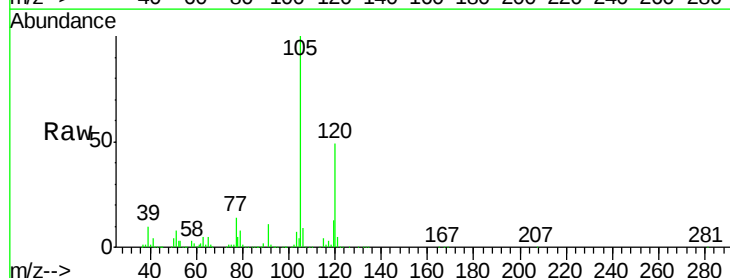
Acq: 8 Jan 2019 15:59

Tgt Ion:105 Resp: 687915

Ion Ratio Lower Upper

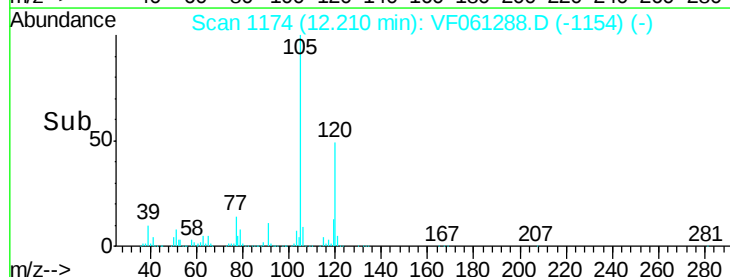
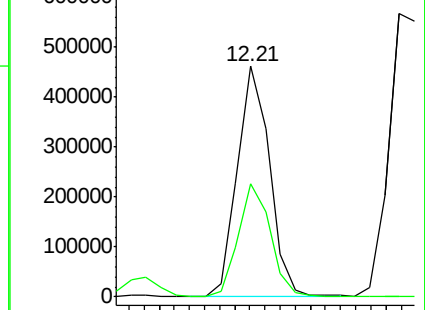
105 100

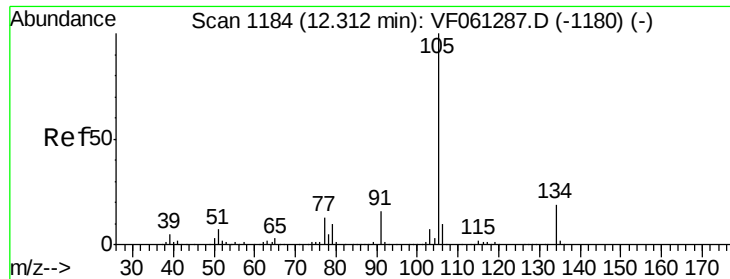
120 49.4 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

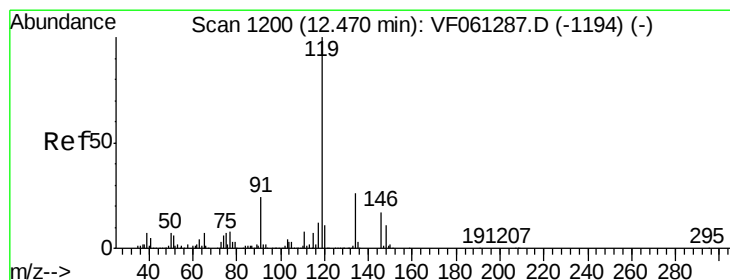
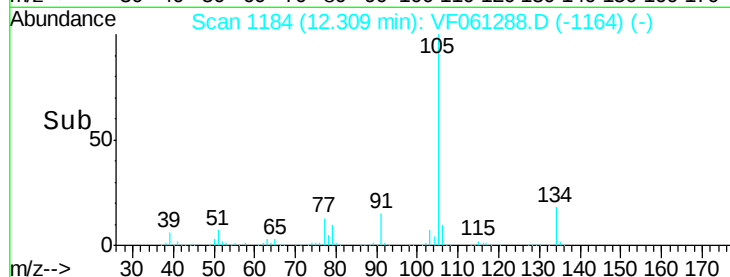
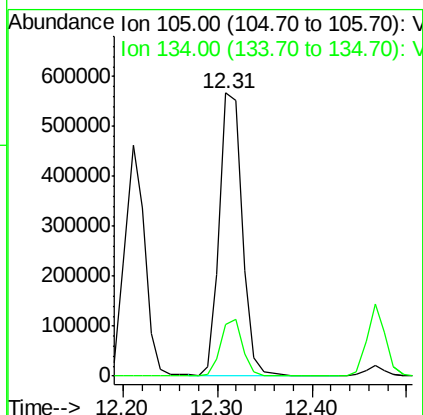
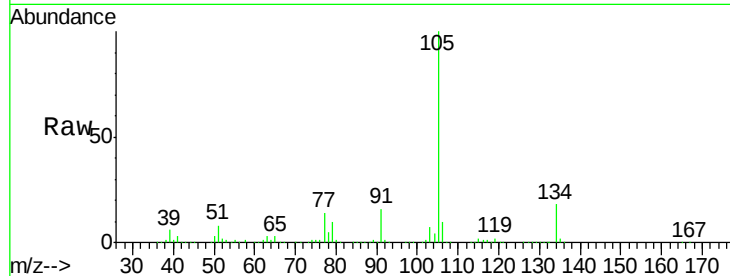




#85
 sec-Butylbenzene
 Concen: 69.147 ug/l
 RT: 12.31 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF061288.D
 Acq: 8 Jan 2019 15:59

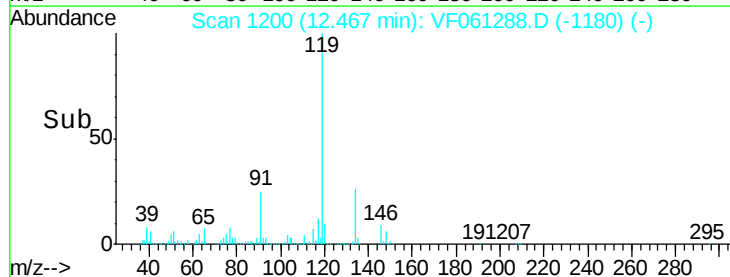
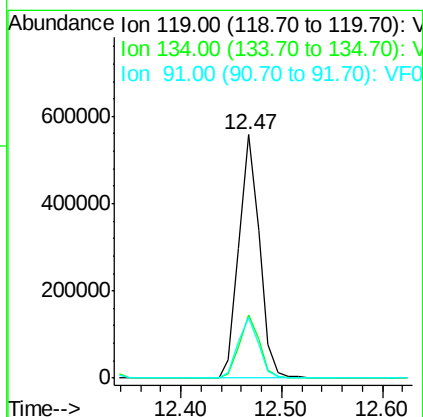
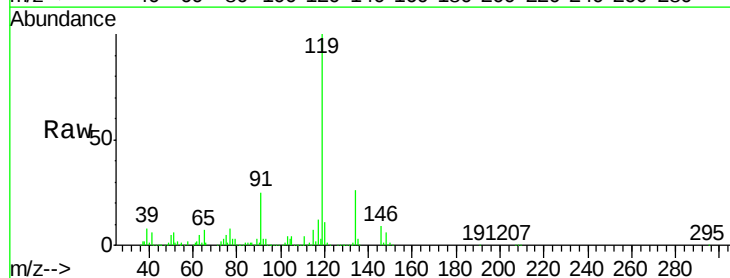
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

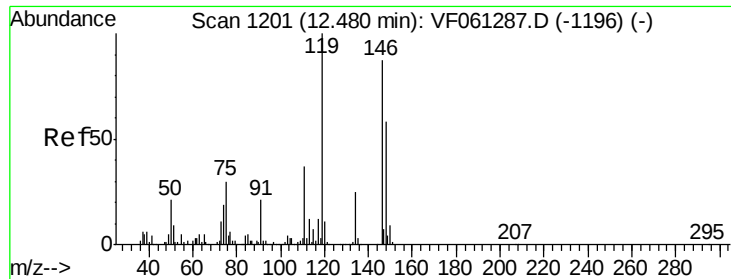
Tot Ion:105 Resp: 952667
 Ion Ratio Lower Upper
 105 100
 134 18.2 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 69.794 ug/l
 RT: 12.47 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: VF061288.D
 Acq: 8 Jan 2019 15:59

Tgt Ion:119 Resp: 792295
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.0 39.0
 91 25.0 12.2 36.4

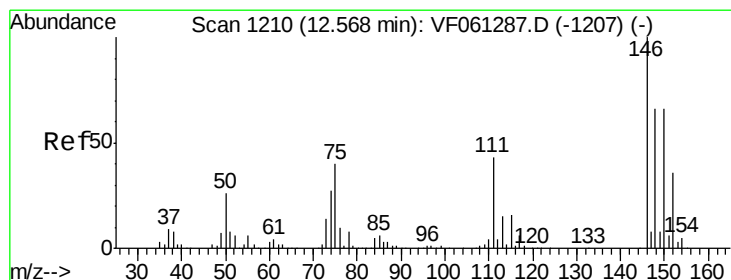
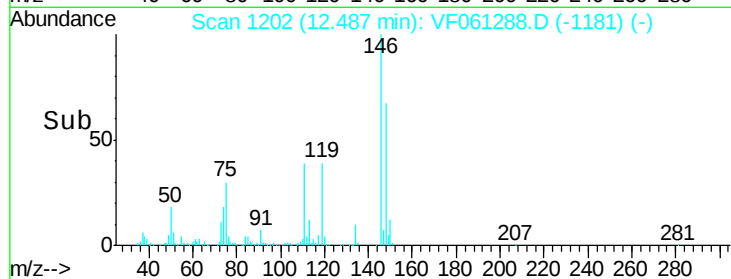
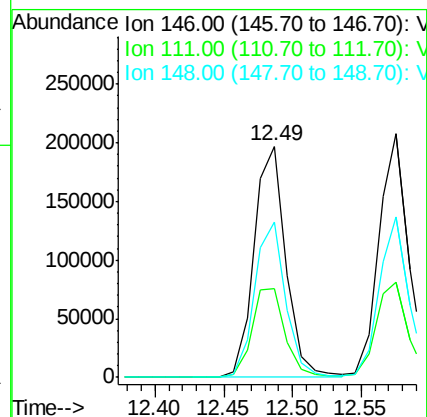
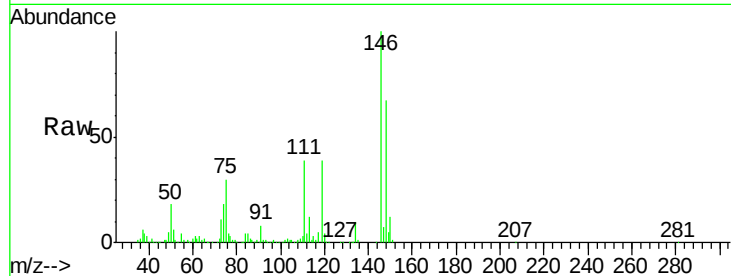




#87
 1,3-Dichlorobenzene
 Concen: 64.493 ug/l
 RT: 12.49 min Scan# 1202
 Delta R.T. 0.01 min
 Lab File: VF061288.D
 Acq: 8 Jan 2019 15:59

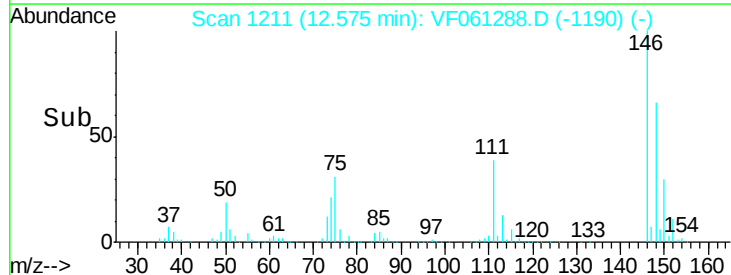
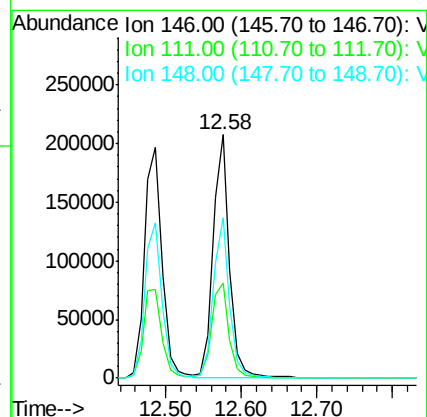
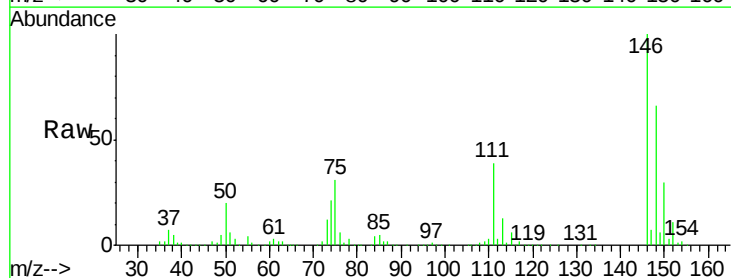
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

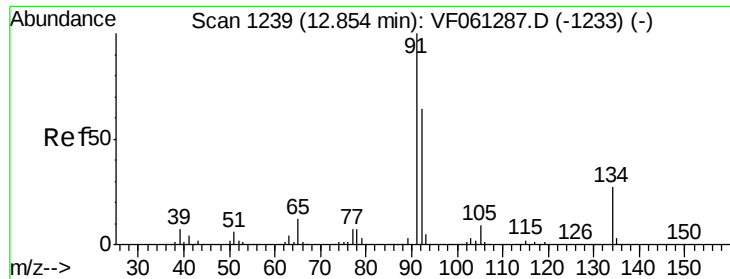
Tot Ion:146 Resp: 318788
 Ion Ratio Lower Upper
 146 100
 111 38.6 21.1 63.3
 148 67.3 33.1 99.5



#88
 1,4-Dichlorobenzene
 Concen: 65.301 ug/l
 RT: 12.58 min Scan# 1211
 Delta R.T. 0.01 min
 Lab File: VF061288.D
 Acq: 8 Jan 2019 15:59

Tgt Ion:146 Resp: 314940
 Ion Ratio Lower Upper
 146 100
 111 38.9 21.4 64.2
 148 65.9 33.0 98.9

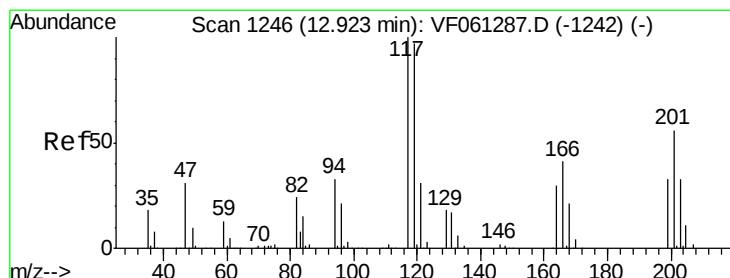
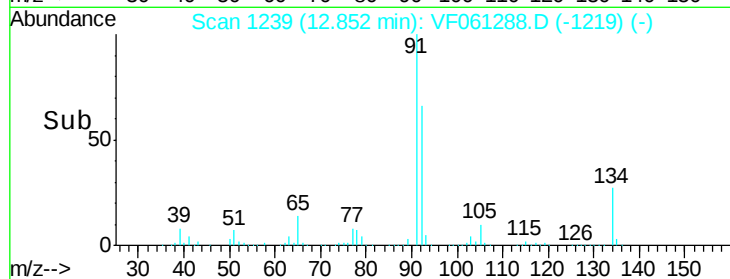
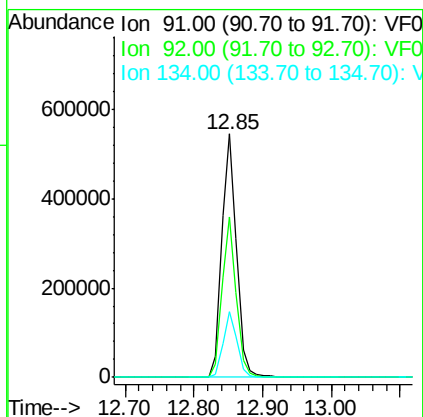
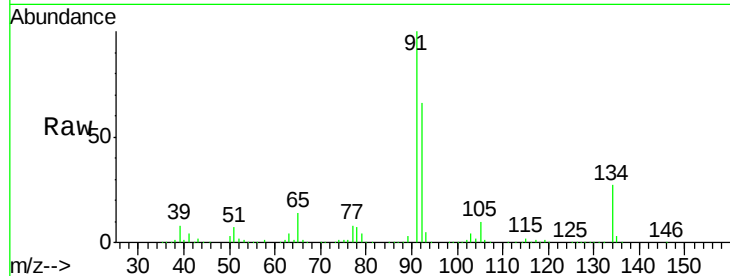




#89
n-Butylbenzene
Concen: 68.822 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

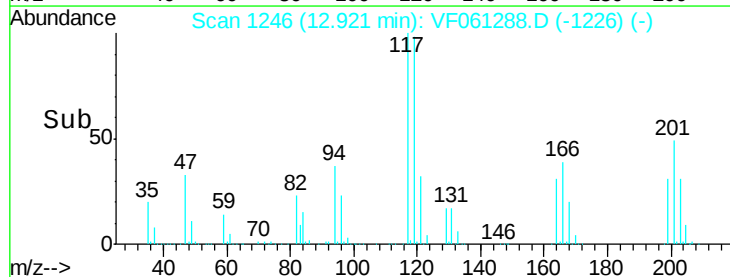
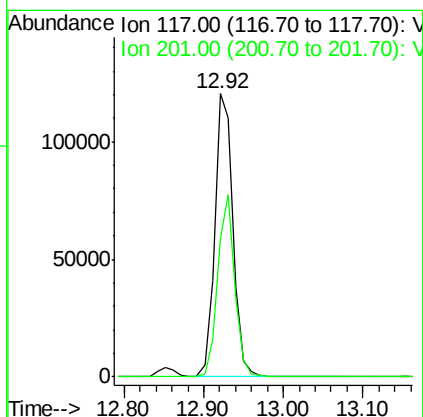
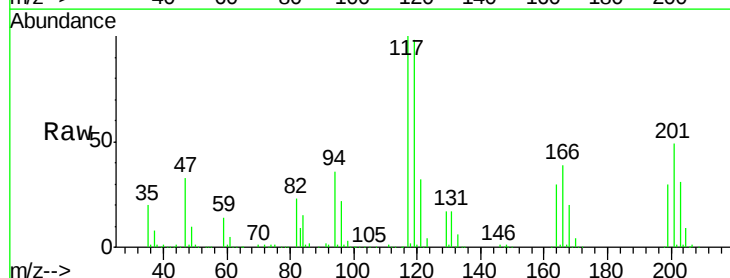
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

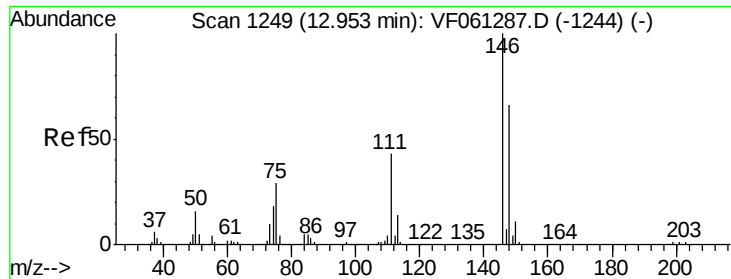
Tot Ion: 91 Resp: 802696
Ion Ratio Lower Upper
91 100
92 65.7 32.1 96.3
134 26.9 13.4 40.1



#90
Hexachloroethane
Concen: 69.076 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

Tgt Ion: 117 Resp: 193458
Ion Ratio Lower Upper
117 100
201 49.0 27.9 83.7

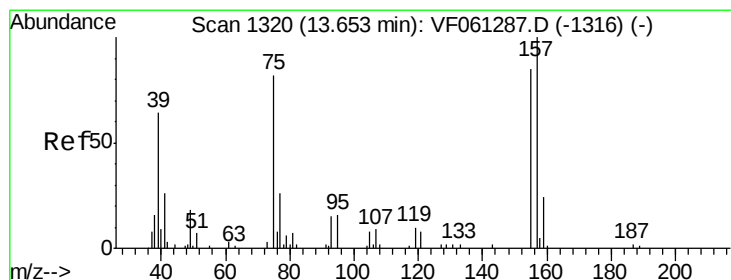
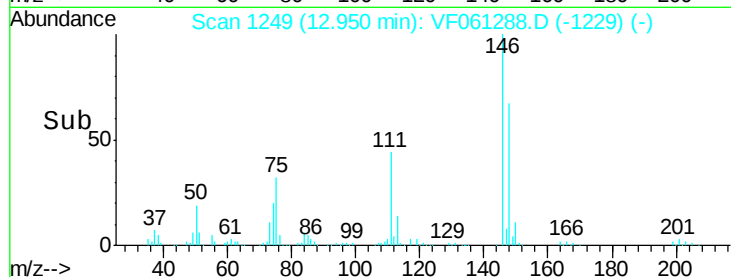
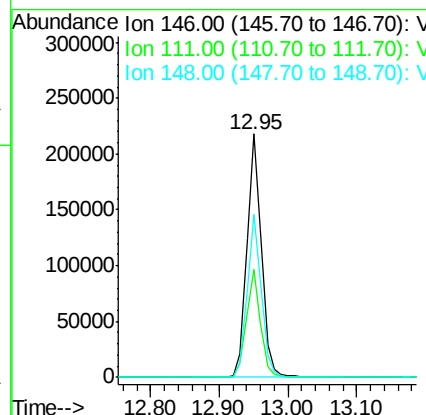
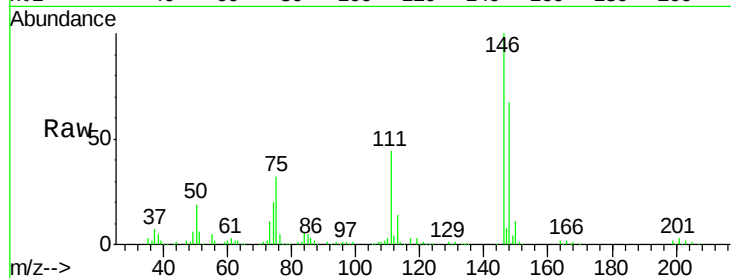




#91
 1,2-Dichlorobenzene
 Concen: 67.067 ug/l
 RT: 12.95 min Scan# 1249
 Delta R.T. -0.00 min
 Lab File: VF061288.D
 Acq: 8 Jan 2019 15:59

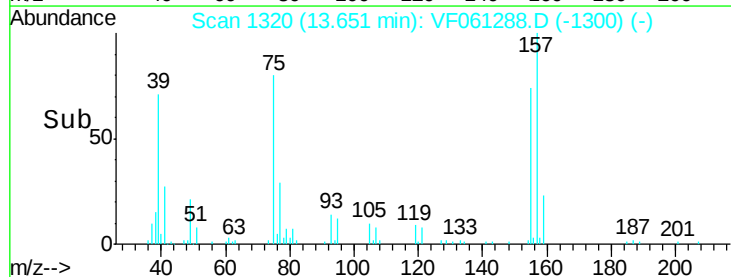
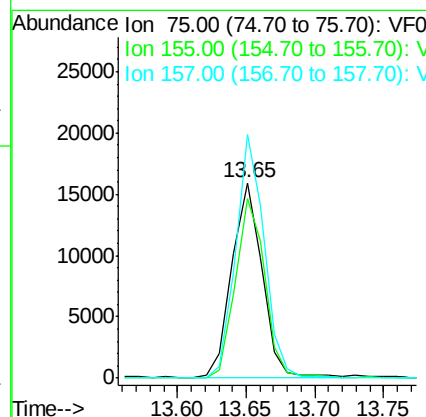
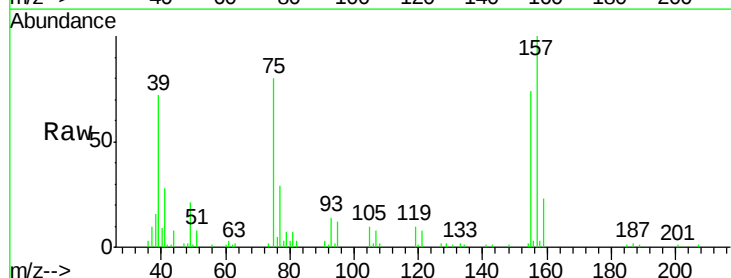
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.3	21.4	64.3
148	67.0	33.1	99.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.252 ug/l
 RT: 13.65 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VF061288.D
 Acq: 8 Jan 2019 15:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.3	51.3	154.0
157	124.8	60.7	182.0

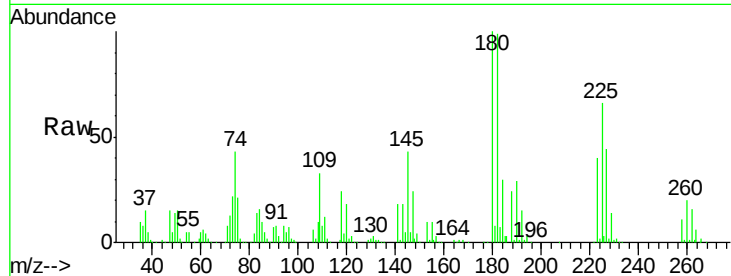




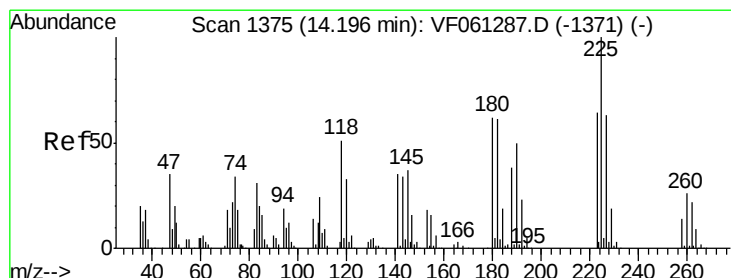
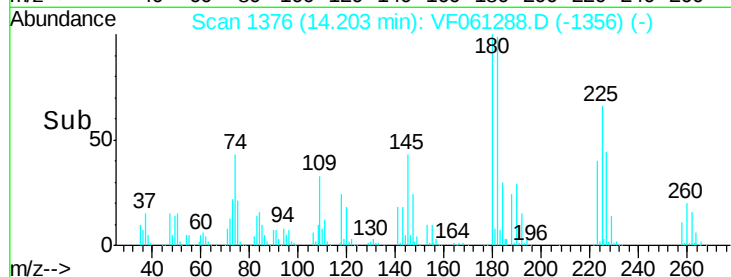
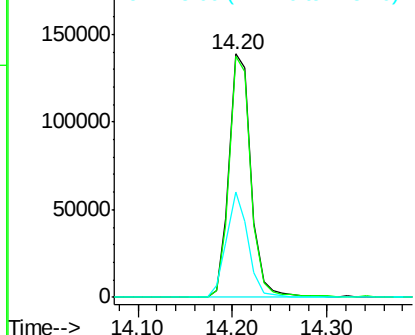
#93
 1,2,4-Trichlorobenzene
 Concen: 67.762 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF061288.D
 Acq: 8 Jan 2019 15:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tot Ion:180 Resp: 226571
 Ion Ratio Lower Upper
 180 100
 182 99.2 47.0 141.2
 145 43.5 19.7 59.1

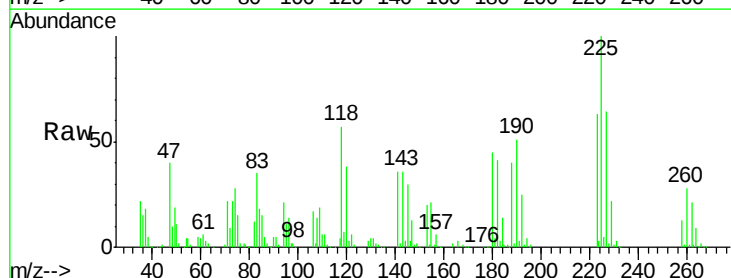


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

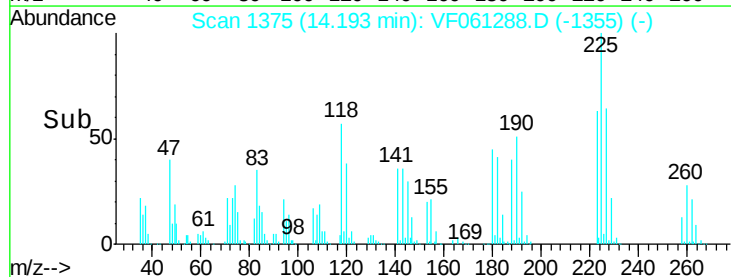
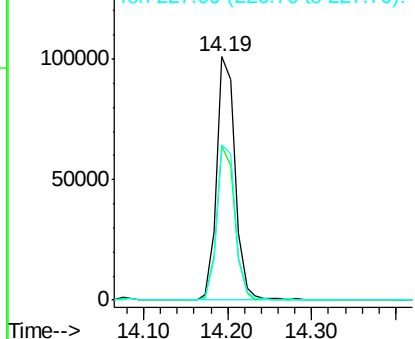


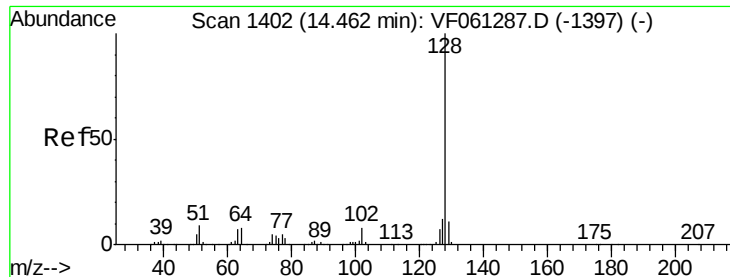
#94
 Hexachlorobutadiene
 Concen: 72.636 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF061288.D
 Acq: 8 Jan 2019 15:59

Tgt Ion:225 Resp: 154739
 Ion Ratio Lower Upper
 225 100
 223 63.5 31.8 95.4
 227 63.7 31.3 93.9



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

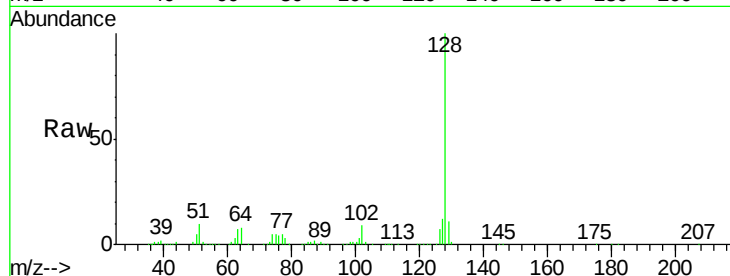




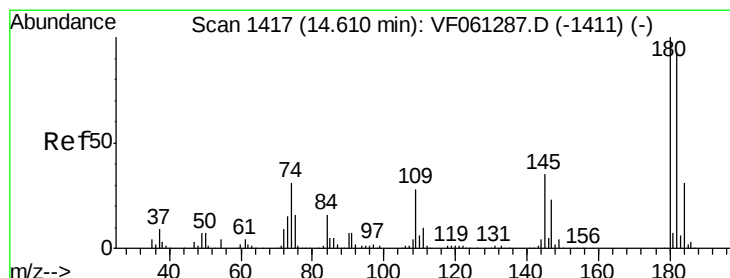
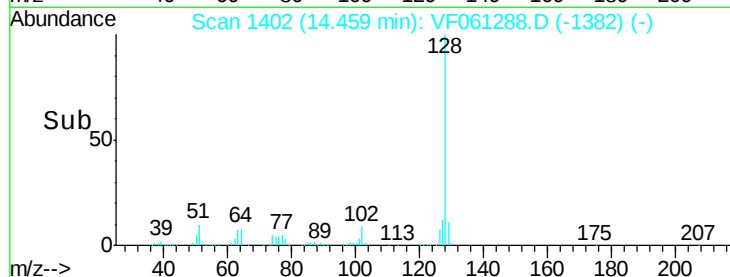
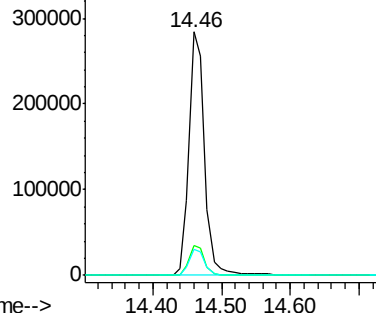
#95
Naphthalene
Concen: 71.824 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tot Ion:128 Resp: 448894
Ion Ratio Lower Upper
128 100
127 12.4 9.4 14.0
129 10.9 8.8 13.2

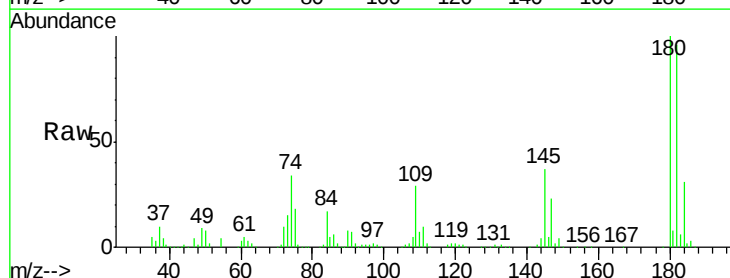


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 69.115 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF061288.D
Acq: 8 Jan 2019 15:59

Tgt Ion:180 Resp: 214270
Ion Ratio Lower Upper
180 100
182 96.2 46.5 139.3
145 37.4 17.5 52.6



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

