

Data File : VF061296.D
Acq On : 9 Jan 2019 12:50
Operator : VA/AP
Sample : VF0109SBSD01
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBSD01

Quant Time: Jan 10 05:51:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F010819S.M
Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.89	168	195005	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.62	114	351798	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.79	117	305370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	150948	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.87	65	120863	55.68	ug/l	0.01
Spiked Amount	50.000		Recovery	=	111.36%	
35) Dibromofluoromethane	4.14	113	147267	54.71	ug/l	0.02
Spiked Amount	50.000		Recovery	=	109.42%	
50) Toluene-d8	7.57	98	426048	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
62) 4-Bromofluorobenzene	11.43	95	180657	51.94	ug/l	0.01
Spiked Amount	50.000		Recovery	=	103.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	84318	23.441	ug/l	99
3) Chloromethane	1.10	50	75427	23.531	ug/l	98
4) Vinyl Chloride	1.15	62	64020	22.362	ug/l	97
5) Bromomethane	1.32	94	38195	17.782	ug/l	92
6) Chloroethane	1.40	64	29327	20.978	ug/l	97
7) Trichlorofluoromethane	1.48	101	105800	21.800	ug/l	100
8) Diethyl Ether	1.63	74	14505	20.353	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	1.84	101	52947	20.661	ug/l	94
10) Methyl Iodide	1.86	142	27550	6.862	ug/l	98
11) Tert butyl alcohol	2.58	59	10243	117.866	ug/l #	91
12) 1,1-Dichloroethene	1.80	96	47385	23.124	ug/l	87
13) Acrolein	2.01	56	9329	84.706	ug/l	94
14) Allyl chloride	2.11	41	78550	20.971	ug/l	100
15) Acrylonitrile	2.95	53	32357	105.031	ug/l	91
16) Acetone	2.24	43	69492	137.631	ug/l	95
17) Carbon Disulfide	1.81	76	138717	20.495	ug/l #	94
18) Methyl Acetate	2.36	43	23204	23.358	ug/l #	93
19) Methyl tert-butyl Ether	2.44	73	84507	21.641	ug/l	100
20) Methylene Chloride	2.20	84	27488	12.868	ug/l	95
21) trans-1,2-Dichloroethene	2.32	96	44678	20.575	ug/l	95
22) Diisopropyl ether	2.82	45	165254	22.805	ug/l	96
23) Vinyl Acetate	3.20	43	290702	137.175	ug/l	100
24) 1,1-Dichloroethane	2.89	63	92611	22.094	ug/l	98
25) 2-Butanone	4.36	43	110065	135.438	ug/l	97
26) 2,2-Dichloropropane	3.62	77	54652	19.511	ug/l	95
27) cis-1,2-Dichloroethene	3.50	96	72729	23.989	ug/l	92
28) Bromochloromethane	3.73	49	42620	23.061	ug/l	99
29) Tetrahydrofuran	4.10	42	42525	125.155	ug/l	98
30) Chloroform	3.88	83	124158	23.333	ug/l	98
31) Cyclohexane	3.71	56	100837	22.930	ug/l	96
32) 1,1,1-Trichloroethane	4.12	97	90567	21.071	ug/l	97
36) 1,1-Dichloropropene	4.30	75	92291	22.465	ug/l	96
37) Ethyl Acetate	4.14	43	40301	26.939	ug/l #	54
38) Carbon Tetrachloride	4.02	117	77609	19.946	ug/l	88

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.47	83	109676	21.336	ug/l	97
40) Benzene	4.65	78	214320	22.346	ug/l	97
41) Methacrylonitrile	4.78	41	18747	22.440	ug/l #	86
42) 1,2-Dichloroethane	4.97	62	69079	23.134	ug/l	97
43) Isopropyl Acetate	6.98	43	43326	21.936	ug/l #	98
44) Trichloroethene	5.53	130	65852	23.461	ug/l	88
45) 1,2-Dichloropropane	6.26	63	56701	23.248	ug/l	94
46) Dibromomethane	6.11	93	32935	21.993	ug/l #	86
47) Bromodichloromethane	6.41	83	82475	22.145	ug/l #	99
48) Methyl methacrylate	6.73	41	30955	24.145	ug/l	97
49) 1,4-Dioxane	6.72	88	4448	549.851	ug/l	96
51) 4-Methyl-2-Pentanone	8.28	43	166706	111.822	ug/l	99
52) Toluene	7.64	92	136656	22.167	ug/l	98
53) t-1,3-Dichloropropene	8.30	75	65498	22.394	ug/l	97
54) cis-1,3-Dichloropropene	7.32	75	84584	21.811	ug/l	100
55) 1,1,2-Trichloroethane	8.52	97	36676	21.260	ug/l	93
56) Ethyl methacrylate	8.64	69	44298	22.976	ug/l	94
57) 1,3-Dichloropropane	8.87	76	69513	22.769	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.31	63	10046	122.271	ug/l #	90
59) 2-Hexanone	9.51	43	127094	120.335	ug/l	98
60) Dibromochloromethane	8.74	129	49840	21.697	ug/l	94
61) 1,2-Dibromoethane	9.00	107	38106	21.670	ug/l	98
64) Tetrachloroethene	8.17	164	54203	24.379	ug/l	91
65) Chlorobenzene	9.82	112	142042	23.035	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.95	131	57495	22.850	ug/l	95
67) Ethyl Benzene	9.92	91	277021	23.300	ug/l	99
68) m/p-Xylenes	10.16	106	198993	47.981	ug/l	99
69) o-Xylene	10.73	106	110084	23.762	ug/l	88
70) Styrene	10.81	104	142979	23.167	ug/l	94
71) Bromoform	10.79	173	25290	24.594	ug/l #	87
73) Isopropylbenzene	11.14	105	312154	23.501	ug/l	97
74) N-amyl acetate	11.39	43	78551	26.016	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.70	83	49505	23.506	ug/l	98
76) 1,2,3-Trichloropropane	11.80	75	35585	23.038	ug/l	95
77) Bromobenzene	11.51	156	62102	23.501	ug/l	93
78) n-propylbenzene	11.61	91	391279	24.707	ug/l	99
79) 2-Chlorotoluene	11.73	91	205964	23.343	ug/l	100
80) 1,3,5-Trimethylbenzene	11.83	105	252153	23.858	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.88	75	21528	31.893	ug/l	94
82) 4-Chlorotoluene	11.91	91	213232	23.783	ug/l	96
83) tert-Butylbenzene	12.15	119	267081	25.364	ug/l	98
84) 1,2,4-Trimethylbenzene	12.22	105	246342	23.476	ug/l	95
85) sec-Butylbenzene	12.32	105	345792	23.063	ug/l	94
86) p-Isopropyltoluene	12.47	119	301059	24.687	ug/l	97
87) 1,3-Dichlorobenzene	12.48	146	125216	24.265	ug/l	99
88) 1,4-Dichlorobenzene	12.58	146	116930	23.569	ug/l	92
89) n-Butylbenzene	12.86	91	309280	24.683	ug/l	95
90) Hexachloroethane	12.93	117	70151	25.147	ug/l	94
91) 1,2-Dichlorobenzene	12.96	146	120782	24.521	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.66	75	8798	24.724	ug/l	82

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF010919\
Quantitation Report (Not Reviewed)

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Wed Jan 09 07:13:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	86356	25.477	ug/l	97
94) Hexachlorobutadiene	14.20	225	54556	25.002	ug/l	99
95) Naphthalene	14.47	128	148126	23.190	ug/l	97
96) 1,2,3-Trichlorobenzene	14.61	180	72846	22.815	ug/l	96

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

Data File : VF061296.D

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Operator : VA/AP

Sample : VF0109SBSD01

Misc : 5.00g/5mL/MSV0A-F/SOIL

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ALS Vial      : 5      Sample Multiplier: 1
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Instrument :
MSVOA_F
ClientSampleId :
VF0109SBSD01

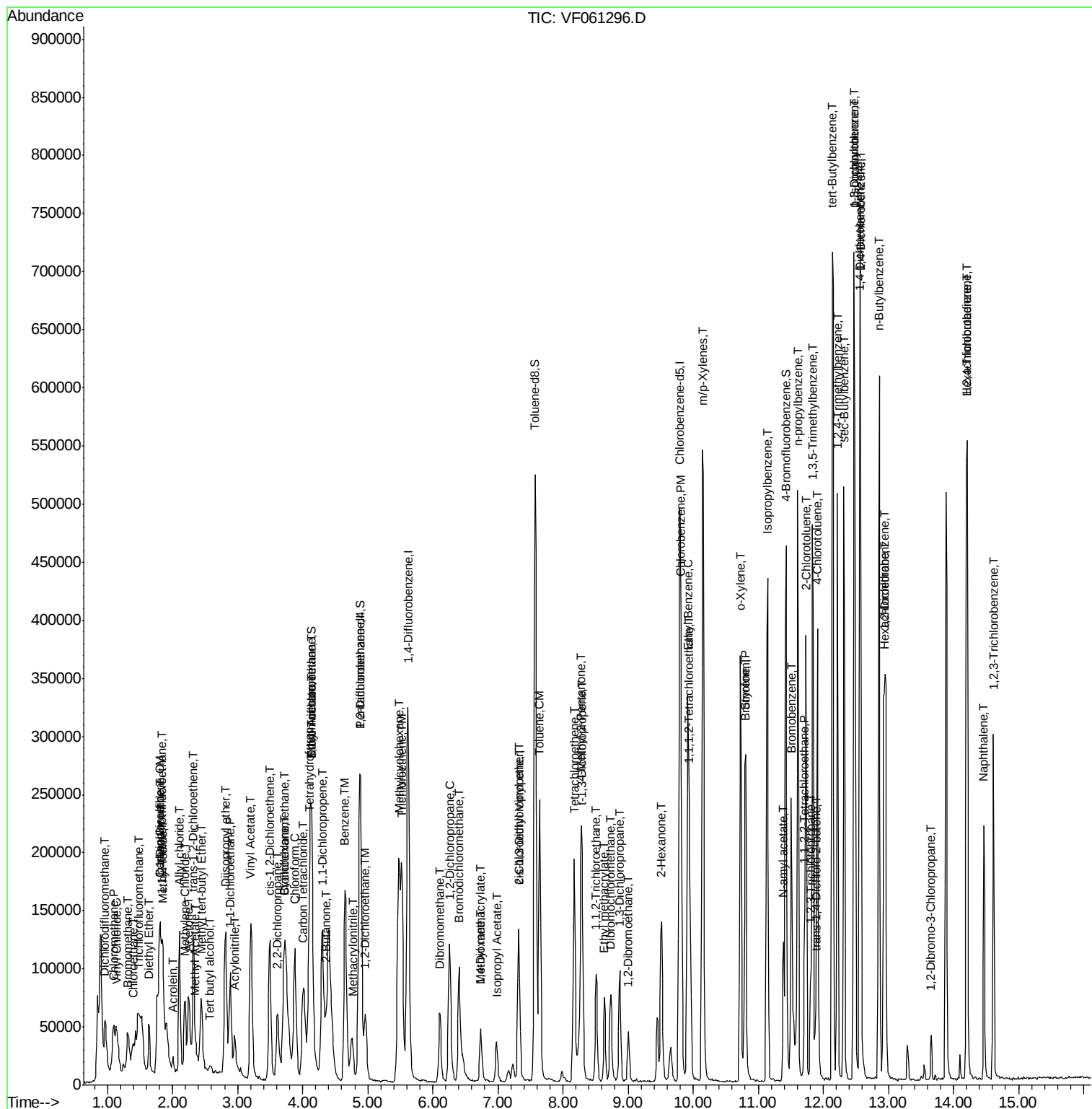
Quant Time: Jan 10 05:51:26 2019

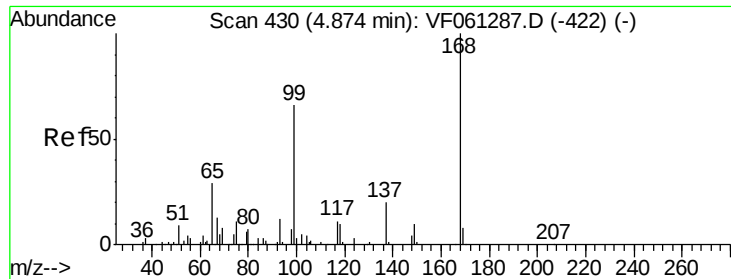
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Quant Title : SW846 8260

QLast Update : Wed Jan 09 07:13:51 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.89 min Scan# 432

Delta R.T. 0.01 min

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Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

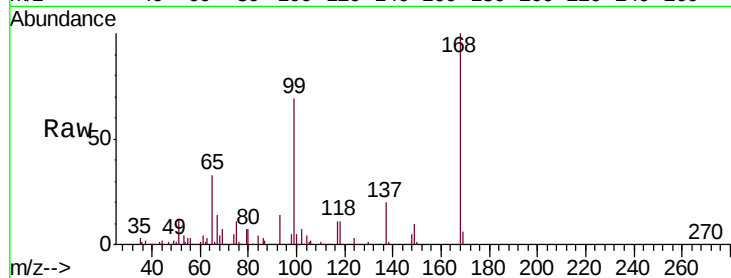
VF0109SBS01

Tgt Ion:168 Resp: 195005

Ion Ratio Lower Upper

168 100

99 69.4 52.7 79.1



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.89

60000

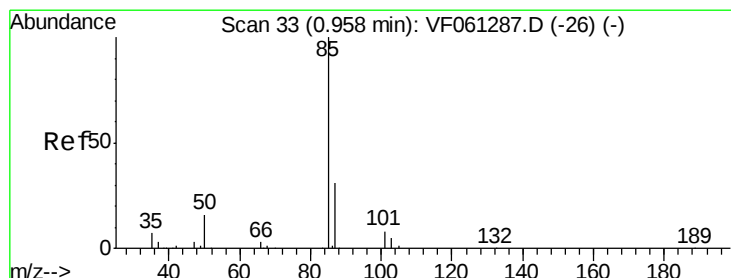
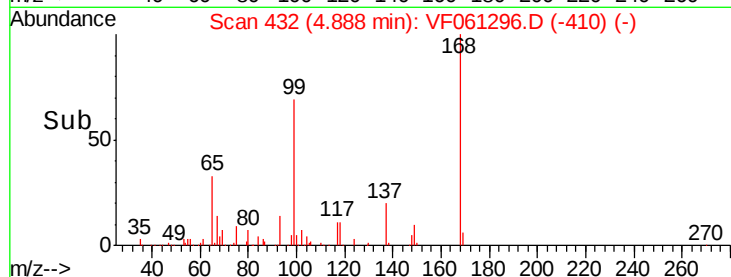
40000

20000

0

Time-->

4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 23.441 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF061296.D

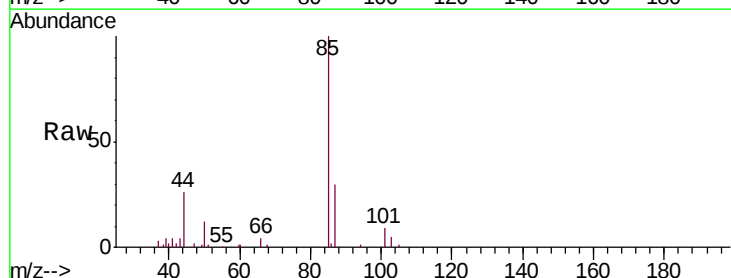
Acq: 9 Jan 2019 12:50

Tgt Ion: 85 Resp: 84318

Ion Ratio Lower Upper

85 100

87 30.2 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

30000

25000

20000

15000

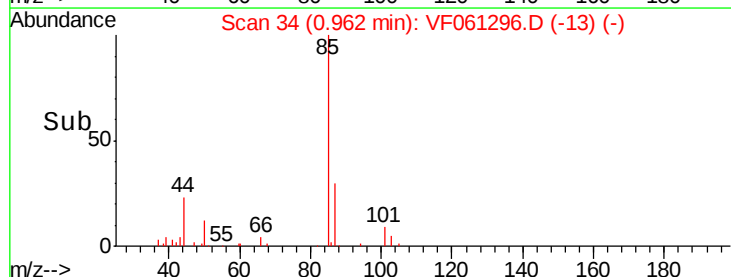
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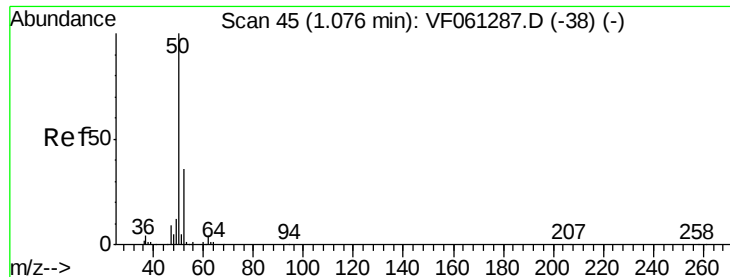
5000

0

Time-->

0.80 0.90 1.00 1.10





#3

Chloromethane

Concen: 23.531 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.02 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

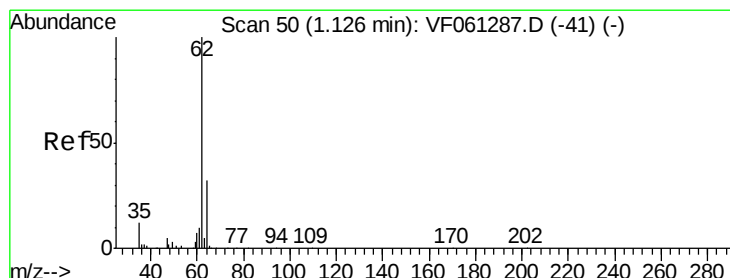
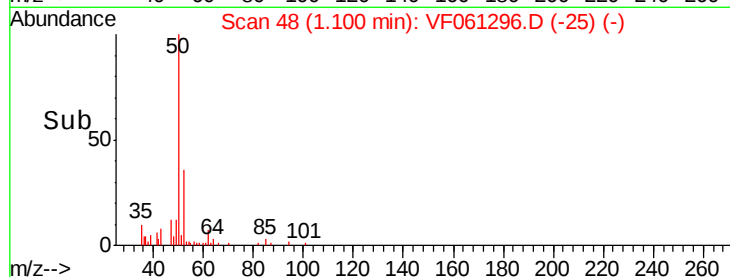
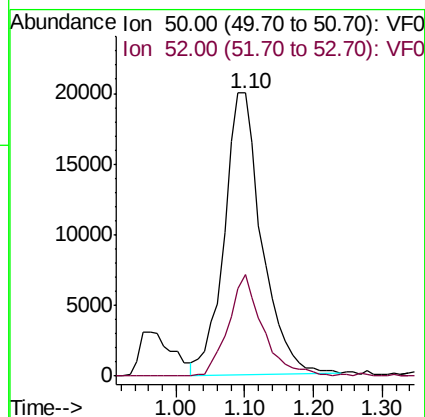
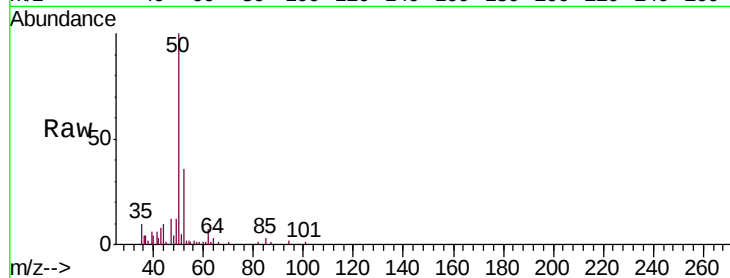
VF0109SBSD01

Tgt Ion: 50 Resp: 75427

Ion Ratio Lower Upper

50 100

52 36.1 28.2 42.2



#4

Vinyl Chloride

Concen: 22.362 ug/l

RT: 1.15 min Scan# 53

Delta R.T. 0.02 min

Lab File: VF061296.D

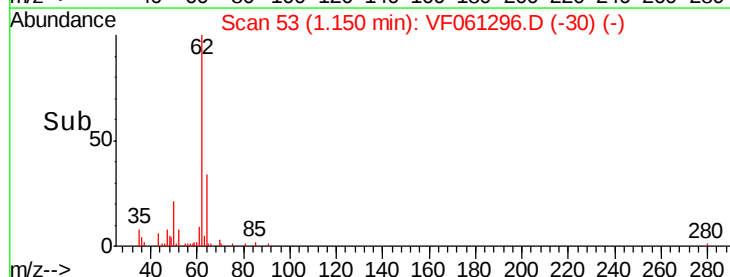
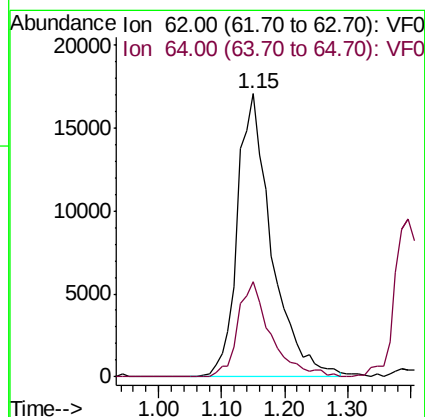
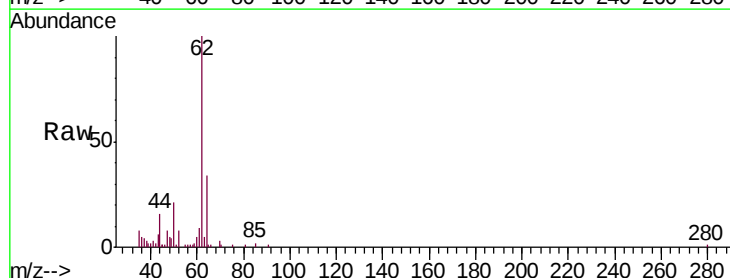
Acq: 9 Jan 2019 12:50

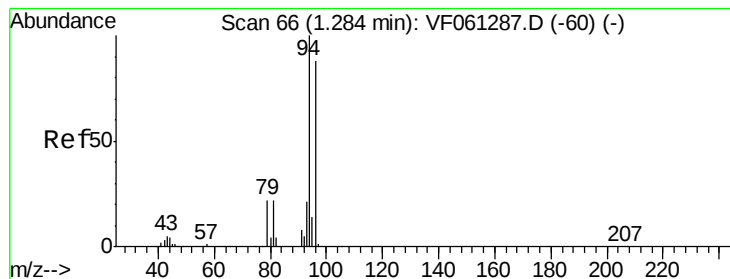
Tgt Ion: 62 Resp: 64020

Ion Ratio Lower Upper

62 100

64 33.6 25.4 38.0





#5

Bromomethane

Concen: 17.782 ug/l

RT: 1.32 min Scan# 70

Delta R.T. 0.03 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

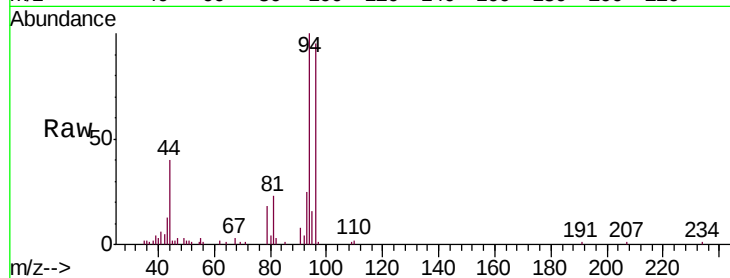
VF0109SBS01

Tgt Ion: 94 Resp: 38195

Ion Ratio Lower Upper

94 100

96 94.8 70.2 105.4



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

12000

10000

8000

6000

4000

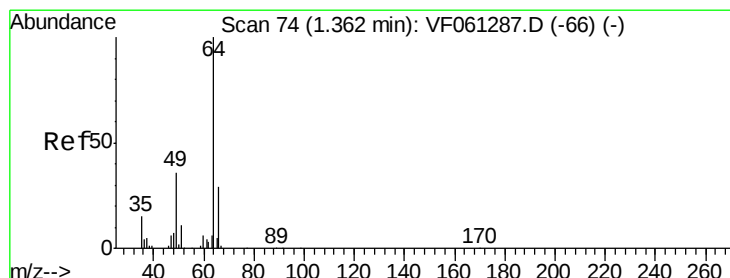
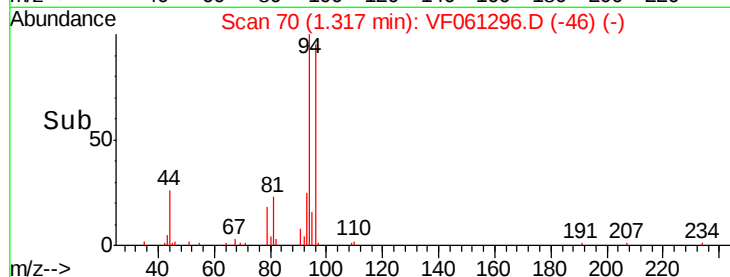
2000

0

Time-->

1.20 1.30 1.40 1.50

1.32



#6

Chloroethane

Concen: 20.978 ug/l

RT: 1.40 min Scan# 78

Delta R.T. 0.03 min

Lab File: VF061296.D

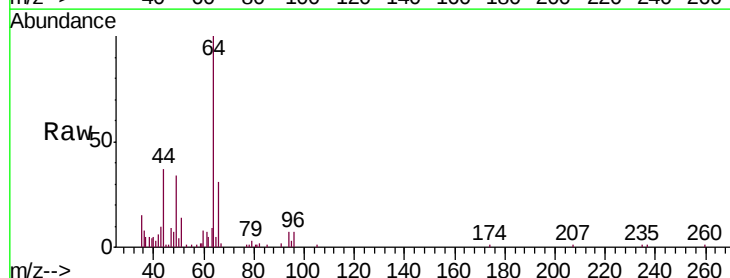
Acq: 9 Jan 2019 12:50

Tgt Ion: 64 Resp: 29327

Ion Ratio Lower Upper

64 100

66 31.0 23.4 35.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

10000

8000

6000

4000

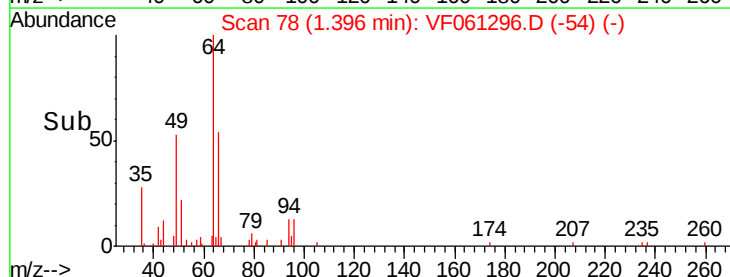
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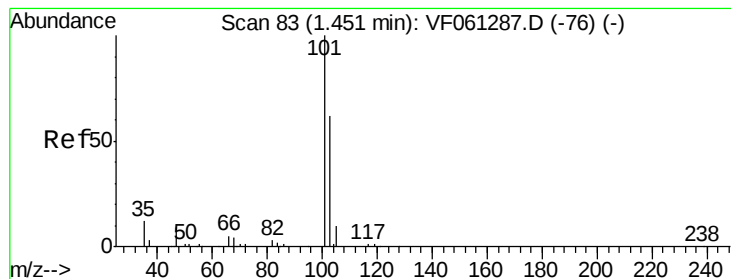
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Time-->

1.20 1.30 1.40 1.50 1.60

1.40





#7

Trichlorofluoromethane

Concen: 21.800 ug/l

RT: 1.48 min Scan# 86

Delta R.T. 0.02 min

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ClientSampleId :

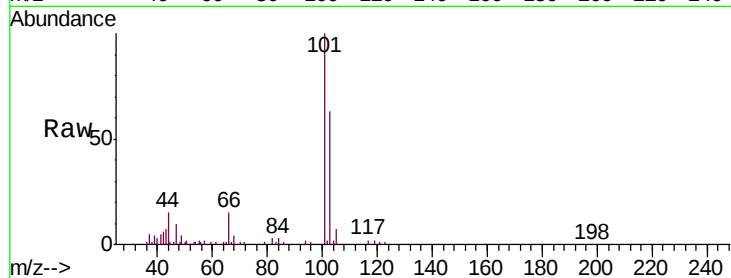
VF0109SBSD01

Tgt Ion:101 Resp: 105800

Ion Ratio Lower Upper

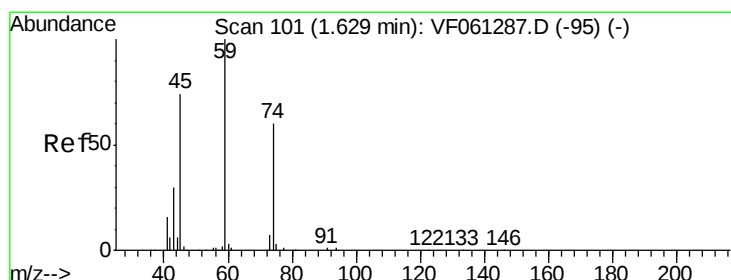
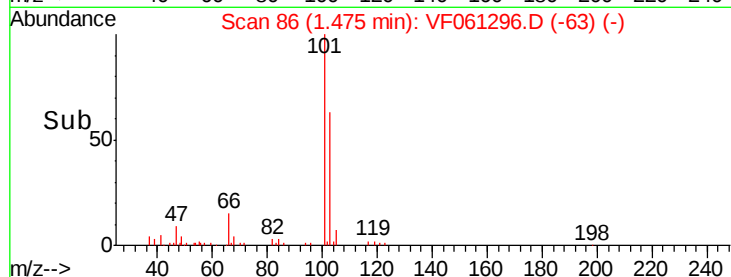
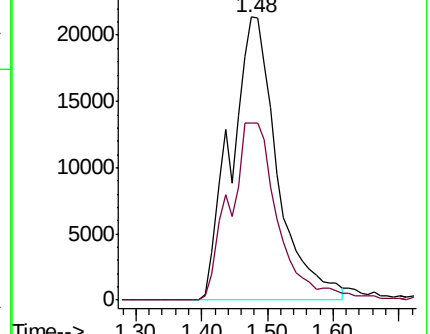
101 100

103 62.6 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: 20.353 ug/l

RT: 1.63 min Scan# 102

Delta R.T. 0.00 min

Lab File: VF061296.D

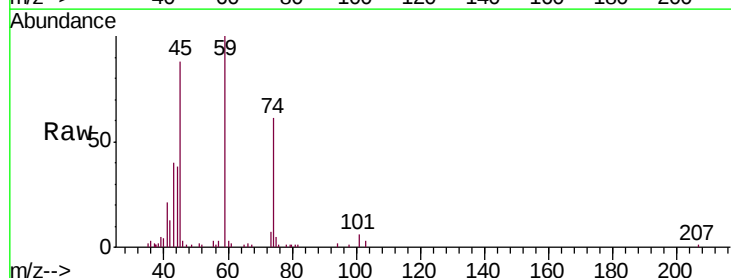
Acq: 9 Jan 2019 12:50

Tgt Ion: 74 Resp: 14505

Ion Ratio Lower Upper

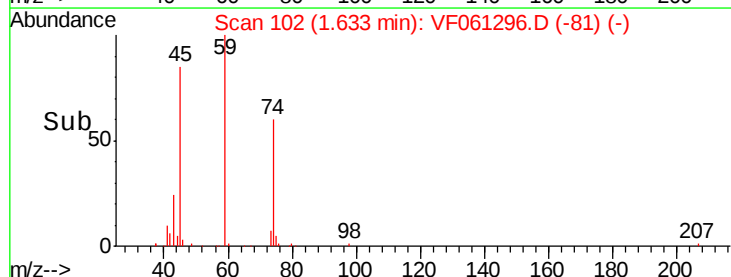
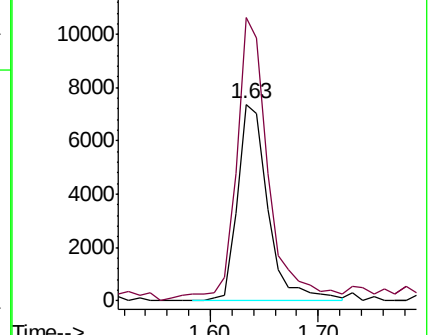
74 100

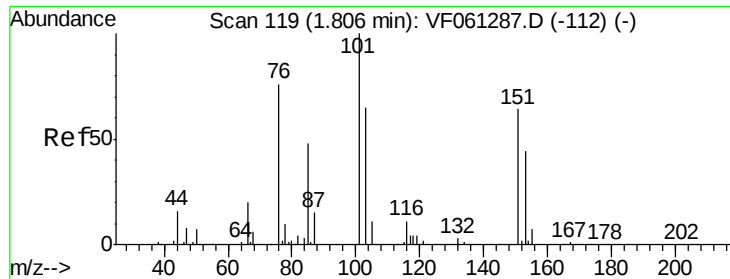
45 144.1 62.1 186.3



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: 20.661 ug/l

RT: 1.84 min Scan# 123

Delta R.T. 0.03 min

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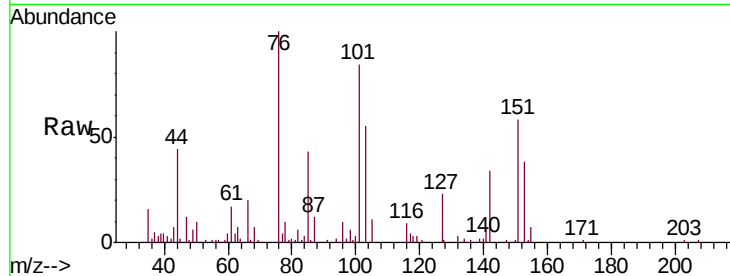
Tgt Ion:101 Resp: 52947

Ion Ratio Lower Upper

101 100

85 51.7 38.4 57.6

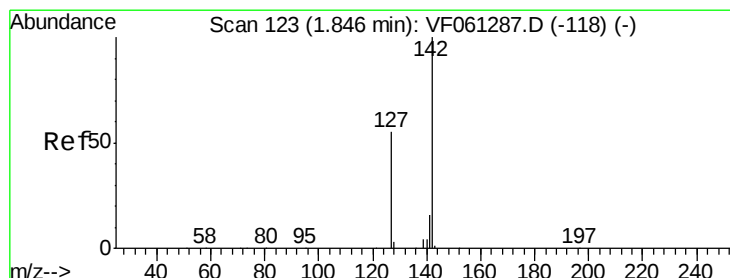
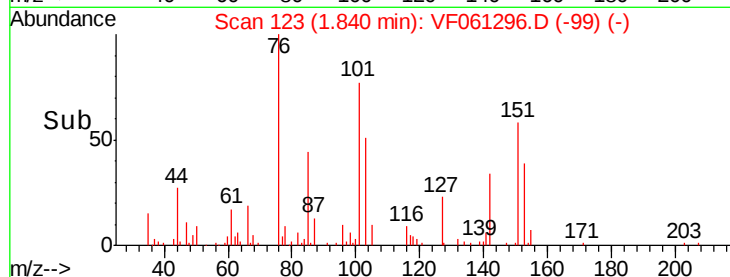
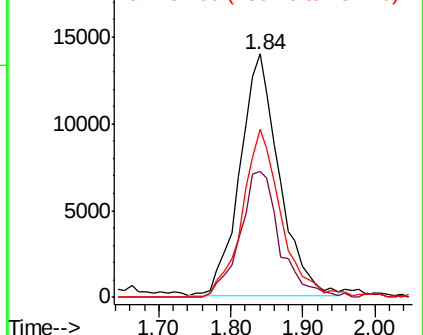
151 69.1 51.4 77.2



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: 6.862 ug/l

RT: 1.86 min Scan# 125

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

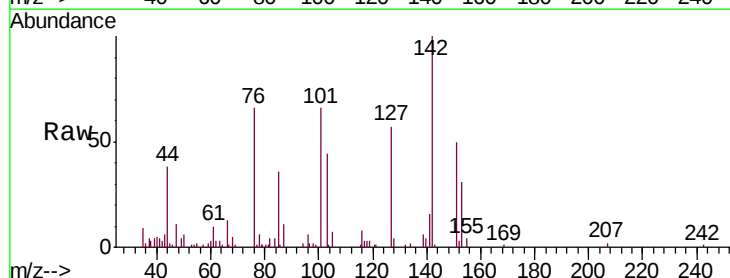
Tgt Ion:142 Resp: 27550

Ion Ratio Lower Upper

142 100

127 57.2 44.3 66.5

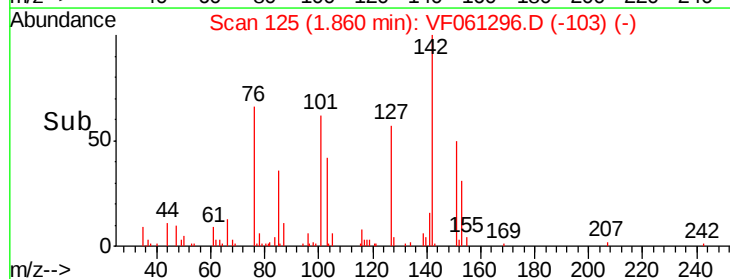
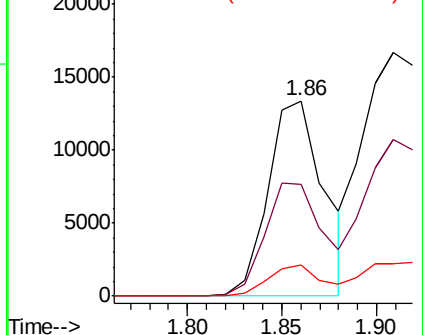
141 15.9 13.2 19.8

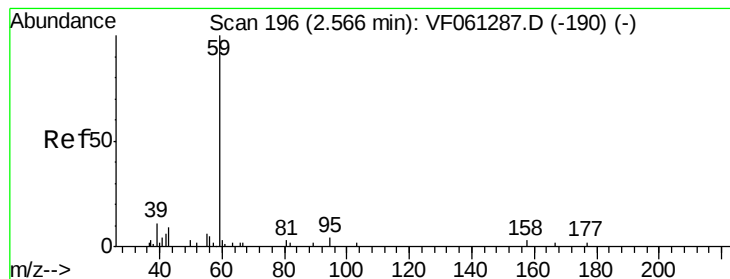


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



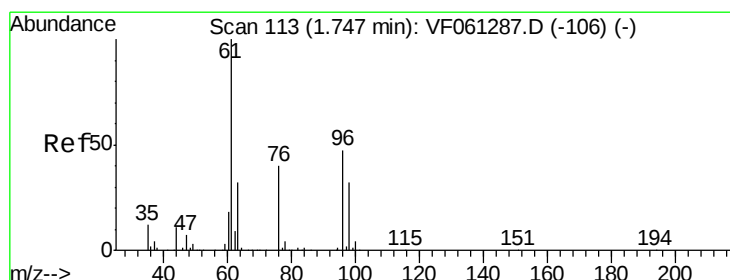
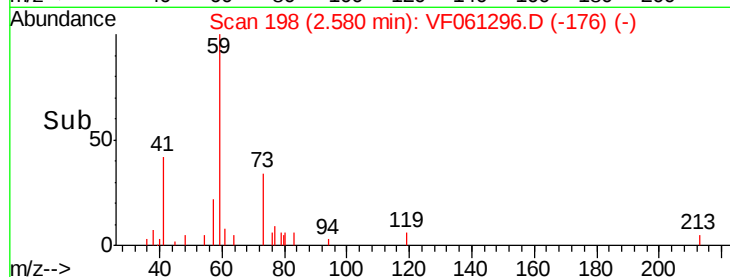
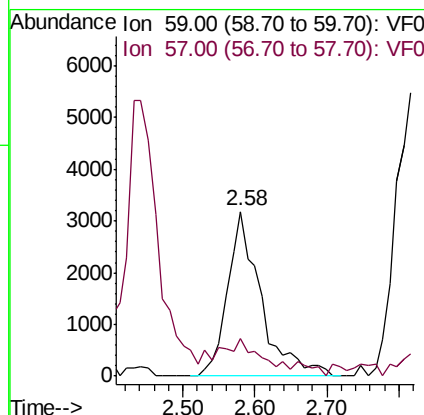
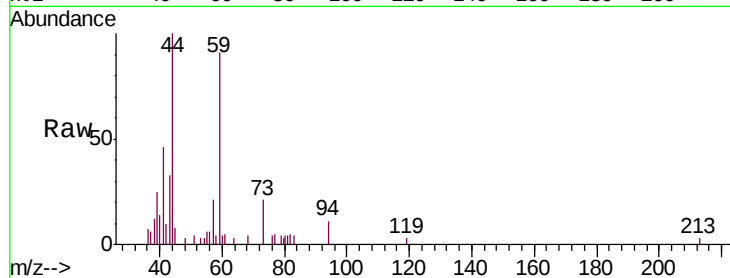


#11

Tert butyl alcohol
 Concen: 117.866 ug/l
 RT: 2.58 min Scan# 198
 Delta R.T. 0.01 min
 Lab File: VF061296.D
 Acq: 9 Jan 2019 12:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0109SBS01

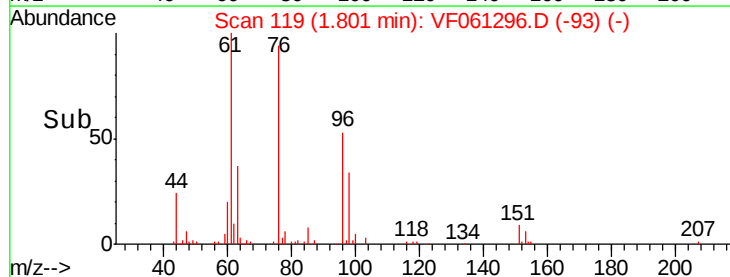
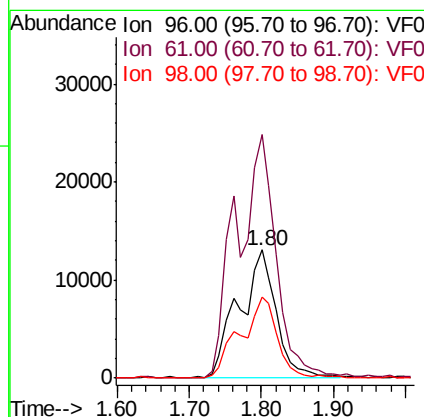
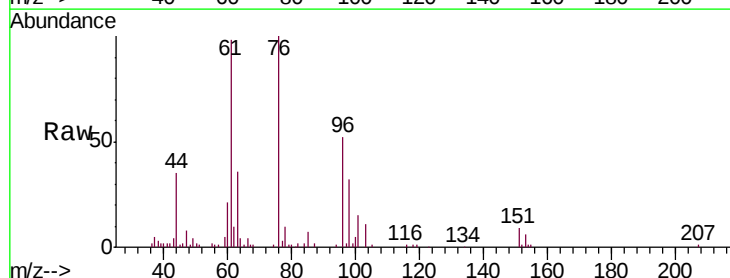
Tgt Ion: 59 Resp: 10243
 Ion Ratio Lower Upper
 59 100
 57 22.7 15.1 22.7#

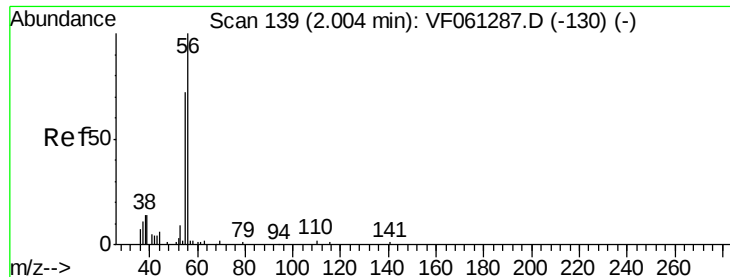


#12

1,1-Dichloroethene
 Concen: 23.124 ug/l
 RT: 1.80 min Scan# 119
 Delta R.T. 0.05 min
 Lab File: VF061296.D
 Acq: 9 Jan 2019 12:50

Tgt Ion: 96 Resp: 47385
 Ion Ratio Lower Upper
 96 100
 61 189.8 171.8 257.8
 98 62.8 54.2 81.4





#13

Acrolein

Concen: 84.706 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

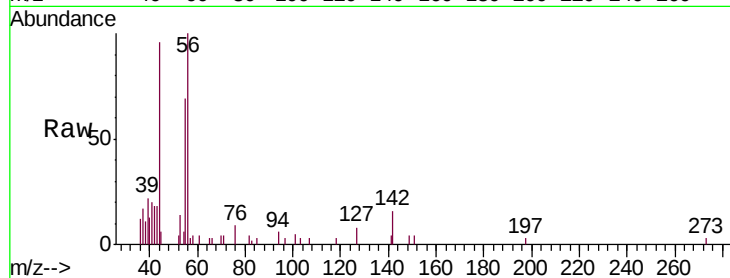
VF0109SBSD01

Tgt Ion: 56 Resp: 9329

Ion Ratio Lower Upper

56 100

55 69.4 59.4 89.0



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.01

5000

4000

3000

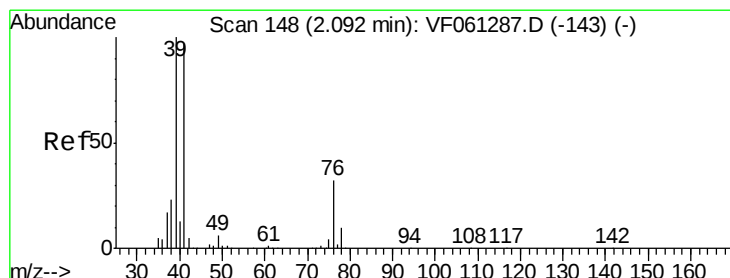
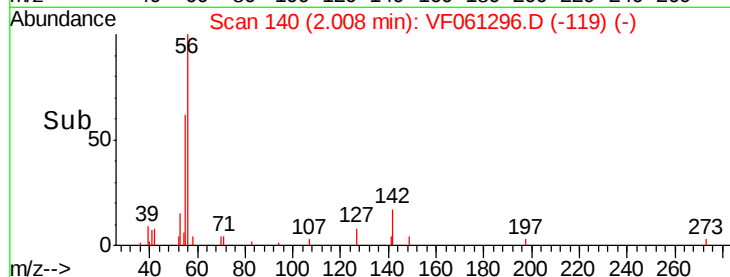
2000

1000

0

1.90 1.95 2.00 2.05 2.10

Time-->



#14

Allyl chloride

Concen: 20.971 ug/l

RT: 2.11 min Scan# 150

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

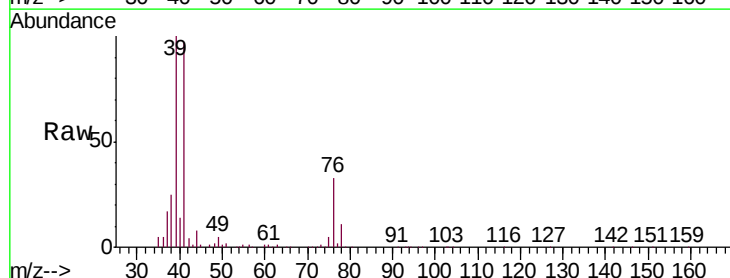
Tgt Ion: 41 Resp: 78550

Ion Ratio Lower Upper

41 100

39 102.9 82.6 123.8

76 33.7 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

2.11

50000

40000

30000

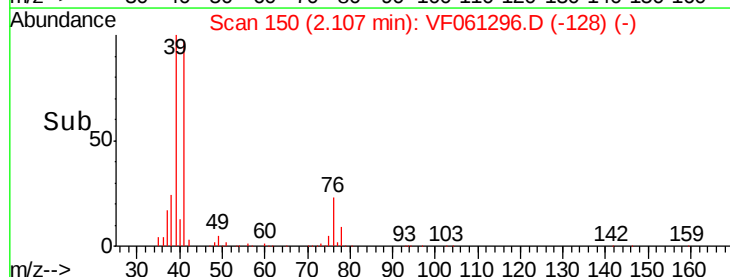
20000

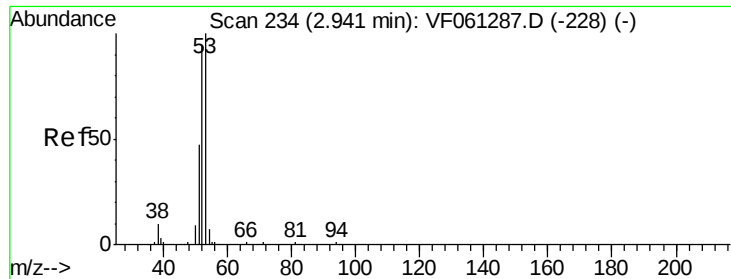
10000

0

2.00 2.10 2.20

Time-->





#15

Acrylonitrile

Concen: 105.031 ug/l

RT: 2.95 min Scan# 236

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBSD01

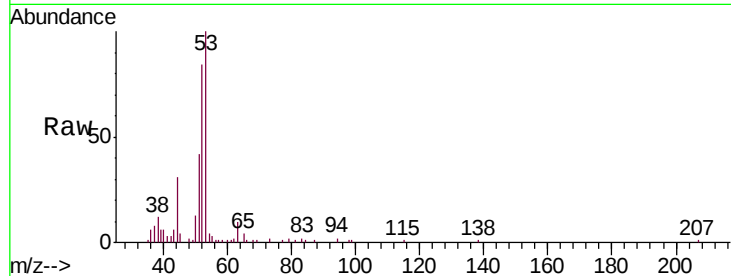
Tgt Ion: 53 Resp: 32357

Ion Ratio Lower Upper

53 100

52 83.5 74.6 111.8

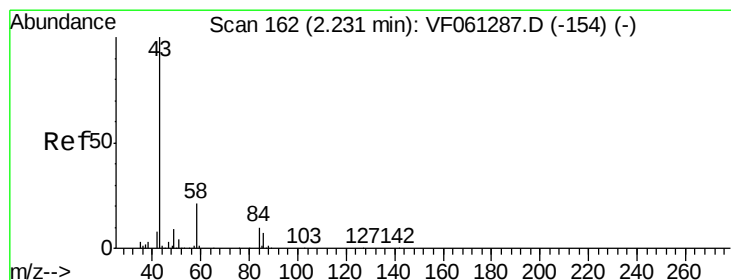
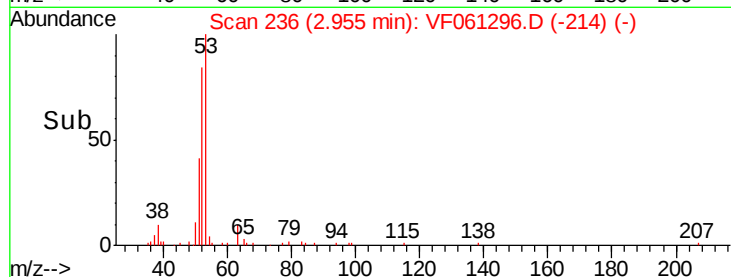
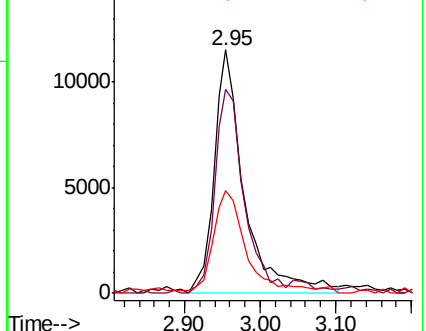
51 42.0 37.8 56.6



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 137.631 ug/l

RT: 2.24 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF061296.D

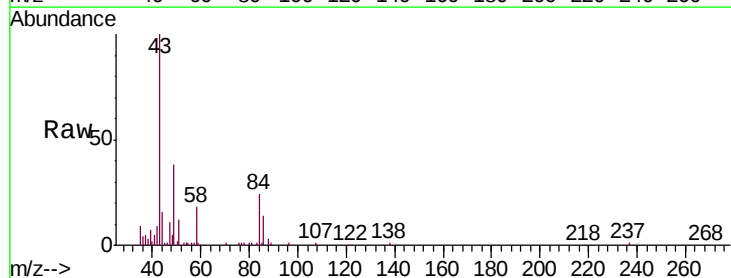
Acq: 9 Jan 2019 12:50

Tgt Ion: 43 Resp: 69492

Ion Ratio Lower Upper

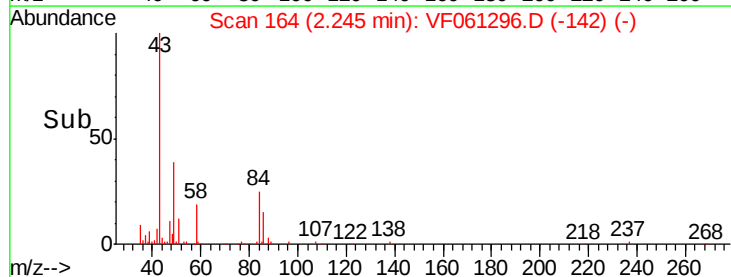
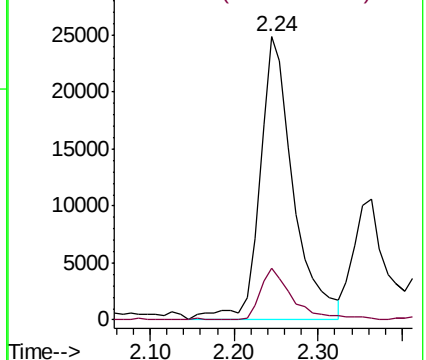
43 100

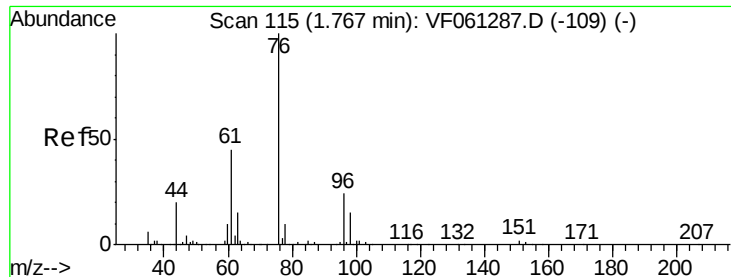
58 18.4 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

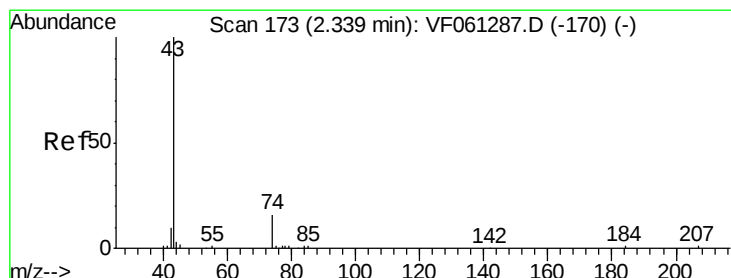
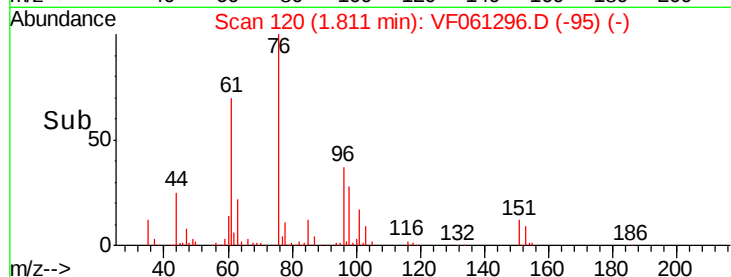
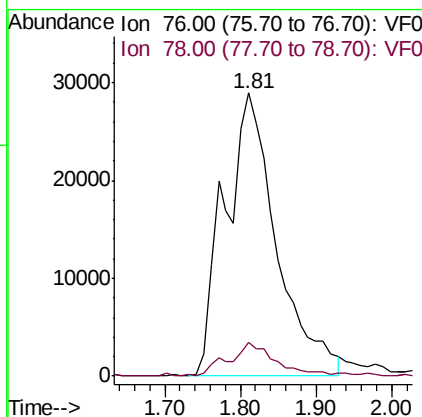
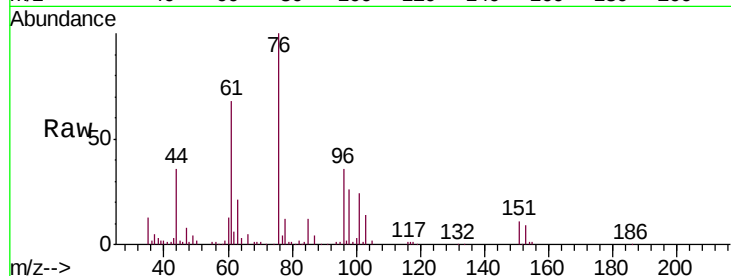




#17
Carbon Disulfide
Concen: 20.495 ug/l
RT: 1.81 min Scan# 120
Delta R.T. 0.04 min
Lab File: VF061296.D
Acq: 9 Jan 2019 12:50

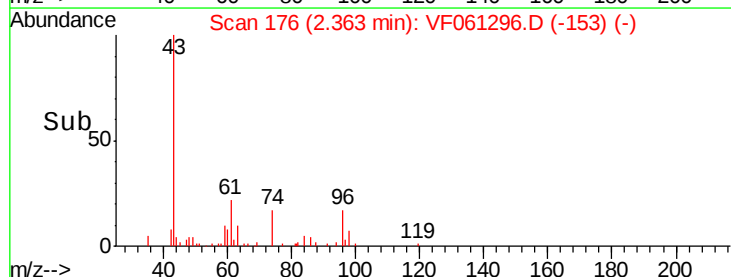
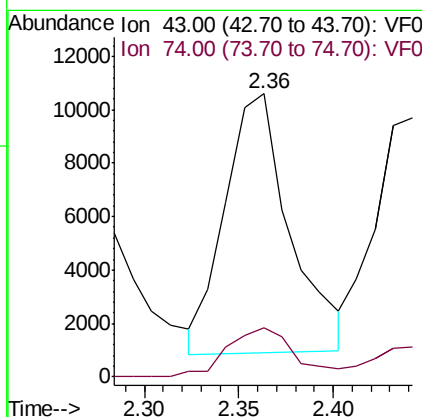
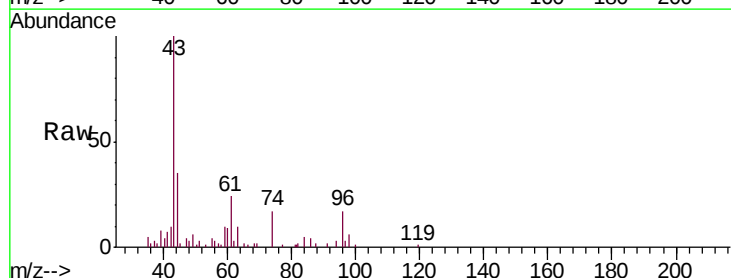
Instrument :
MSVOA_F
ClientSampleId :
VF0109SBSD01

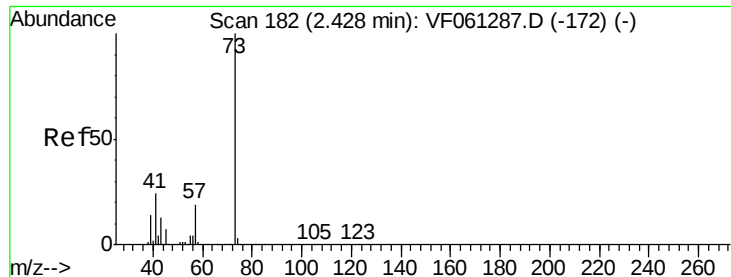
Tgt Ion: 76 Resp: 138717
Ion Ratio Lower Upper
76 100
78 12.0 7.8 11.6#



#18
Methyl Acetate
Concen: 23.358 ug/l
RT: 2.36 min Scan# 176
Delta R.T. 0.02 min
Lab File: VF061296.D
Acq: 9 Jan 2019 12:50

Tgt Ion: 43 Resp: 23204
Ion Ratio Lower Upper
43 100
74 17.4 11.6 17.4#





#19

Methyl tert-butyl Ether

Concen: 21.641 ug/l

RT: 2.44 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

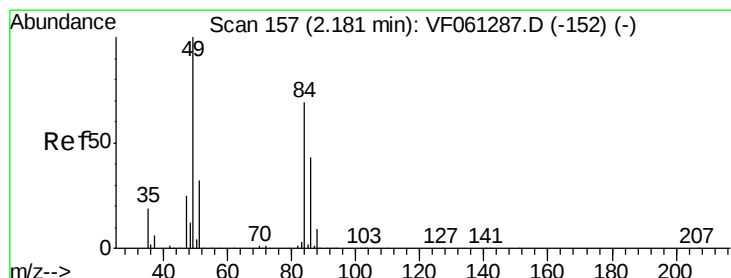
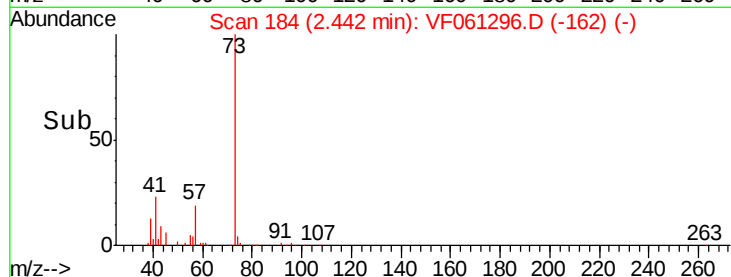
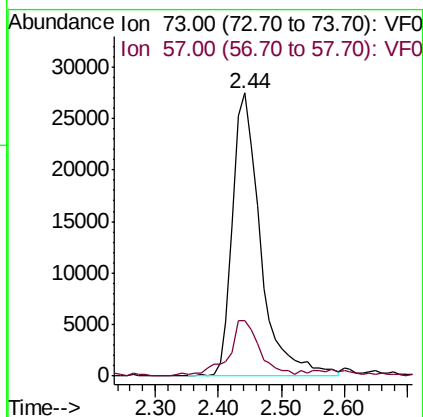
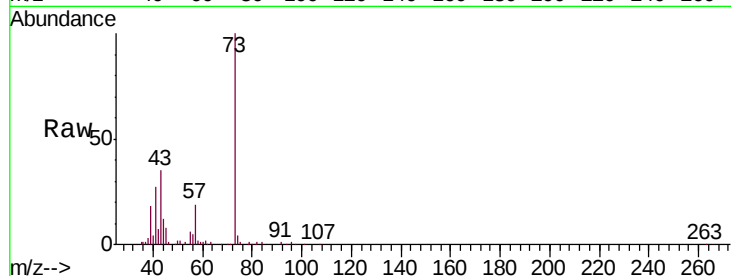
VF0109SBSD01

Tgt Ion: 73 Resp: 84507

Ion Ratio Lower Upper

73 100

57 19.4 15.5 23.3



#20

Methylene Chloride

Concen: 12.868 ug/l

RT: 2.20 min Scan# 159

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Tgt Ion: 84 Resp: 27488

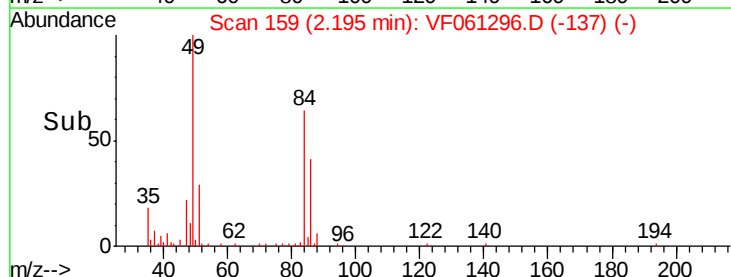
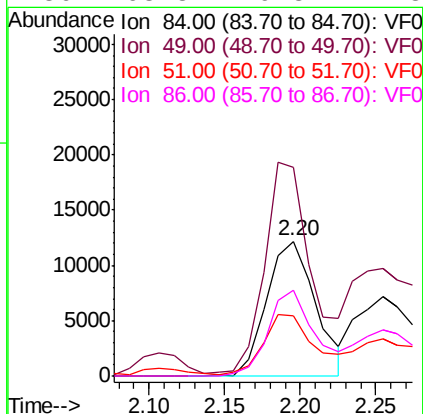
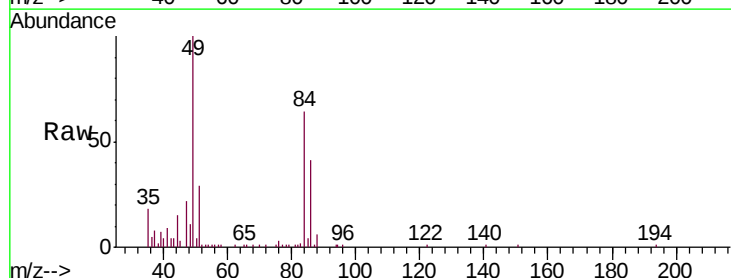
Ion Ratio Lower Upper

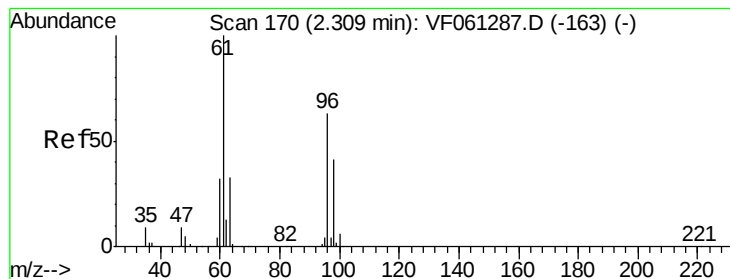
84 100

49 155.2 116.6 175.0

51 45.1 37.7 56.5

86 63.8 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 20.575 ug/l

RT: 2.32 min Scan# 172

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBSD01

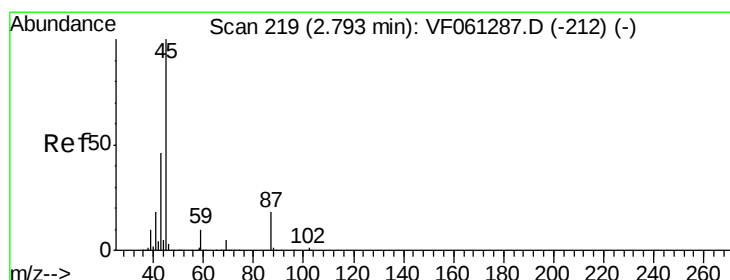
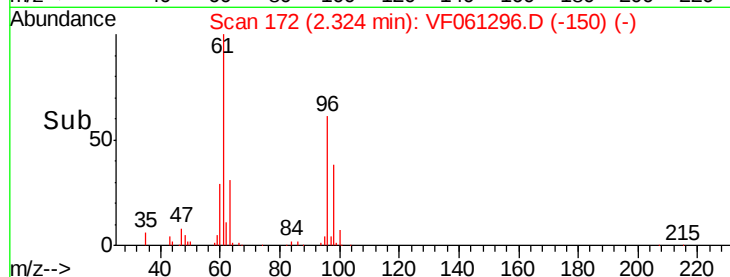
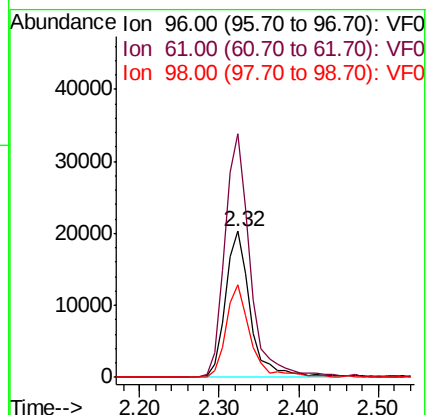
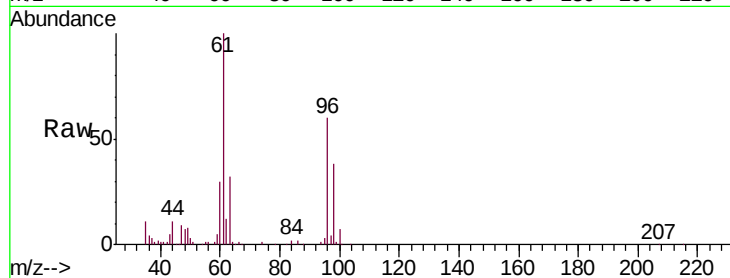
Tgt Ion: 96 Resp: 44678

Ion Ratio Lower Upper

96 100

61 166.9 127.0 190.4

98 63.1 51.7 77.5



#22

Diisopropyl ether

Concen: 22.805 ug/l

RT: 2.82 min Scan# 222

Delta R.T. 0.02 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Tgt Ion: 45 Resp: 165254

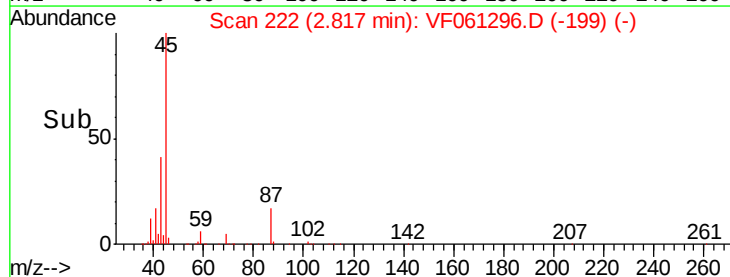
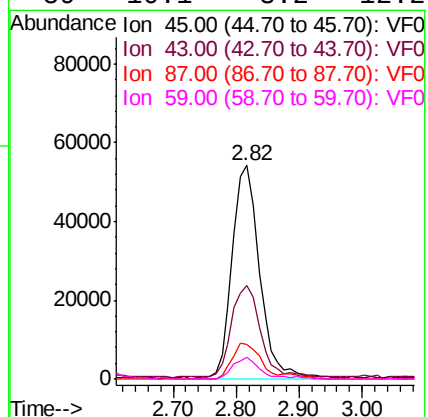
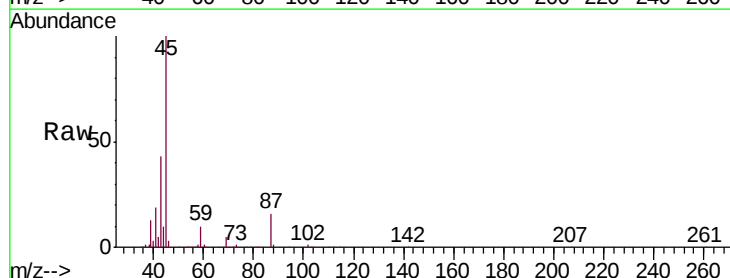
Ion Ratio Lower Upper

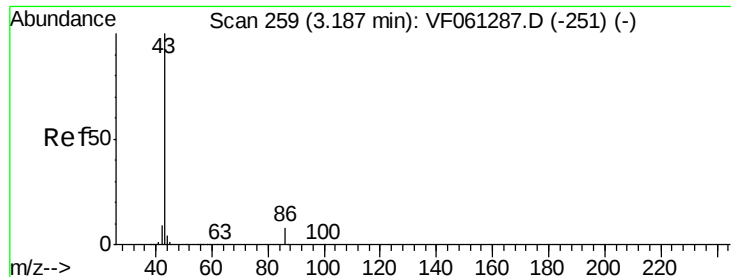
45 100

43 43.5 37.4 56.2

87 16.5 14.2 21.2

59 10.1 8.2 12.2

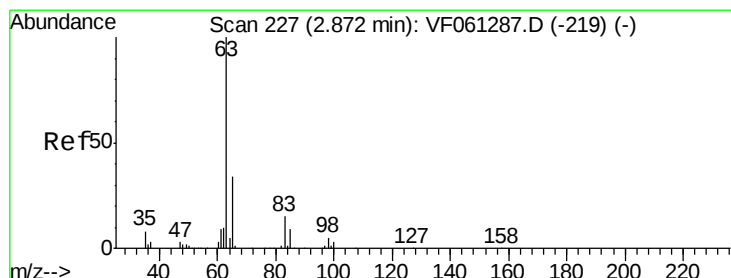
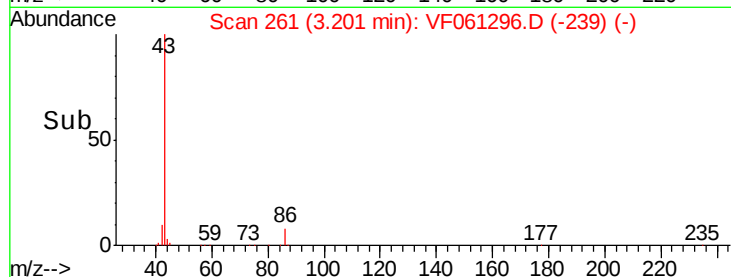
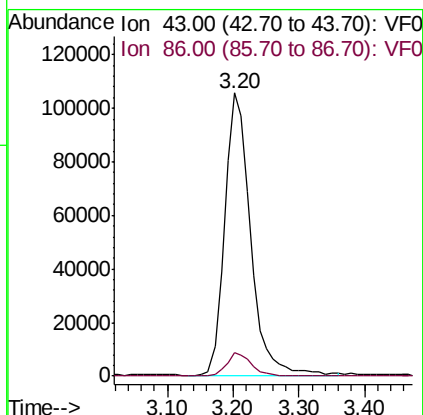
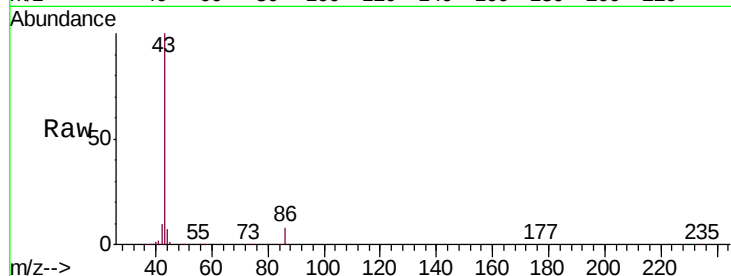




#23
 Vinyl Acetate
 Concen: 137.175 ug/l
 RT: 3.20 min Scan# 261
 Delta R.T. 0.01 min
 Lab File: VF061296.D
 Acq: 9 Jan 2019 12:50

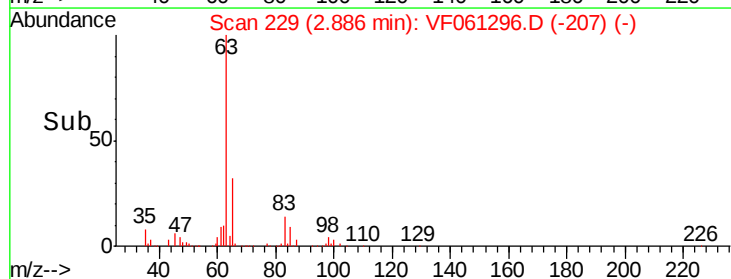
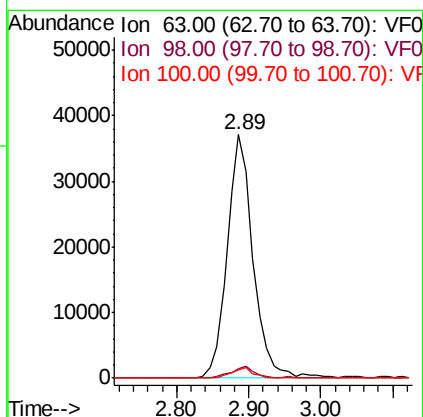
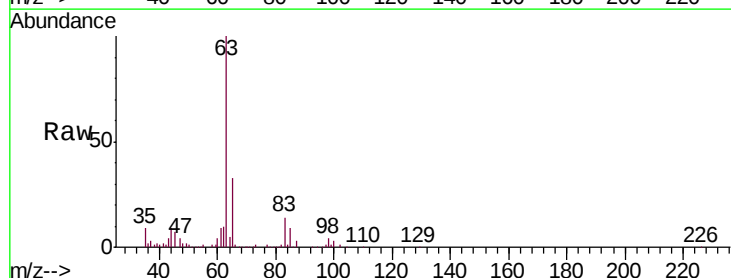
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0109SBS01

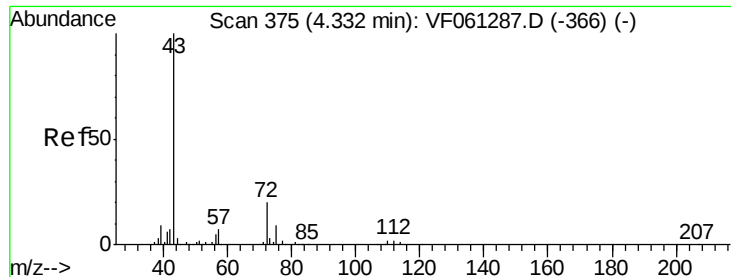
Tgt Ion: 43 Resp: 290702
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.5 9.7



#24
 1,1-Dichloroethane
 Concen: 22.094 ug/l
 RT: 2.89 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VF061296.D
 Acq: 9 Jan 2019 12:50

Tgt Ion: 63 Resp: 92611
 Ion Ratio Lower Upper
 63 100
 98 3.9 2.5 7.6
 100 3.4 1.7 5.0





#25

2-Butanone

Concen: 135.438 ug/l

RT: 4.36 min Scan# 378

Delta R.T. 0.02 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

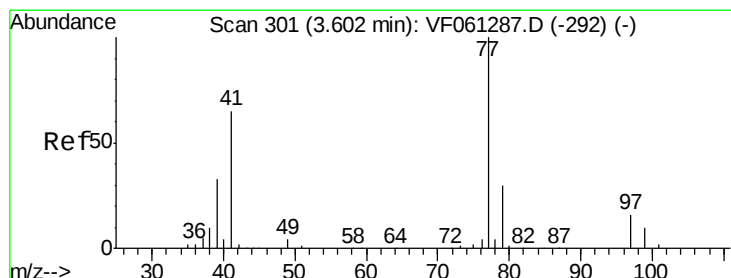
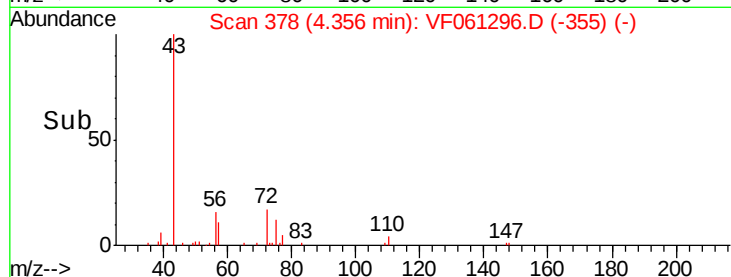
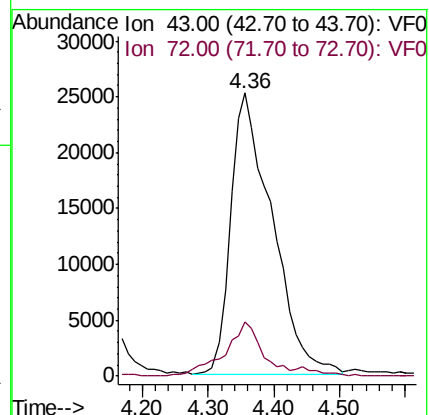
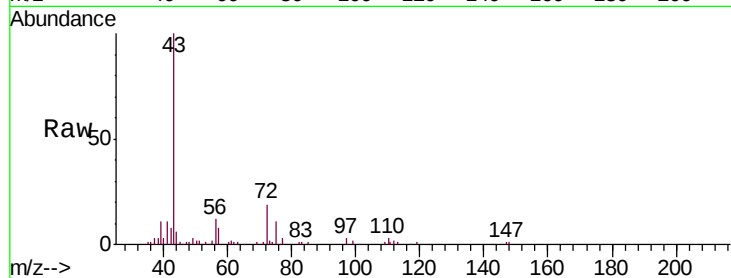
VF0109SBSD01

Tgt Ion: 43 Resp: 110065

Ion Ratio Lower Upper

43 100

72 19.0 16.5 24.7



#26

2,2-Dichloropropane

Concen: 19.511 ug/l

RT: 3.62 min Scan# 303

Delta R.T. 0.01 min

Lab File: VF061296.D

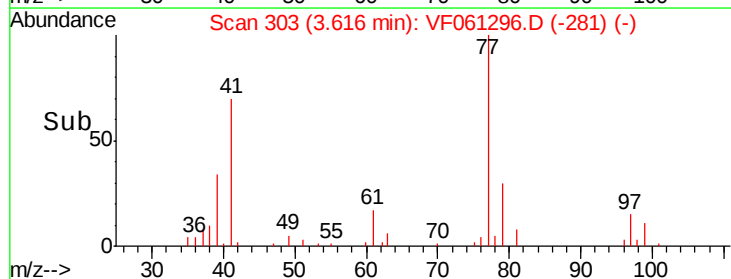
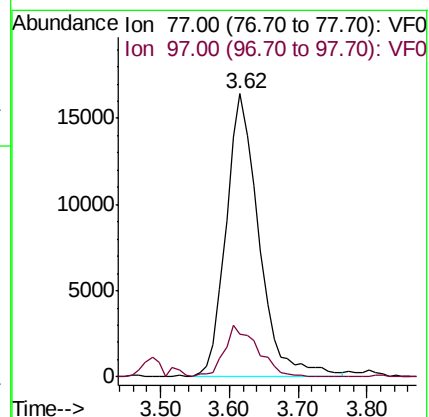
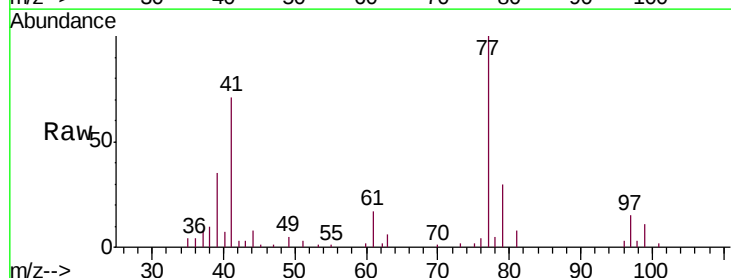
Acq: 9 Jan 2019 12:50

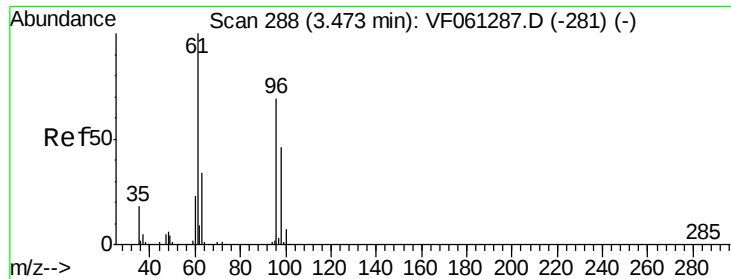
Tgt Ion: 77 Resp: 54652

Ion Ratio Lower Upper

77 100

97 15.1 8.6 25.9



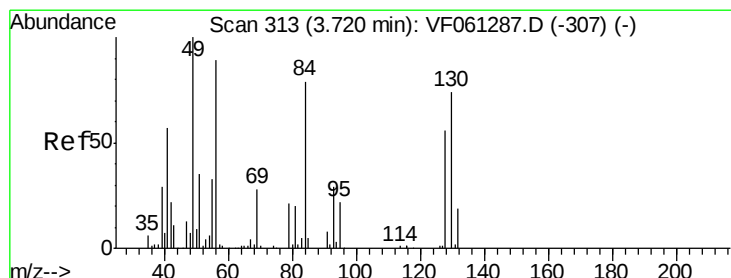
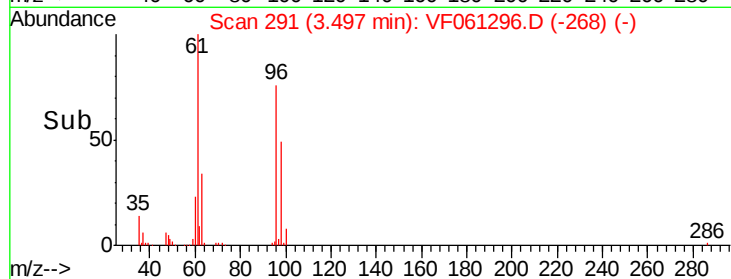
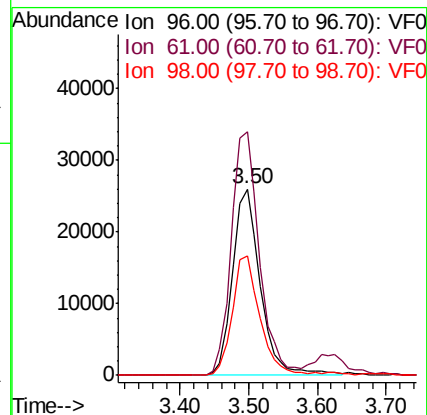
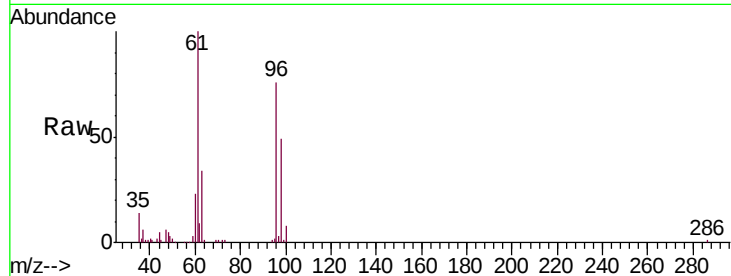


#27

cis-1,2-Dichloroethene
Concen: 23.989 ug/l
RT: 3.50 min Scan# 291
Delta R.T. 0.02 min
Lab File: VF061296.D
Acq: 9 Jan 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBSD01

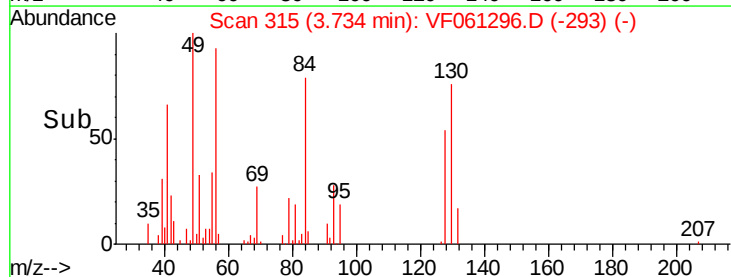
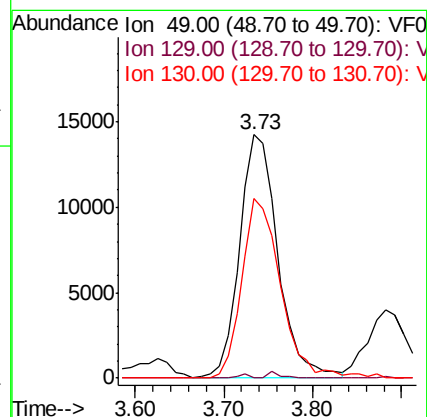
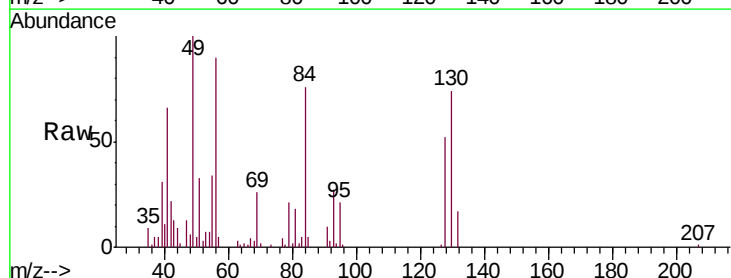
Tgt Ion: 96 Resp: 72729
Ion Ratio Lower Upper
96 100
61 130.8 0.0 288.2
98 64.1 0.0 132.2

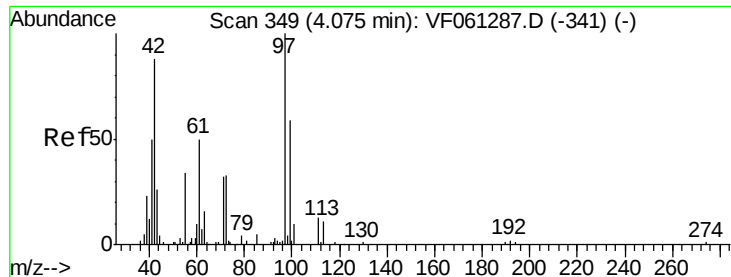


#28

Bromochloromethane
Concen: 23.061 ug/l
RT: 3.73 min Scan# 315
Delta R.T. 0.01 min
Lab File: VF061296.D
Acq: 9 Jan 2019 12:50

Tgt Ion: 49 Resp: 42620
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 73.8 58.6 88.0





#29

Tetrahydrofuran

Concen: 125.155 ug/l

RT: 4.10 min Scan# 352

Delta R.T. 0.02 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBS01

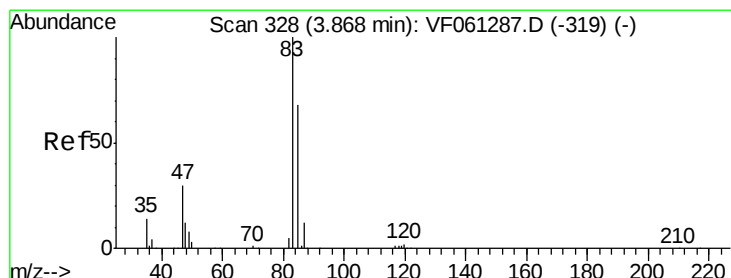
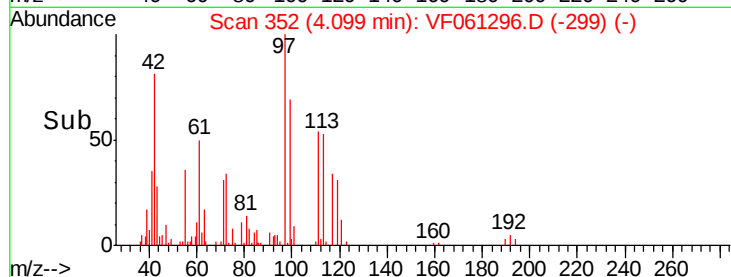
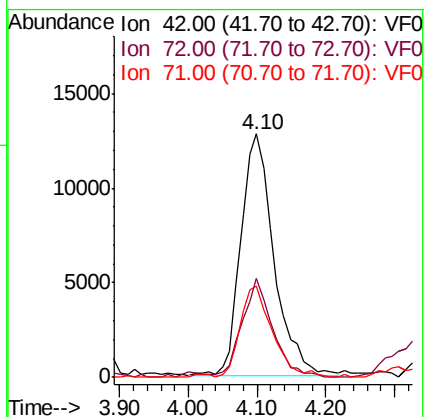
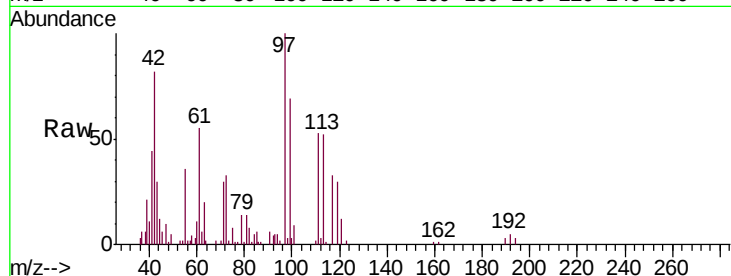
Tgt Ion: 42 Resp: 42525

Ion Ratio Lower Upper

42 100

72 37.9 32.3 48.5

71 36.7 29.5 44.3



#30

Chloroform

Concen: 23.333 ug/l

RT: 3.88 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF061296.D

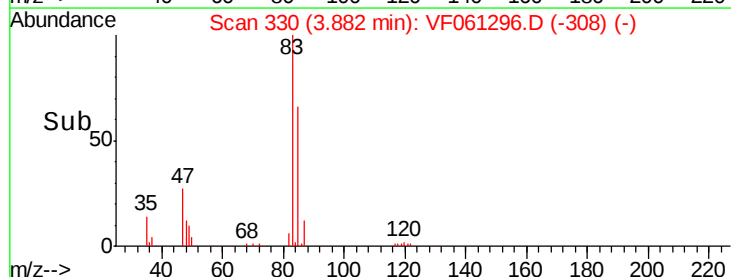
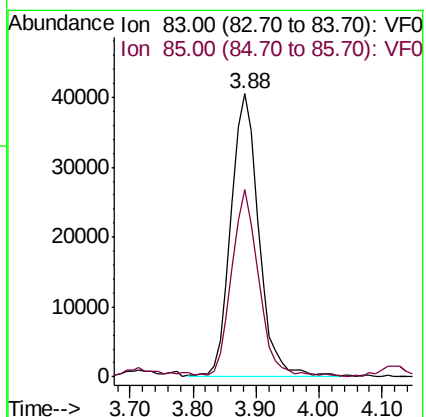
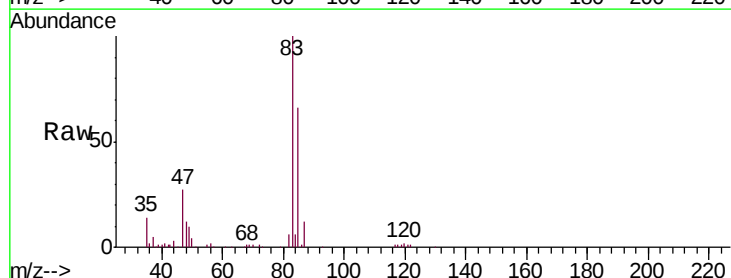
Acq: 9 Jan 2019 12:50

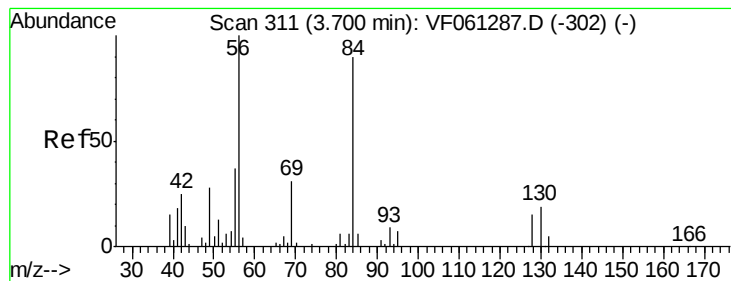
Tgt Ion: 83 Resp: 124158

Ion Ratio Lower Upper

83 100

85 66.1 54.4 81.6





#31

Cyclohexane

Concen: 22.930 ug/l

RT: 3.71 min Scan# 313

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBSD01

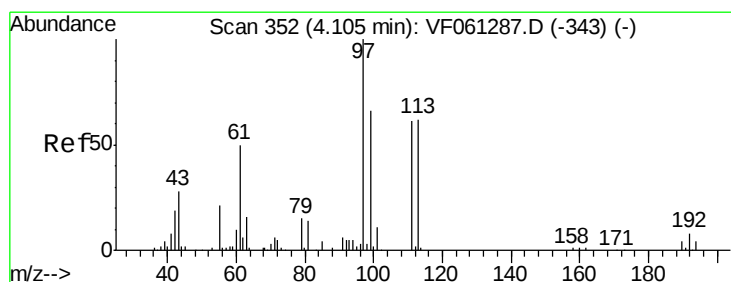
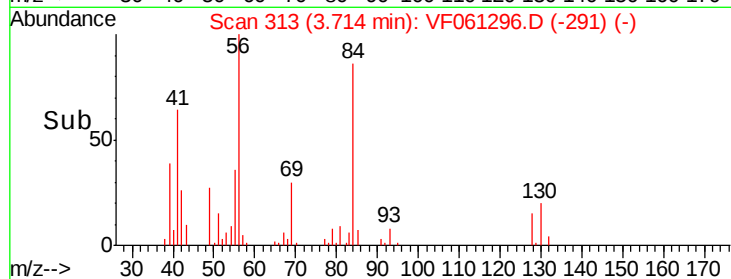
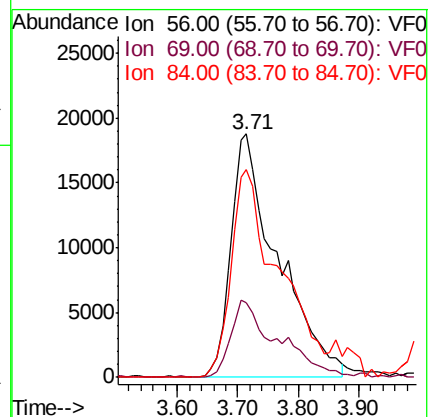
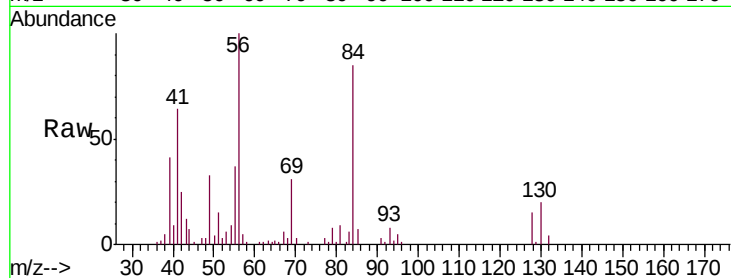
Tgt Ion: 56 Resp: 100837

Ion Ratio Lower Upper

56 100

69 30.6 24.7 37.1

84 85.4 72.2 108.4



#32

1,1,1-Trichloroethane

Concen: 21.071 ug/l

RT: 4.12 min Scan# 354

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

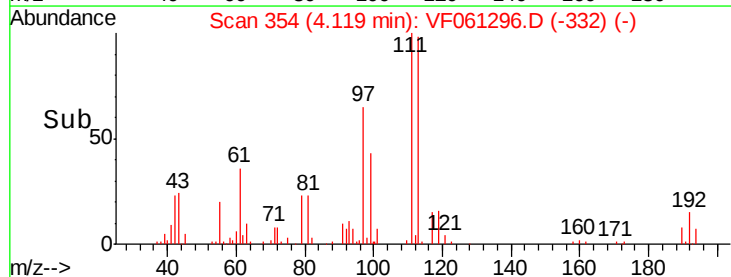
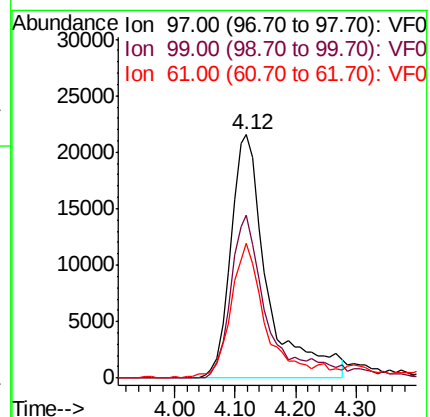
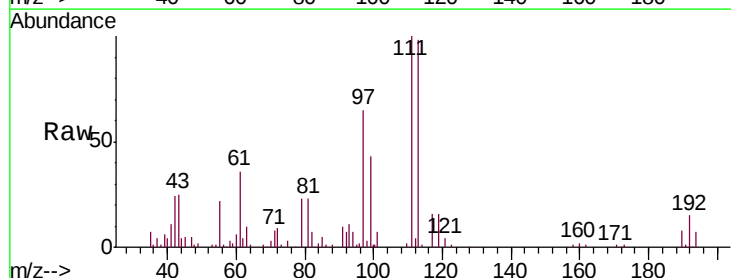
Tgt Ion: 97 Resp: 90567

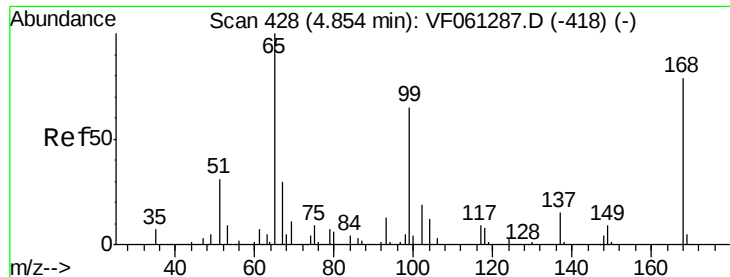
Ion Ratio Lower Upper

97 100

99 66.8 52.7 79.1

61 55.4 40.8 61.2

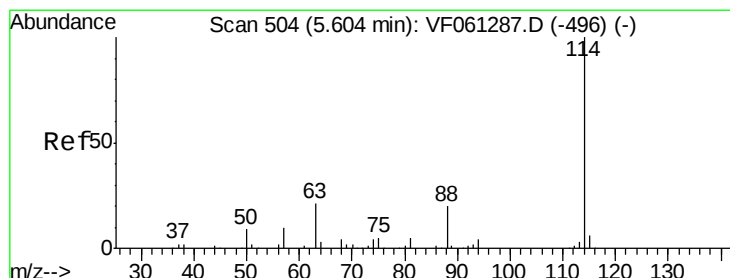
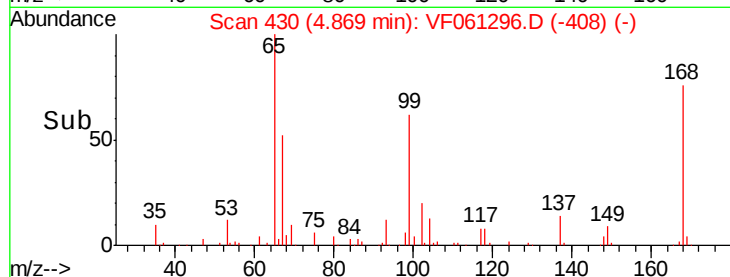
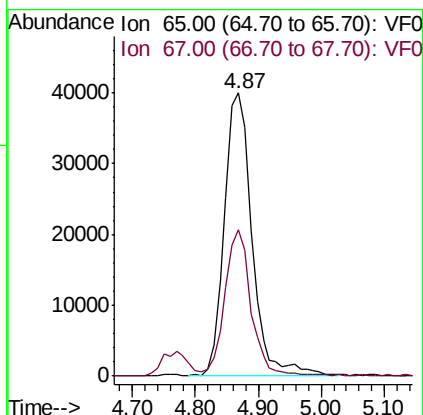
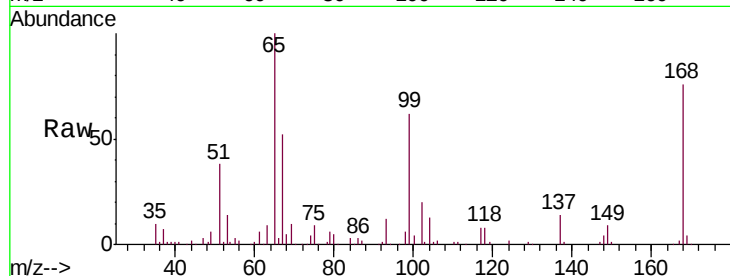




#33
 1,2-Dichloroethane-d4
 Concen: 55.684 ug/l
 RT: 4.87 min Scan# 430
 Delta R.T. 0.01 min
 Lab File: VF061296.D
 Acq: 9 Jan 2019 12:50

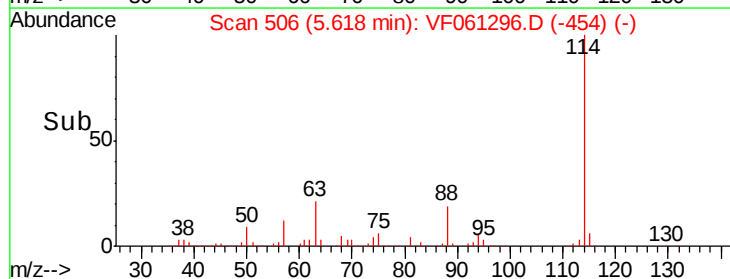
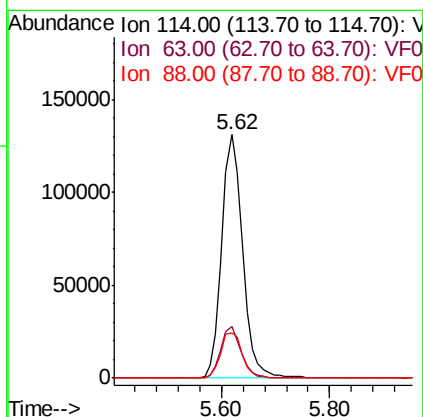
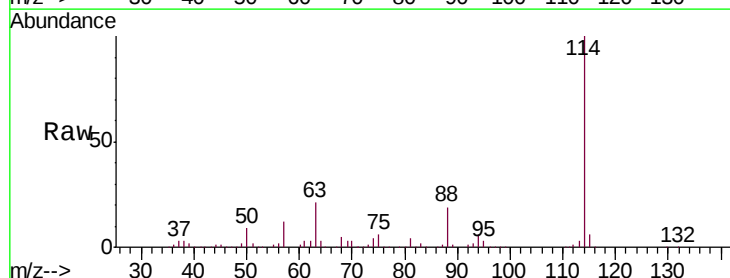
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0109SBSD01

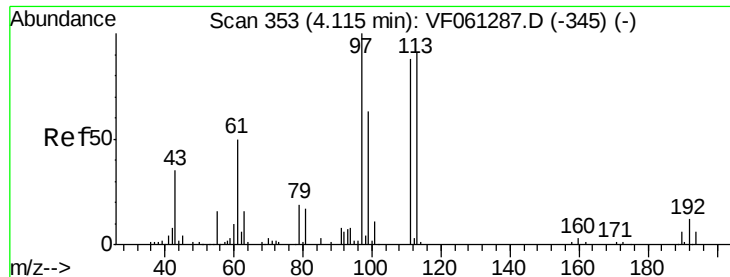
Tgt Ion: 65 Resp: 120863
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 98.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.62 min Scan# 506
 Delta R.T. 0.01 min
 Lab File: VF061296.D
 Acq: 9 Jan 2019 12:50

Tgt Ion: 114 Resp: 351798
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 42.8
 88 18.8 0.0 40.0





#35

Dibromofluoromethane

Concen: 54.709 ug/l

RT: 4.14 min Scan# 356

Delta R.T. 0.02 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBSD01

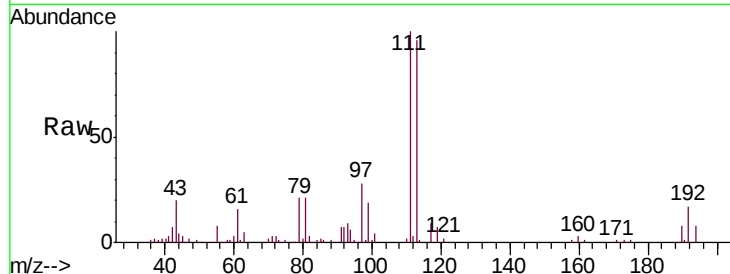
Tgt Ion:113 Resp: 147267

Ion Ratio Lower Upper

113 100

111 104.1 78.0 117.0

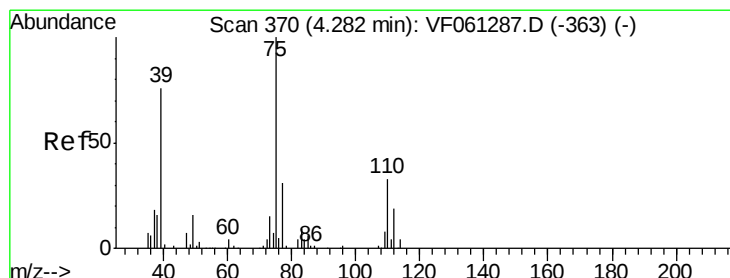
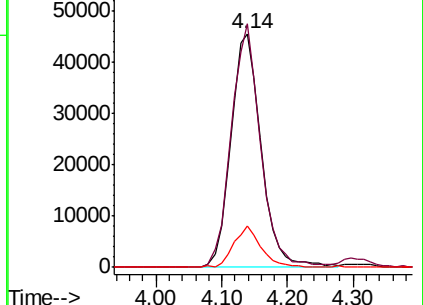
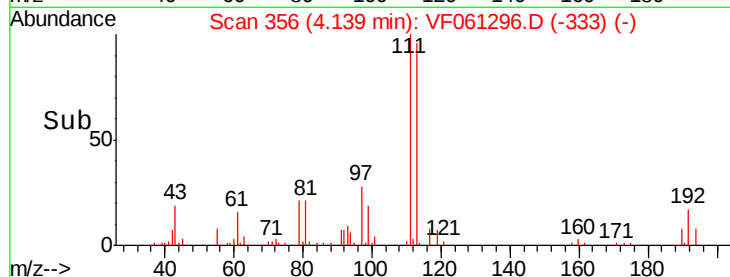
192 17.4 10.6 16.0#



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: 22.465 ug/l

RT: 4.30 min Scan# 372

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

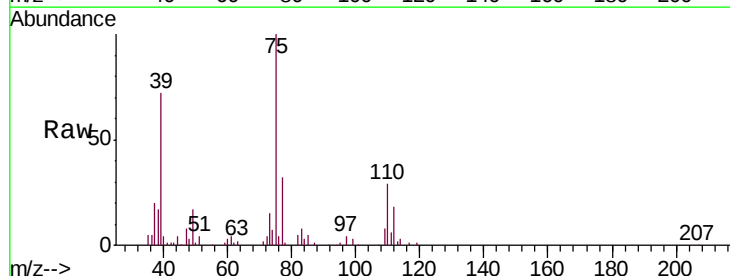
Tgt Ion: 75 Resp: 92291

Ion Ratio Lower Upper

75 100

110 29.4 16.6 49.8

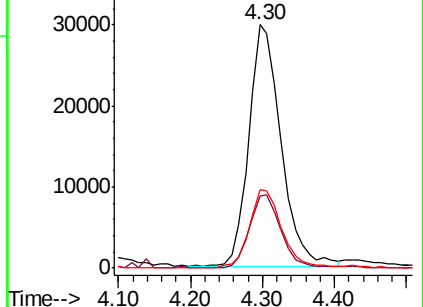
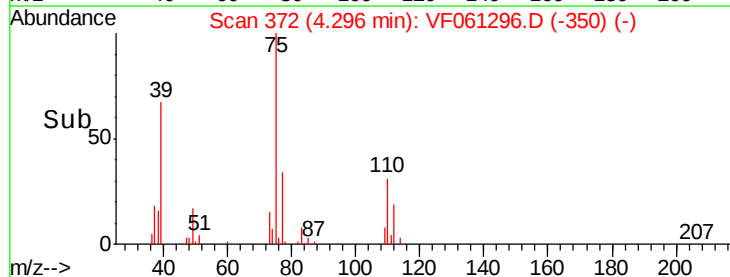
77 32.5 25.1 37.7

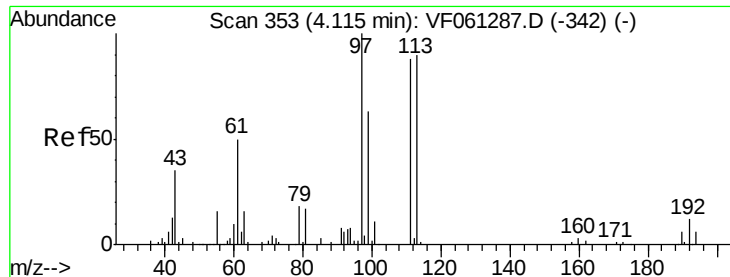


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0

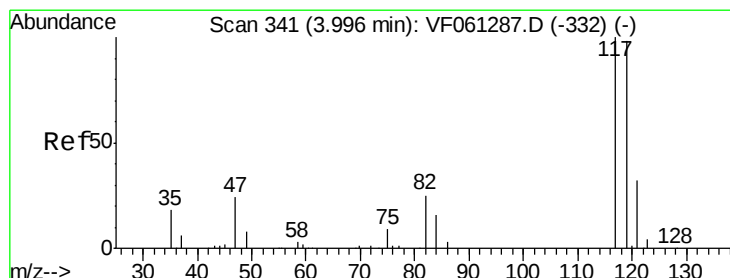
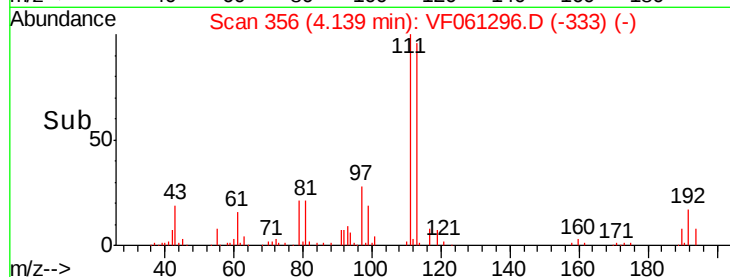
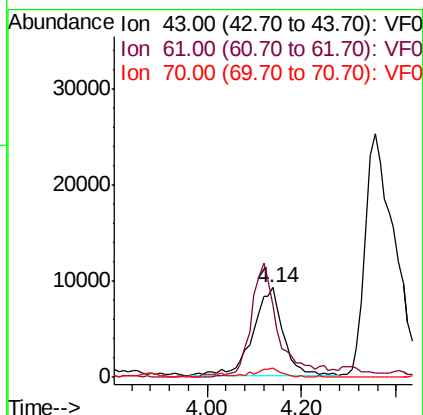
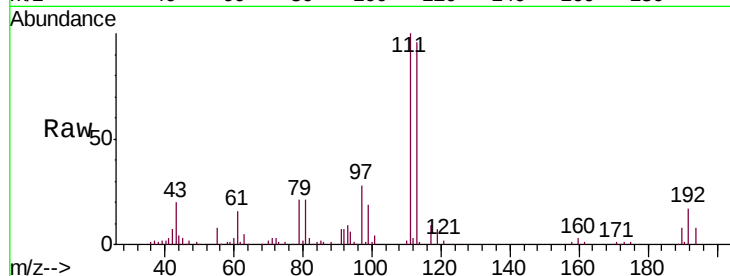




#37
Ethyl Acetate
Concen: 26.939 ug/l
RT: 4.14 min Scan# 356
Delta R.T. 0.02 min
Lab File: VF061296.D
Acq: 9 Jan 2019 12:50

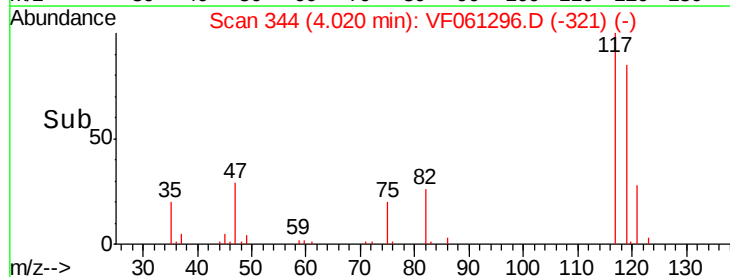
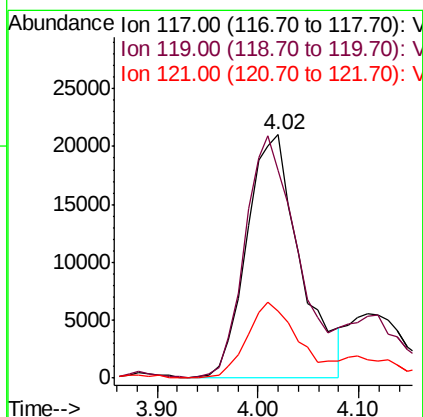
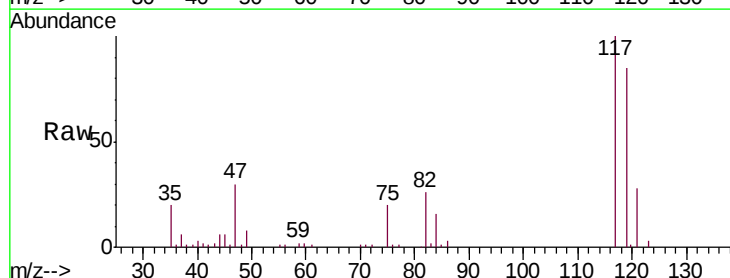
Instrument :
MSVOA_F
ClientSampleId :
VF0109SBSD01

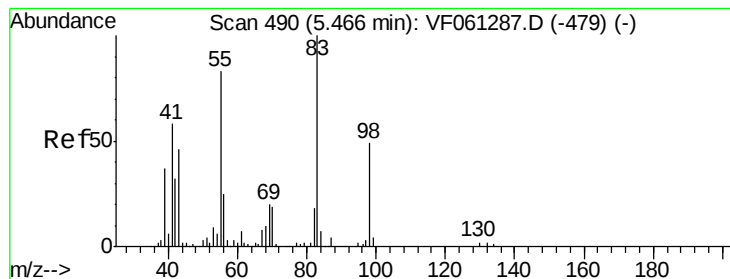
Tgt Ion: 43 Resp: 40301
Ion Ratio Lower Upper
43 100
61 80.8 113.3 169.9#
70 10.7 9.4 14.0



#38
Carbon Tetrachloride
Concen: 19.946 ug/l
RT: 4.02 min Scan# 344
Delta R.T. 0.02 min
Lab File: VF061296.D
Acq: 9 Jan 2019 12:50

Tgt Ion: 117 Resp: 77609
Ion Ratio Lower Upper
117 100
119 85.2 78.5 117.7
121 27.6 25.3 37.9





#39

Methylcyclohexane

Concen: 21.336 ug/l

RT: 5.47 min Scan# 491

Delta R.T. 0.00 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBSD01

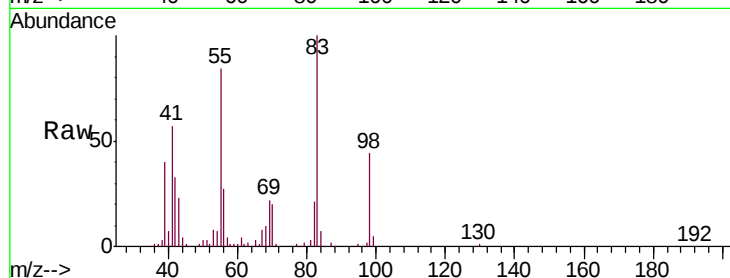
Tgt Ion: 83 Resp: 109676

Ion Ratio Lower Upper

83 100

55 83.6 66.4 99.6

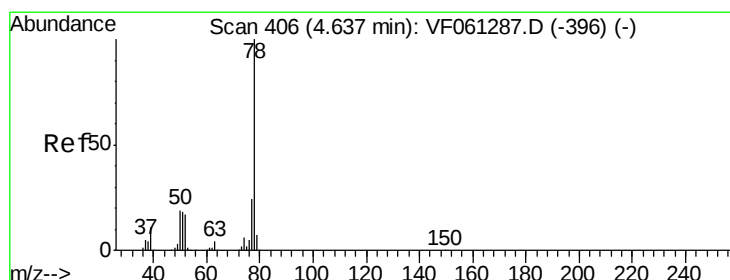
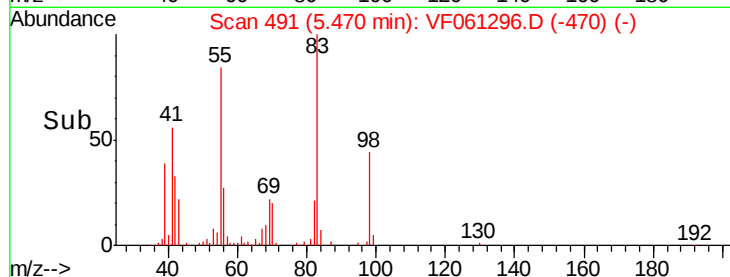
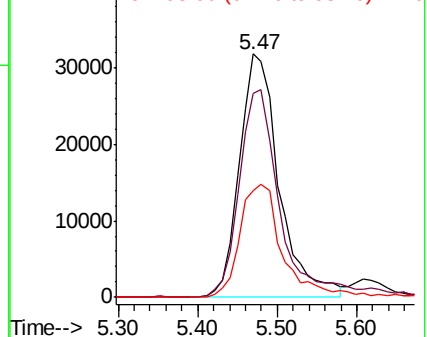
98 43.8 39.1 58.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#40

Benzene

Concen: 22.346 ug/l

RT: 4.65 min Scan# 408

Delta R.T. 0.01 min

Lab File: VF061296.D

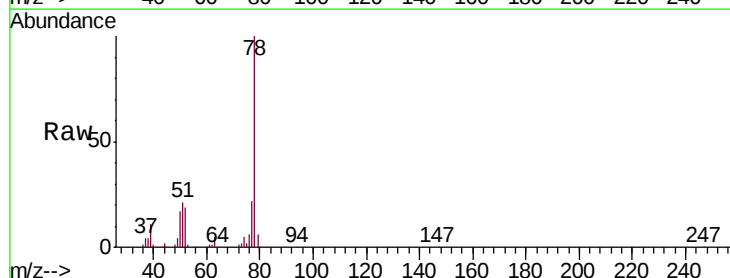
Acq: 9 Jan 2019 12:50

Tgt Ion: 78 Resp: 214320

Ion Ratio Lower Upper

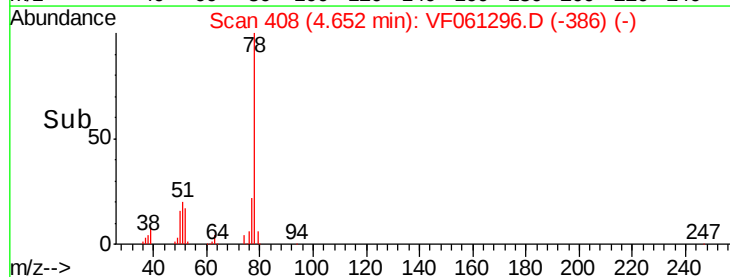
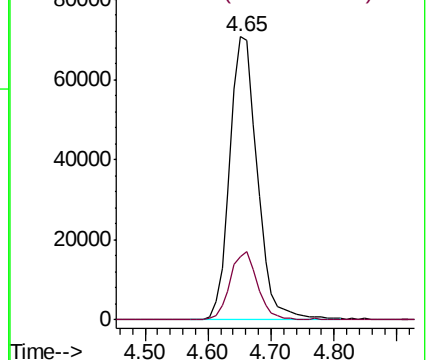
78 100

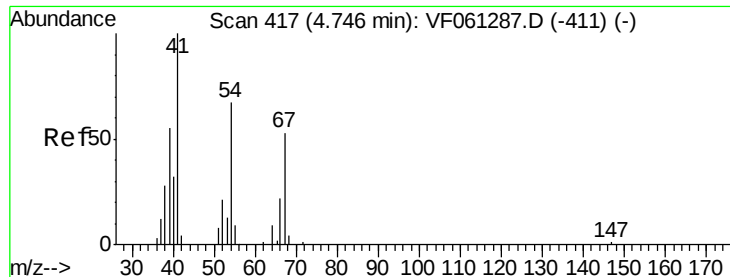
77 22.5 19.1 28.7



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0

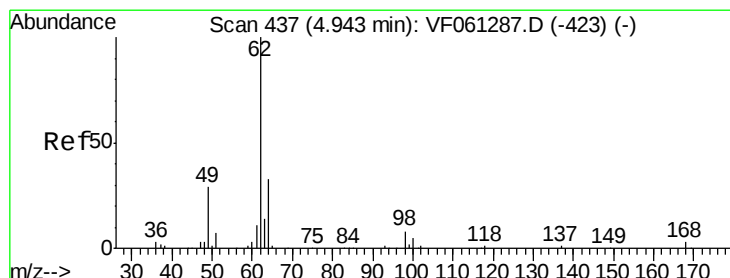
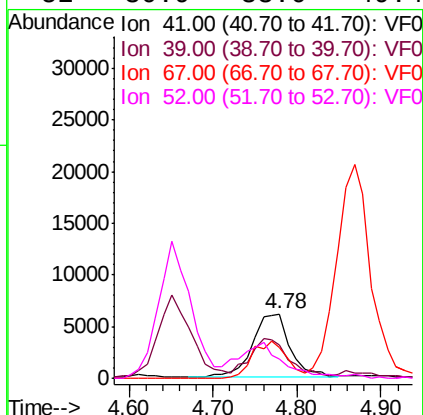
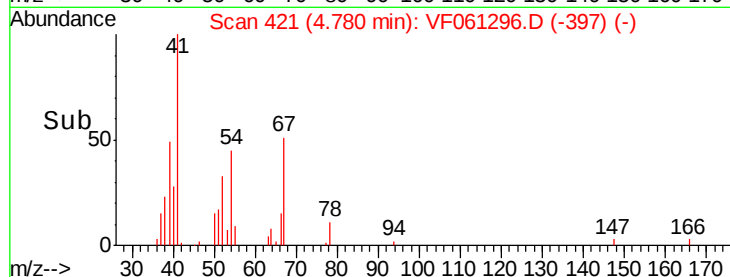
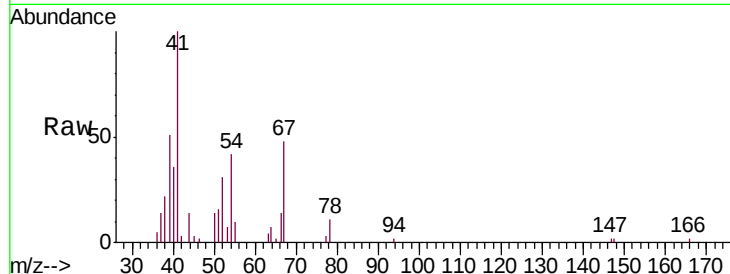




#41
Methacrylonitrile
Concen: 22.440 ug/l
RT: 4.78 min Scan# 421
Delta R.T. 0.03 min
Lab File: VF061296.D
Acq: 9 Jan 2019 12:50

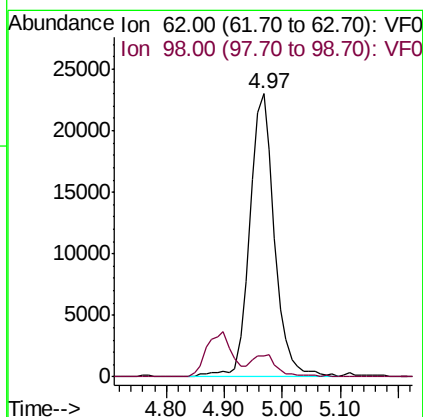
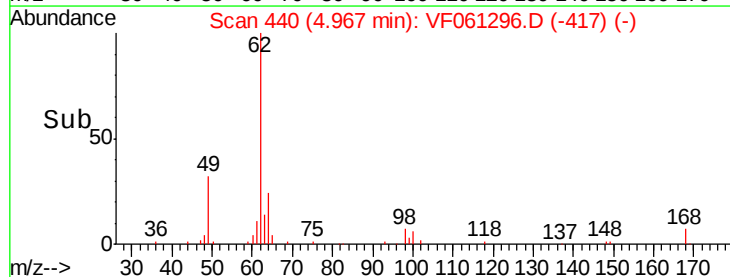
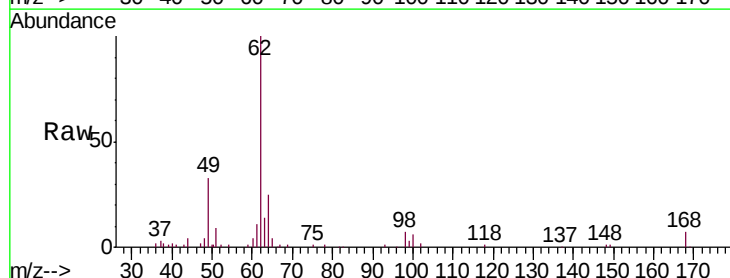
Instrument :
MSVOA_F
ClientSampleId :
VF0109SBSD01

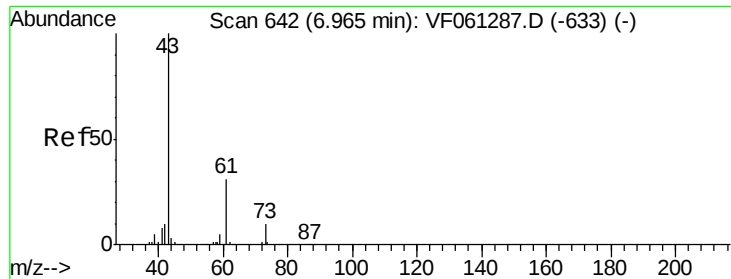
Tgt Ion: 41 Resp: 18747
Ion Ratio Lower Upper
41 100
39 51.5 52.7 79.1#
67 47.7 41.4 62.2
52 30.9 33.0 49.4#



#42
1,2-Dichloroethane
Concen: 23.134 ug/l
RT: 4.97 min Scan# 440
Delta R.T. 0.02 min
Lab File: VF061296.D
Acq: 9 Jan 2019 12:50

Tgt Ion: 62 Resp: 69079
Ion Ratio Lower Upper
62 100
98 7.4 0.0 16.8





#43

Isopropyl Acetate

Concen: 21.936 ug/l

RT: 6.98 min Scan# 644

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBSD01

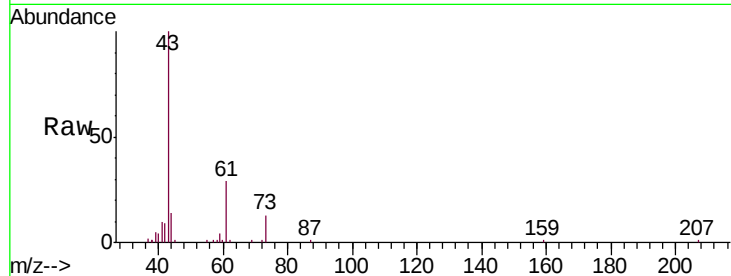
Tgt Ion: 43 Resp: 43326

Ion Ratio Lower Upper

43 100

61 29.1 24.3 36.5

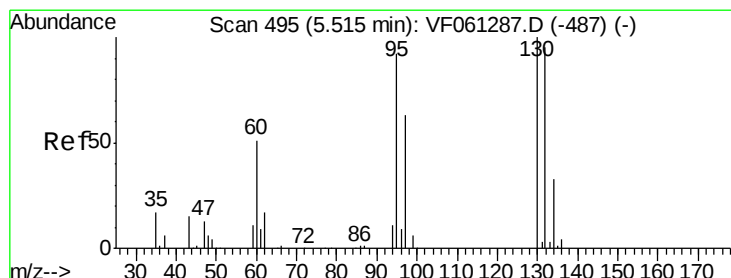
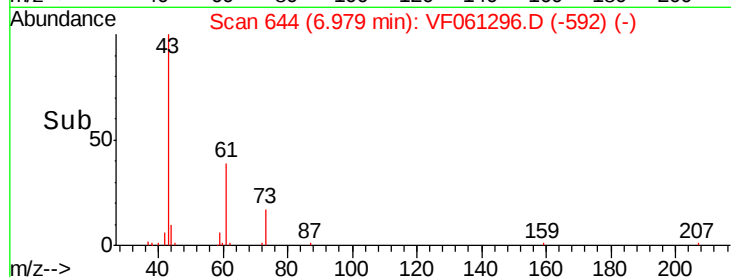
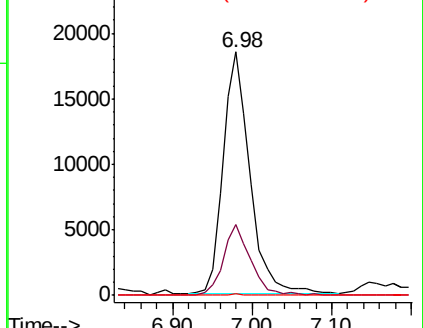
87 0.8 0.2 0.4#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 23.461 ug/l

RT: 5.53 min Scan# 497

Delta R.T. 0.01 min

Lab File: VF061296.D

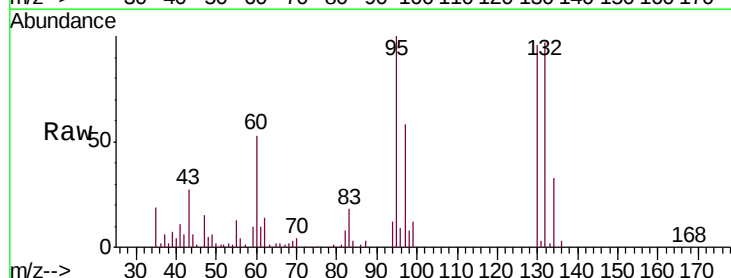
Acq: 9 Jan 2019 12:50

Tgt Ion:130 Resp: 65852

Ion Ratio Lower Upper

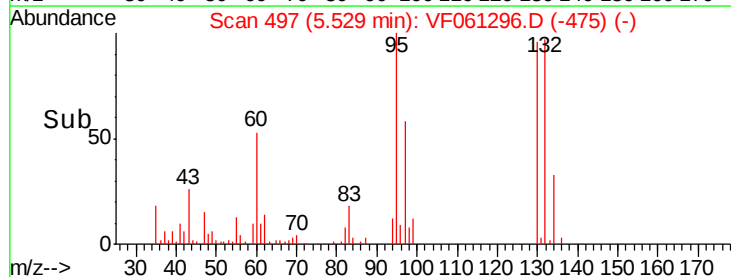
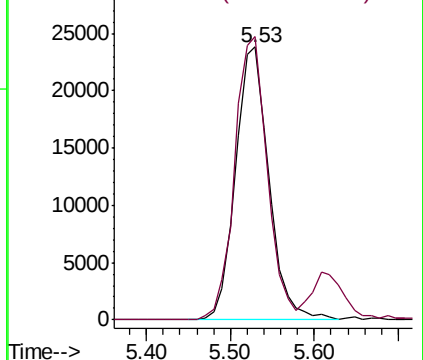
130 100

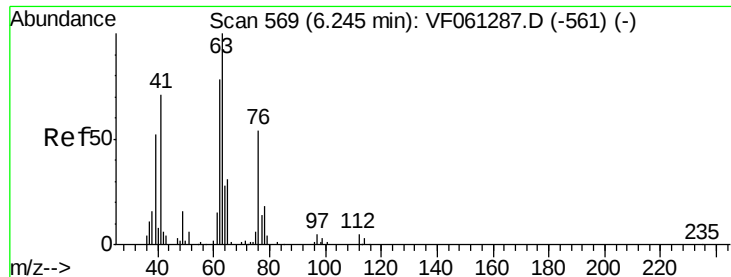
95 103.9 0.0 184.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 23.248 ug/l

RT: 6.26 min Scan# 571

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

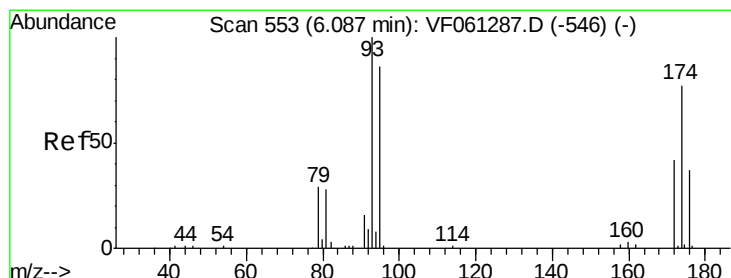
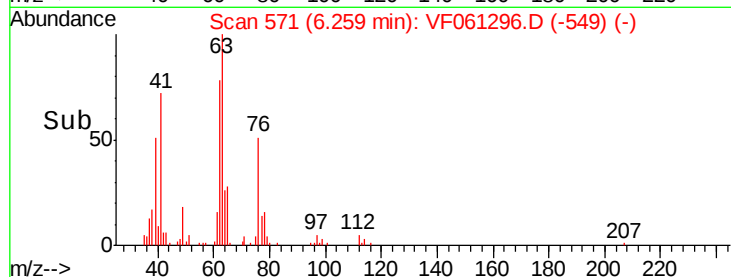
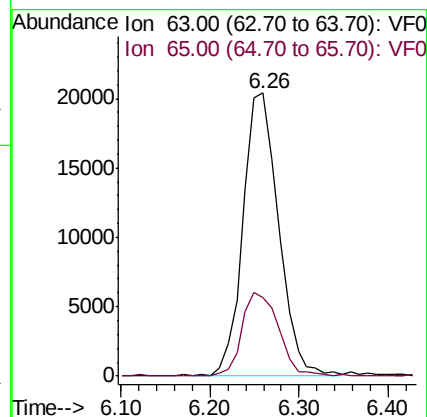
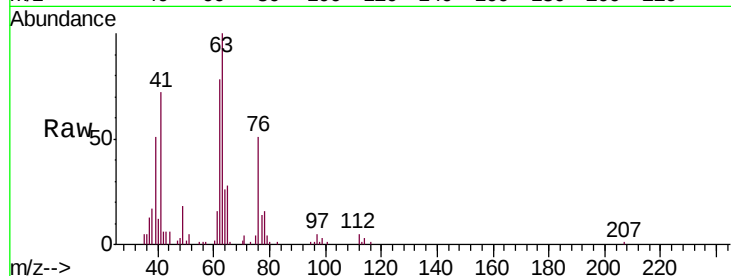
VF0109SBS01

Tgt Ion: 63 Resp: 56701

Ion Ratio Lower Upper

63 100

65 28.0 25.1 37.7



#46

Dibromomethane

Concen: 21.993 ug/l

RT: 6.11 min Scan# 556

Delta R.T. 0.02 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

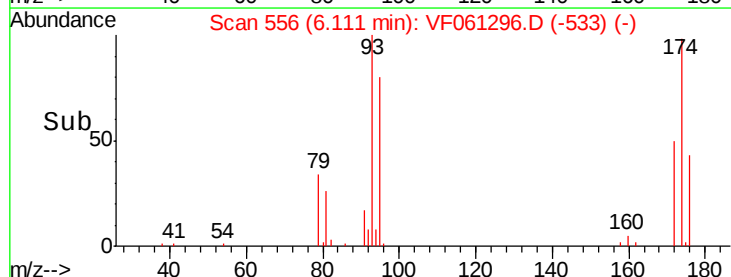
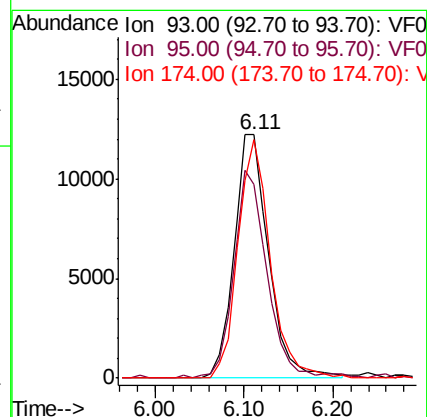
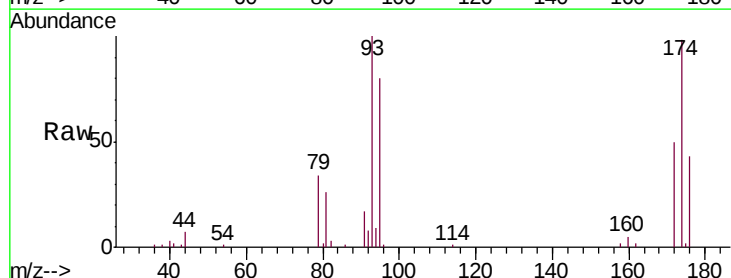
Tgt Ion: 93 Resp: 32935

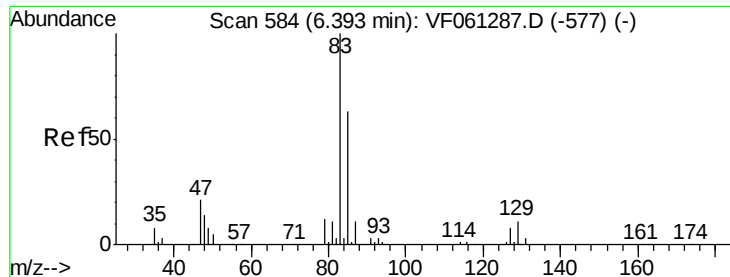
Ion Ratio Lower Upper

93 100

95 79.5 68.8 103.2

174 97.8 62.9 94.3#





#47

Bromodichloromethane

Concen: 22.145 ug/l

RT: 6.41 min Scan# 586

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBS01

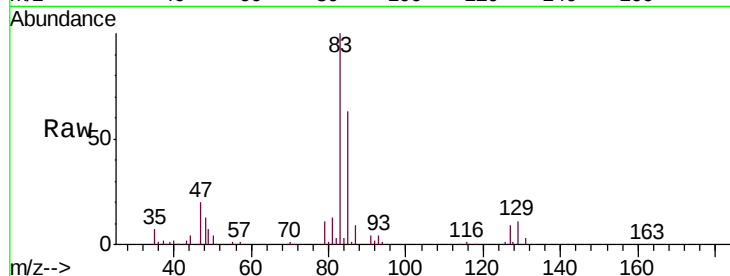
Tgt Ion: 83 Resp: 82475

Ion Ratio Lower Upper

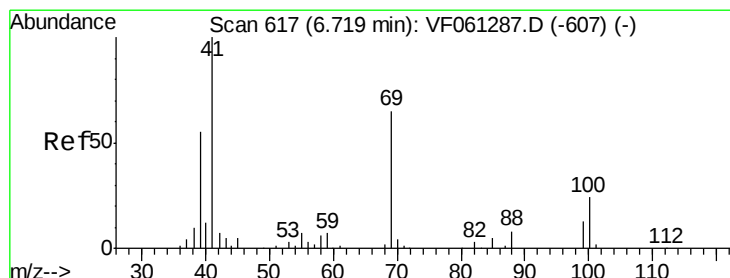
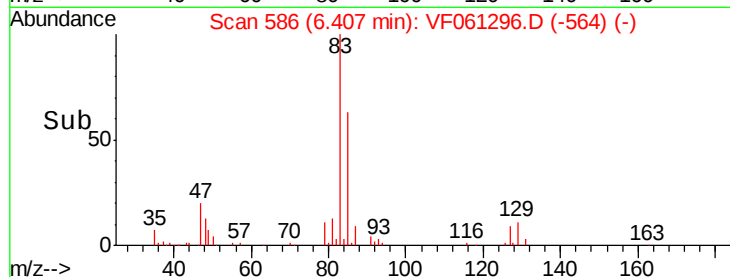
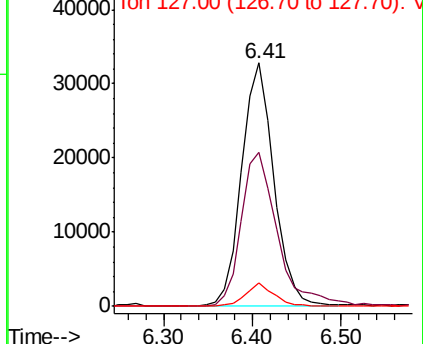
83 100

85 63.3 50.4 75.6

127 9.6 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: 24.145 ug/l

RT: 6.73 min Scan# 619

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

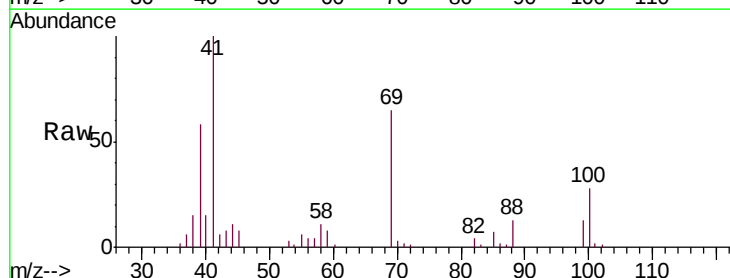
Tgt Ion: 41 Resp: 30955

Ion Ratio Lower Upper

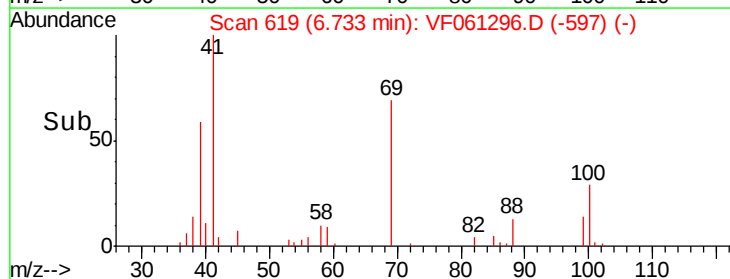
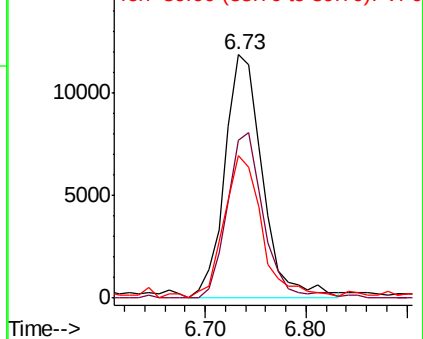
41 100

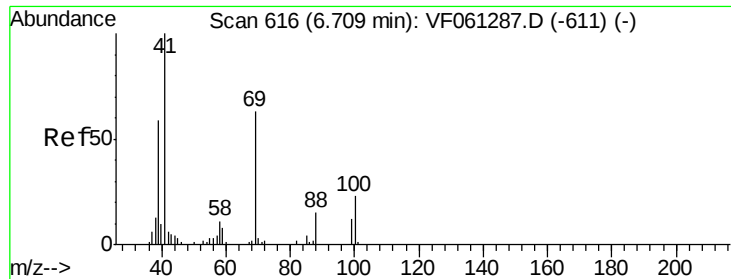
69 65.0 51.5 77.3

39 58.4 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: 549.851 ug/l

RT: 6.72 min Scan# 618

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBS01

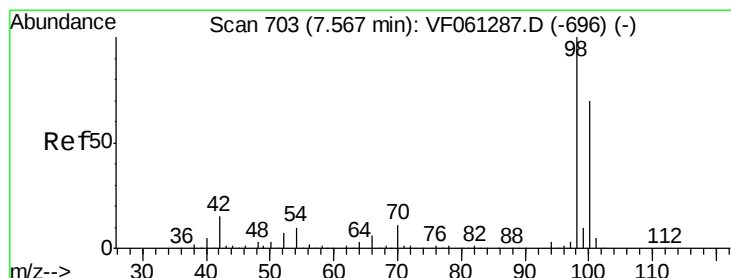
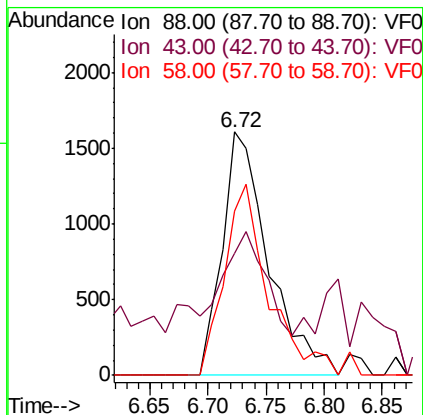
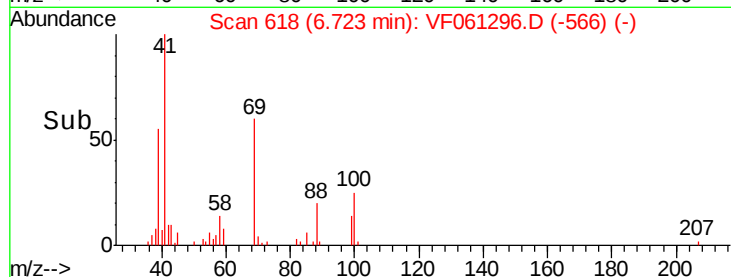
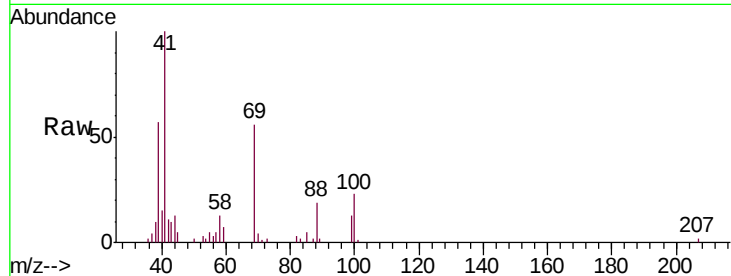
Tgt Ion: 88 Resp: 4448

Ion Ratio Lower Upper

88 100

43 50.1 38.5 57.7

58 67.4 57.0 85.4



#50

Toluene-d8

Concen: 53.485 ug/l

RT: 7.57 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF061296.D

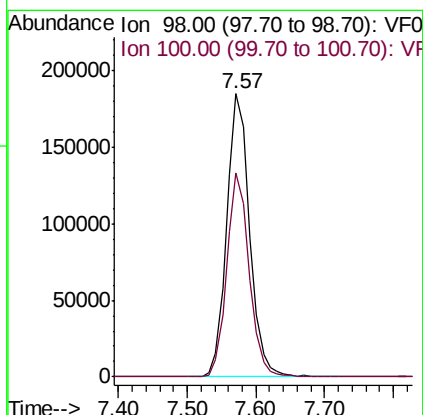
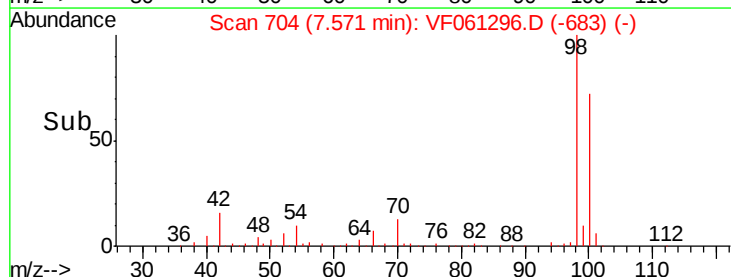
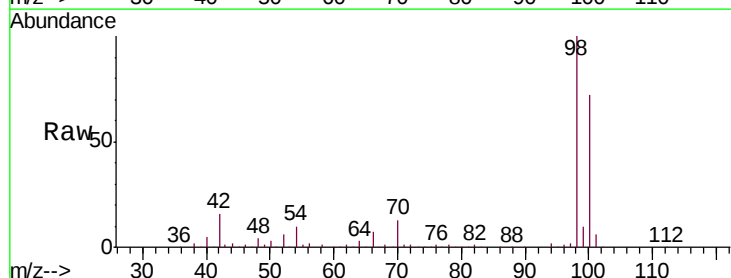
Acq: 9 Jan 2019 12:50

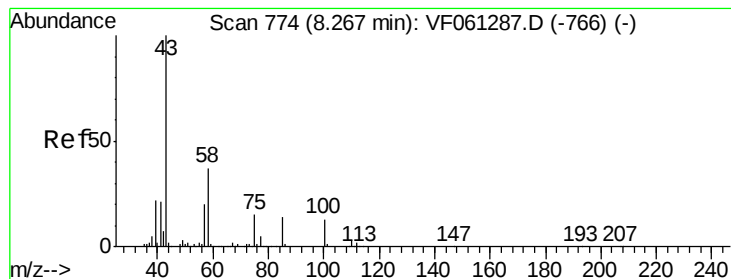
Tgt Ion: 98 Resp: 426048

Ion Ratio Lower Upper

98 100

100 72.0 55.6 83.4





#51

4-Methyl-2-Pentanone

Concen: 111.822 ug/l

RT: 8.28 min Scan# 776

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

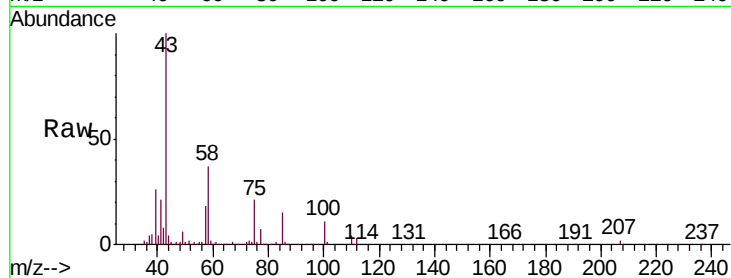
VF0109SBSD01

Tgt Ion: 43 Resp: 166706

Ion Ratio Lower Upper

43 100

58 37.3 29.6 44.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.28

60000

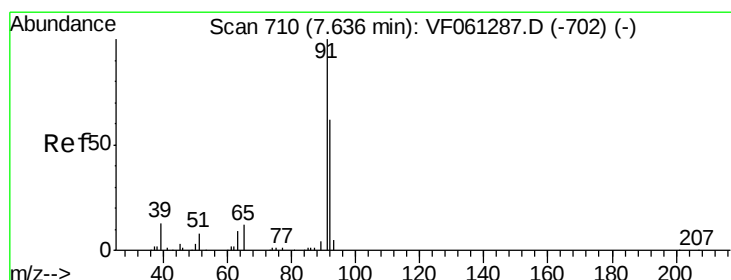
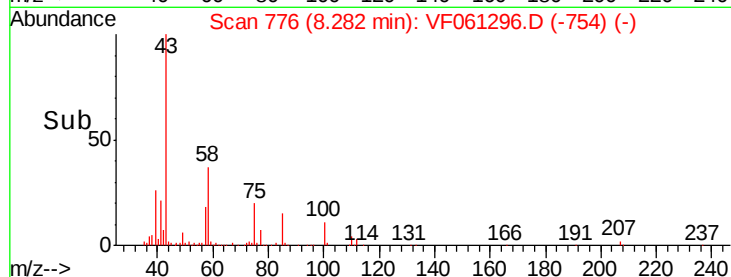
40000

20000

0

8.20 8.30 8.40

Time-->



#52

Toluene

Concen: 22.167 ug/l

RT: 7.64 min Scan# 711

Delta R.T. 0.00 min

Lab File: VF061296.D

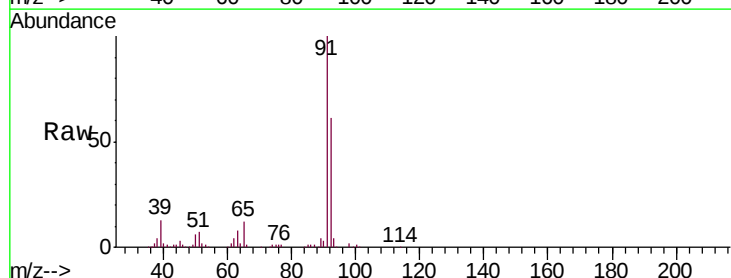
Acq: 9 Jan 2019 12:50

Tgt Ion: 92 Resp: 136656

Ion Ratio Lower Upper

92 100

91 164.2 129.2 193.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.64

100000

80000

60000

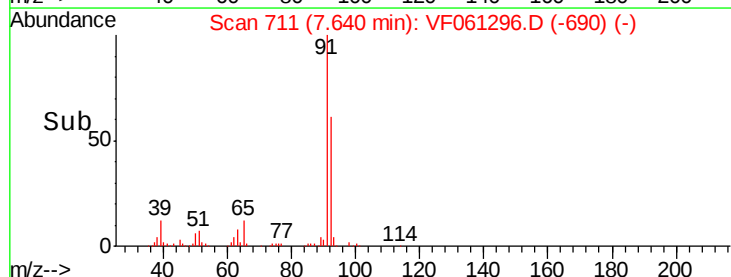
40000

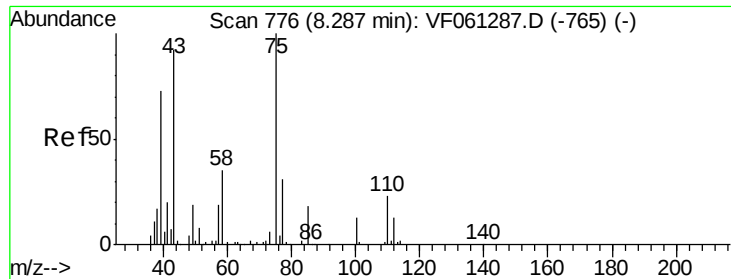
20000

0

7.50 7.60 7.70 7.80

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.394 ug/l

RT: 8.30 min Scan# 778

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

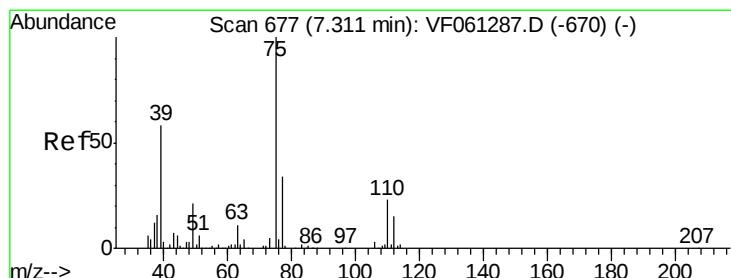
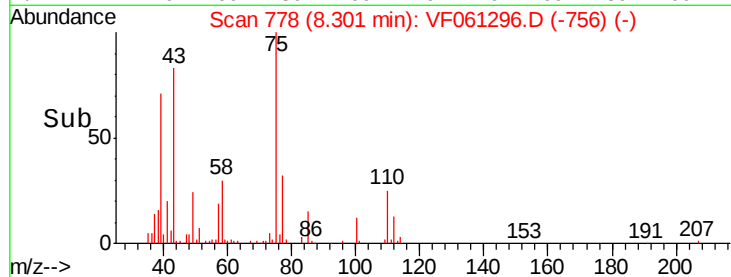
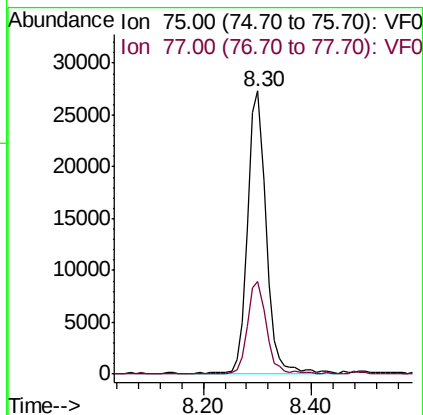
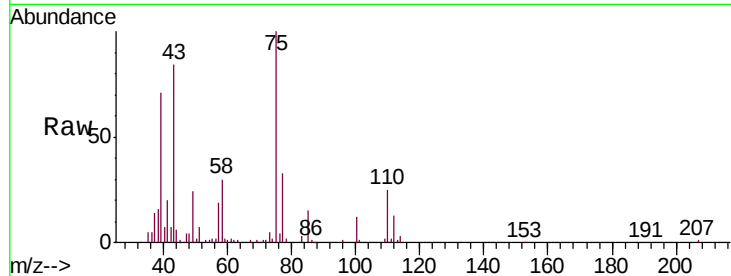
VF0109SBSD01

Tgt Ion: 75 Resp: 65498

Ion Ratio Lower Upper

75 100

77 32.6 24.7 37.1



#54

cis-1,3-Dichloropropene

Concen: 21.811 ug/l

RT: 7.32 min Scan# 679

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

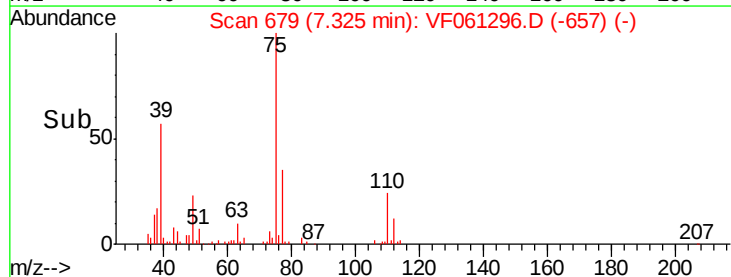
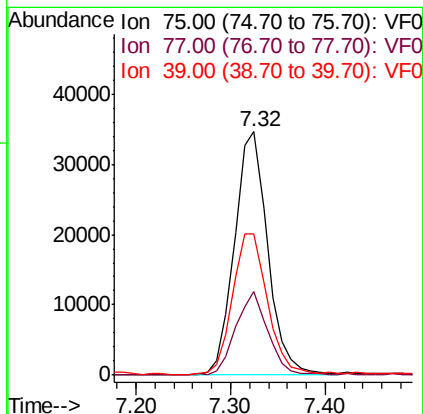
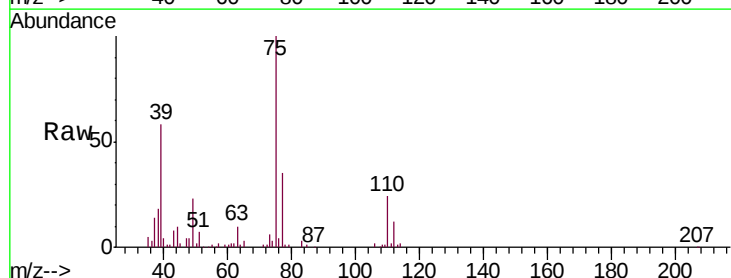
Tgt Ion: 75 Resp: 84584

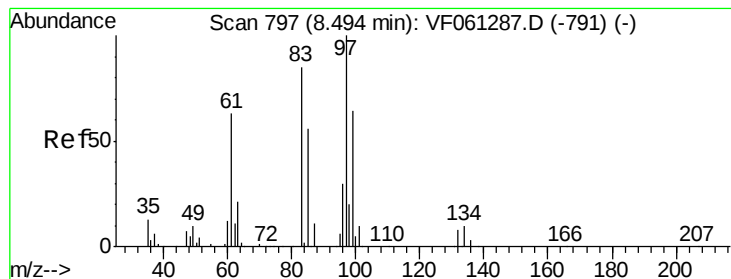
Ion Ratio Lower Upper

75 100

77 34.6 27.3 40.9

39 57.9 46.3 69.5





#55

1,1,2-Trichloroethane

Concen: 21.260 ug/l

RT: 8.52 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBSD01

Tgt Ion: 97 Resp: 36676

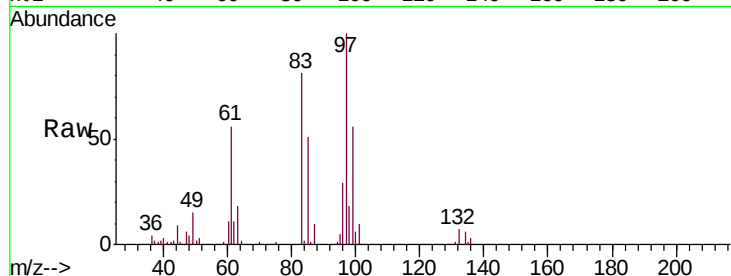
Ion Ratio Lower Upper

97 100

83 80.6 67.8 101.6

85 51.2 45.1 67.7

99 56.0 51.0 76.6



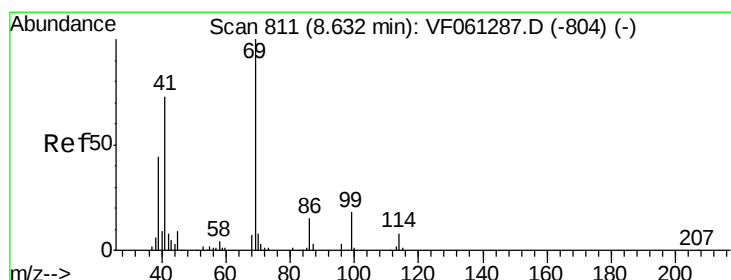
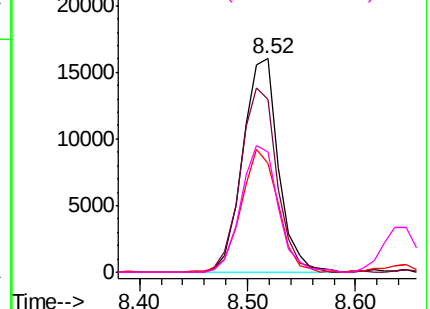
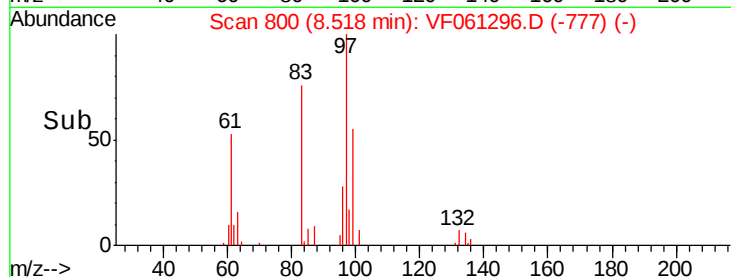
Abundance

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: 22.976 ug/l

RT: 8.64 min Scan# 812

Delta R.T. 0.00 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

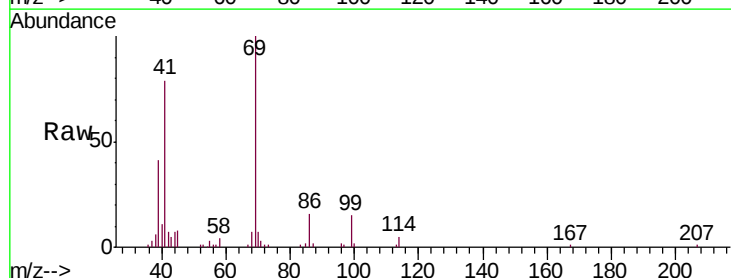
Tgt Ion: 69 Resp: 44298

Ion Ratio Lower Upper

69 100

41 79.0 59.0 88.4

39 41.2 35.3 52.9

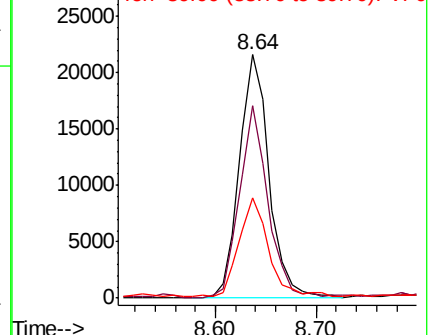
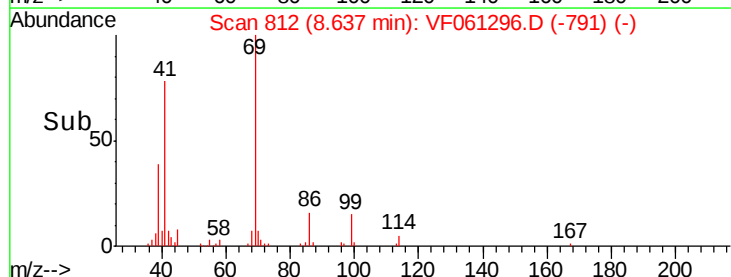


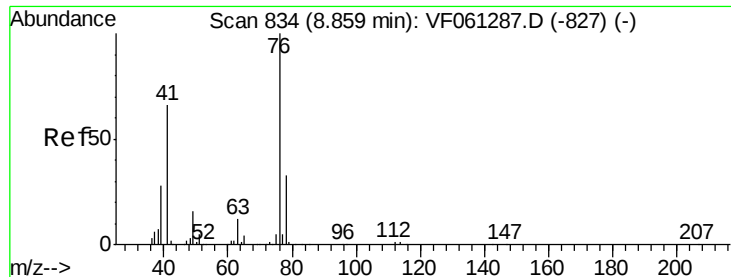
Abundance

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: 22.769 ug/l

RT: 8.87 min Scan# 836

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

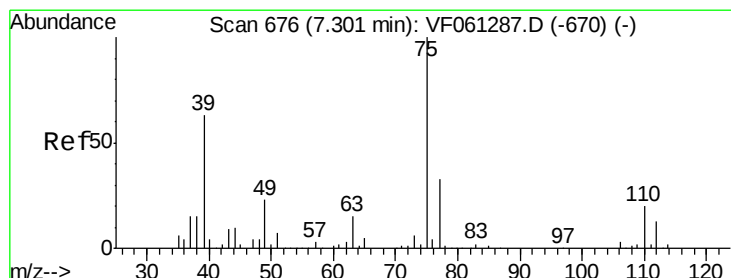
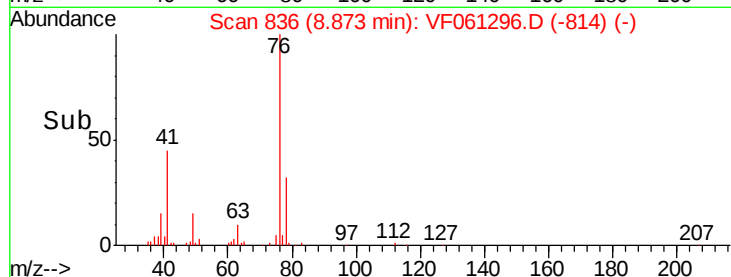
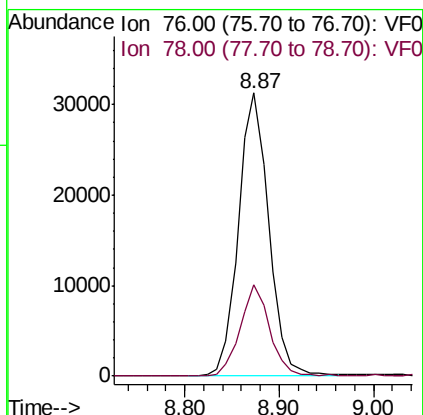
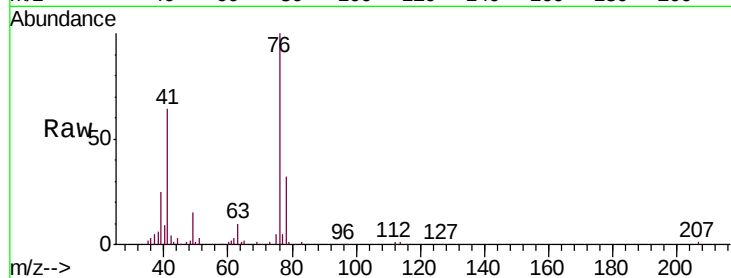
VF0109SBSD01

Tgt Ion: 76 Resp: 69513

Ion Ratio Lower Upper

76 100

78 32.2 26.8 40.2



#58

2-Chloroethyl Vinyl ether

Concen: 122.271 ug/l

RT: 7.31 min Scan# 678

Delta R.T. 0.01 min

Lab File: VF061296.D

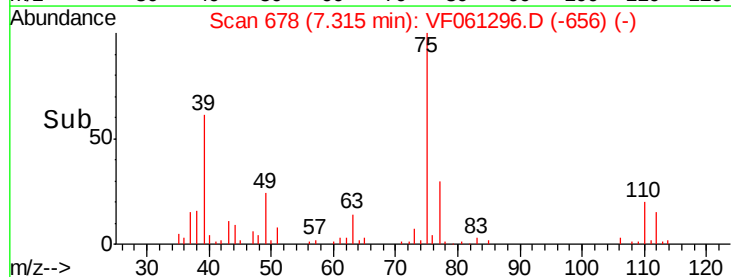
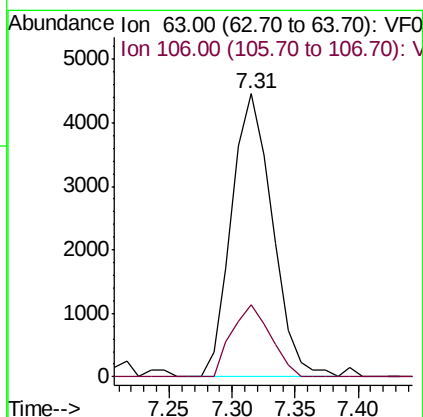
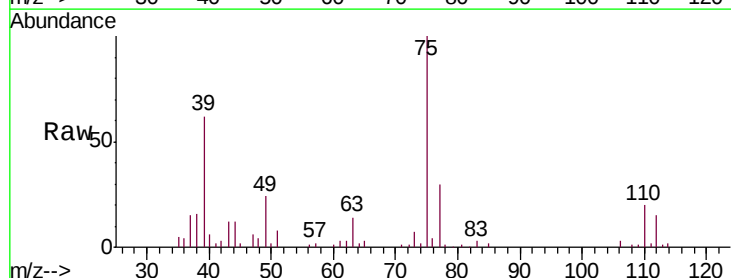
Acq: 9 Jan 2019 12:50

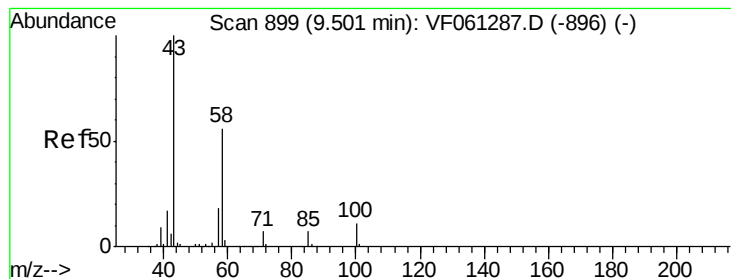
Tgt Ion: 63 Resp: 10046

Ion Ratio Lower Upper

63 100

106 25.4 16.5 24.7#





#59

2-Hexanone

Concen: 120.335 ug/l

RT: 9.51 min Scan# 901

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

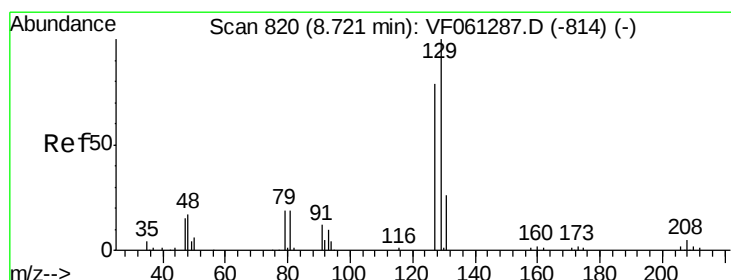
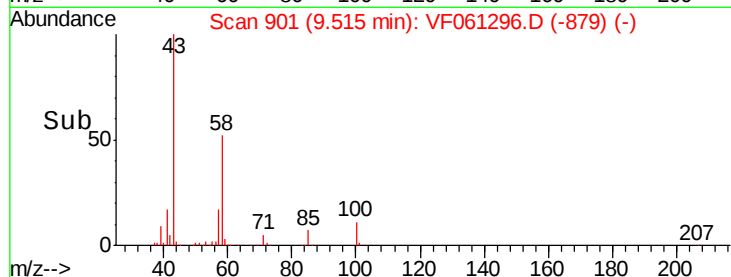
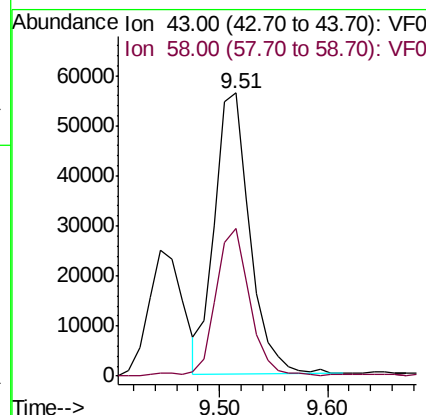
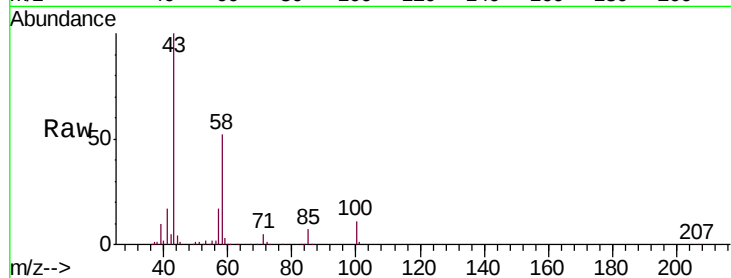
VF0109SBSD01

Tgt Ion: 43 Resp: 127094

Ion Ratio Lower Upper

43 100

58 52.3 25.6 76.8



#60

Dibromochloromethane

Concen: 21.697 ug/l

RT: 8.74 min Scan# 822

Delta R.T. 0.01 min

Lab File: VF061296.D

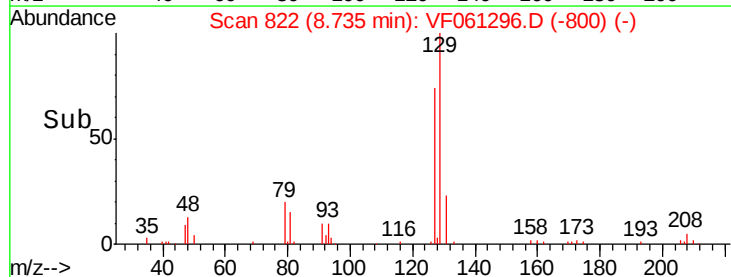
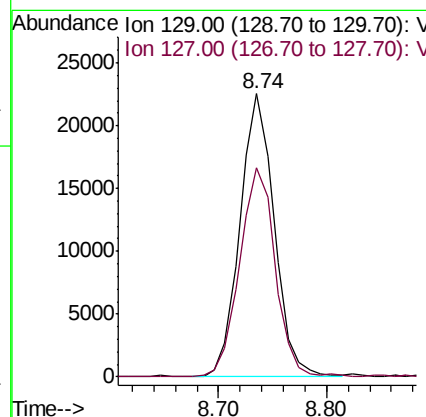
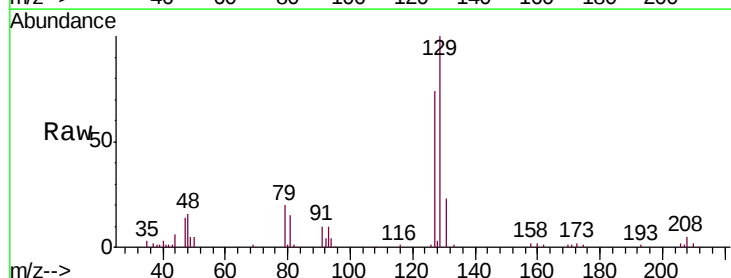
Acq: 9 Jan 2019 12:50

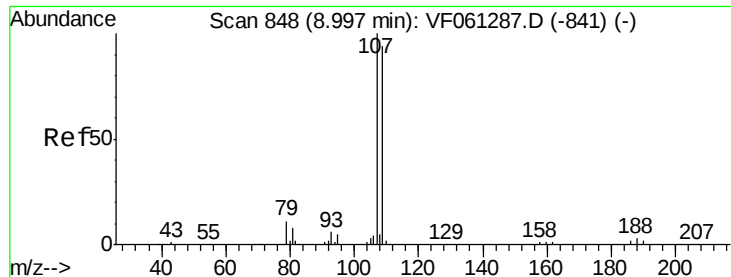
Tgt Ion: 129 Resp: 49840

Ion Ratio Lower Upper

129 100

127 73.9 39.4 118.1





#61

1,2-Dibromoethane

Concen: 21.670 ug/l

RT: 9.00 min Scan# 849

Delta R.T. 0.00 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

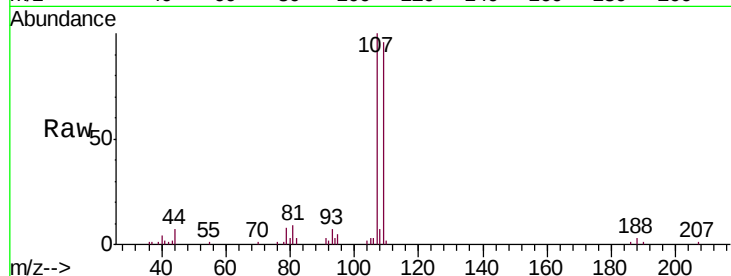
VF0109SBSD01

Tgt Ion: 107 Resp: 38106

Ion Ratio Lower Upper

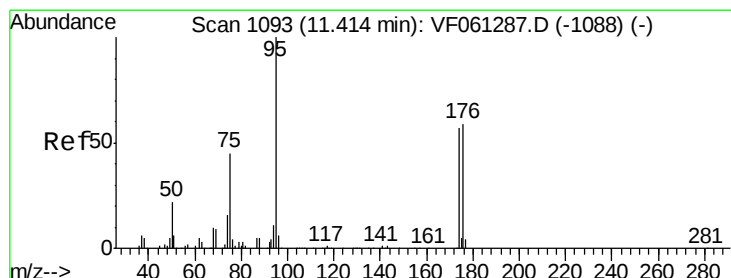
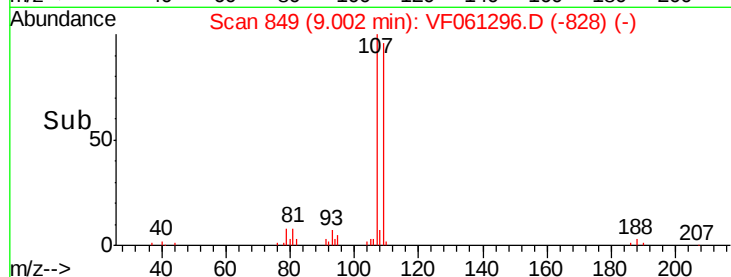
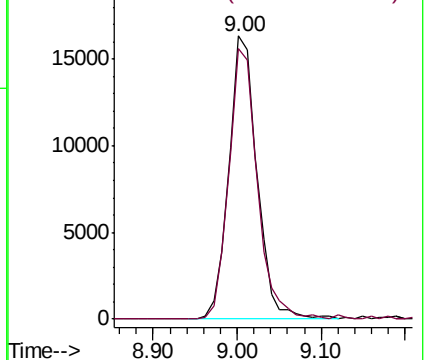
107 100

109 95.5 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: 51.938 ug/l

RT: 11.43 min Scan# 1095

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

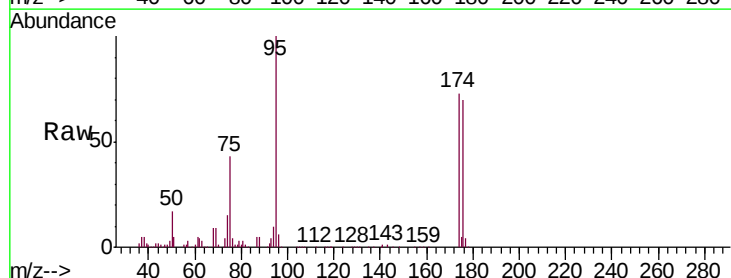
Tgt Ion: 95 Resp: 180657

Ion Ratio Lower Upper

95 100

174 72.8 0.0 114.2

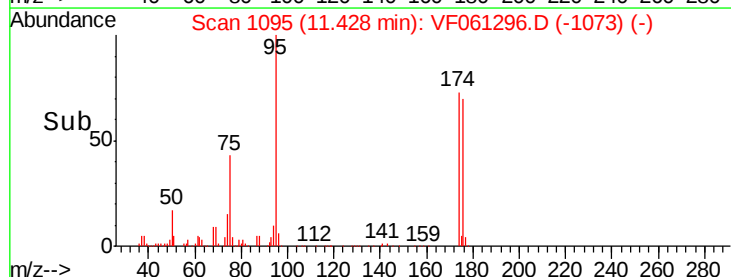
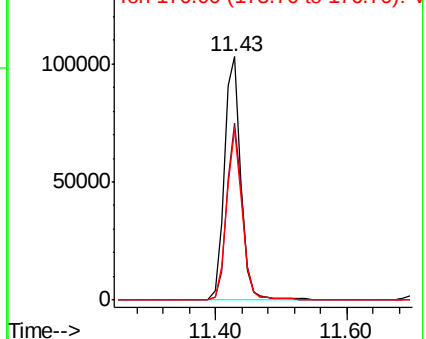
176 69.9 0.0 117.8

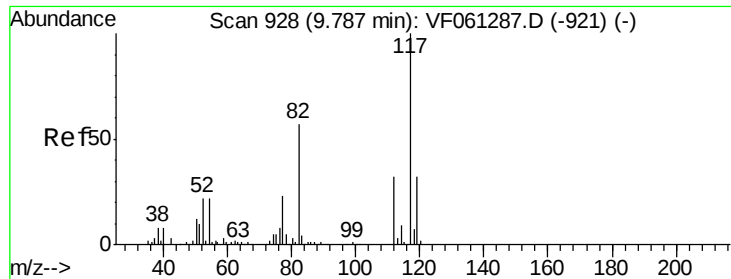


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

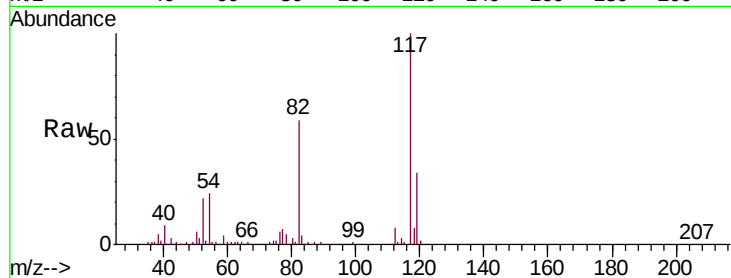




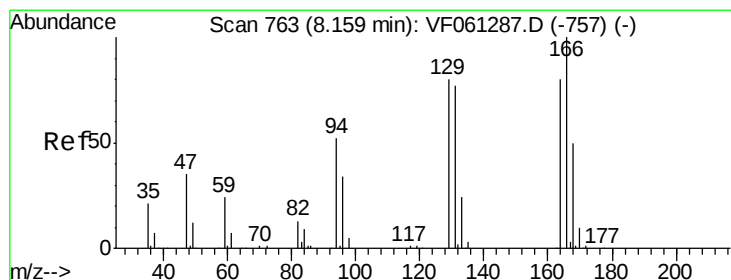
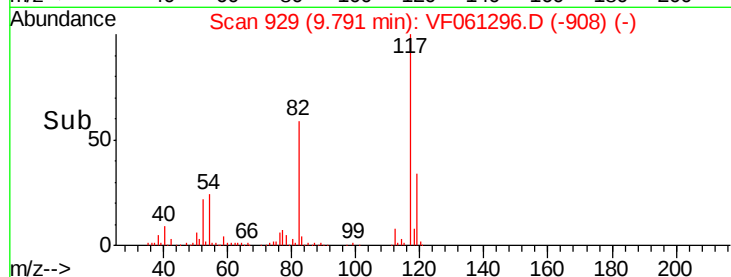
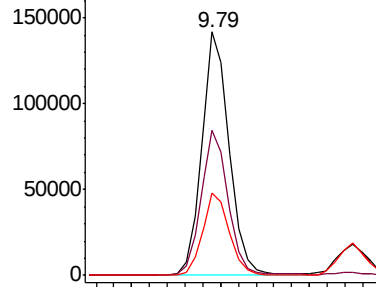
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.79 min Scan# 929
Delta R.T. 0.00 min
Lab File: VF061296.D
Acq: 9 Jan 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBSD01

Tgt Ion:117 Resp: 305370
Ion Ratio Lower Upper
117 100
82 59.5 45.3 67.9
119 33.6 25.4 38.0

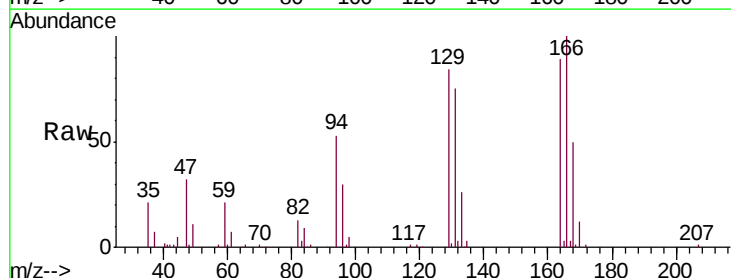


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

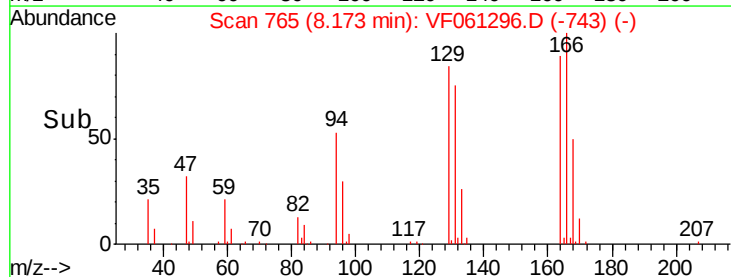
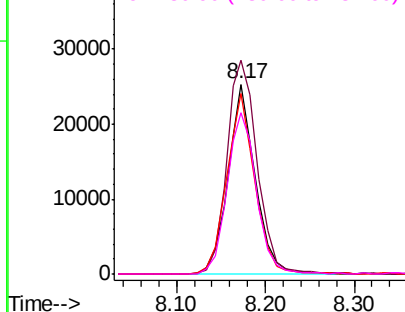


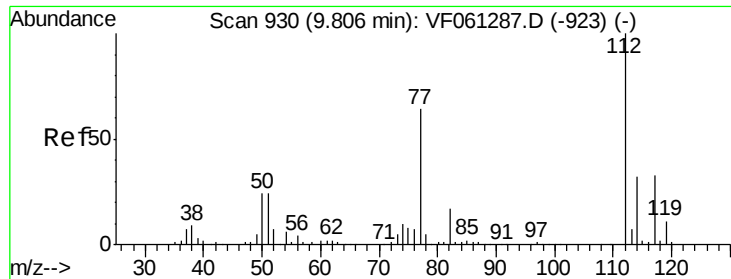
#64
Tetrachloroethene
Concen: 24.379 ug/l
RT: 8.17 min Scan# 765
Delta R.T. 0.01 min
Lab File: VF061296.D
Acq: 9 Jan 2019 12:50

Tgt Ion:164 Resp: 54203
Ion Ratio Lower Upper
164 100
166 112.5 100.1 150.1
129 95.0 80.1 120.1
131 84.9 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

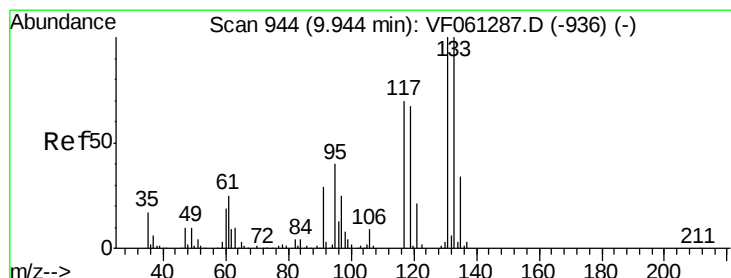
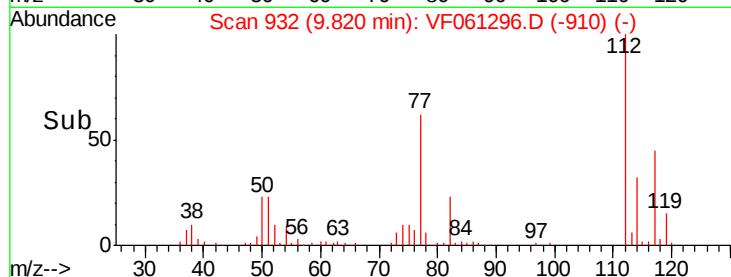
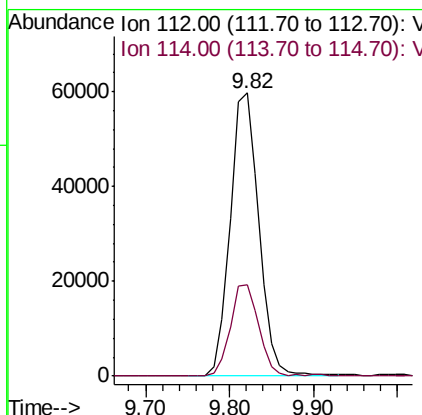
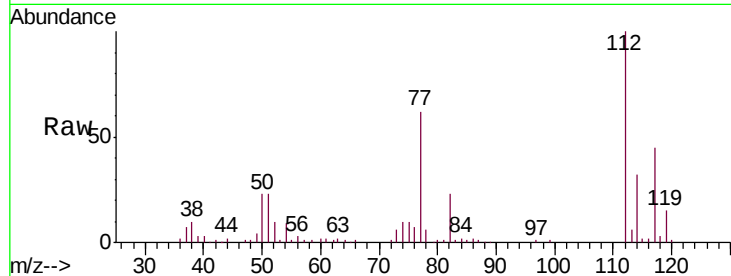




#65
Chlorobenzene
Concen: 23.035 ug/l
RT: 9.82 min Scan# 932
Delta R.T. 0.01 min
Lab File: VF061296.D
Acq: 9 Jan 2019 12:50

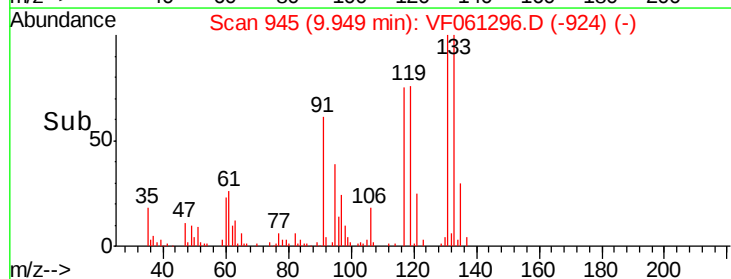
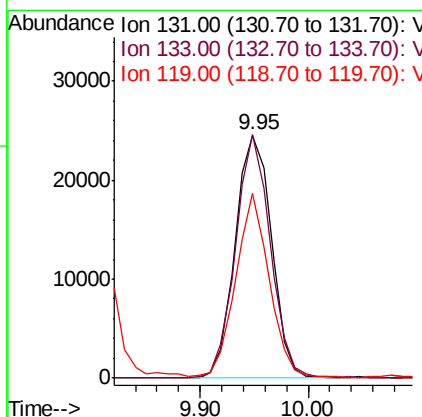
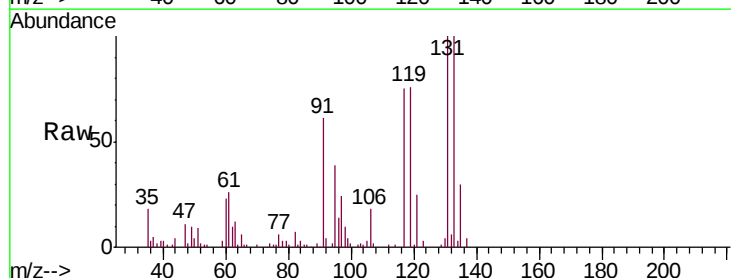
Instrument :
MSVOA_F
ClientSampleId :
VF0109SBSD01

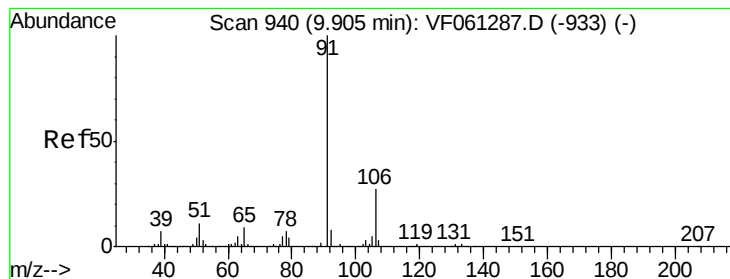
Tgt Ion:112 Resp: 142042
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 22.850 ug/l
RT: 9.95 min Scan# 945
Delta R.T. 0.00 min
Lab File: VF061296.D
Acq: 9 Jan 2019 12:50

Tgt Ion:131 Resp: 57495
Ion Ratio Lower Upper
131 100
133 100.4 49.9 149.6
119 76.2 33.9 101.6





#67

Ethyl Benzene

Concen: 23.300 ug/l

RT: 9.92 min Scan# 942

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

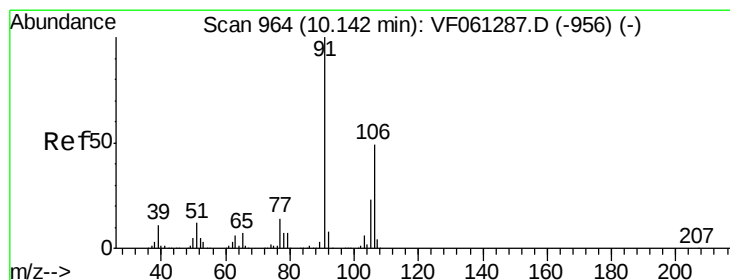
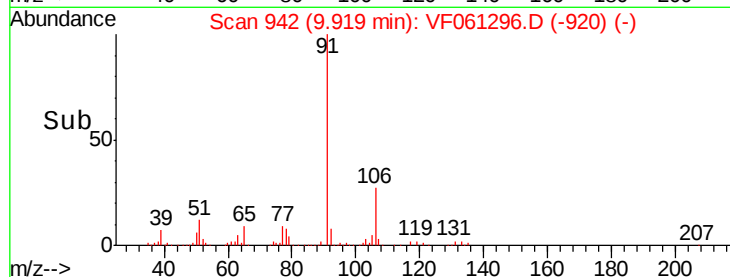
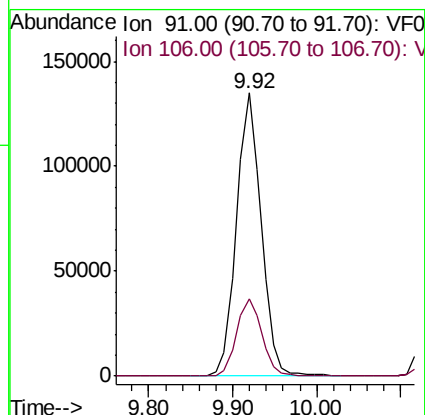
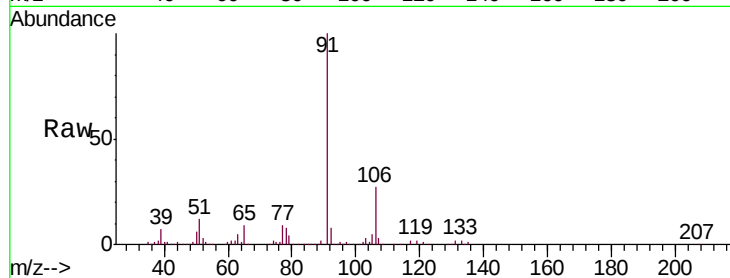
VF0109SBSD01

Tgt Ion: 91 Resp: 277021

Ion Ratio Lower Upper

91 100

106 27.5 21.4 32.2



#68

m/p-Xylenes

Concen: 47.981 ug/l

RT: 10.16 min Scan# 966

Delta R.T. 0.01 min

Lab File: VF061296.D

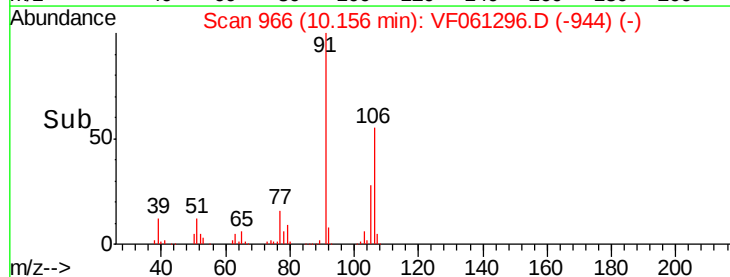
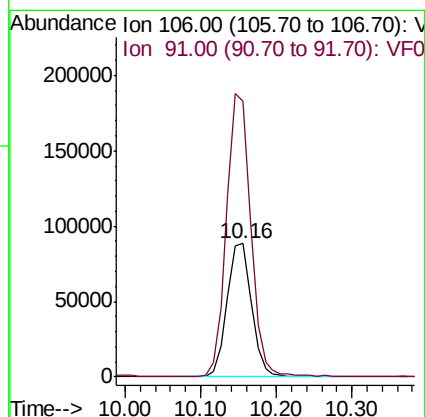
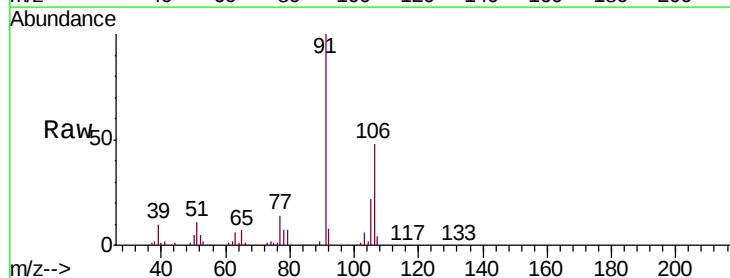
Acq: 9 Jan 2019 12:50

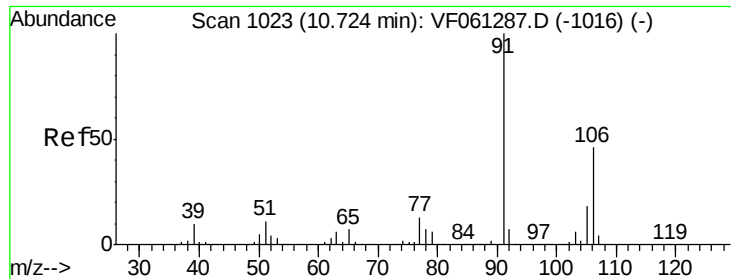
Tgt Ion: 106 Resp: 198993

Ion Ratio Lower Upper

106 100

91 207.2 165.0 247.6

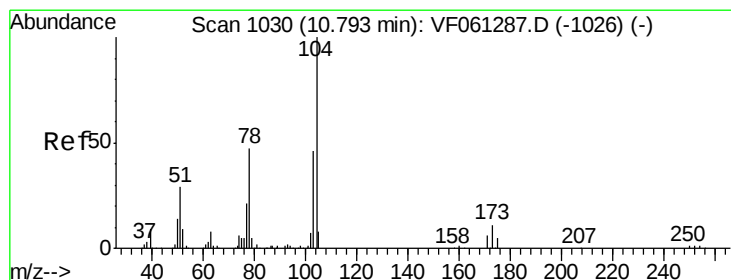
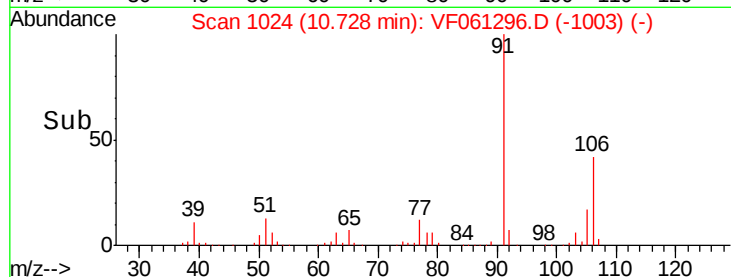
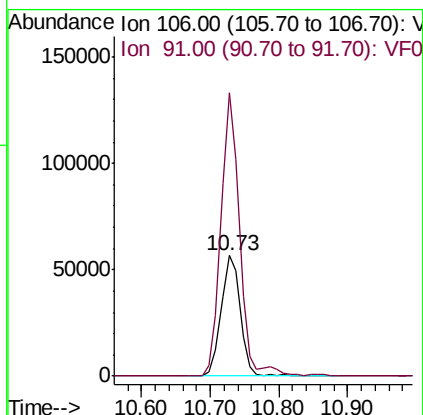
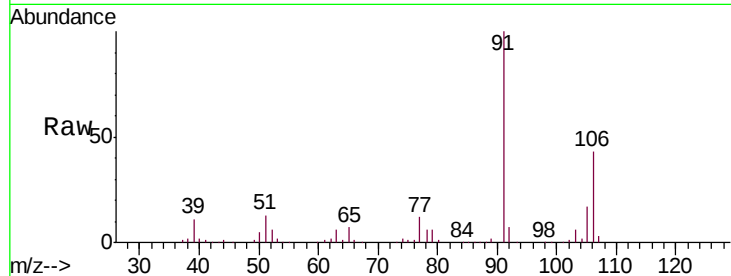




#69
o-Xylene
Concen: 23.762 ug/l
RT: 10.73 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VF061296.D
Acq: 9 Jan 2019 12:50

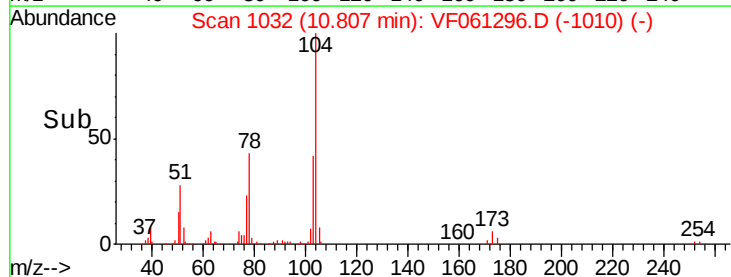
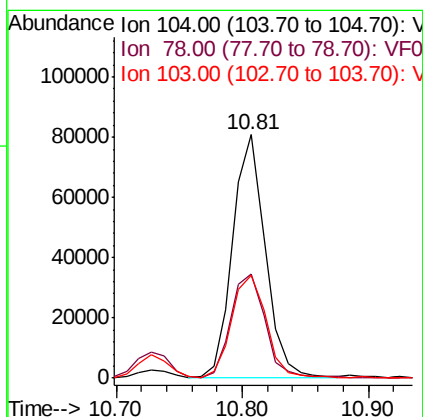
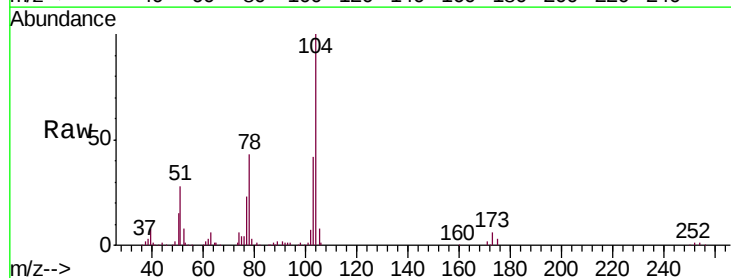
Instrument :
MSVOA_F
ClientSampleId :
VF0109SBSD01

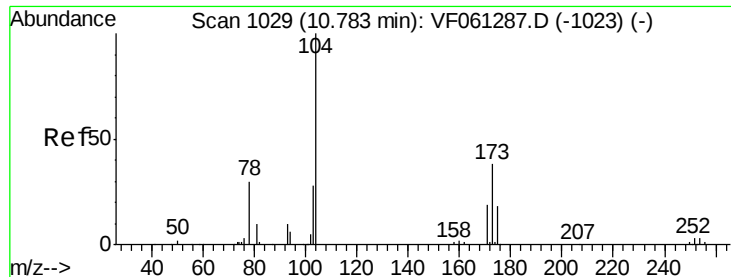
Tgt Ion:106 Resp: 110084
Ion Ratio Lower Upper
106 100
91 234.8 108.1 324.4



#70
Styrene
Concen: 23.167 ug/l
RT: 10.81 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VF061296.D
Acq: 9 Jan 2019 12:50

Tgt Ion:104 Resp: 142979
Ion Ratio Lower Upper
104 100
78 42.6 38.0 57.0
103 42.3 36.7 55.1





#71

Bromoform

Concen: 24.594 ug/l

RT: 10.79 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBSD01

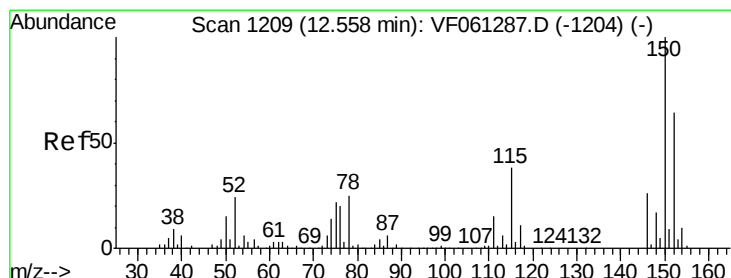
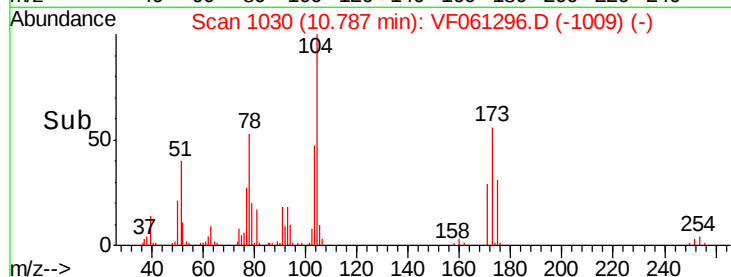
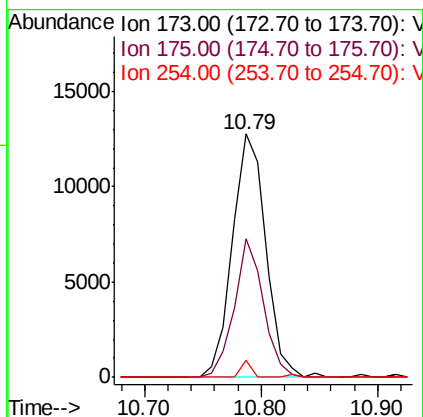
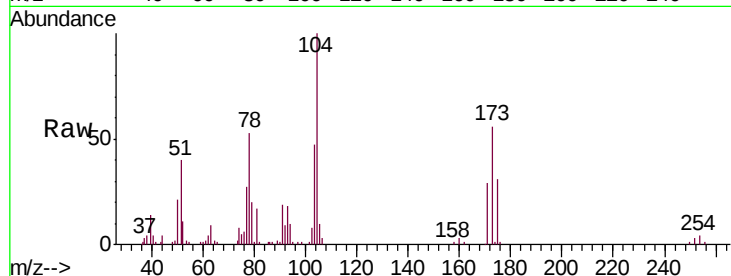
Tgt Ion:173 Resp: 25290

Ion Ratio Lower Upper

173 100

175 56.8 24.1 72.2

254 6.8 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

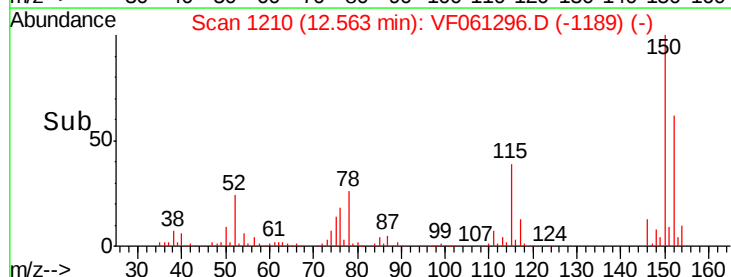
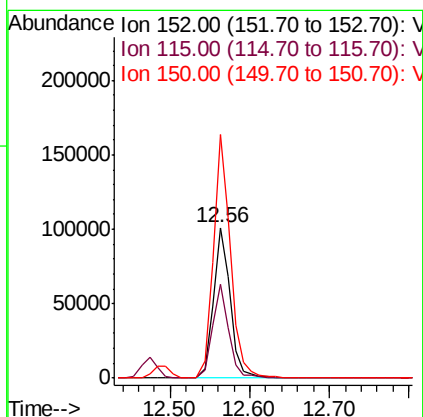
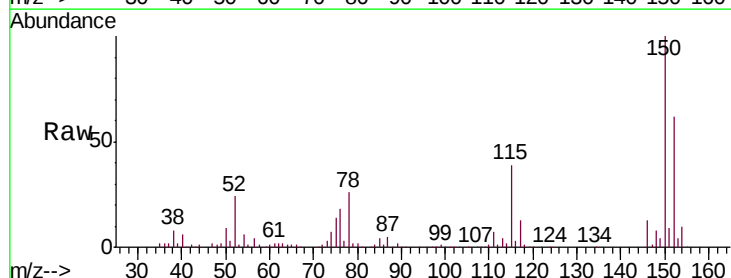
Tgt Ion:152 Resp: 150948

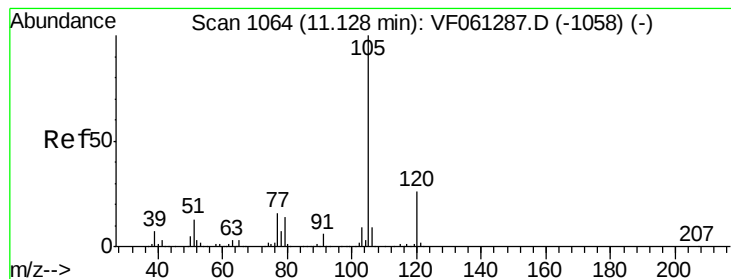
Ion Ratio Lower Upper

152 100

115 62.7 29.6 88.9

150 161.9 0.0 315.4





#73

Isopropylbenzene

Concen: 23.501 ug/l

RT: 11.14 min Scan# 1066

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

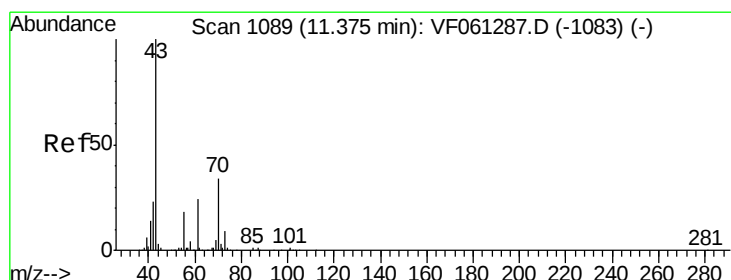
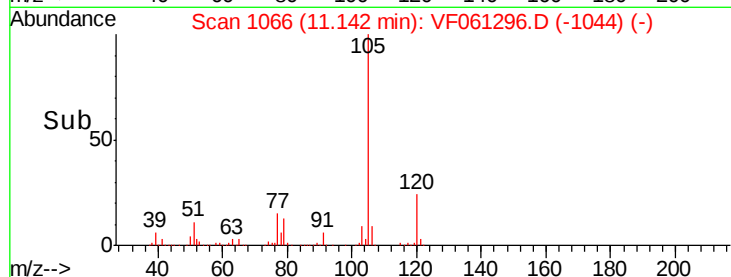
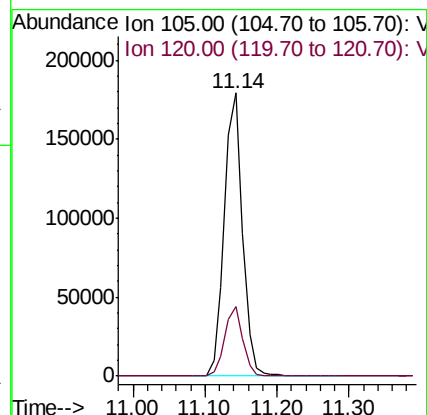
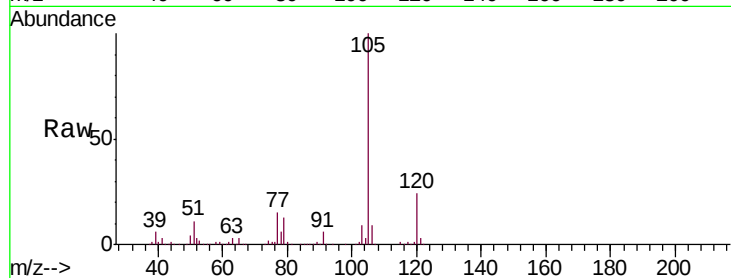
VF0109SBS01

Tgt Ion:105 Resp: 312154

Ion Ratio Lower Upper

105 100

120 24.4 12.9 38.7



#74

N-ethyl acetate

Concen: 26.016 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Tgt Ion: 43 Resp: 78551

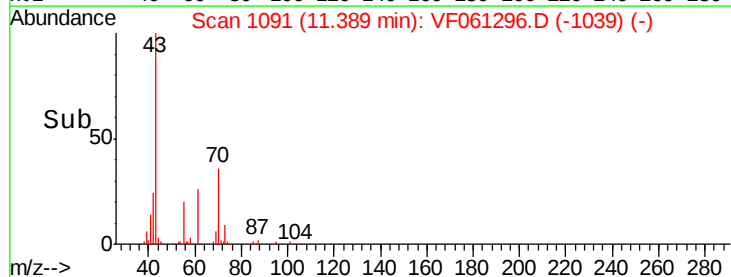
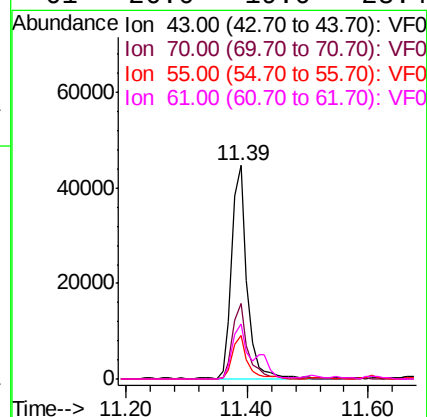
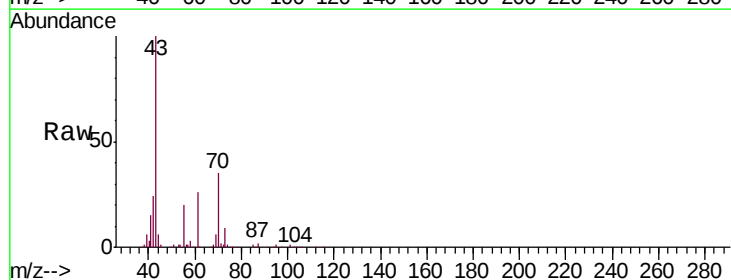
Ion Ratio Lower Upper

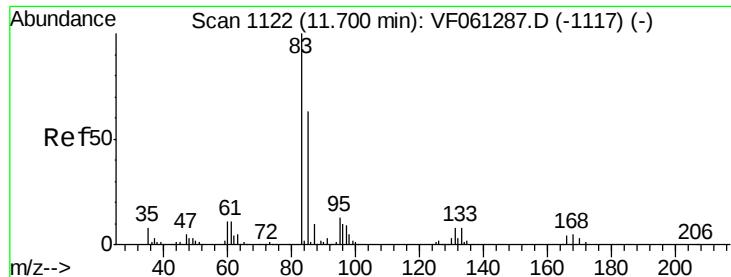
43 100

70 35.4 27.4 41.0

55 20.2 14.7 22.1

61 26.0 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 23.506 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

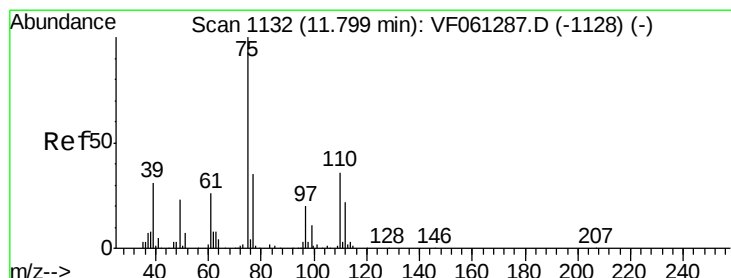
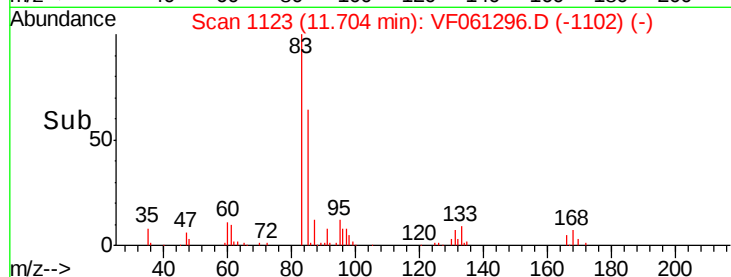
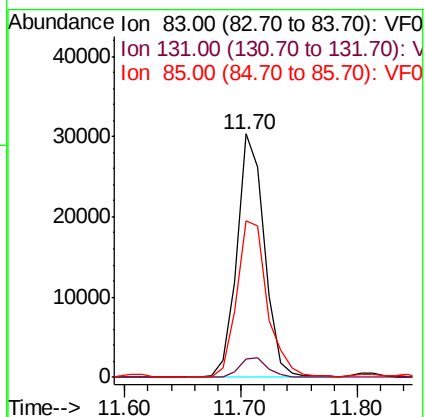
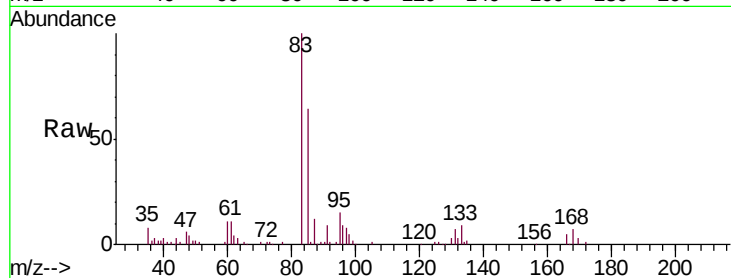
MSVOA_F

ClientSampleId :

VF0109SBSD01

Tgt Ion: 83 Resp: 49505

Ion	Ratio	Lower	Upper
83	100		
131	7.4	3.9	11.7
85	64.3	31.6	94.7



#76

1,2,3-Trichloropropane

Concen: 23.038 ug/l

RT: 11.80 min Scan# 1133

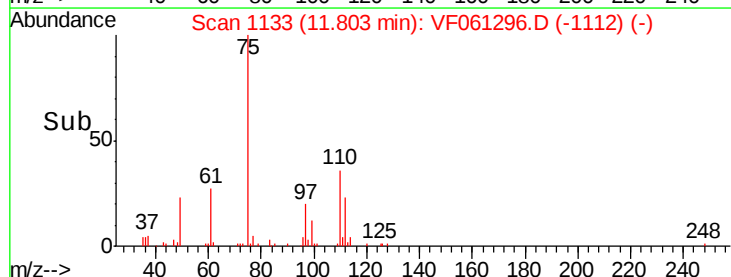
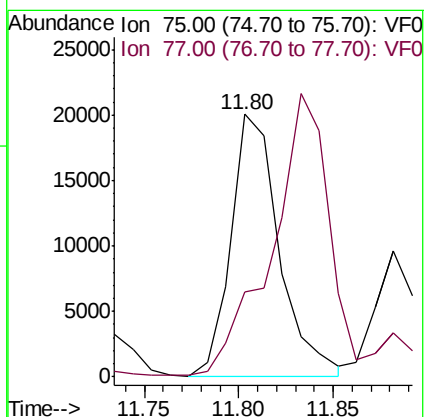
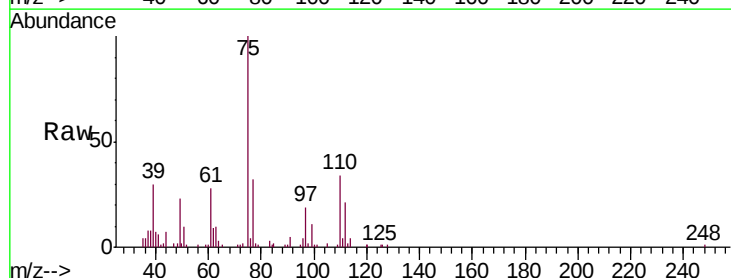
Delta R.T. 0.00 min

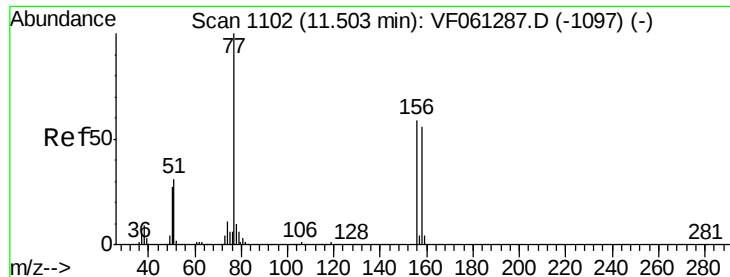
Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Tgt Ion: 75 Resp: 35585

Ion	Ratio	Lower	Upper
75	100		
77	32.3	17.5	52.5





#77

Bromobenzene

Concen: 23.501 ug/l

RT: 11.51 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBSD01

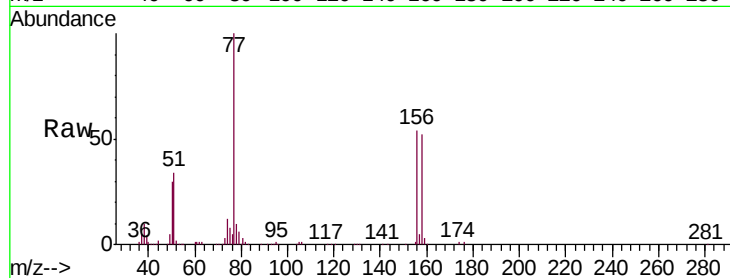
Tgt Ion:156 Resp: 62102

Ion Ratio Lower Upper

156 100

77 183.8 84.3 252.9

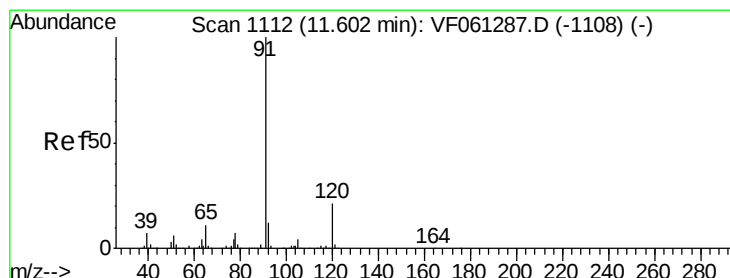
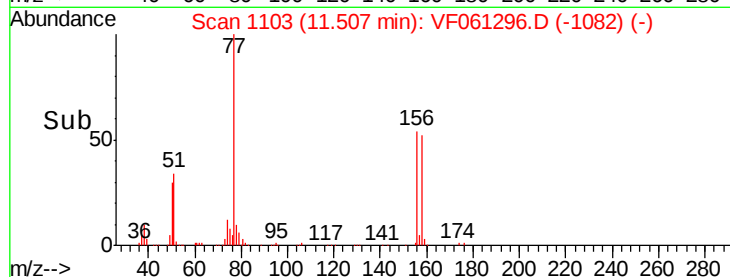
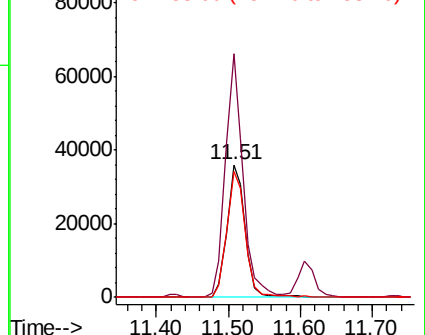
158 95.1 47.1 141.3



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 24.707 ug/l

RT: 11.61 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF061296.D

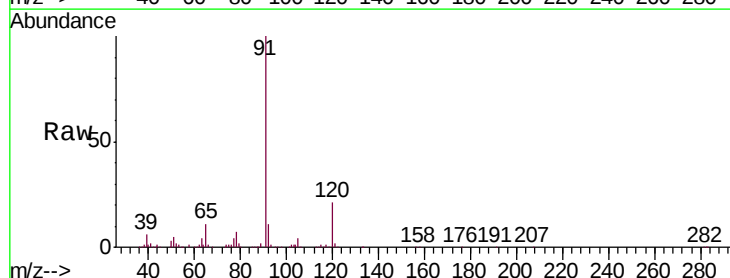
Acq: 9 Jan 2019 12:50

Tgt Ion: 91 Resp: 391279

Ion Ratio Lower Upper

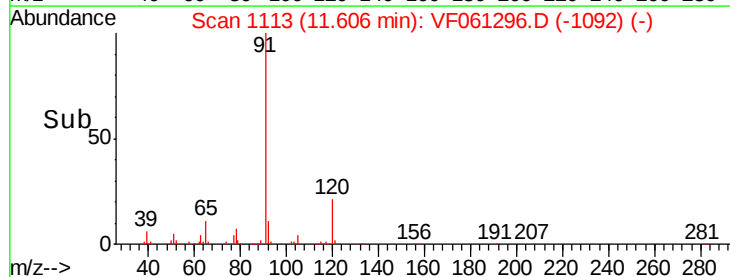
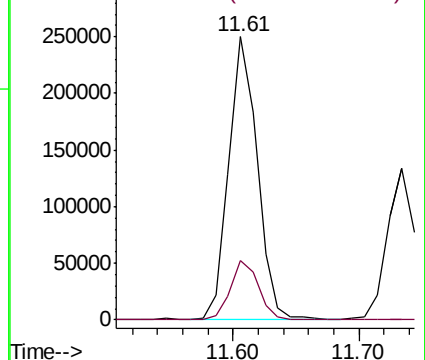
91 100

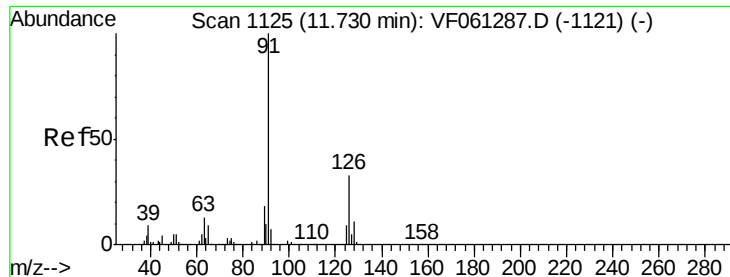
120 20.8 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.343 ug/l

RT: 11.73 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

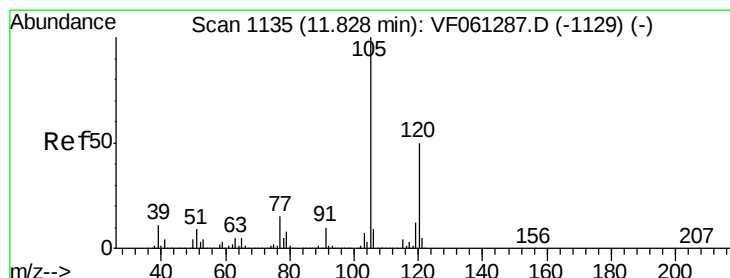
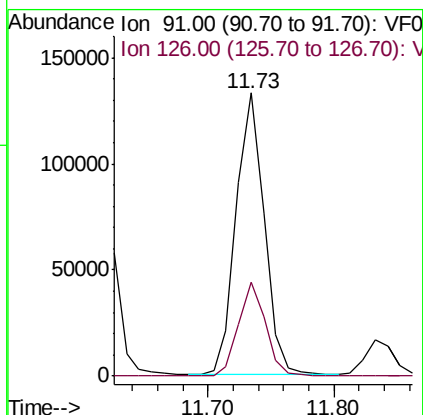
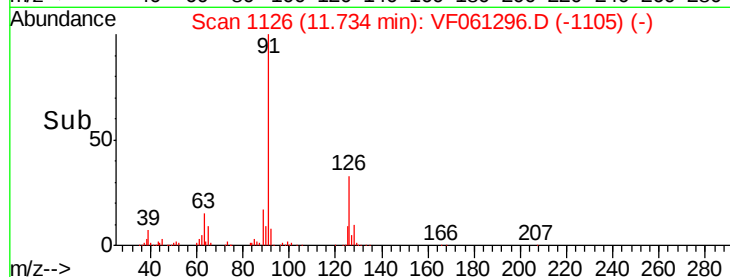
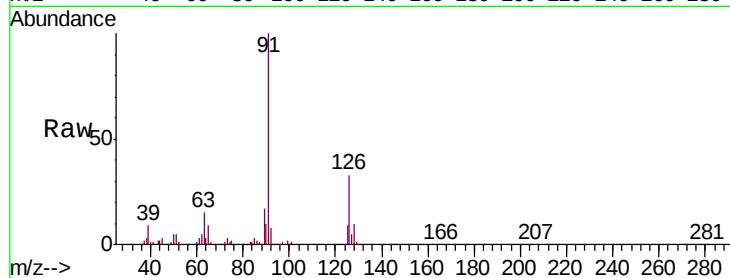
VF0109SBSD01

Tgt Ion: 91 Resp: 205964

Ion Ratio Lower Upper

91 100

126 33.2 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 23.858 ug/l

RT: 11.83 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VF061296.D

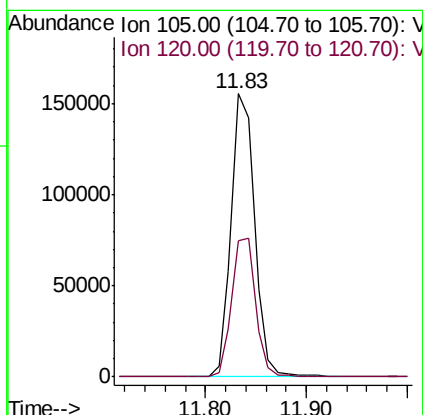
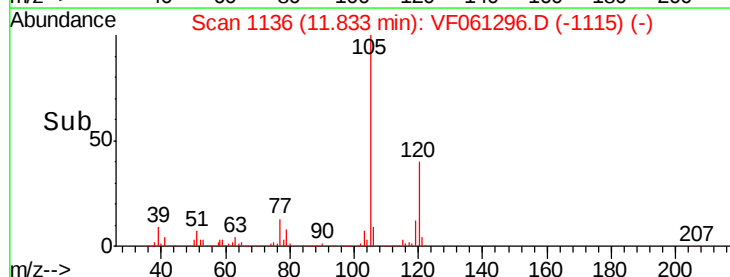
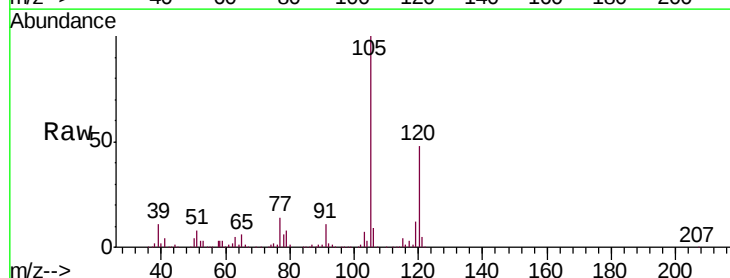
Acq: 9 Jan 2019 12:50

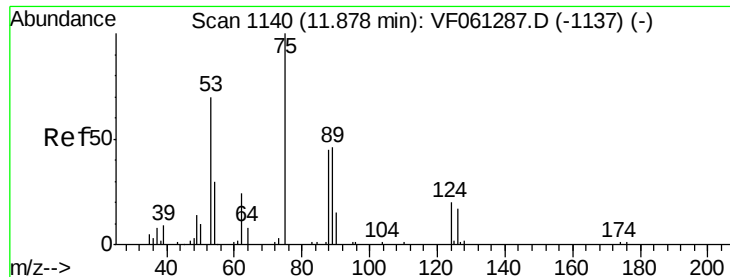
Tgt Ion: 105 Resp: 252153

Ion Ratio Lower Upper

105 100

120 48.0 25.2 75.6

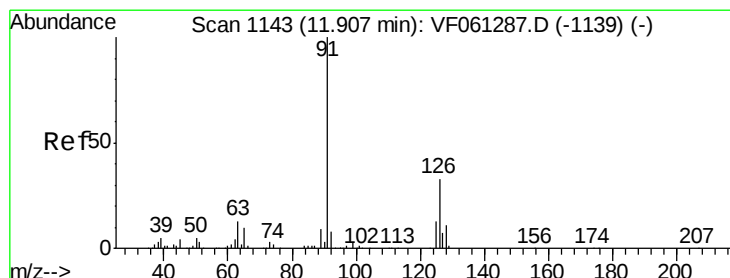
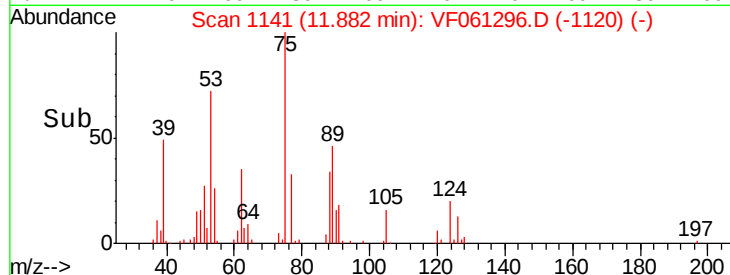
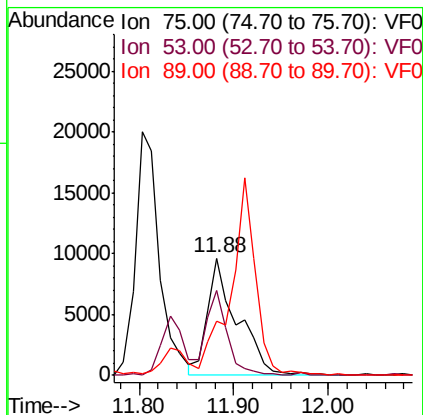
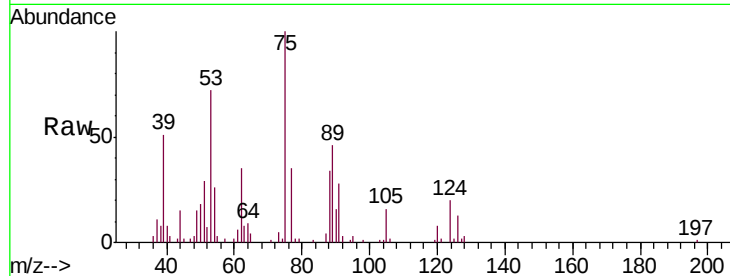




#81
trans-1,4-Dichloro-2-butene
Concen: 31.893 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VF061296.D
Acq: 9 Jan 2019 12:50

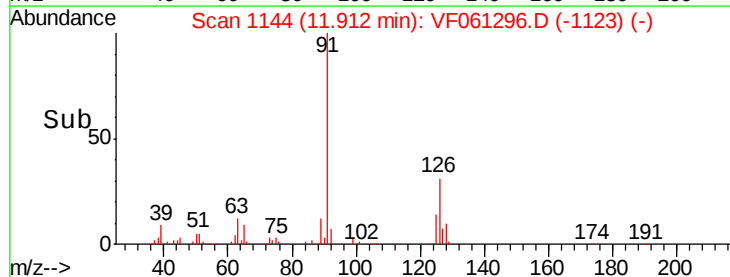
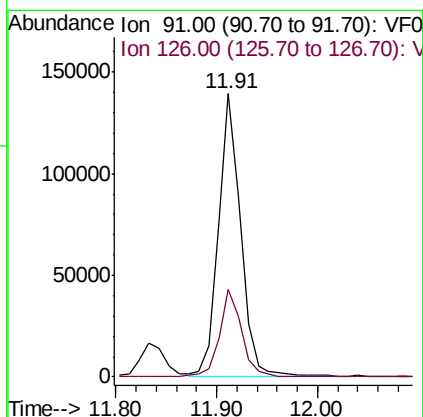
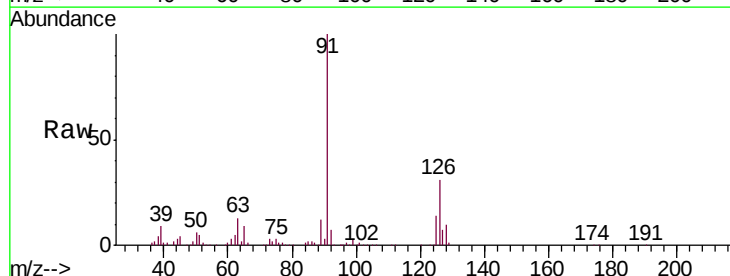
Instrument :
MSVOA_F
ClientSampleId :
VF0109SBSD01

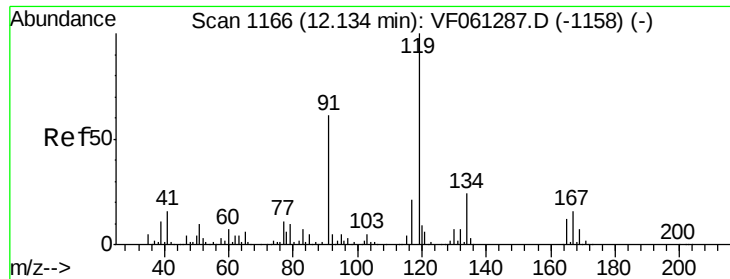
Tgt Ion: 75 Resp: 21528
Ion Ratio Lower Upper
75 100
53 72.2 62.2 93.2
89 46.0 40.2 60.4



#82
4-Chlorotoluene
Concen: 23.783 ug/l
RT: 11.91 min Scan# 1144
Delta R.T. 0.00 min
Lab File: VF061296.D
Acq: 9 Jan 2019 12:50

Tgt Ion: 91 Resp: 213232
Ion Ratio Lower Upper
91 100
126 30.8 16.4 49.4

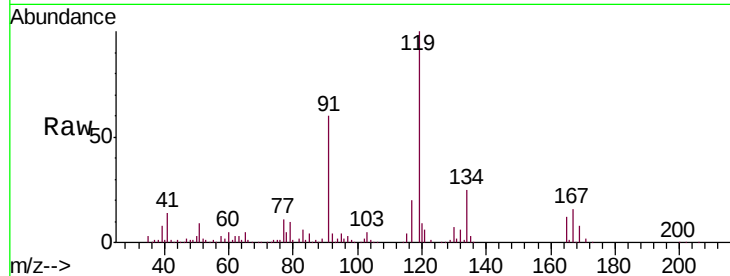




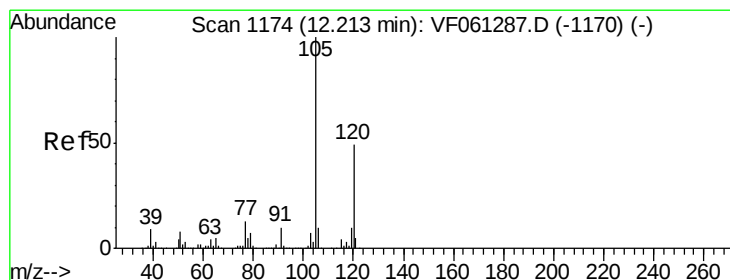
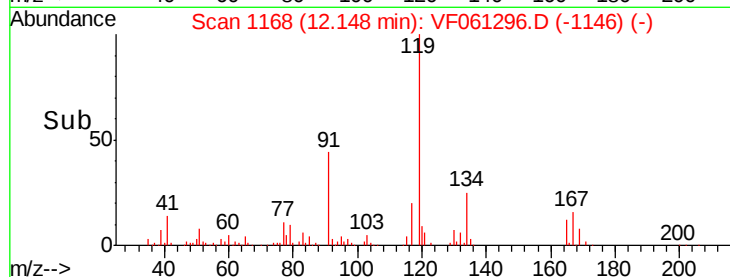
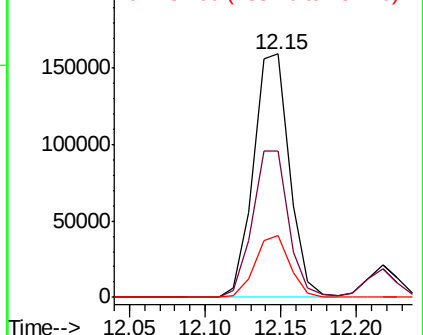
#83
 tert-Butylbenzene
 Concen: 25.364 ug/l
 RT: 12.15 min Scan# 1168
 Delta R.T. 0.01 min
 Lab File: VF061296.D
 Acq: 9 Jan 2019 12:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0109SBS01

Tgt Ion:119 Resp: 267081
 Ion Ratio Lower Upper
 119 100
 91 60.1 30.8 92.4
 134 25.3 11.9 35.9

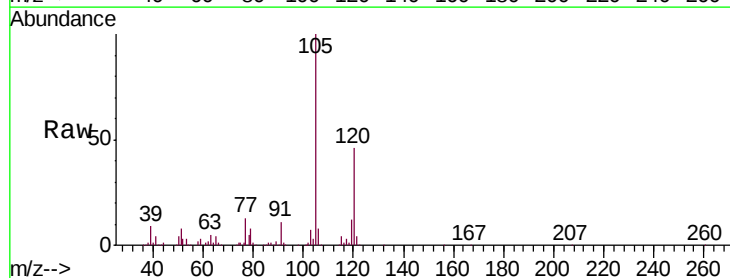


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

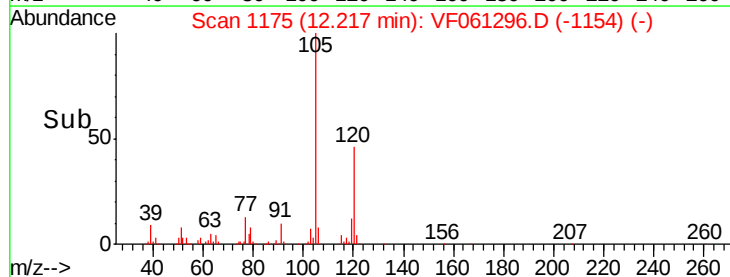
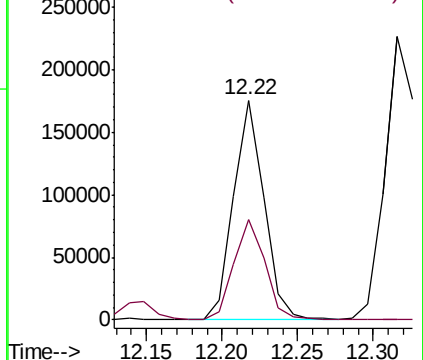


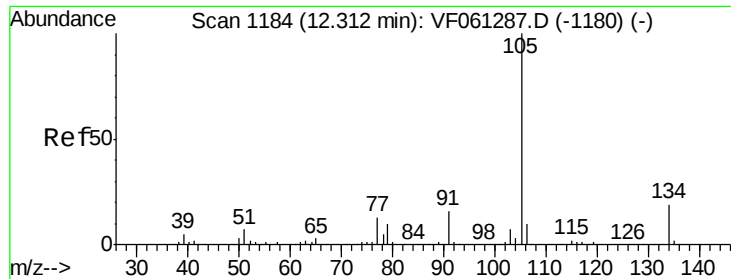
#84
 1,2,4-Trimethylbenzene
 Concen: 23.476 ug/l
 RT: 12.22 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VF061296.D
 Acq: 9 Jan 2019 12:50

Tgt Ion:105 Resp: 246342
 Ion Ratio Lower Upper
 105 100
 120 45.9 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

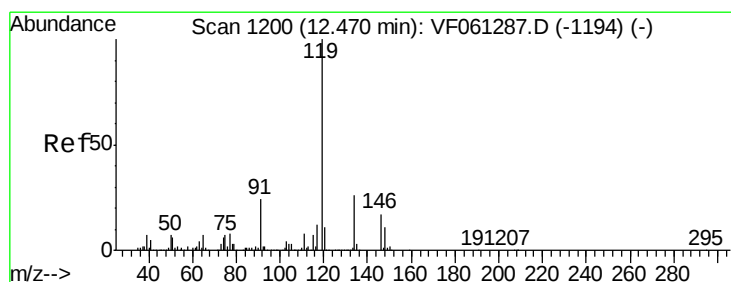
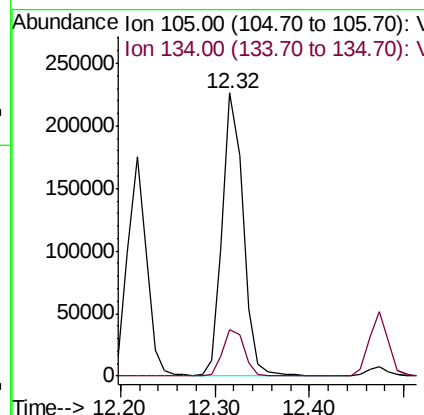
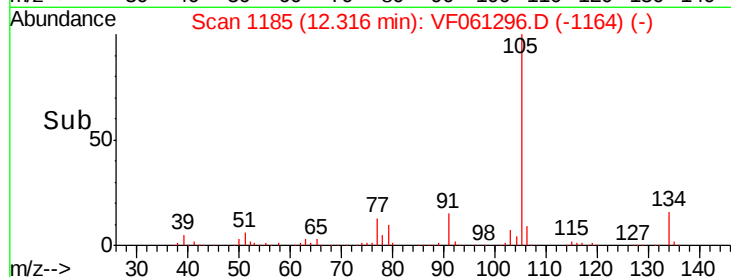
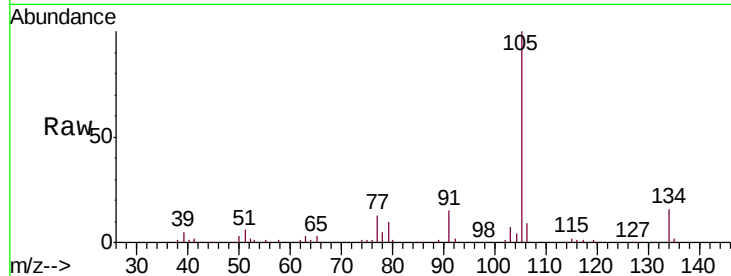




#85
 sec-Butylbenzene
 Concen: 23.063 ug/l
 RT: 12.32 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF061296.D
 Acq: 9 Jan 2019 12:50

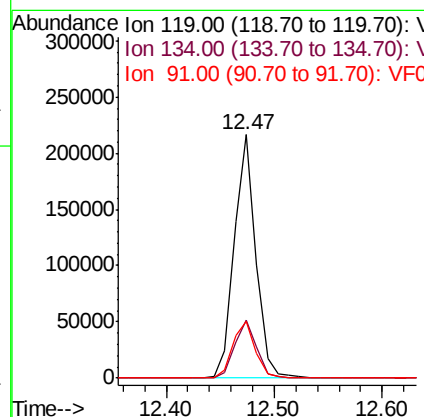
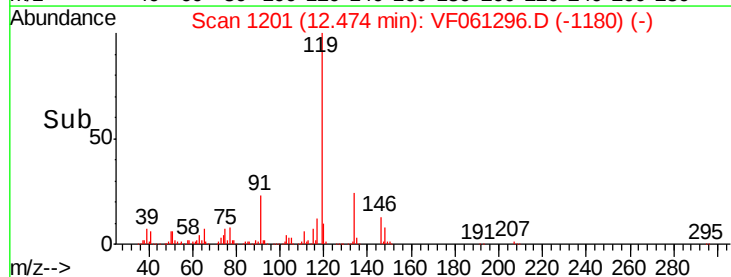
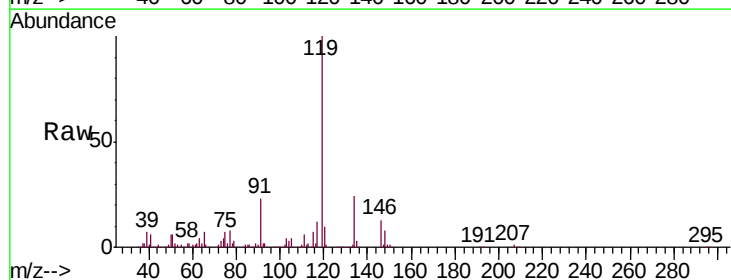
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0109SBSD01

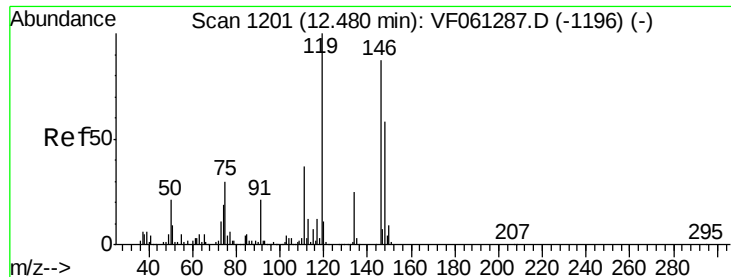
Tgt Ion:105 Resp: 345792
 Ion Ratio Lower Upper
 105 100
 134 16.5 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 24.687 ug/l
 RT: 12.47 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF061296.D
 Acq: 9 Jan 2019 12:50

Tgt Ion:119 Resp: 301059
 Ion Ratio Lower Upper
 119 100
 134 23.7 13.0 39.0
 91 23.1 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 24.265 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBSD01

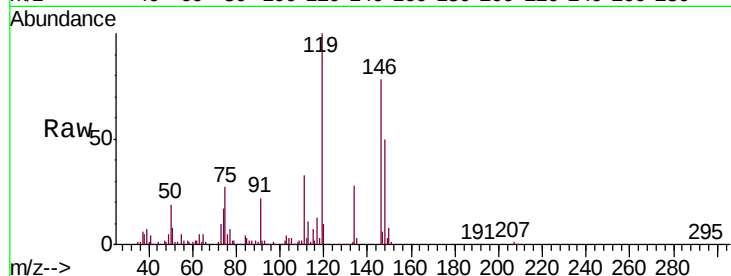
Tgt Ion:146 Resp: 125216

Ion Ratio Lower Upper

146 100

111 42.4 21.1 63.3

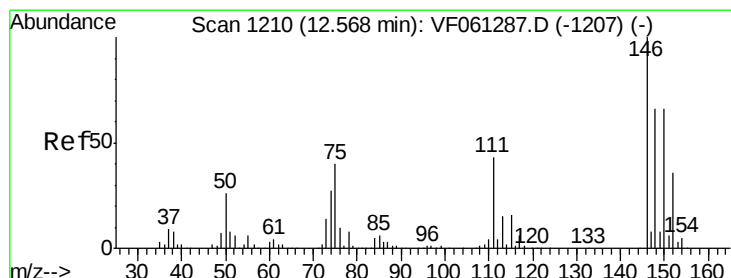
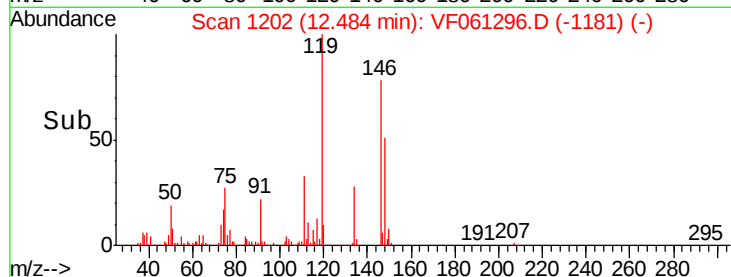
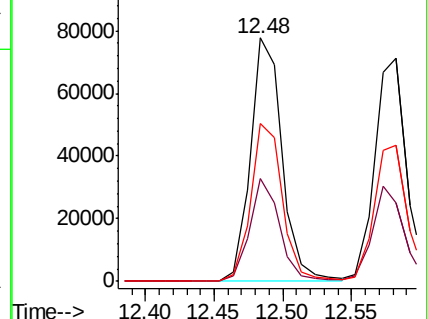
148 65.0 33.1 99.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 23.569 ug/l

RT: 12.58 min Scan# 1212

Delta R.T. 0.01 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

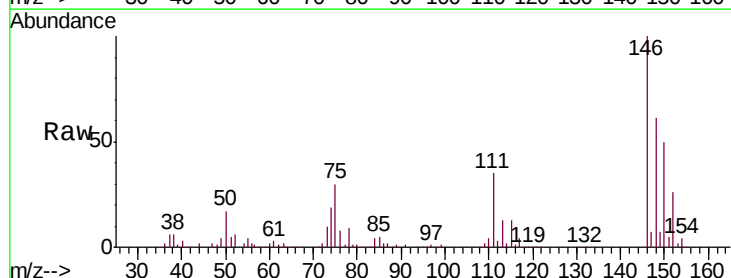
Tgt Ion:146 Resp: 116930

Ion Ratio Lower Upper

146 100

111 35.2 21.4 64.2

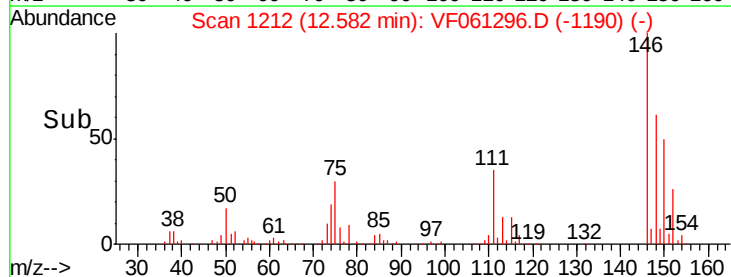
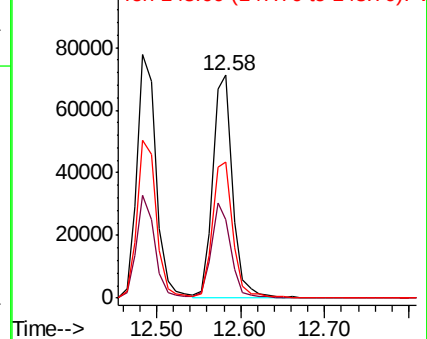
148 61.3 33.0 98.9

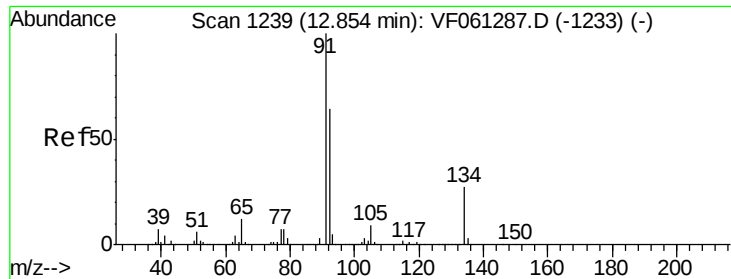


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

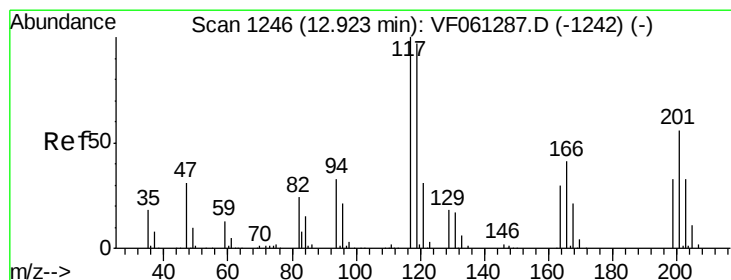
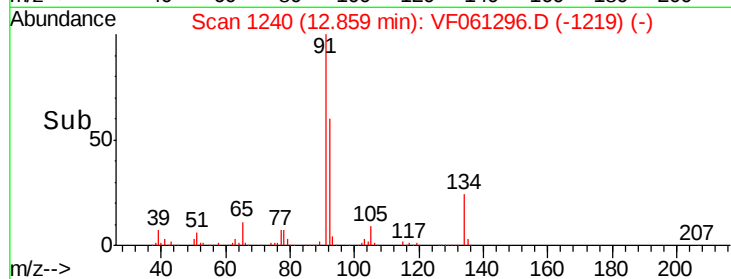
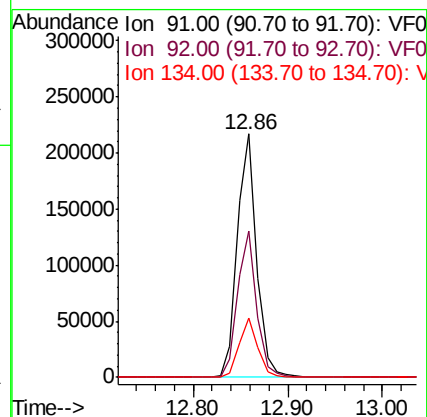
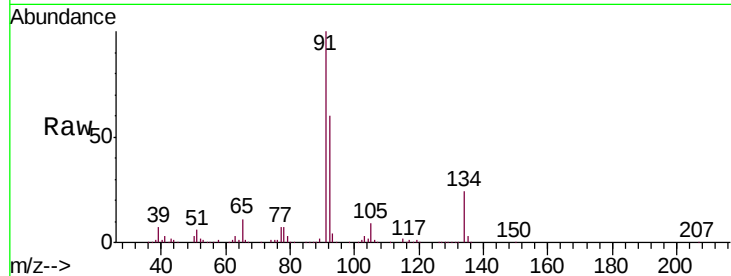




#89
n-Butylbenzene
Concen: 24.683 ug/l
RT: 12.86 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VF061296.D
Acq: 9 Jan 2019 12:50

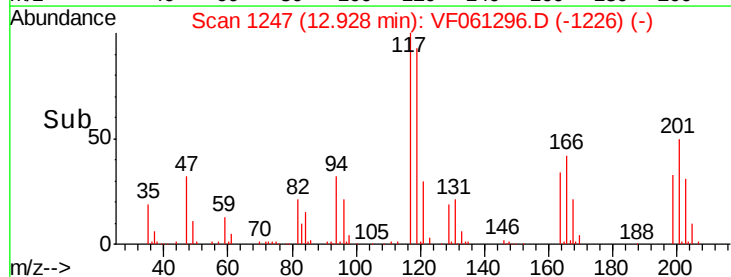
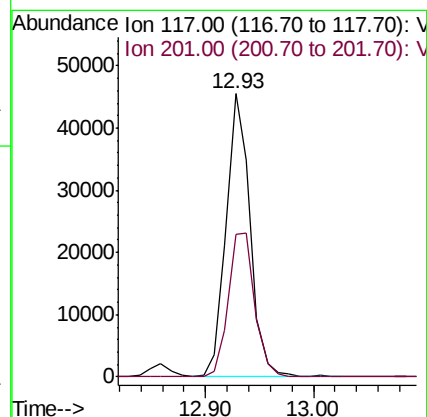
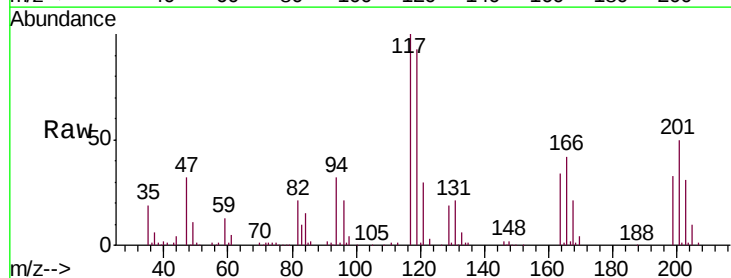
Instrument :
MSVOA_F
ClientSampleId :
VF0109SBSD01

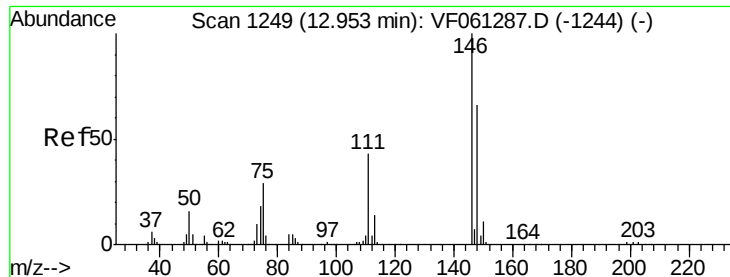
Tgt Ion: 91 Resp: 309280
Ion Ratio Lower Upper
91 100
92 60.1 32.1 96.3
134 24.4 13.4 40.1



#90
Hexachloroethane
Concen: 25.147 ug/l
RT: 12.93 min Scan# 1247
Delta R.T. 0.00 min
Lab File: VF061296.D
Acq: 9 Jan 2019 12:50

Tgt Ion: 117 Resp: 70151
Ion Ratio Lower Upper
117 100
201 51.7 27.9 83.7





#91

1,2-Dichlorobenzene

Concen: 24.521 ug/l

RT: 12.96 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0109SBS01

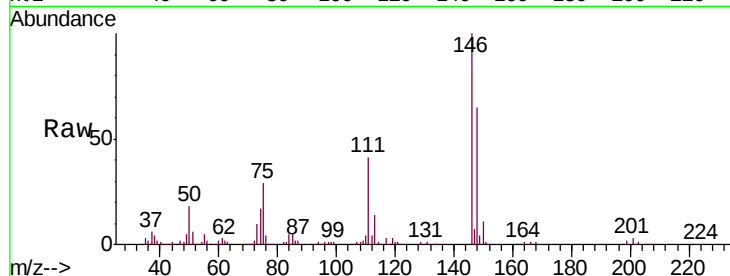
Tgt Ion: 146 Resp: 120782

Ion Ratio Lower Upper

146 100

111 41.3 21.4 64.3

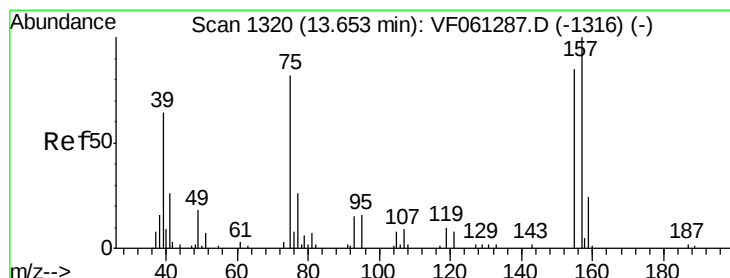
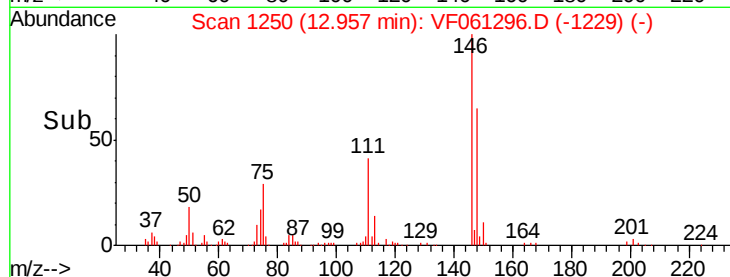
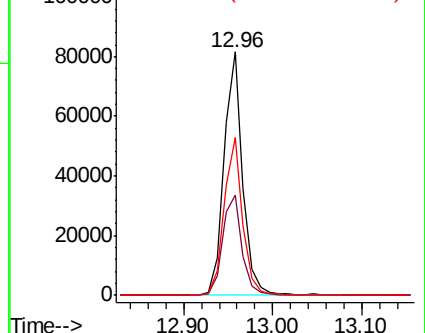
148 65.1 33.1 99.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 24.724 ug/l

RT: 13.66 min Scan# 1321

Delta R.T. 0.00 min

Lab File: VF061296.D

Acq: 9 Jan 2019 12:50

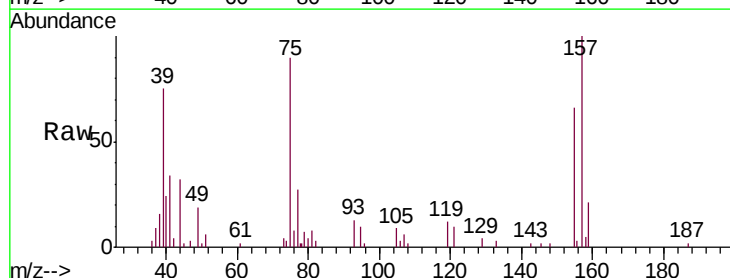
Tgt Ion: 75 Resp: 8798

Ion Ratio Lower Upper

75 100

155 73.3 51.3 154.0

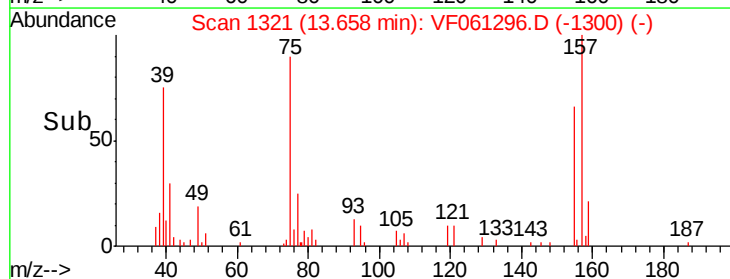
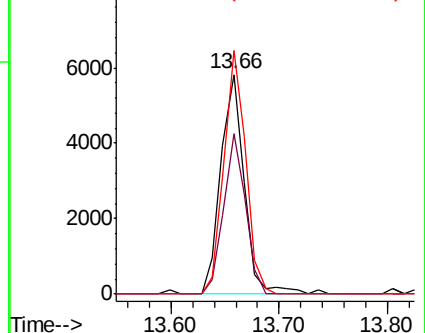
157 110.8 60.7 182.0

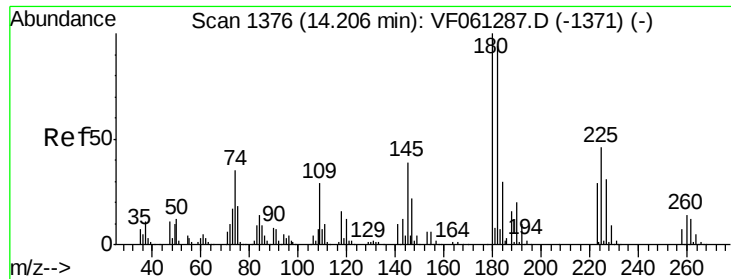


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

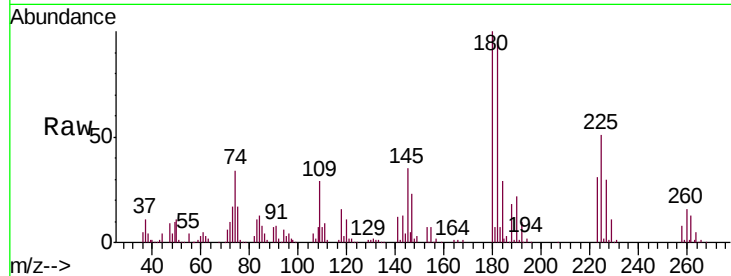




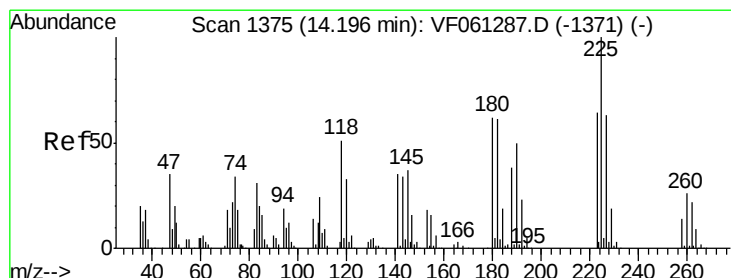
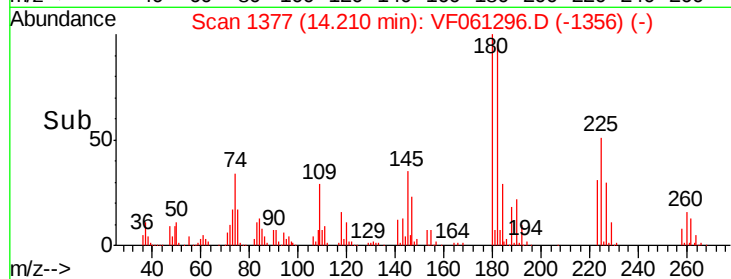
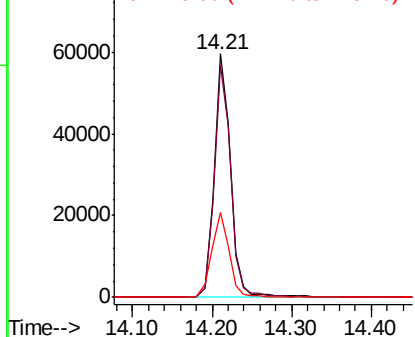
#93
 1,2,4-Trichlorobenzene
 Concen: 25.477 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF061296.D
 Acq: 9 Jan 2019 12:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0109SBSD01

Tgt Ion:180 Resp: 86356
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.0 141.2
 145 35.1 19.7 59.1

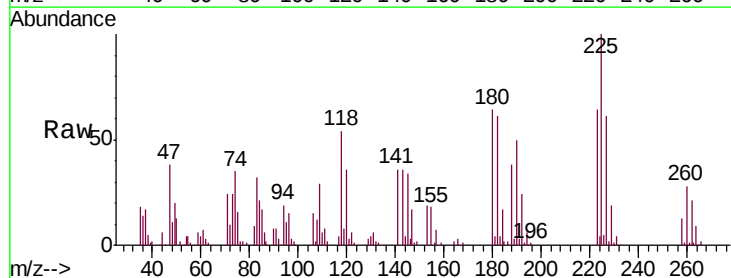


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

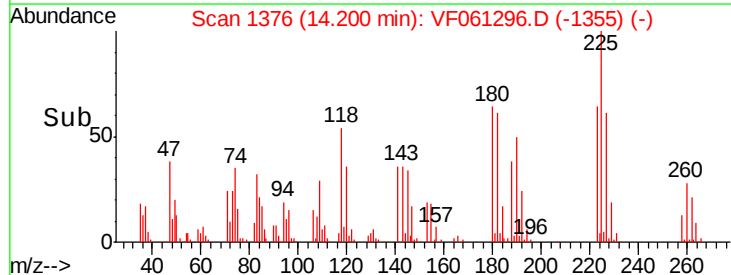
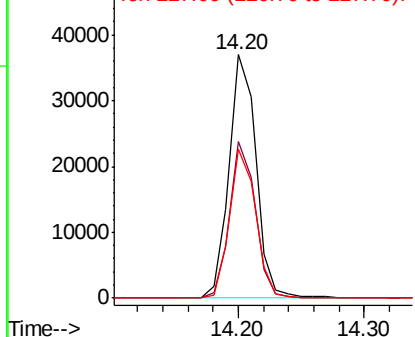


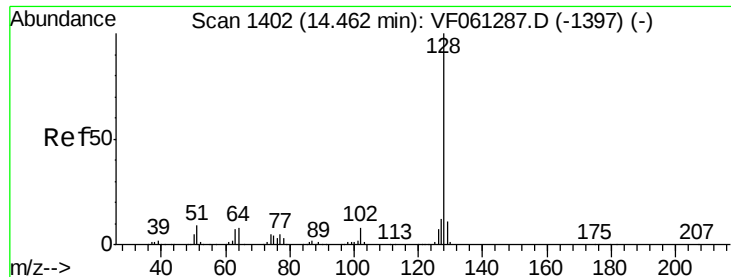
#94
 Hexachlorobutadiene
 Concen: 25.002 ug/l
 RT: 14.20 min Scan# 1376
 Delta R.T. 0.00 min
 Lab File: VF061296.D
 Acq: 9 Jan 2019 12:50

Tgt Ion:225 Resp: 54556
 Ion Ratio Lower Upper
 225 100
 223 64.1 31.8 95.4
 227 61.4 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

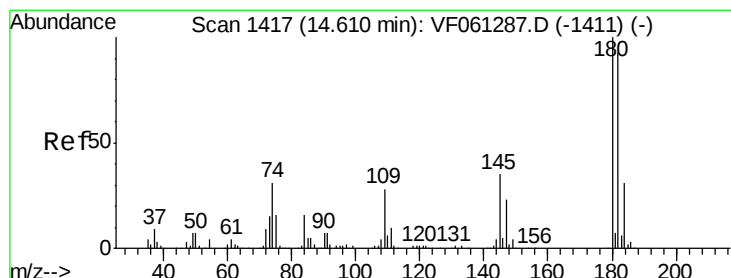
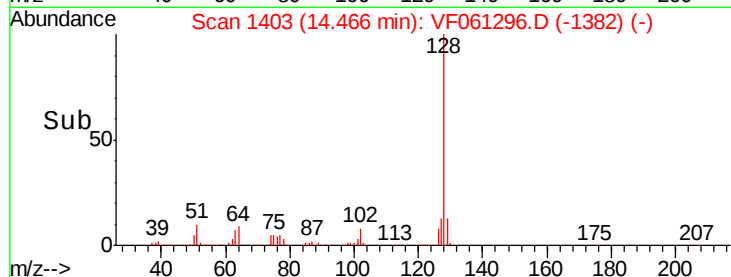
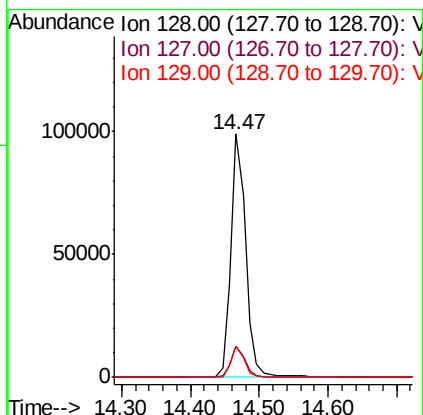
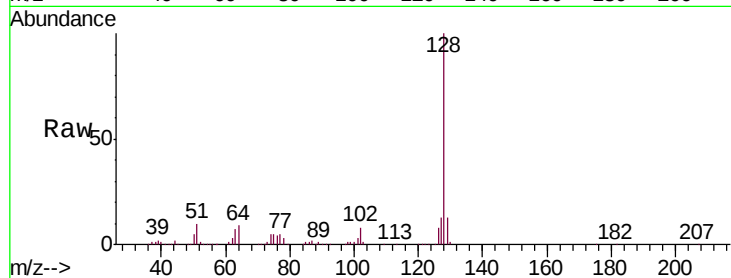




#95
Naphthalene
Concen: 23.190 ug/l
RT: 14.47 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VF061296.D
Acq: 9 Jan 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0109SBS01

Tgt Ion:128 Resp: 148126
Ion Ratio Lower Upper
128 100
127 12.5 9.4 14.0
129 12.7 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 22.815 ug/l
RT: 14.61 min Scan# 1418
Delta R.T. 0.00 min
Lab File: VF061296.D
Acq: 9 Jan 2019 12:50

Tgt Ion:180 Resp: 72846
Ion Ratio Lower Upper
180 100
182 97.9 46.5 139.3
145 36.0 17.5 52.6

