

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101218\
 Data File : VX005296.D
 Acq On : 12 Oct 2018 16:31
 Operator : JC/MD
 Sample : J5164-07 2.5ppb
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Quant Time: Oct 13 02:34:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	245310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	385270	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	329769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177385	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	151901	55.79	ug/l	-0.01
Spiked Amount			Recovery	=	111.58%	
35) Dibromofluoromethane	5.51	113	122682	48.08	ug/l	0.00
Spiked Amount			Recovery	=	96.16%	
50) Toluene-d8	8.71	98	425690	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
62) 4-Bromofluorobenzene	11.14	95	149707	45.49	ug/l	0.00
Spiked Amount			Recovery	=	90.98%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	4362	2.274	ug/l	98
3) Chloromethane	1.32	50	7428	2.673	ug/l	99
4) Vinyl Chloride	1.40	62	7141	2.536	ug/l	97
5) Bromomethane	1.64	94	5185	3.807	ug/l	99
6) Chloroethane	1.72	64	4537	2.807	ug/l	96
7) Trichlorofluoromethane	1.92	101	10274	2.735	ug/l	99
8) Diethyl Ether	2.19	74	4335	2.702	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.38	101	6158	2.840	ug/l	97
10) Methyl Iodide	2.51	142	4107	4.130	ug/l #	89
11) Tert butyl alcohol	3.07	59	11144	14.511	ug/l #	91
12) 1,1-Dichloroethene	2.37	96	6191	2.882	ug/l	91
13) Acrolein	2.29	56	8874	16.084	ug/l	96
14) Allyl chloride	2.73	41	12660	2.684	ug/l	96
15) Acrylonitrile	3.15	53	24102	13.849	ug/l	97
16) Acetone	2.45	43	22410	14.236	ug/l	98
17) Carbon Disulfide	2.57	76	17184	2.640	ug/l	98
18) Methyl Acetate	2.78	43	13594	3.035	ug/l	96
19) Methyl tert-butyl Ether	3.21	73	20577	2.719	ug/l	98
20) Methylene Chloride	2.86	84	7440	1.987	ug/l #	80
21) trans-1,2-Dichloroethene	3.16	96	6510	2.734	ug/l	96
22) Diisopropyl ether	3.87	45	19457	2.456	ug/l	97
23) Vinyl Acetate	3.82	43	86733	12.525	ug/l	96
24) 1,1-Dichloroethane	3.69	63	12283	2.705	ug/l	96
25) 2-Butanone	4.70	43	30642	13.304	ug/l	92
26) 2,2-Dichloropropane	4.59	77	8348	2.458	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	6586	2.545	ug/l	70
28) Bromochloromethane	5.01	49	5682	2.745	ug/l #	94
29) Tetrahydrofuran	5.16	42	19549	13.307	ug/l	89
30) Chloroform	5.21	83	11890	2.821	ug/l	95
31) Cyclohexane	5.57	56	9452	2.526	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	9970	2.719	ug/l	99
36) 1,1-Dichloropropene	5.79	75	8387	2.248	ug/l	96
37) Ethyl Acetate	4.86	43	10174	2.120	ug/l	96
38) Carbon Tetrachloride	5.79	117	9326	2.487	ug/l #	83

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	8058	1.995	ug/l	89
40) Benzene	6.14	78	25108	2.243	ug/l #	87
41) Methacrylonitrile	5.06	41	6033	2.345	ug/l	93
42) 1,2-Dichloroethane	6.20	62	9970	2.523	ug/l	96
43) Isopropyl Acetate	6.46	43	14642	2.291	ug/l #	97
44) Trichloroethene	7.21	130	7488	2.023	ug/l	100
45) 1,2-Dichloropropane	7.51	63	6566	2.391	ug/l	96
46) Dibromomethane	7.66	93	4283	2.363	ug/l	98
47) Bromodichloromethane	7.90	83	7726	2.305	ug/l	95
48) Methyl methacrylate	7.77	41	7226	2.180	ug/l	91
49) 1,4-Dioxane	7.76	88	3476	45.458	ug/l #	84
51) 4-Methyl-2-Pentanone	8.65	43	48302	10.913	ug/l	93
52) Toluene	8.79	92	15570	2.543	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	7707	2.125	ug/l	91
54) cis-1,3-Dichloropropene	8.44	75	8340	2.122	ug/l	96
55) 1,1,2-Trichloroethane	9.22	97	6326	2.439	ug/l	98
56) Ethyl methacrylate	9.18	69	8102	2.143	ug/l	90
57) 1,3-Dichloropropane	9.37	76	10140	2.342	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	21533	10.155	ug/l	95
59) 2-Hexanone	9.50	43	37989	10.670	ug/l	88
60) Dibromochloromethane	9.59	129	6035	2.251	ug/l	97
61) 1,2-Dibromoethane	9.68	107	6432	2.363	ug/l	99
64) Tetrachloroethene	9.34	164	6947	2.617	ug/l	98
65) Chlorobenzene	10.14	112	17731	2.528	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.23	131	6133	2.453	ug/l	95
67) Ethyl Benzene	10.25	91	25952	2.276	ug/l	98
68) m/p-Xylenes	10.36	106	19522	4.411	ug/l	96
69) o-Xylene	10.70	106	9562	2.240	ug/l	98
70) Styrene	10.71	104	14377	2.048	ug/l	94
71) Bromoform	10.86	173	4874	2.182	ug/l #	98
73) Isopropylbenzene	11.02	105	24476	2.321	ug/l	100
74) N-amyl acetate	10.90	43	11649	2.290	ug/l	91
75) 1,1,2,2-Tetrachloroethane	11.27	83	10173	2.557	ug/l	98
76) 1,2,3-Trichloropropane	11.30	75	11066	3.216	ug/l	89
77) Bromobenzene	11.26	156	8007	2.656	ug/l	98
78) n-propylbenzene	11.36	91	29250	2.410	ug/l	99
79) 2-Chlorotoluene	11.42	91	18010	2.423	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	21264	2.355	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.07	75	2368	2.091	ug/l	91
82) 4-Chlorotoluene	11.51	91	21394	2.428	ug/l	99
83) tert-Butylbenzene	11.77	119	21170	2.315	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	20823	2.241	ug/l	96
85) sec-Butylbenzene	11.95	105	24703	2.283	ug/l	100
86) p-Isopropyltoluene	12.07	119	21684	2.217	ug/l	96
87) 1,3-Dichlorobenzene	12.03	146	14379	2.552	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	14563	2.527	ug/l	84
89) n-Butylbenzene	12.39	91	19724	2.221	ug/l	93
90) Hexachloroethane	12.60	117	3739	2.218	ug/l	98
91) 1,2-Dichlorobenzene	12.40	146	14548	2.530	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.00	75	2360	2.432	ug/l	93

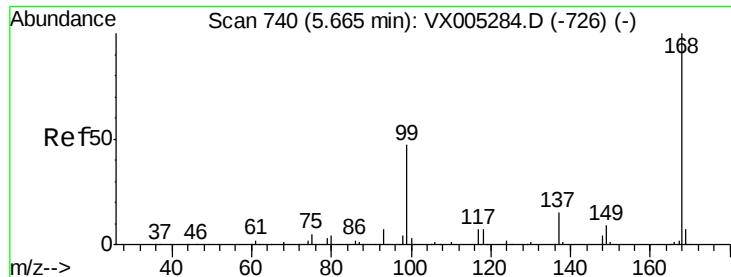
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	9645	2.287	ug/l	96
94) Hexachlorobutadiene	13.78	225	5419	2.432	ug/l	96
95) Naphthalene	13.83	128	24823	2.029	ug/l	98
96) 1,2,3-Trichlorobenzene	14.02	180	9944	2.304	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampled :

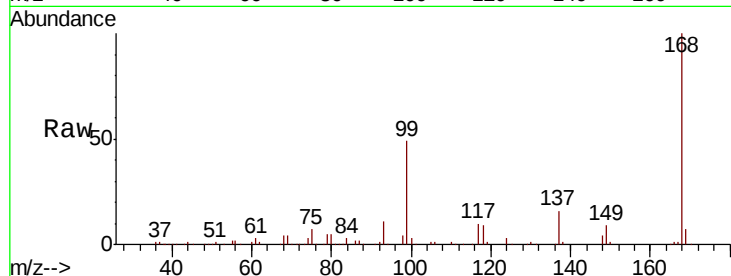
BFB

Tot Ion:168 Resp: 245310

Ion Ratio Lower Upper

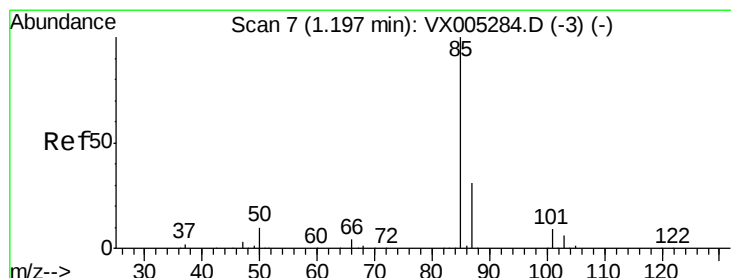
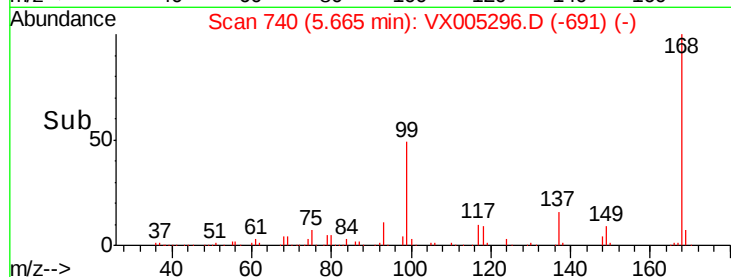
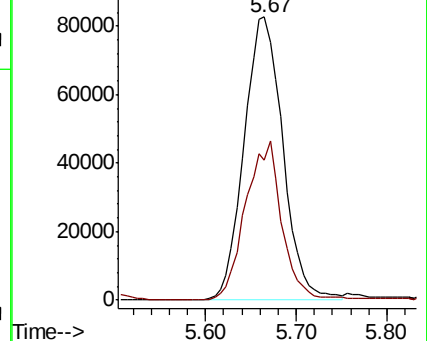
168 100

99 49.3 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 2.274 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX005296.D

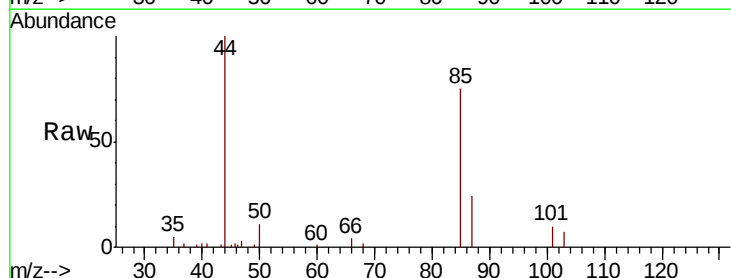
Acq: 12 Oct 2018 16:31

Tgt Ion: 85 Resp: 4362

Ion Ratio Lower Upper

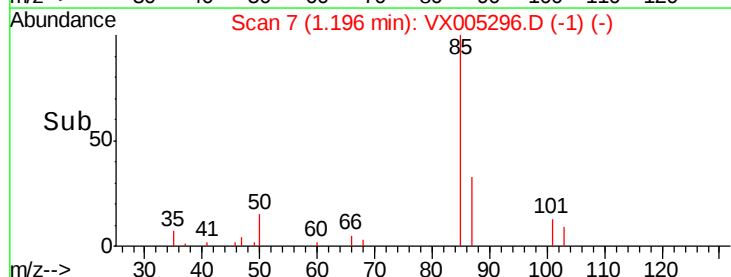
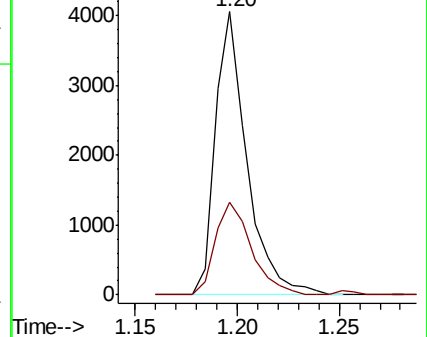
85 100

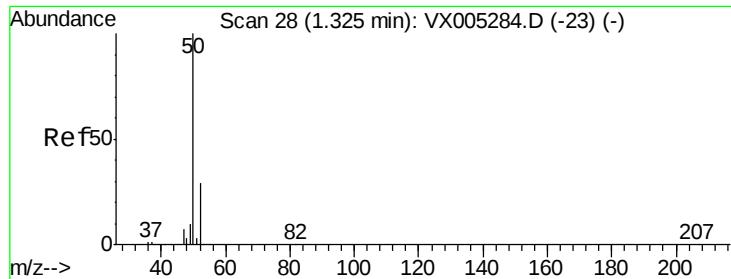
87 32.7 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 2.673 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

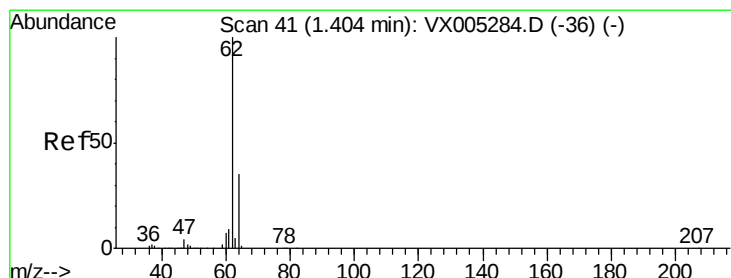
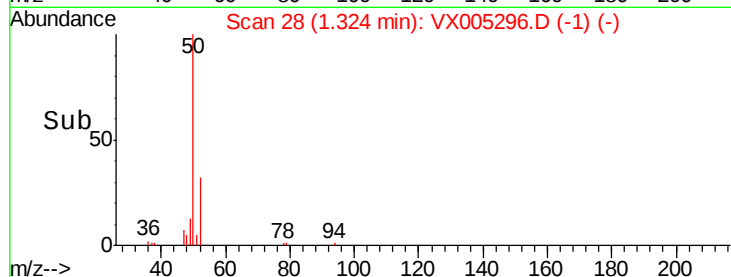
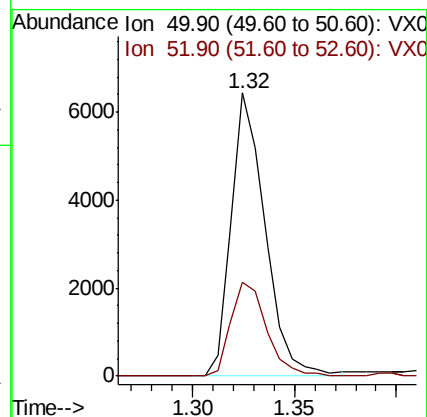
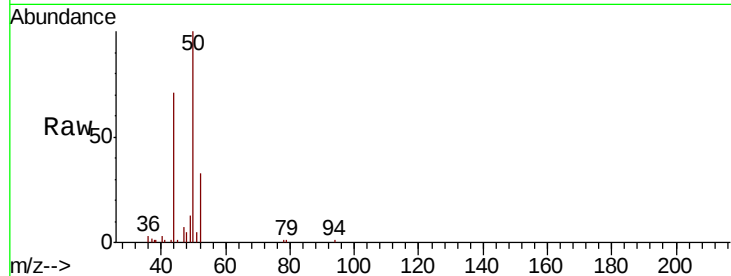
BFB

Tot Ion: 50 Resp: 7428

Ion Ratio Lower Upper

50 100

52 33.4 26.2 39.2



#4

Vinyl Chloride

Concen: 2.536 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.00 min

Lab File: VX005296.D

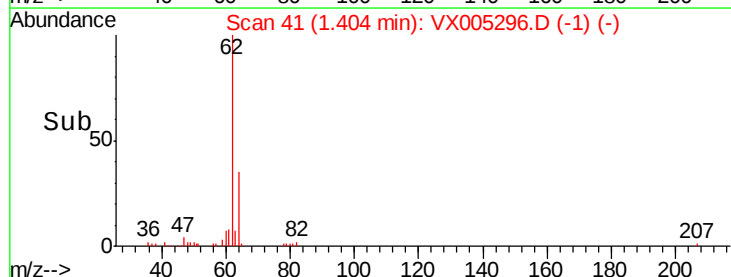
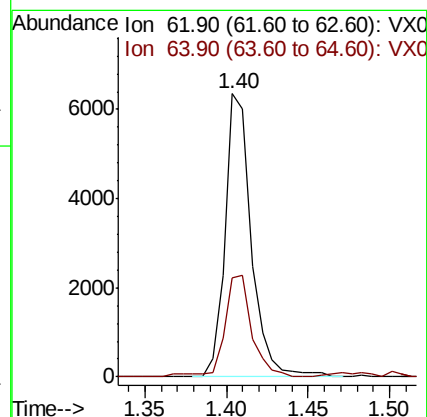
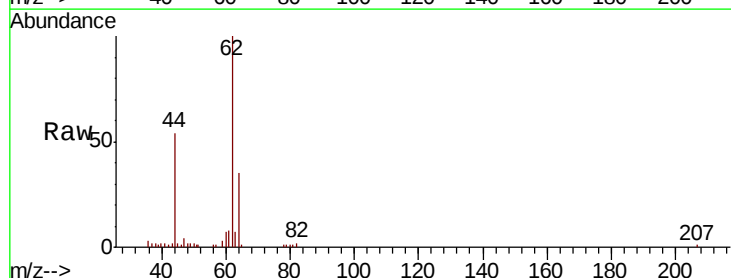
Acq: 12 Oct 2018 16:31

Tgt Ion: 62 Resp: 7141

Ion Ratio Lower Upper

62 100

64 34.0 25.8 38.8





#5

Bromomethane

Concen: 3.807 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampled :

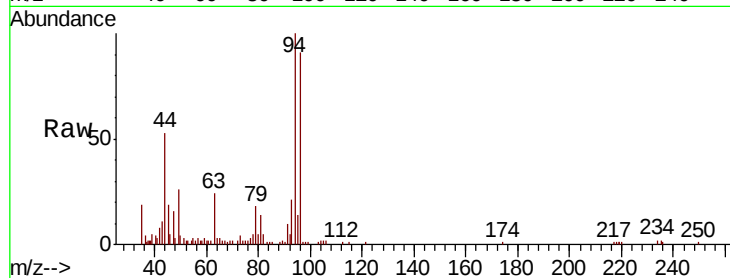
BFB

Tot Ion: 94 Resp: 5185

Ion Ratio Lower Upper

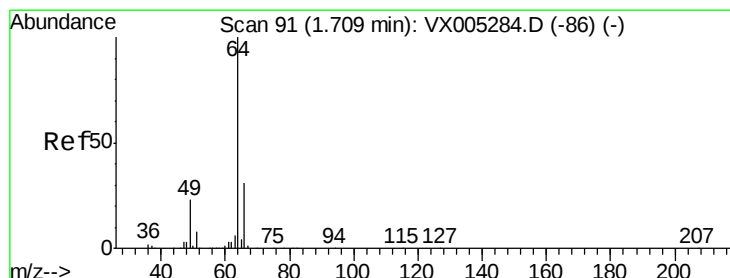
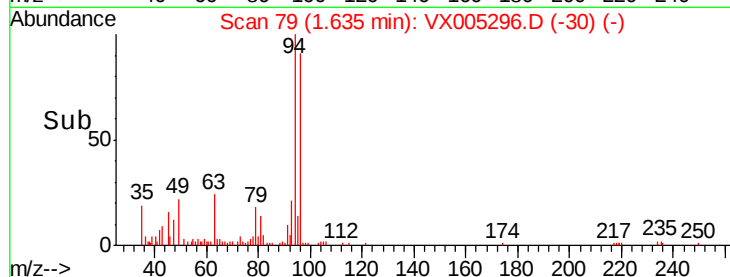
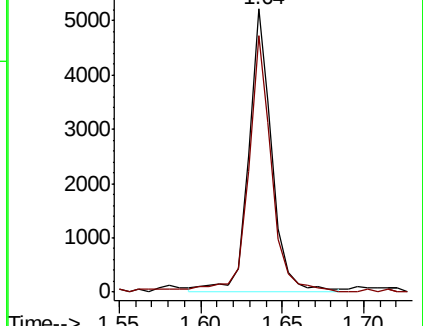
94 100

96 91.8 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX005284.D (-72) (-)

Ion 95.90 (95.60 to 96.60): VX005296.D (-30) (-)



#6

Chloroethane

Concen: 2.807 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005296.D

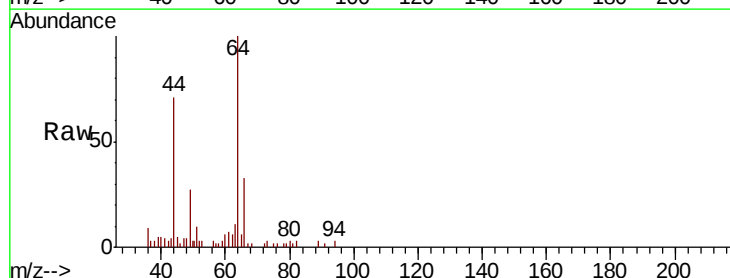
Acq: 12 Oct 2018 16:31

Tgt Ion: 64 Resp: 4537

Ion Ratio Lower Upper

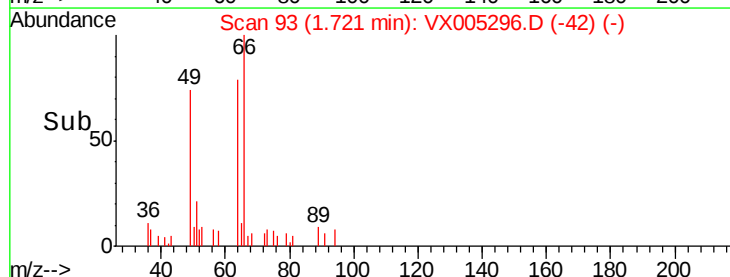
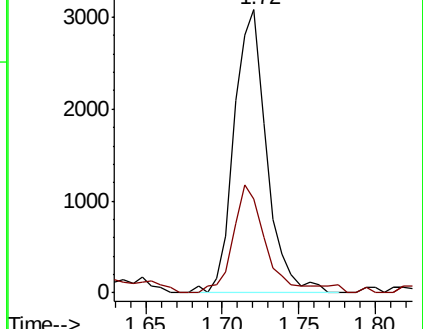
64 100

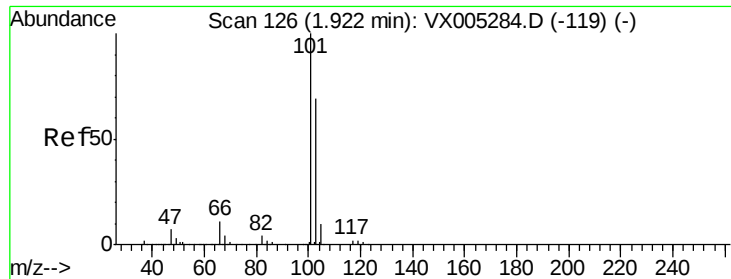
66 33.1 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX005284.D (-86) (-)

Ion 65.90 (65.60 to 66.60): VX005296.D (-42) (-)



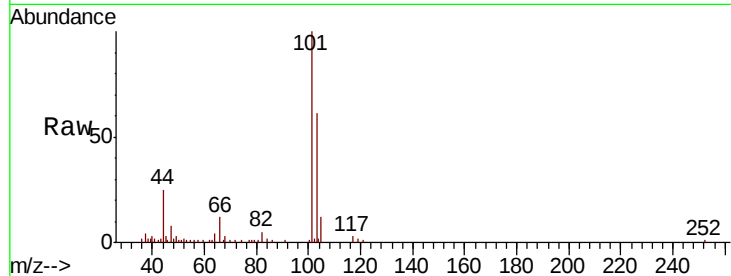


#7

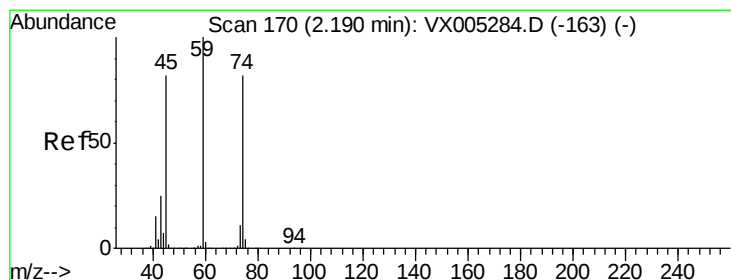
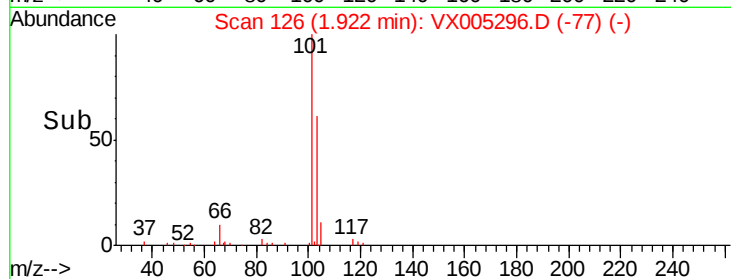
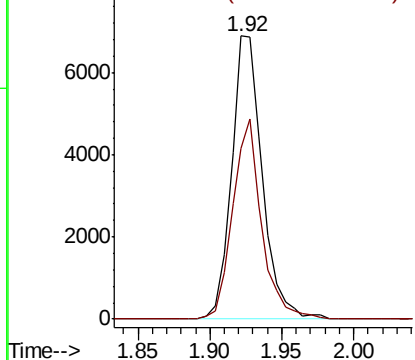
Trichlorofluoromethane
Concen: 2.735 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Instrument :
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Tot Ion:101 Resp: 10274
Ion Ratio Lower Upper
101 100
103 60.5 48.9 73.3



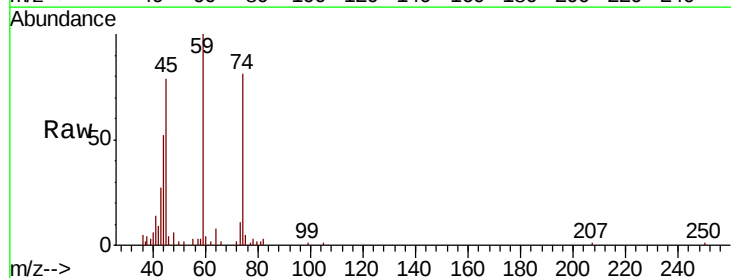
Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



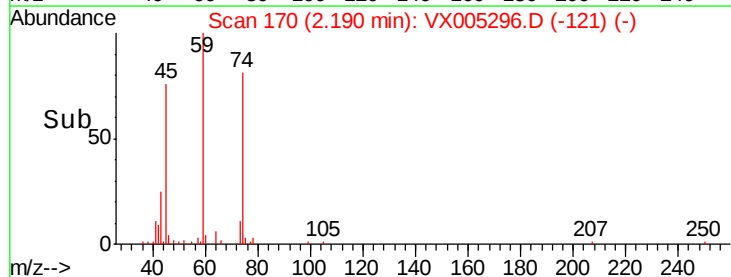
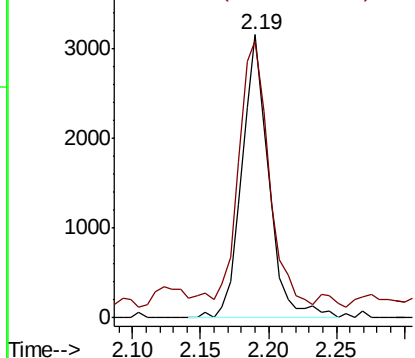
#8

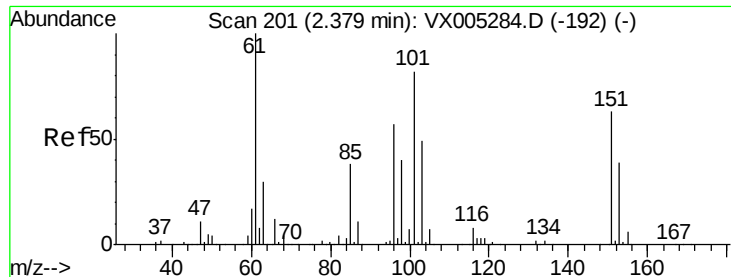
Diethyl Ether
Concen: 2.702 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Tgt Ion: 74 Resp: 4335
Ion Ratio Lower Upper
74 100
45 105.3 48.3 144.8



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.840 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

BFB

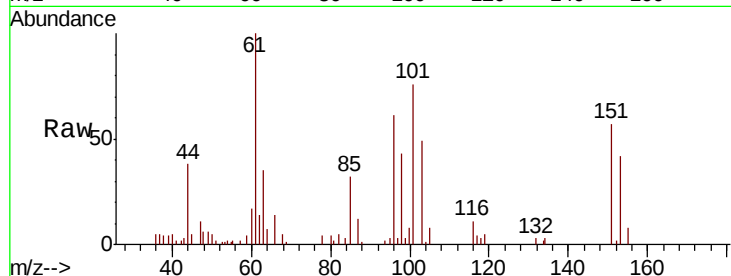
Tot Ion:101 Resp: 6158

Ion Ratio Lower Upper

101 100

85 43.8 34.2 51.4

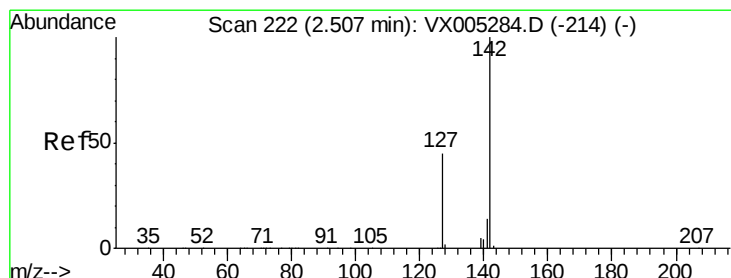
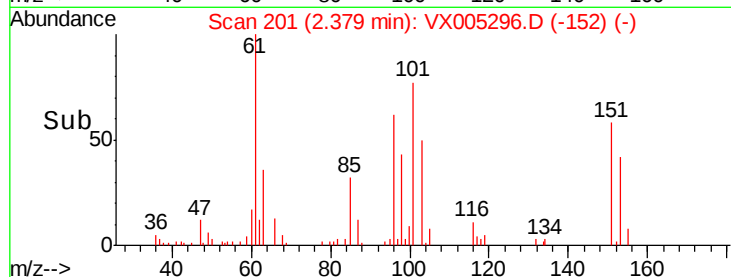
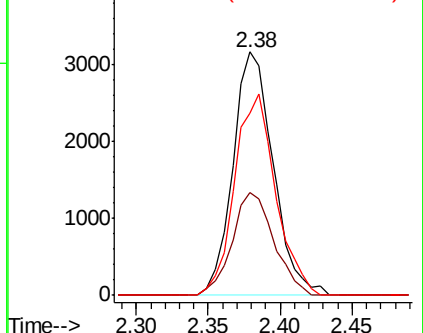
151 84.0 65.0 97.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.130 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

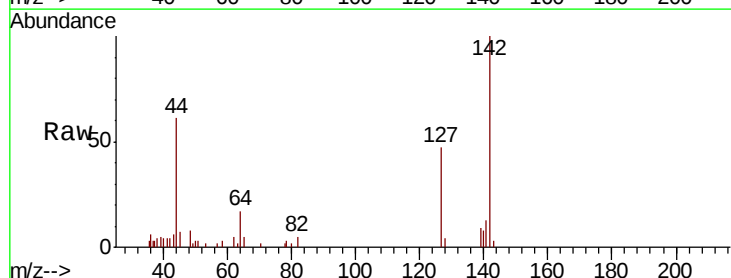
Tgt Ion:142 Resp: 4107

Ion Ratio Lower Upper

142 100

127 51.4 33.8 50.6#

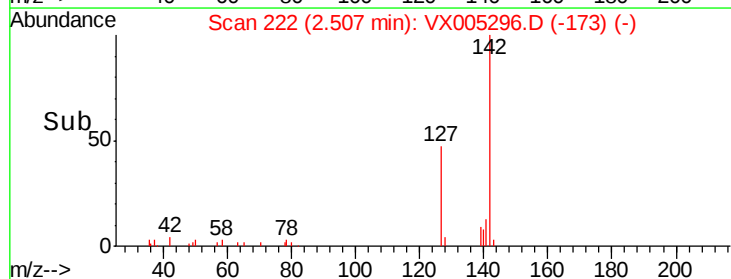
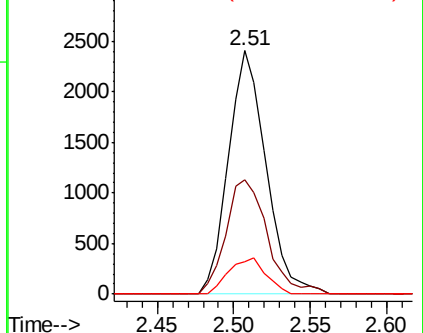
141 14.7 11.4 17.0

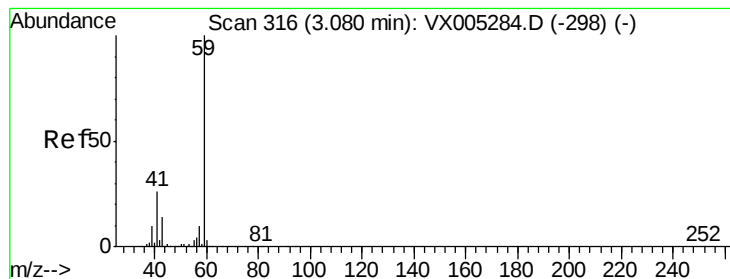


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



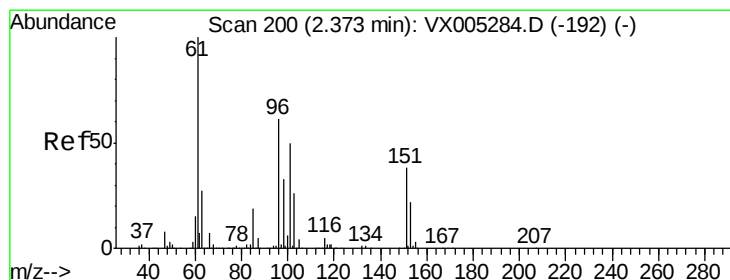
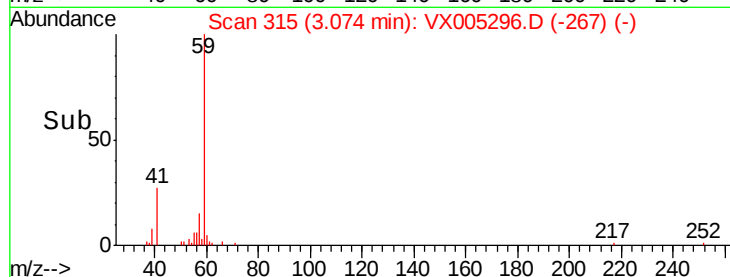
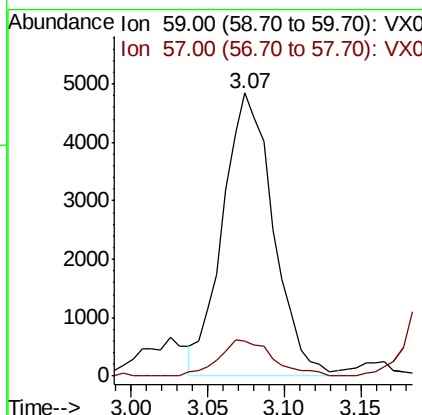
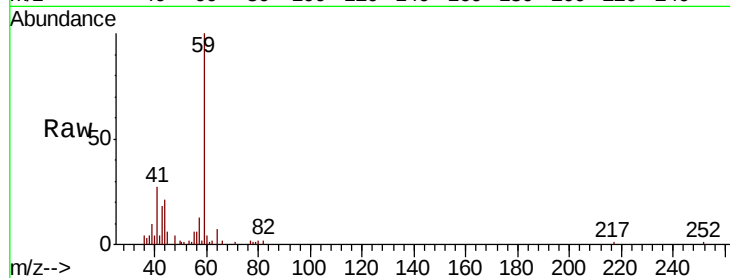


#11

Tert butyl alcohol
 Concen: 14.511 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX005296.D
 Acq: 12 Oct 2018 16:31

Instrument :
 MSVOA_X
 ClientSampled :
 BFB

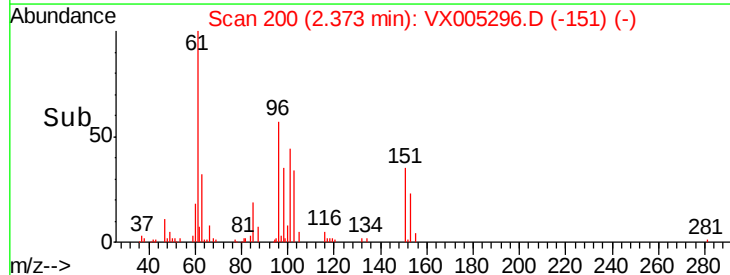
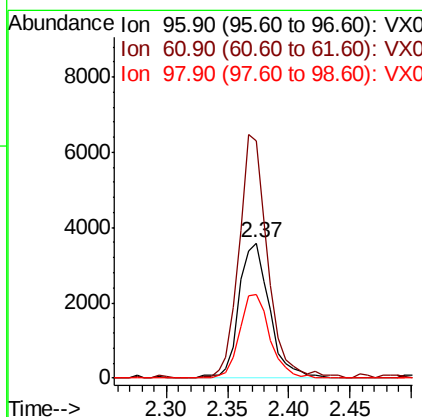
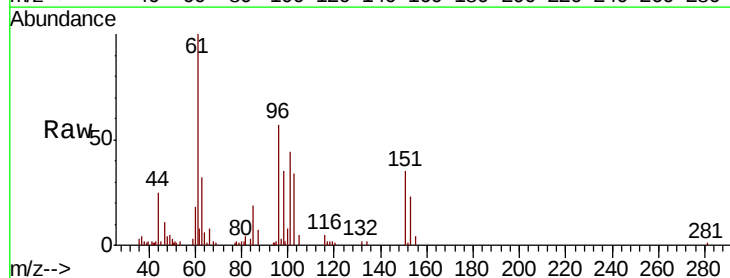
Tot Ion: 59 Resp: 11144
 Ion Ratio Lower Upper
 59 100
 57 13.7 8.2 12.4#

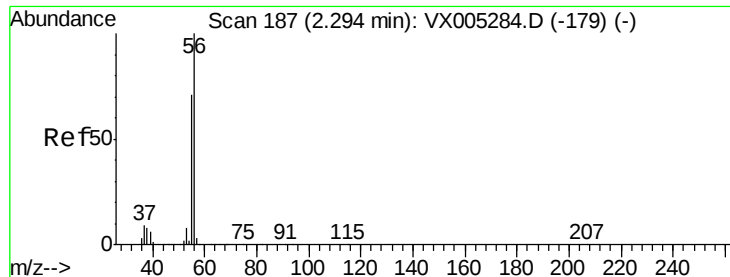


#12

1,1-Dichloroethene
 Concen: 2.882 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005296.D
 Acq: 12 Oct 2018 16:31

Tgt Ion: 96 Resp: 6191
 Ion Ratio Lower Upper
 96 100
 61 175.9 128.8 193.2
 98 61.7 52.2 78.2





#13

Acrolein

Concen: 16.084 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

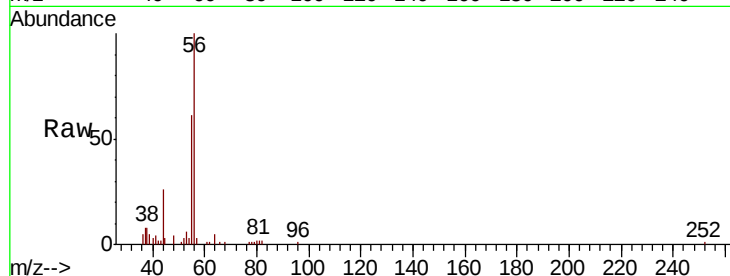
BFB

Tot Ion: 56 Resp: 8874

Ion Ratio Lower Upper

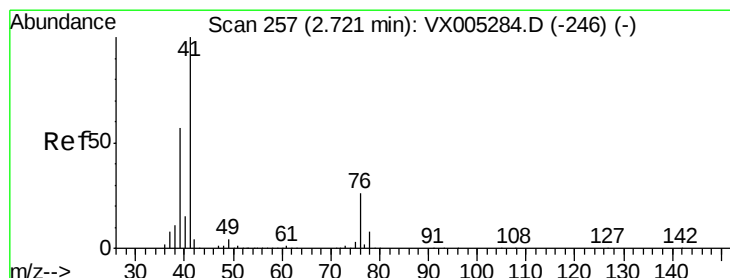
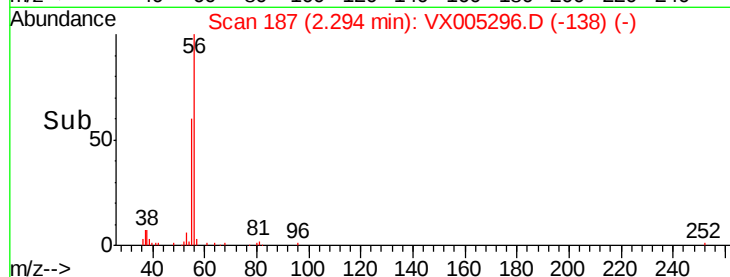
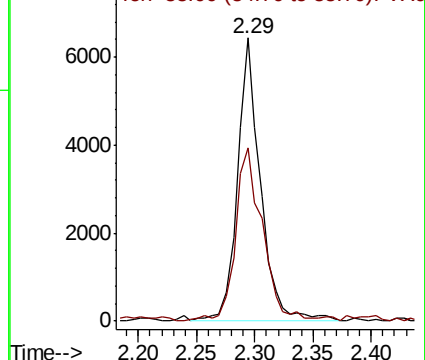
56 100

55 71.8 54.7 82.1



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 2.684 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

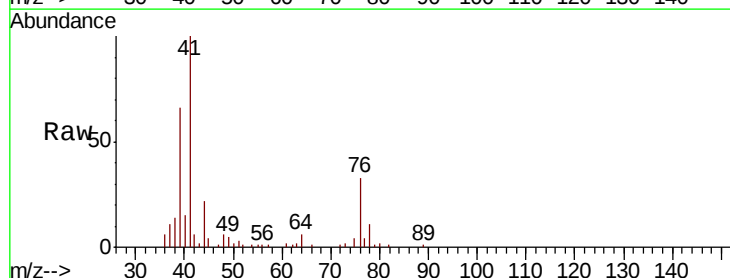
Tgt Ion: 41 Resp: 12660

Ion Ratio Lower Upper

41 100

39 58.2 48.9 73.3

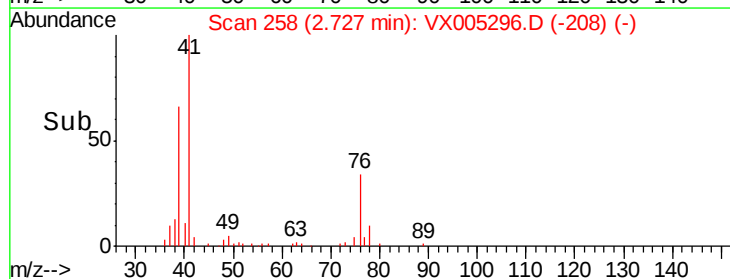
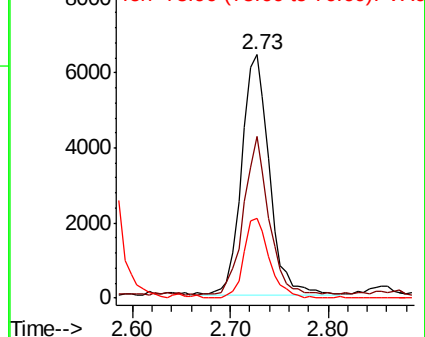
76 30.2 26.7 40.1

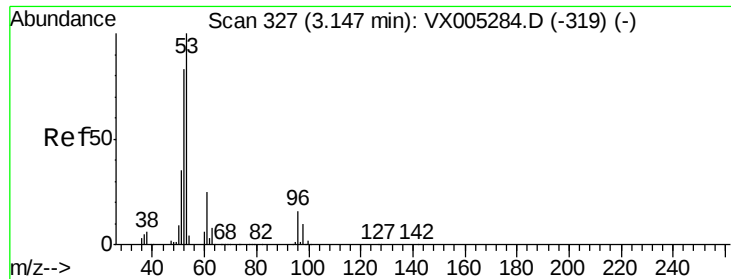


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 13.849 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

BFB

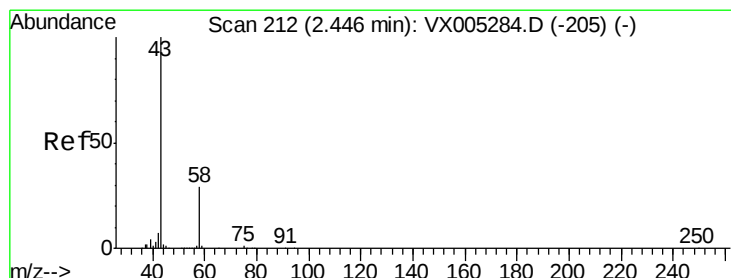
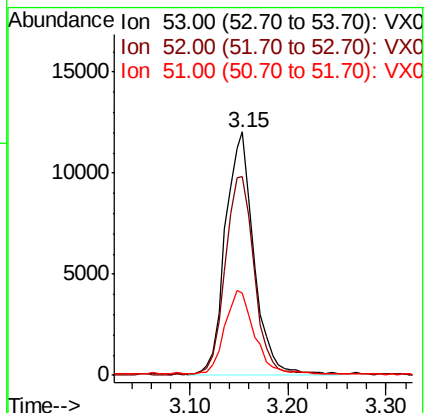
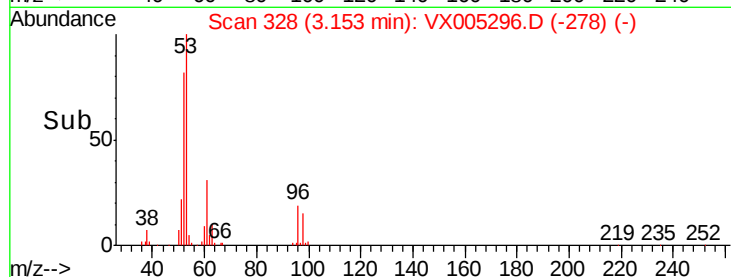
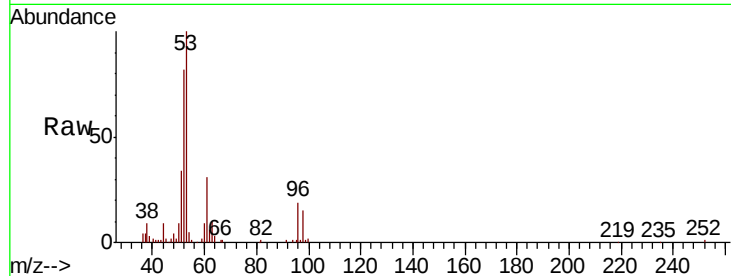
Tot Ion: 53 Resp: 24102

Ion Ratio Lower Upper

53 100

52 84.9 65.2 97.8

51 36.5 28.2 42.2



#16

Acetone

Concen: 14.236 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005296.D

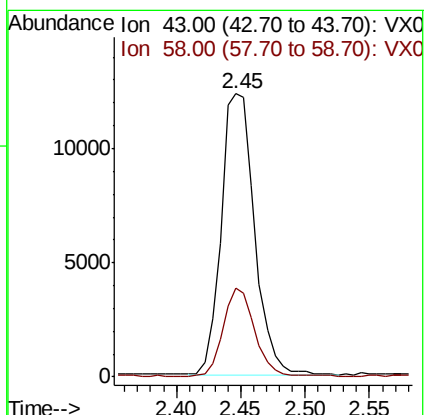
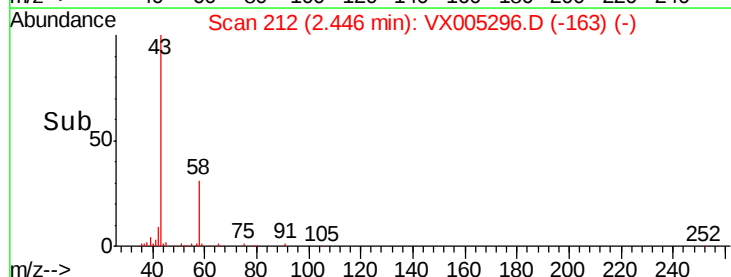
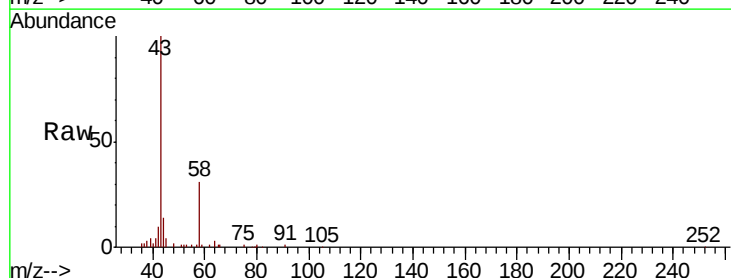
Acq: 12 Oct 2018 16:31

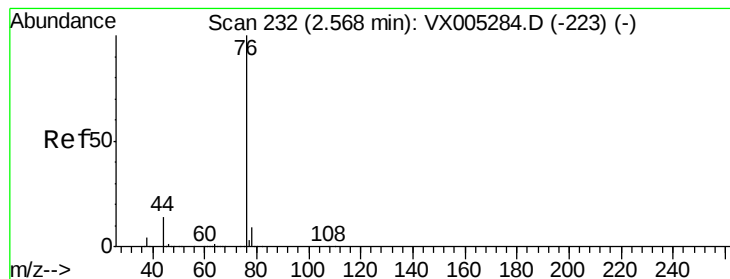
Tgt Ion: 43 Resp: 22410

Ion Ratio Lower Upper

43 100

58 31.6 26.2 39.4





#17

Carbon Disulfide

Concen: 2.640 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

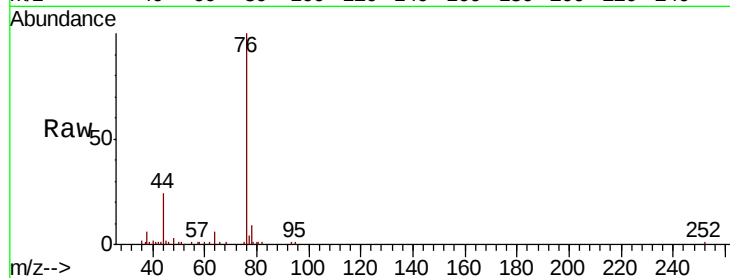
BFB

Tot Ion: 76 Resp: 17184

Ion Ratio Lower Upper

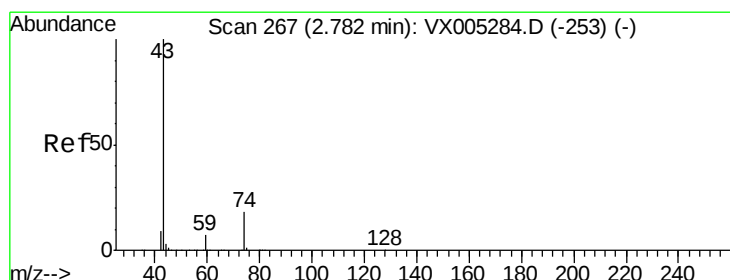
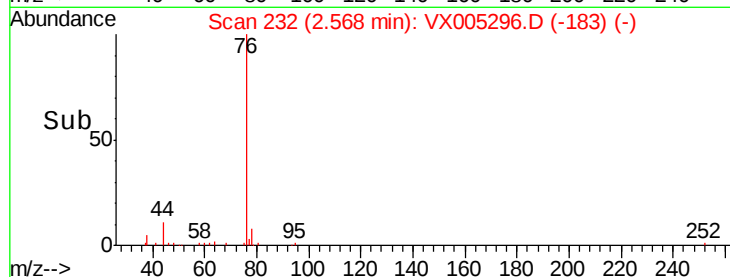
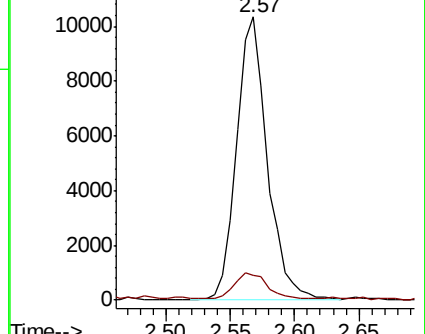
76 100

78 8.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 3.035 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005296.D

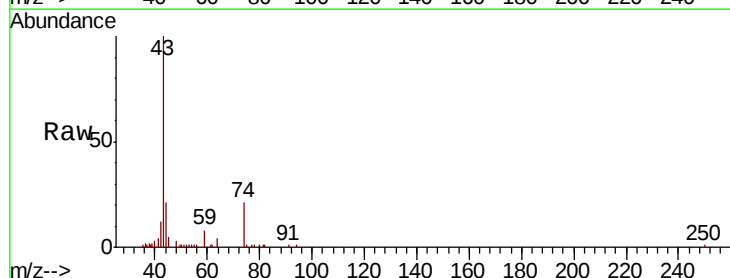
Acq: 12 Oct 2018 16:31

Tgt Ion: 43 Resp: 13594

Ion Ratio Lower Upper

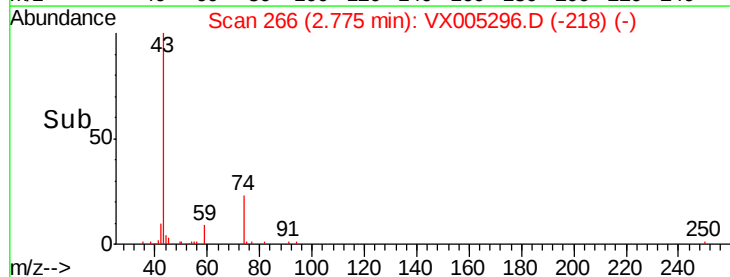
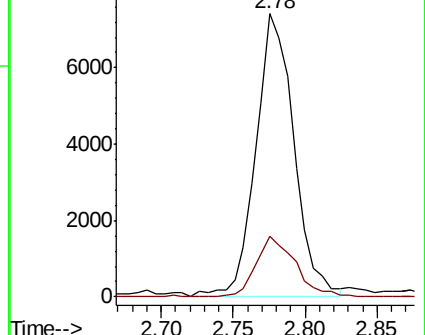
43 100

74 22.2 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



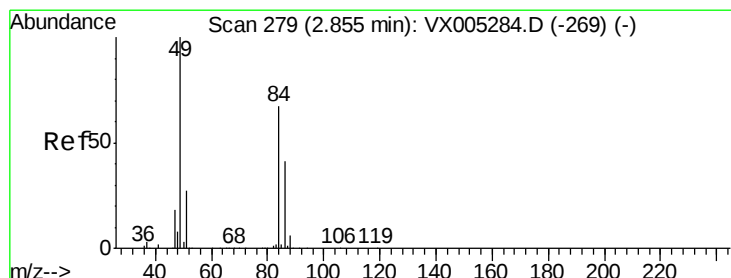
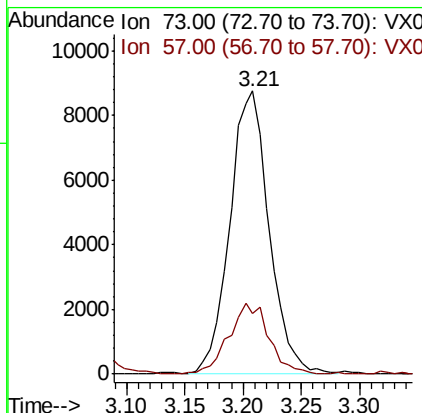
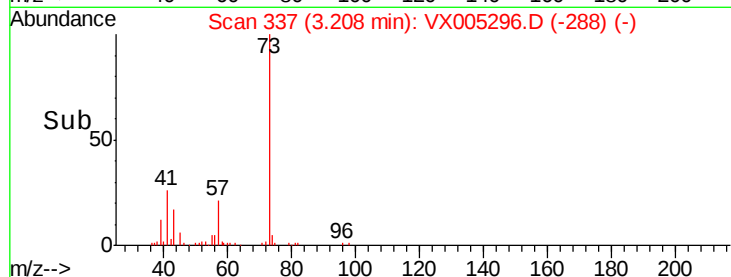
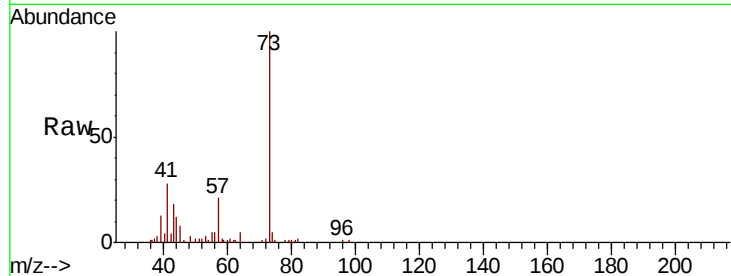


#19

Methyl tert-butyl Ether
 Concen: 2.719 ug/l
 RT: 3.21 min Scan# 337
 Delta R.T. -0.00 min
 Lab File: VX005296.D
 Acq: 12 Oct 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

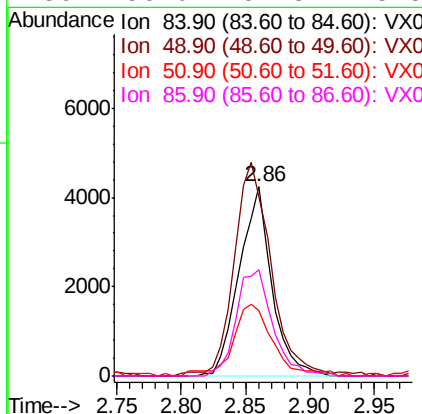
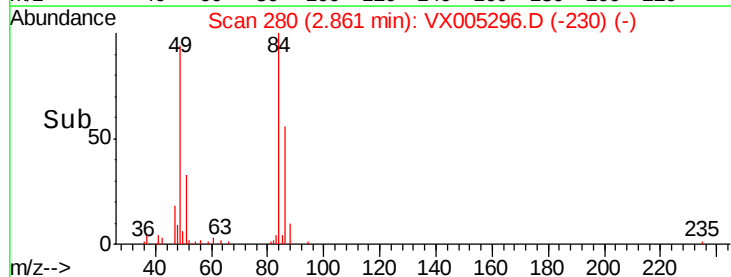
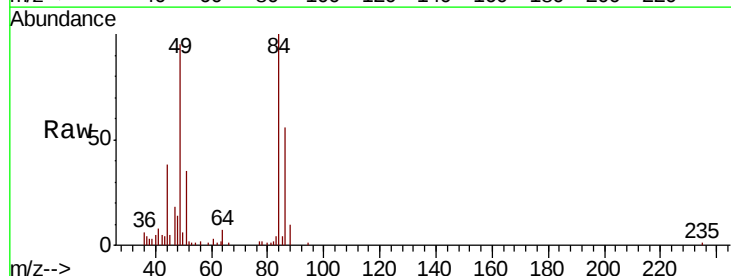
Tot Ion: 73 Resp: 20577
 Ion Ratio Lower Upper
 73 100
 57 20.6 17.1 25.7

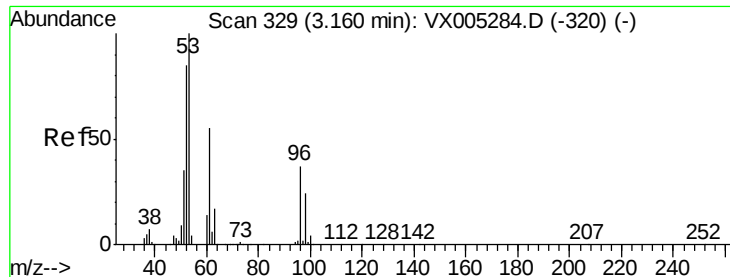


#20

Methylene Chloride
 Concen: 1.987 ug/l
 RT: 2.86 min Scan# 280
 Delta R.T. 0.01 min
 Lab File: VX005296.D
 Acq: 12 Oct 2018 16:31

Tgt Ion: 84 Resp: 7440
 Ion Ratio Lower Upper
 84 100
 49 93.3 101.2 151.8#
 51 34.7 29.5 44.3
 86 56.0 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 2.734 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

BFB

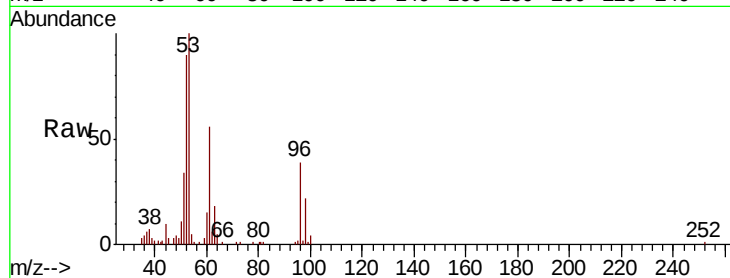
Tot Ion: 96 Resp: 6510

Ion Ratio Lower Upper

96 100

61 142.7 113.8 170.6

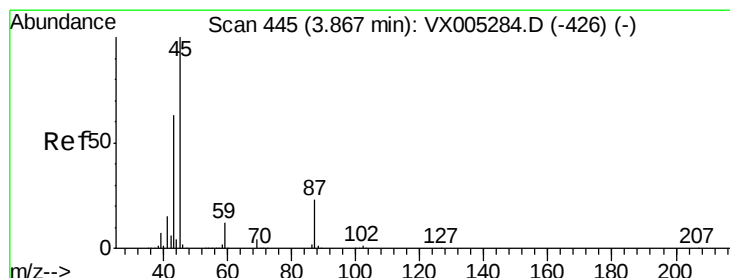
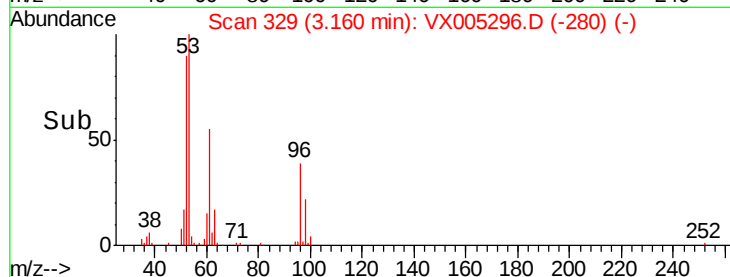
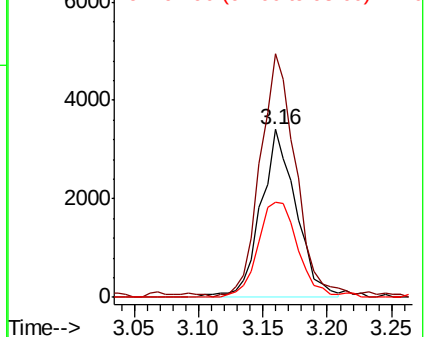
98 56.4 51.8 77.8



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 2.456 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.01 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Tgt Ion: 45 Resp: 19457

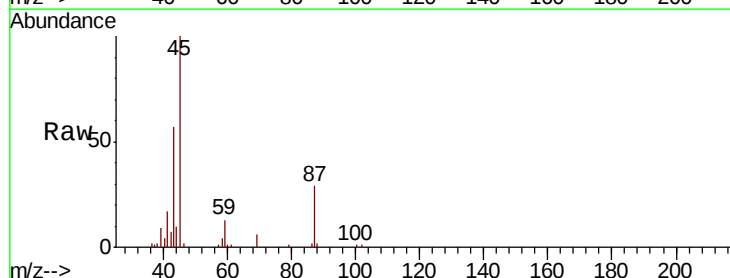
Ion Ratio Lower Upper

45 100

43 55.5 42.8 64.2

87 29.3 22.6 34.0

59 13.5 9.6 14.4

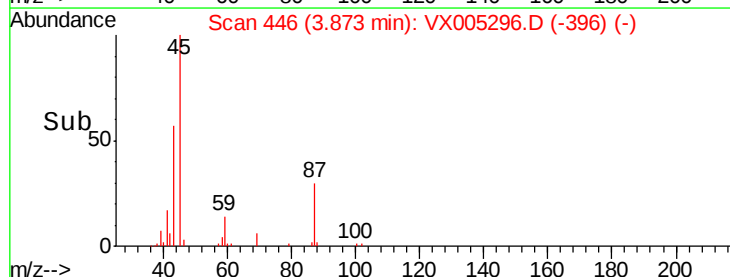
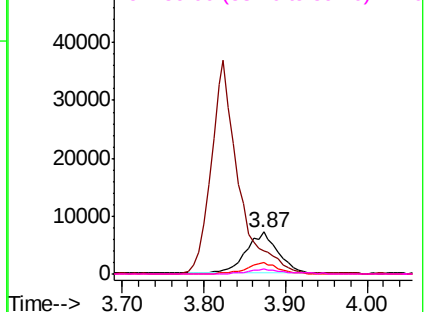


Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0

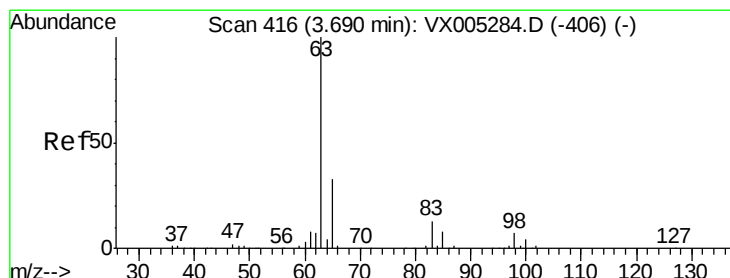
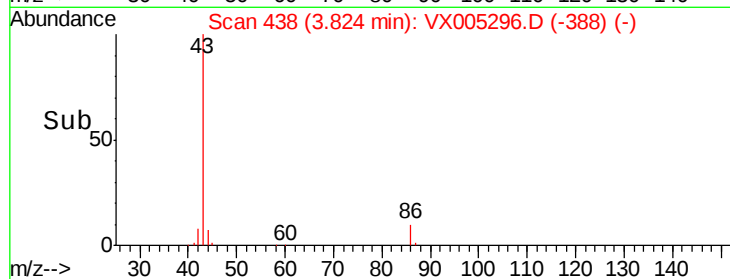
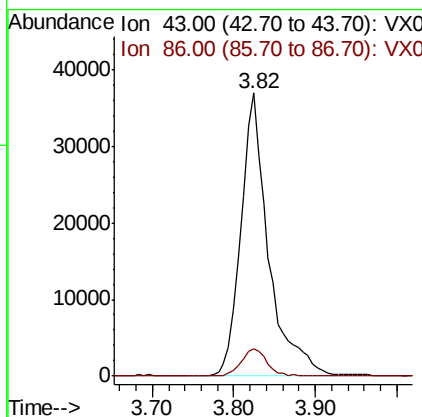
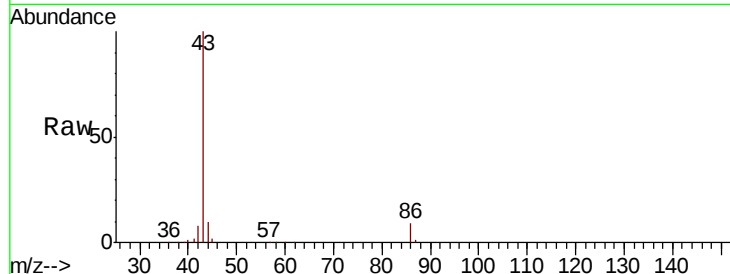




#23
 Vinyl Acetate
 Concen: 12.525 ug/l
 RT: 3.82 min Scan# 438
 Delta R.T. 0.01 min
 Lab File: VX005296.D
 Acq: 12 Oct 2018 16:31

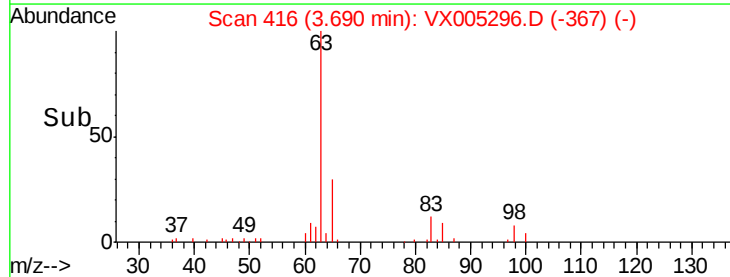
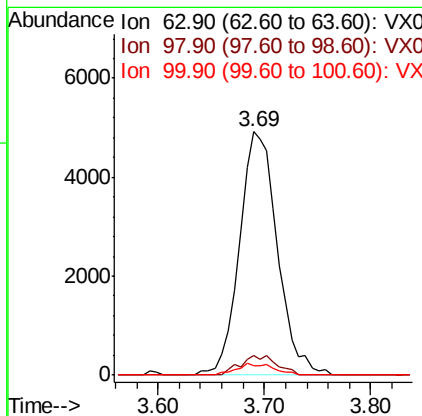
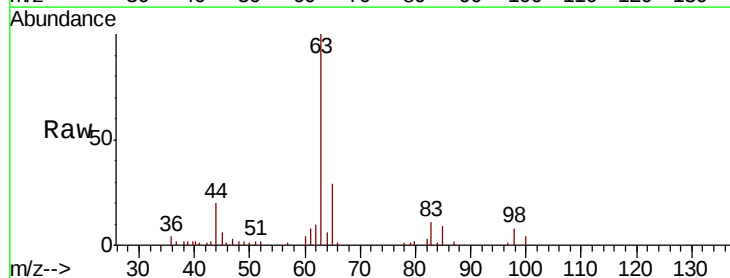
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

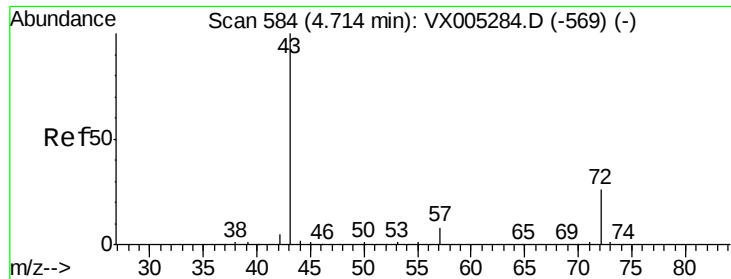
Tot Ion: 43 Resp: 86733
 Ion Ratio Lower Upper
 43 100
 86 9.5 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 2.705 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. -0.00 min
 Lab File: VX005296.D
 Acq: 12 Oct 2018 16:31

Tgt Ion: 63 Resp: 12283
 Ion Ratio Lower Upper
 63 100
 98 8.3 3.5 10.4
 100 3.8 2.4 7.1





#25

2-Butanone

Concen: 13.304 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.02 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

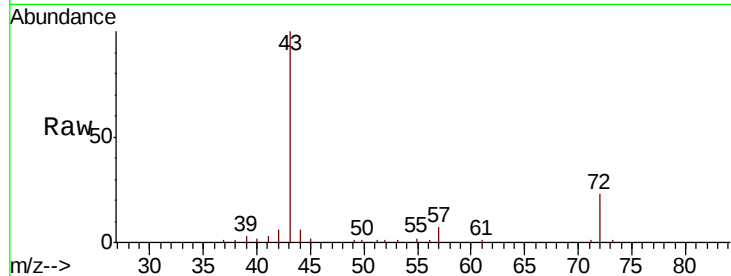
BFB

Tot Ion: 43 Resp: 30642

Ion Ratio Lower Upper

43 100

72 23.3 22.0 33.0



Abundance Ion 43.00 (42.70 to 43.70): VX005284.D (-569) (-)

Ion 72.00 (71.70 to 72.70): VX005284.D (-569) (-)

12000

10000

8000

6000

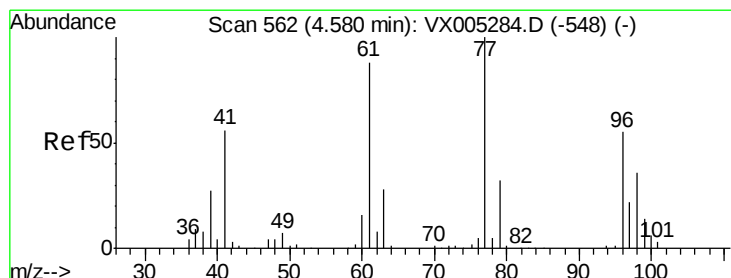
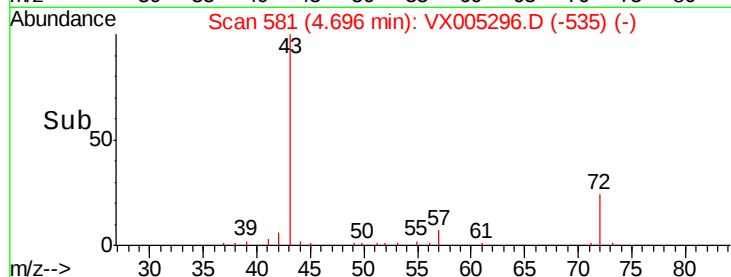
4000

2000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 2.458 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005296.D

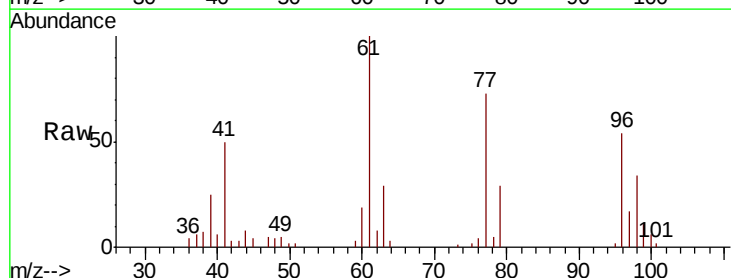
Acq: 12 Oct 2018 16:31

Tgt Ion: 77 Resp: 8348

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX005284.D (-548) (-)

Ion 96.90 (96.60 to 97.60): VX005284.D (-548) (-)

3000

2500

2000

1500

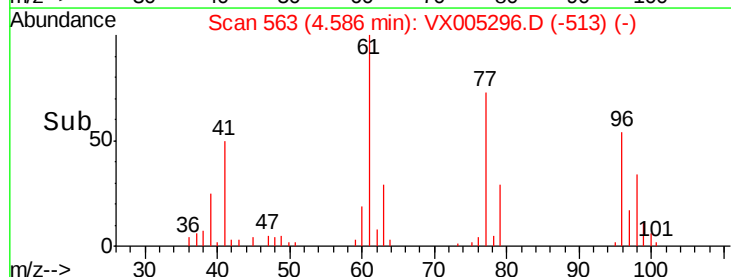
1000

500

0

4.45 4.50 4.55 4.60 4.65

Time-->



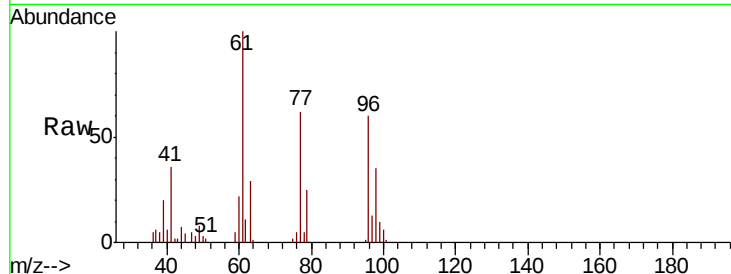


#27

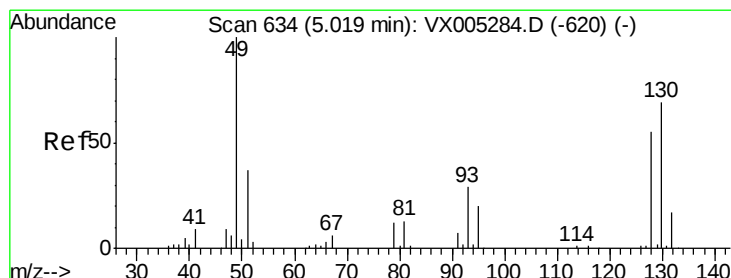
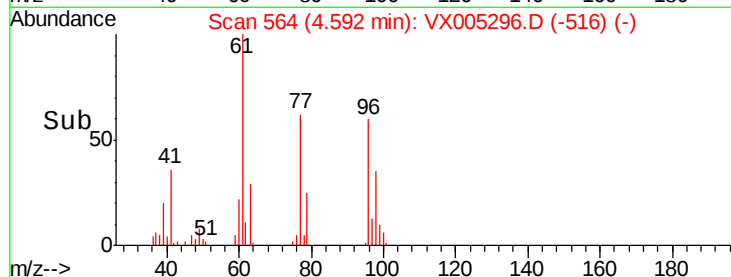
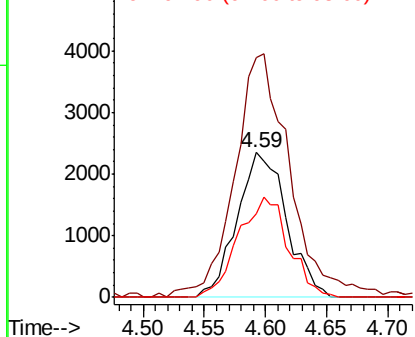
cis-1,2-Dichloroethene
Concen: 2.545 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Instrument :
MSVOA_X
ClientSampled :
BFB

Tot Ion: 96 Resp: 6586
Ion Ratio Lower Upper
96 100
61 190.9 0.0 282.6
98 70.6 0.0 130.2



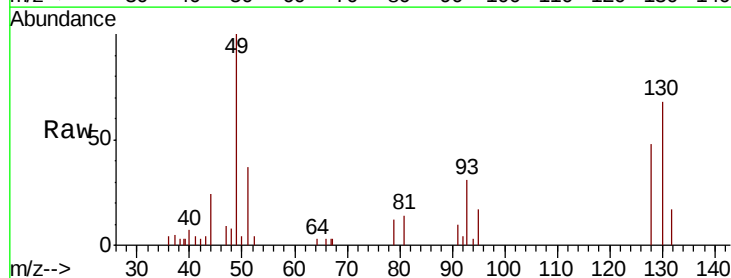
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



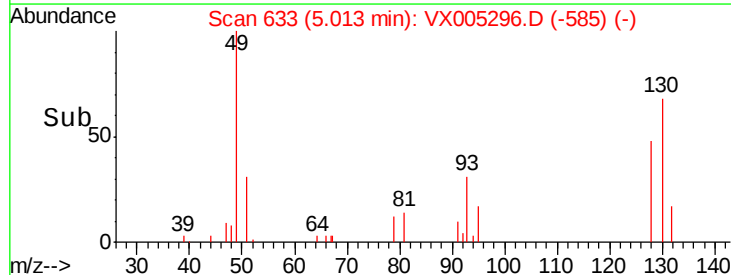
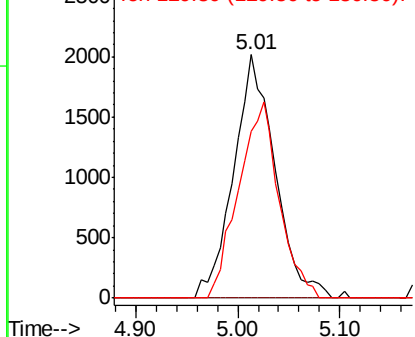
#28

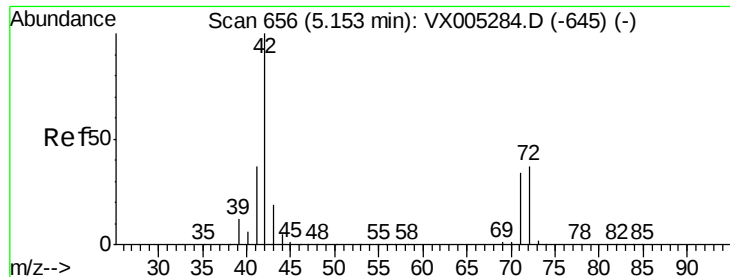
Bromochloromethane
Concen: 2.745 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Tgt Ion: 49 Resp: 5682
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.2
130 79.0 67.5 101.3



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

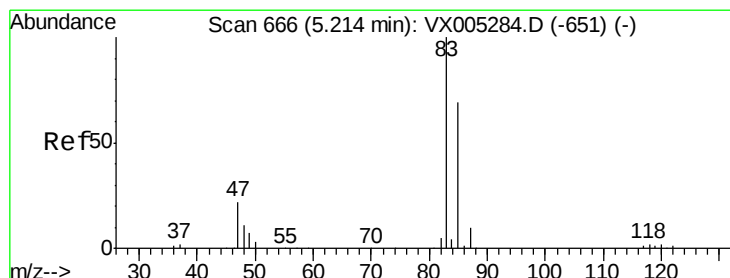
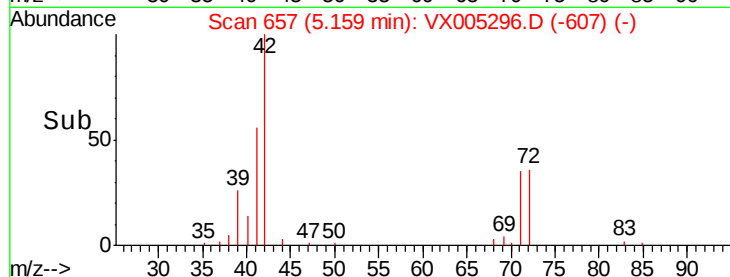
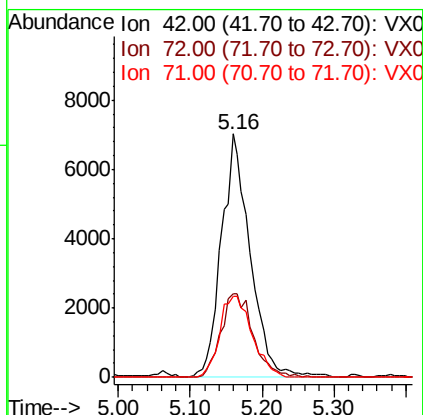
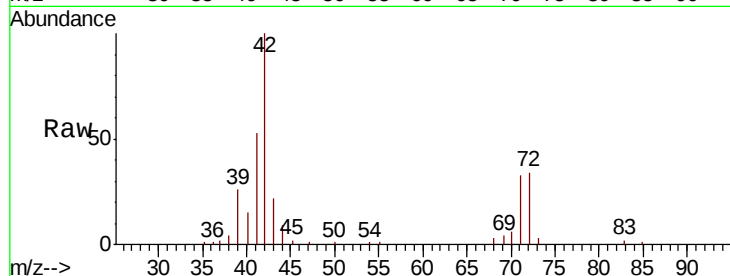




#29
Tetrahydrofuran
Concen: 13.307 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

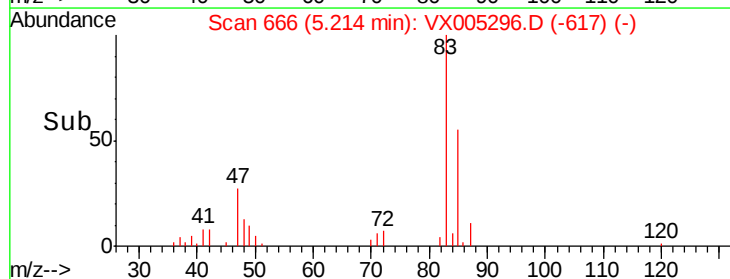
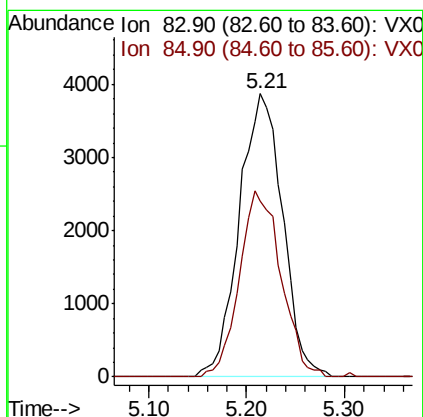
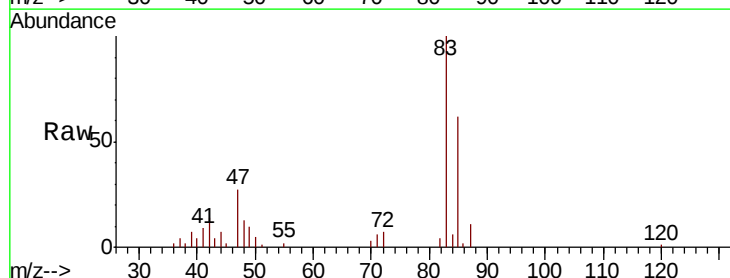
Instrument :
MSVOA_X
ClientSampleId :
BFB

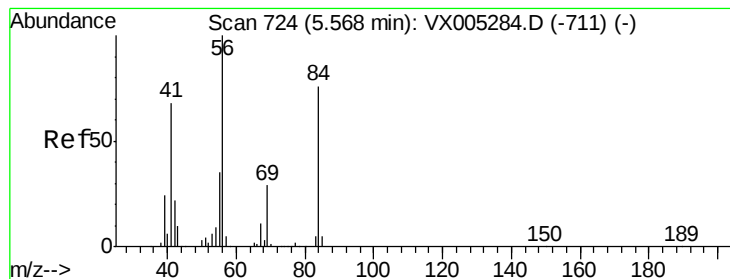
Tot Ion: 42 Resp: 19549
Ion Ratio Lower Upper
42 100
72 38.4 37.4 56.0
71 37.1 34.5 51.7



#30
Chloroform
Concen: 2.821 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Tgt Ion: 83 Resp: 11890
Ion Ratio Lower Upper
83 100
85 62.0 52.6 79.0





#31

Cyclohexane

Concen: 2.526 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.01 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampled :

BFB

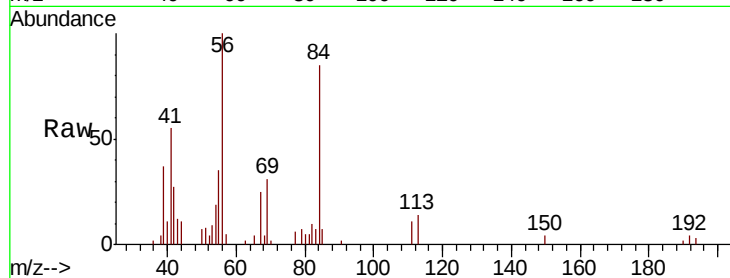
Tot Ion: 56 Resp: 9452

Ion Ratio Lower Upper

56 100

69 30.6 25.4 38.2

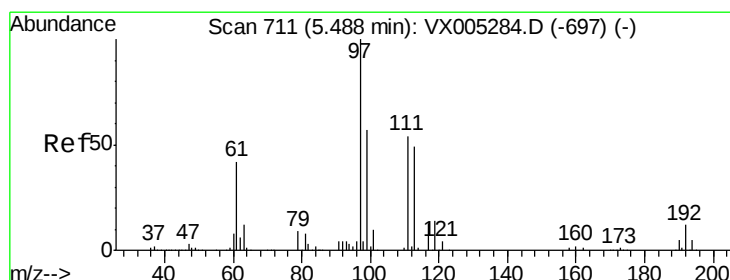
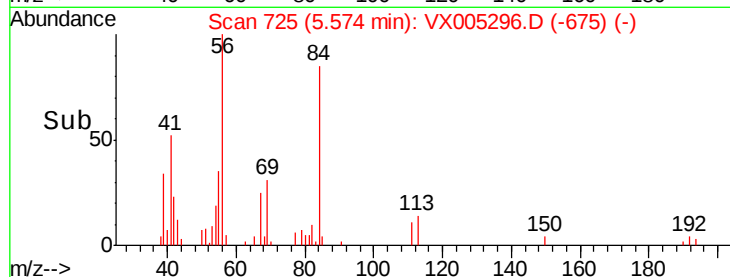
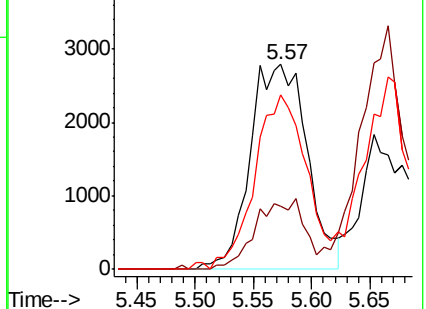
84 85.0 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 2.719 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

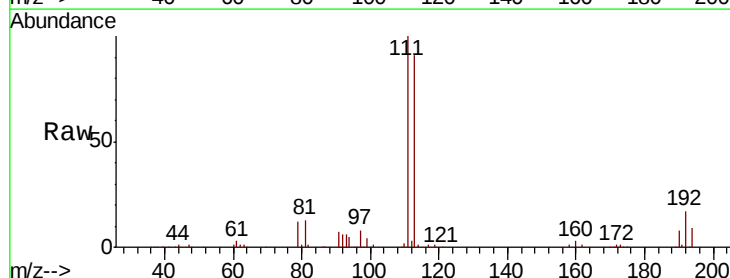
Tgt Ion: 97 Resp: 9970

Ion Ratio Lower Upper

97 100

99 63.8 52.0 78.0

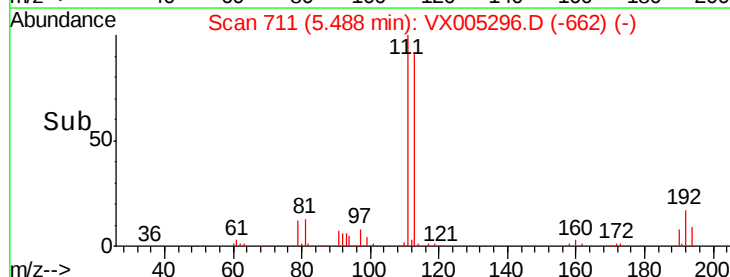
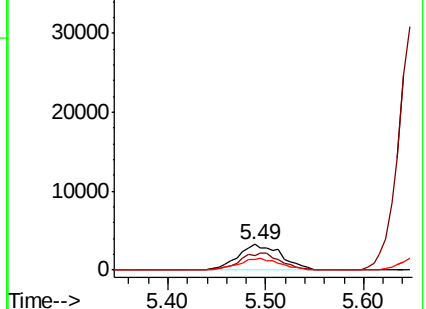
61 43.5 34.9 52.3

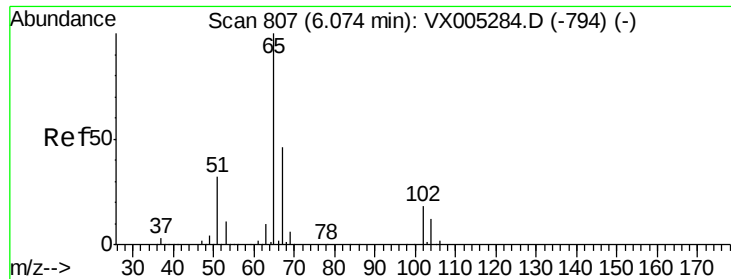


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

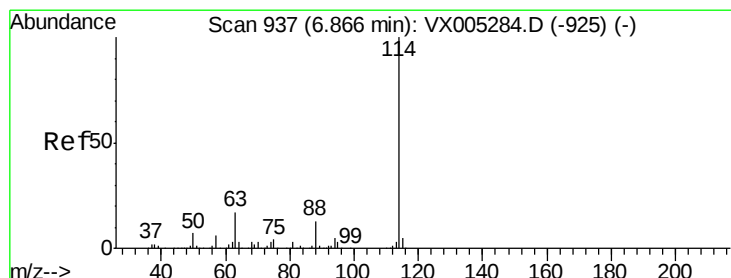
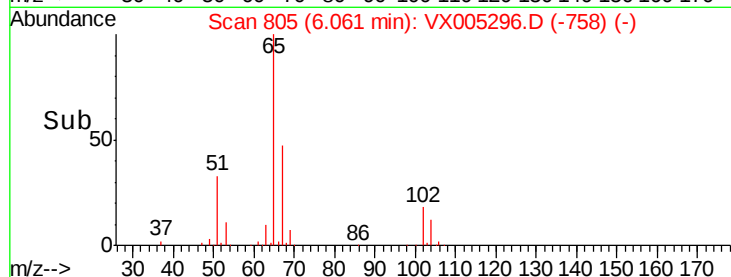
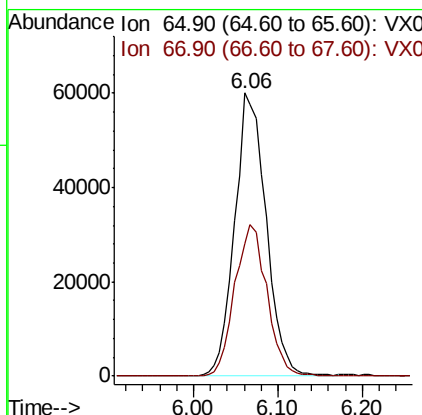
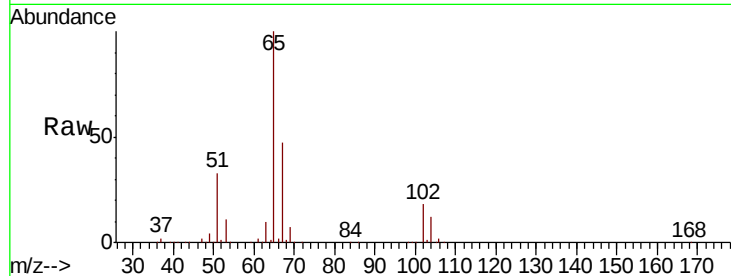




#33
 1,2-Dichloroethane-d4
 Concen: 55.793 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005296.D
 Acq: 12 Oct 2018 16:31

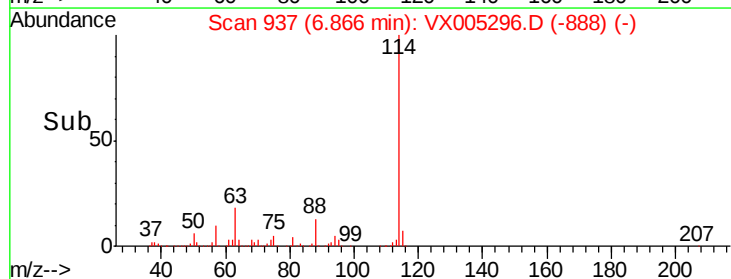
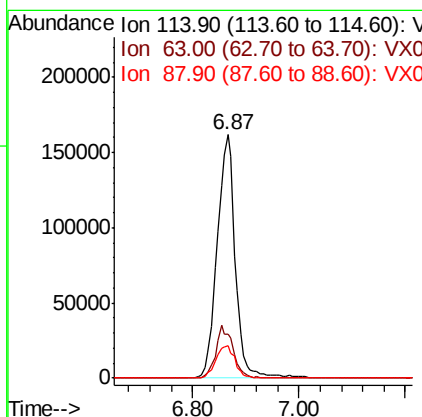
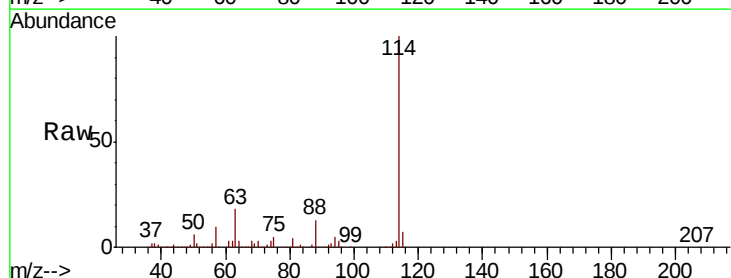
Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

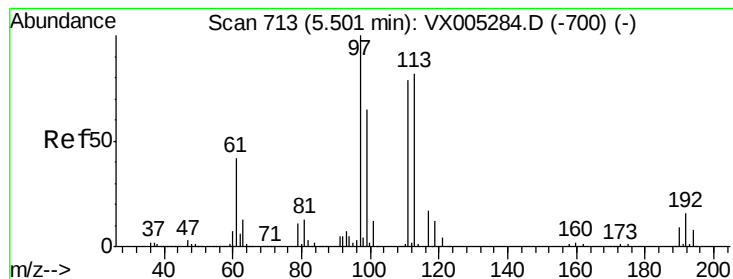
Tot Ion: 65 Resp: 151901
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VX005296.D
 Acq: 12 Oct 2018 16:31

Tgt Ion: 114 Resp: 385270
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 39.0
 88 13.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.078 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

BFB

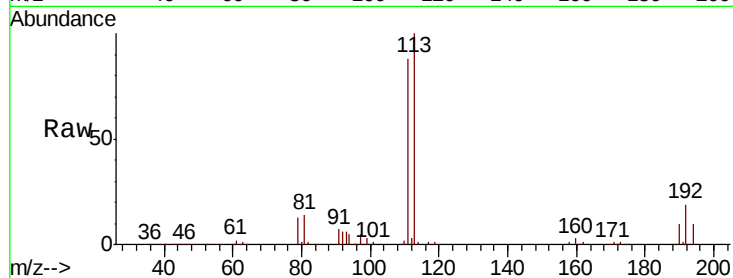
Tot Ion:113 Resp: 122682

Ion Ratio Lower Upper

113 100

111 101.1 82.4 123.6

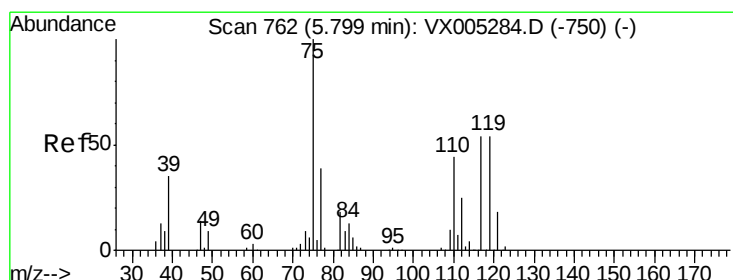
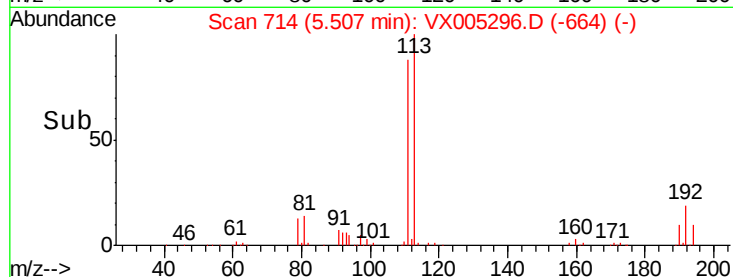
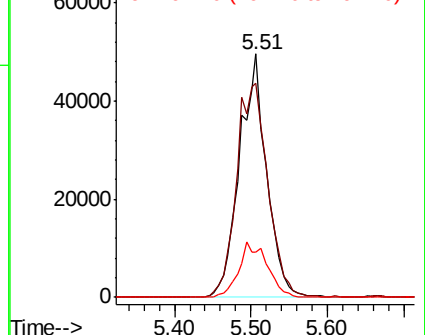
192 23.6 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 2.248 ug/l

RT: 5.79 min Scan# 761

Delta R.T. -0.01 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

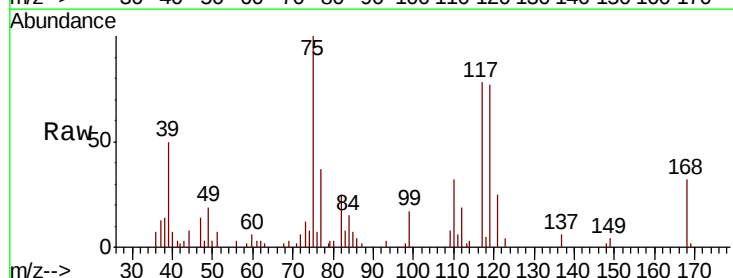
Tgt Ion: 75 Resp: 8387

Ion Ratio Lower Upper

75 100

110 36.5 18.0 54.0

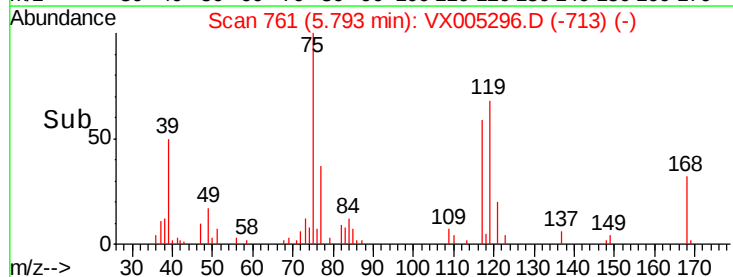
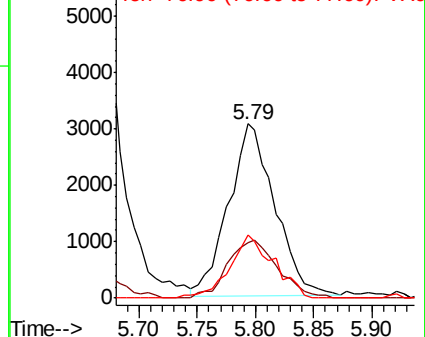
77 35.0 24.6 36.8

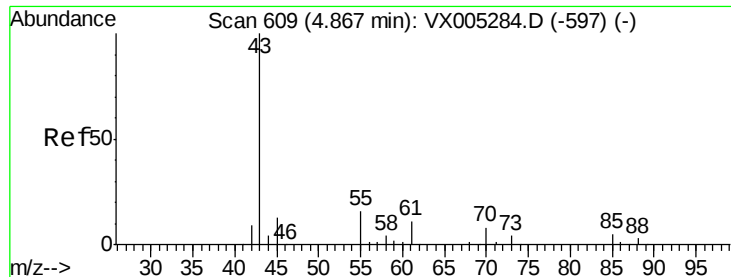


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

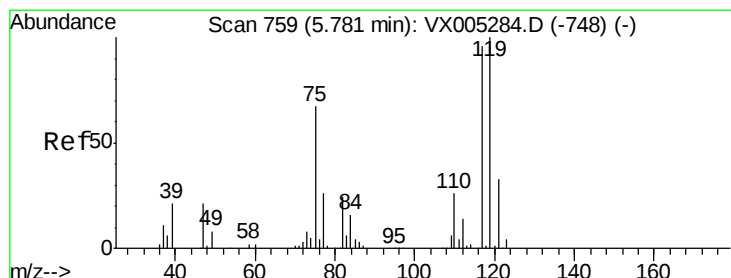
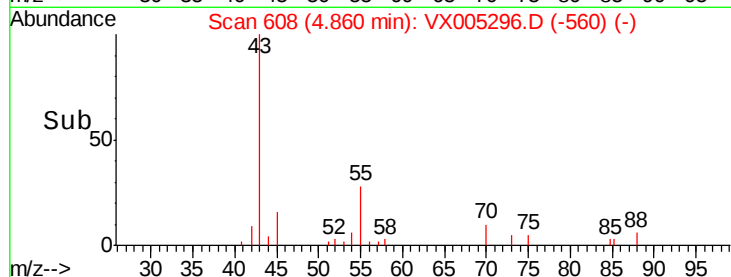
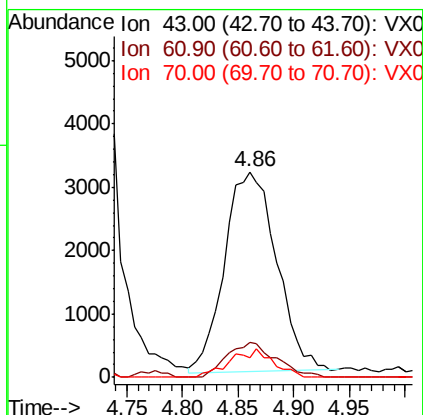
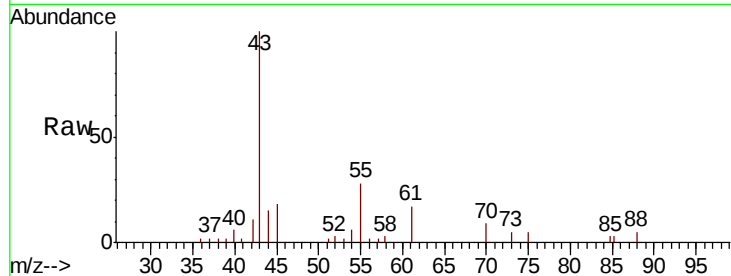




#37
Ethyl Acetate
Concen: 2.120 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

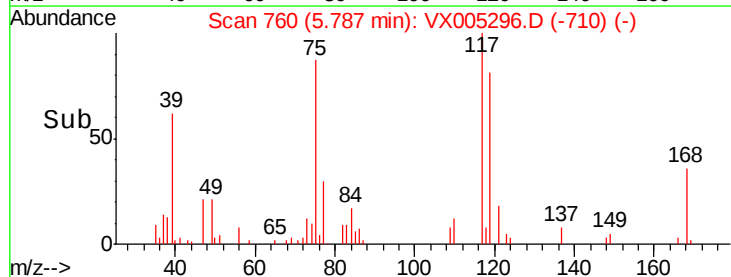
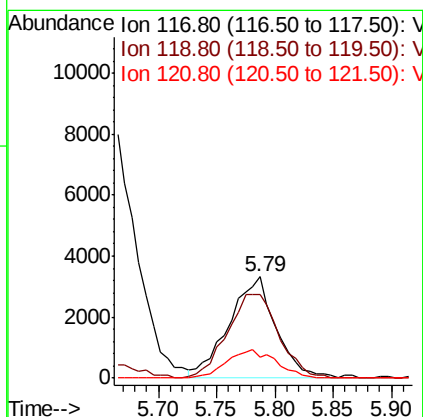
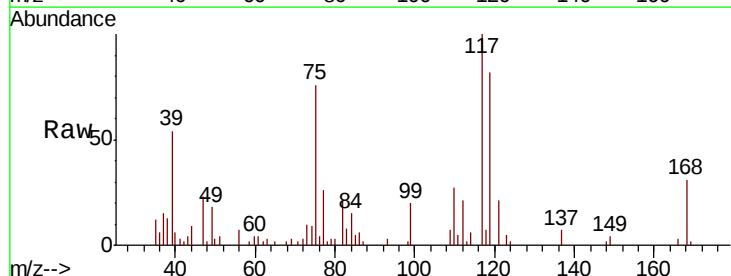
Instrument :
MSVOA_X
ClientSampled :
BFB

Tot Ion: 43 Resp: 10174
Ion Ratio Lower Upper
43 100
61 16.6 11.5 17.3
70 11.8 9.0 13.6



#38
Carbon Tetrachloride
Concen: 2.487 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Tgt Ion: 117 Resp: 9326
Ion Ratio Lower Upper
117 100
119 82.1 78.8 118.2
121 20.5 24.9 37.3#

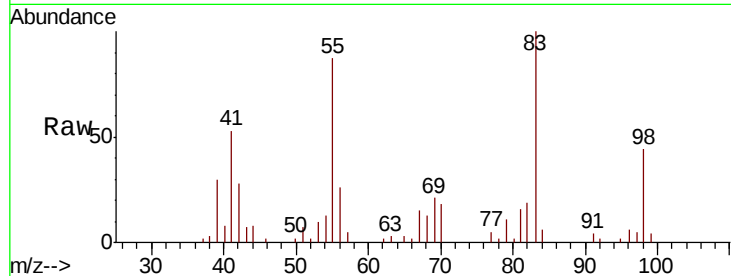




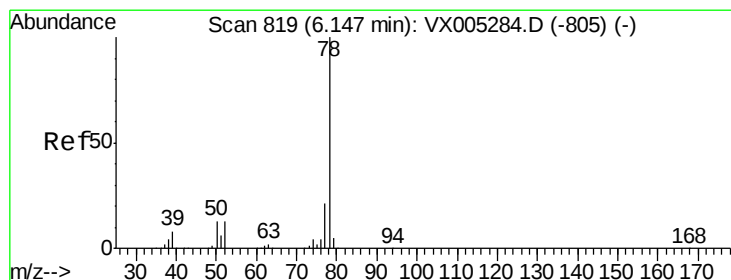
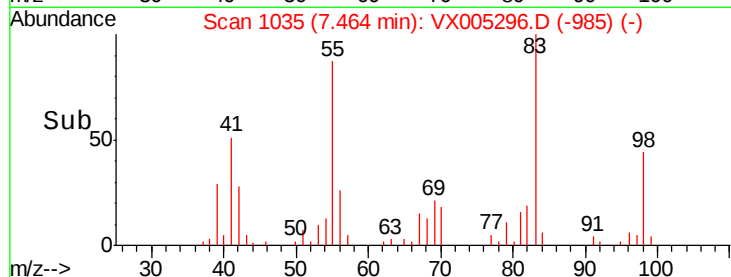
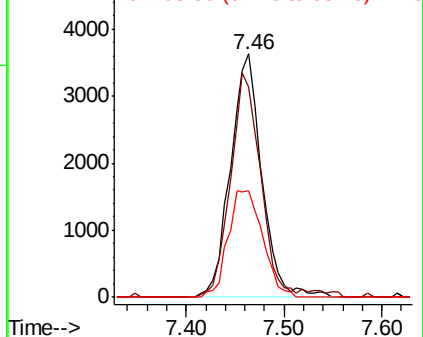
#39
Methvlcvclohexane
Concen: 1.995 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tot Ion: 83 Resp: 8058
Ion Ratio Lower Upper
83 100
55 86.6 61.0 91.4
98 43.9 39.6 59.4

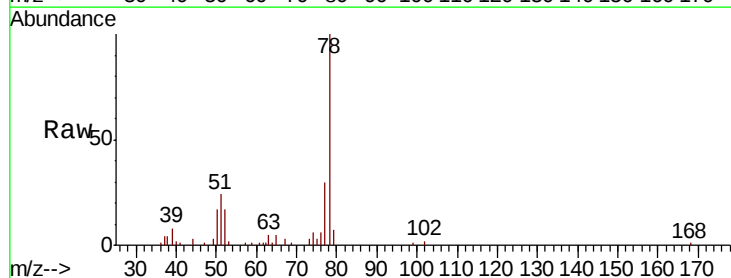


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

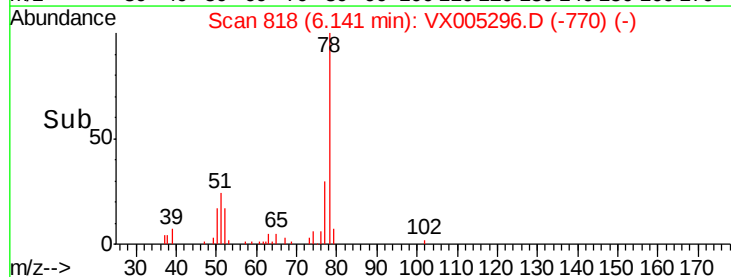
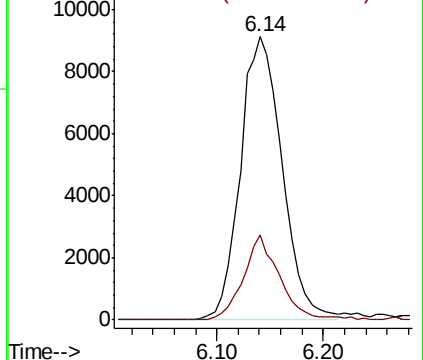


#40
Benzene
Concen: 2.243 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.01 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Tgt Ion: 78 Resp: 25108
Ion Ratio Lower Upper
78 100
77 30.2 19.0 28.4#



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

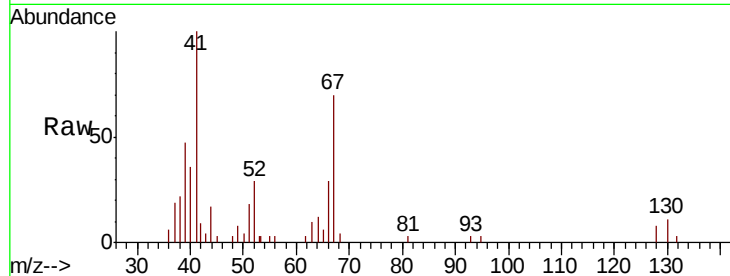




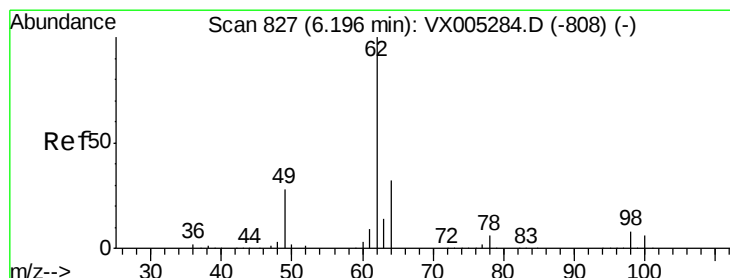
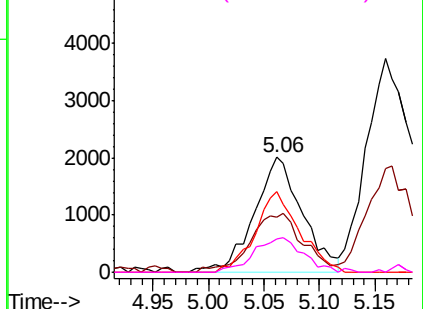
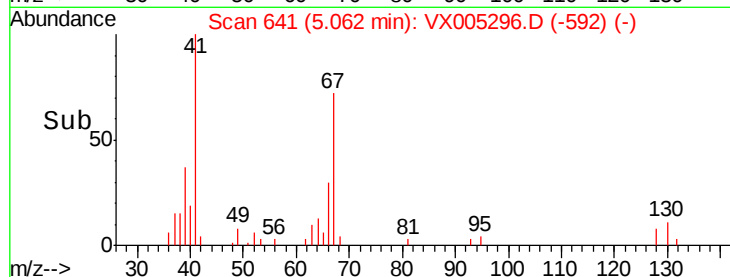
#41
Methacrylonitrile
Concen: 2.345 ug/l
RT: 5.06 min Scan# 641
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Instrument :
MSVOA_X
ClientSampled :
BFB

Tot Ion:	41	Resp:	6033
Ion	Ratio	Lower	Upper
41	100		
39	55.4	42.4	63.6
67	64.7	59.2	88.8
52	30.6	23.0	34.4

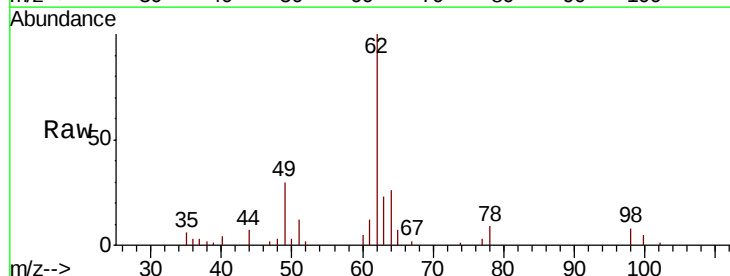


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

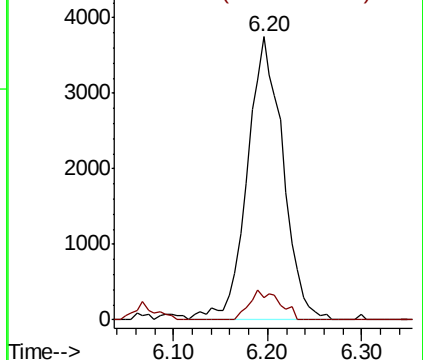
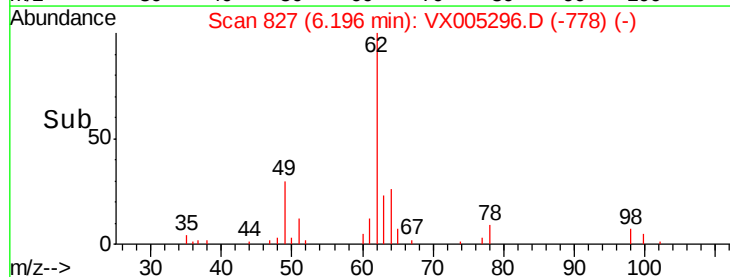


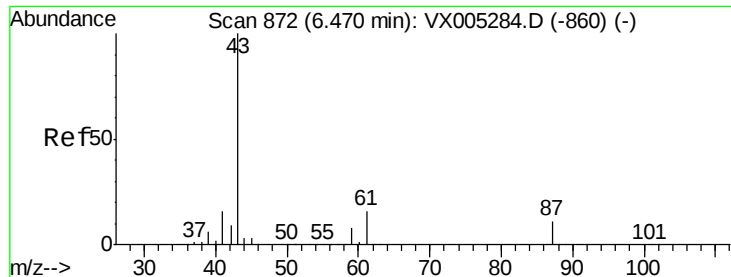
#42
1,2-Dichloroethane
Concen: 2.523 ug/l
RT: 6.20 min Scan# 827
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Tgt Ion:	62	Resp:	9970
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 2.291 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

BFB

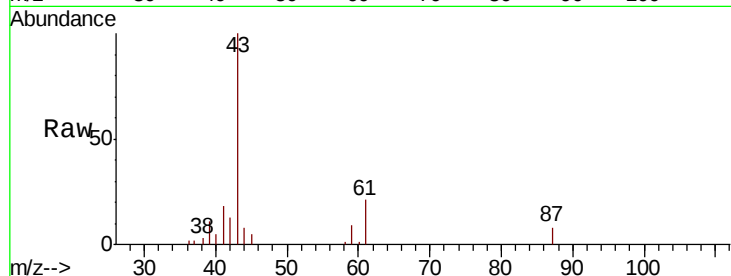
Tot Ion: 43 Resp: 14642

Ion Ratio Lower Upper

43 100

61 20.7 17.0 25.4

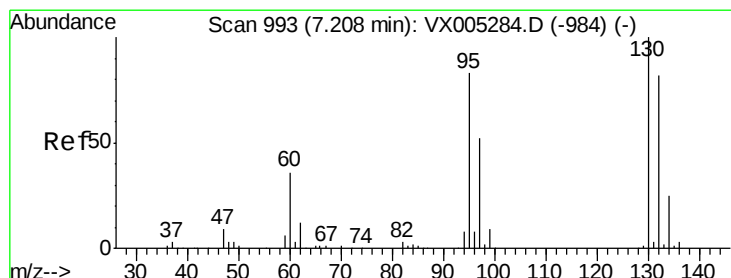
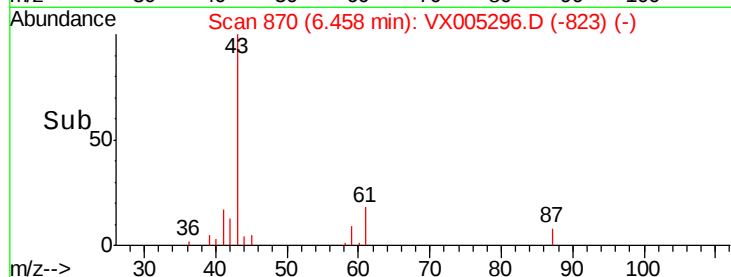
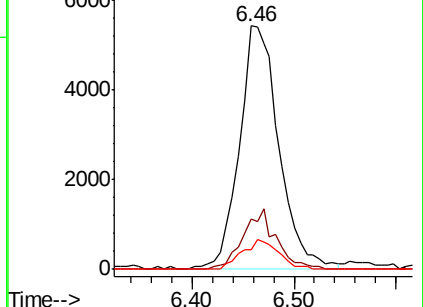
87 11.4 11.4 17.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: 2.023 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005296.D

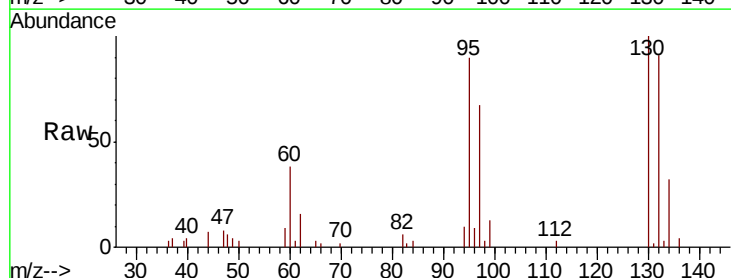
Acq: 12 Oct 2018 16:31

Tgt Ion:130 Resp: 7488

Ion Ratio Lower Upper

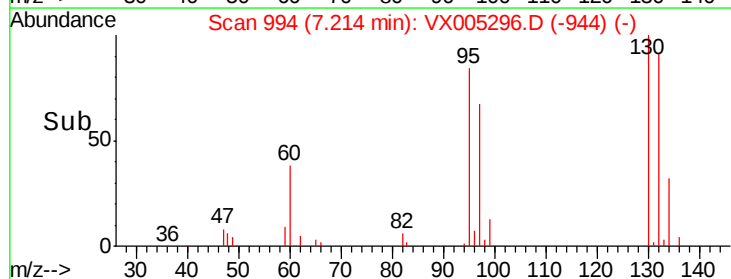
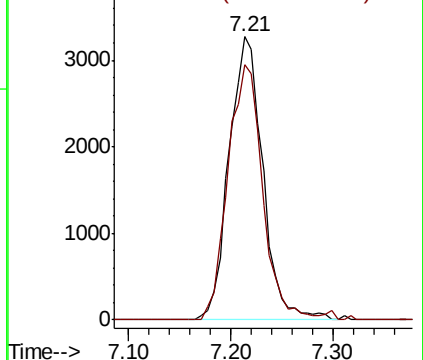
130 100

95 90.3 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 2.391 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

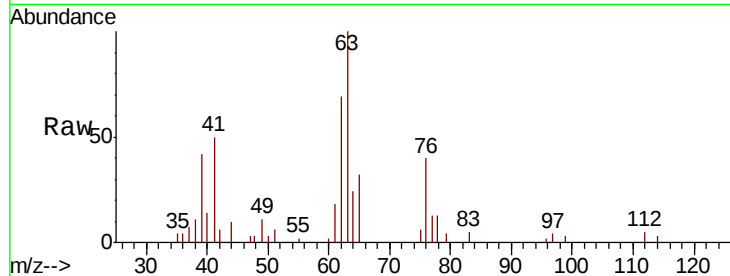
BFB

Tot Ion: 63 Resp: 6566

Ion Ratio Lower Upper

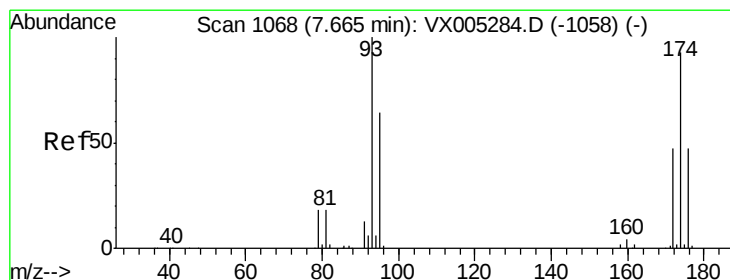
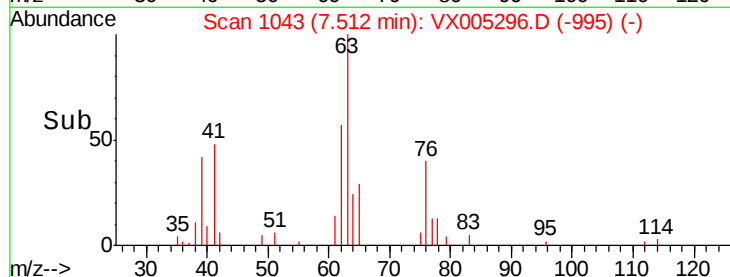
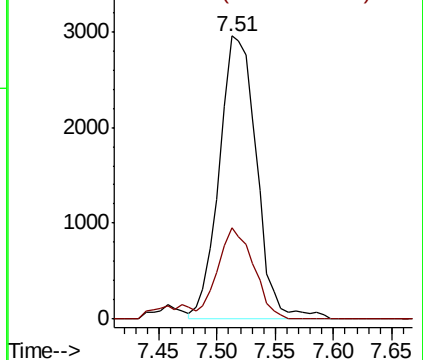
63 100

65 32.4 24.3 36.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 2.363 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. -0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

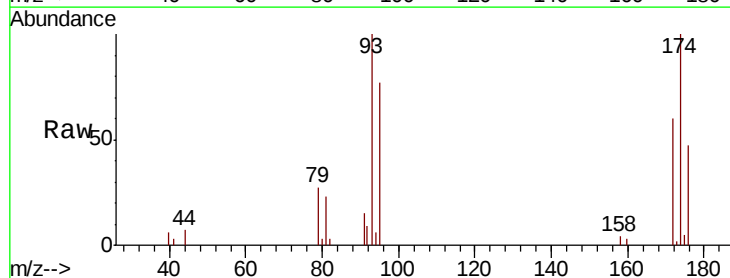
Tgt Ion: 93 Resp: 4283

Ion Ratio Lower Upper

93 100

95 86.0 65.5 98.3

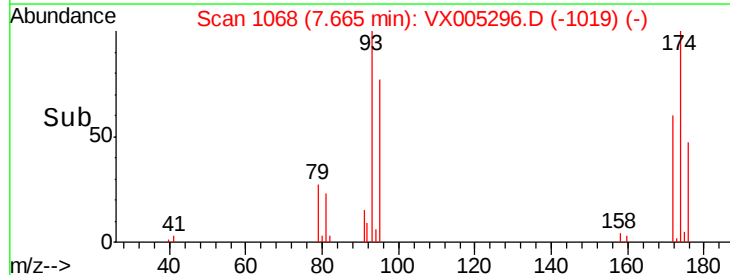
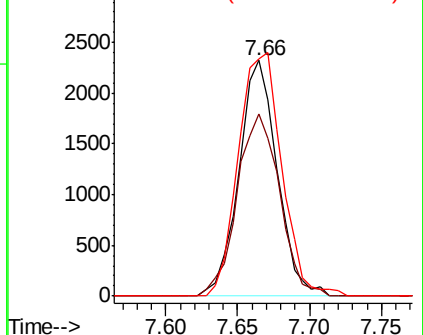
174 117.2 94.2 141.4

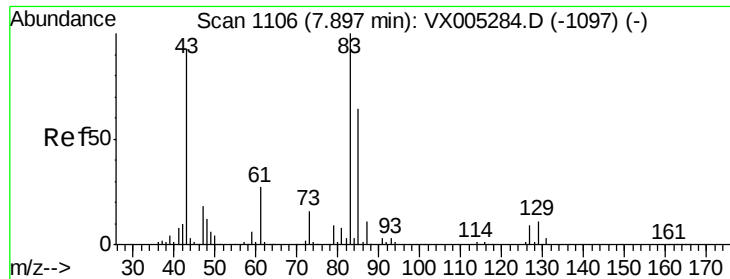


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 2.305 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampled :

BFB

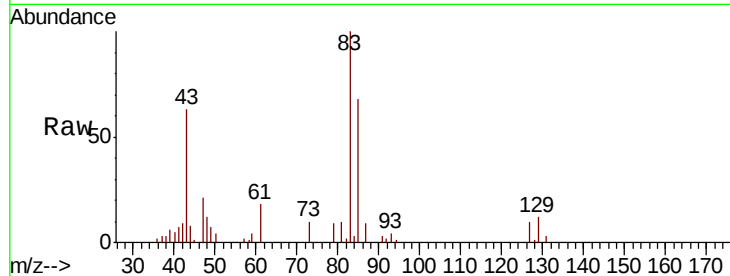
Tot Ion: 83 Resp: 7726

Ion Ratio Lower Upper

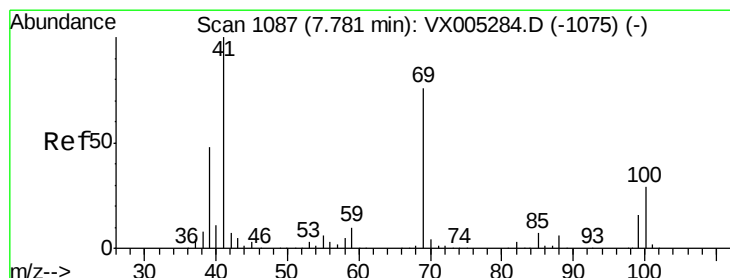
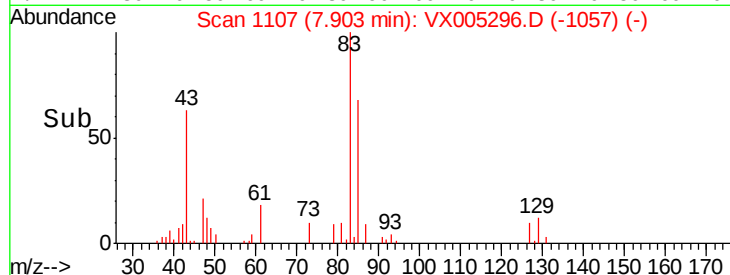
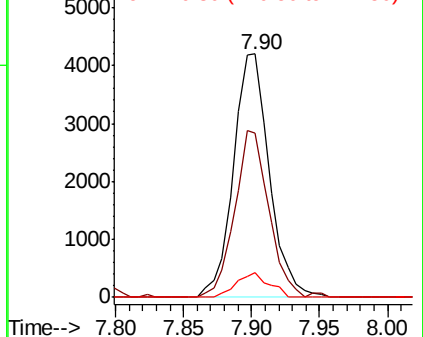
83 100

85 67.7 50.9 76.3

127 10.1 7.3 10.9



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 2.180 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

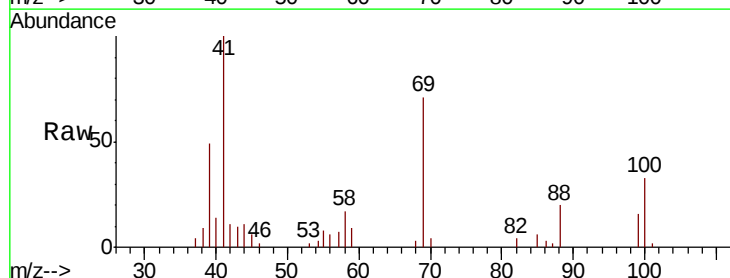
Tgt Ion: 41 Resp: 7226

Ion Ratio Lower Upper

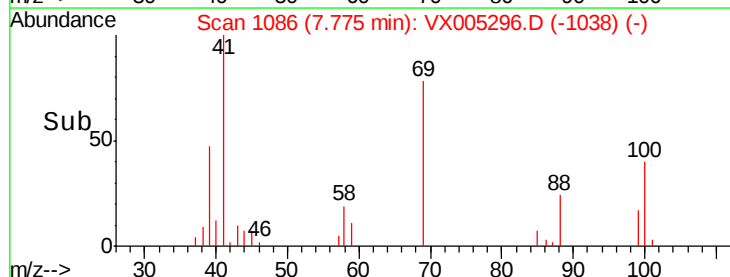
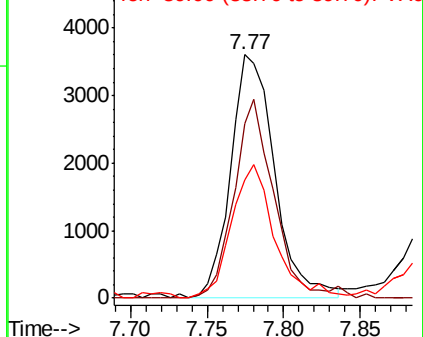
41 100

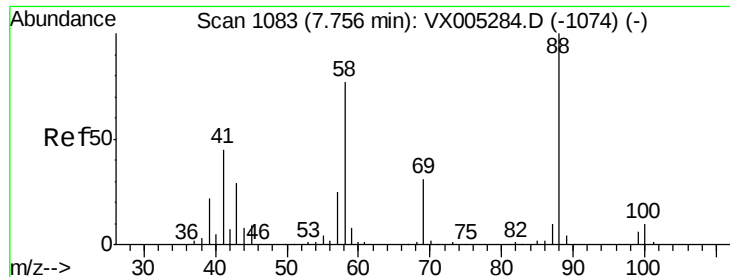
69 74.5 70.2 105.4

39 53.7 42.7 64.1



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0

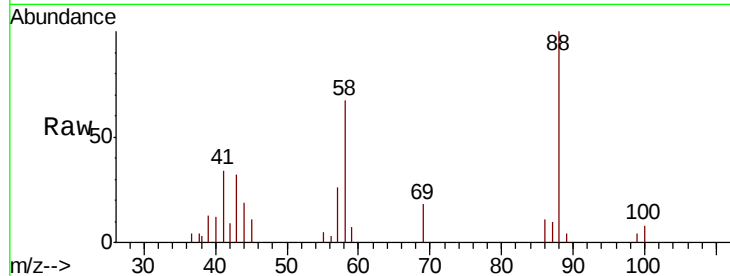




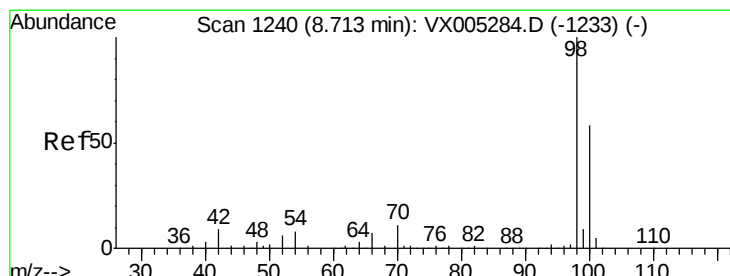
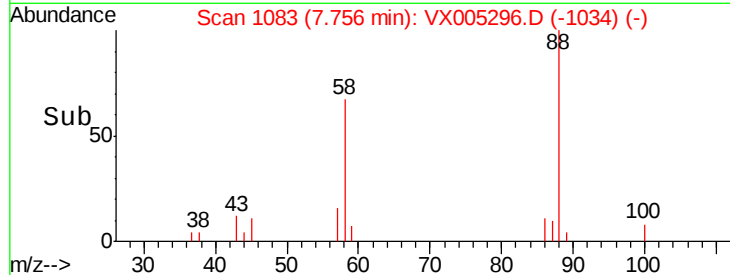
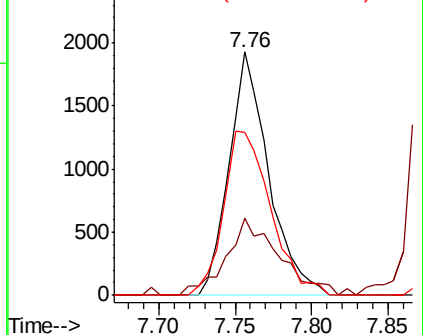
#49
1,4-Dioxane
Concen: 45.458 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tot Ion: 88 Resp: 3476
Ion Ratio Lower Upper
88 100
43 42.8 24.7 37.1#
58 80.0 55.3 82.9

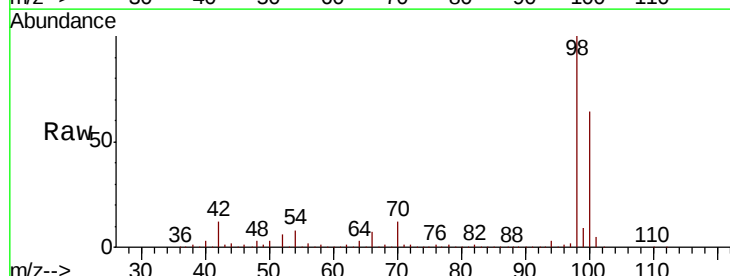


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

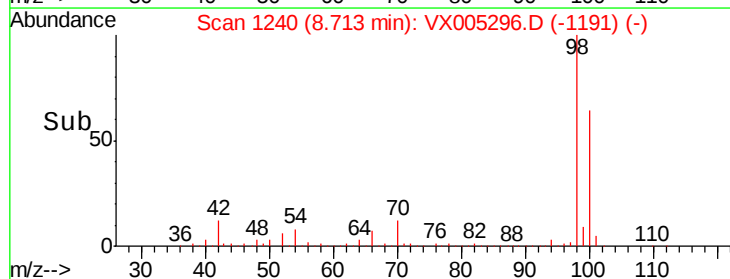
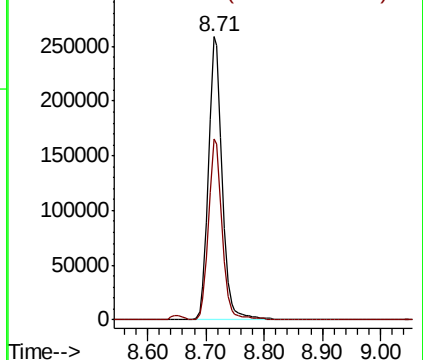


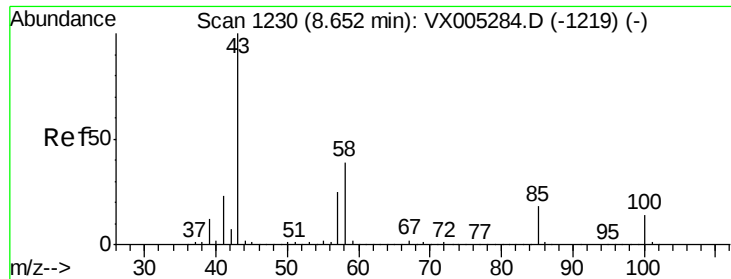
#50
Toluene-d8
Concen: 48.593 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Tgt Ion: 98 Resp: 425690
Ion Ratio Lower Upper
98 100
100 63.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 10.913 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. -0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampled :

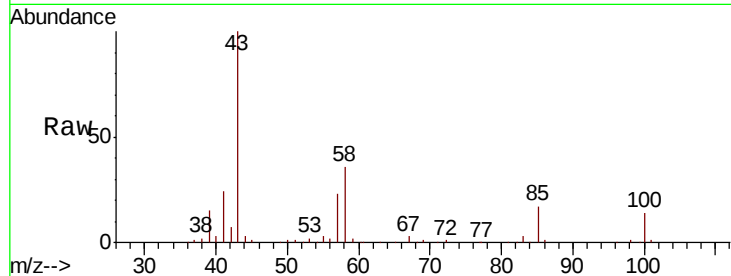
BFB

Tot Ion: 43 Resp: 48302

Ion Ratio Lower Upper

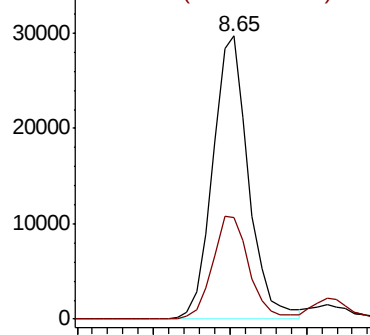
43 100

58 37.1 33.1 49.7

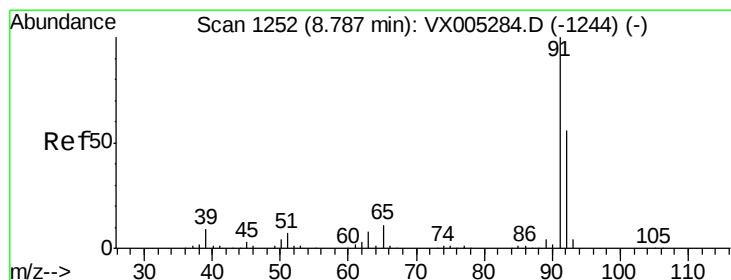
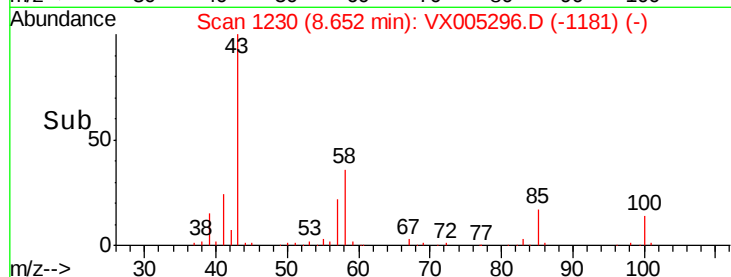


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time--> 8.55 8.60 8.65 8.70



#52

Toluene

Concen: 2.543 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX005296.D

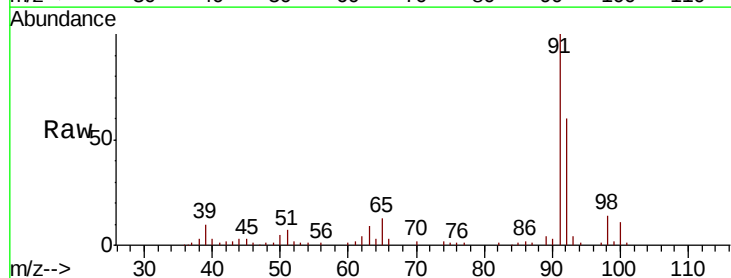
Acq: 12 Oct 2018 16:31

Tgt Ion: 92 Resp: 15570

Ion Ratio Lower Upper

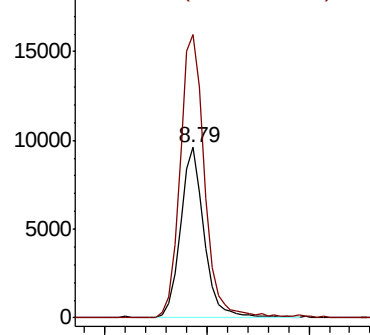
92 100

91 172.2 136.4 204.6

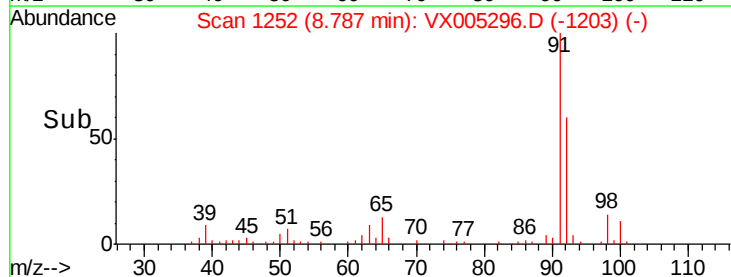


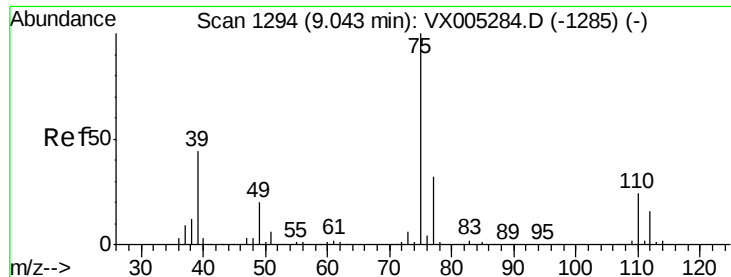
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time--> 8.70 8.80 8.90

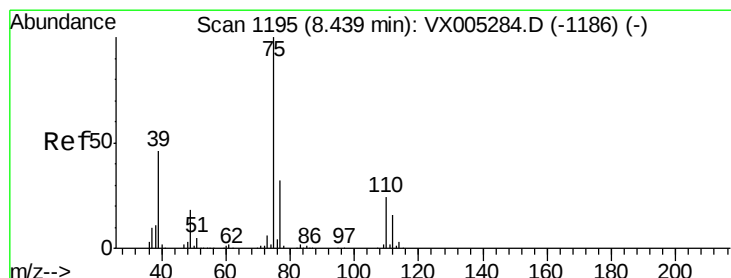
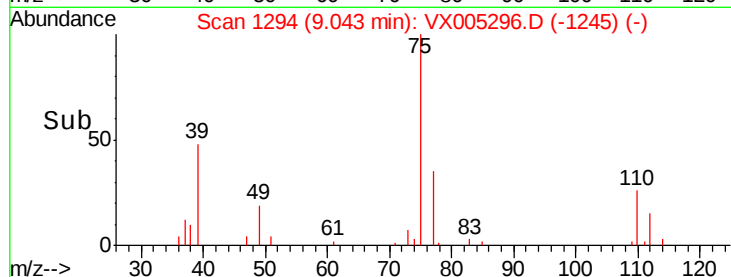
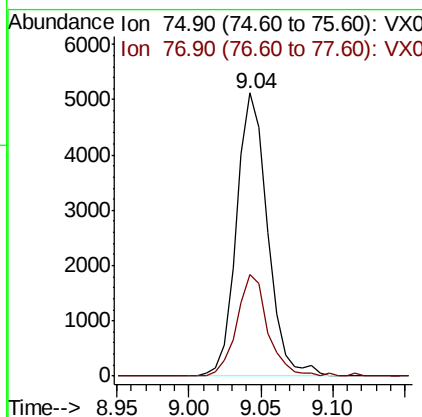
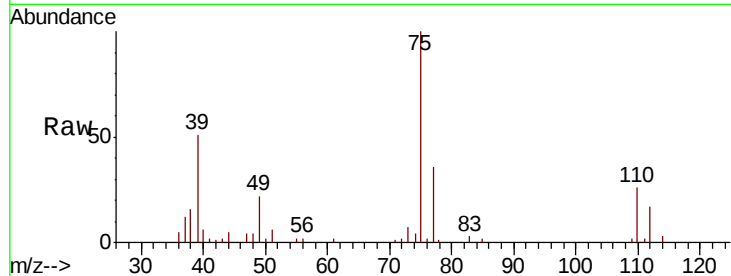




#53
t-1,3-Dichloropropene
Concen: 2.125 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

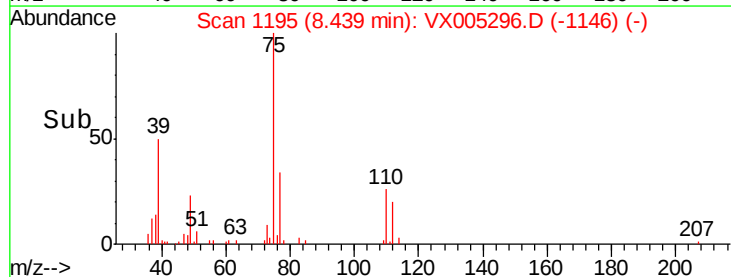
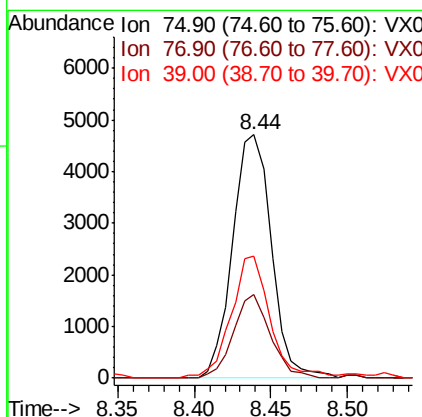
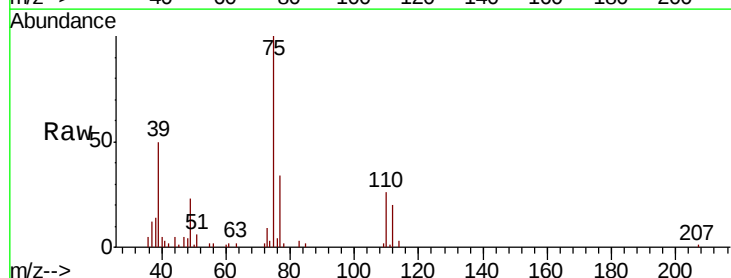
Instrument :
MSVOA_X
ClientSampleId :
BFB

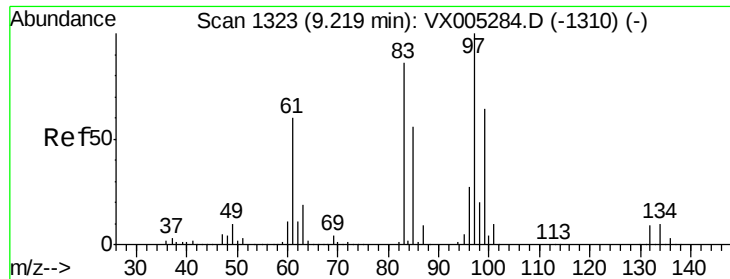
Tot Ion: 75 Resp: 7707
Ion Ratio Lower Upper
75 100
77 35.8 24.6 37.0



#54
cis-1,3-Dichloropropene
Concen: 2.122 ug/l
RT: 8.44 min Scan# 1195
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Tgt Ion: 75 Resp: 8340
Ion Ratio Lower Upper
75 100
77 34.3 26.2 39.2
39 48.6 36.4 54.6

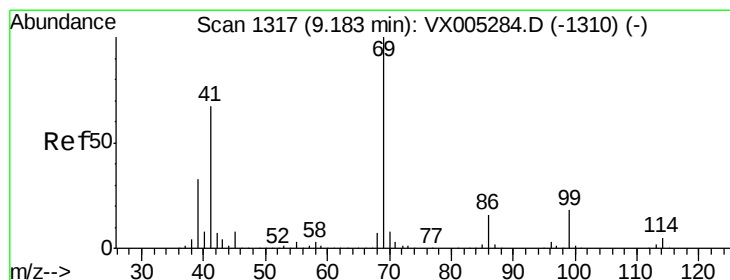
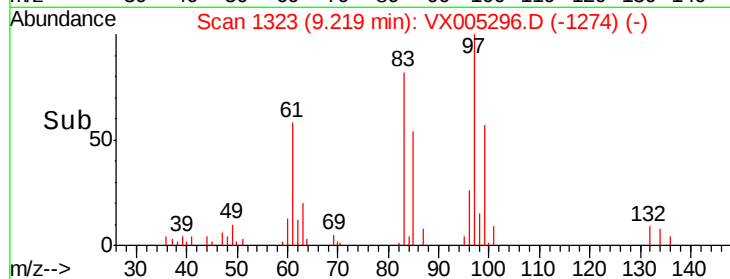
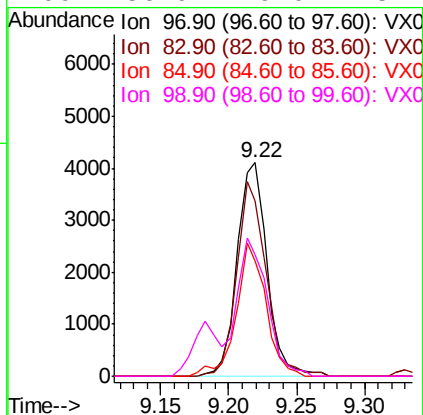
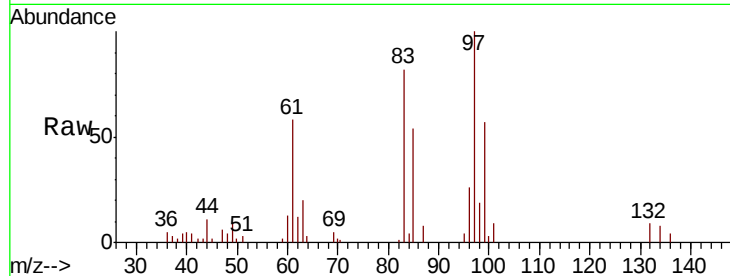




#55
 1,1,2-Trichloroethane
 Concen: 2.439 ug/l
 RT: 9.22 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VX005296.D
 Acq: 12 Oct 2018 16:31

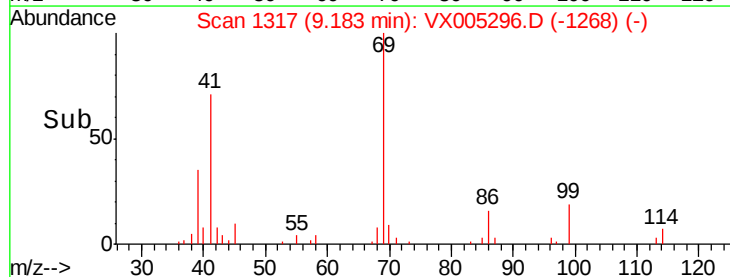
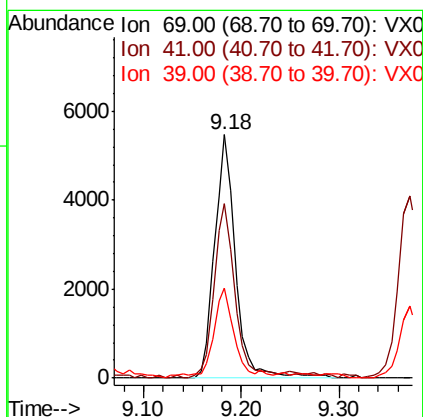
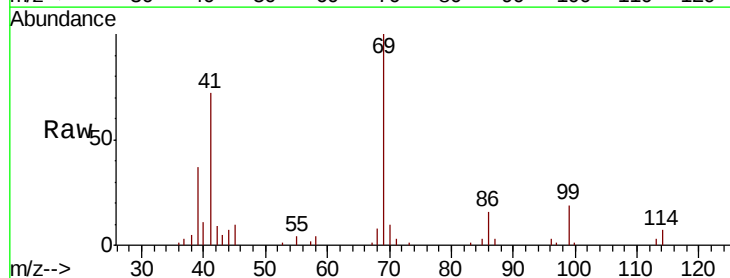
Instrument :
 MSVOA_X
 ClientSampled :
 BFB

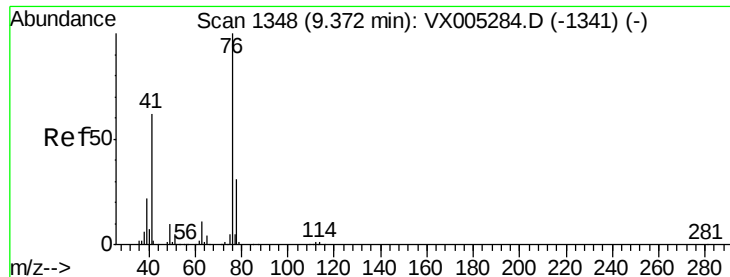
Tot Ion:	97	Resp:	6326
Ion	Ratio	Lower	Upper
97	100		
83	82.1	66.4	99.6
85	54.0	43.3	64.9
99	56.9	49.0	73.4



#56
 Ethyl methacrylate
 Concen: 2.143 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: VX005296.D
 Acq: 12 Oct 2018 16:31

Tgt Ion:	69	Resp:	8102
Ion	Ratio	Lower	Upper
69	100		
41	71.8	51.0	76.4
39	38.1	26.1	39.1





#57

1,3-Dichloropropane

Concen: 2.342 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

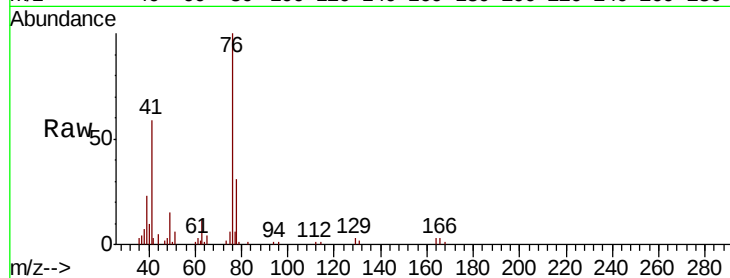
BFB

Tot Ion: 76 Resp: 10140

Ion Ratio Lower Upper

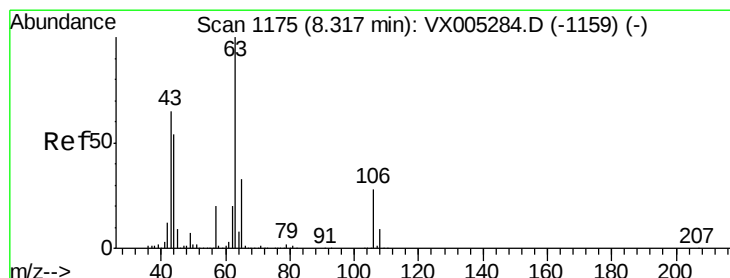
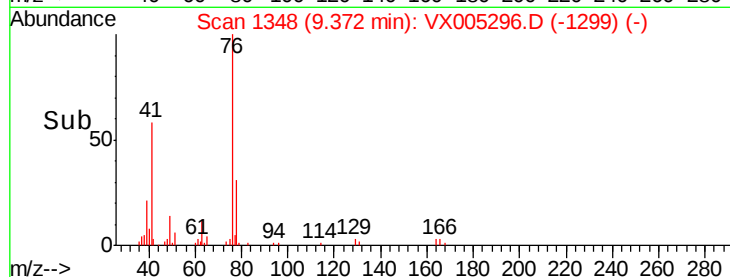
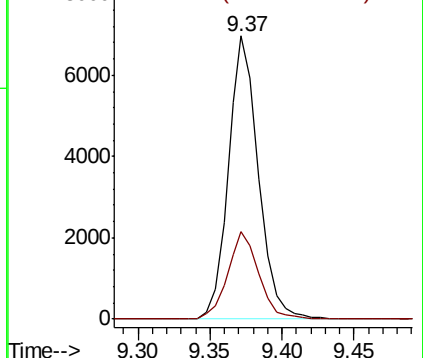
76 100

78 32.0 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 10.155 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VX005296.D

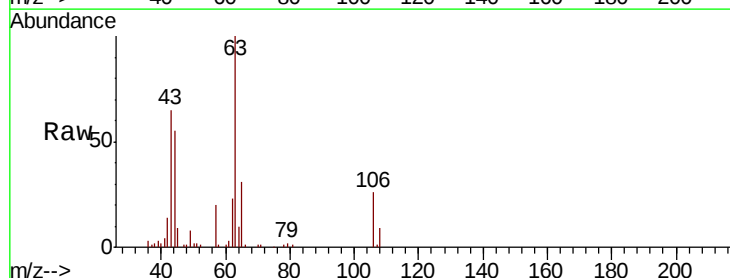
Acq: 12 Oct 2018 16:31

Tgt Ion: 63 Resp: 21533

Ion Ratio Lower Upper

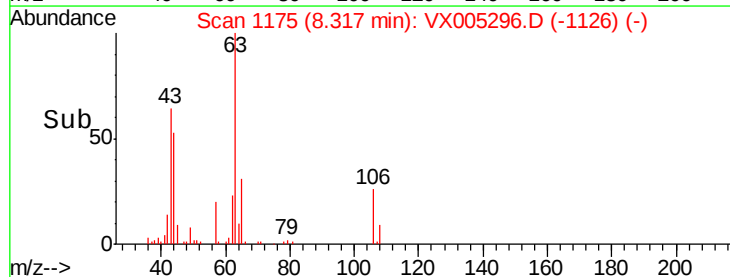
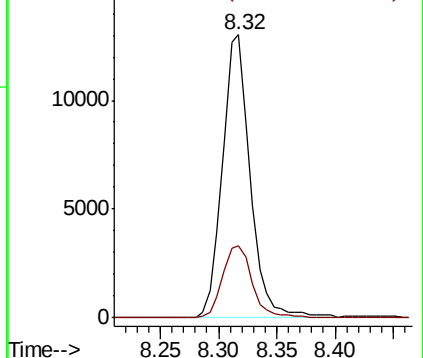
63 100

106 27.0 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

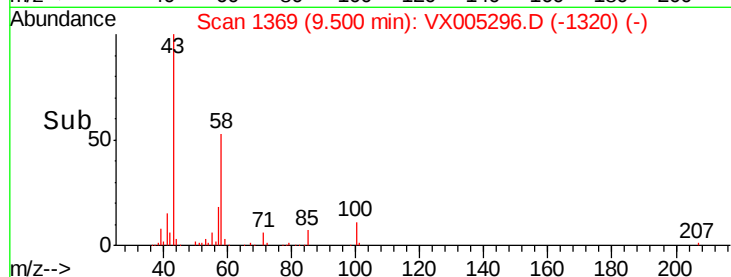
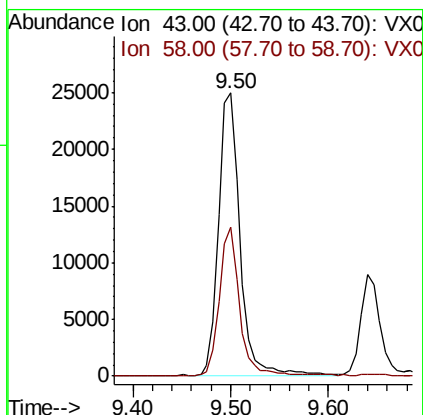
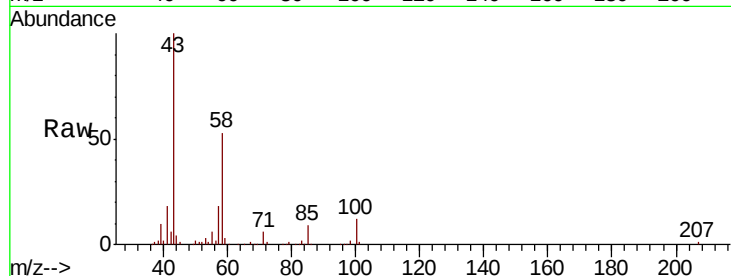




#59
2-Hexanone
Concen: 10.670 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

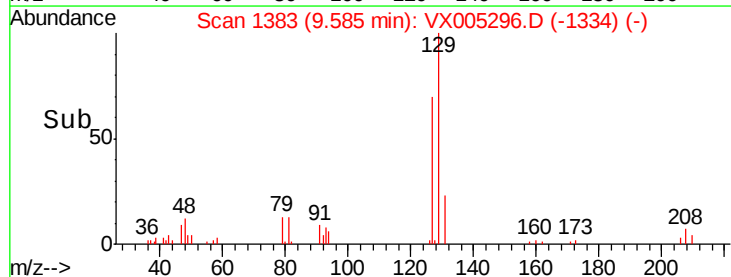
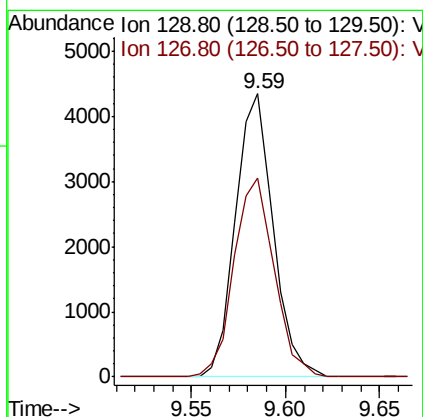
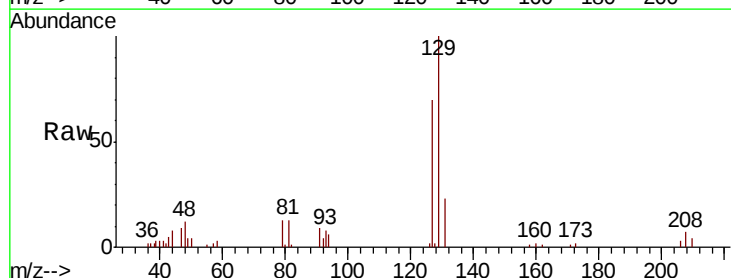
Instrument :
MSVOA_X
ClientSampled :
BFB

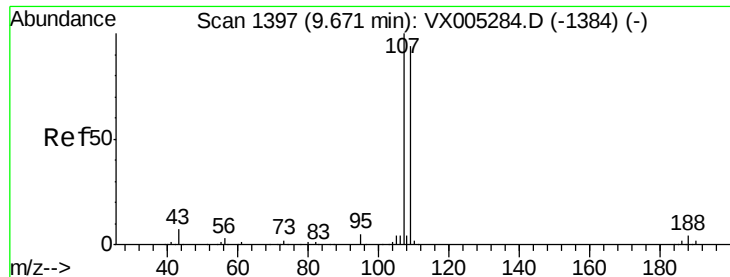
Tot Ion: 43 Resp: 37989
Ion Ratio Lower Upper
43 100
58 49.2 29.0 87.0



#60
Dibromochloromethane
Concen: 2.251 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Tgt Ion:129 Resp: 6035
Ion Ratio Lower Upper
129 100
127 74.8 38.5 115.5





#61

1,2-Dibromoethane

Concen: 2.363 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

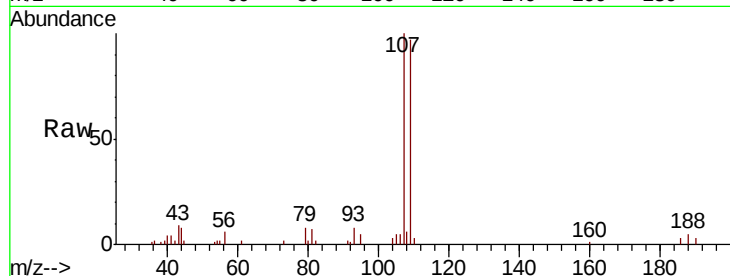
BFB

Tot Ion:107 Resp: 6432

Ion Ratio Lower Upper

107 100

109 95.6 76.0 114.0

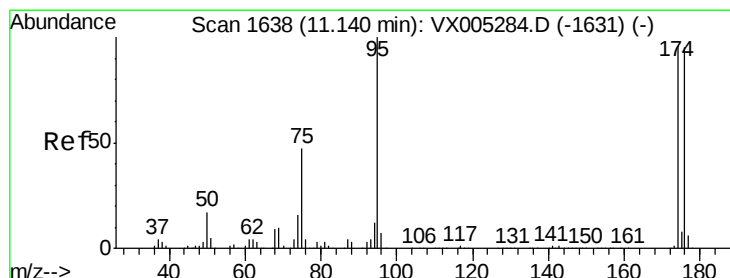
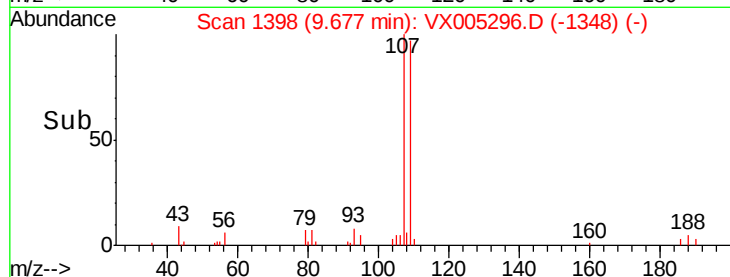


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

Time-->



#62

4-Bromofluorobenzene

Concen: 45.491 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

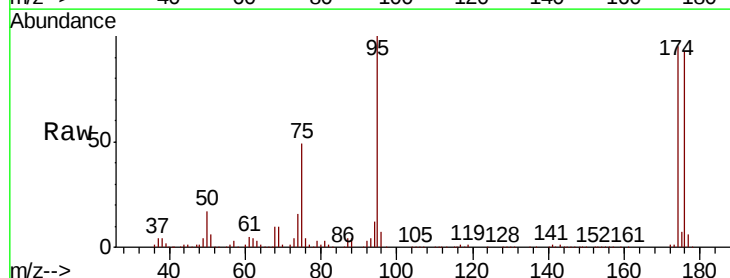
Tgt Ion: 95 Resp: 149707

Ion Ratio Lower Upper

95 100

174 93.8 0.0 185.2

176 91.3 0.0 178.6



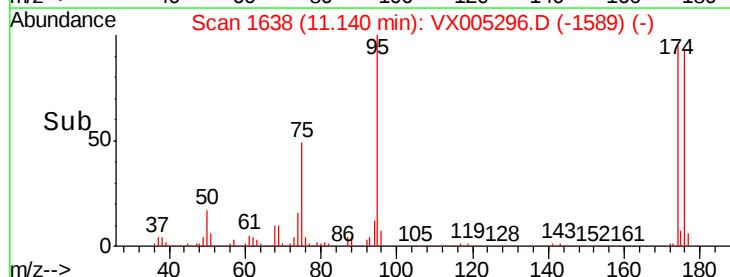
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

Time-->

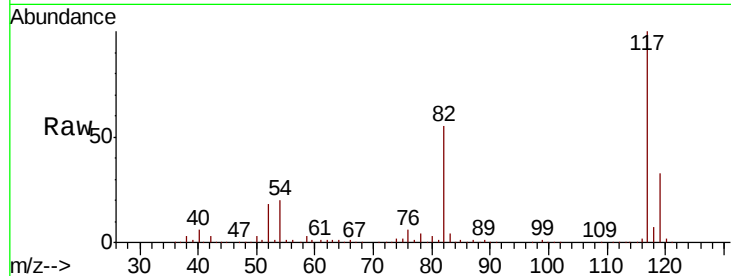




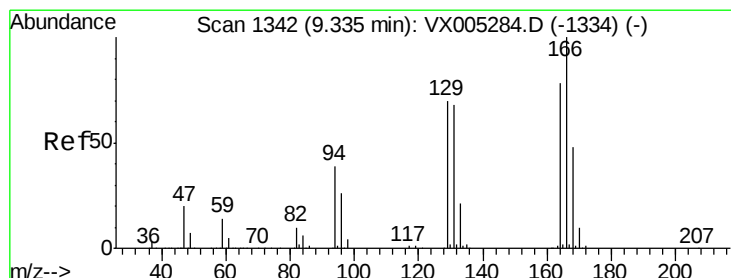
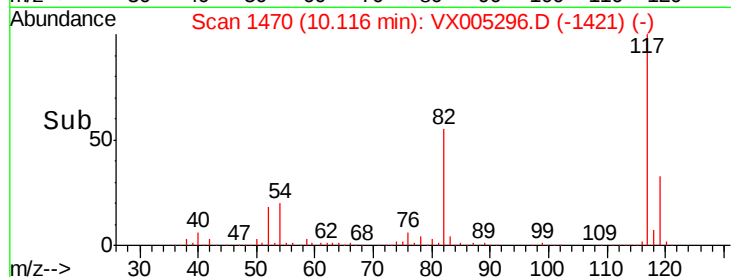
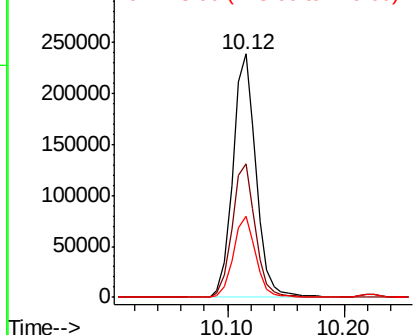
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Instrument :
MSVOA_X
ClientSampleId :
BFB

Tot Ion:117 Resp: 329769
Ion Ratio Lower Upper
117 100
82 55.0 47.8 71.6
119 33.3 29.3 43.9

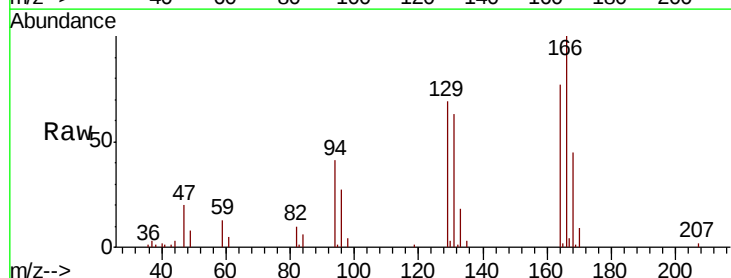


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

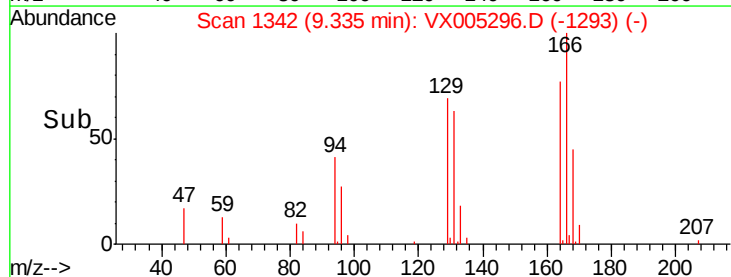
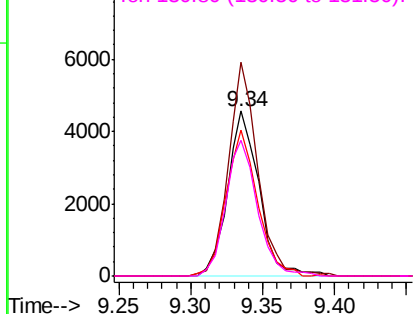


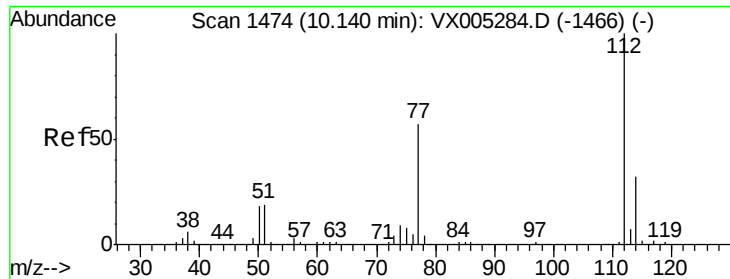
#64
Tetrachloroethene
Concen: 2.617 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Tgt Ion:164 Resp: 6947
Ion Ratio Lower Upper
164 100
166 129.7 102.8 154.2
129 88.9 69.4 104.0
131 82.4 67.9 101.9



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 2.528 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. -0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampled :

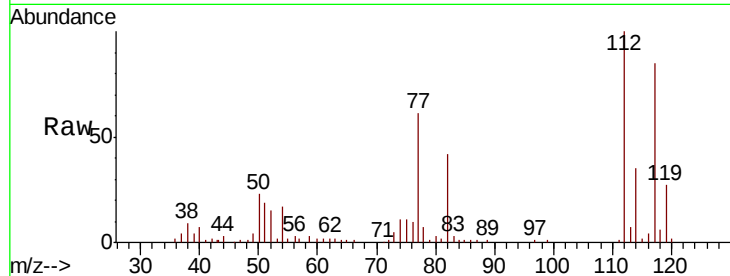
BFB

Tot Ion:112 Resp: 17731

Ion Ratio Lower Upper

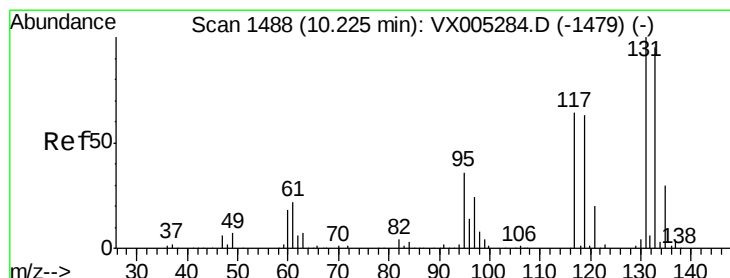
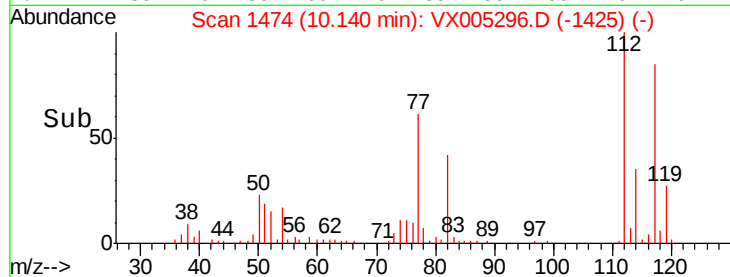
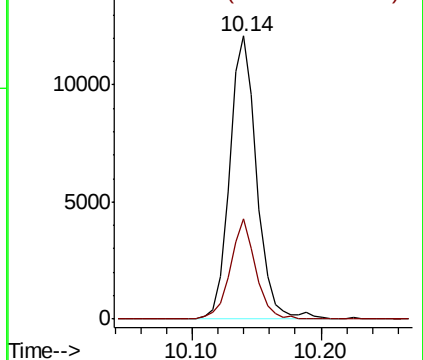
112 100

114 35.4 27.8 41.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 2.453 ug/l

RT: 10.23 min Scan# 1488

Delta R.T. -0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

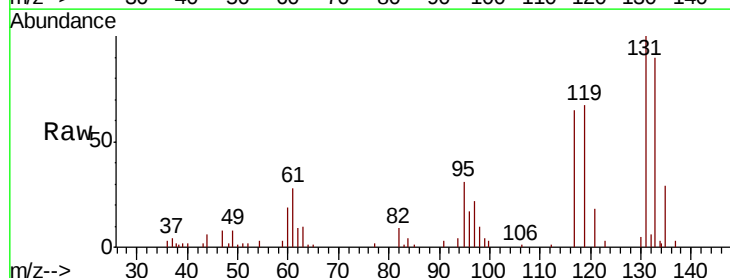
Tgt Ion:131 Resp: 6133

Ion Ratio Lower Upper

131 100

133 92.6 48.1 144.4

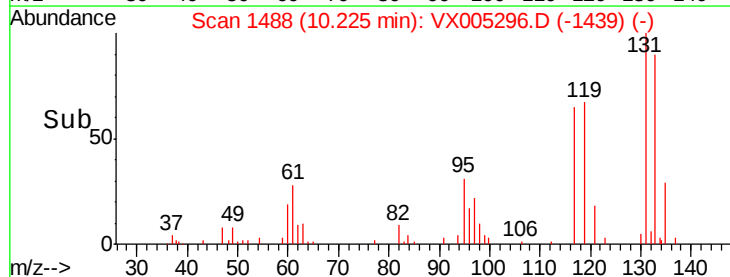
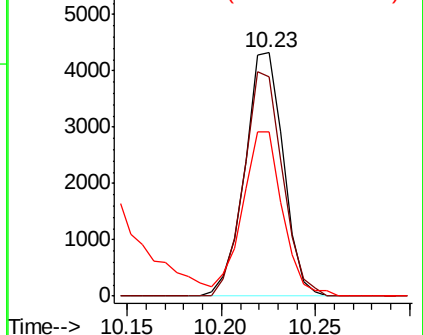
119 70.6 32.9 98.6

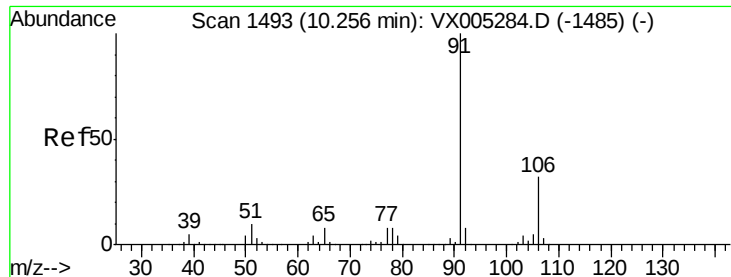


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

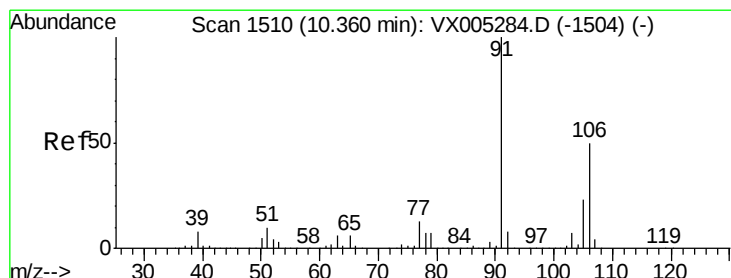
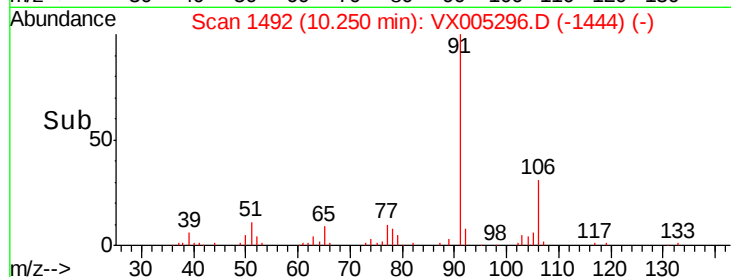
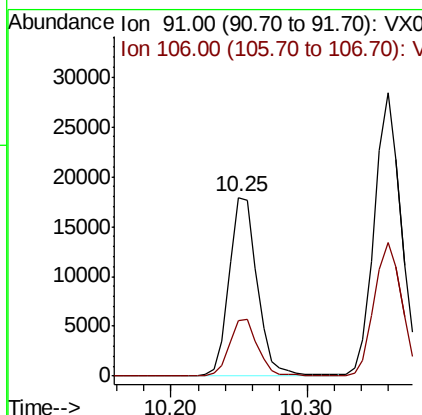
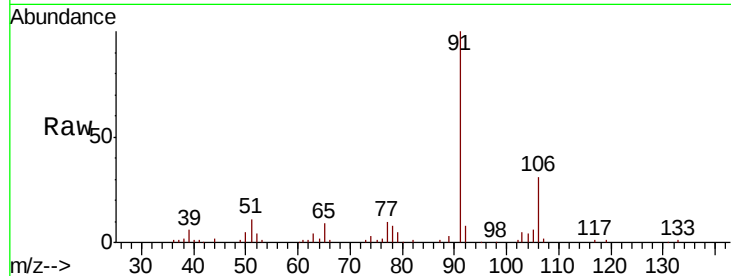




#67
Ethyl Benzene
Concen: 2.276 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

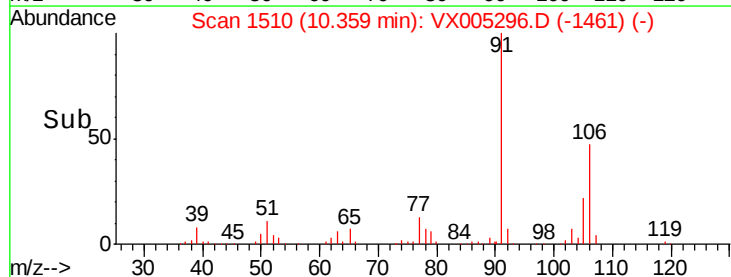
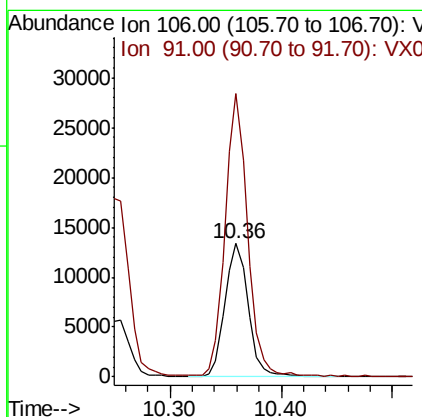
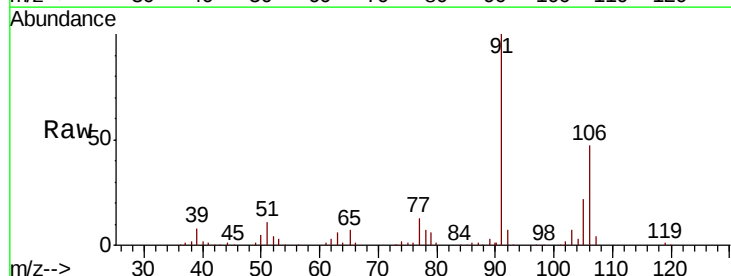
Instrument :
MSVOA_X
ClientSampleId :
BFB

Tot Ion: 91 Resp: 25952
Ion Ratio Lower Upper
91 100
106 31.1 25.9 38.9



#68
m/p-Xylenes
Concen: 4.411 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Tgt Ion: 106 Resp: 19522
Ion Ratio Lower Upper
106 100
91 202.9 157.1 235.7

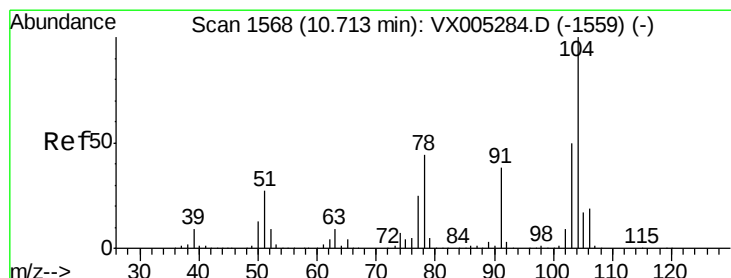
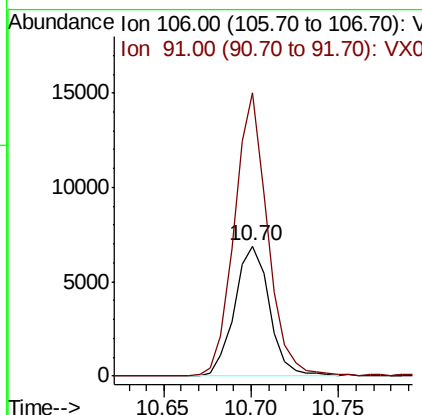
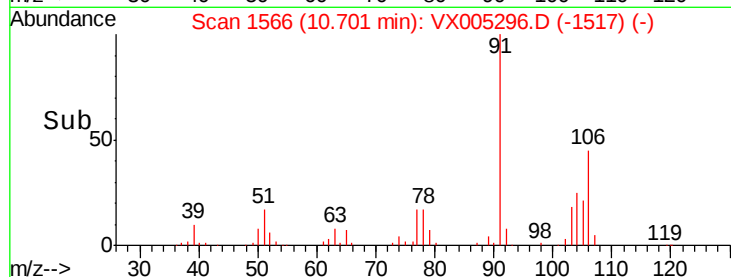
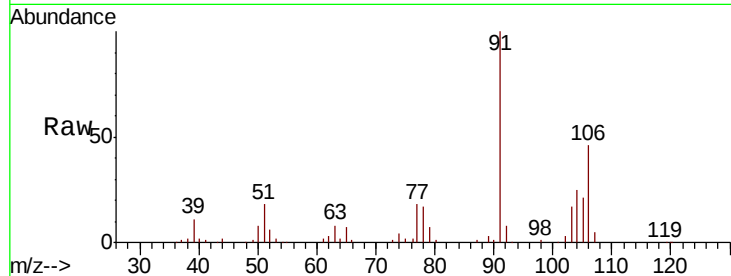




#69
o-Xylene
Concen: 2.240 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

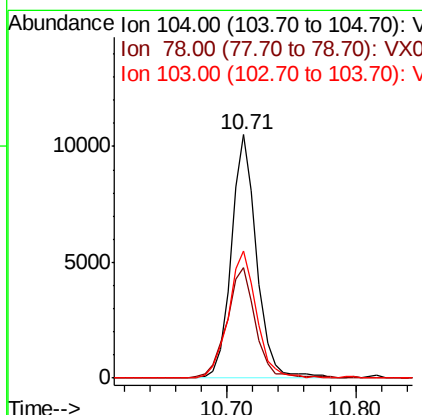
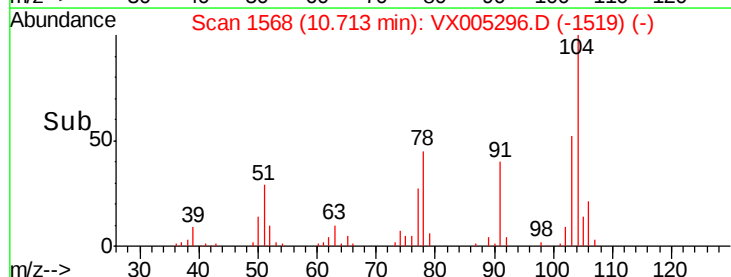
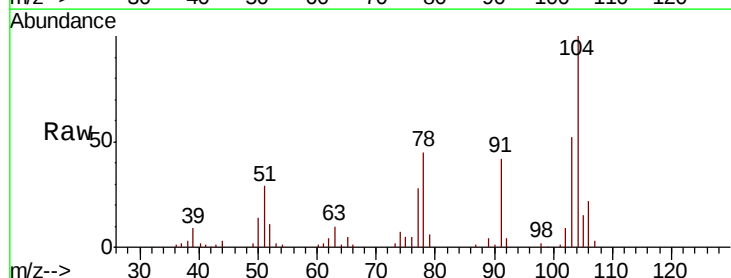
Instrument :
MSVOA_X
ClientSampleId :
BFB

Tot Ion:106 Resp: 9562
Ion Ratio Lower Upper
106 100
91 207.0 105.1 315.1



#70
Styrene
Concen: 2.048 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Tgt Ion:104 Resp: 14377
Ion Ratio Lower Upper
104 100
78 51.8 37.4 56.0
103 58.1 43.8 65.6

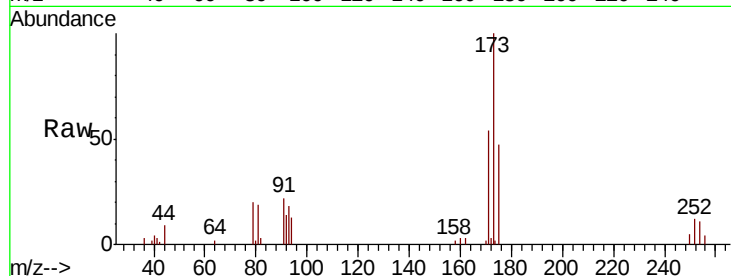




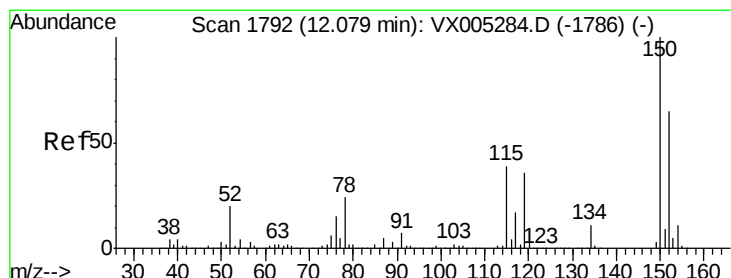
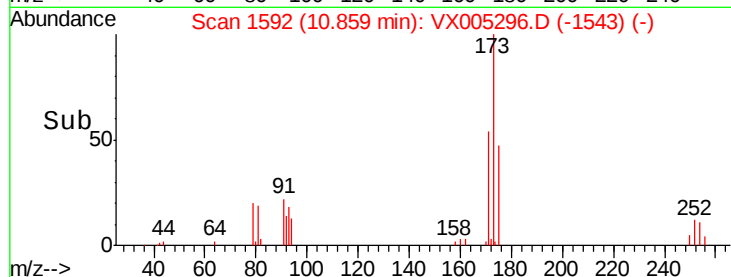
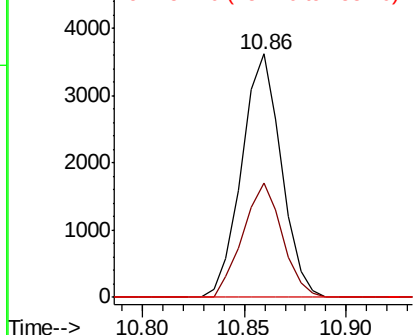
#71
Bromoform
Concen: 2.182 ug/l
RT: 10.86 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Instrument :
MSVOA_X
ClientSampled :
BFB

Tot Ion:173 Resp: 4874
Ion Ratio Lower Upper
173 100
175 46.8 24.1 72.3
254 0.0 0.2 0.2#

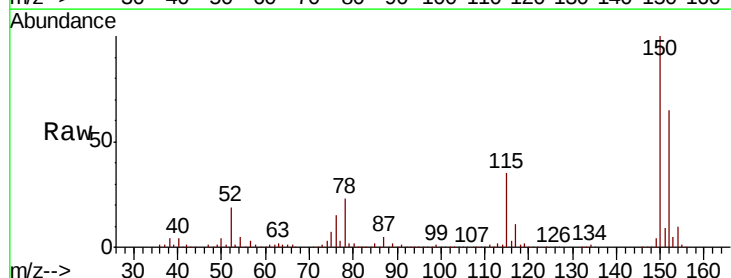


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

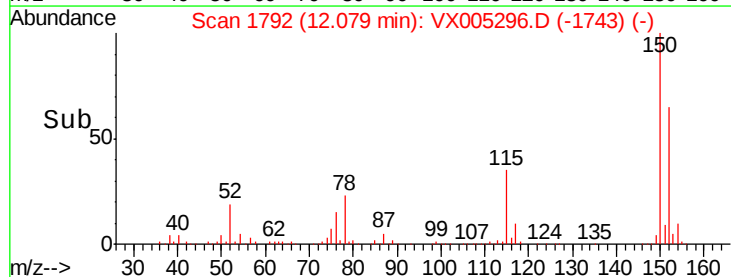
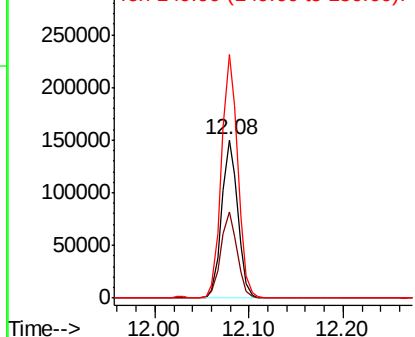


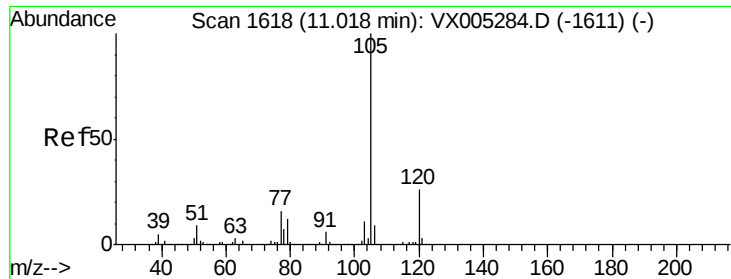
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Tgt Ion:152 Resp: 177385
Ion Ratio Lower Upper
152 100
115 55.7 39.0 117.0
150 156.6 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.321 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

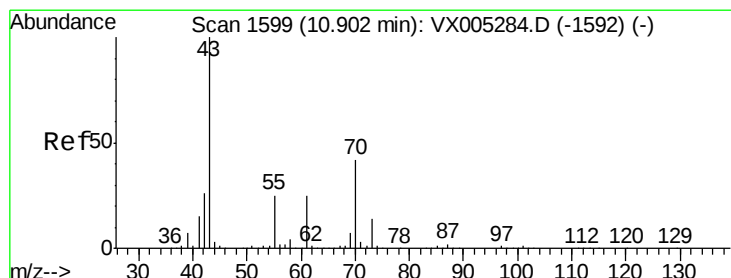
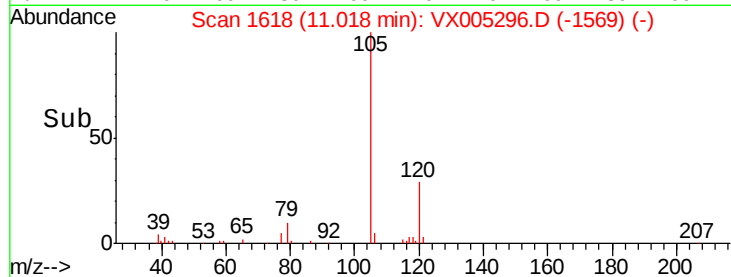
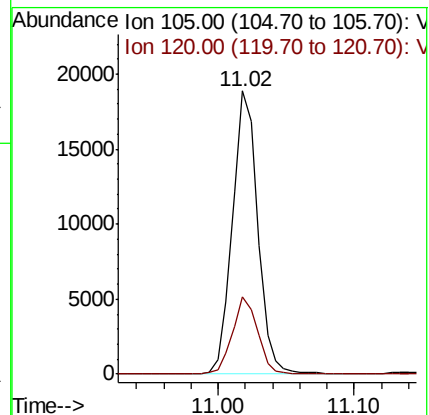
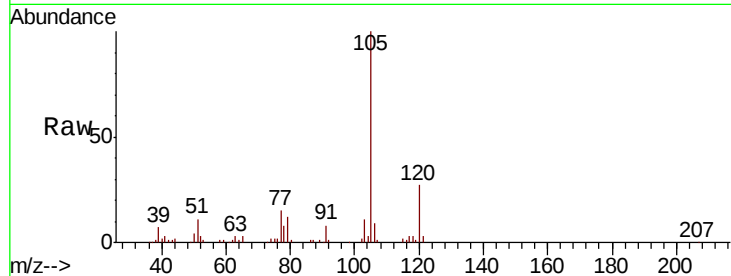
BFB

Tot Ion:105 Resp: 24476

Ion Ratio Lower Upper

105 100

120 27.1 13.5 40.4



#74

N-ethyl acetate

Concen: 2.290 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.01 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Tgt Ion: 43 Resp: 11649

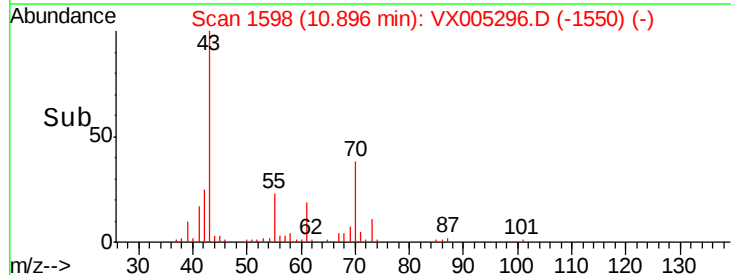
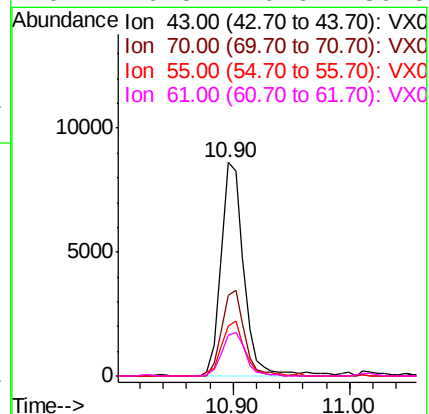
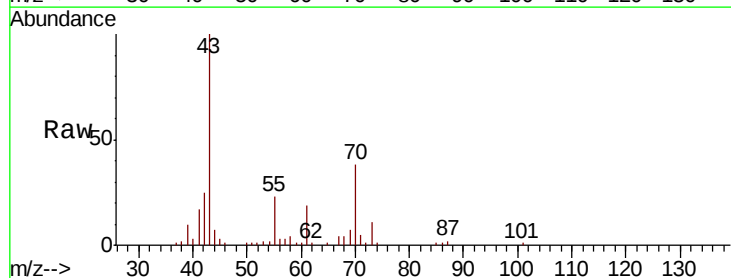
Ion Ratio Lower Upper

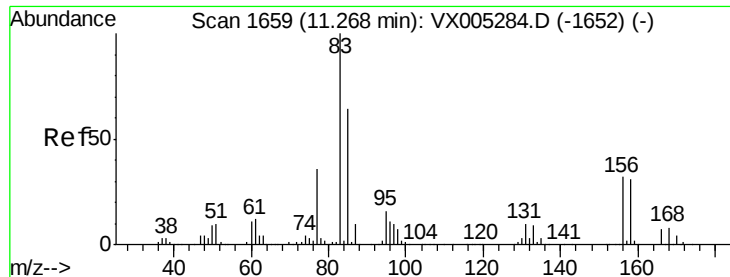
43 100

70 39.3 37.4 56.0

55 25.6 21.8 32.8

61 20.8 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 2.557 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

BFB

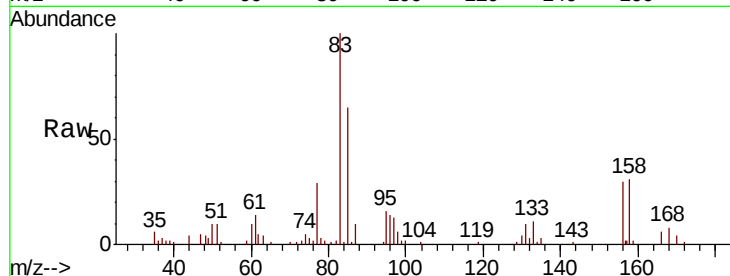
Tot Ion: 83 Resp: 10173

Ion Ratio Lower Upper

83 100

131 11.0 5.2 15.6

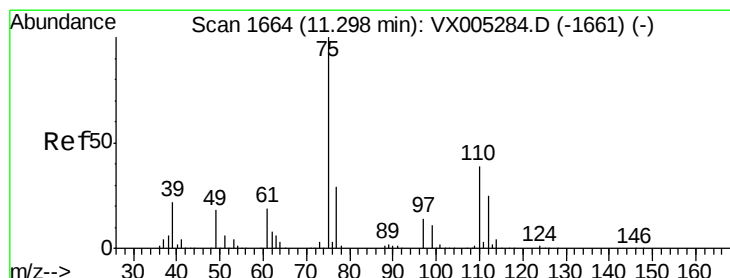
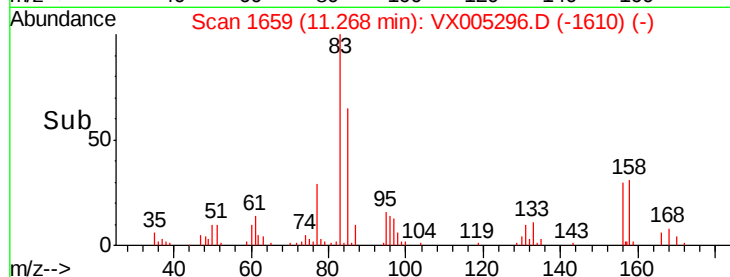
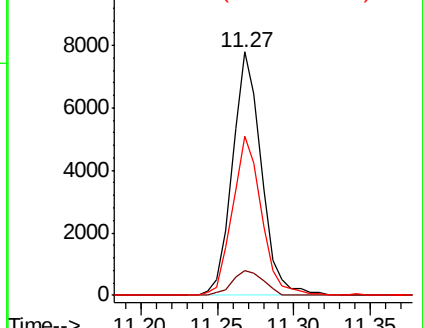
85 65.8 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VX005284.D (-1652) (-)

Ion 130.80 (130.50 to 131.50): VX005284.D (-1652) (-)

Ion 84.90 (84.60 to 85.60): VX005284.D (-1652) (-)



#76

1,2,3-Trichloropropane

Concen: 3.216 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. -0.00 min

Lab File: VX005296.D

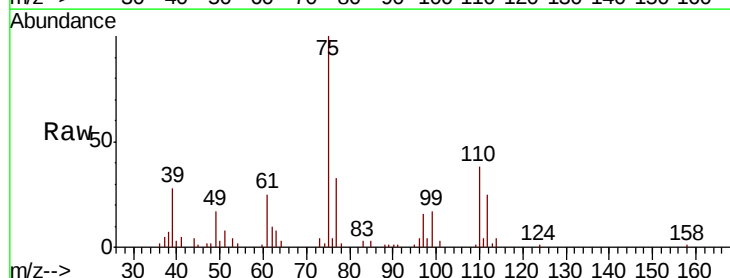
Acq: 12 Oct 2018 16:31

Tgt Ion: 75 Resp: 11066

Ion Ratio Lower Upper

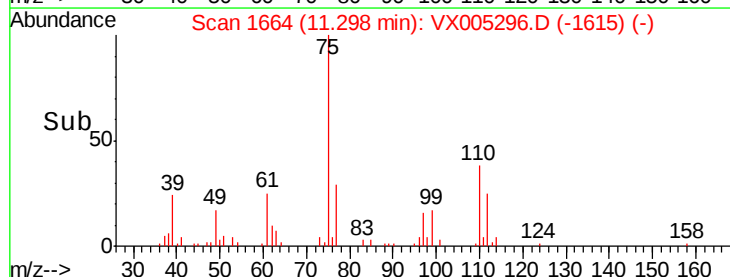
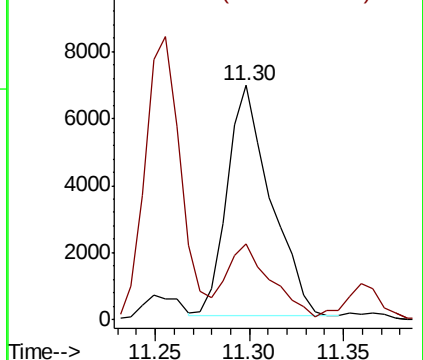
75 100

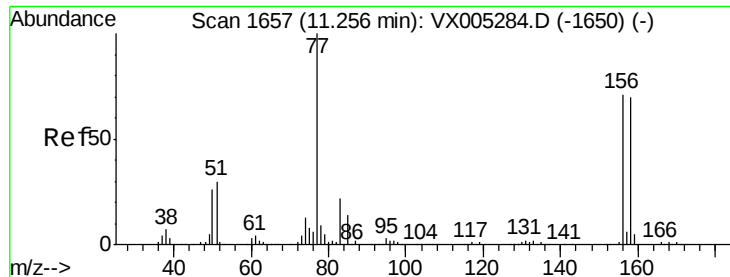
77 33.5 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX005284.D (-1661) (-)

Ion 77.00 (76.70 to 77.70): VX005284.D (-1661) (-)





#77

Bromobenzene

Concen: 2.656 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

BFB

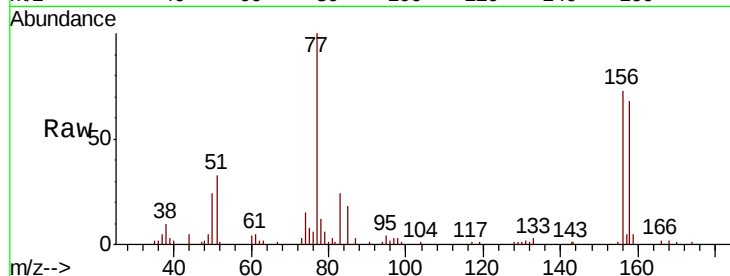
Tot Ion:156 Resp: 8007

Ion Ratio Lower Upper

156 100

77 140.1 71.5 214.3

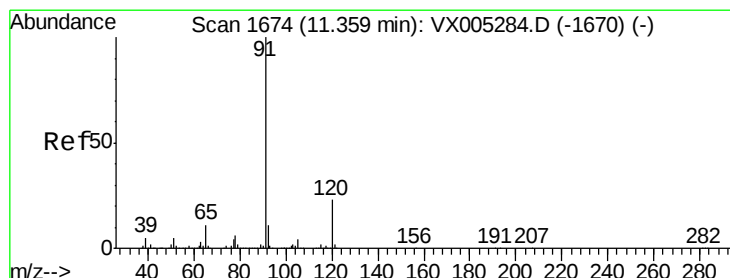
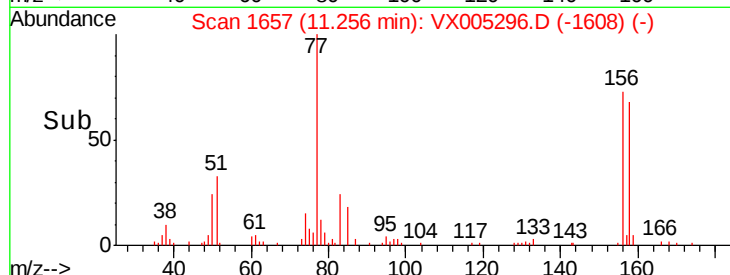
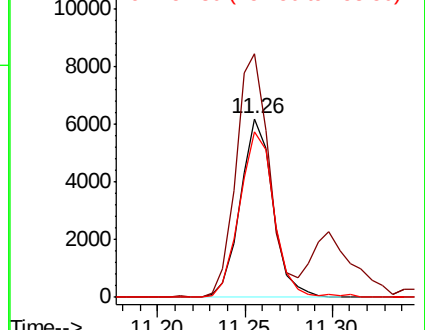
158 98.3 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 2.410 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX005296.D

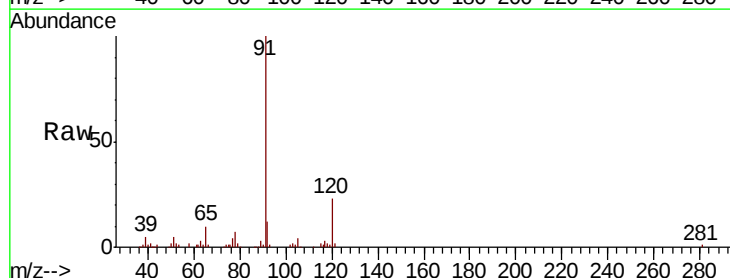
Acq: 12 Oct 2018 16:31

Tgt Ion: 91 Resp: 29250

Ion Ratio Lower Upper

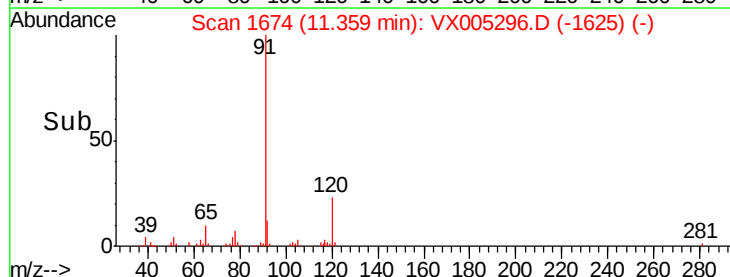
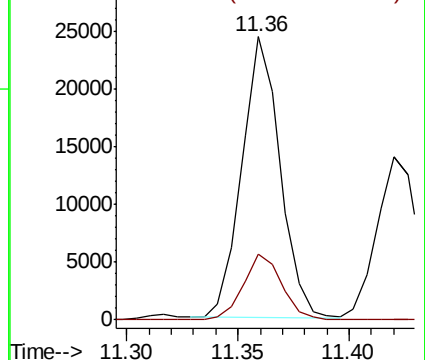
91 100

120 23.6 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

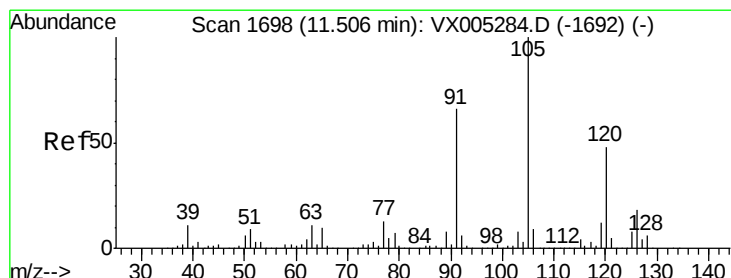
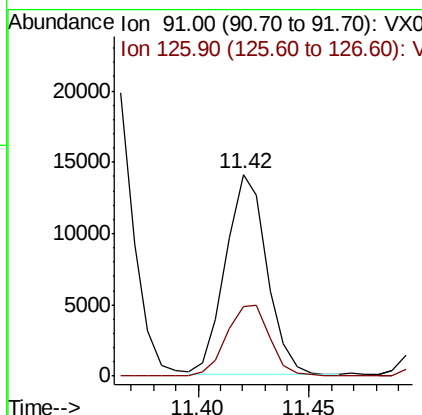
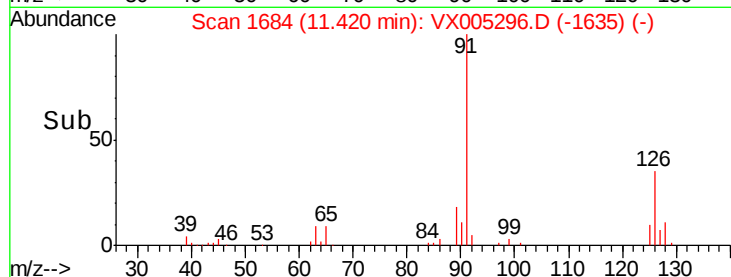
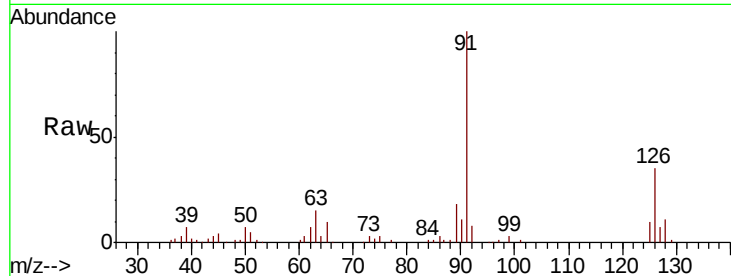




#79
 2-Chlorotoluene
 Concen: 2.423 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. -0.00 min
 Lab File: VX005296.D
 Acq: 12 Oct 2018 16:31

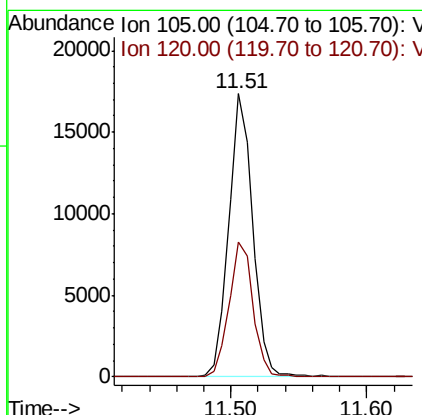
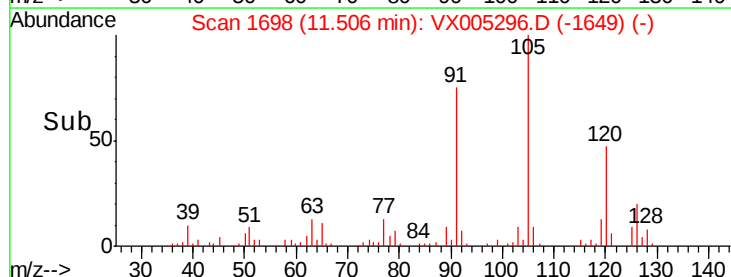
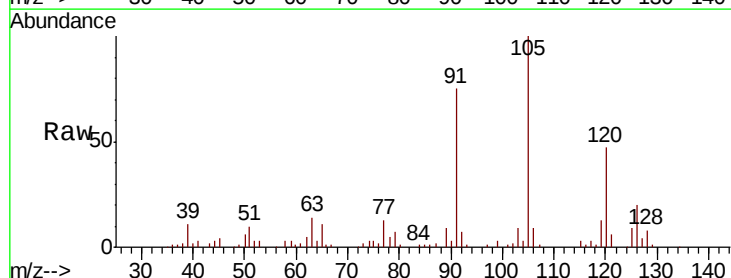
Instrument :
 MSVOA_X
 ClientSampled :
 BFB

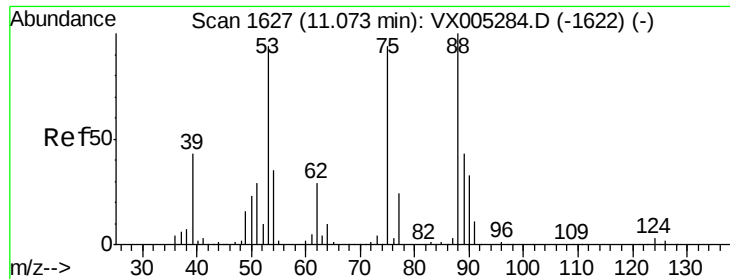
Tot Ion: 91 Resp: 18010
 Ion Ratio Lower Upper
 91 100
 126 37.6 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 2.355 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX005296.D
 Acq: 12 Oct 2018 16:31

Tgt Ion: 105 Resp: 21264
 Ion Ratio Lower Upper
 105 100
 120 47.8 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 2.091 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

BFB

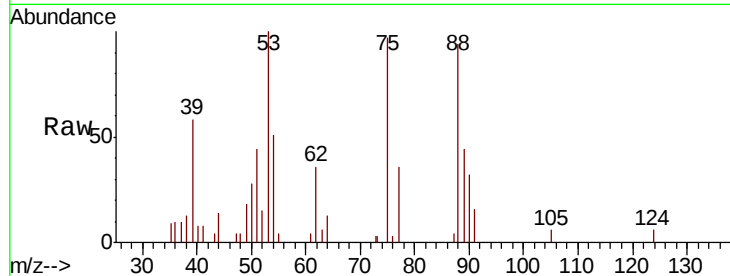
Tot Ion: 75 Resp: 2368

Ion Ratio Lower Upper

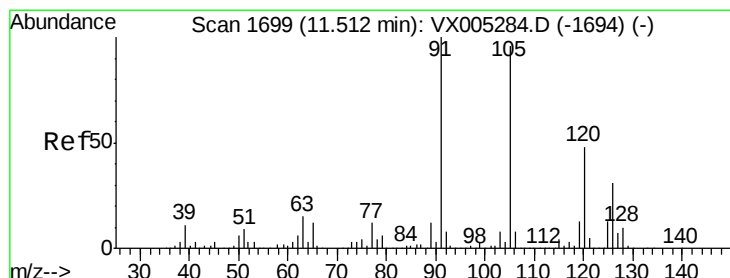
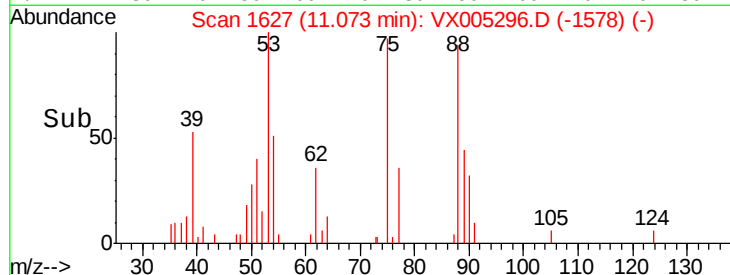
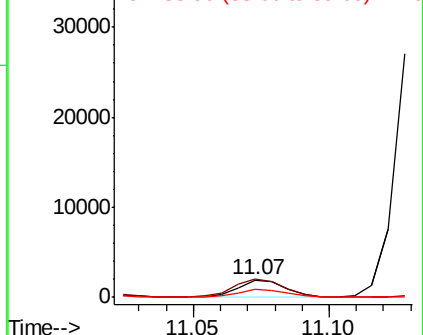
75 100

53 111.9 80.1 120.1

89 49.0 37.2 55.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 2.428 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX005296.D

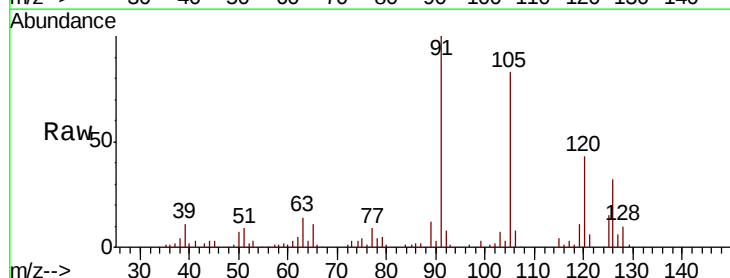
Acq: 12 Oct 2018 16:31

Tgt Ion: 91 Resp: 21394

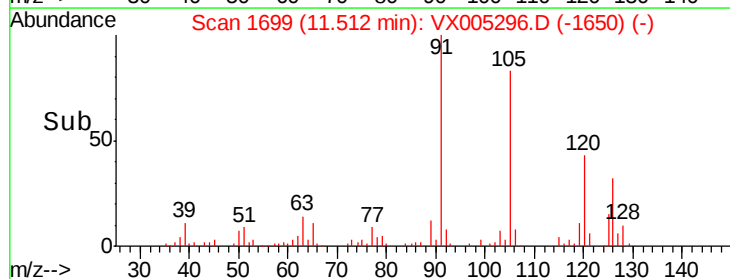
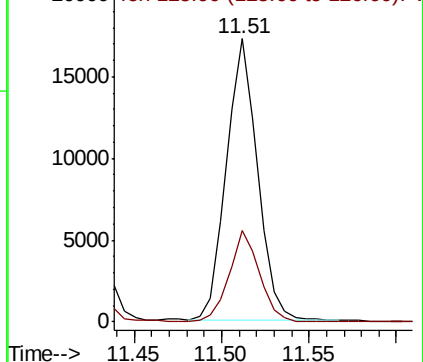
Ion Ratio Lower Upper

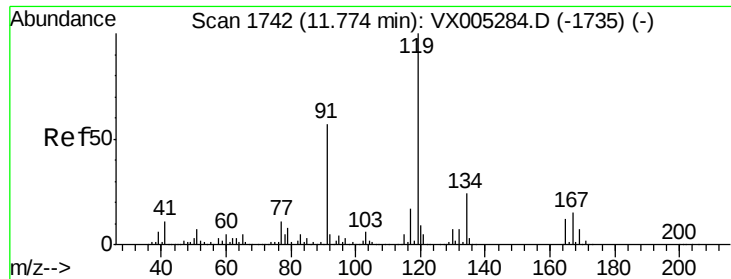
91 100

126 31.6 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 2.315 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.01 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

BFB

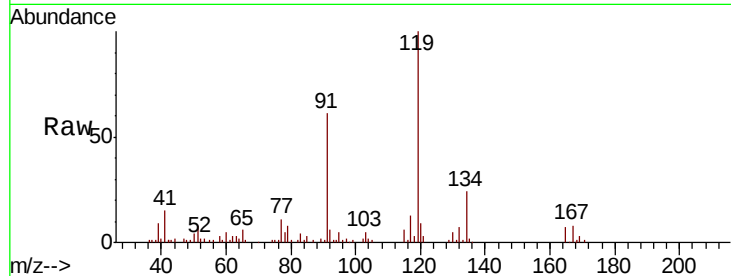
Tot Ion:119 Resp: 21170

Ion Ratio Lower Upper

119 100

91 57.3 27.0 81.0

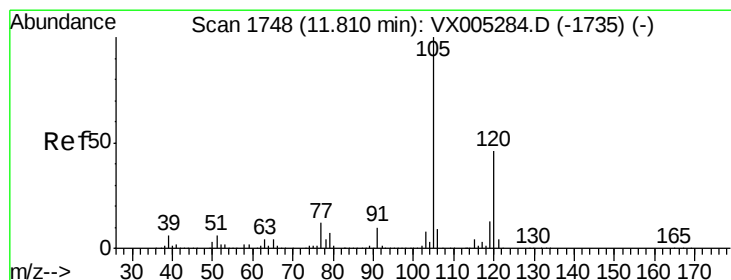
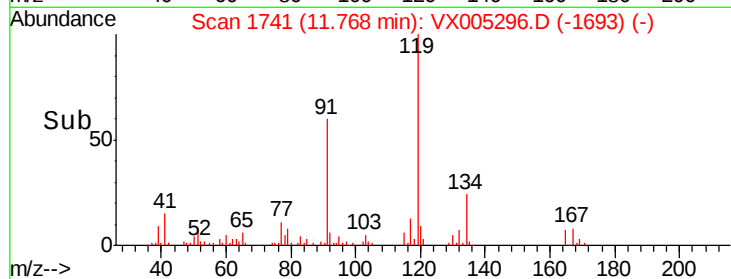
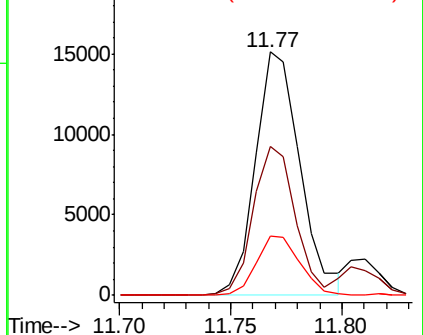
134 23.8 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 2.241 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.01 min

Lab File: VX005296.D

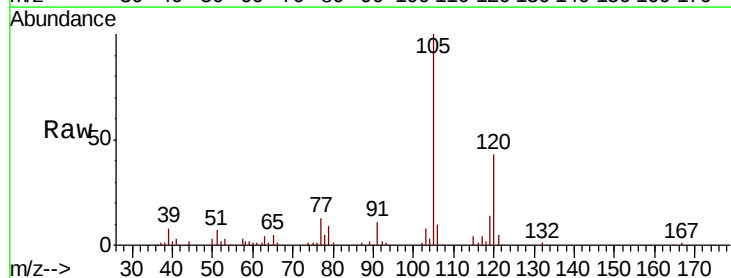
Acq: 12 Oct 2018 16:31

Tgt Ion:105 Resp: 20823

Ion Ratio Lower Upper

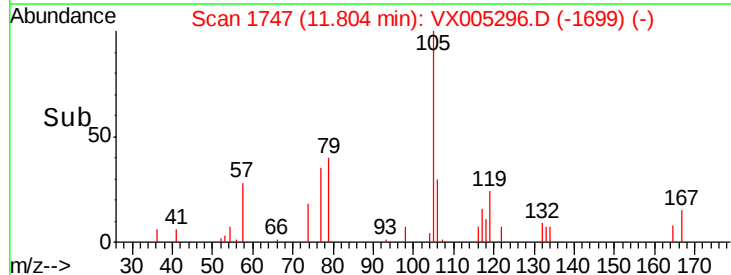
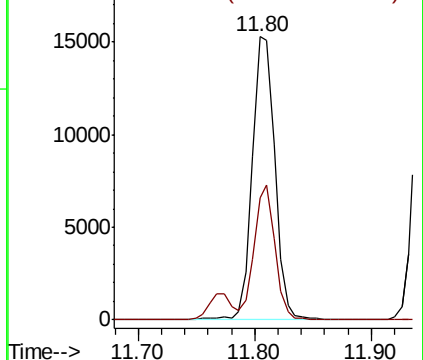
105 100

120 43.5 23.2 69.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 2.283 ug/l

RT: 11.95 min Scan# 1771

Delta R.T. 0.01 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

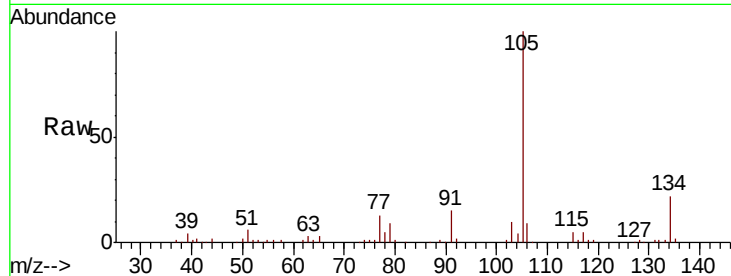
BFB

Tot Ion:105 Resp: 24703

Ion Ratio Lower Upper

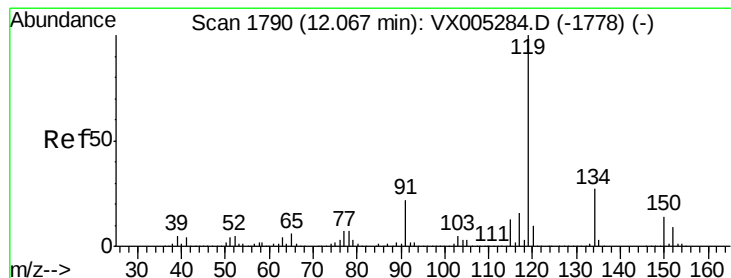
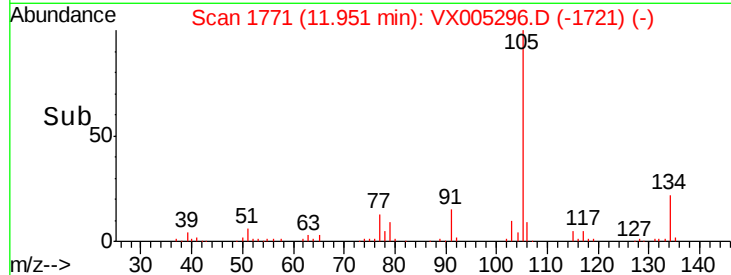
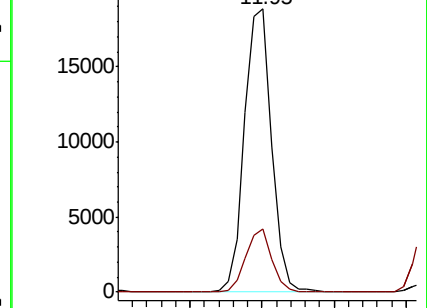
105 100

134 21.2 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.217 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. -0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

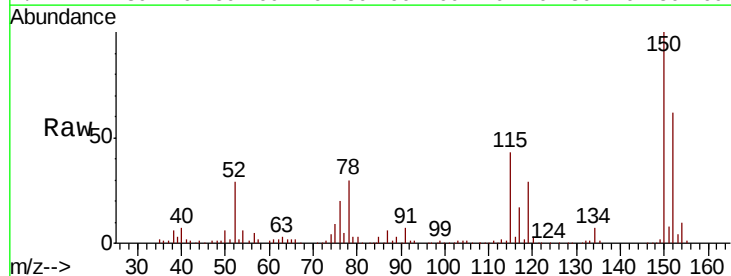
Tgt Ion:119 Resp: 21684

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

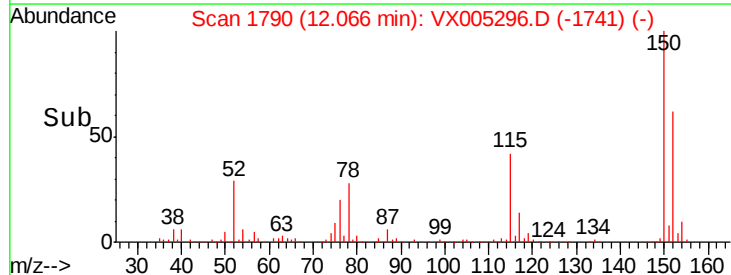
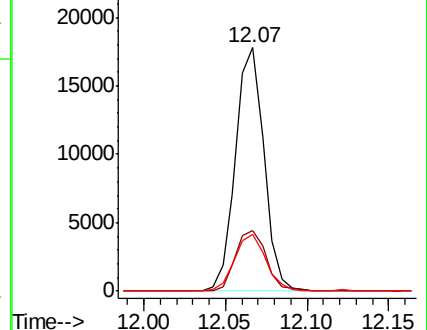
91 25.9 10.9 32.7

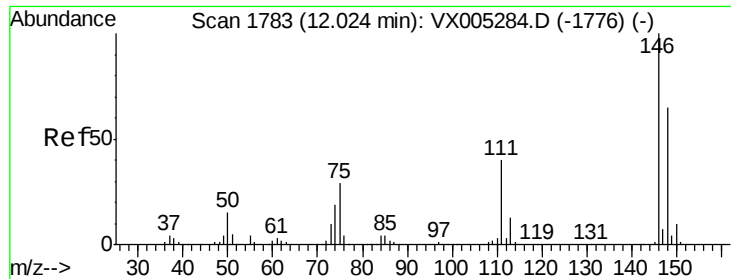


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





#87

1,3-Dichlorobenzene

Concen: 2.552 ug/l

RT: 12.03 min Scan# 1784

Delta R.T. 0.01 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

Instrument :

MSVOA_X

ClientSampled :

BFB

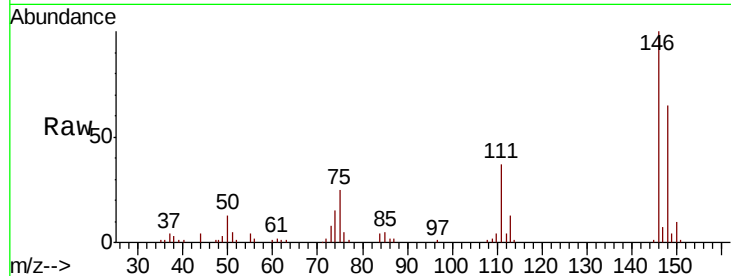
Tot Ion:146 Resp: 14379

Ion Ratio Lower Upper

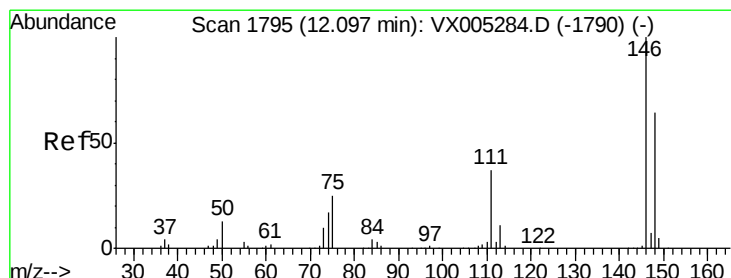
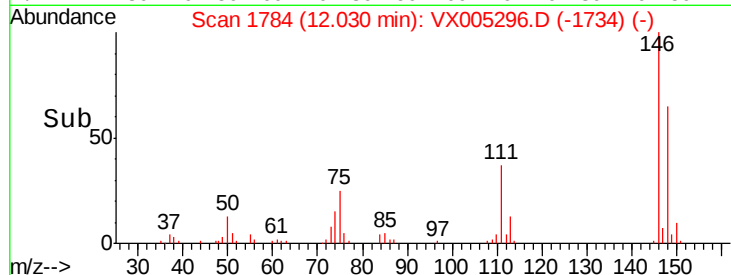
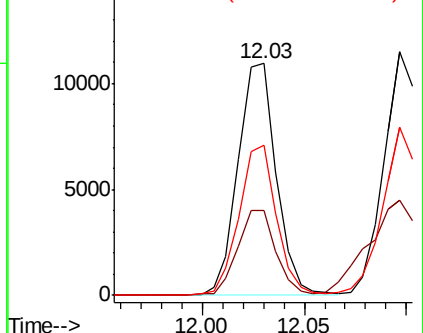
146 100

111 36.7 18.7 56.1

148 62.8 32.1 96.5



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 2.527 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX005296.D

Acq: 12 Oct 2018 16:31

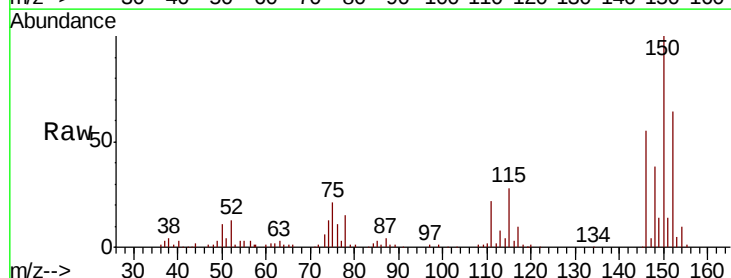
Tgt Ion:146 Resp: 14563

Ion Ratio Lower Upper

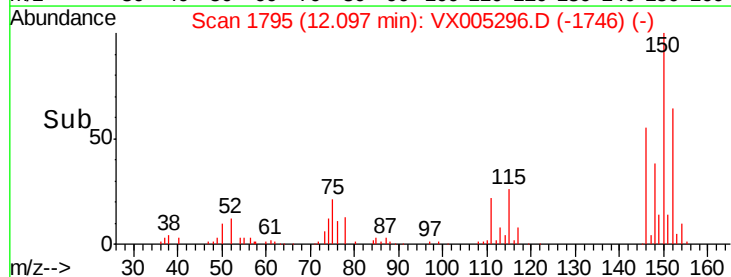
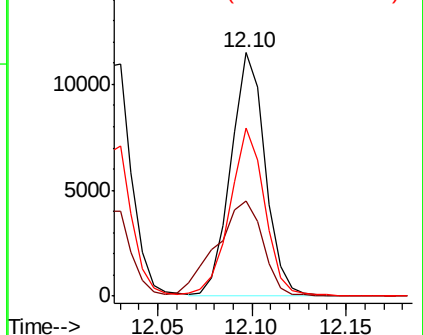
146 100

111 53.0 18.1 54.1

148 70.8 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

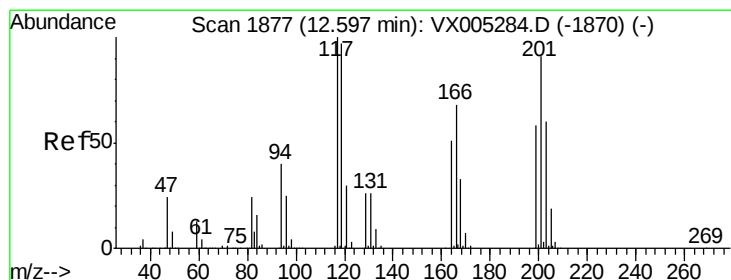
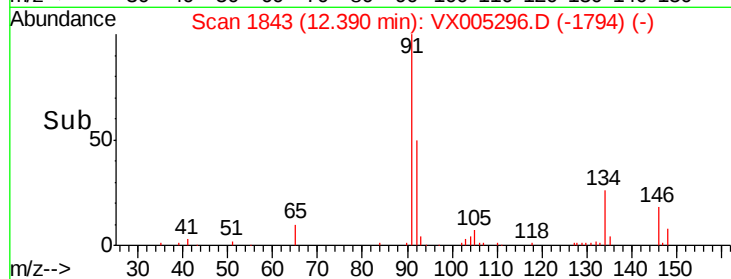
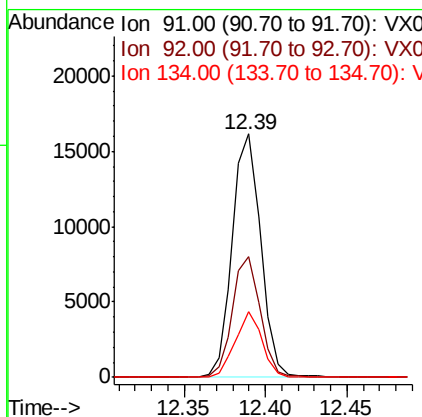
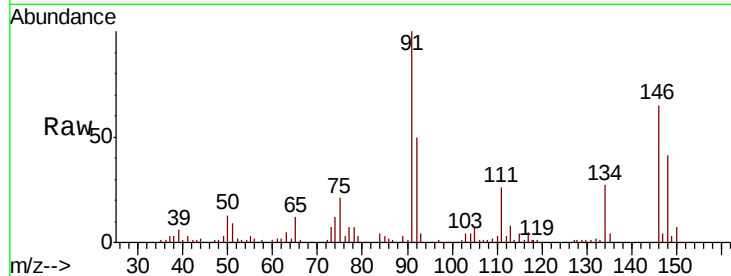




#89
n-Butylbenzene
Concen: 2.221 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

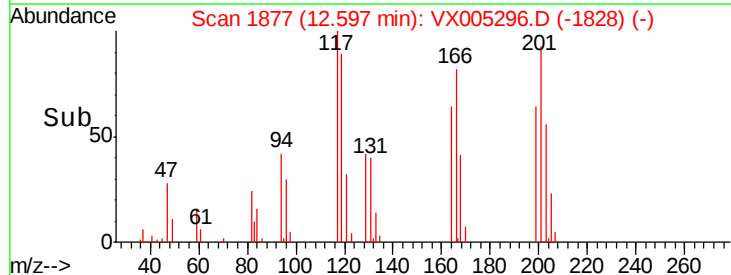
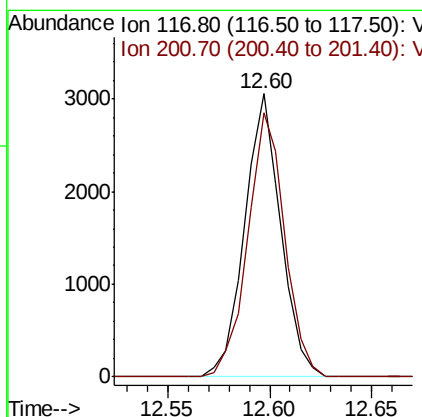
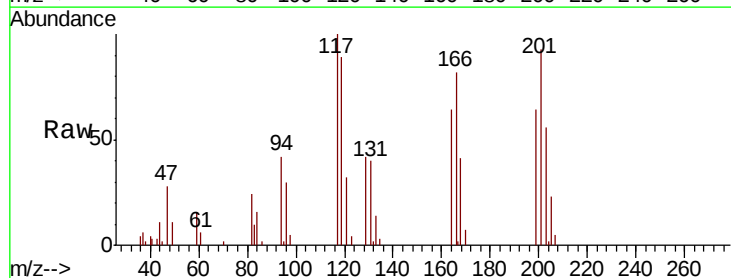
Instrument :
MSVOA_X
ClientSampled :
BFB

Tot Ion: 91 Resp: 19724
Ion Ratio Lower Upper
91 100
92 48.3 27.3 81.9
134 25.6 13.6 40.7



#90
Hexachloroethane
Concen: 2.218 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Tgt Ion: 117 Resp: 3739
Ion Ratio Lower Upper
117 100
201 96.1 46.9 140.6

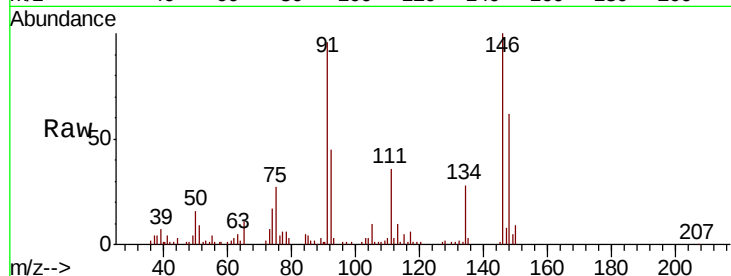




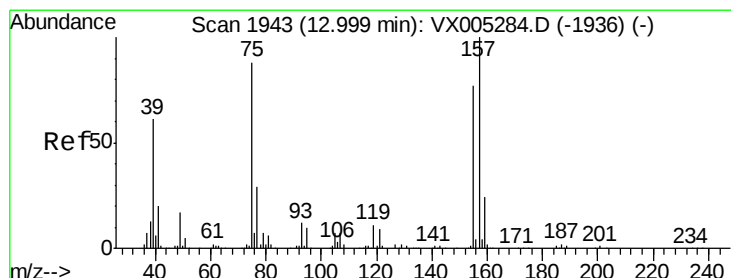
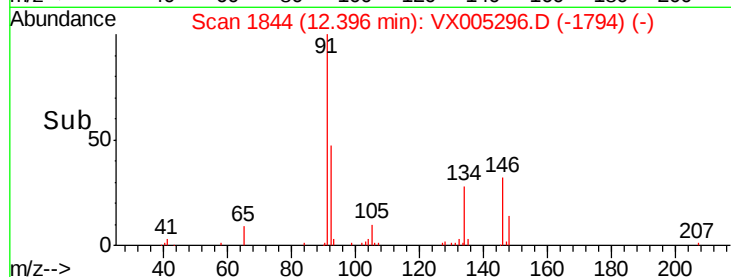
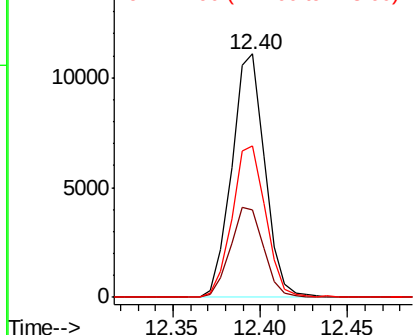
#91
 1,2-Dichlorobenzene
 Concen: 2.530 ug/l
 RT: 12.40 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: VX005296.D
 Acq: 12 Oct 2018 16:31

Instrument :
 MSVOA_X
 ClientSampled :
 BFB

Tot Ion:146 Resp: 14548
 Ion Ratio Lower Upper
 146 100
 111 37.2 19.4 58.1
 148 63.1 32.8 98.3

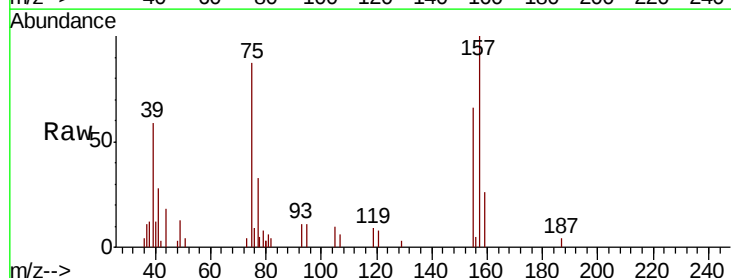


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

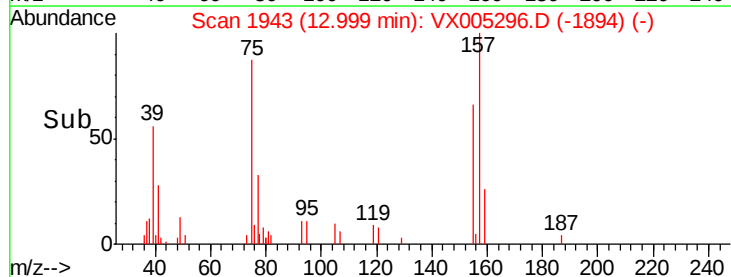
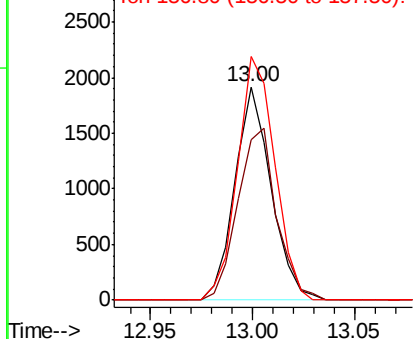


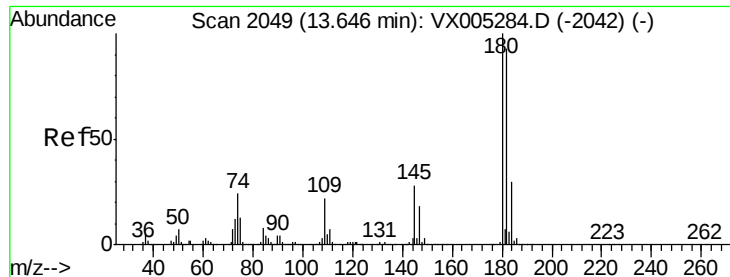
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.432 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX005296.D
 Acq: 12 Oct 2018 16:31

Tgt Ion: 75 Resp: 2360
 Ion Ratio Lower Upper
 75 100
 155 86.8 48.0 144.2
 157 117.6 61.4 184.1



Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

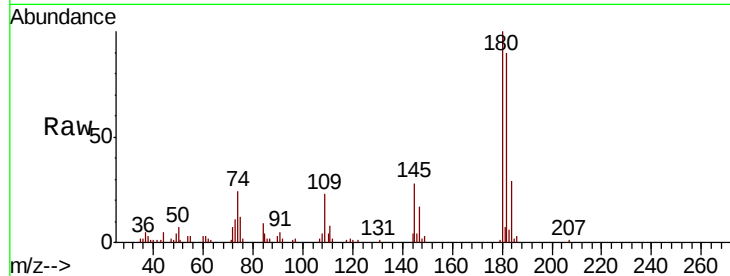




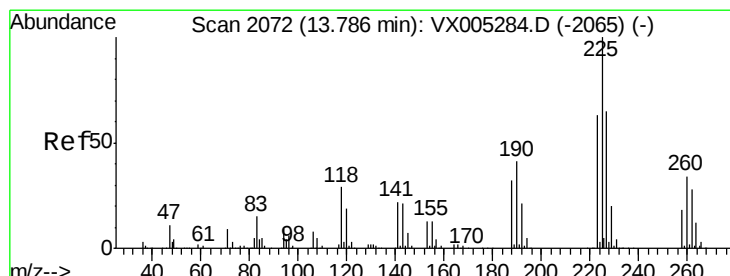
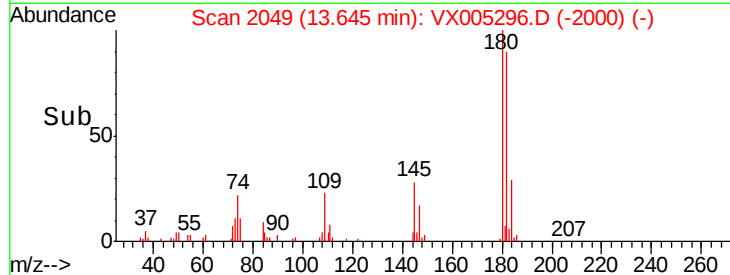
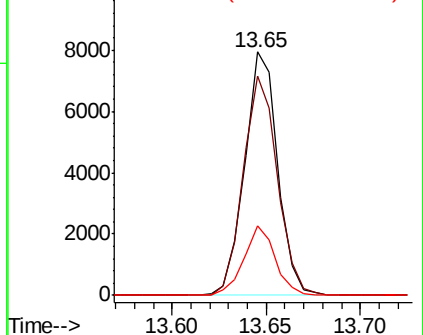
#93
 1,2,4-Trichlorobenzene
 Concen: 2.287 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005296.D
 Acq: 12 Oct 2018 16:31

Instrument :
 MSVOA_X
 ClientSampleId :
 BFB

Tot Ion:180 Resp: 9645
 Ion Ratio Lower Upper
 180 100
 182 92.8 48.4 145.0
 145 27.2 14.3 42.9

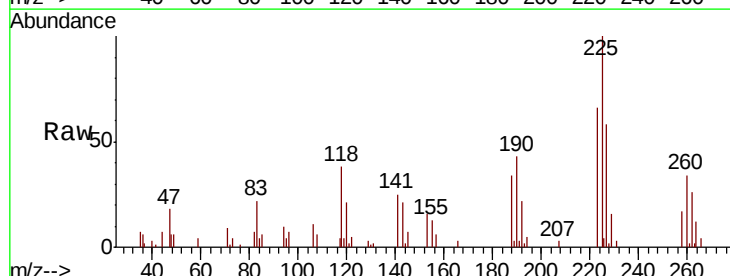


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

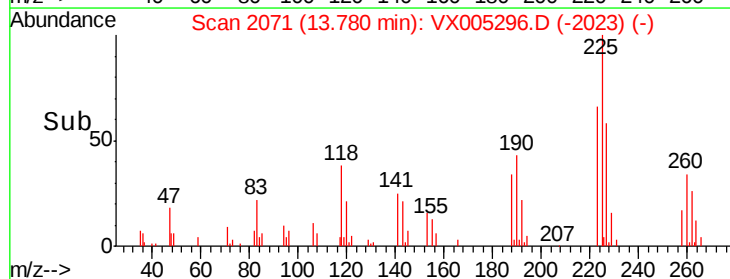
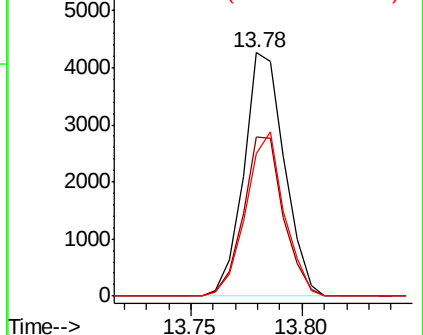


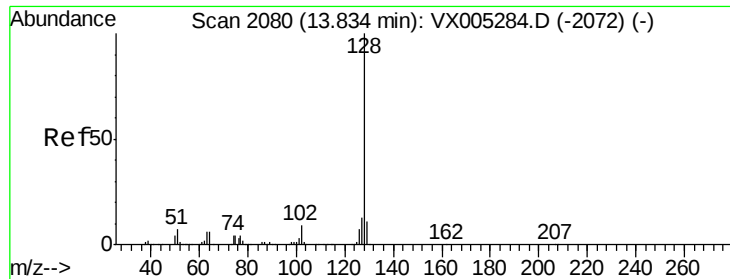
#94
 Hexachlorobutadiene
 Concen: 2.432 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VX005296.D
 Acq: 12 Oct 2018 16:31

Tgt Ion:225 Resp: 5419
 Ion Ratio Lower Upper
 225 100
 223 64.7 30.1 90.5
 227 63.1 30.8 92.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

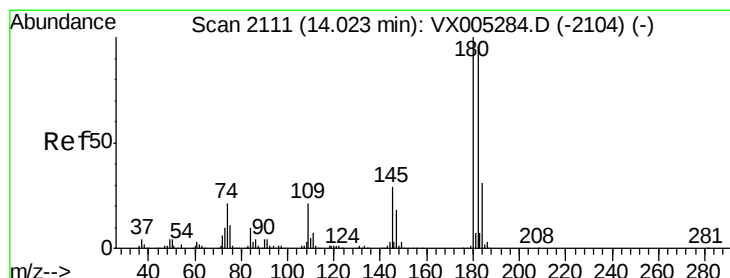
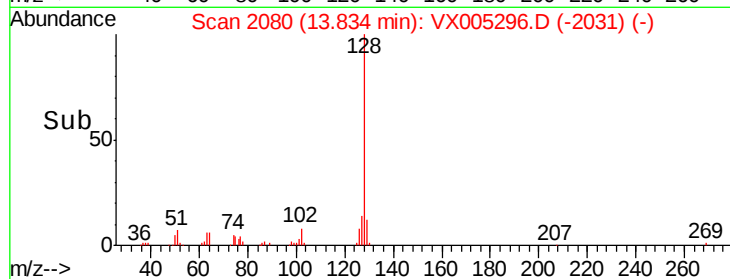
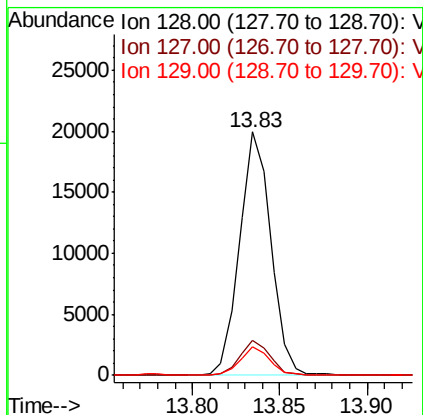
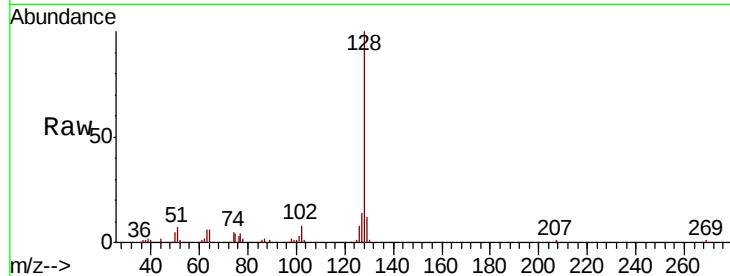




#95
Naphthalene
Concen: 2.029 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Instrument :
MSVOA_X
ClientSampled :
BFB

Tot Ion:128 Resp: 24823
Ion Ratio Lower Upper
128 100
127 13.7 10.2 15.2
129 11.1 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 2.304 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.01 min
Lab File: VX005296.D
Acq: 12 Oct 2018 16:31

Tgt Ion:180 Resp: 9944
Ion Ratio Lower Upper
180 100
182 98.4 48.5 145.6
145 30.8 14.9 44.9

