

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005021.D
 Acq On : 04 Oct 2018 16:28
 Operator : JC/MD
 Sample : VX1004WBS03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS03

Quant Time: Oct 05 03:21:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	246014	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	373203	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	348761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	206471	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	169379	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
35) Dibromofluoromethane	5.51	113	138465	43.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.56%	
50) Toluene-d8	8.72	98	519842	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
62) 4-Bromofluorobenzene	11.14	95	189335	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	65752	19.602	ug/l	97
3) Chloromethane	1.32	50	73753	18.123	ug/l	100
4) Vinyl Chloride	1.40	62	74840	19.608	ug/l	98
5) Bromomethane	1.64	94	44162	19.511	ug/l	97
6) Chloroethane	1.72	64	43863	19.675	ug/l	97
7) Trichlorofluoromethane	1.93	101	94958	20.096	ug/l	95
8) Diethyl Ether	2.19	74	41147	20.044	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	54574	20.275	ug/l	99
10) Methyl Iodide	2.51	142	50955	14.147	ug/l	93
11) Tert butyl alcohol	3.07	59	106493	108.375	ug/l	99
12) 1,1-Dichloroethene	2.37	96	51444	19.299	ug/l	97
13) Acrolein	2.29	56	17867	25.556	ug/l	90
14) Allyl chloride	2.73	41	117698	20.236	ug/l	96
15) Acrylonitrile	3.15	53	229578	106.131	ug/l	96
16) Acetone	2.45	43	204662	99.751	ug/l	92
17) Carbon Disulfide	2.57	76	139961	17.473	ug/l	99
18) Methyl Acetate	2.78	43	126410	24.318	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	200897	21.849	ug/l	96
20) Methylene Chloride	2.85	84	63571	20.821	ug/l	88
21) trans-1,2-Dichloroethene	3.16	96	56906	19.502	ug/l	85
22) Diisopropyl ether	3.87	45	199970	20.418	ug/l	98
23) Vinyl Acetate	3.82	43	875635	97.672	ug/l	99
24) 1,1-Dichloroethane	3.70	63	113471	19.423	ug/l	100
25) 2-Butanone	4.70	43	304443	100.666	ug/l	96
26) 2,2-Dichloropropane	4.59	77	82024	20.162	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	62468	19.163	ug/l	91
28) Bromochloromethane	5.02	49	47242	17.172	ug/l	99
29) Tetrahydrofuran	5.16	42	197895	105.279	ug/l	98
30) Chloroform	5.21	83	105150	19.044	ug/l	99
31) Cyclohexane	5.57	56	89950	20.116	ug/l	89
32) 1,1,1-Trichloroethane	5.49	97	88226	19.565	ug/l	95
36) 1,1-Dichloropropene	5.80	75	74292	17.215	ug/l	95
37) Ethyl Acetate	4.86	43	105195	18.364	ug/l	98
38) Carbon Tetrachloride	5.78	117	75058	16.546	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	82691	18.766	ug/l	86
40) Benzene	6.14	78	242734	17.967	ug/l	94
41) Methacrylonitrile	5.06	41	59148	18.619	ug/l	96
42) 1,2-Dichloroethane	6.20	62	84273	17.645	ug/l	98
43) Isopropyl Acetate	6.46	43	153474	18.563	ug/l	96
44) Trichloroethene	7.21	130	64927	19.549	ug/l	100
45) 1,2-Dichloropropane	7.52	63	63950	19.302	ug/l	97
46) Dibromomethane	7.66	93	40918	19.652	ug/l	100
47) Bromodichloromethane	7.90	83	77208	19.805	ug/l	100
48) Methyl methacrylate	7.78	41	78341	20.876	ug/l	98
49) 1,4-Dioxane	7.76	88	37326	400.357	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	557445	107.080	ug/l	99
52) Toluene	8.79	92	147014	19.803	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	83533	18.962	ug/l	92
54) cis-1,3-Dichloropropene	8.44	75	94422	20.463	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	62403	19.190	ug/l	96
56) Ethyl methacrylate	9.18	69	95184	19.868	ug/l	96
57) 1,3-Dichloropropane	9.37	76	104943	19.390	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	272618	105.997	ug/l	99
59) 2-Hexanone	9.50	43	437505	100.850	ug/l	96
60) Dibromochloromethane	9.59	129	60930	18.736	ug/l	98
61) 1,2-Dibromoethane	9.68	107	64342	18.476	ug/l	96
64) Tetrachloroethene	9.34	164	63925	18.623	ug/l	96
65) Chlorobenzene	10.14	112	164561	18.401	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	58746	18.685	ug/l	99
67) Ethyl Benzene	10.26	91	270360	19.041	ug/l	95
68) m/p-Xylenes	10.36	106	213985	38.567	ug/l	96
69) o-Xylene	10.70	106	102031	20.021	ug/l	100
70) Styrene	10.71	104	170855	19.299	ug/l	99
71) Bromoform	10.86	173	48767	18.118	ug/l	96
73) Isopropylbenzene	11.02	105	274467	21.090	ug/l	100
74) N-amyl acetate	10.90	43	130353	19.334	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	99675	18.815	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	115392	24.935	ug/l	85
77) Bromobenzene	11.26	156	74796	19.787	ug/l	100
78) n-propylbenzene	11.36	91	307596	20.600	ug/l	99
79) 2-Chlorotoluene	11.42	91	190354	20.452	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	230284	19.184	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	26683	17.088	ug/l	95
82) 4-Chlorotoluene	11.51	91	220884	20.162	ug/l	100
83) tert-Butylbenzene	11.77	119	226819	21.168	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	240102	19.398	ug/l	98
85) sec-Butylbenzene	11.94	105	270562	20.731	ug/l	100
86) p-Isopropyltoluene	12.07	119	240043	20.301	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	135370	19.178	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	137145	18.822	ug/l	99
89) n-Butylbenzene	12.39	91	207654	19.337	ug/l	100
90) Hexachloroethane	12.60	117	35241	17.900	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	136770	18.542	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	23600	20.289	ug/l	99

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Quant Title : SW846 8260
QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration

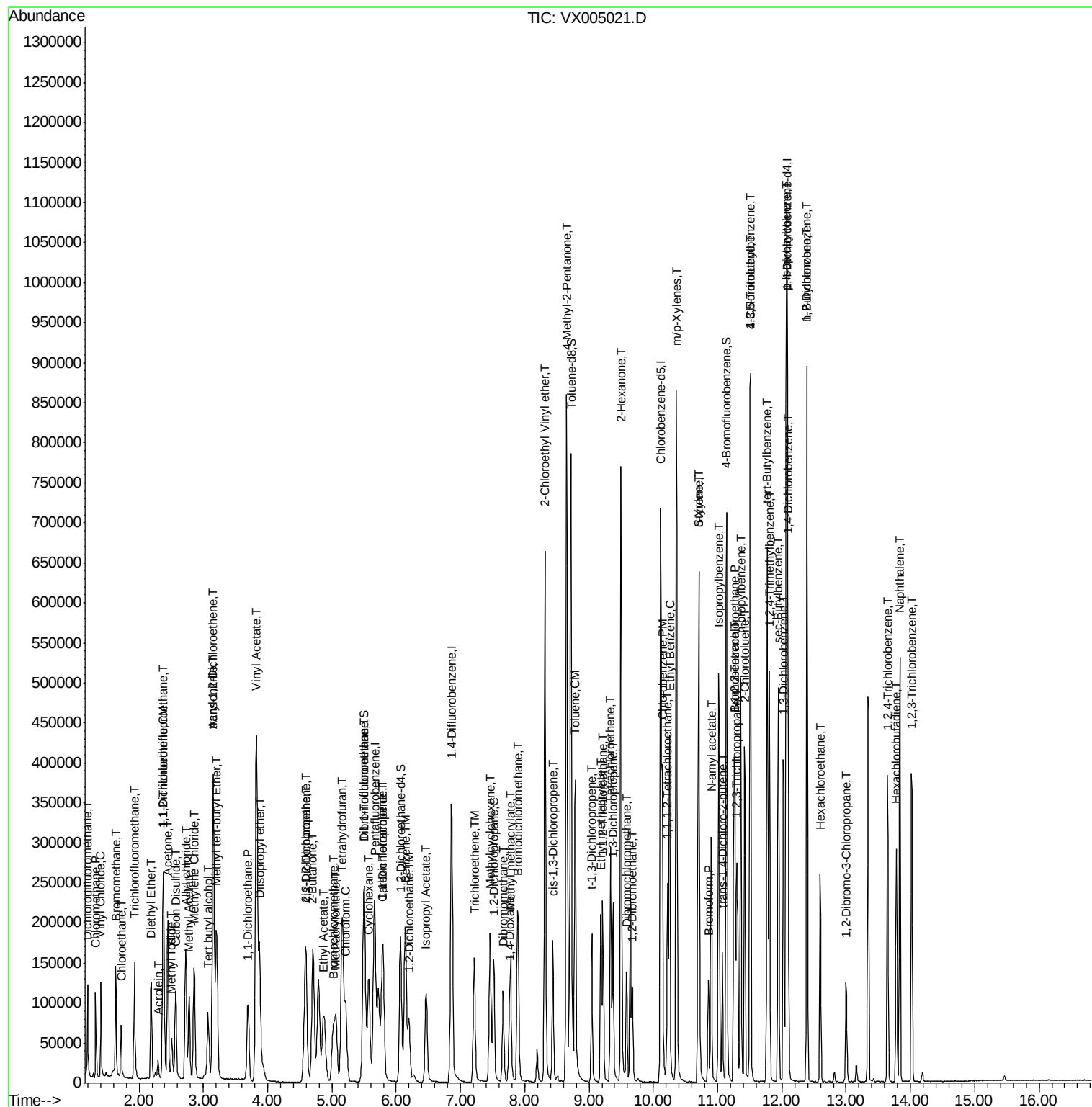
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	98296	18.996	ug/l	100
94) Hexachlorobutadiene	13.79	225	47076	17.545	ug/l	98
95) Naphthalene	13.83	128	317420	18.936	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	102739	19.221	ug/l	99

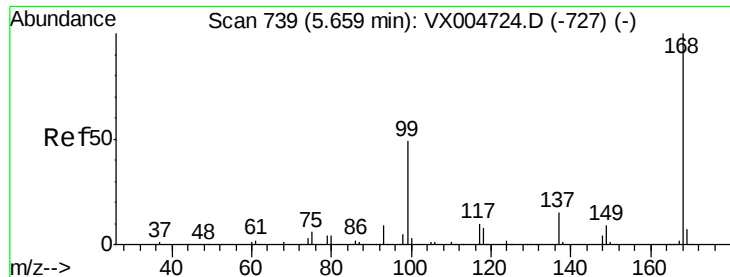
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 03 04:00:03 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

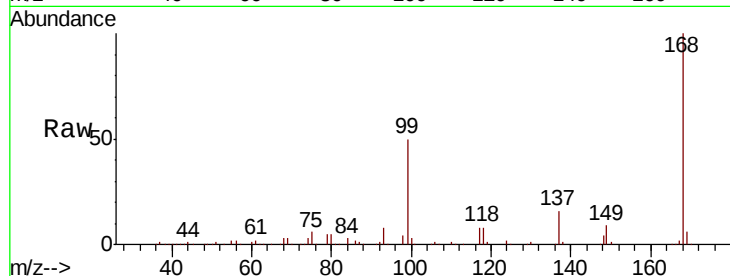
VX1004WBS03

Tot Ion:168 Resp: 246014

Ion Ratio Lower Upper

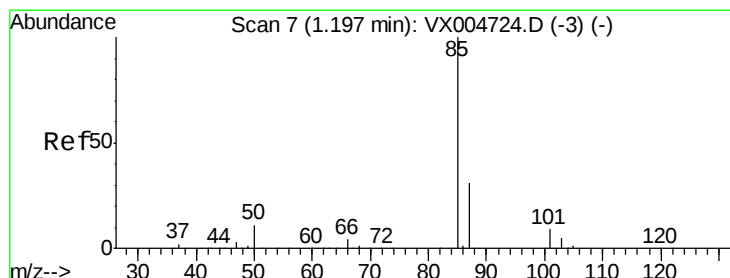
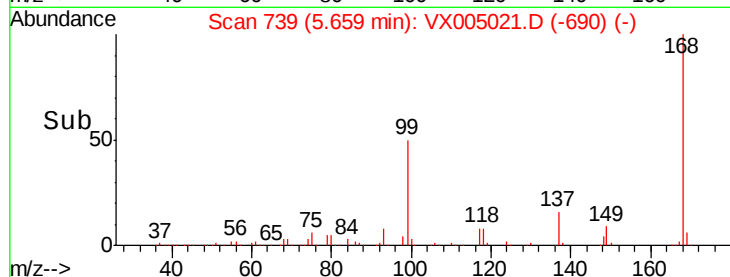
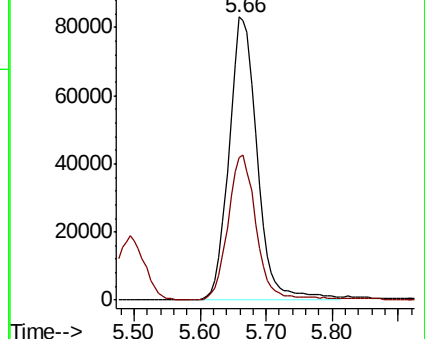
168 100

99 50.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.602 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005021.D

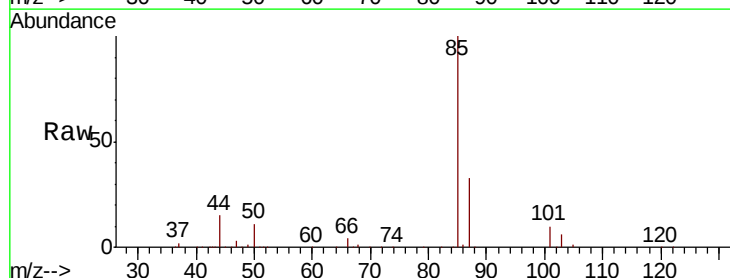
Acq: 04 Oct 2018 16:28

Tgt Ion: 85 Resp: 65752

Ion Ratio Lower Upper

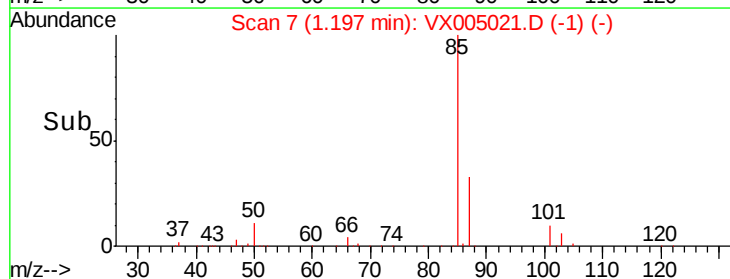
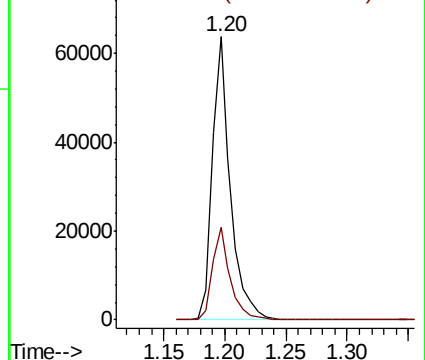
85 100

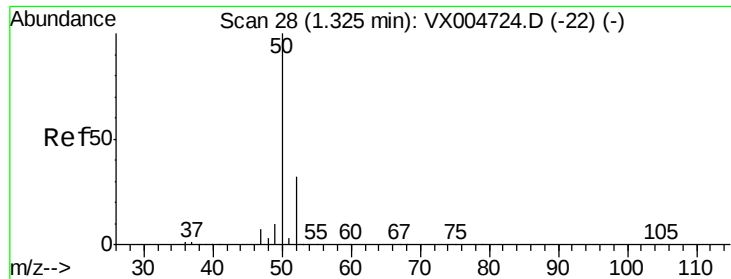
87 32.9 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 18.123 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

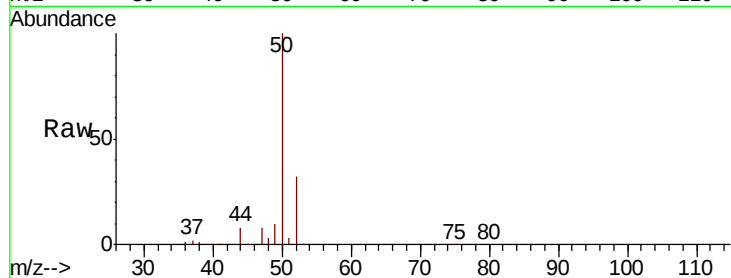
VX1004WBS03

Tot Ion: 50 Resp: 73753

Ion Ratio Lower Upper

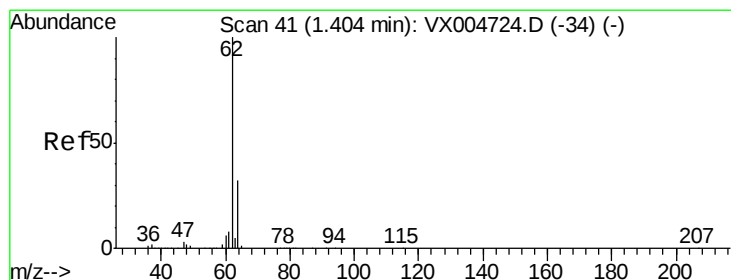
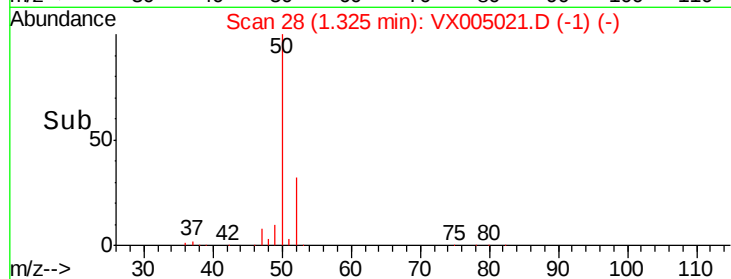
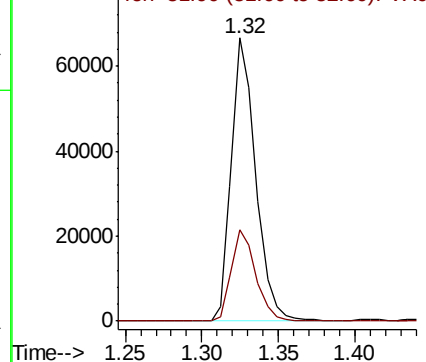
50 100

52 32.1 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.608 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005021.D

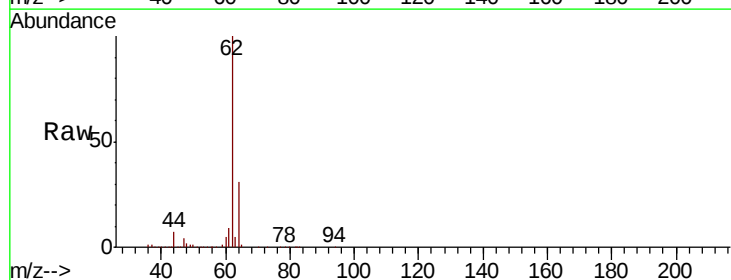
Acq: 04 Oct 2018 16:28

Tgt Ion: 62 Resp: 74840

Ion Ratio Lower Upper

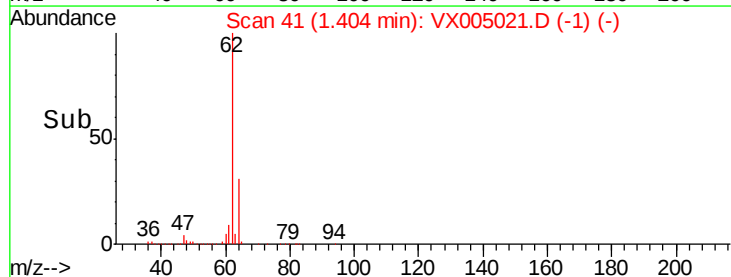
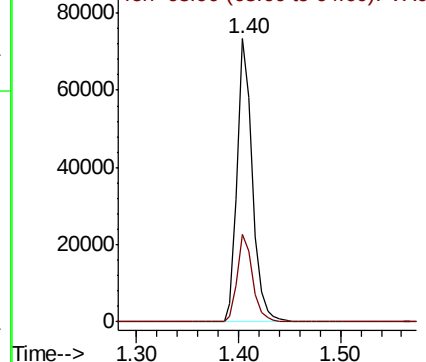
62 100

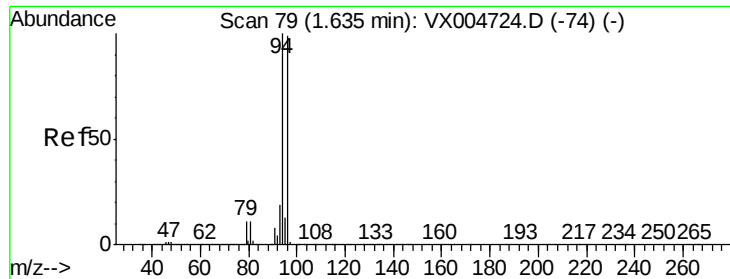
64 31.0 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.511 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

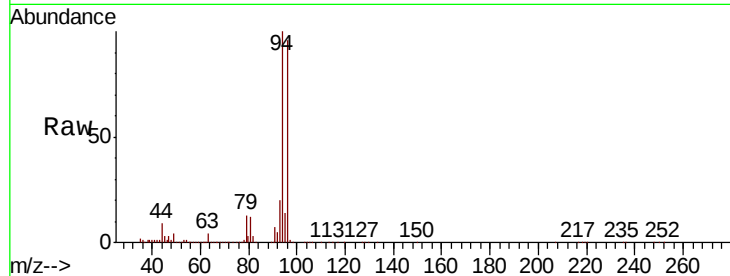
VX1004WBS03

Tot Ion: 94 Resp: 44162

Ion Ratio Lower Upper

94 100

96 96.2 79.5 119.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

50000

40000

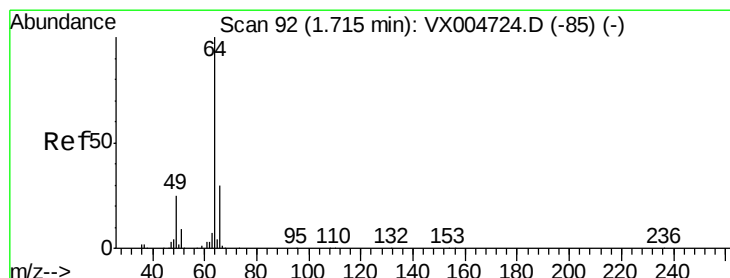
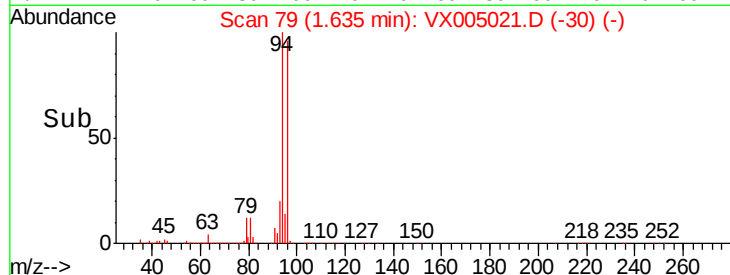
30000

20000

10000

0

Time--> 1.50 1.60 1.70



#6

Chloroethane

Concen: 19.675 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005021.D

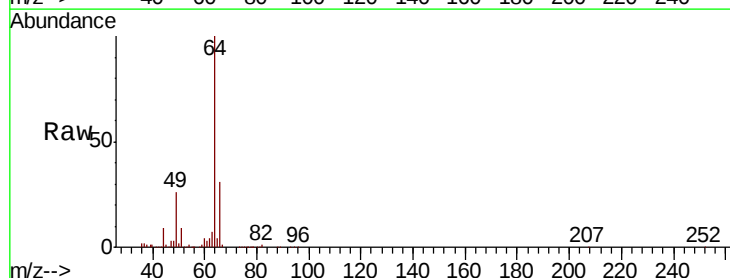
Acq: 04 Oct 2018 16:28

Tgt Ion: 64 Resp: 43863

Ion Ratio Lower Upper

64 100

66 31.1 23.8 35.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

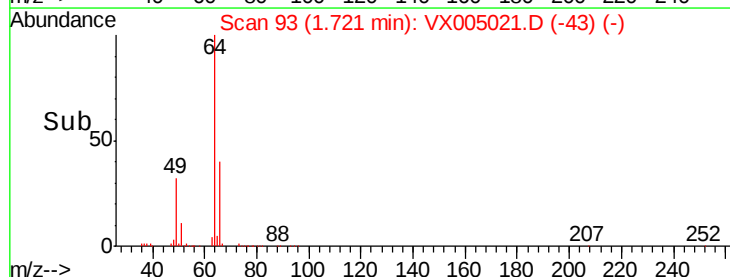
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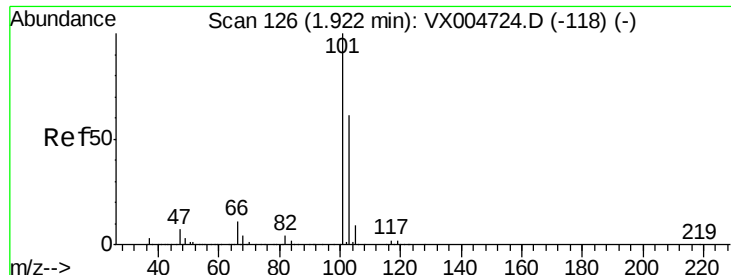
20000

10000

0

Time--> 1.65 1.70 1.75 1.80



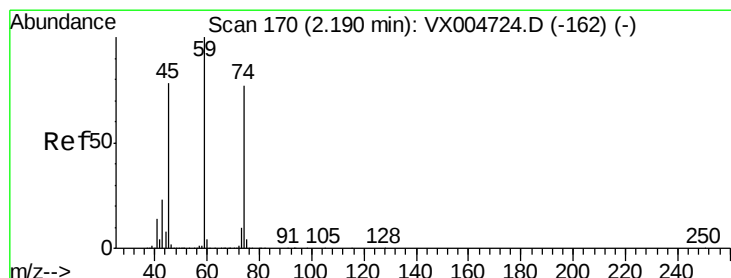
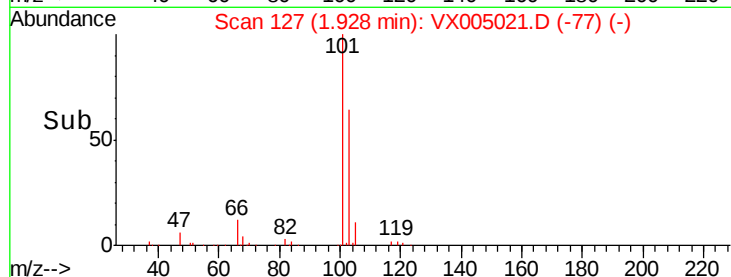
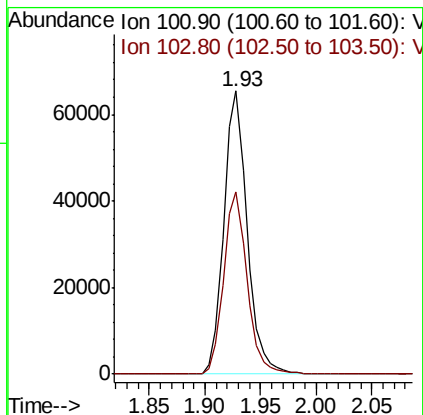
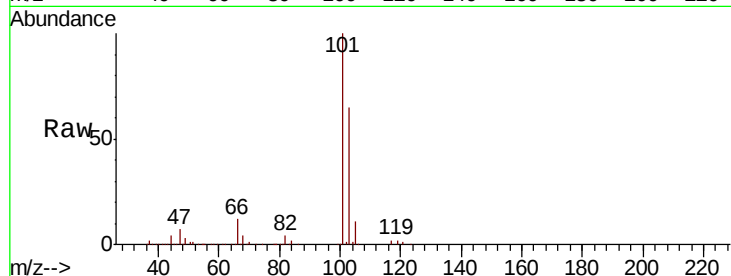


#7

Trichlorofluoromethane
Concen: 20.096 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Instrument :
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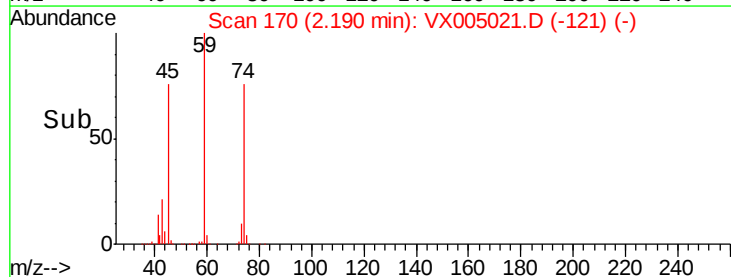
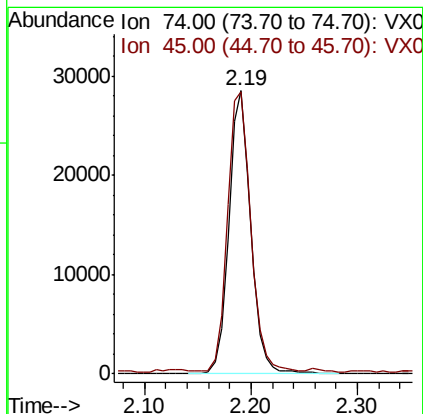
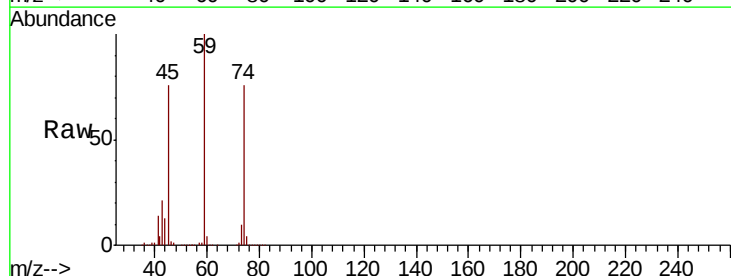
Tot Ion:101 Resp: 94958
Ion Ratio Lower Upper
101 100
103 64.6 48.4 72.6

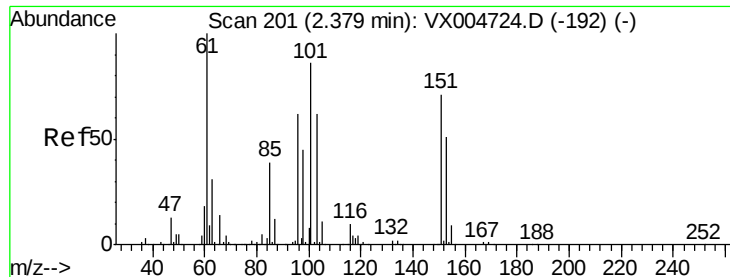


#8

Diethyl Ether
Concen: 20.044 ug/l
RT: 2.19 min Scan# 170
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion: 74 Resp: 41147
Ion Ratio Lower Upper
74 100
45 103.4 52.5 157.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.275 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

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MSVOA_X

ClientSampleId :

VX1004WBS03

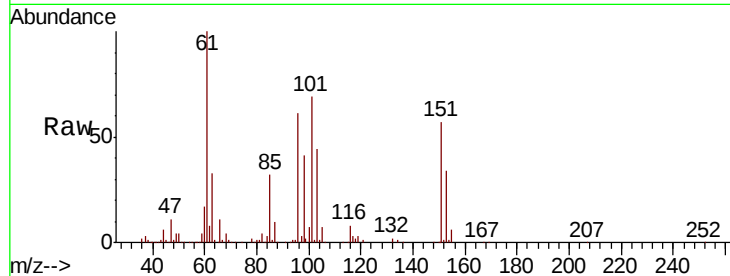
Tot Ion:101 Resp: 54574

Ion Ratio Lower Upper

101 100

85 43.8 35.9 53.9

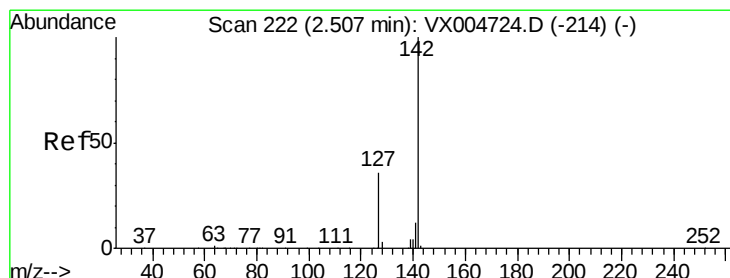
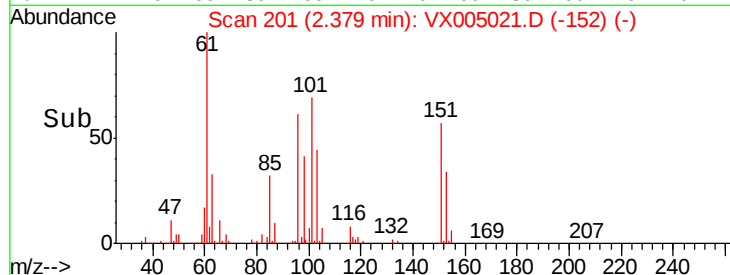
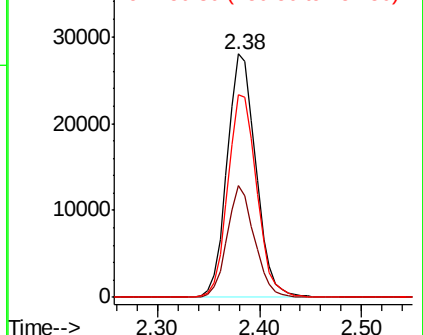
151 83.7 66.6 100.0



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: 14.147 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

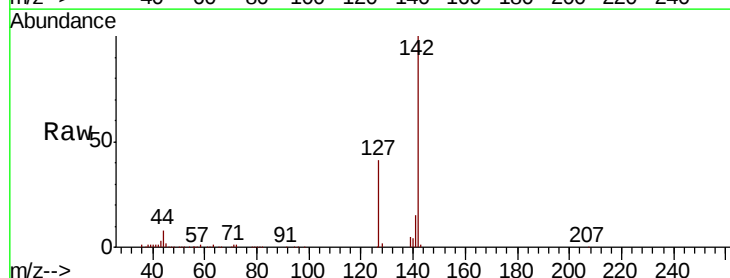
Tgt Ion:142 Resp: 50955

Ion Ratio Lower Upper

142 100

127 42.3 30.1 45.1

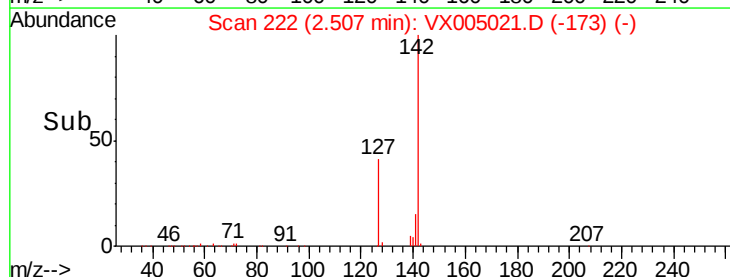
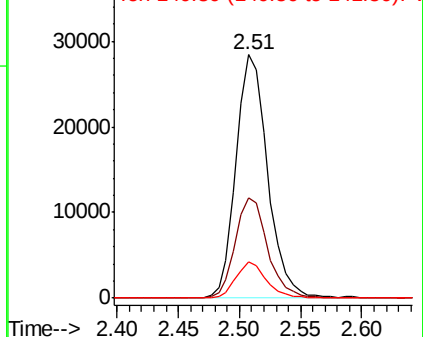
141 14.4 10.1 15.1

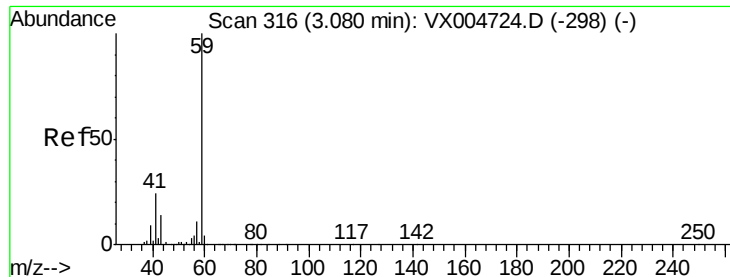


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



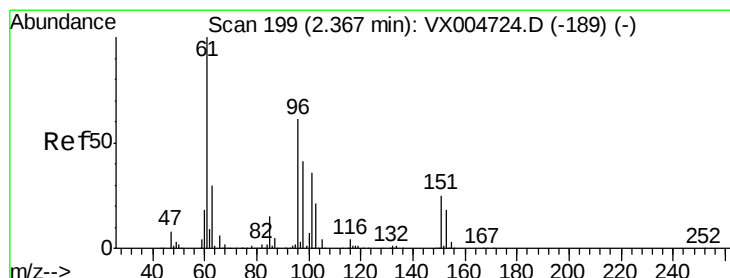
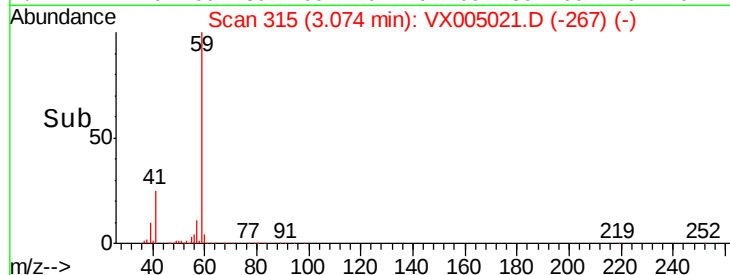
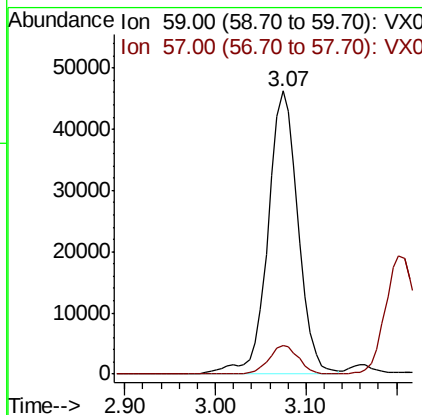
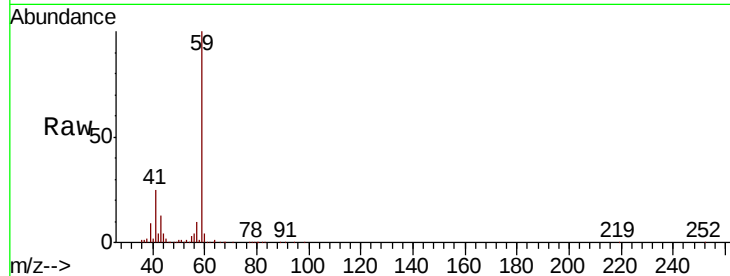


#11

Tert butyl alcohol
 Concen: 108.375 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Instrument :
 MSVOA_X
 ClientSampled :
 VX1004WBS03

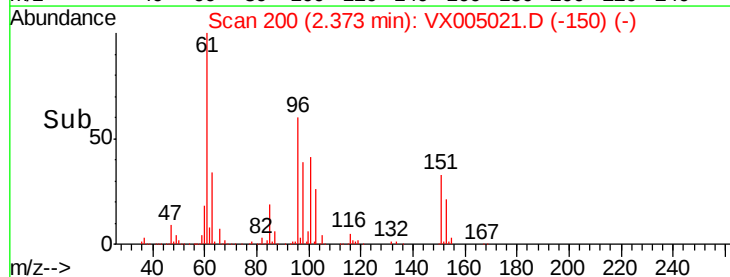
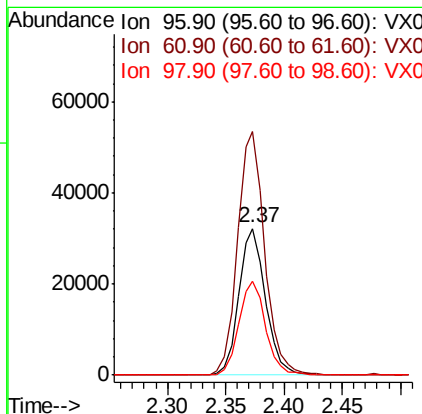
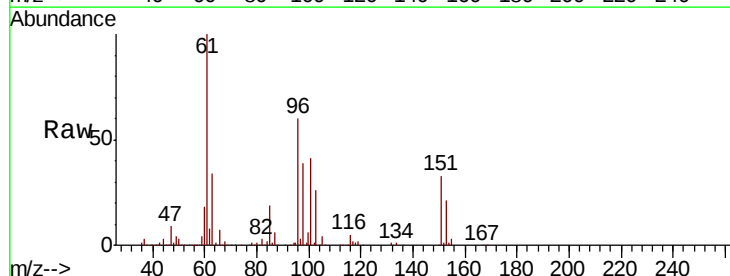
Tot Ion: 59 Resp: 106493
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.6 12.8

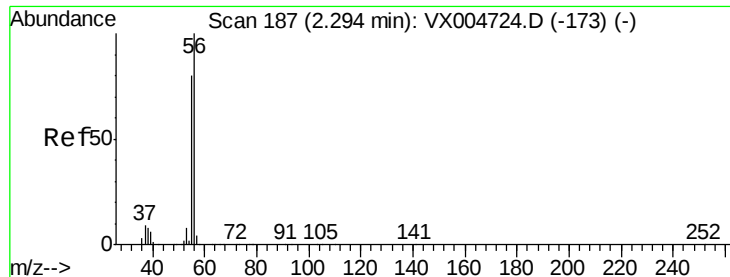


#12

1,1-Dichloroethene
 Concen: 19.299 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Tgt Ion: 96 Resp: 51444
 Ion Ratio Lower Upper
 96 100
 61 166.2 130.2 195.4
 98 64.5 53.4 80.0





#13

Acrolein

Concen: 25.556 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

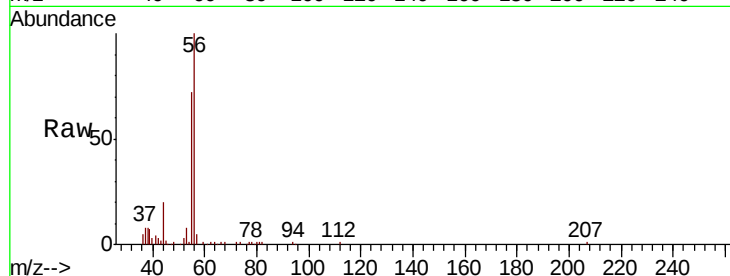
VX1004WBS03

Tot Ion: 56 Resp: 17867

Ion Ratio Lower Upper

56 100

55 70.4 63.4 95.2



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

12000

10000

8000

6000

4000

2000

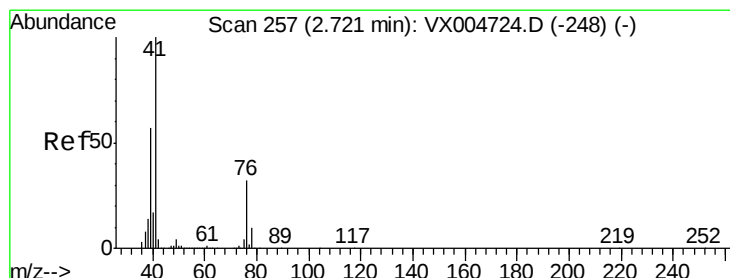
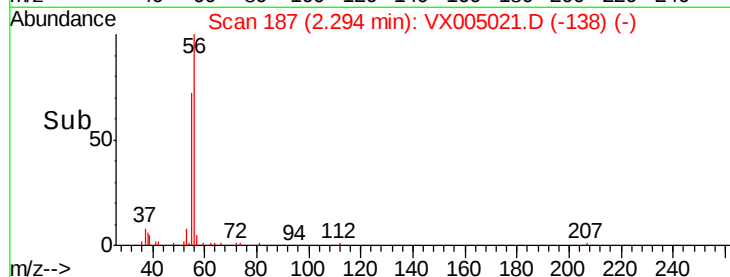
0

Time-->

2.20

2.30

2.40



#14

Allyl chloride

Concen: 20.236 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

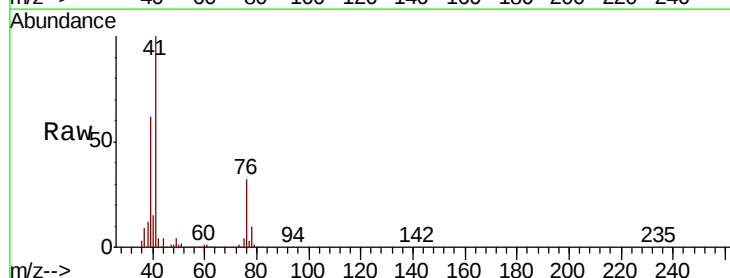
Tgt Ion: 41 Resp: 117698

Ion Ratio Lower Upper

41 100

39 57.5 44.1 66.1

76 29.0 25.0 37.4



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

2.73

80000

60000

40000

20000

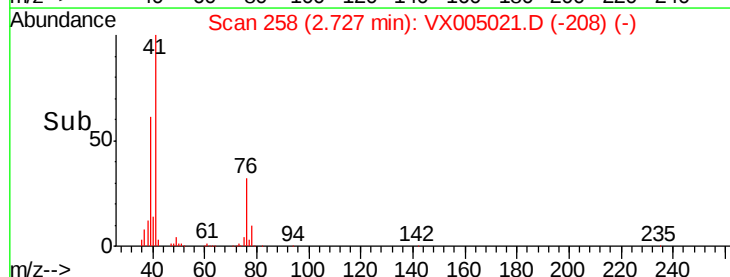
0

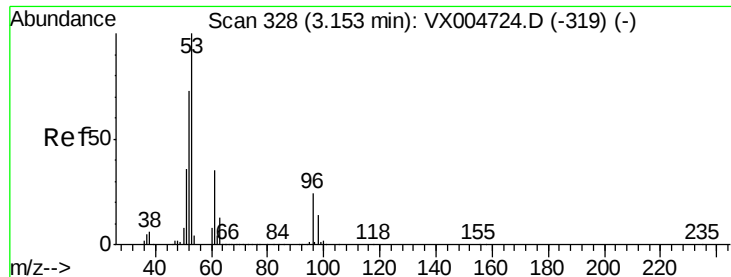
Time-->

2.60

2.70

2.80





#15

Acrylonitrile

Concen: 106.131 ug/l

RT: 3.15 min Scan# 327

Delta R.T. -0.01 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

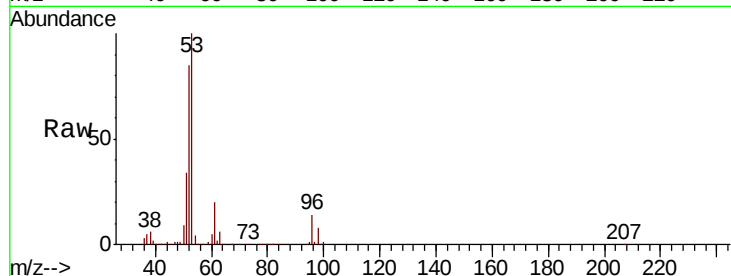
Tot Ion: 53 Resp: 229578

Ion Ratio Lower Upper

53 100

52 83.1 63.0 94.4

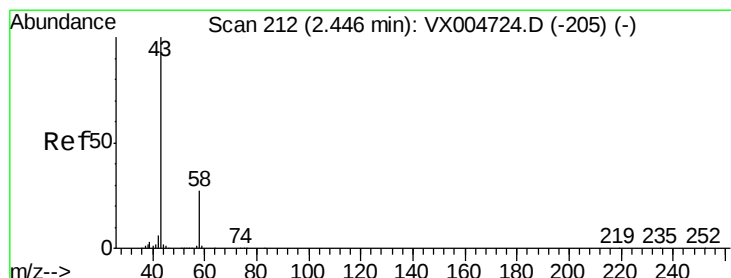
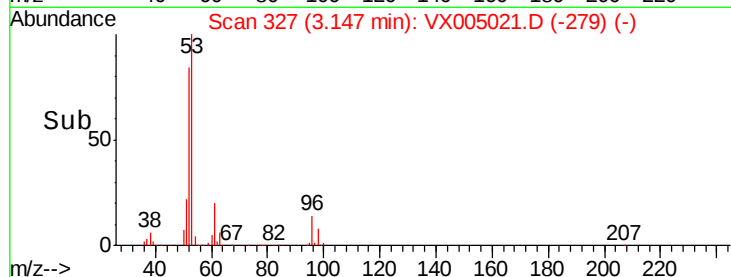
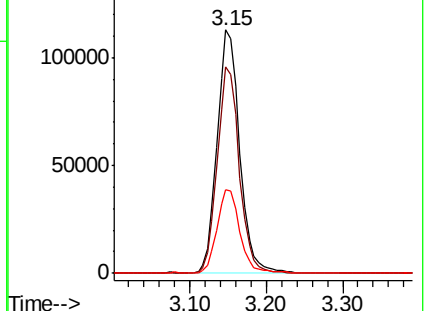
51 35.0 28.6 42.8



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 99.751 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005021.D

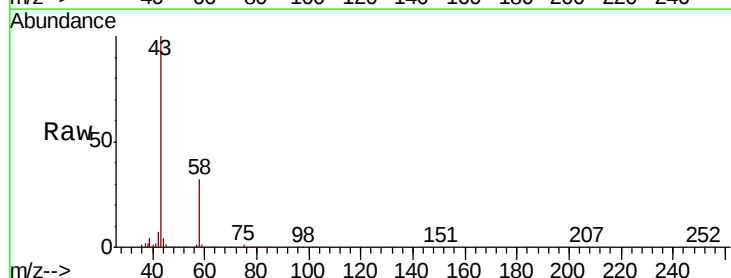
Acq: 04 Oct 2018 16:28

Tgt Ion: 43 Resp: 204662

Ion Ratio Lower Upper

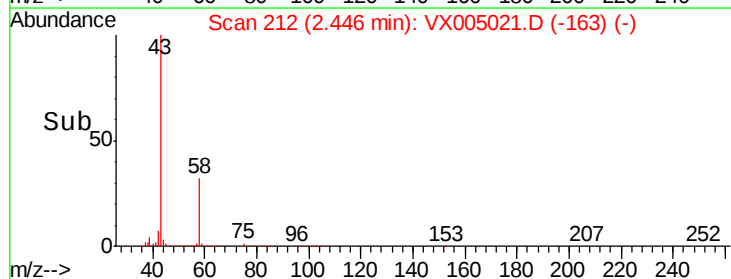
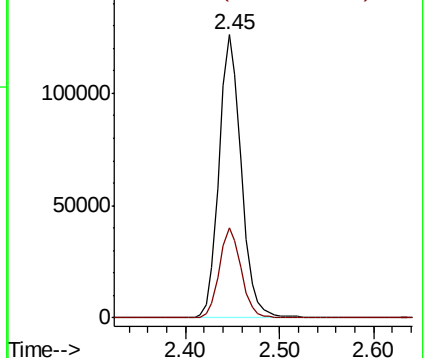
43 100

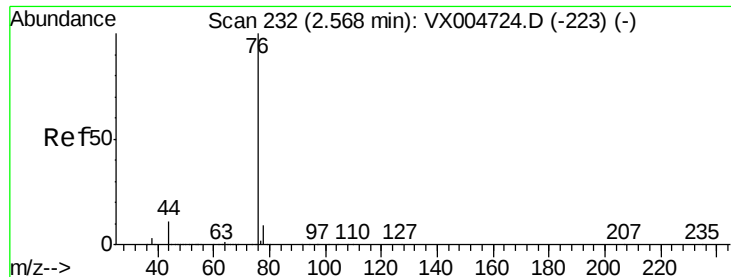
58 31.6 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 17.473 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

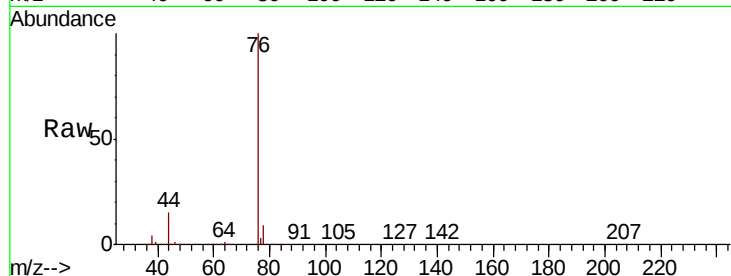
VX1004WBS03

Tot Ion: 76 Resp: 139961

Ion Ratio Lower Upper

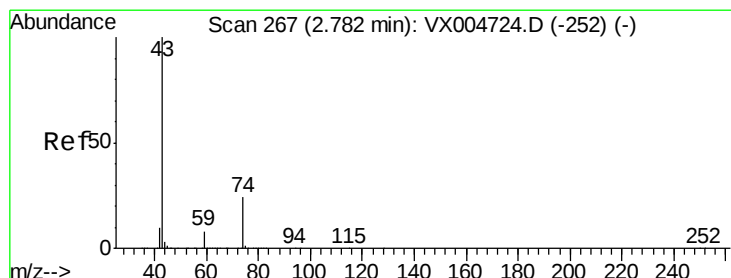
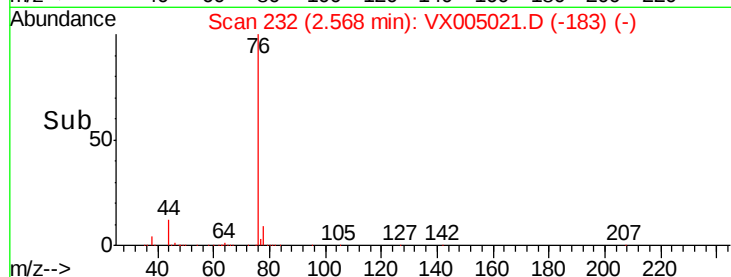
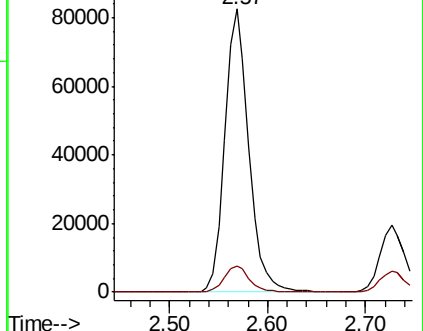
76 100

78 9.0 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VX004724.D (-223) (-)

Ion 77.90 (77.60 to 78.60): VX004724.D (-223) (-)



#18

Methyl Acetate

Concen: 24.318 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005021.D

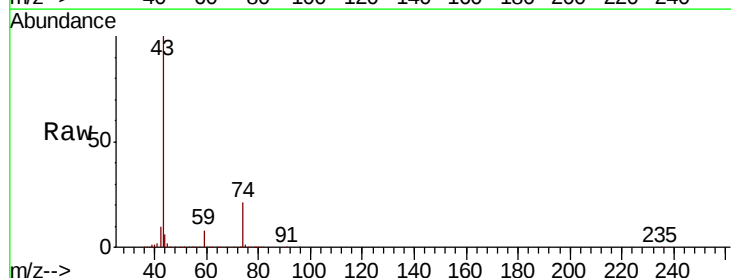
Acq: 04 Oct 2018 16:28

Tgt Ion: 43 Resp: 126410

Ion Ratio Lower Upper

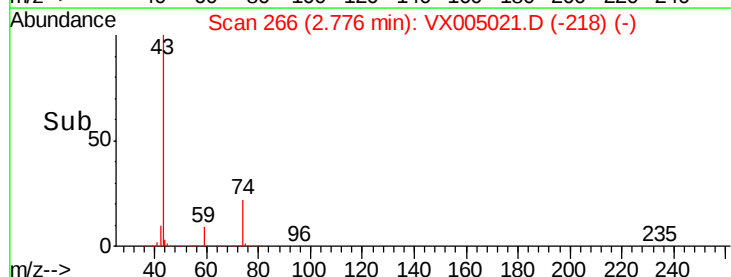
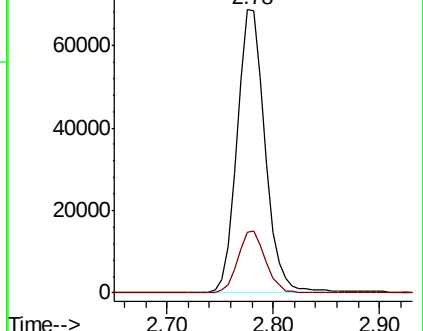
43 100

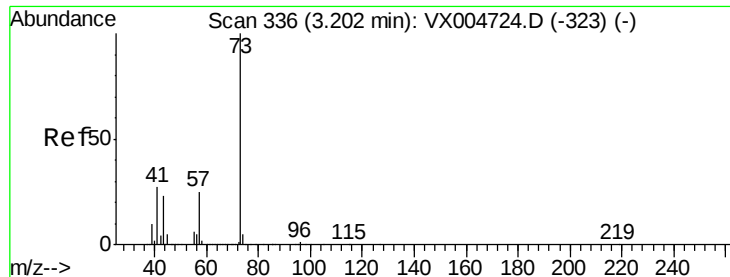
74 22.0 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VX004724.D (-252) (-)

Ion 74.00 (73.70 to 74.70): VX004724.D (-252) (-)



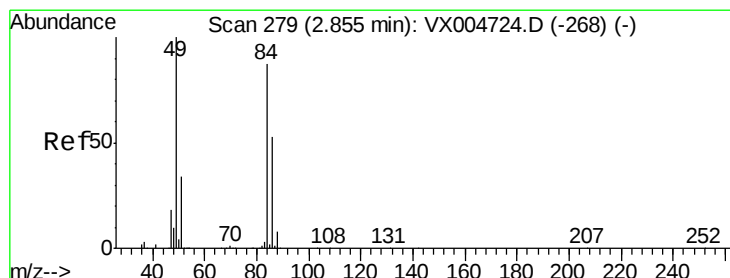
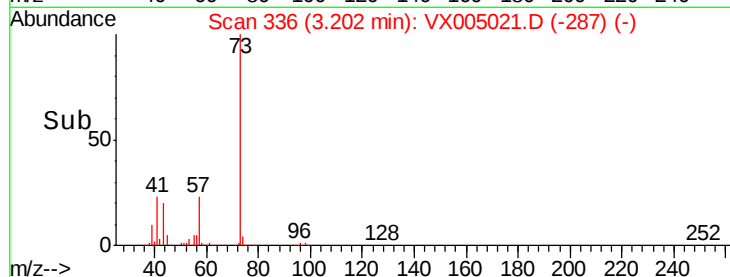
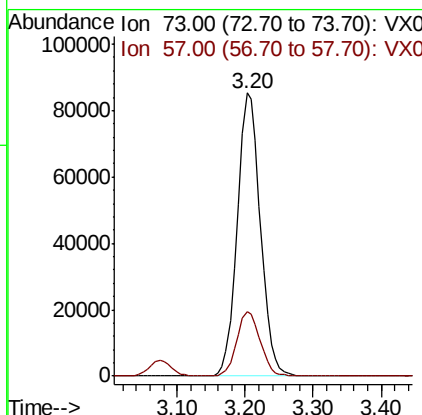
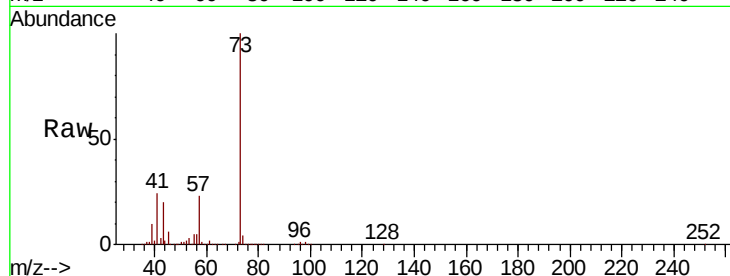


#19

Methyl tert-butyl Ether
 Concen: 21.849 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS03

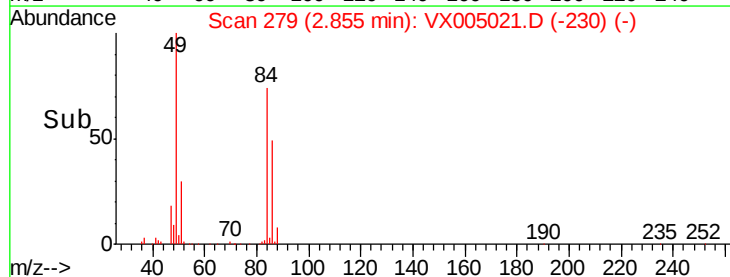
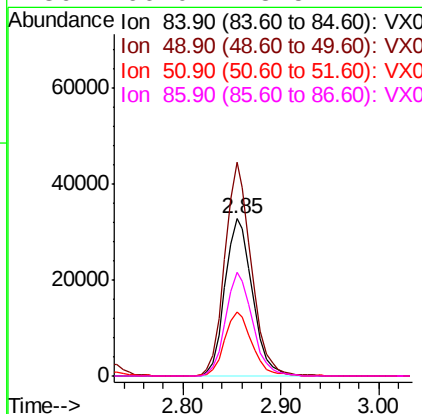
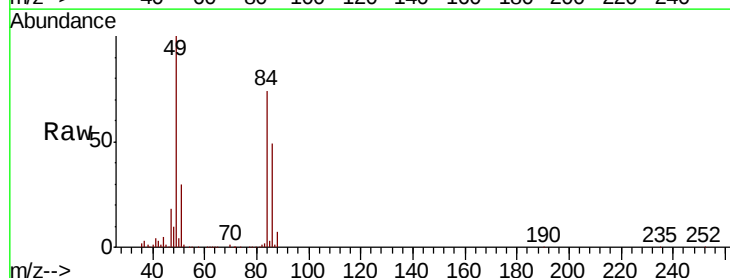
Tot Ion: 73 Resp: 200897
 Ion Ratio Lower Upper
 73 100
 57 22.7 19.9 29.9

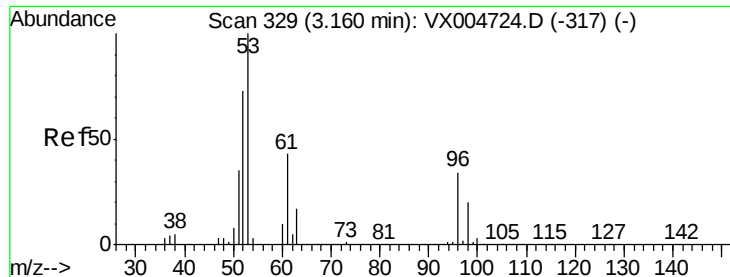


#20

Methylene Chloride
 Concen: 20.821 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Tgt Ion: 84 Resp: 63571
 Ion Ratio Lower Upper
 84 100
 49 135.8 92.3 138.5
 51 40.5 31.8 47.6
 86 66.0 48.5 72.7





#21

trans-1,2-Dichloroethene

Concen: 19.502 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

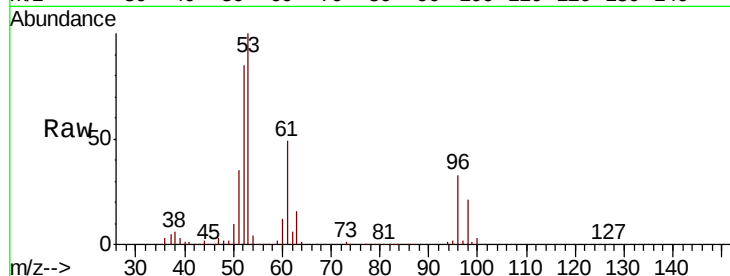
Tot Ion: 96 Resp: 56906

Ion Ratio Lower Upper

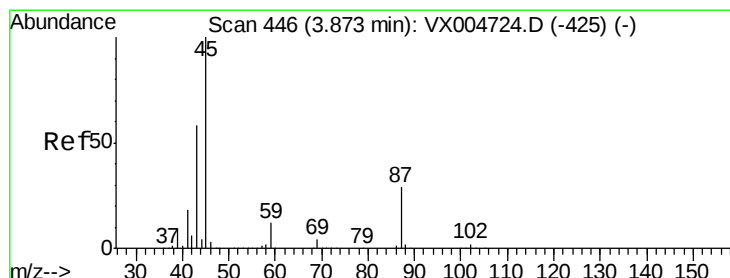
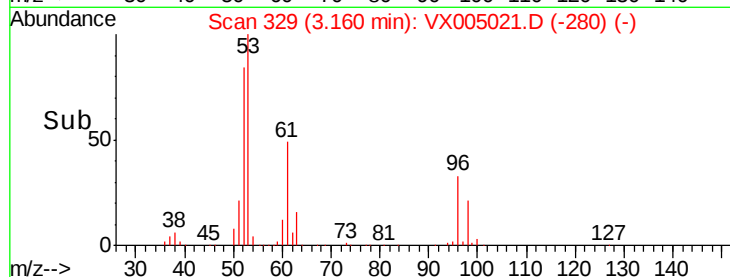
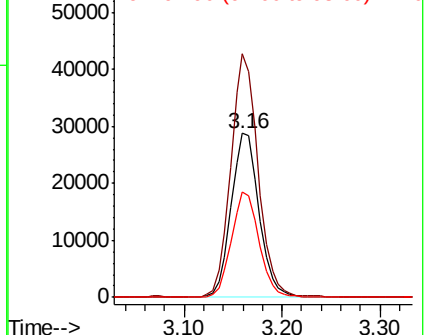
96 100

61 148.1 101.0 151.6

98 64.6 47.2 70.8



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: 20.418 ug/l

RT: 3.87 min Scan# 446

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Tgt Ion: 45 Resp: 199970

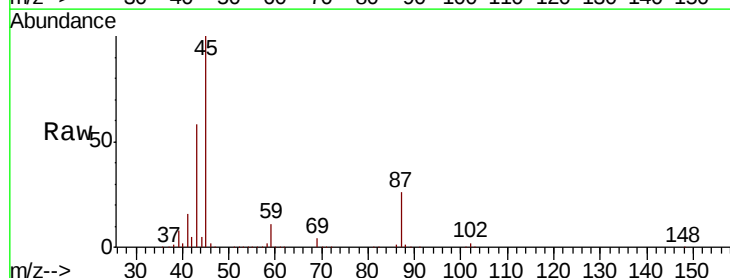
Ion Ratio Lower Upper

45 100

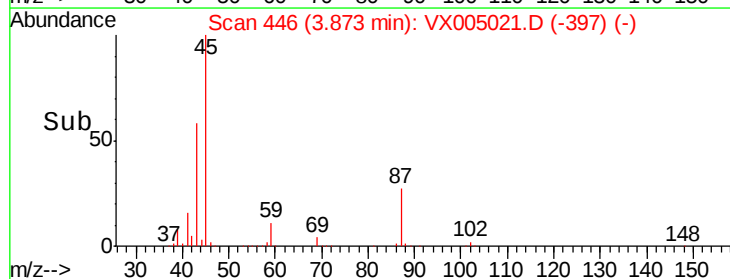
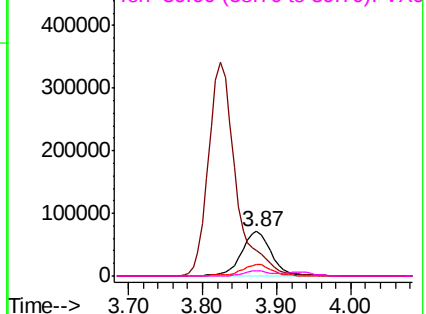
43 57.3 46.7 70.1

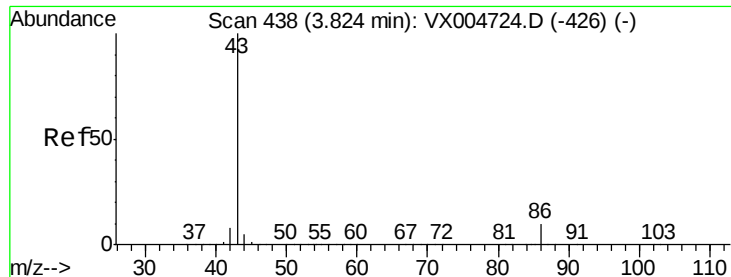
87 26.5 22.9 34.3

59 11.5 9.3 13.9



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: 97.672 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

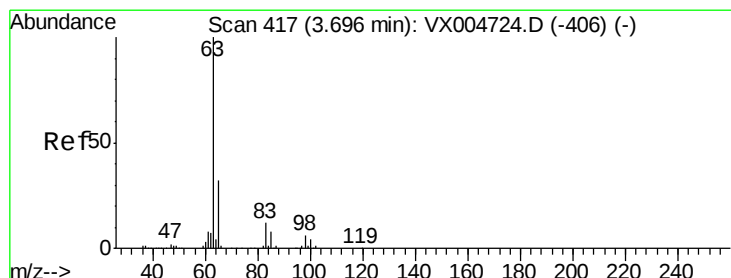
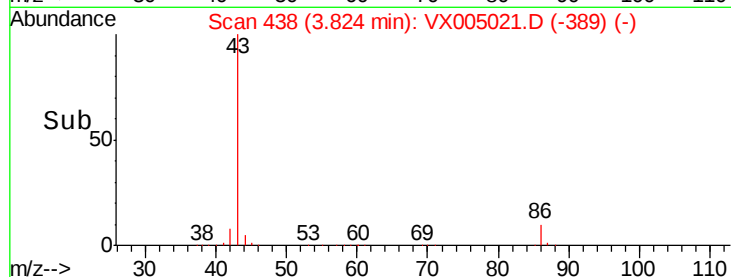
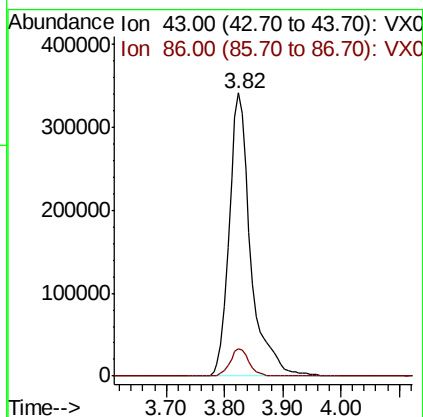
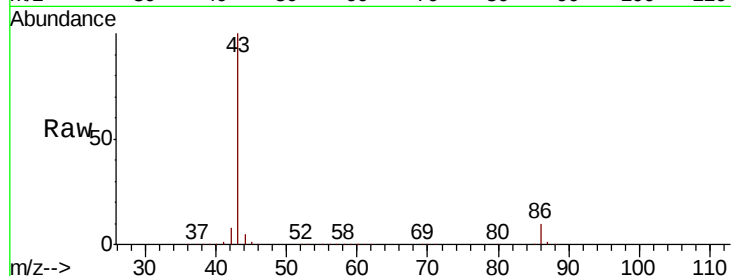
VX1004WBS03

Tot Ion: 43 Resp: 875635

Ion Ratio Lower Upper

43 100

86 9.6 8.1 12.1



#24

1,1-Dichloroethane

Concen: 19.423 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

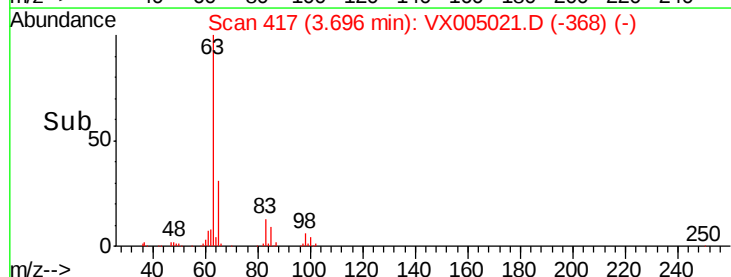
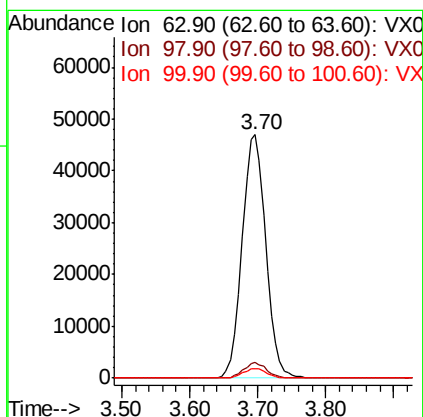
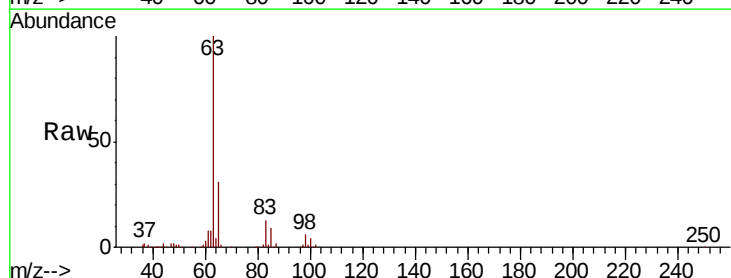
Tgt Ion: 63 Resp: 113471

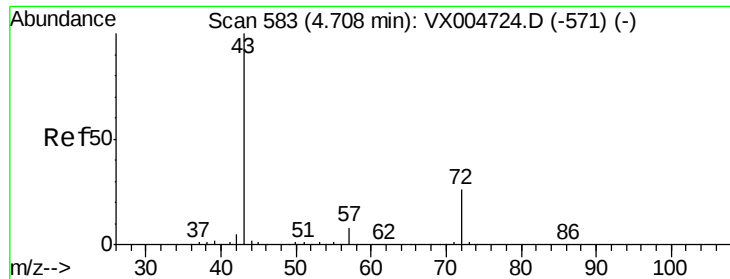
Ion Ratio Lower Upper

63 100

98 6.3 3.0 9.2

100 3.9 2.0 5.8





#25

2-Butanone

Concen: 100.666 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

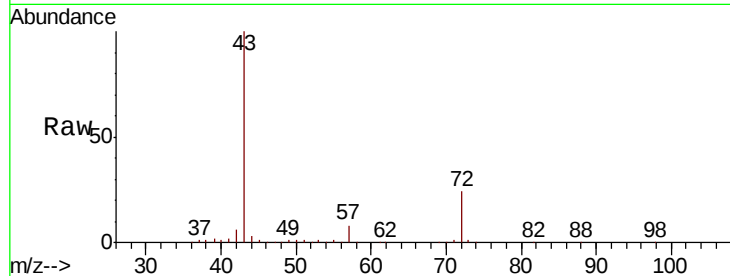
VX1004WBS03

Tot Ion: 43 Resp: 304443

Ion Ratio Lower Upper

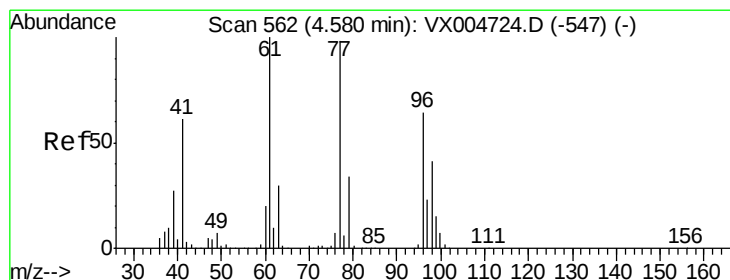
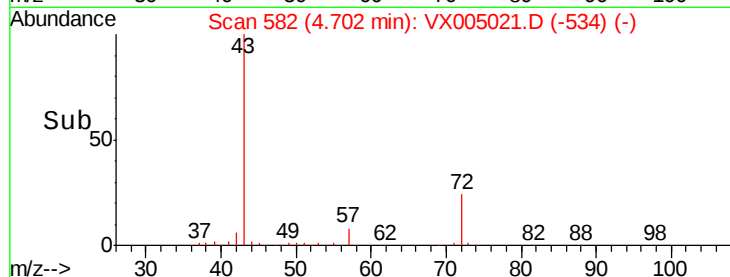
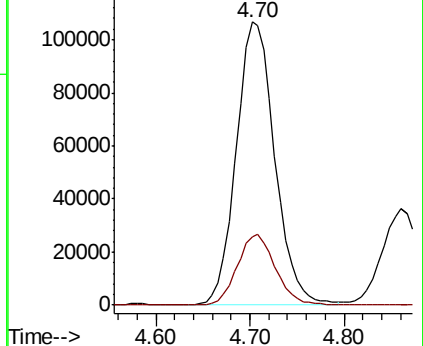
43 100

72 24.1 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.162 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005021.D

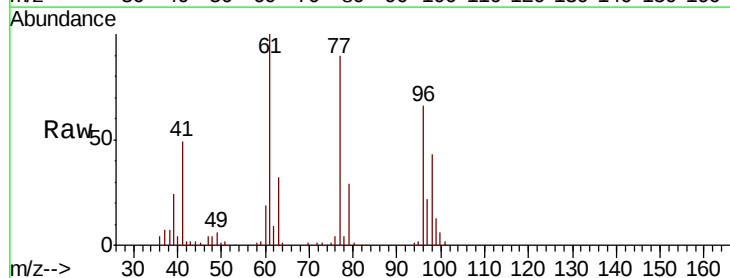
Acq: 04 Oct 2018 16:28

Tgt Ion: 77 Resp: 82024

Ion Ratio Lower Upper

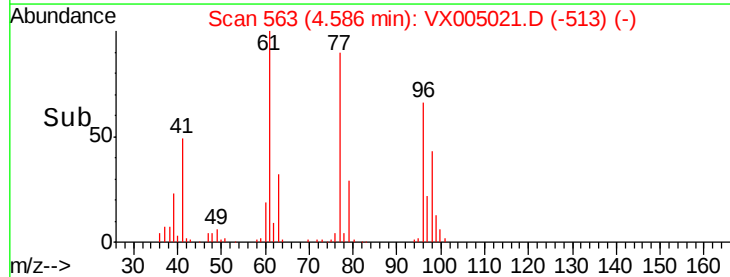
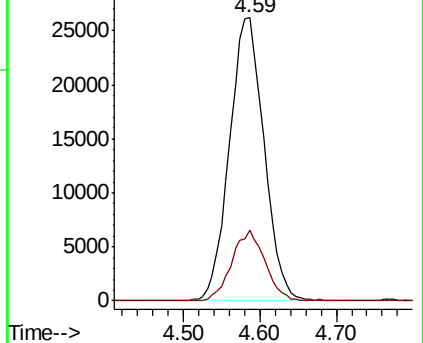
77 100

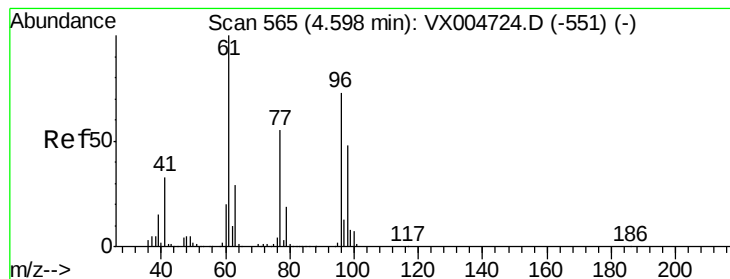
97 24.0 12.6 37.8



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 19.163 ug/l

RT: 4.60 min Scan# 565

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

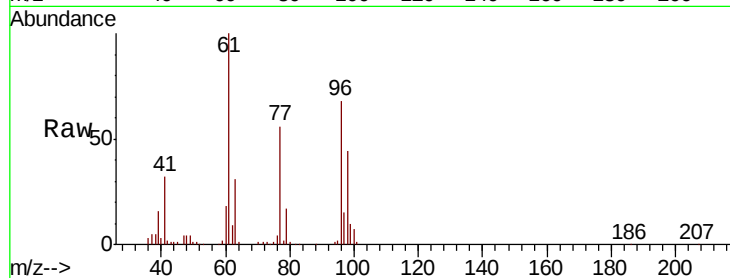
Tot Ion: 96 Resp: 62468

Ion Ratio Lower Upper

96 100

61 156.5 0.0 285.8

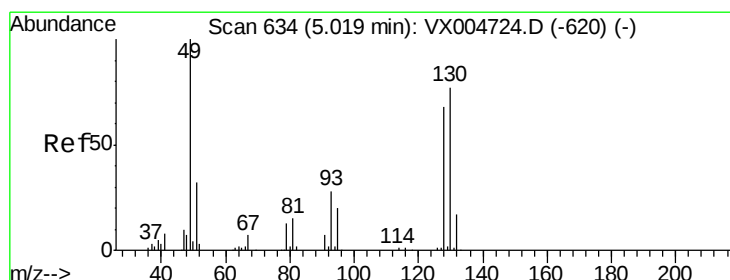
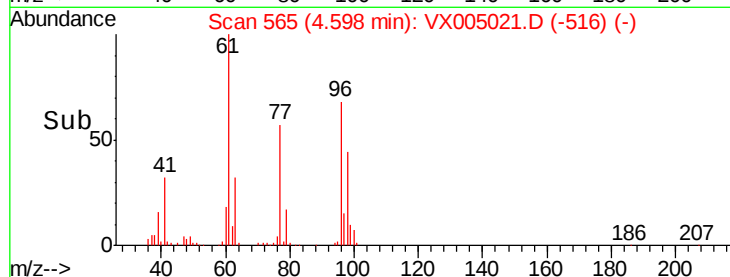
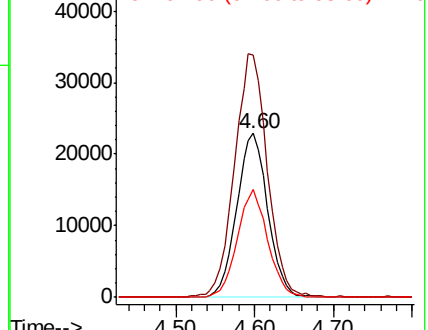
98 64.5 0.0 136.2



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: 17.172 ug/l

RT: 5.02 min Scan# 634

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

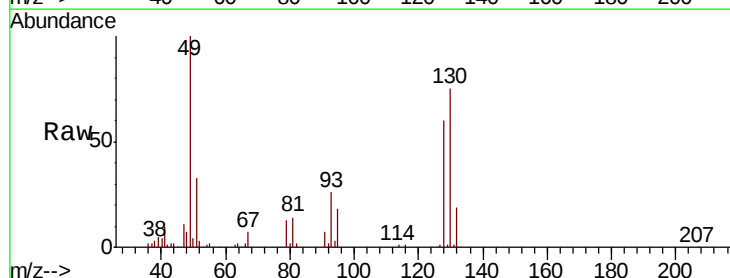
Tgt Ion: 49 Resp: 47242

Ion Ratio Lower Upper

49 100

129 1.0 0.0 4.2

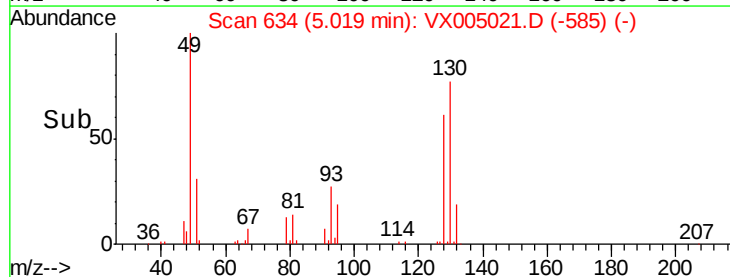
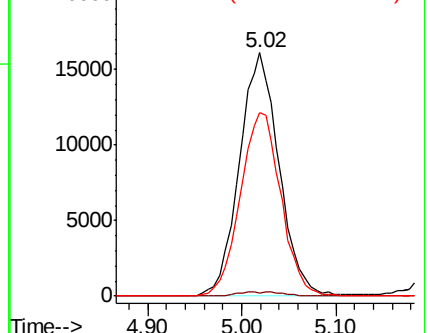
130 77.1 62.0 93.0

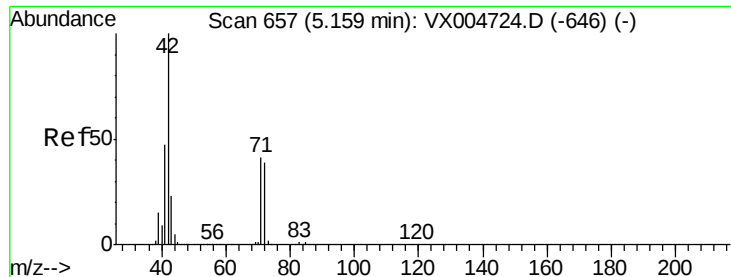


Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

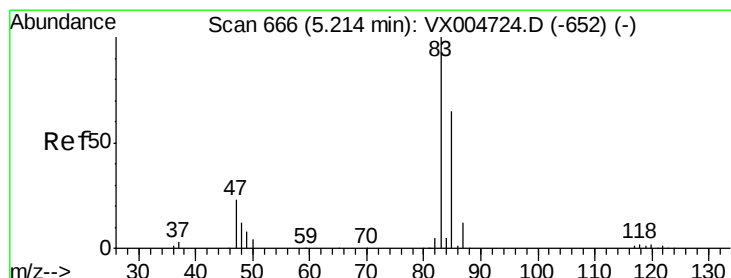
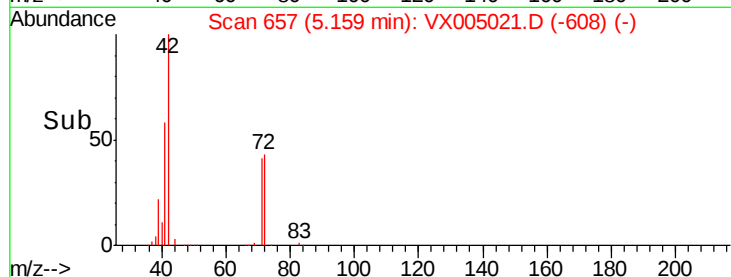
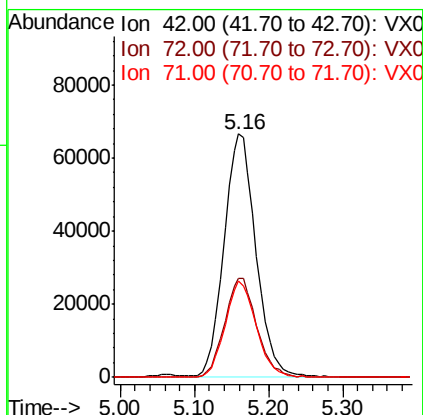
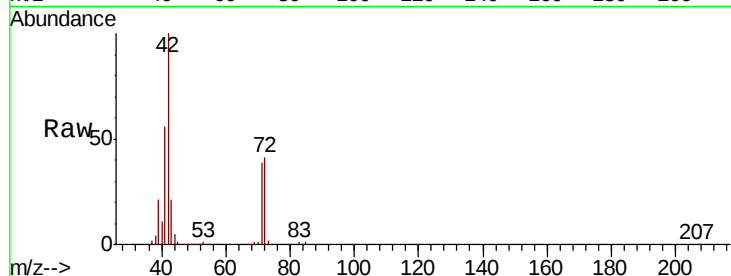




#29
Tetrahydrofuran
Concen: 105.279 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

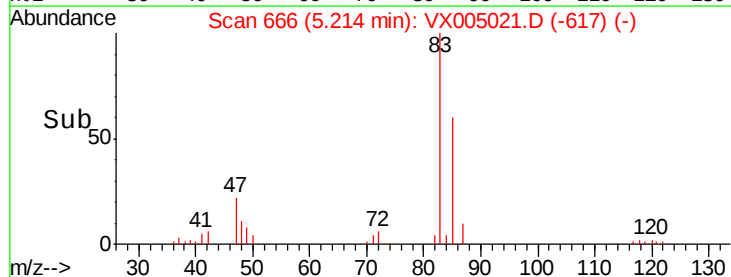
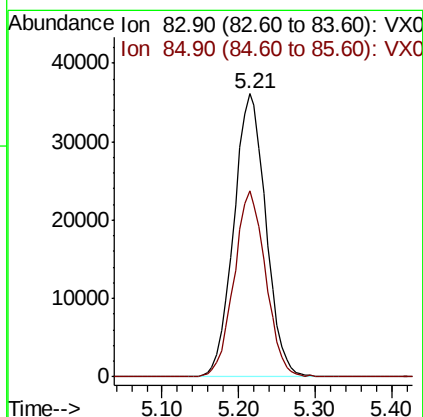
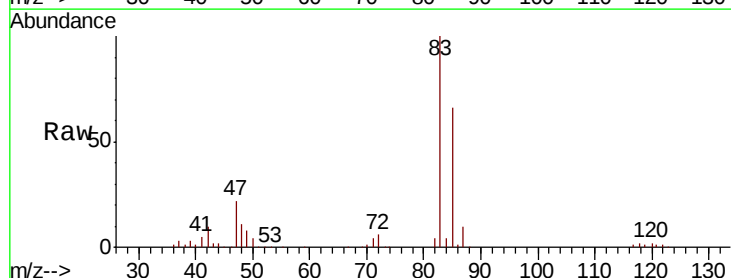
Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

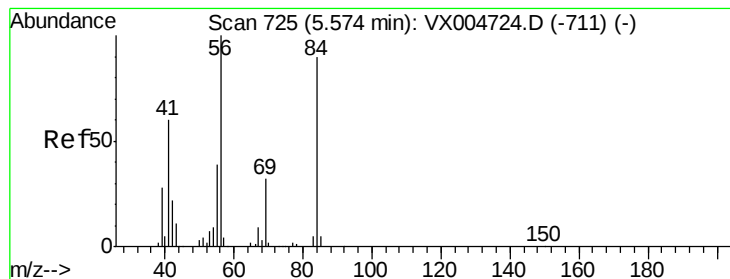
Tot Ion: 42 Resp: 197895
Ion Ratio Lower Upper
42 100
72 41.4 33.7 50.5
71 38.9 32.2 48.4



#30
Chloroform
Concen: 19.044 ug/l
RT: 5.21 min Scan# 666
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion: 83 Resp: 105150
Ion Ratio Lower Upper
83 100
85 65.9 52.4 78.6





#31

Cyclohexane

Concen: 20.116 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

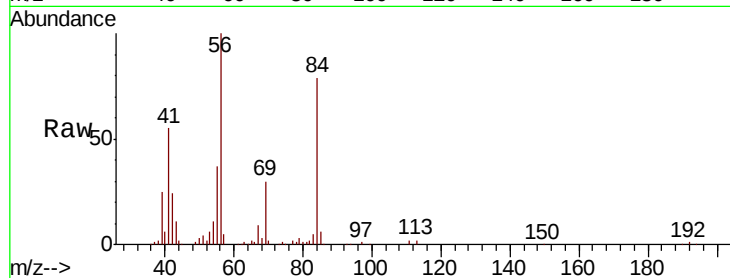
Tot Ion: 56 Resp: 89950

Ion Ratio Lower Upper

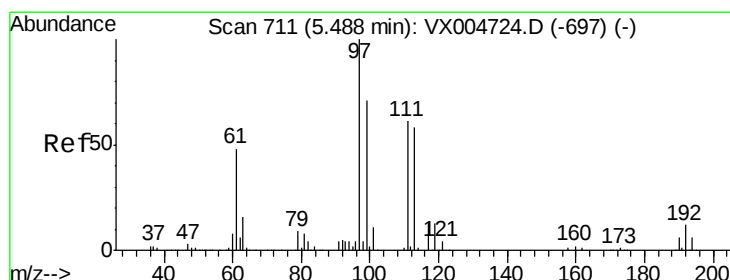
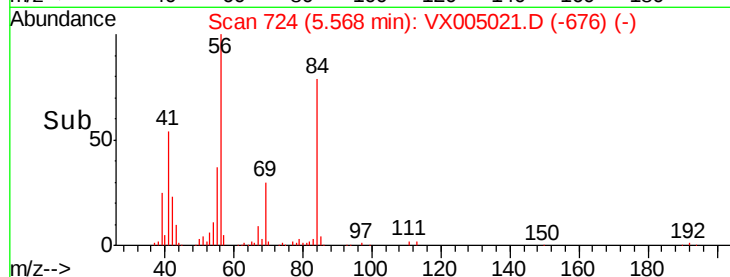
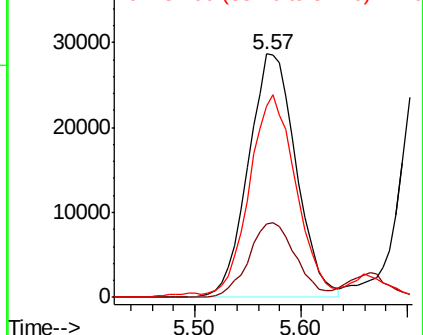
56 100

69 30.3 25.9 38.9

84 77.0 71.9 107.9



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: 19.565 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.01 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

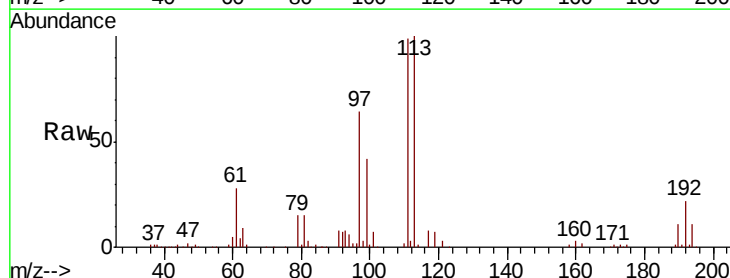
Tgt Ion: 97 Resp: 88226

Ion Ratio Lower Upper

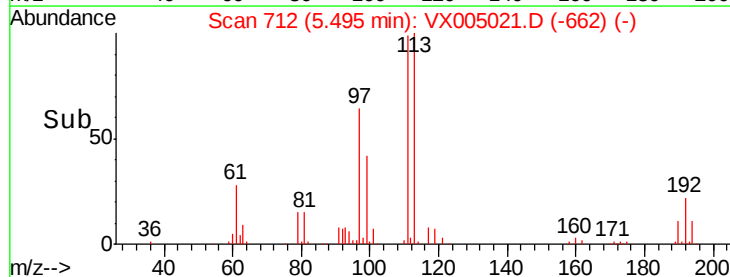
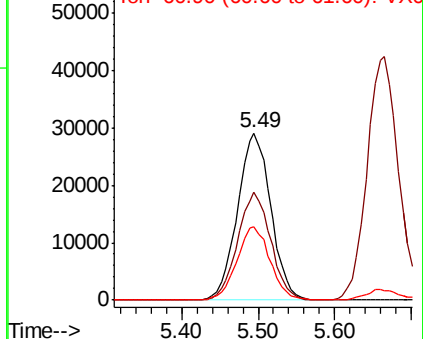
97 100

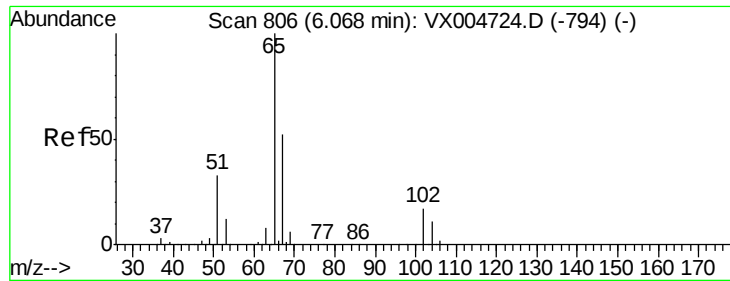
99 63.9 54.6 82.0

61 43.9 37.5 56.3



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: 48.197 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

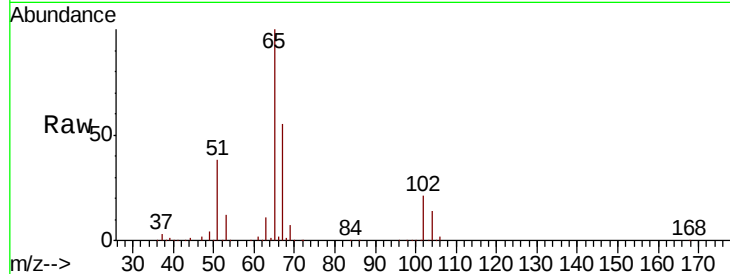
VX1004WBS03

Tot Ion: 65 Resp: 169379

Ion Ratio Lower Upper

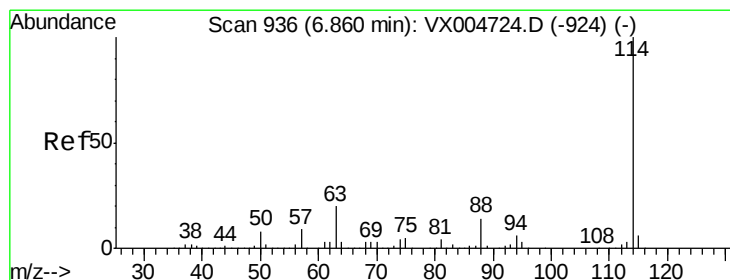
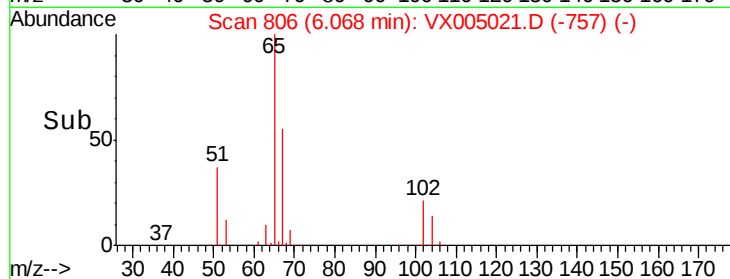
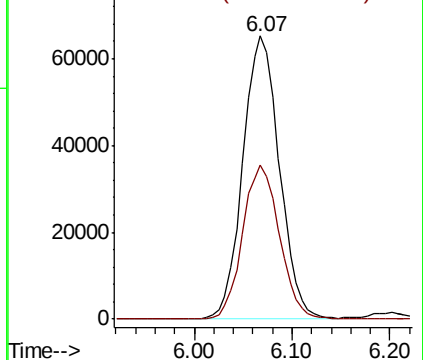
65 100

67 54.8 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

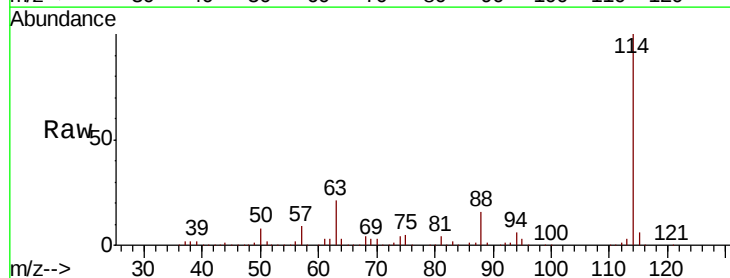
Tgt Ion: 114 Resp: 373203

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.8

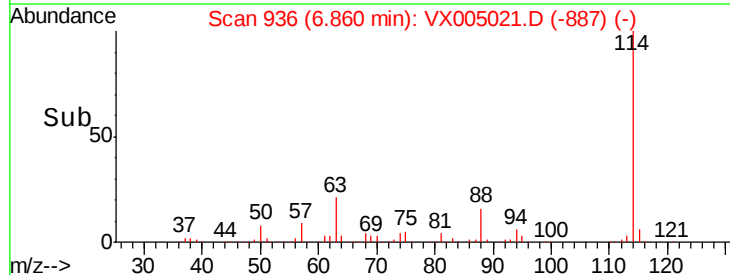
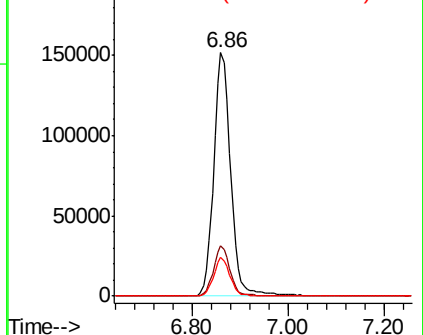
88 15.7 0.0 27.0

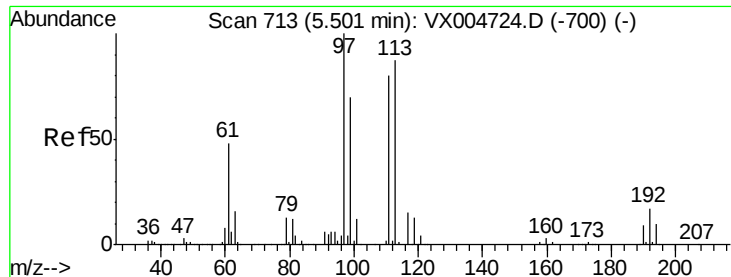


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 43.777 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

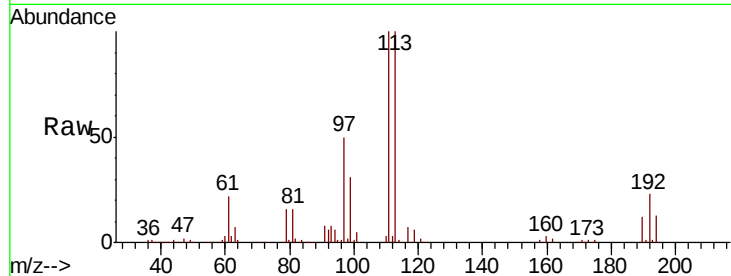
Tot Ion:113 Resp: 138465

Ion Ratio Lower Upper

113 100

111 100.7 77.0 115.4

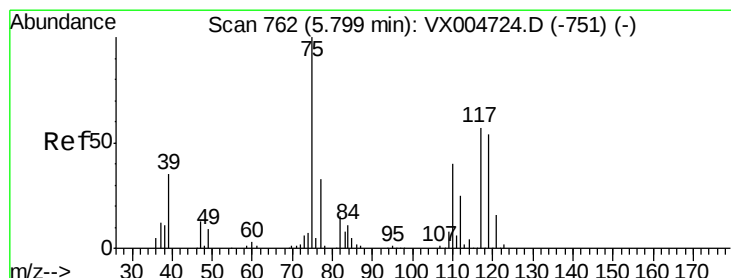
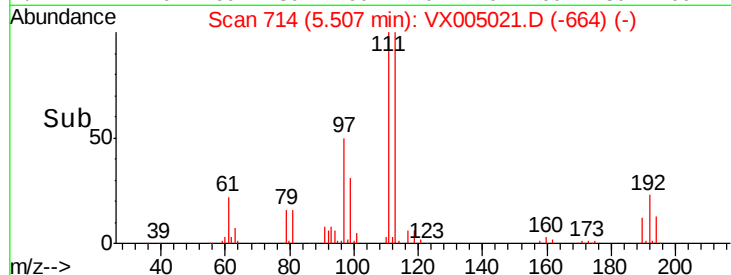
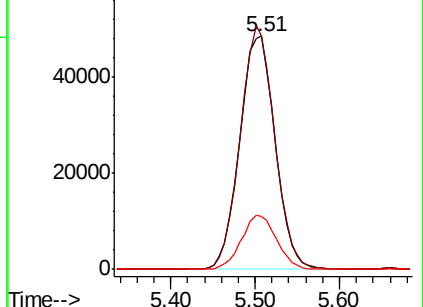
192 22.9 17.0 25.6



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: 17.215 ug/l

RT: 5.80 min Scan# 762

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

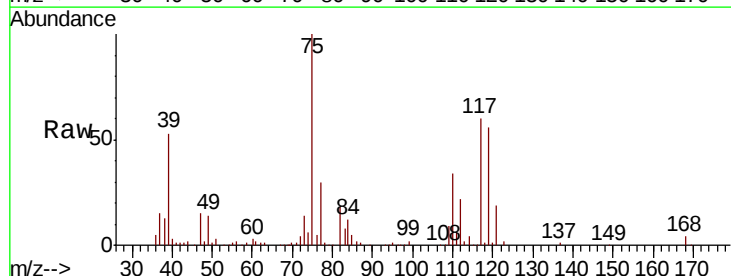
Tgt Ion: 75 Resp: 74292

Ion Ratio Lower Upper

75 100

110 37.0 20.0 59.9

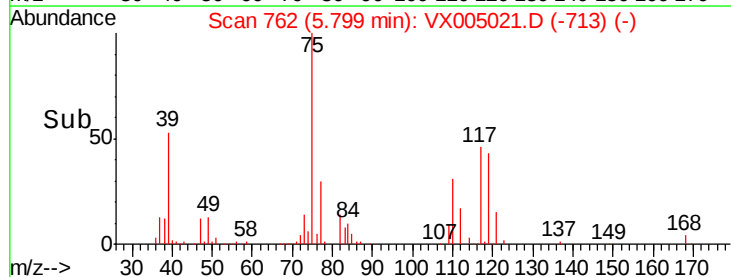
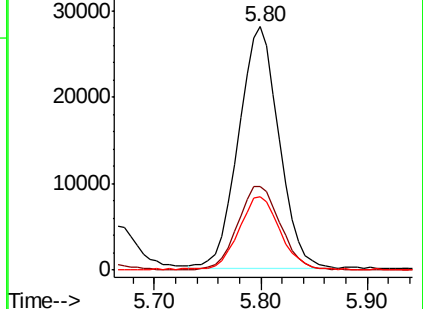
77 30.9 27.1 40.7

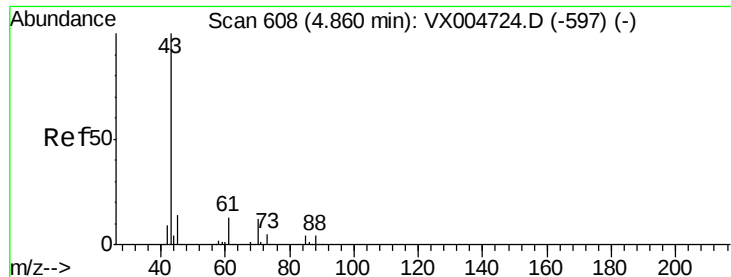


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

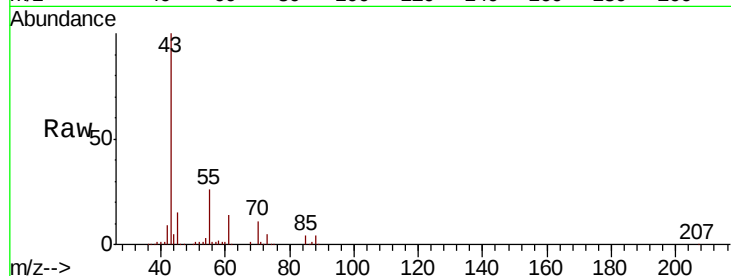




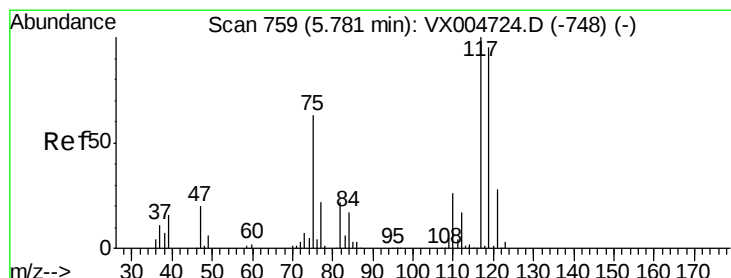
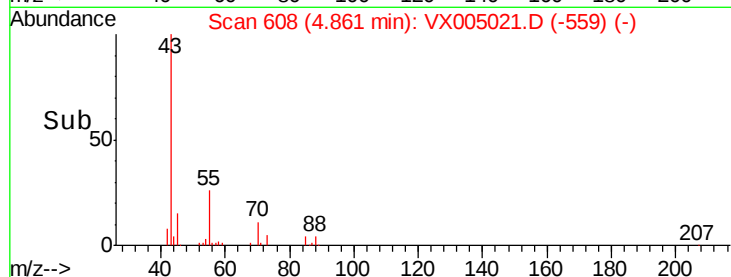
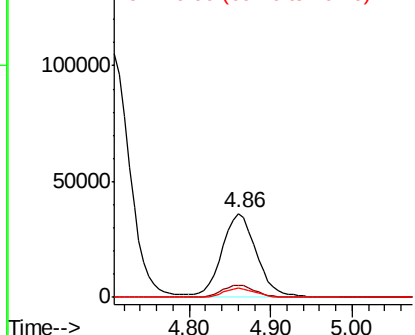
#37
Ethyl Acetate
Concen: 18.364 ug/l
RT: 4.86 min Scan# 608
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

Tot Ion: 43 Resp: 105195
Ion Ratio Lower Upper
43 100
61 13.8 10.4 15.6
70 10.5 8.7 13.1

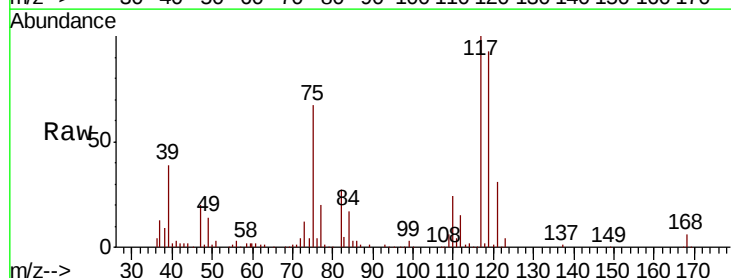


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

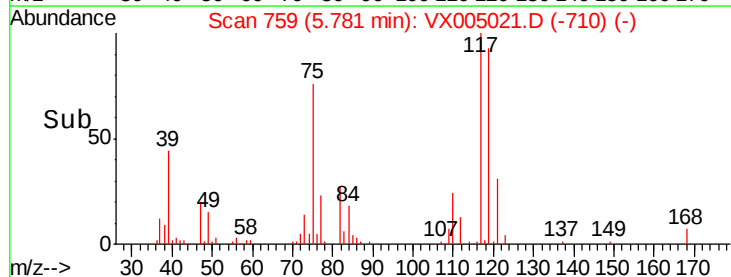
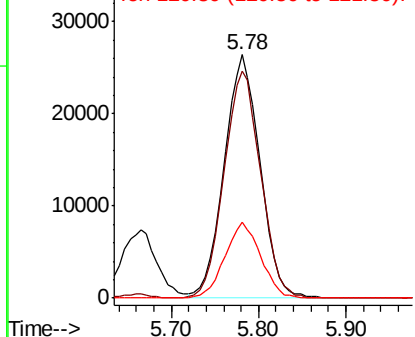


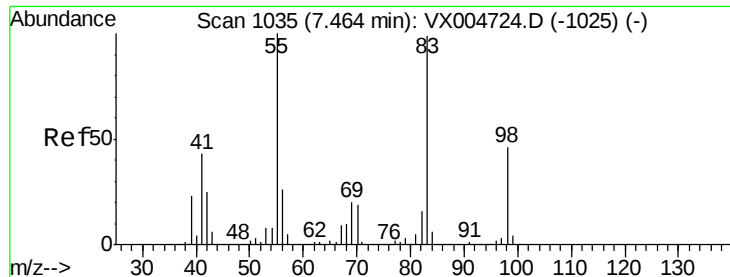
#38
Carbon Tetrachloride
Concen: 16.546 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion: 117 Resp: 75058
Ion Ratio Lower Upper
117 100
119 93.1 75.2 112.8
121 31.2 22.5 33.7



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

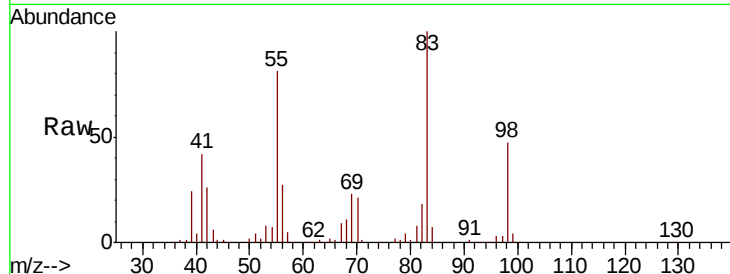




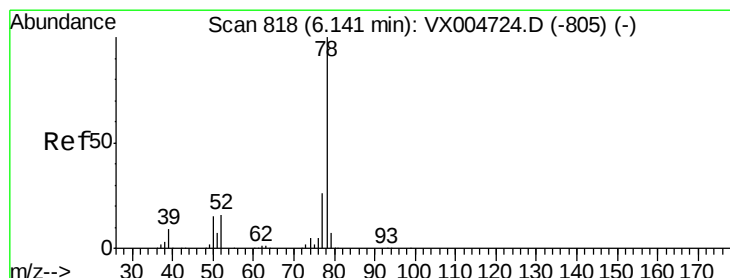
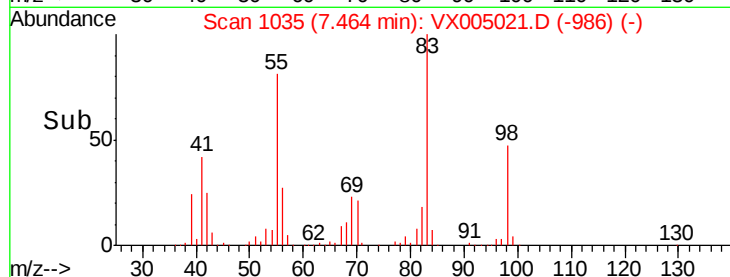
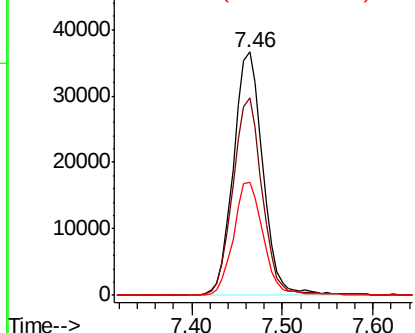
#39
Methvlcvclohexane
Concen: 18.766 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

Tot Ion: 83 Resp: 82691
Ion Ratio Lower Upper
83 100
55 81.3 81.1 121.7
98 46.5 37.3 55.9

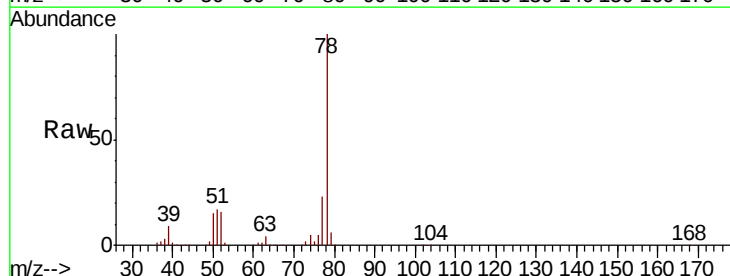


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

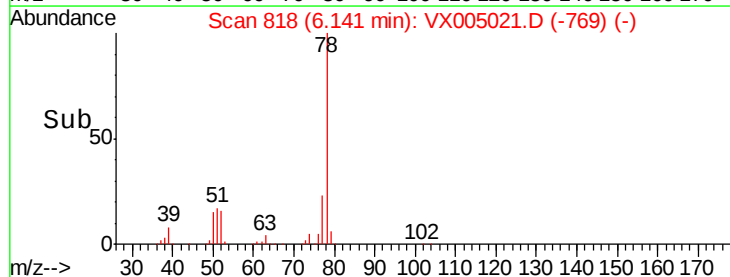
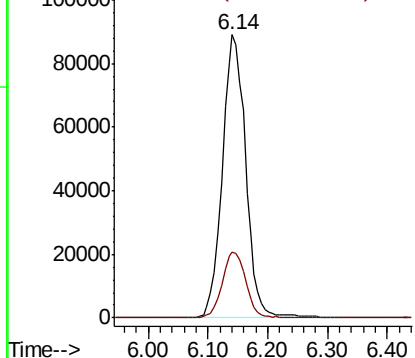


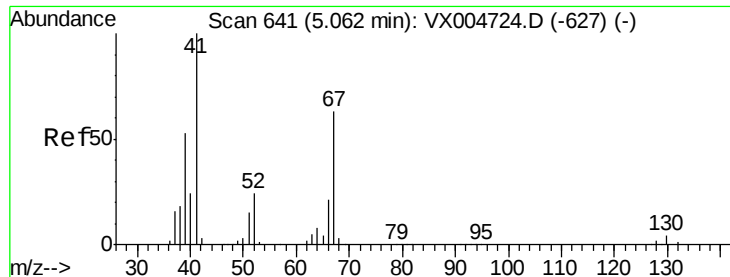
#40
Benzene
Concen: 17.967 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion: 78 Resp: 242734
Ion Ratio Lower Upper
78 100
77 23.4 21.0 31.4



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





#41

Methacrylonitrile

Concen: 18.619 ug/l

RT: 5.06 min Scan# 641

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampled :

VX1004WBS03

Tot Ion: 41 Resp: 59148

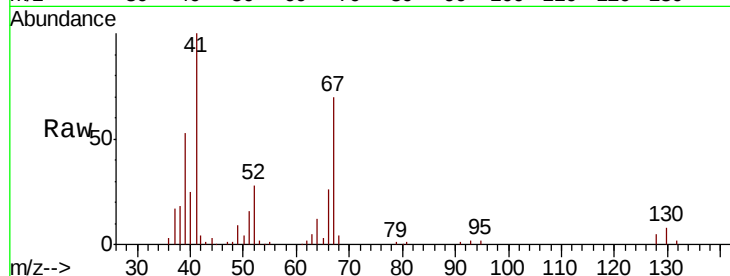
Ion Ratio Lower Upper

41 100

39 52.4 42.5 63.7

67 70.5 53.0 79.6

52 27.3 19.8 29.8

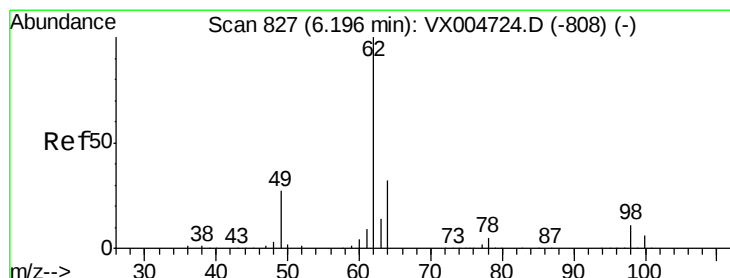
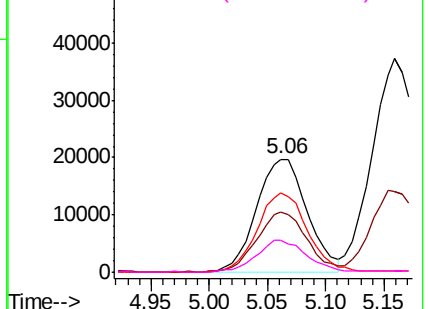
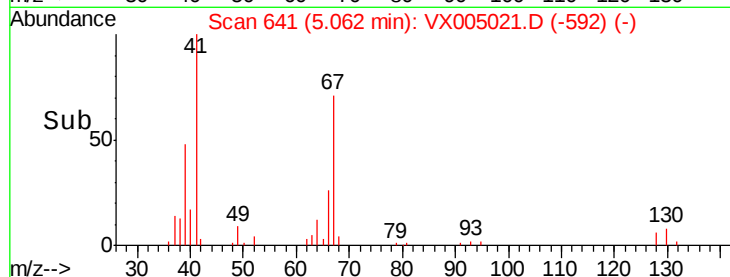


Abundance Ion 41.00 (40.70 to 41.70): VX0

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: 17.645 ug/l

RT: 6.20 min Scan# 827

Delta R.T. 0.00 min

Lab File: VX005021.D

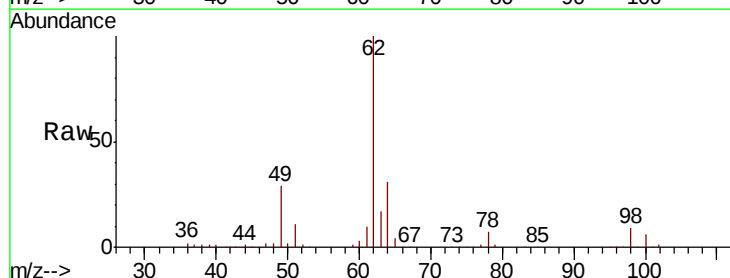
Acq: 04 Oct 2018 16:28

Tgt Ion: 62 Resp: 84273

Ion Ratio Lower Upper

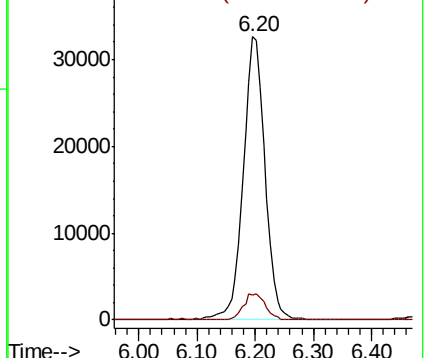
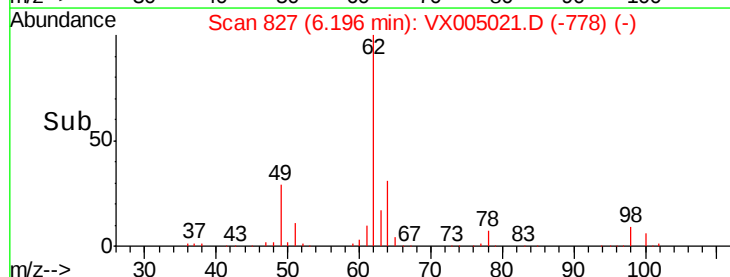
62 100

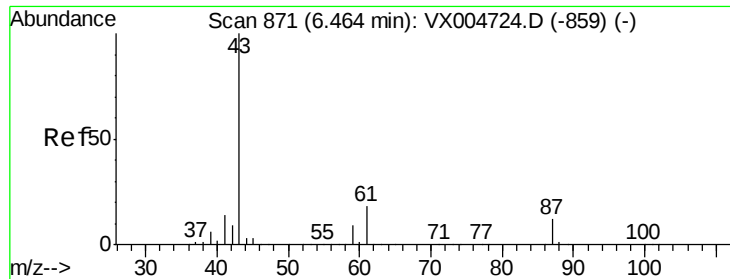
98 9.4 0.0 20.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 18.563 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

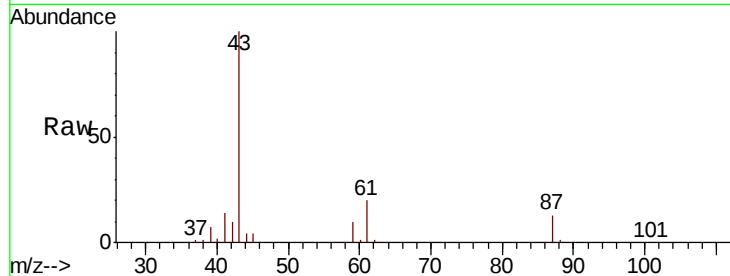
Tot Ion: 43 Resp: 153474

Ion Ratio Lower Upper

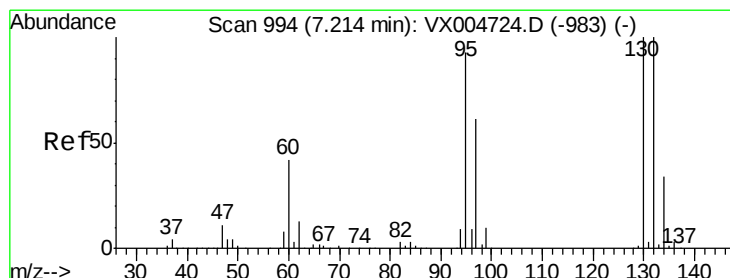
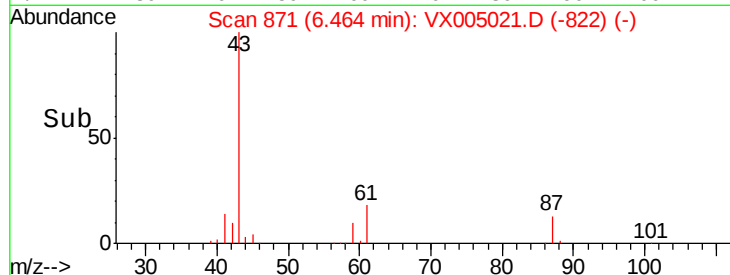
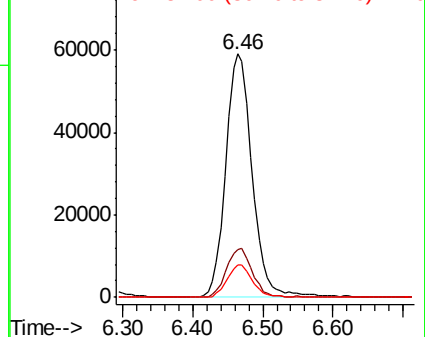
43 100

61 19.8 14.2 21.4

87 13.0 9.3 13.9



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: 19.549 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX005021.D

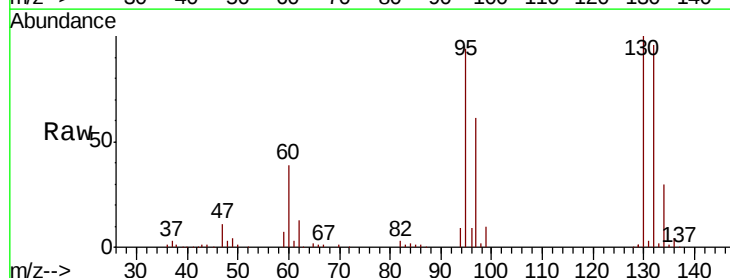
Acq: 04 Oct 2018 16:28

Tgt Ion:130 Resp: 64927

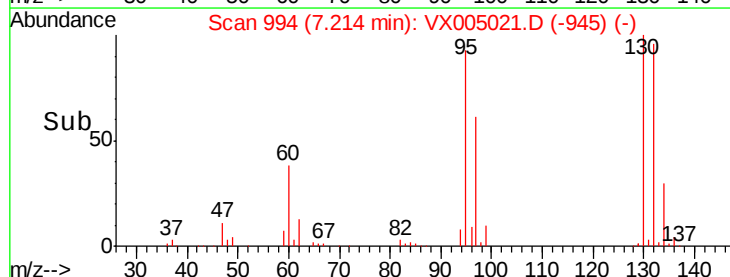
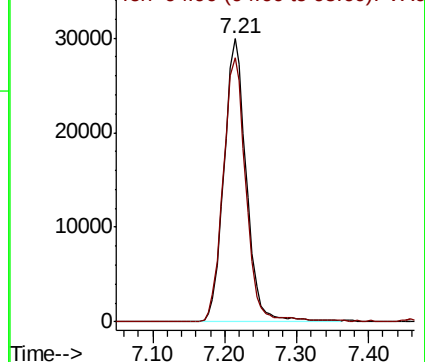
Ion Ratio Lower Upper

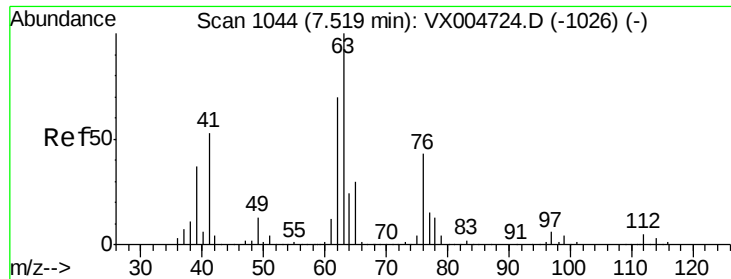
130 100

95 93.5 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.302 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

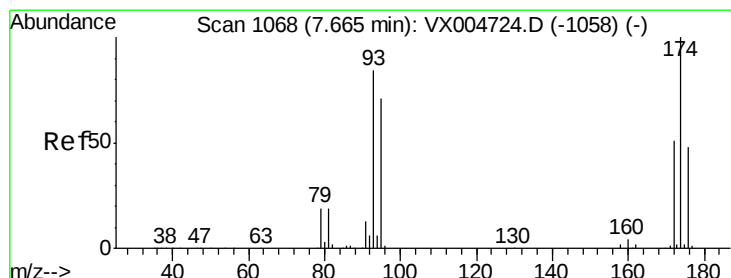
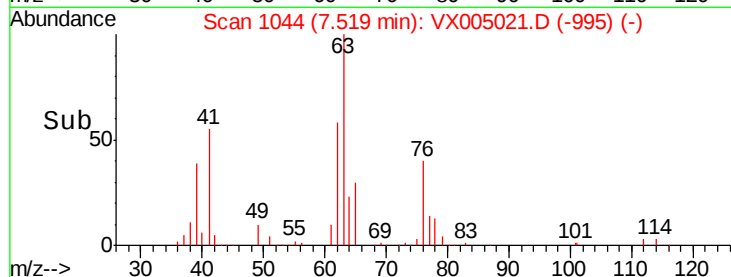
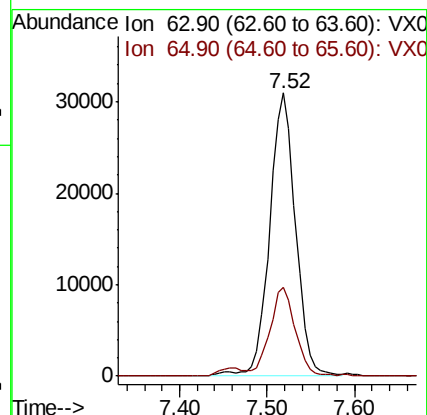
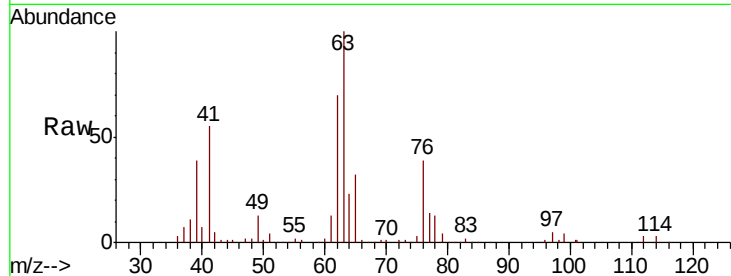
VX1004WBS03

Tot Ion: 63 Resp: 63950

Ion Ratio Lower Upper

63 100

65 31.5 23.9 35.9



#46

Dibromomethane

Concen: 19.652 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

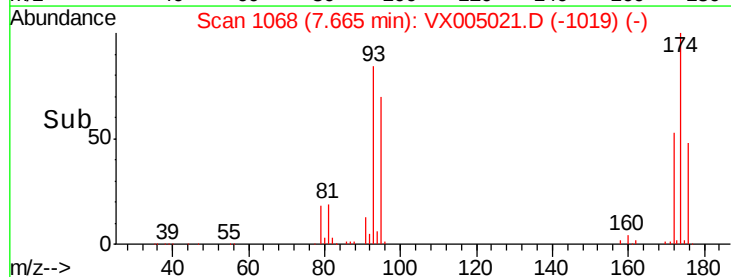
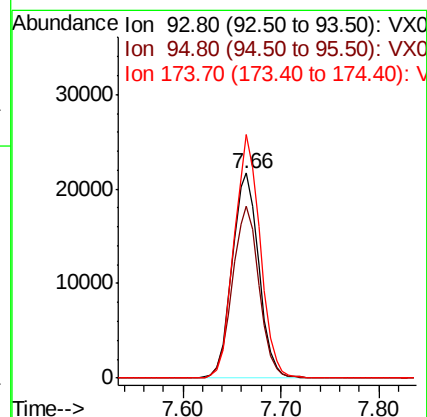
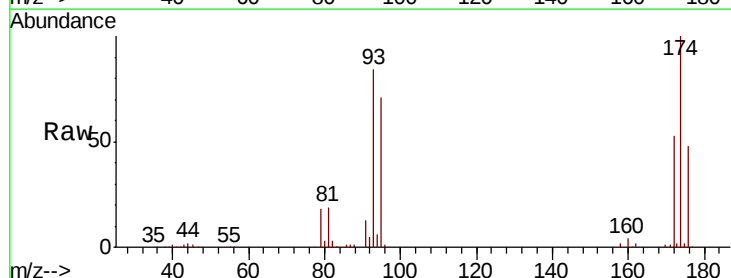
Tgt Ion: 93 Resp: 40918

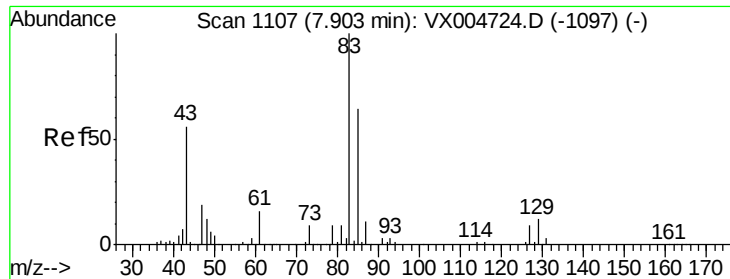
Ion Ratio Lower Upper

93 100

95 83.8 66.7 100.1

174 116.3 92.7 139.1





#47

Bromodichloromethane

Concen: 19.805 ug/l

RT: 7.90 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

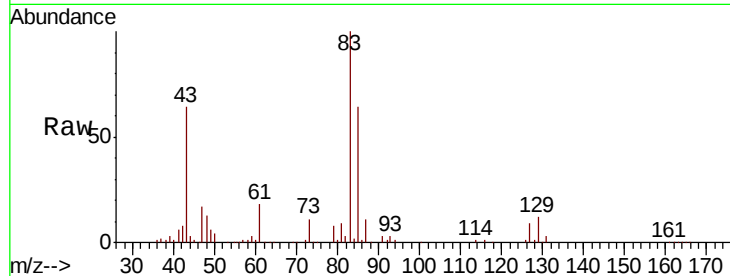
Tot Ion: 83 Resp: 77208

Ion Ratio Lower Upper

83 100

85 64.2 51.2 76.8

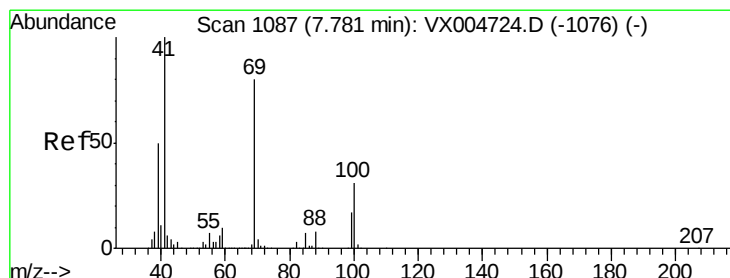
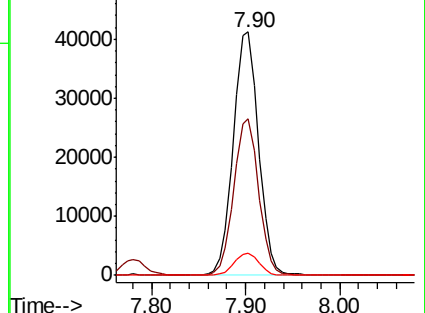
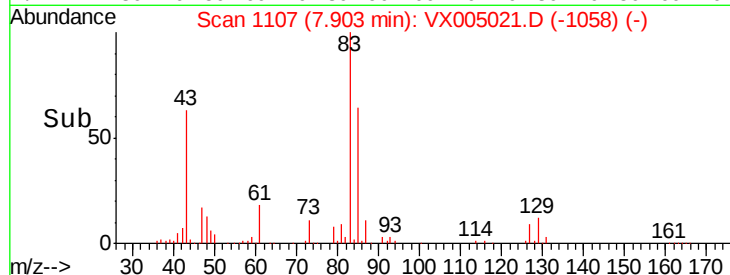
127 9.0 7.0 10.6



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: 20.876 ug/l

RT: 7.78 min Scan# 1087

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

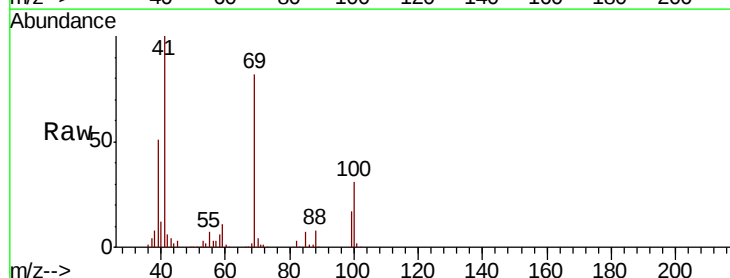
Tgt Ion: 41 Resp: 78341

Ion Ratio Lower Upper

41 100

69 82.6 63.8 95.6

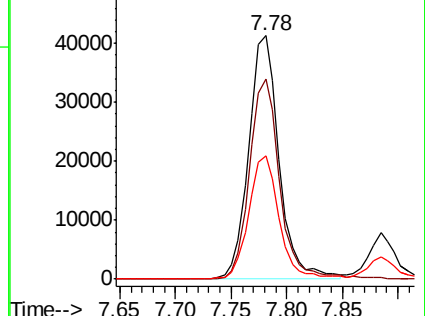
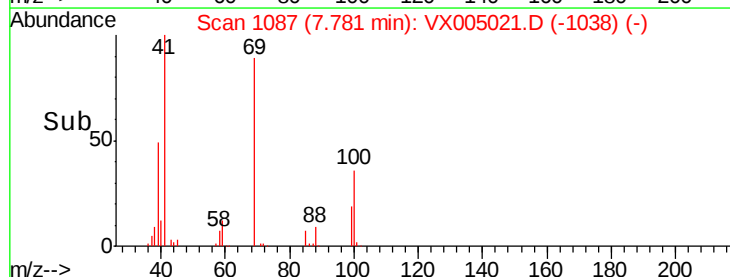
39 50.3 40.7 61.1

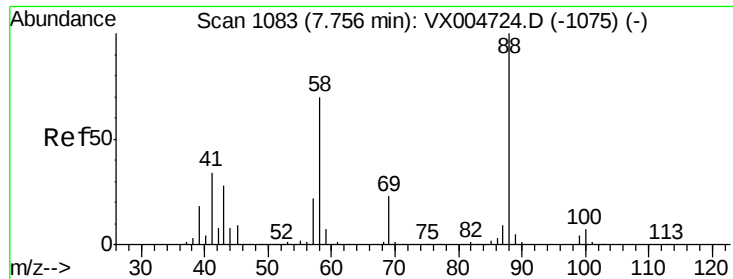


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

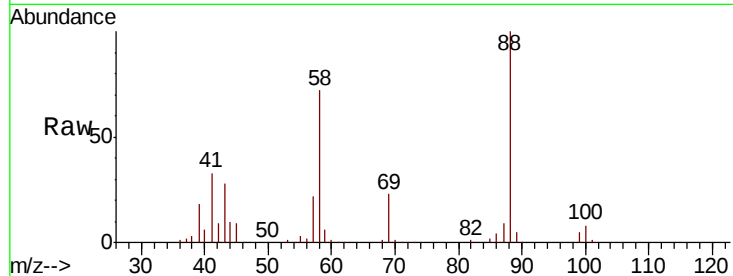




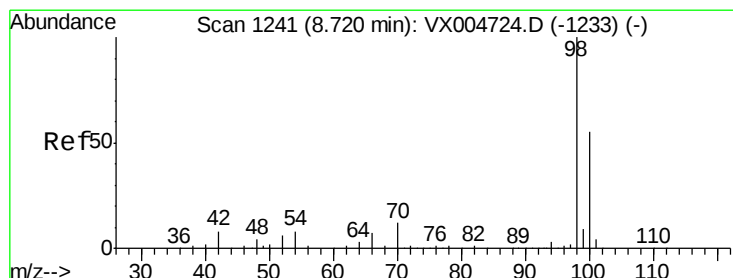
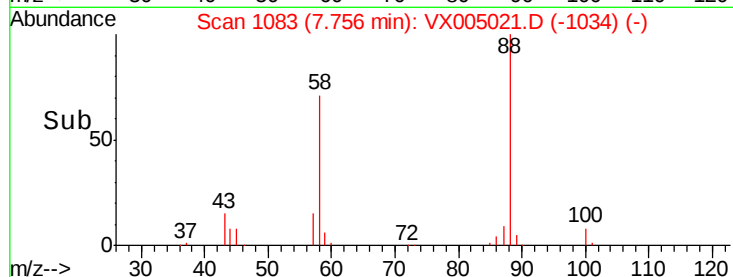
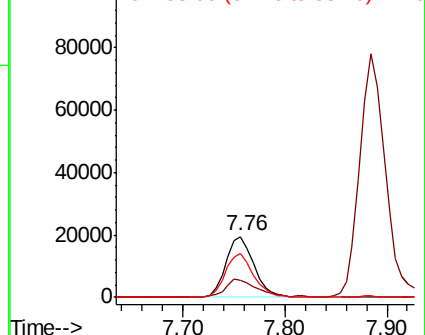
#49
1,4-Dioxane
Concen: 400.357 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

Tot Ion: 88 Resp: 37326
Ion Ratio Lower Upper
88 100
43 33.1 25.1 37.7
58 73.0 56.2 84.2

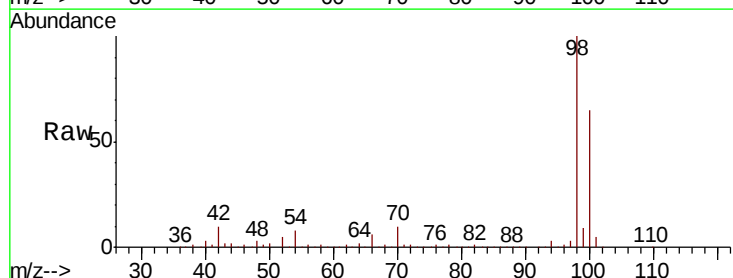


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

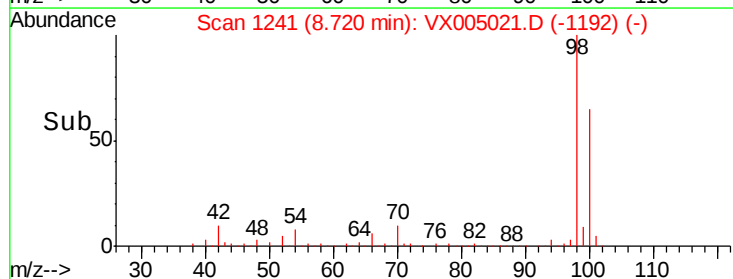
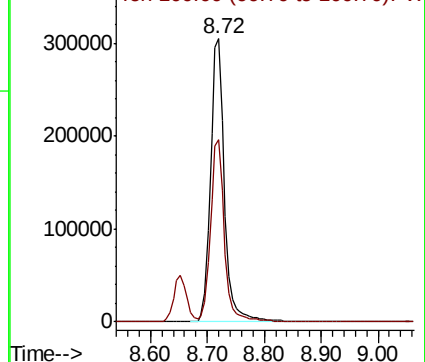


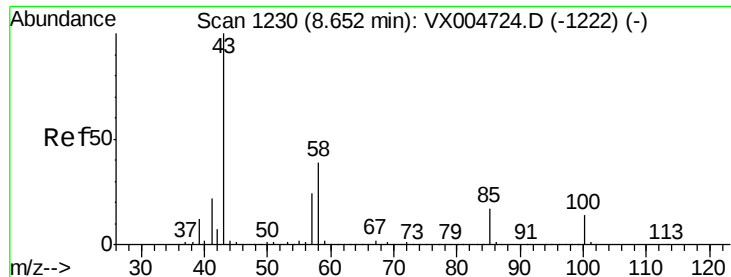
#50
Toluene-d8
Concen: 49.437 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion: 98 Resp: 519842
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



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

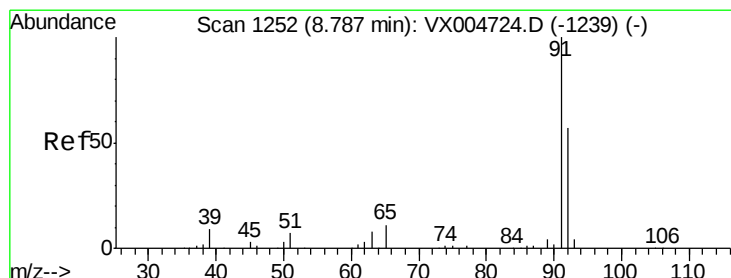
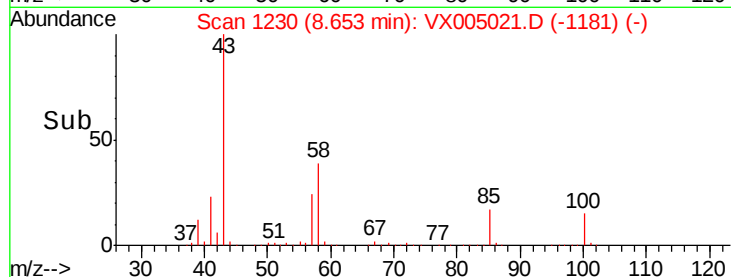
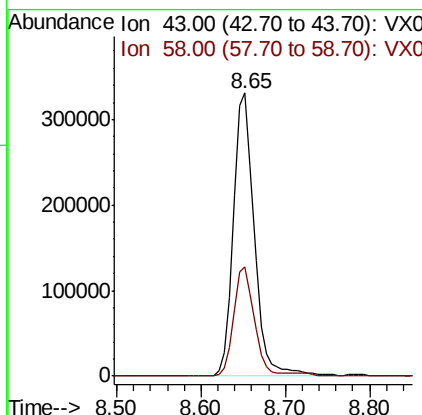
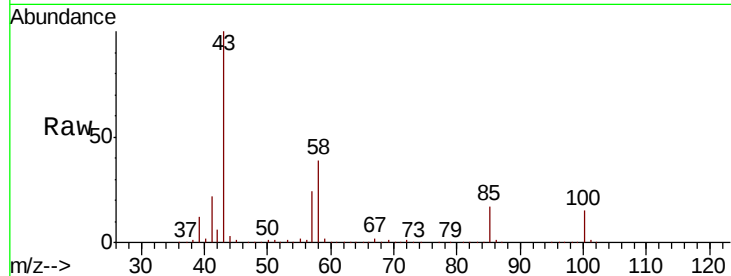




#51
4-Methyl-2-Pentanone
Concen: 107.080 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

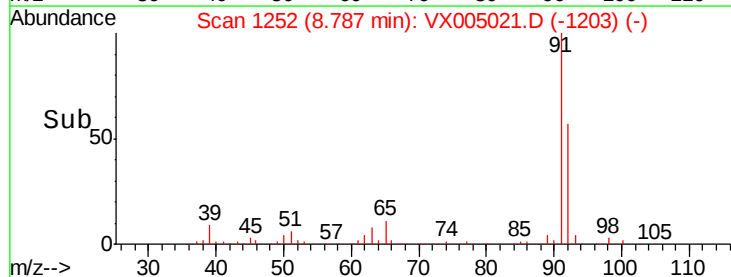
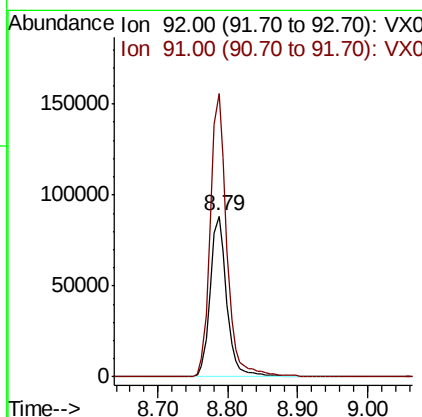
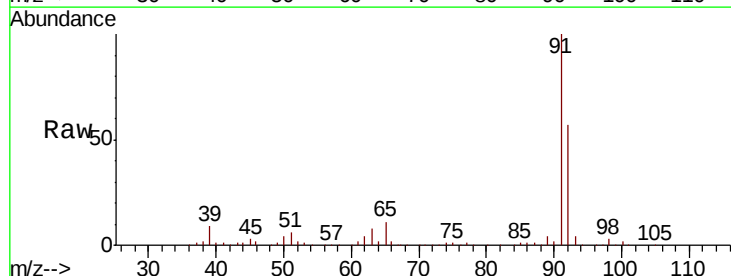
Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

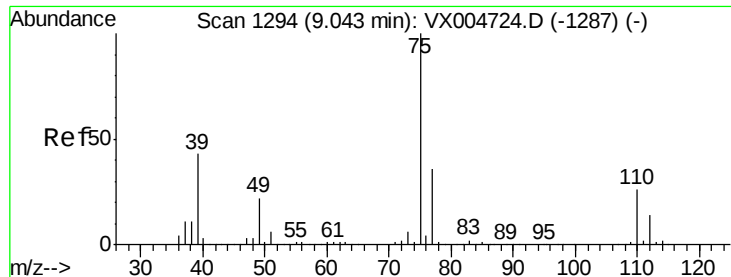
Tot Ion: 43 Resp: 557445
Ion Ratio Lower Upper
43 100
58 37.7 30.5 45.7



#52
Toluene
Concen: 19.803 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion: 92 Resp: 147014
Ion Ratio Lower Upper
92 100
91 175.0 136.7 205.1

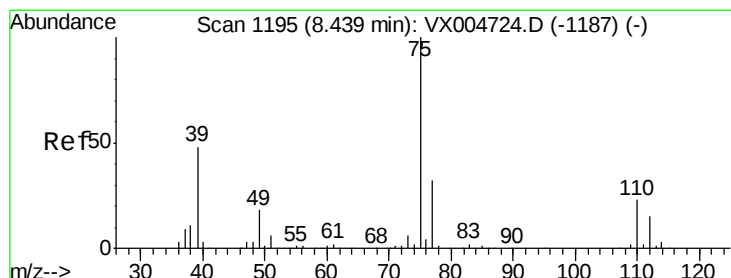
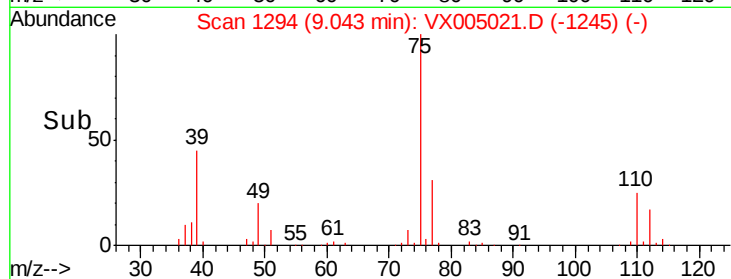
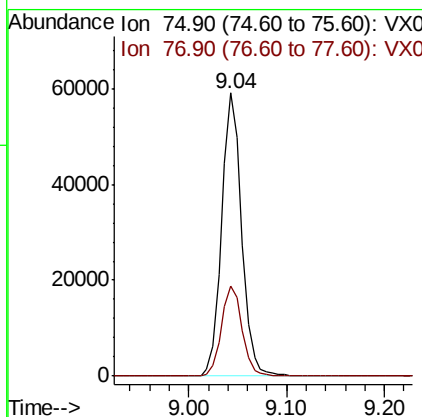
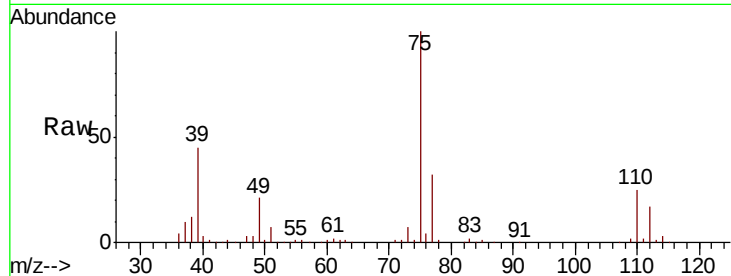




#53
 t-1,3-Dichloropropene
 Concen: 18.962 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

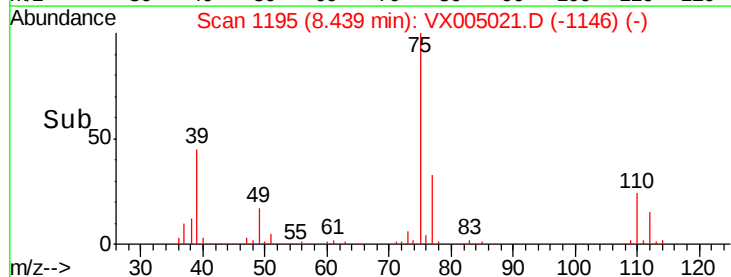
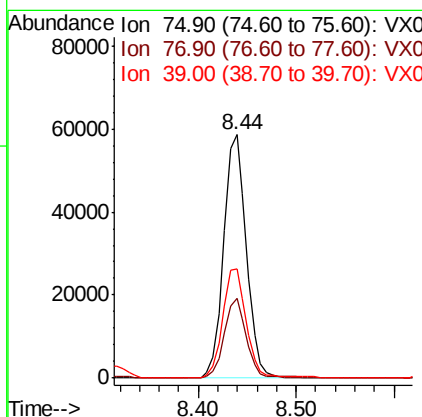
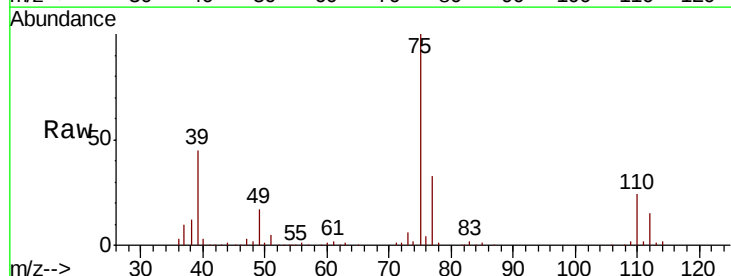
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS03

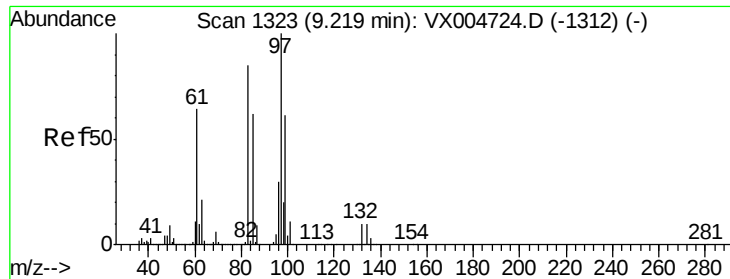
Tot Ion: 75 Resp: 83533
 Ion Ratio Lower Upper
 75 100
 77 31.7 28.9 43.3



#54
 cis-1,3-Dichloropropene
 Concen: 20.463 ug/l
 RT: 8.44 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Tgt Ion: 75 Resp: 94422
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.7 38.5
 39 44.6 38.3 57.5





#55

1,1,2-Trichloroethane

Concen: 19.190 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.01 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

Tot Ion: 97 Resp: 62403

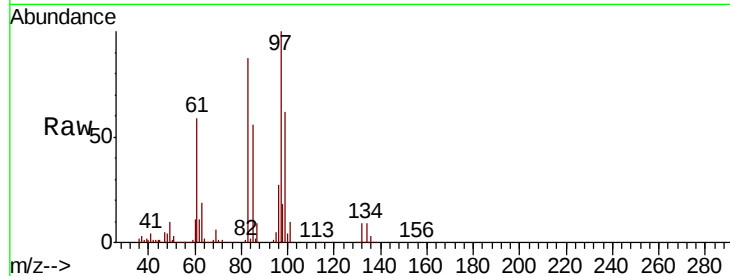
Ion Ratio Lower Upper

97 100

83 87.1 68.2 102.2

85 55.9 49.9 74.9

99 61.7 48.9 73.3

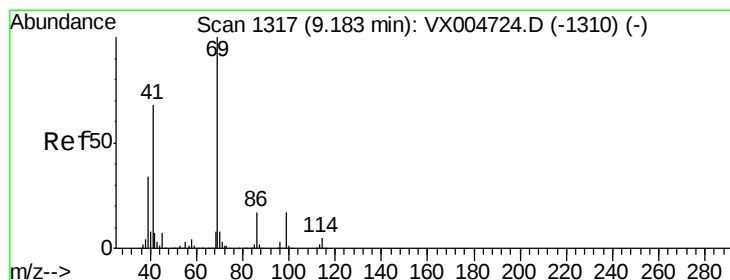
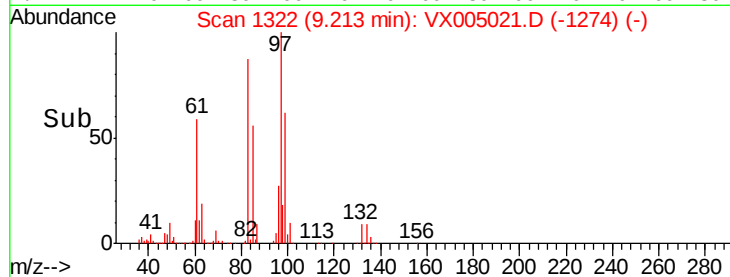
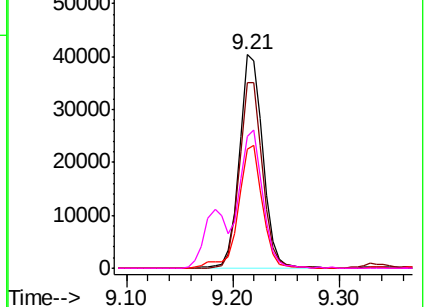


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.868 ug/l

RT: 9.18 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

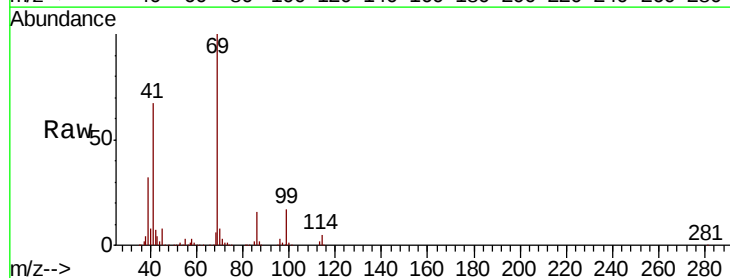
Tgt Ion: 69 Resp: 95184

Ion Ratio Lower Upper

69 100

41 68.0 56.9 85.3

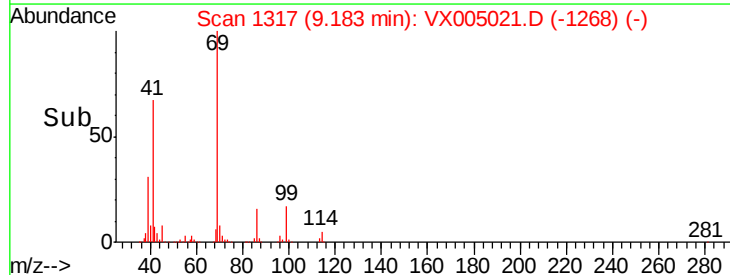
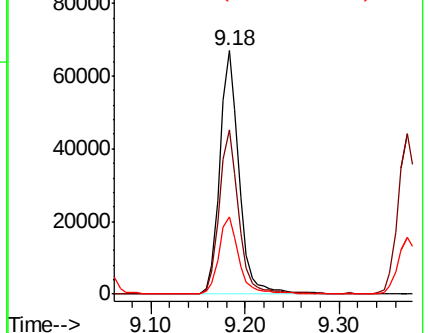
39 32.7 28.4 42.6

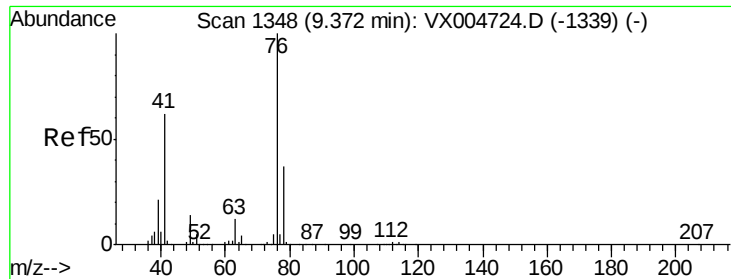


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 19.390 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

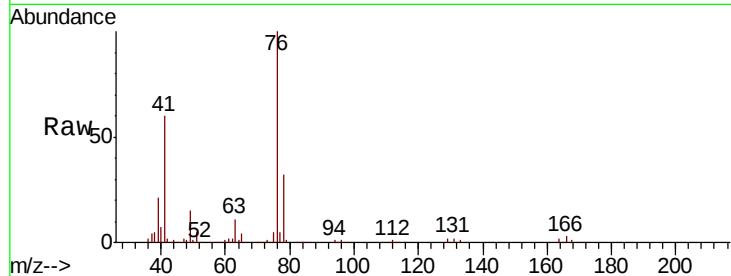
VX1004WBS03

Tot Ion: 76 Resp: 104943

Ion Ratio Lower Upper

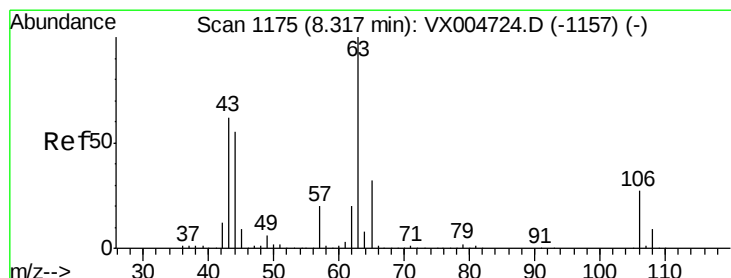
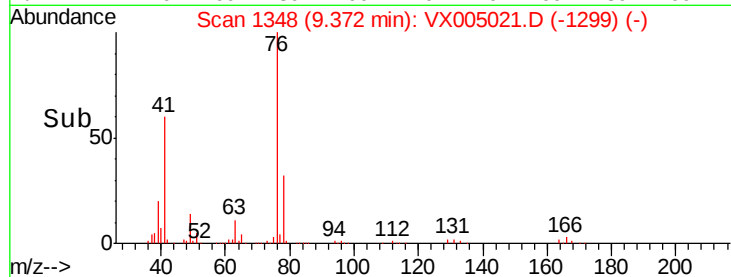
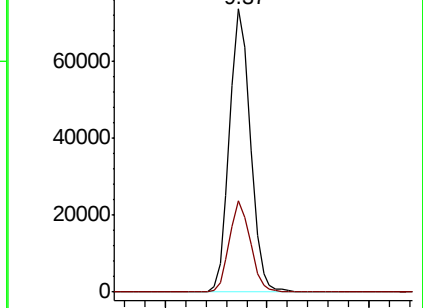
76 100

78 32.2 26.6 40.0



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: 105.997 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX005021.D

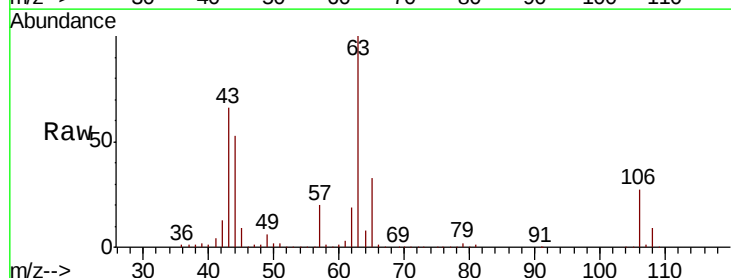
Acq: 04 Oct 2018 16:28

Tgt Ion: 63 Resp: 272618

Ion Ratio Lower Upper

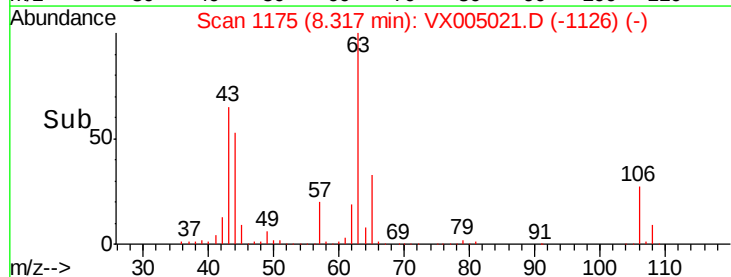
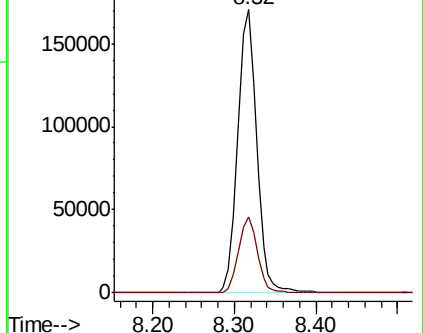
63 100

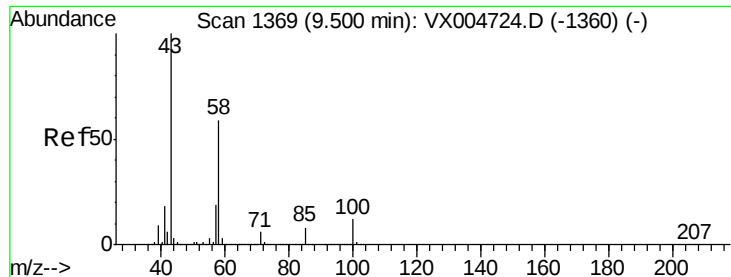
106 27.0 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

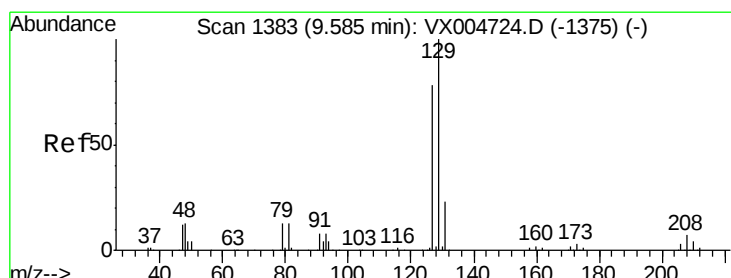
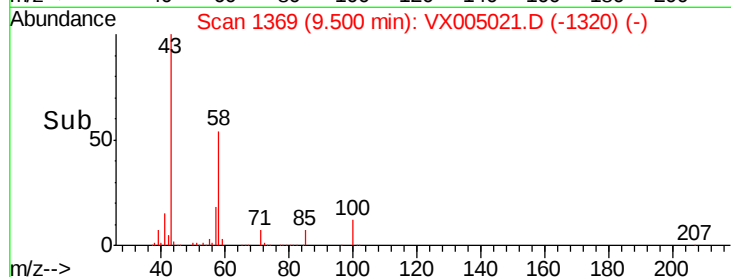
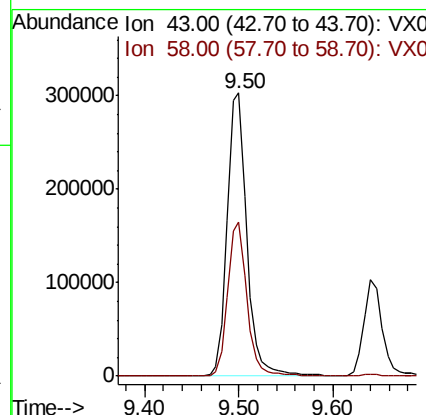
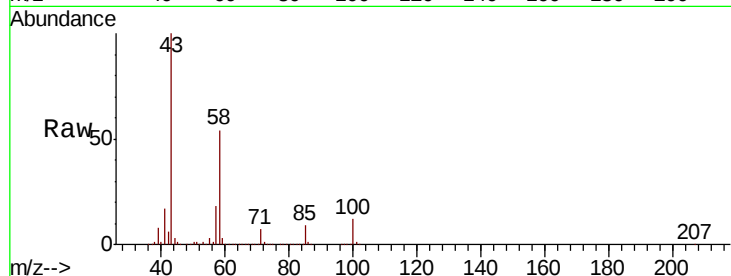




#59
2-Hexanone
Concen: 100.850 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

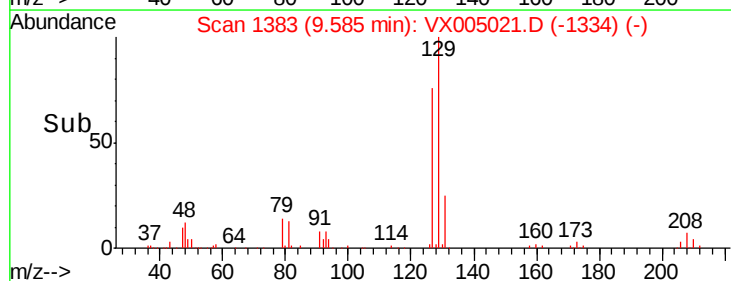
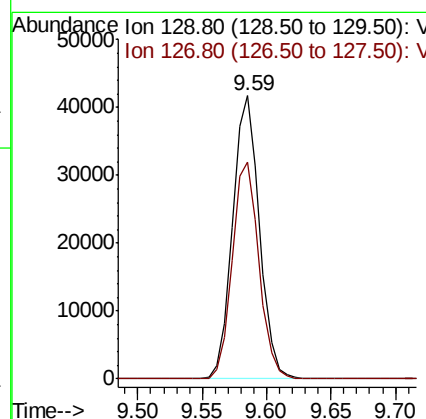
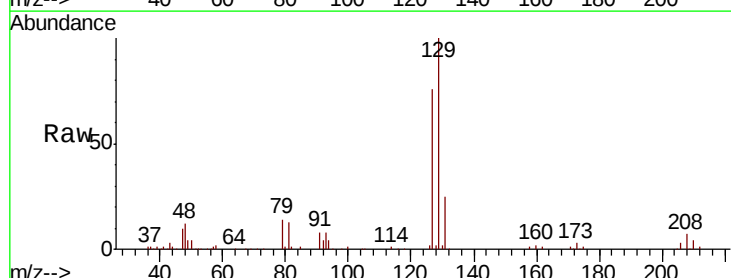
Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

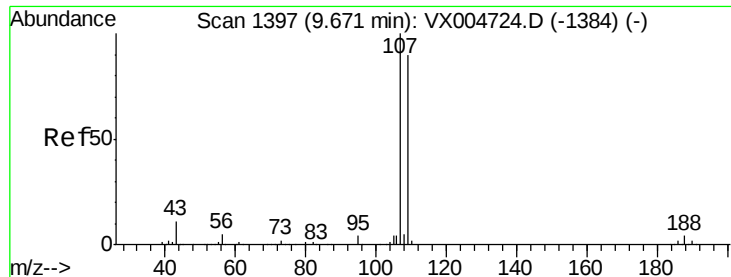
Tot Ion: 43 Resp: 437505
Ion Ratio Lower Upper
43 100
58 53.6 28.4 85.3



#60
Dibromochloromethane
Concen: 18.736 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion: 129 Resp: 60930
Ion Ratio Lower Upper
129 100
127 76.5 39.1 117.2





#61

1,2-Dibromoethane

Concen: 18.476 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.01 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

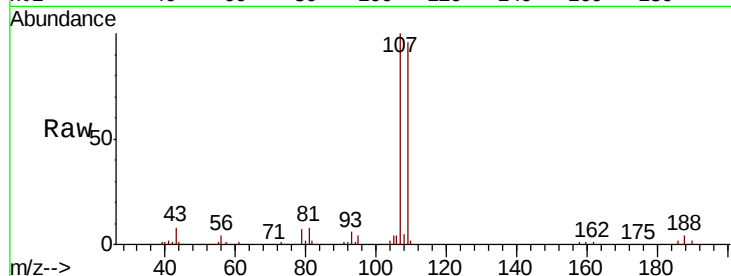
VX1004WBS03

Tot Ion:107 Resp: 64342

Ion Ratio Lower Upper

107 100

109 93.5 72.1 108.1

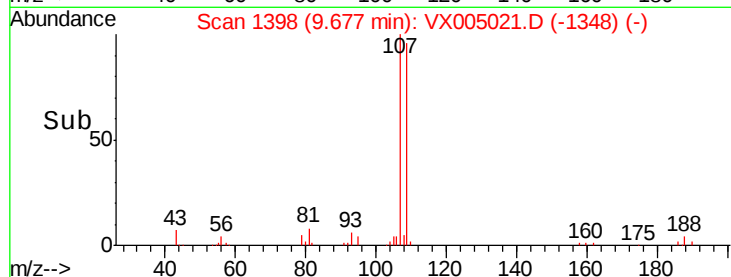


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.68

Time-->



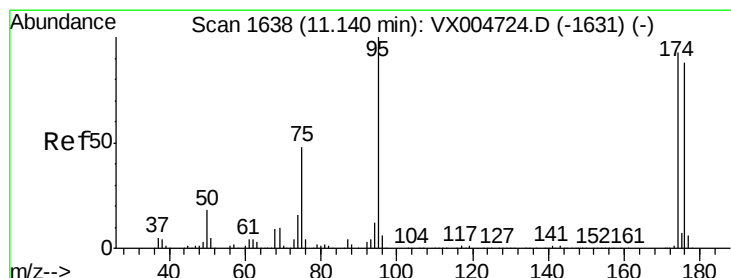
Abundance

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: 49.981 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

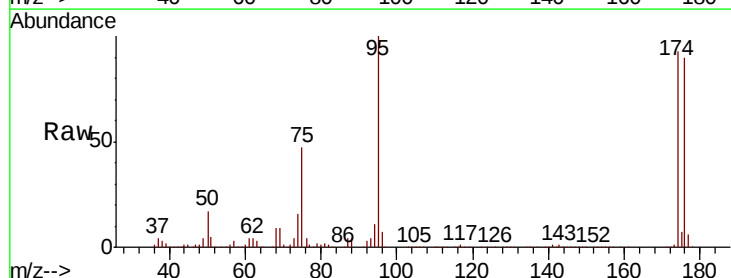
Tgt Ion: 95 Resp: 189335

Ion Ratio Lower Upper

95 100

174 91.4 0.0 185.0

176 88.6 0.0 180.2



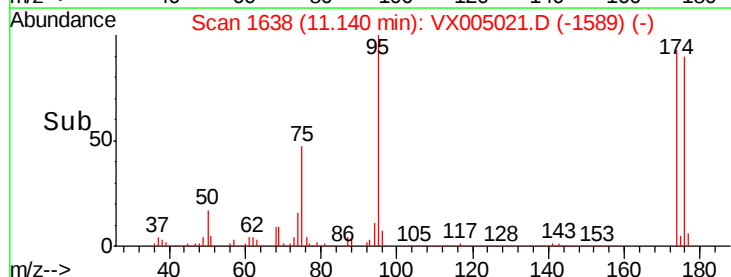
Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

Time-->



Abundance

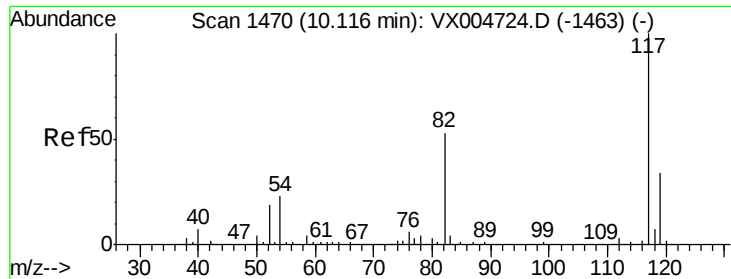
Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.14

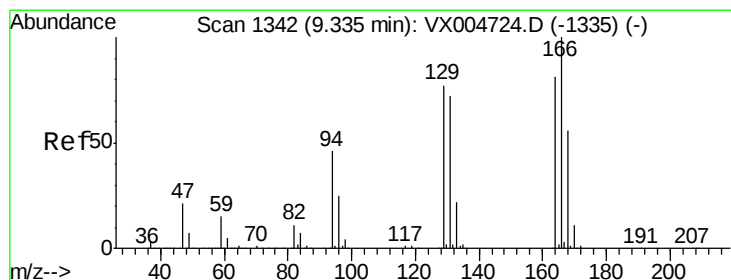
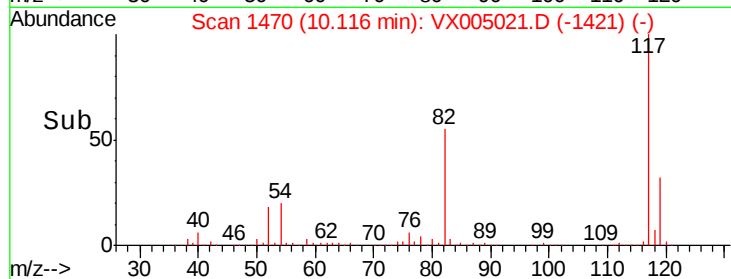
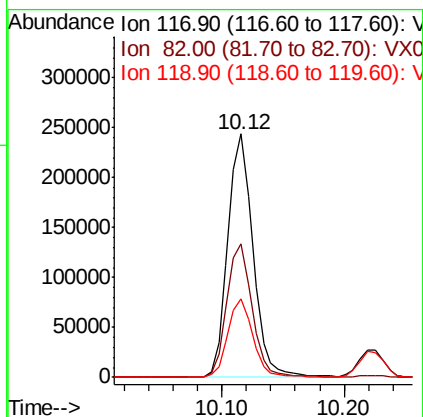
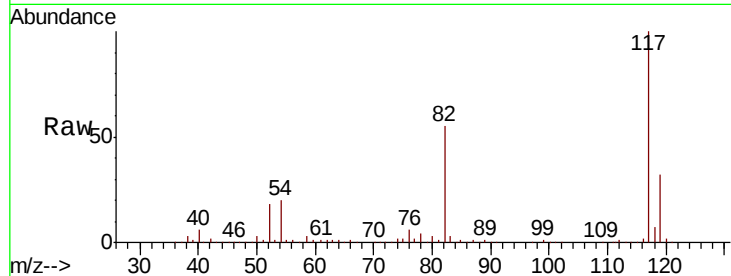
Time-->



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

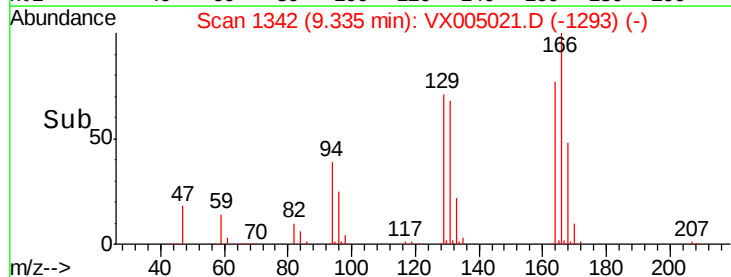
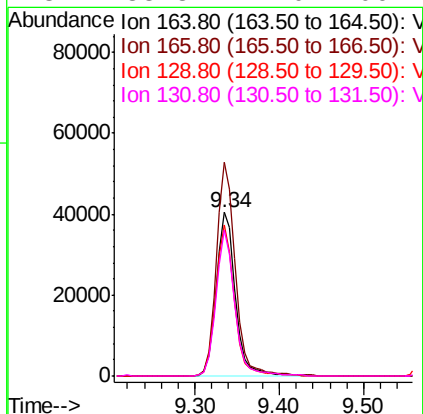
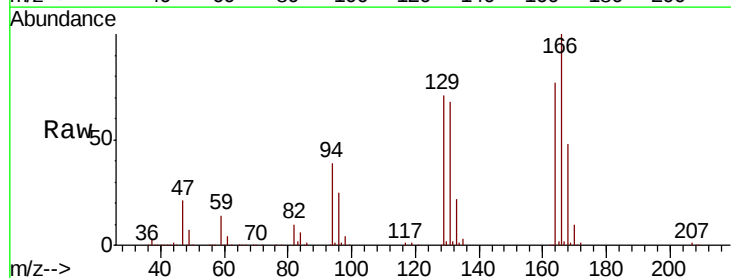
Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

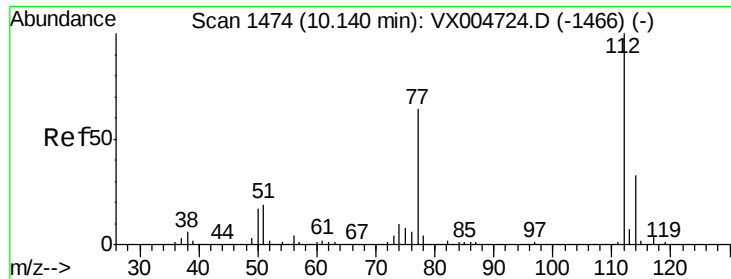
Tot Ion:117 Resp: 348761
Ion Ratio Lower Upper
117 100
82 54.7 42.2 63.4
119 32.0 27.4 41.0



#64
Tetrachloroethene
Concen: 18.623 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion:164 Resp: 63925
Ion Ratio Lower Upper
164 100
166 130.5 98.4 147.6
129 92.5 76.1 114.1
131 88.8 71.0 106.4

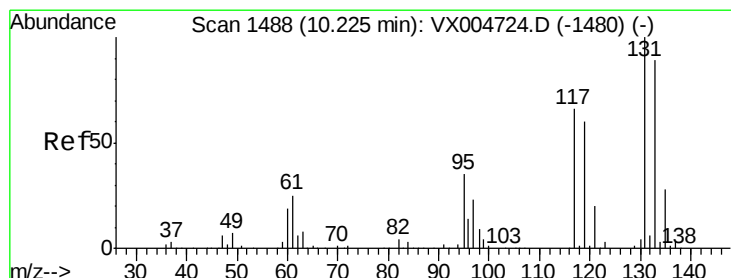
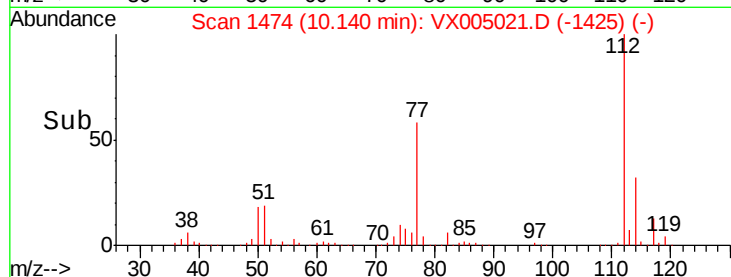
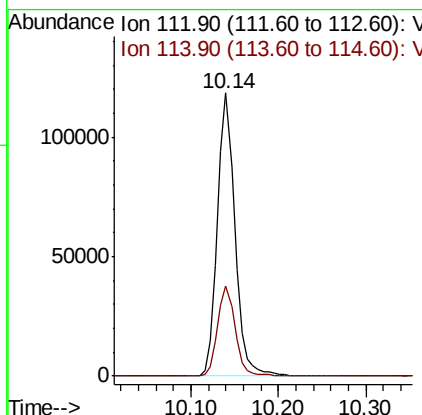
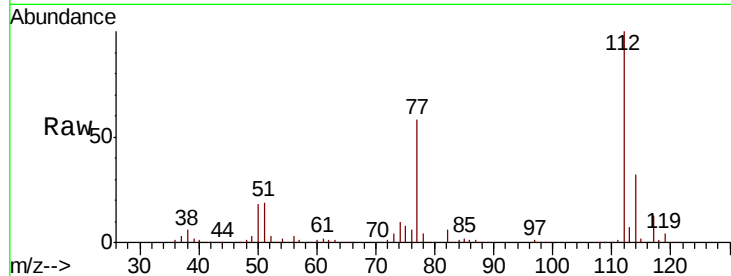




#65
Chlorobenzene
Concen: 18.401 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

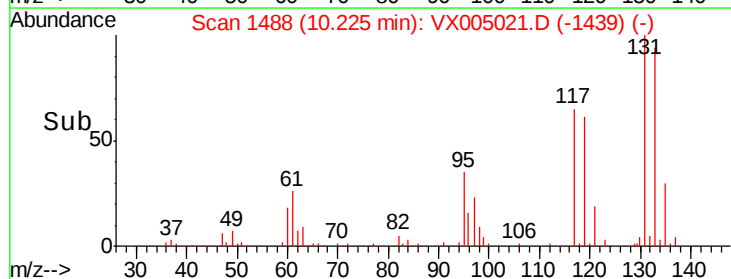
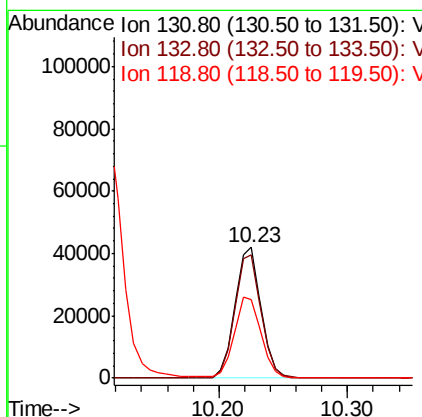
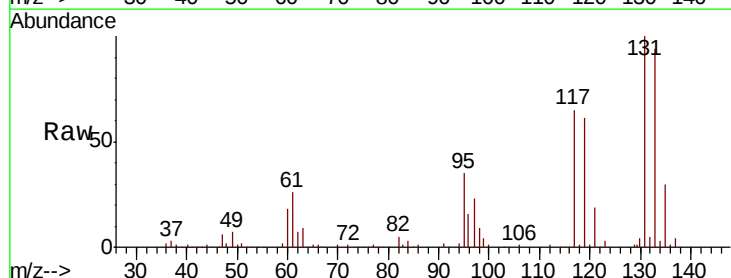
Instrument :
MSVOA_X
ClientSampled :
VX1004WBS03

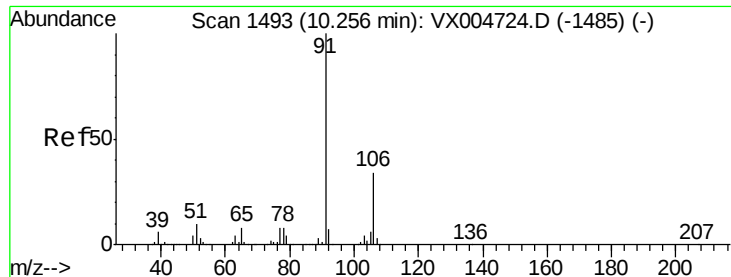
Tot Ion:112 Resp: 164561
Ion Ratio Lower Upper
112 100
114 31.9 26.7 40.1



#66
1,1,1,2-Tetrachloroethane
Concen: 18.685 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion:131 Resp: 58746
Ion Ratio Lower Upper
131 100
133 95.5 48.4 145.0
119 64.8 32.3 96.8

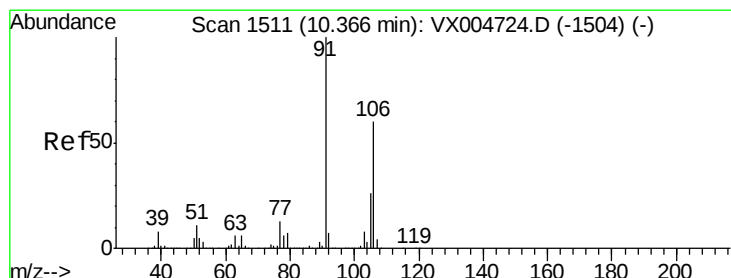
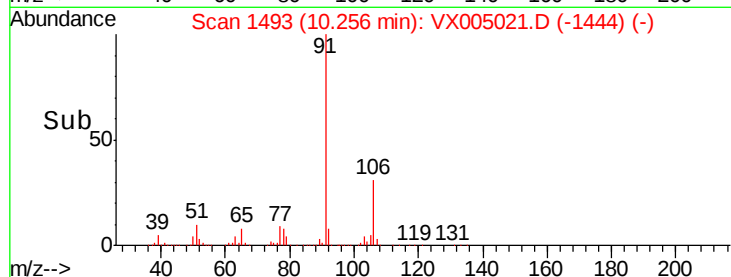
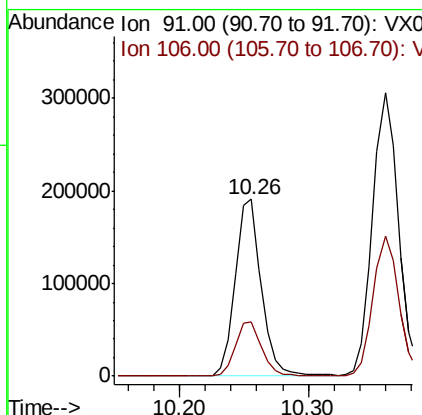
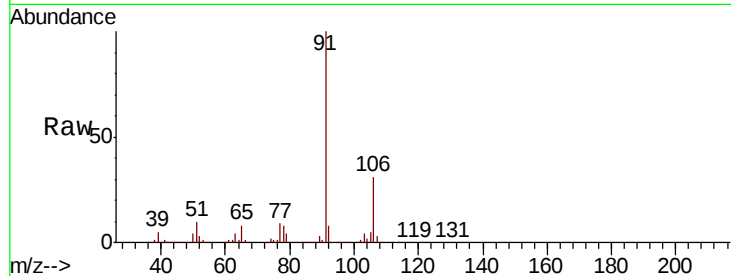




#67
Ethyl Benzene
Concen: 19.041 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

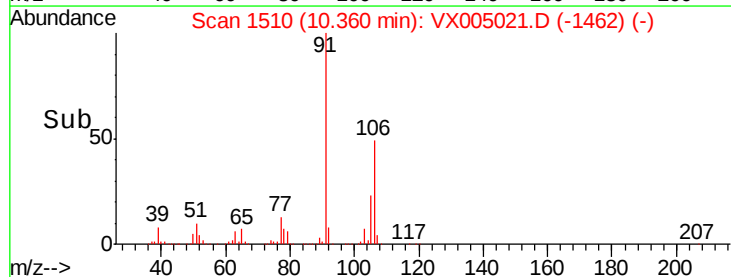
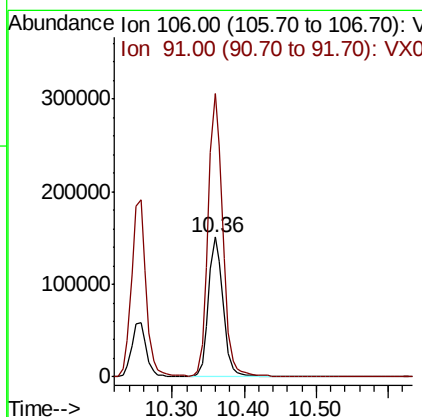
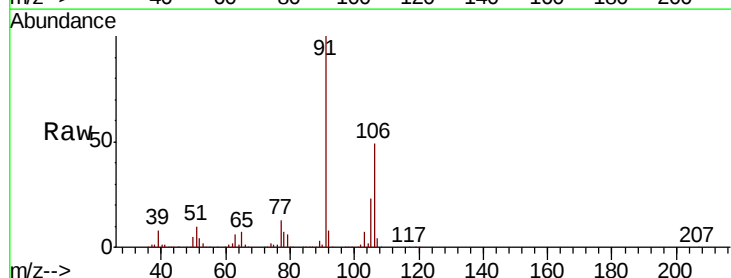
Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

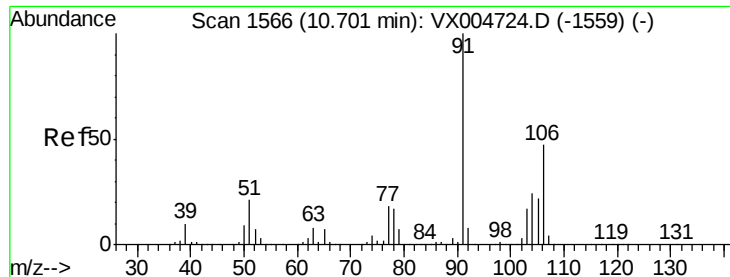
Tot Ion: 91 Resp: 270360
Ion Ratio Lower Upper
91 100
106 31.0 26.9 40.3



#68
m/p-Xylenes
Concen: 38.567 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.01 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion: 106 Resp: 213985
Ion Ratio Lower Upper
106 100
91 202.8 157.5 236.3

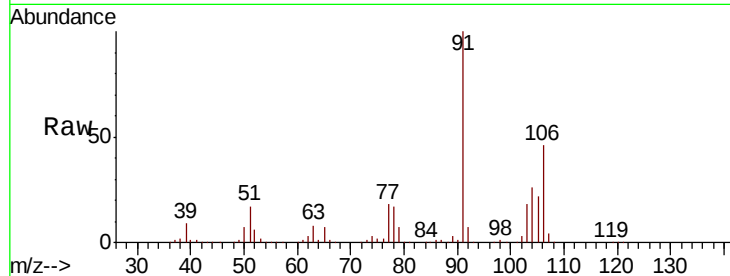




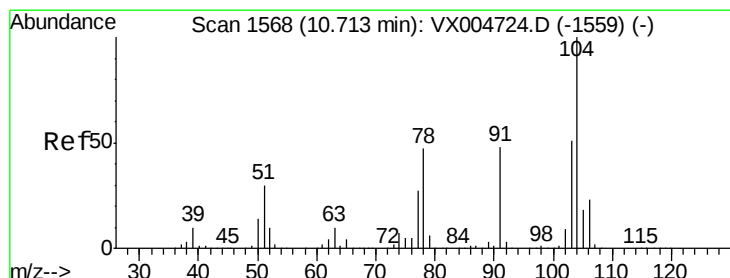
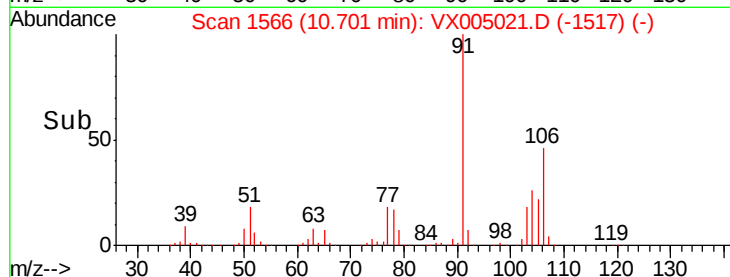
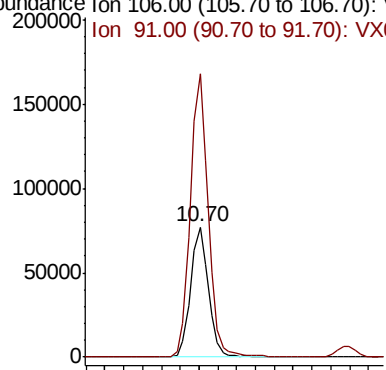
#69
o-Xylene
Concen: 20.021 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

Tot Ion:106 Resp: 102031
Ion Ratio Lower Upper
106 100
91 216.8 108.3 324.8

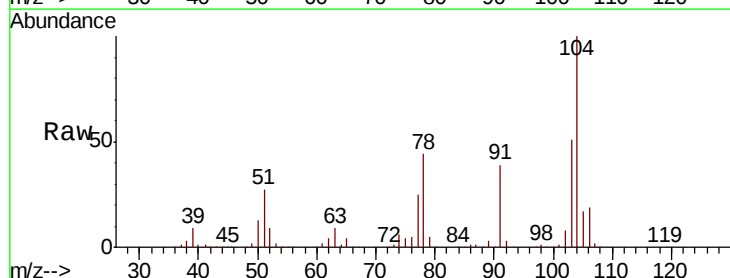


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

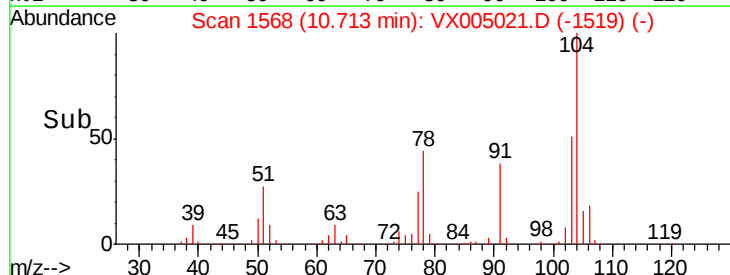
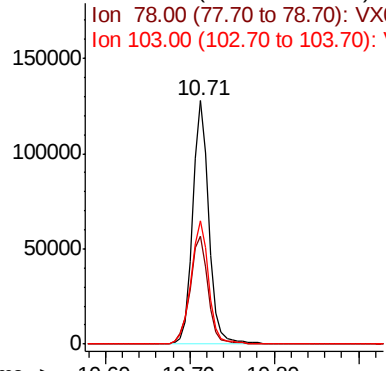


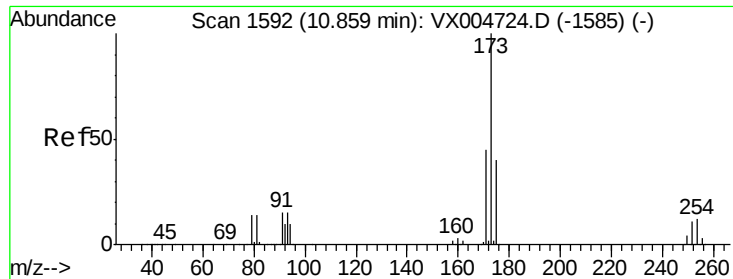
#70
Styrene
Concen: 19.299 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion:104 Resp: 170855
Ion Ratio Lower Upper
104 100
78 49.4 40.0 60.0
103 55.8 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 18.118 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

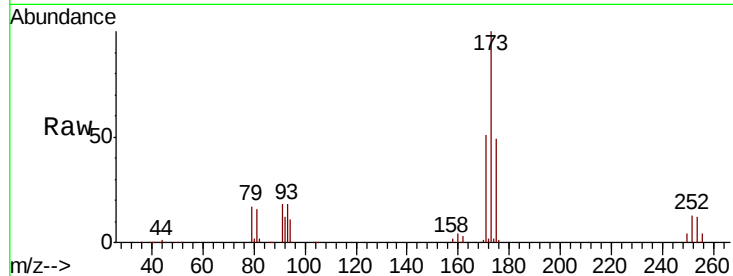
Tot Ion:173 Resp: 48767

Ion Ratio Lower Upper

173 100

175 48.9 23.3 69.8

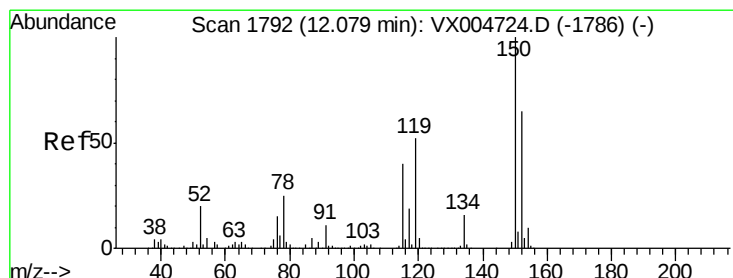
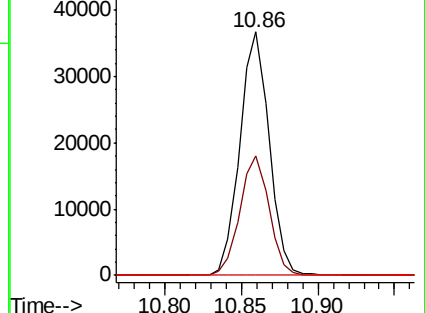
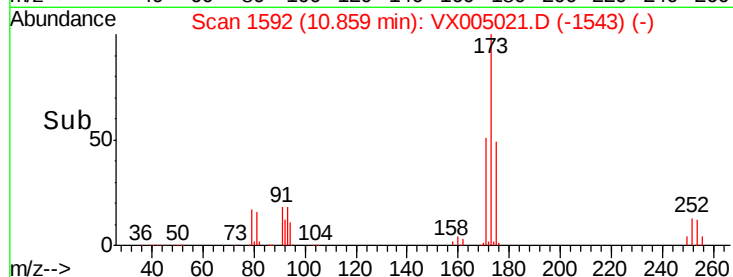
254 0.2 0.2 0.2



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: VX005021.D

Acq: 04 Oct 2018 16:28

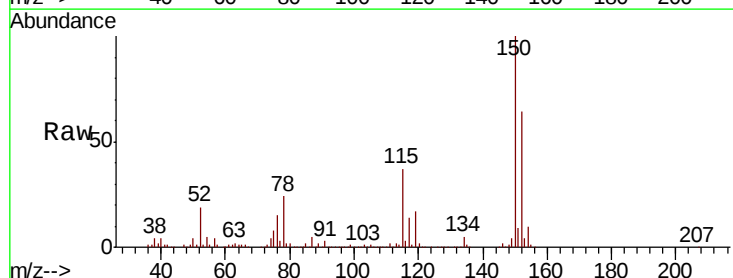
Tgt Ion:152 Resp: 206471

Ion Ratio Lower Upper

152 100

115 64.3 40.2 120.6

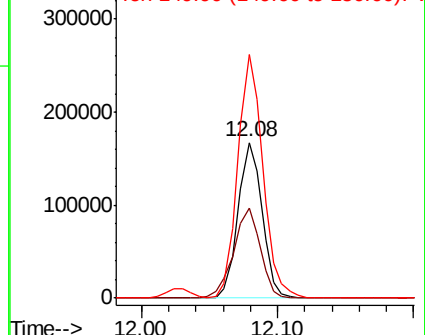
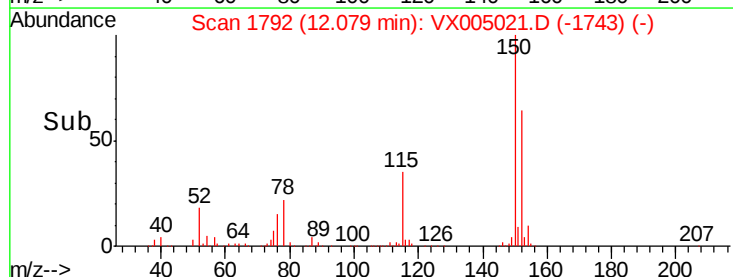
150 163.5 0.0 351.0

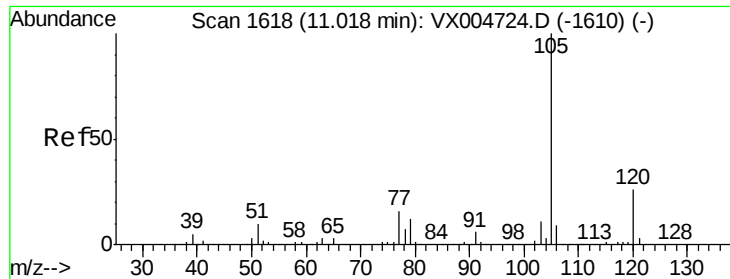


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.090 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

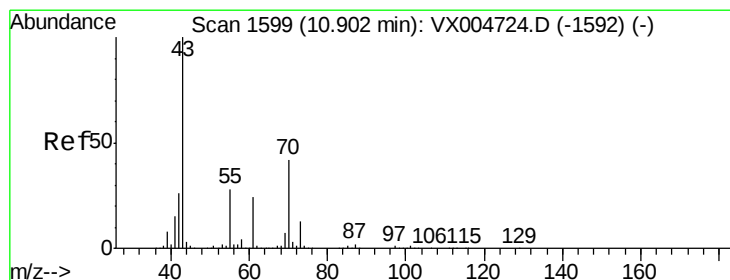
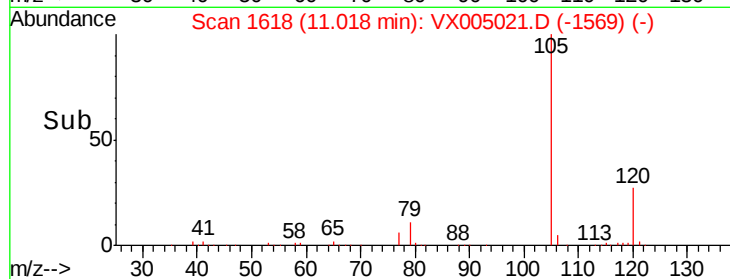
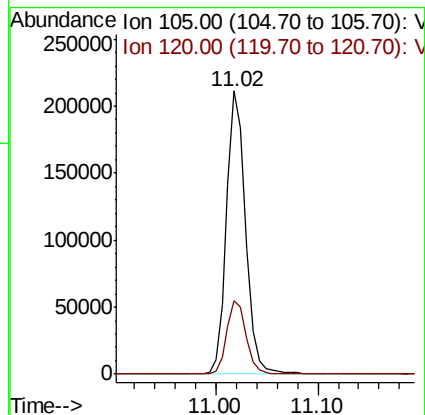
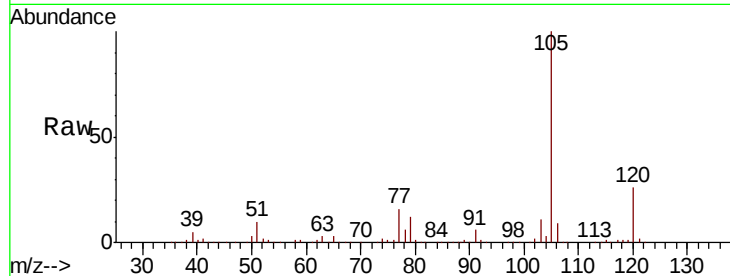
VX1004WBS03

Tot Ion: 105 Resp: 274467

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5



#74

N-ethyl acetate

Concen: 19.334 ug/l

RT: 10.90 min Scan# 1599

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Tgt Ion: 43 Resp: 130353

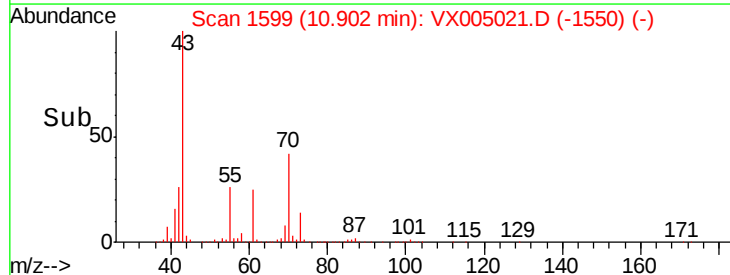
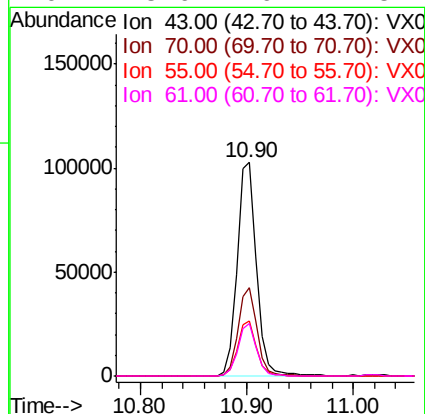
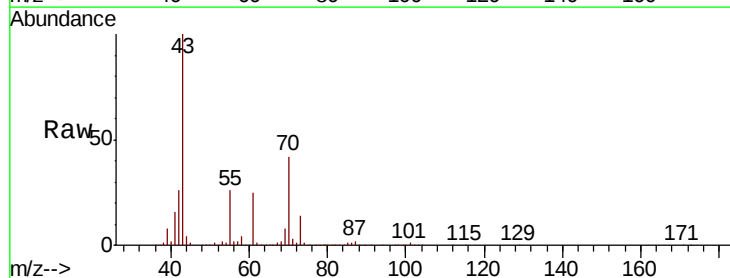
Ion Ratio Lower Upper

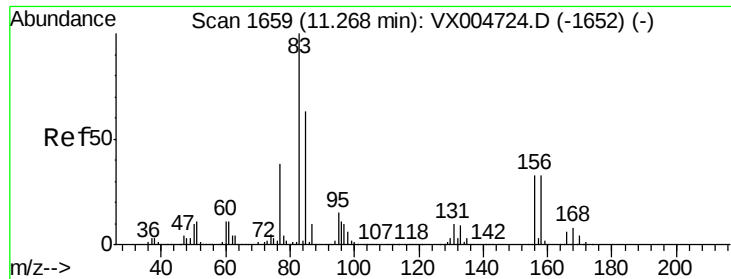
43 100

70 40.9 32.6 48.8

55 25.5 21.6 32.4

61 23.6 19.1 28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 18.815 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

VX1004WBS03

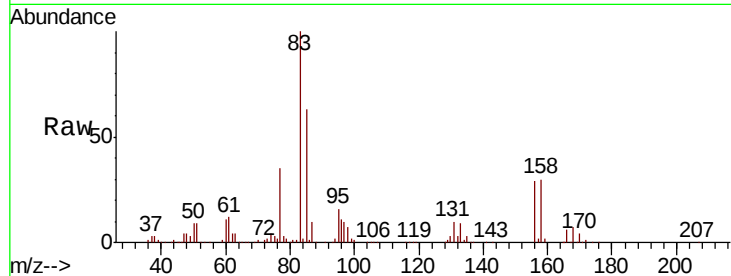
Tot Ion: 83 Resp: 99675

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.3

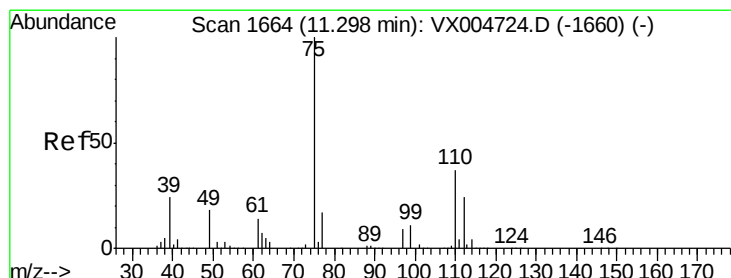
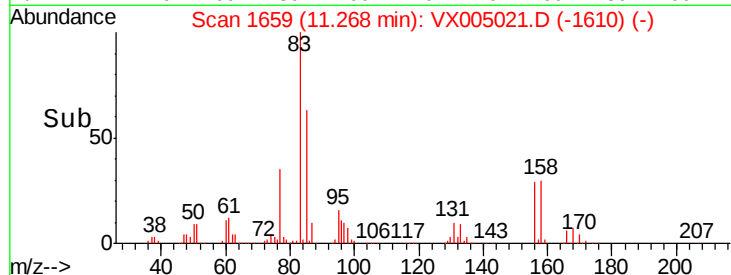
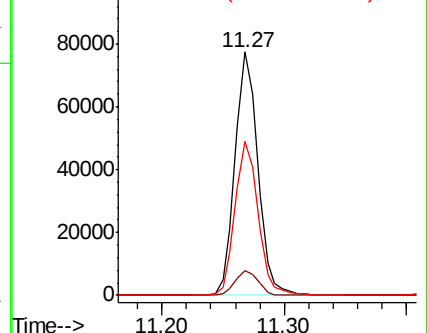
85 64.1 31.9 95.9



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 24.935 ug/l

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005021.D

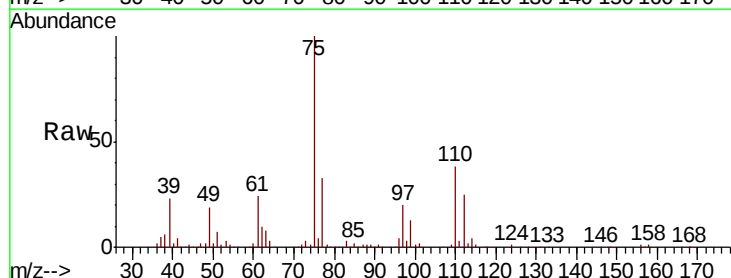
Acq: 04 Oct 2018 16:28

Tgt Ion: 75 Resp: 115392

Ion Ratio Lower Upper

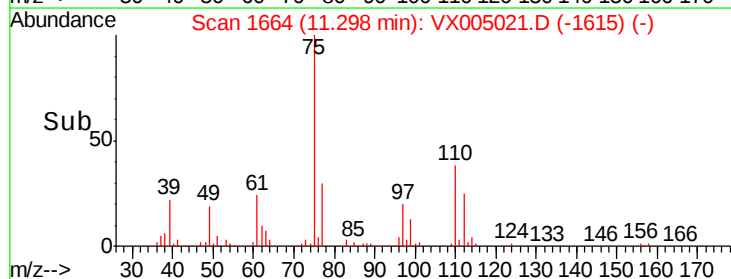
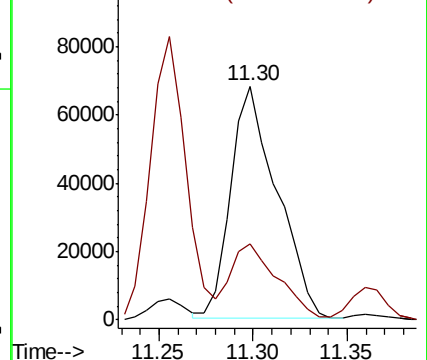
75 100

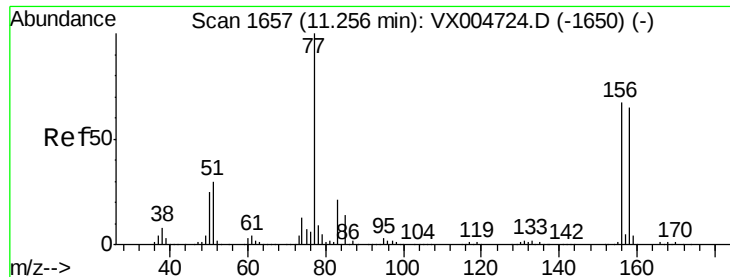
77 33.5 21.4 64.3



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.787 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampled :

VX1004WBS03

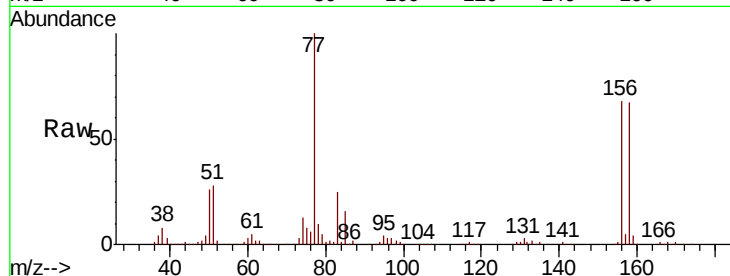
Tot Ion:156 Resp: 74796

Ion Ratio Lower Upper

156 100

77 147.0 73.4 220.2

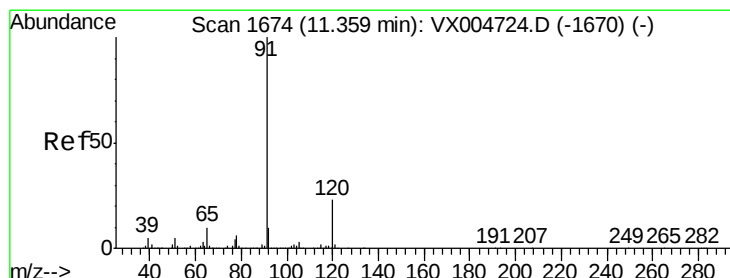
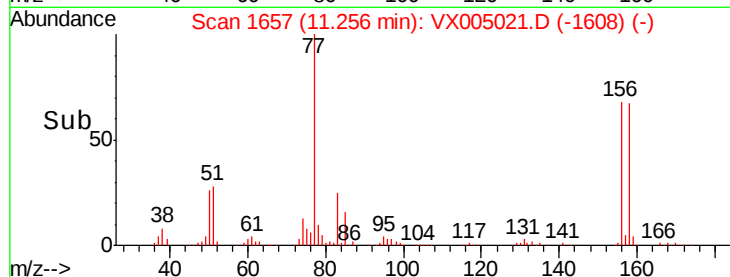
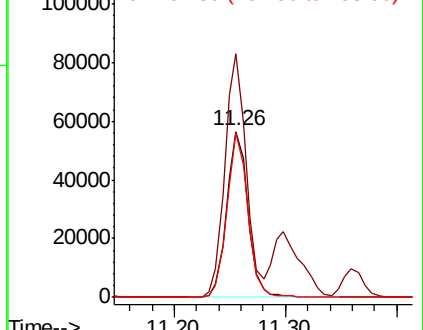
158 97.3 49.1 147.4



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: 20.600 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005021.D

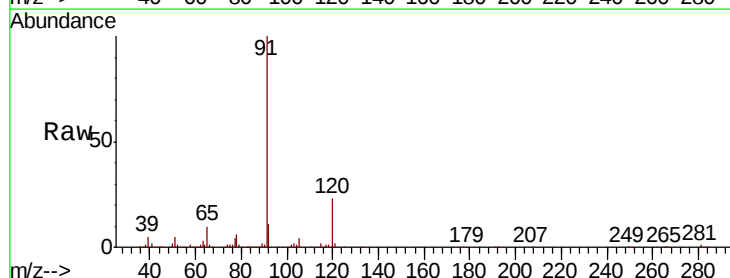
Acq: 04 Oct 2018 16:28

Tgt Ion: 91 Resp: 307596

Ion Ratio Lower Upper

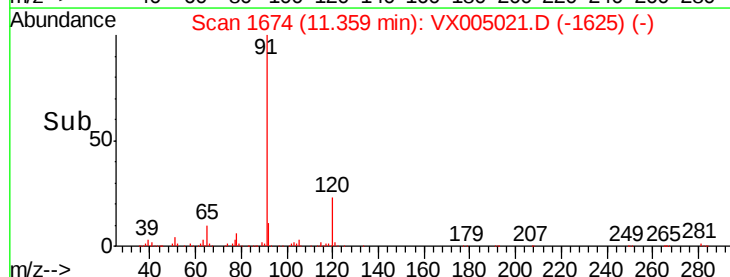
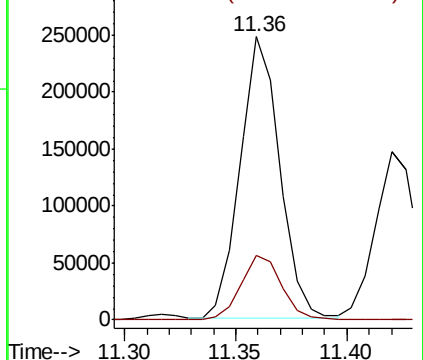
91 100

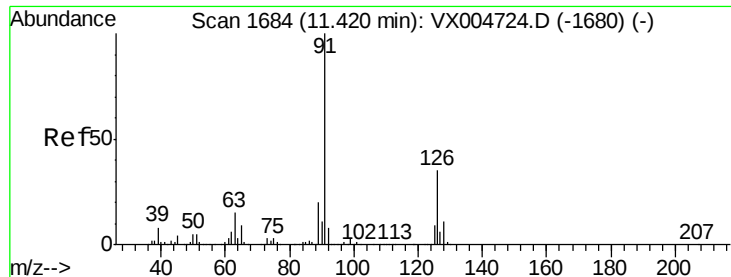
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.452 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

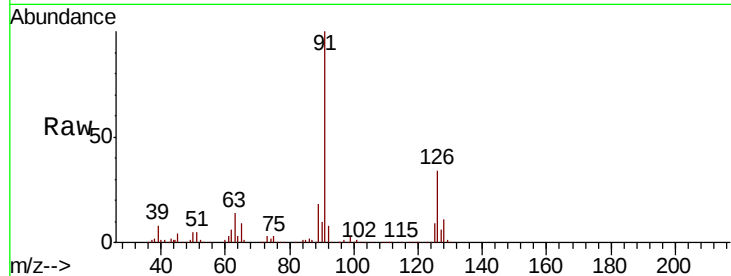
VX1004WBS03

Tot Ion: 91 Resp: 190354

Ion Ratio Lower Upper

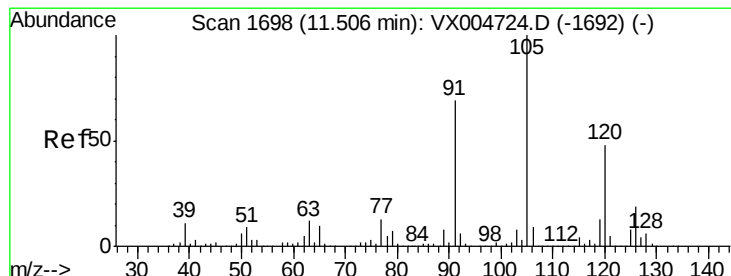
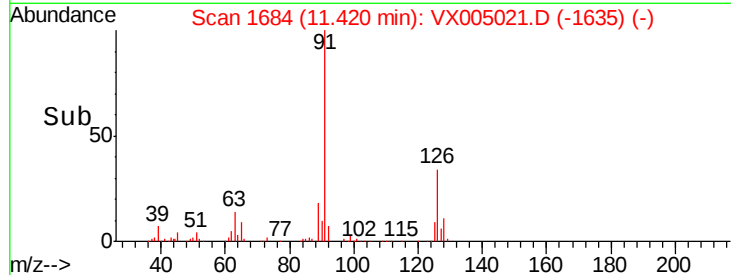
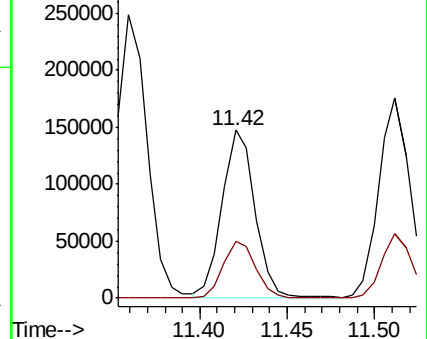
91 100

126 34.4 17.6 52.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.184 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX005021.D

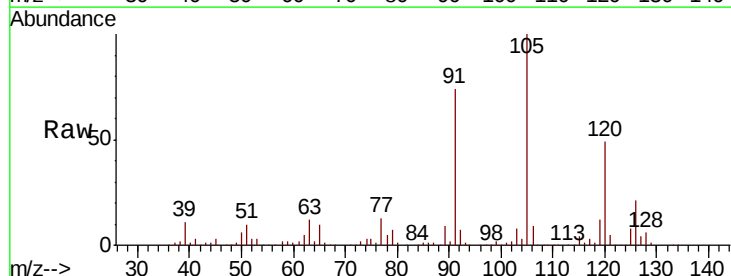
Acq: 04 Oct 2018 16:28

Tgt Ion:105 Resp: 230284

Ion Ratio Lower Upper

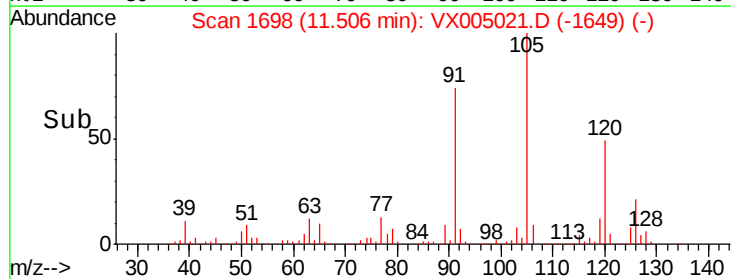
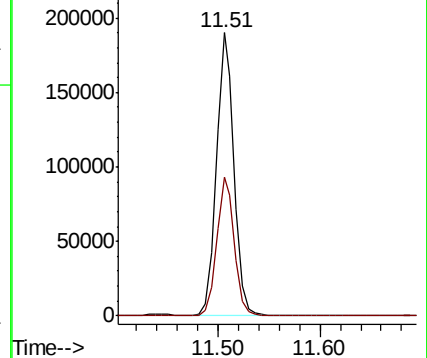
105 100

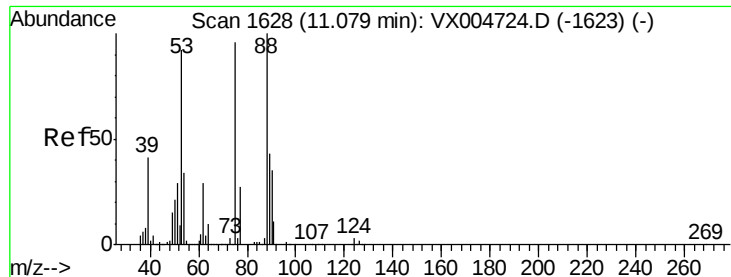
120 49.1 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

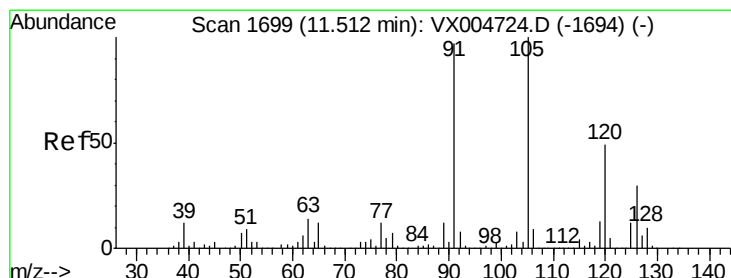
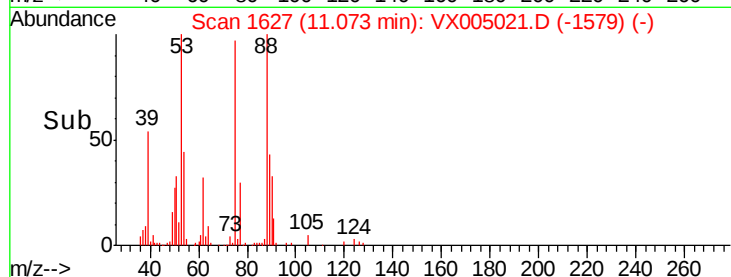
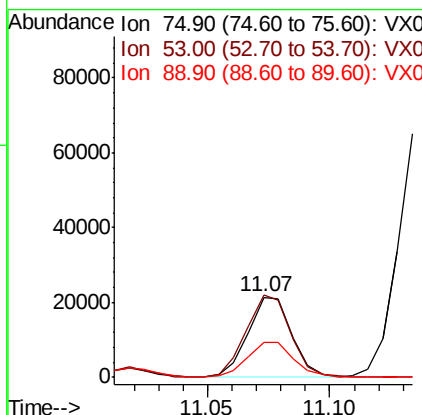
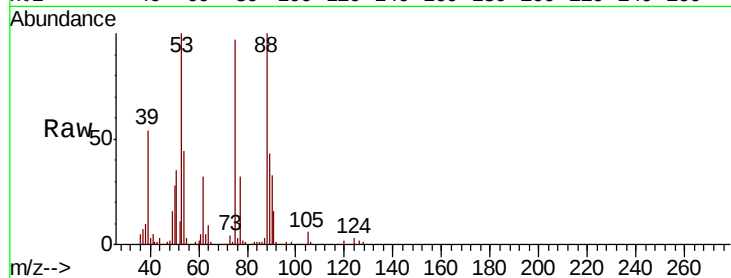




#81
trans-1,4-Dichloro-2-butene
Concen: 17.088 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. -0.01 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

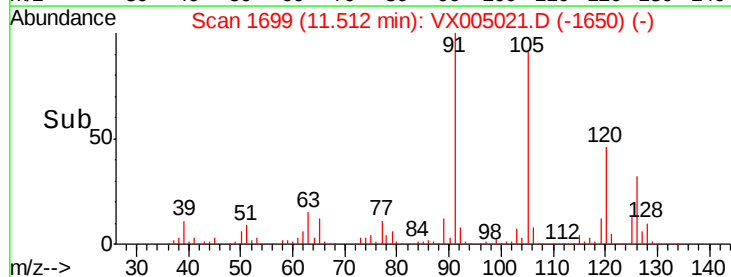
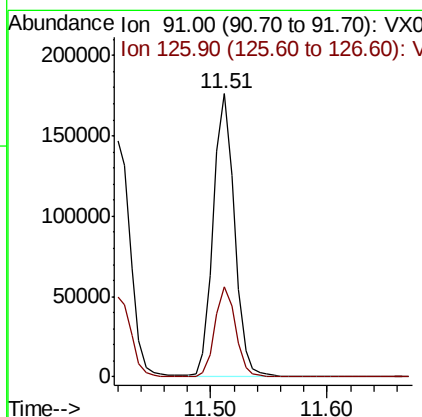
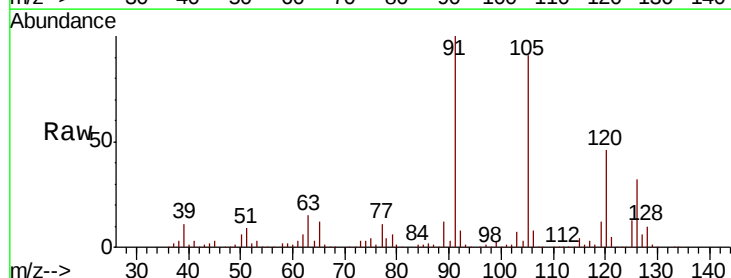
Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

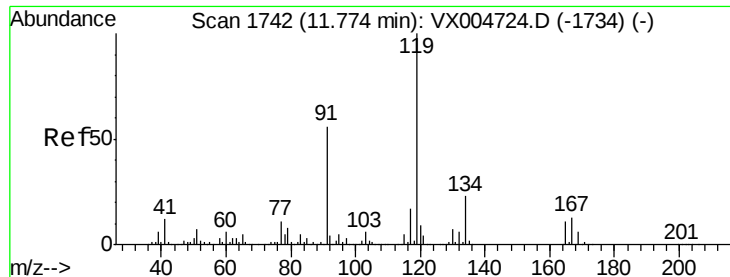
Tot Ion: 75 Resp: 26683
Ion Ratio Lower Upper
75 100
53 106.2 80.2 120.4
89 47.6 37.1 55.7



#82
4-Chlorotoluene
Concen: 20.162 ug/l
RT: 11.51 min Scan# 1699
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion: 91 Resp: 220884
Ion Ratio Lower Upper
91 100
126 31.0 15.5 46.5

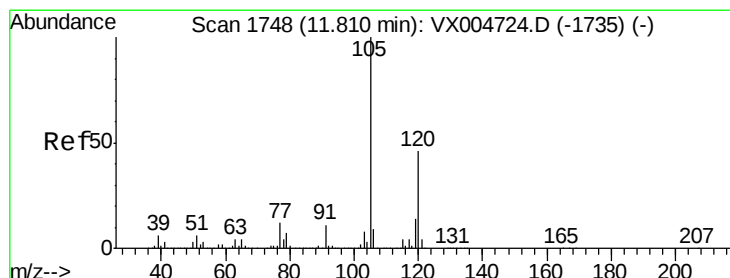
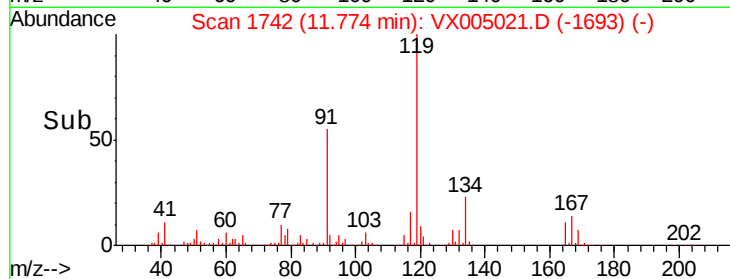
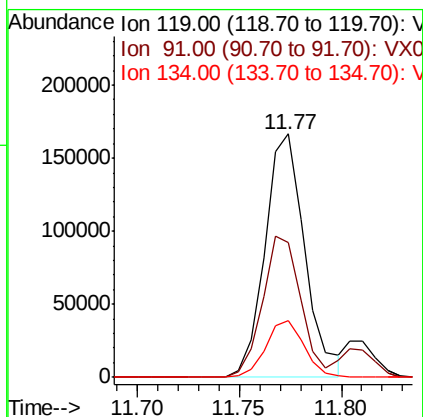
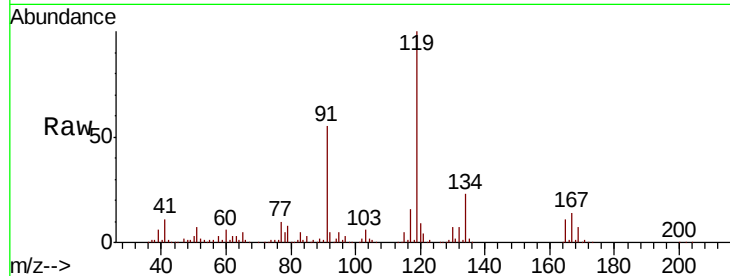




#83
 tert-Butylbenzene
 Concen: 21.168 ug/l
 RT: 11.77 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

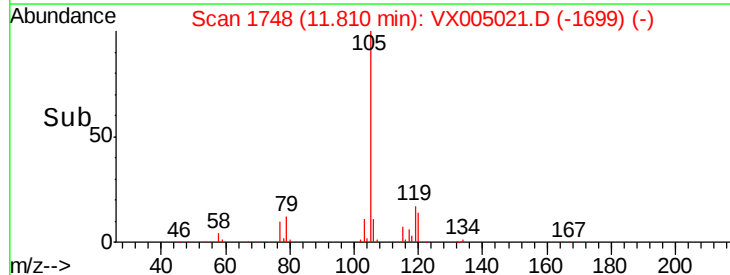
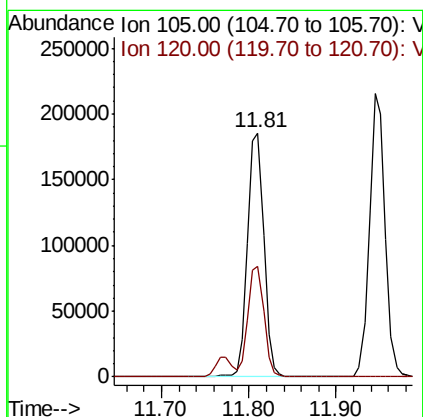
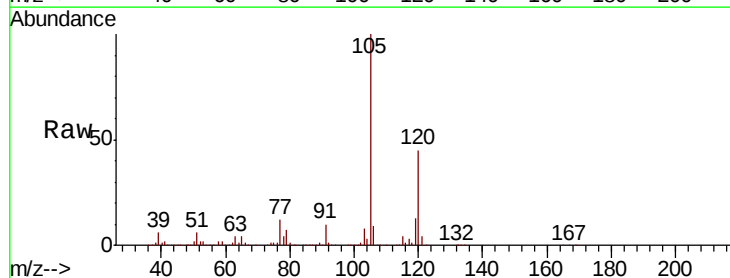
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS03

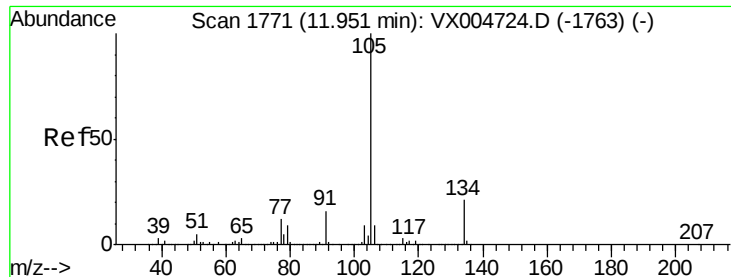
Tot Ion:119 Resp: 226819
 Ion Ratio Lower Upper
 119 100
 91 55.5 27.5 82.5
 134 22.7 11.5 34.4



#84
 1,2,4-Trimethylbenzene
 Concen: 19.398 ug/l
 RT: 11.81 min Scan# 1748
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Tgt Ion:105 Resp: 240102
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.8 68.3





#85

sec-Butylbenzene

Concen: 20.731 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.01 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

Instrument :

MSVOA_X

ClientSampleId :

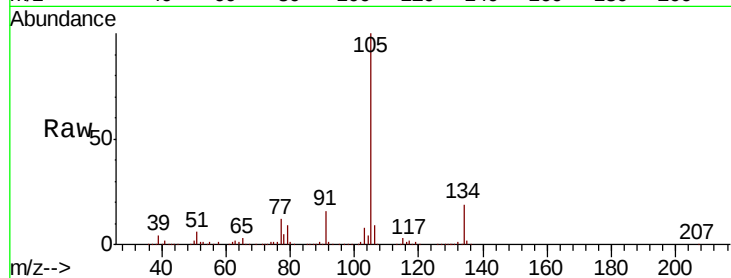
VX1004WBS03

Tot Ion:105 Resp: 270562

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

200000

150000

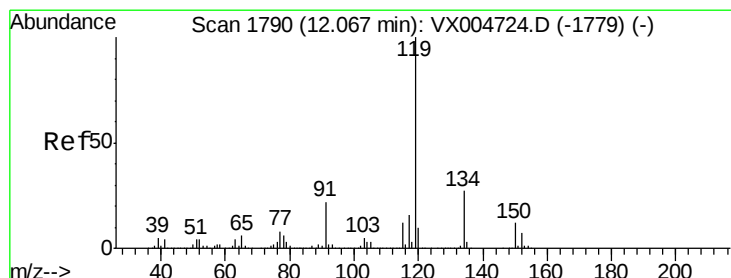
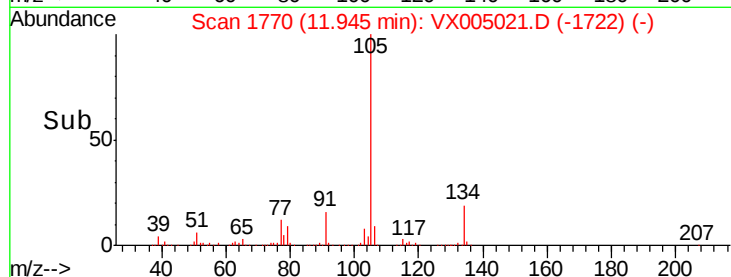
100000

50000

0

Time-->

11.90 12.00



#86

p-Isopropyltoluene

Concen: 20.301 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005021.D

Acq: 04 Oct 2018 16:28

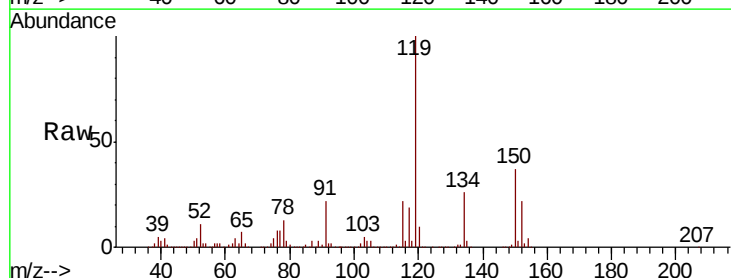
Tgt Ion:119 Resp: 240043

Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.1

91 22.8 11.5 34.4



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

12.07

250000

200000

150000

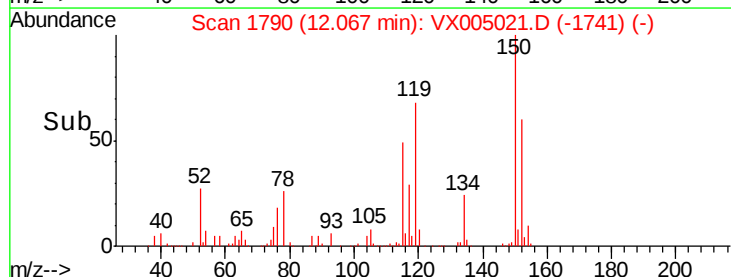
100000

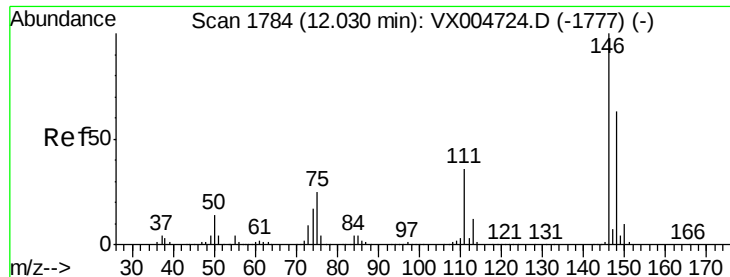
50000

0

Time-->

12.00 12.10

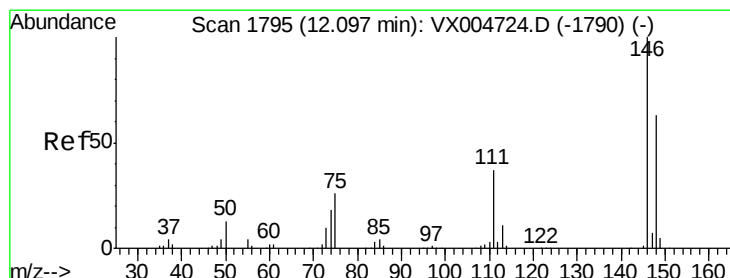
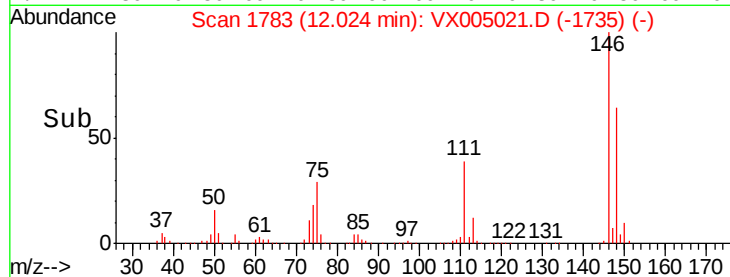
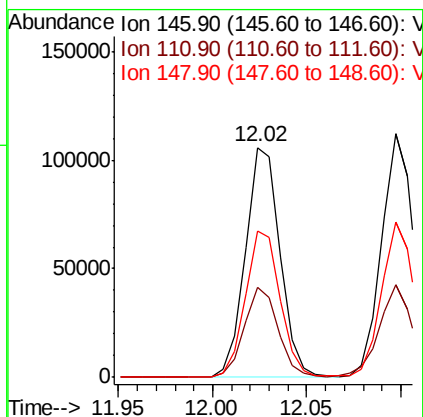
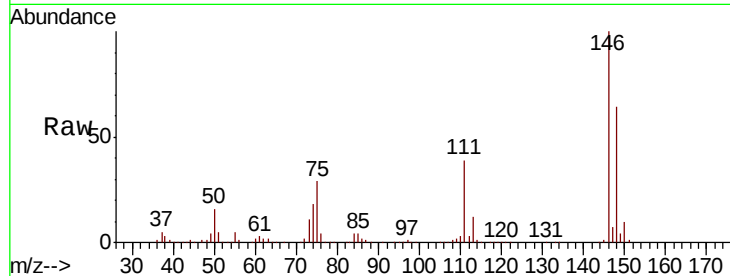




#87
 1,3-Dichlorobenzene
 Concen: 19.178 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.01 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

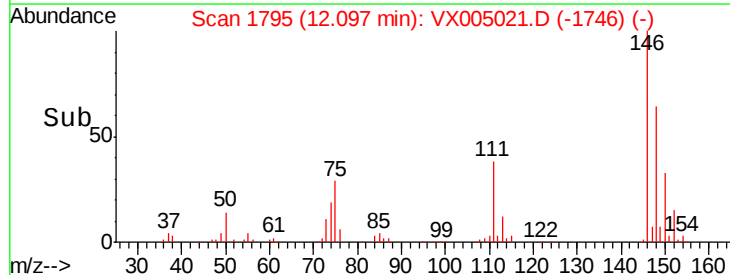
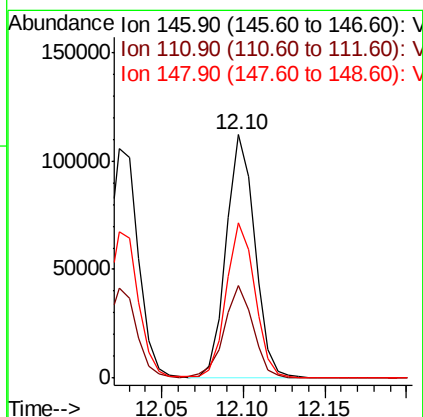
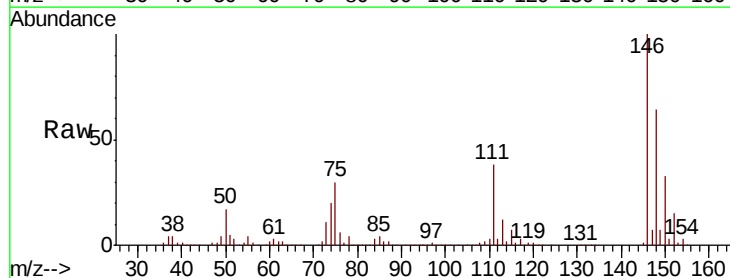
Instrument :
 MSVOA_X
 ClientSampled :
 VX1004WBS03

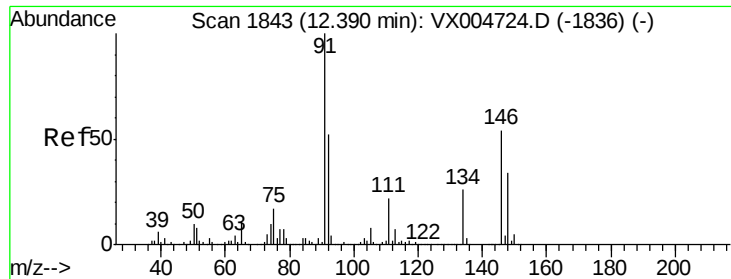
Tot Ion:146 Resp: 135370
 Ion Ratio Lower Upper
 146 100
 111 38.4 18.9 56.9
 148 64.0 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 18.822 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Tgt Ion:146 Resp: 137145
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.4 55.2
 148 64.4 32.0 96.0

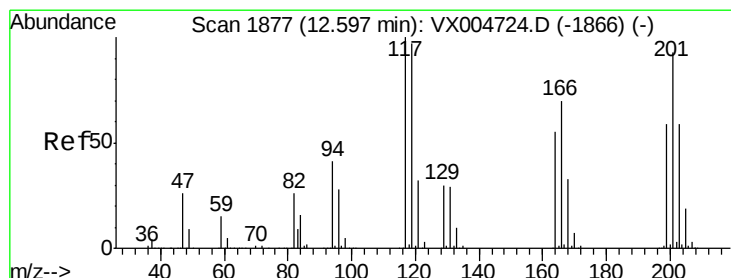
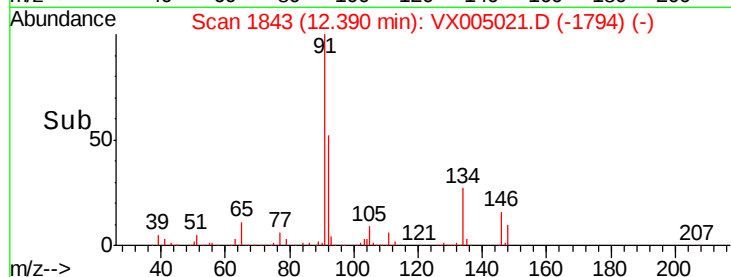
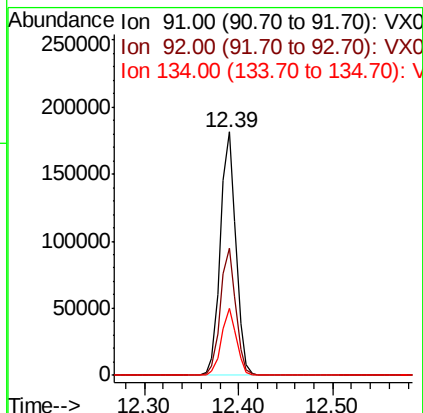
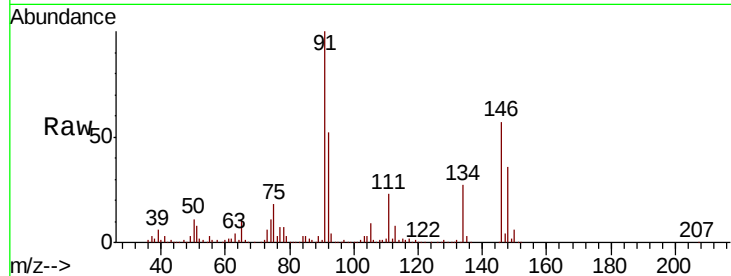




#89
n-Butylbenzene
Concen: 19.337 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

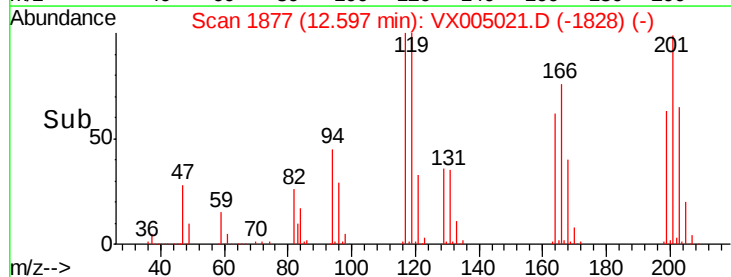
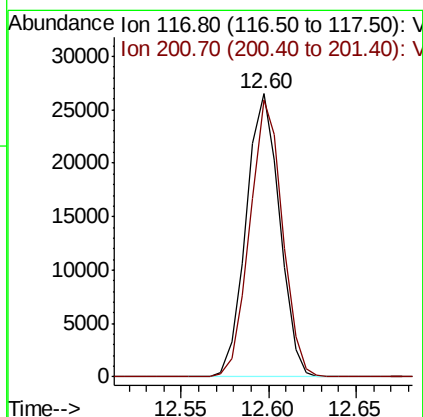
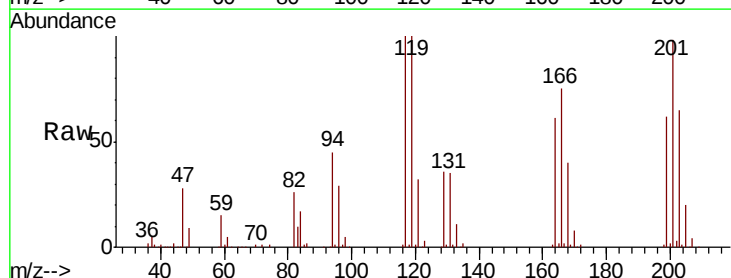
Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

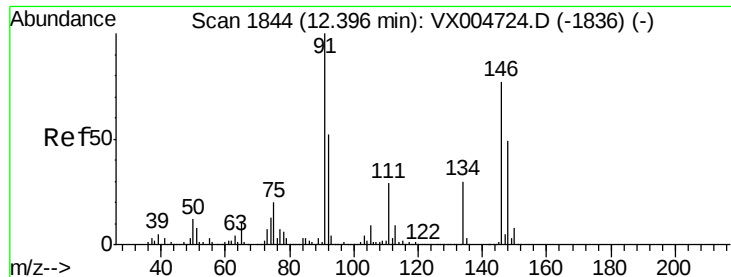
Tot Ion: 91 Resp: 207654
Ion Ratio Lower Upper
91 100
92 51.7 26.0 78.0
134 26.4 13.2 39.6



#90
Hexachloroethane
Concen: 17.900 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion: 117 Resp: 35241
Ion Ratio Lower Upper
117 100
201 95.0 48.4 145.0

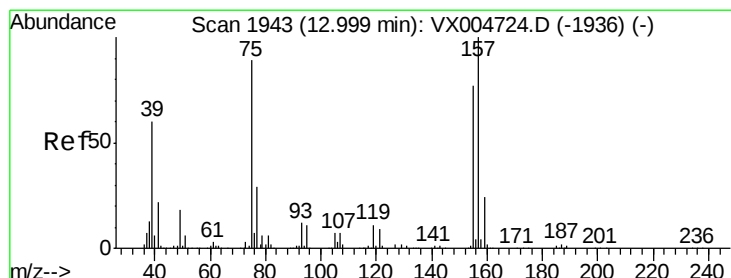
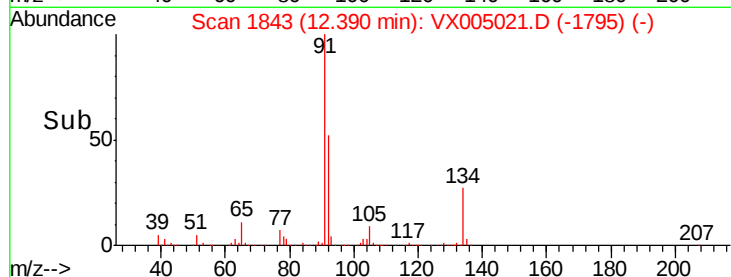
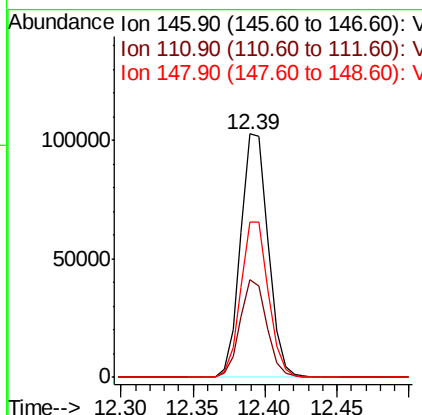
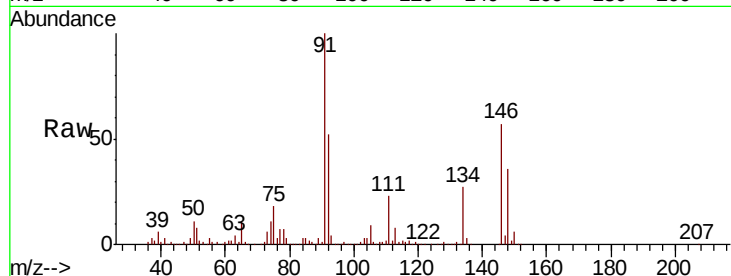




#91
 1,2-Dichlorobenzene
 Concen: 18.542 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

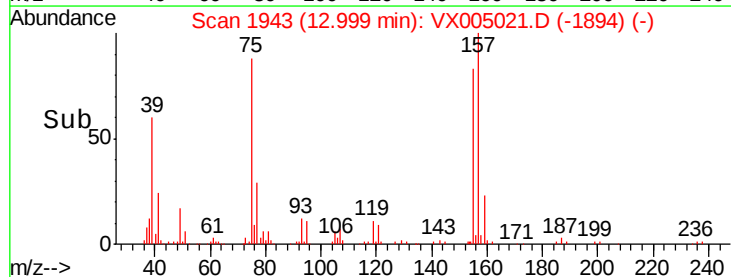
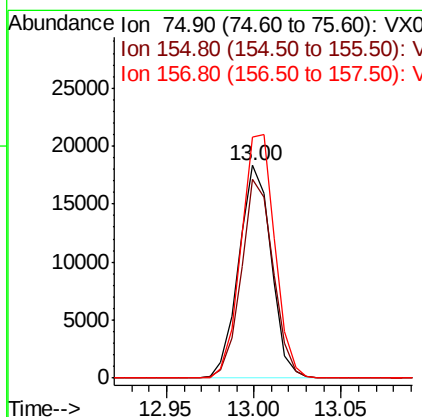
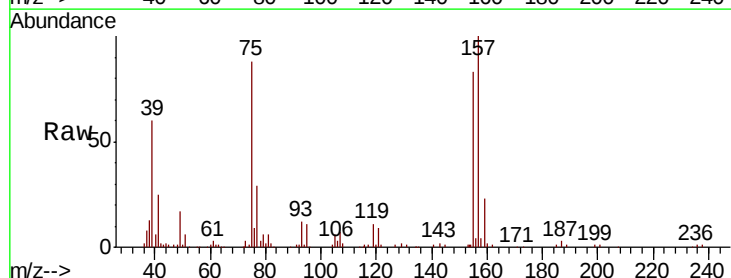
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS03

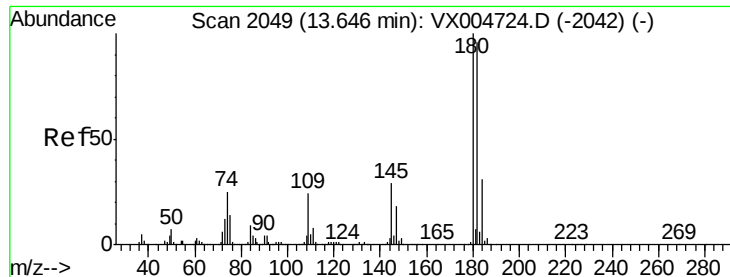
Tot Ion:146 Resp: 136770
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.6 58.7
 148 63.9 31.8 95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.289 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Tgt Ion: 75 Resp: 23600
 Ion Ratio Lower Upper
 75 100
 155 92.0 46.1 138.3
 157 118.3 60.2 180.6

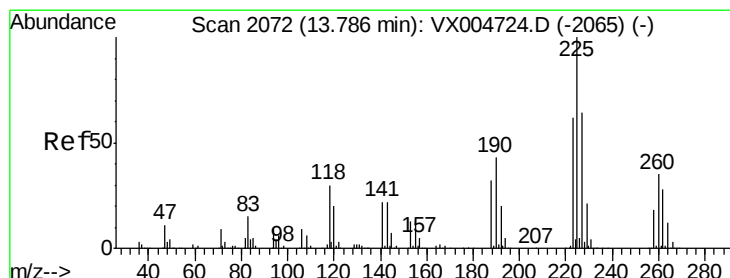
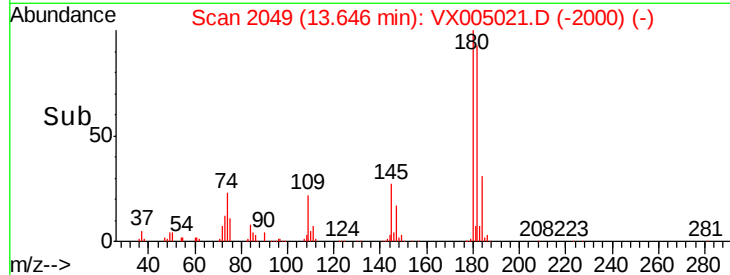
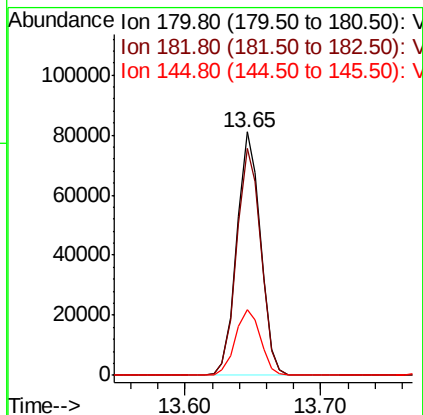
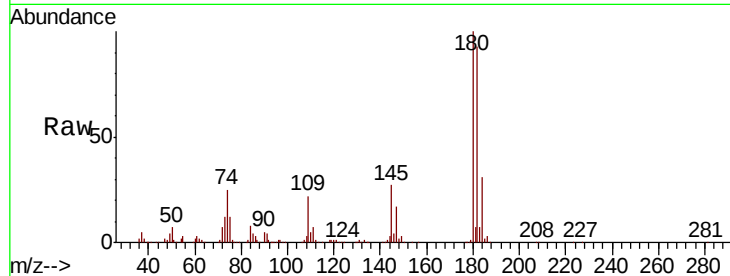




#93
 1,2,4-Trichlorobenzene
 Concen: 18.996 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

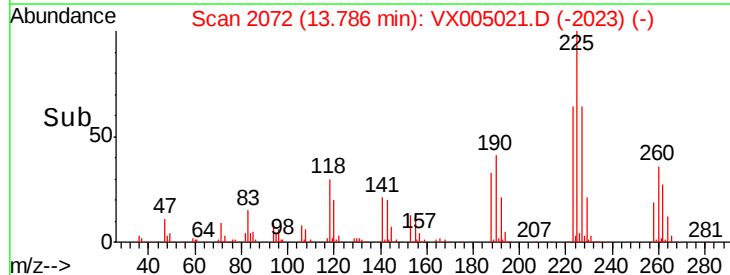
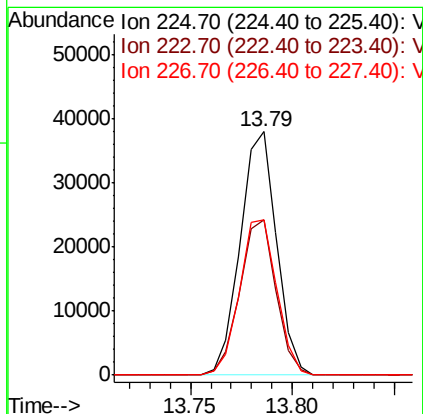
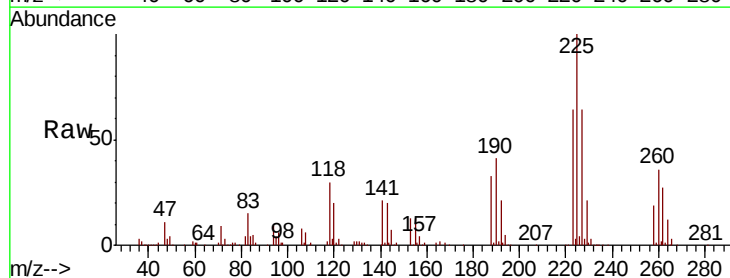
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1004WBS03

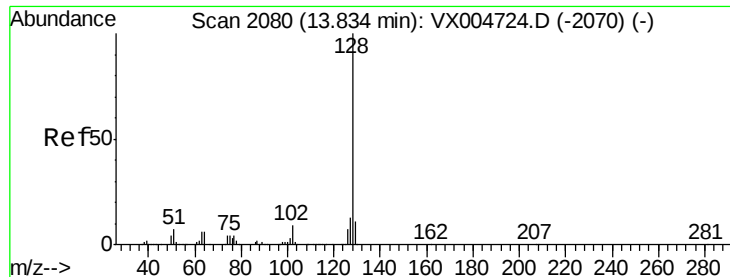
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.8	143.4
145	28.4	14.1	42.4



#94
 Hexachlorobutadiene
 Concen: 17.545 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005021.D
 Acq: 04 Oct 2018 16:28

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.3	93.8
227	65.4	31.9	95.5

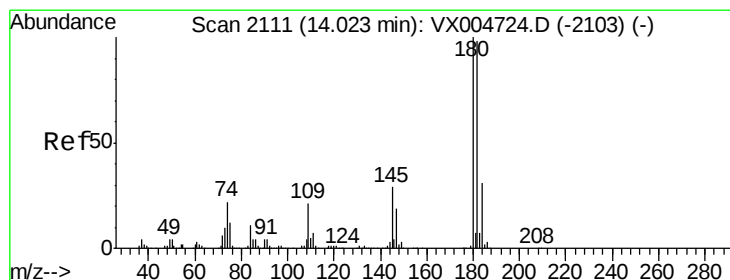
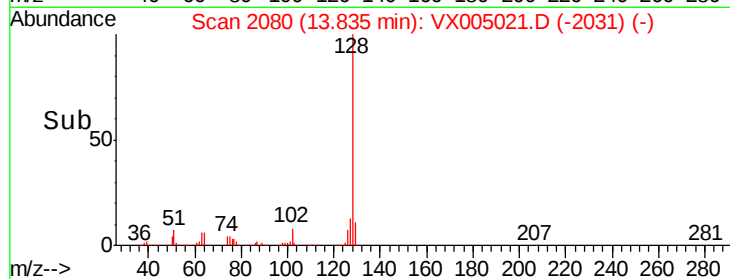
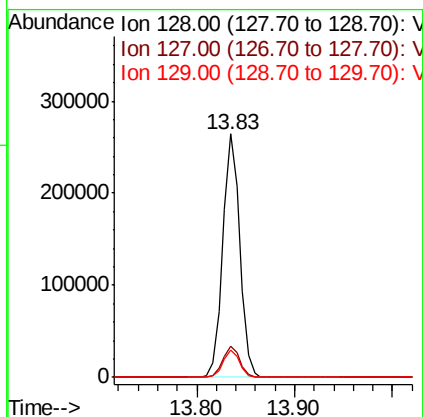
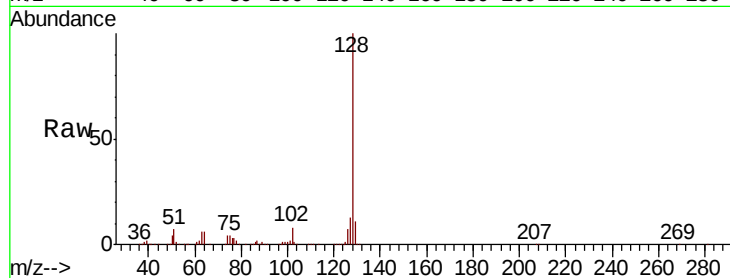




#95
Naphthalene
Concen: 18.936 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Instrument :
MSVOA_X
ClientSampleId :
VX1004WBS03

Tot Ion:128 Resp: 317420
Ion Ratio Lower Upper
128 100
127 12.8 10.4 15.6
129 10.9 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 19.221 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX005021.D
Acq: 04 Oct 2018 16:28

Tgt Ion:180 Resp: 102739
Ion Ratio Lower Upper
180 100
182 94.6 47.9 143.8
145 29.1 15.0 45.0

