

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005486.D
 Acq On : 22 Oct 2018 22:20
 Operator : JC/MD
 Sample : J5538-16 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 NL 7

Quant Time: Oct 23 01:30:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	230656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	335864	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	301785	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	146719	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	144149	56.31	ug/l	0.00
Spiked Amount			Recovery	=	112.62%	
35) Dibromofluoromethane	5.50	113	115265	51.82	ug/l	0.00
Spiked Amount			Recovery	=	103.64%	
50) Toluene-d8	8.72	98	396742	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
62) 4-Bromofluorobenzene	11.14	95	135571	47.26	ug/l	0.00
Spiked Amount			Recovery	=	94.52%	

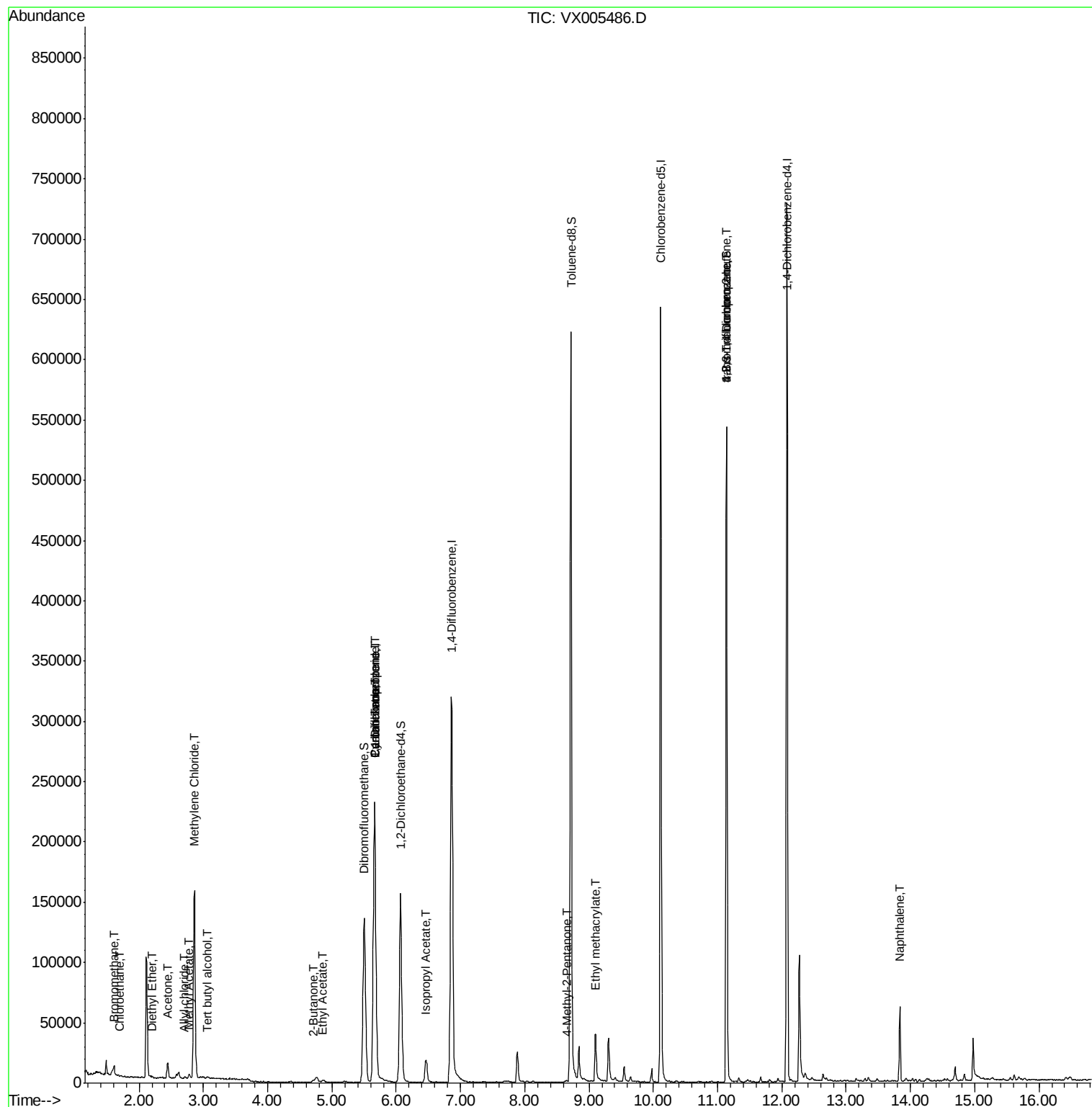
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.60	94	349	0.815	ug/l #	3
6) Chloroethane	1.70	64	19	0.346	ug/l #	44
8) Diethyl Ether	2.19	74	308	0.204	ug/l #	2
11) Tert butyl alcohol	3.07	59	1282	1.775	ug/l #	53
13) Acrolein	2.28	56	229	Below Cal	#	48
14) Allyl chloride	2.70	41	1273	0.287	ug/l #	41
16) Acetone	2.45	43	13787	9.315	ug/l	98
18) Methyl Acetate	2.78	43	4177	0.992	ug/l	100
20) Methylene Chloride	2.86	84	67949	31.010	ug/l	87
25) 2-Butanone	4.71	43	2526	1.166	ug/l	95
31) Cyclohexane	5.67	56	4438	1.261	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	15672	4.818	ug/l #	50
37) Ethyl Acetate	4.86	43	3311	0.791	ug/l #	91
38) Carbon Tetrachloride	5.67	117	22274	6.815	ug/l #	16
43) Isopropyl Acetate	6.46	43	24791	4.449	ug/l	97
44) Trichloroethene	7.21	130	41	Below Cal		4
51) 4-Methyl-2-Pentanone	8.65	43	1510	0.391	ug/l #	76
56) Ethyl methacrylate	9.10	69	5947	1.804	ug/l #	46
76) 1,2,3-Trichloropropane	11.14	75	67674	23.779	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	67674	72.253	ug/l #	10
95) Naphthalene	13.83	128	37090	3.666	ug/l	99

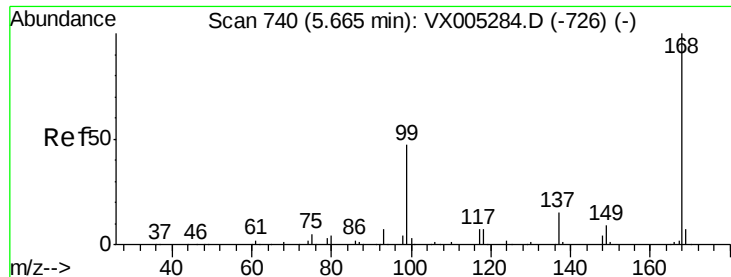
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 23 01:30:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX005486.D

Acq: 22 Oct 2018 22:20

Instrument :

MSVOA_X

ClientSampled :

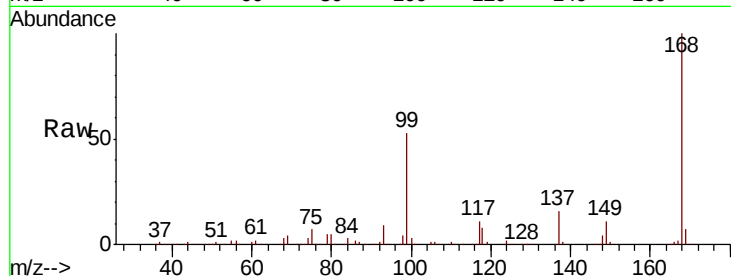
NL 7

Tot Ion:168 Resp: 230656

Ion Ratio Lower Upper

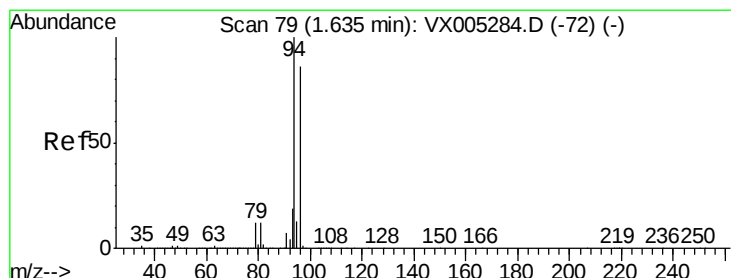
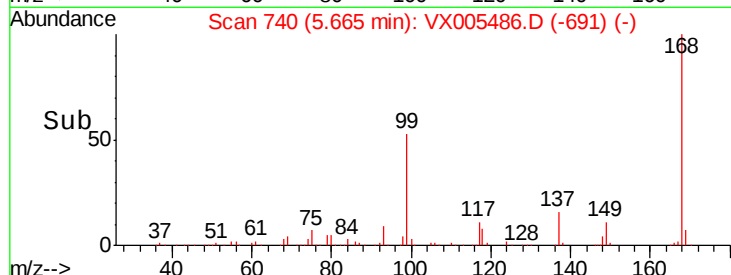
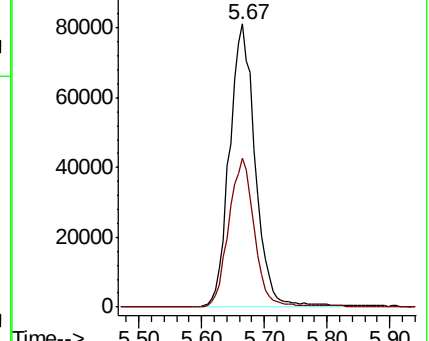
168 100

99 52.6 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.815 ug/l

RT: 1.60 min Scan# 74

Delta R.T. -0.03 min

Lab File: VX005486.D

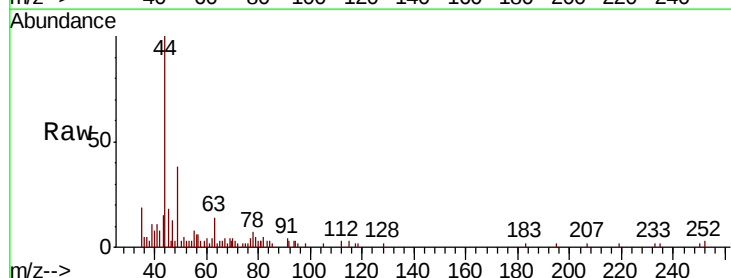
Acq: 22 Oct 2018 22:20

Tgt Ion: 94 Resp: 349

Ion Ratio Lower Upper

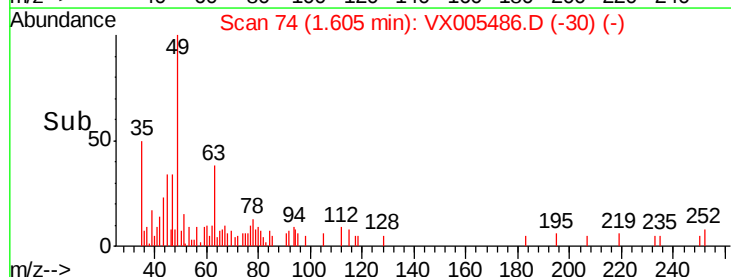
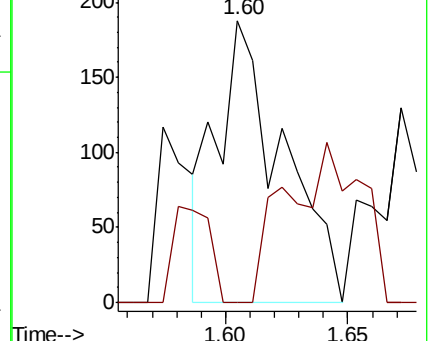
94 100

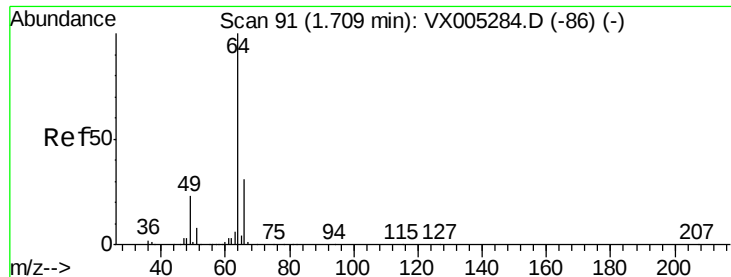
96 0.0 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.346 ug/l

RT: 1.70 min Scan# 89

Delta R.T. -0.01 min

Lab File: VX005486.D

Acq: 22 Oct 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

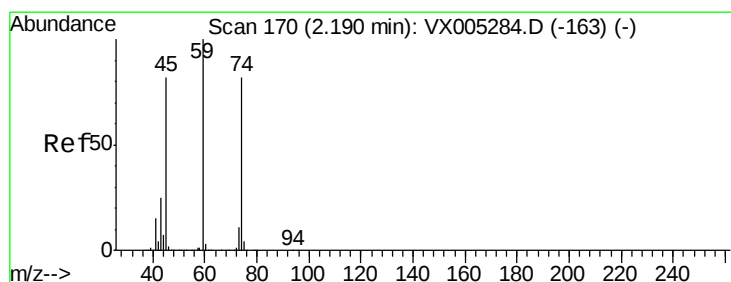
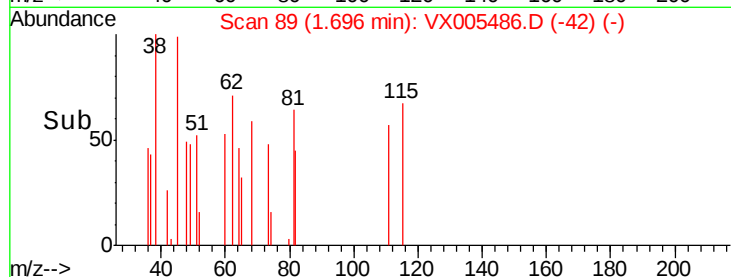
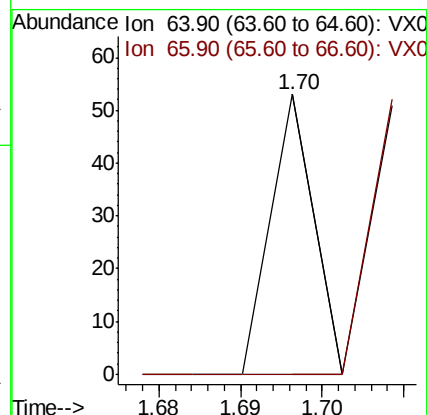
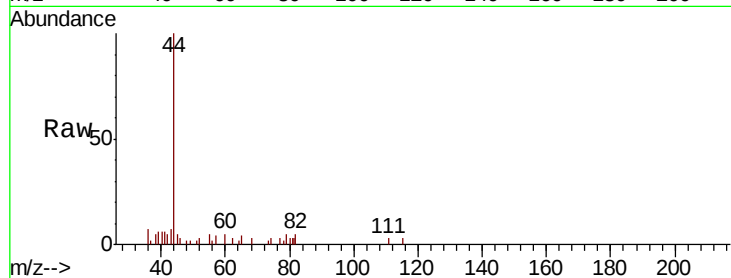
NL 7

Tot Ion: 64 Resp: 19

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



#8

Diethyl Ether

Concen: 0.204 ug/l

RT: 2.19 min Scan# 170

Delta R.T. -0.00 min

Lab File: VX005486.D

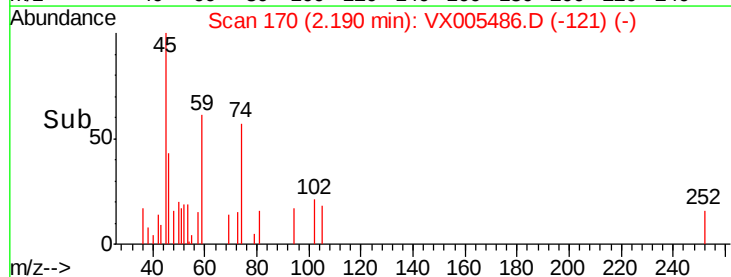
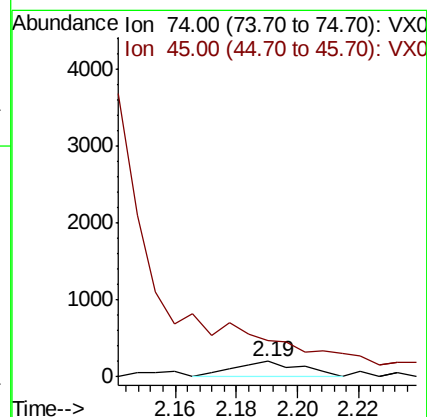
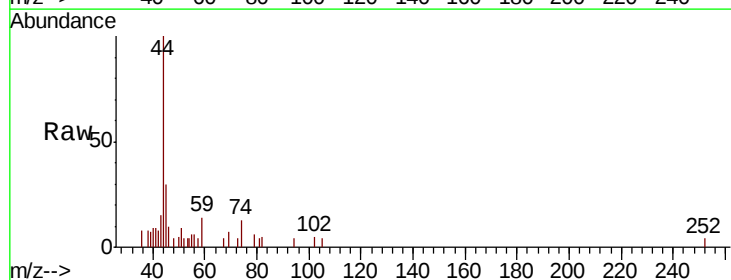
Acq: 22 Oct 2018 22:20

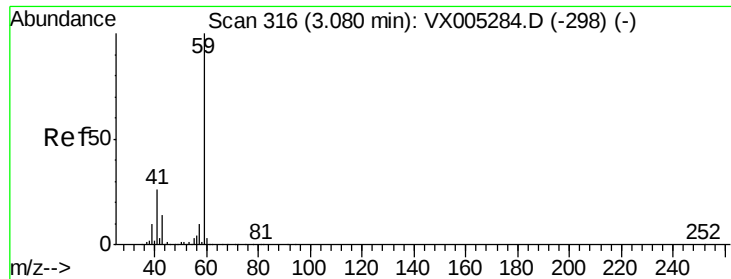
Tgt Ion: 74 Resp: 308

Ion Ratio Lower Upper

74 100

45 0.0 48.3 144.8#

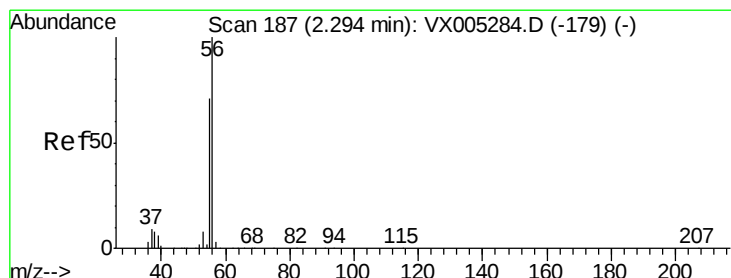
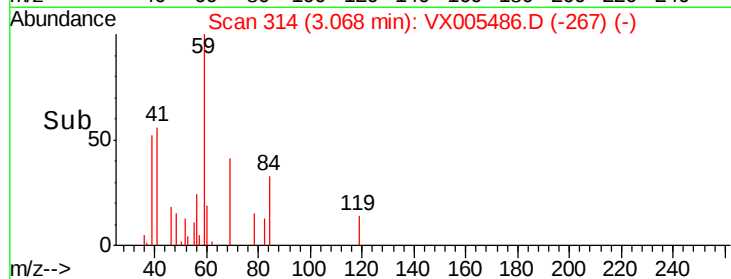
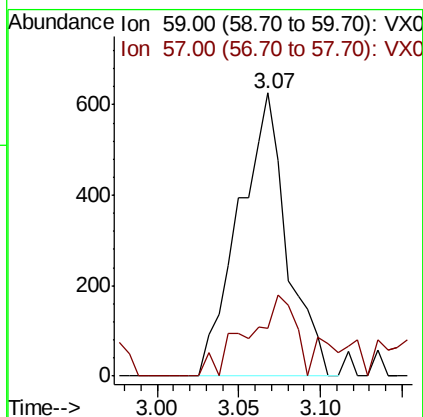
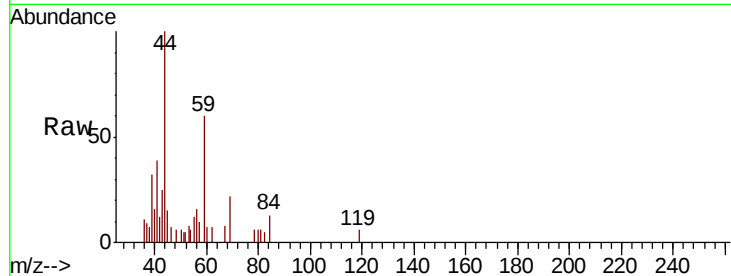




#11
Tert butyl alcohol
Concen: 1.775 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005486.D
Acq: 22 Oct 2018 22:20

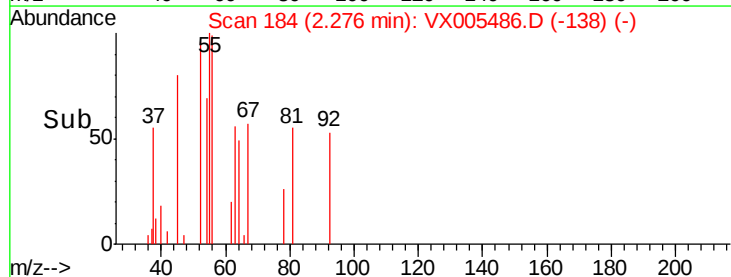
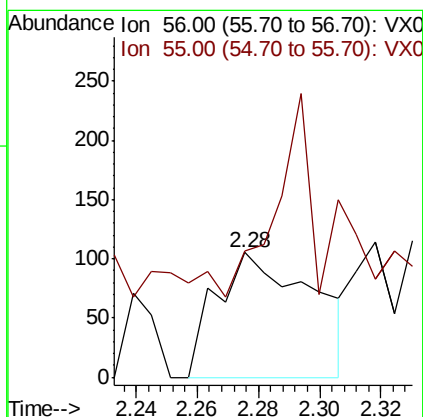
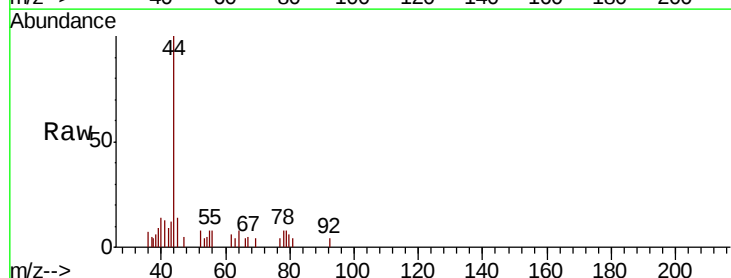
Instrument :
MSVOA_X
ClientSampled :
NL 7

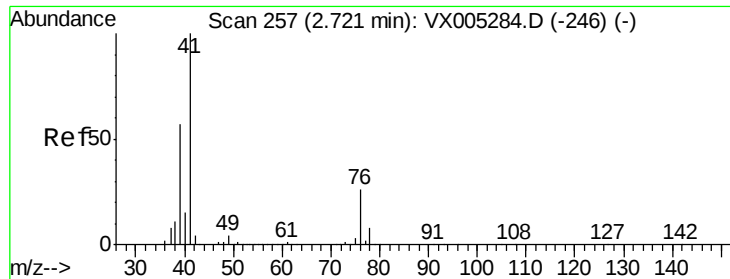
Tot Ion: 59 Resp: 1282
Ion Ratio Lower Upper
59 100
57 27.9 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 2.28 min Scan# 184
Delta R.T. -0.02 min
Lab File: VX005486.D
Acq: 22 Oct 2018 22:20

Tgt Ion: 56 Resp: 229
Ion Ratio Lower Upper
56 100
55 110.9 54.7 82.1#

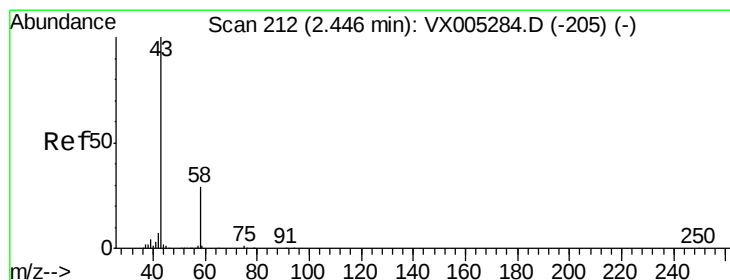
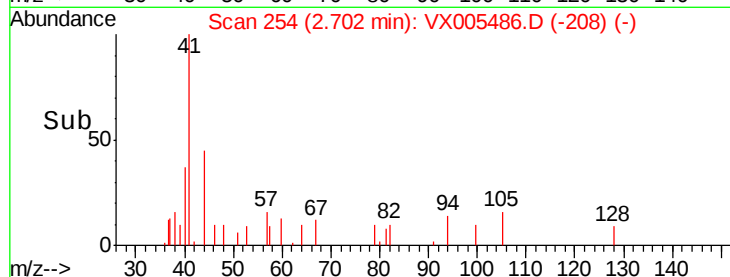
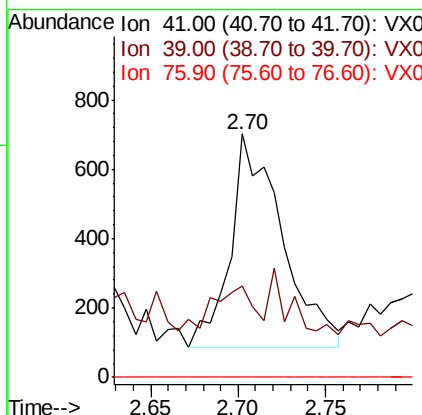
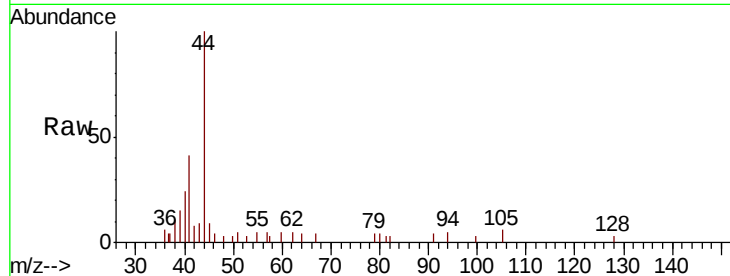




#14
Allvl chloride
Concen: 0.287 ug/l
RT: 2.70 min Scan# 254
Delta R.T. -0.02 min
Lab File: VX005486.D
Acq: 22 Oct 2018 22:20

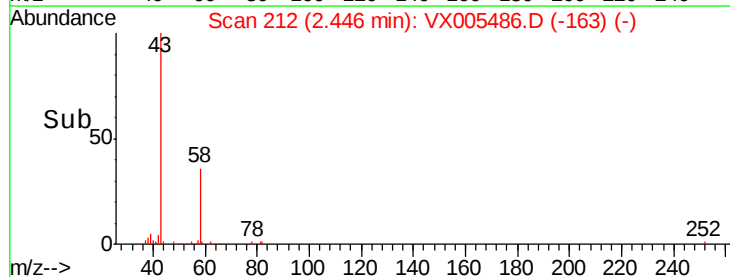
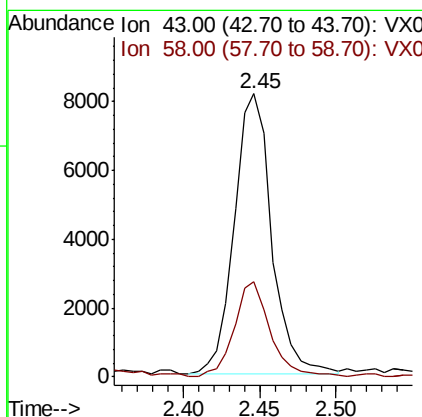
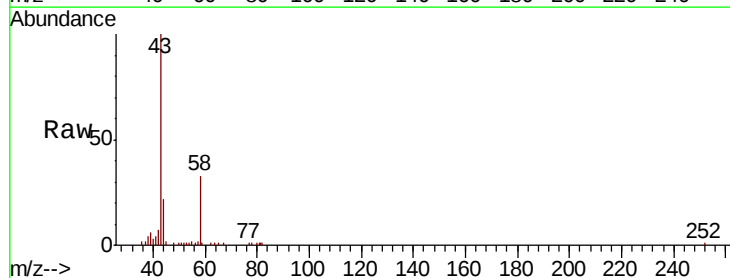
Instrument :
MSVOA_X
ClientSampled :
NL 7

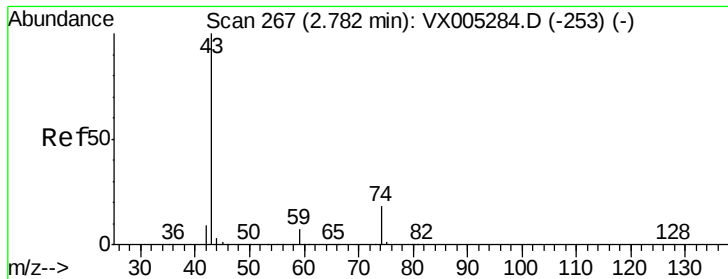
Tot Ion: 41 Resp: 1273
Ion Ratio Lower Upper
41 100
39 16.1 48.9 73.3#
76 0.0 26.7 40.1#



#16
Acetone
Concen: 9.315 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005486.D
Acq: 22 Oct 2018 22:20

Tgt Ion: 43 Resp: 13787
Ion Ratio Lower Upper
43 100
58 33.8 26.2 39.4

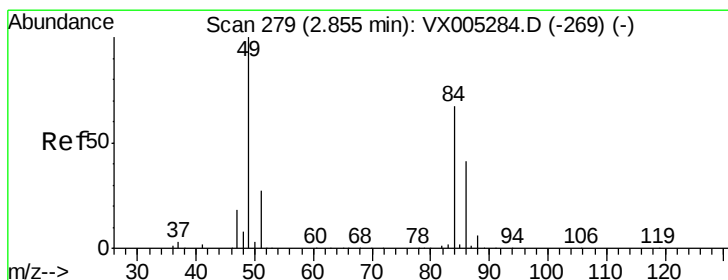
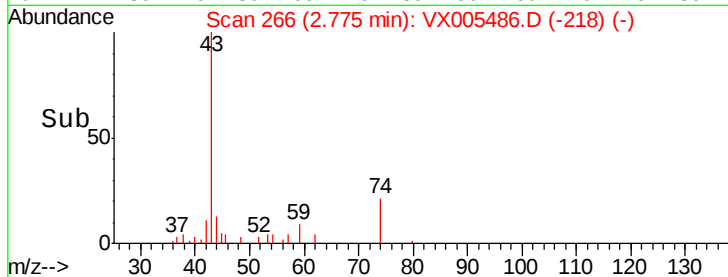
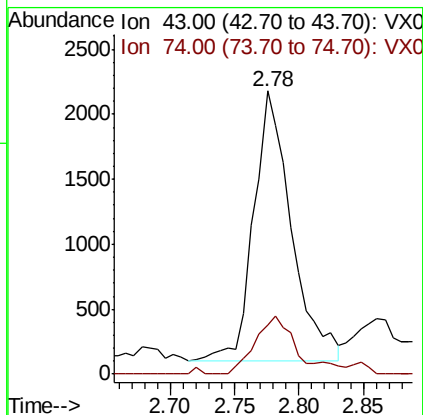
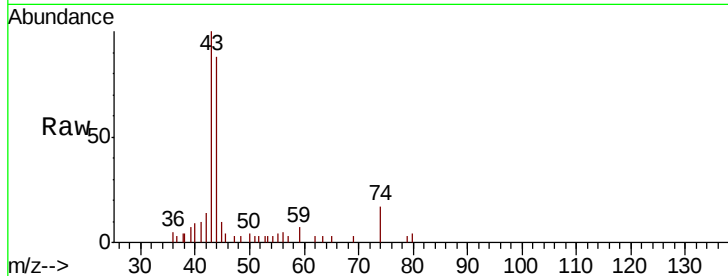




#18
Methyl Acetate
Concen: 0.992 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005486.D
Acq: 22 Oct 2018 22:20

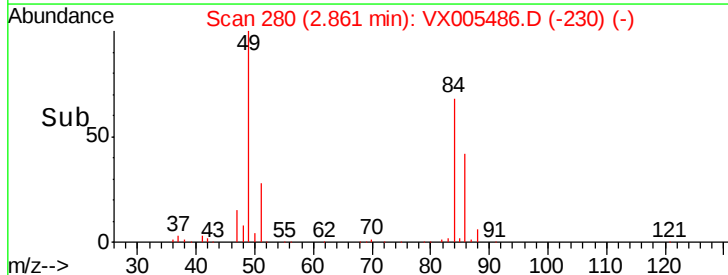
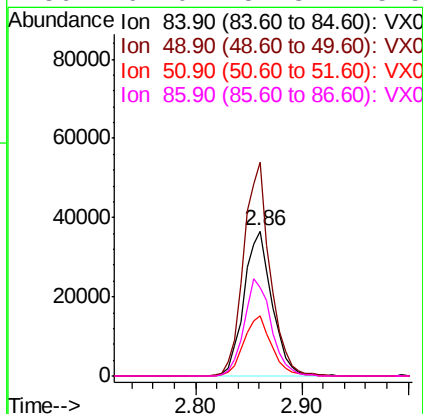
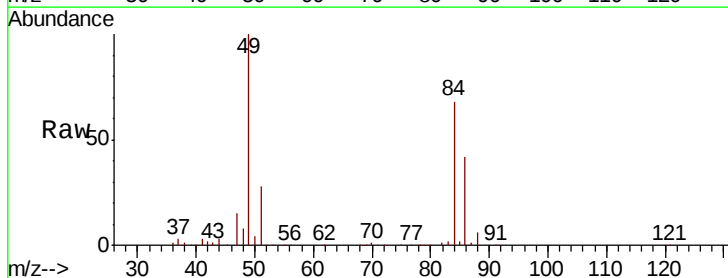
Instrument :
MSVOA_X
ClientSampled :
NL 7

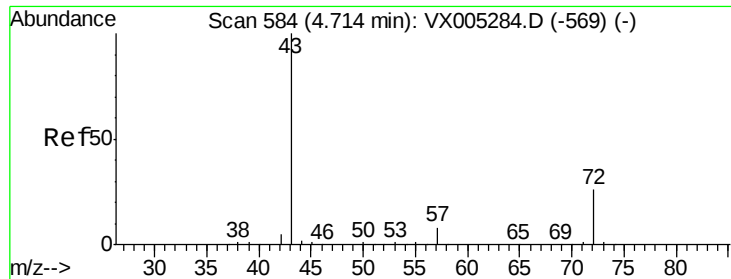
Tot Ion: 43 Resp: 4177
Ion Ratio Lower Upper
43 100
74 24.4 19.4 29.2



#20
Methylene Chloride
Concen: 31.010 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005486.D
Acq: 22 Oct 2018 22:20

Tgt Ion: 84 Resp: 67949
Ion Ratio Lower Upper
84 100
49 146.9 101.2 151.8
51 41.6 29.5 44.3
86 61.0 52.3 78.5





#25

2-Butanone

Concen: 1.166 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005486.D

Acq: 22 Oct 2018 22:20

Instrument :

MSVOA_X

ClientSampled :

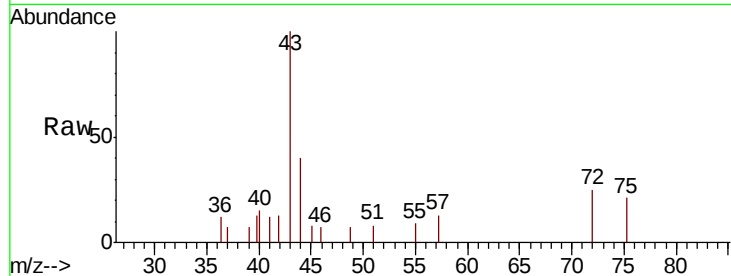
NL 7

Tot Ion: 43 Resp: 2526

Ion Ratio Lower Upper

43 100

72 25.0 22.0 33.0

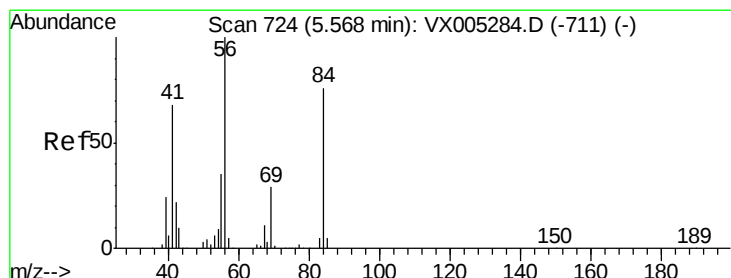
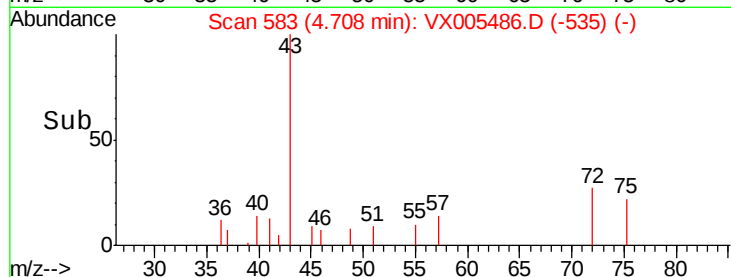


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Time-->

4.60 4.65 4.70 4.75



#31

Cyclohexane

Concen: 1.261 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.10 min

Lab File: VX005486.D

Acq: 22 Oct 2018 22:20

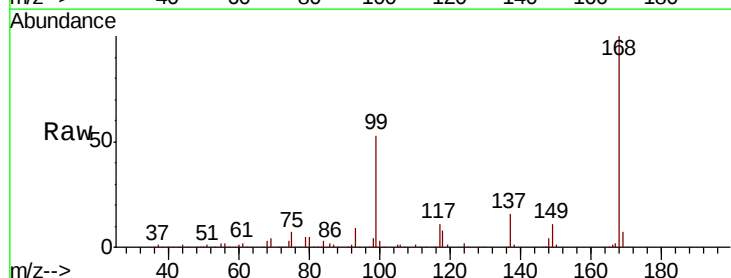
Tgt Ion: 56 Resp: 4438

Ion Ratio Lower Upper

56 100

69 198.0 25.4 38.2#

84 166.2 71.4 107.2#



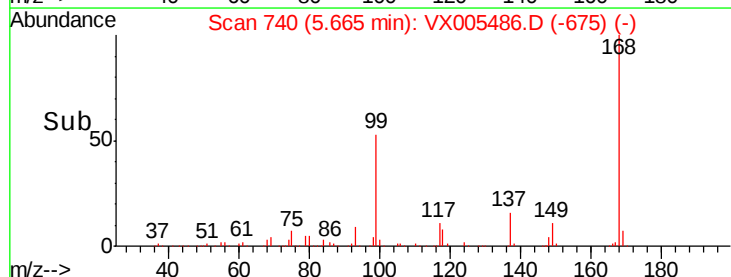
Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

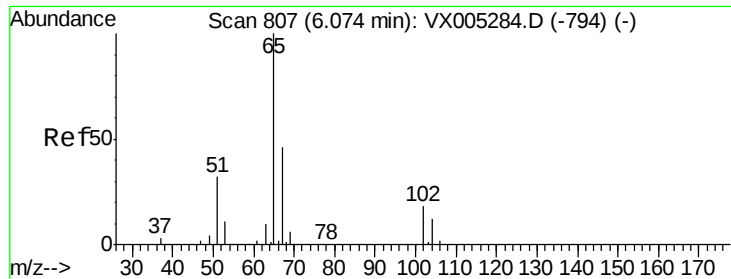
Time-->

5.60 5.65 5.70 5.75



Time-->

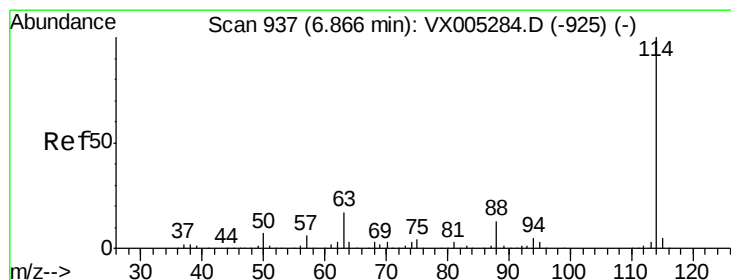
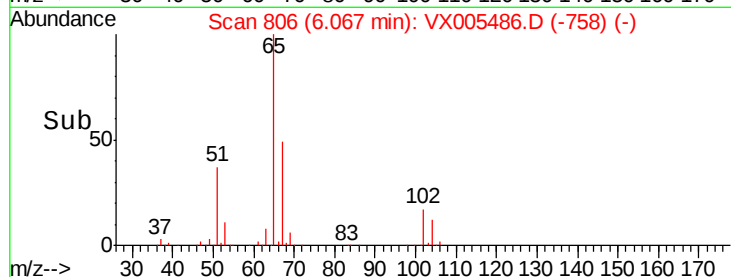
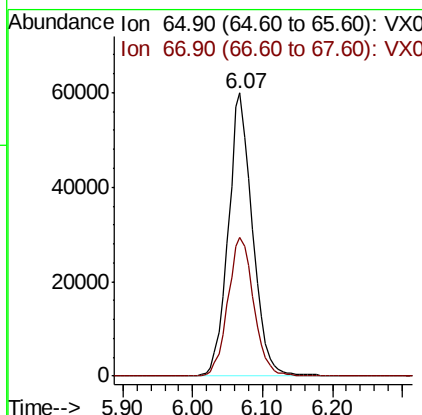
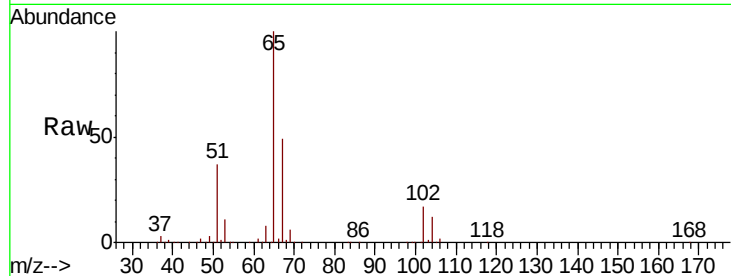
5.60 5.65 5.70 5.75



#33
 1,2-Dichloroethane-d4
 Concen: 56.310 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005486.D
 Acq: 22 Oct 2018 22:20

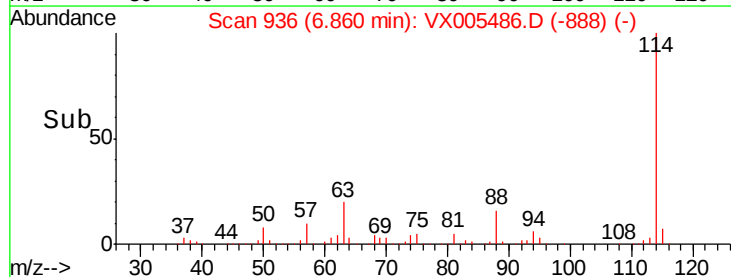
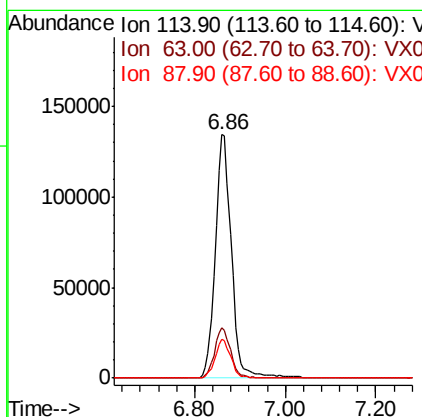
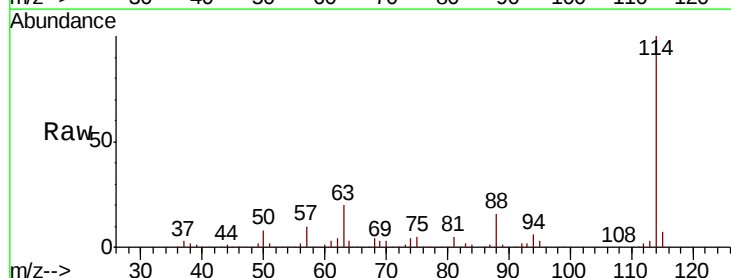
Instrument :
 MSVOA_X
 ClientSampleId :
 NL_7

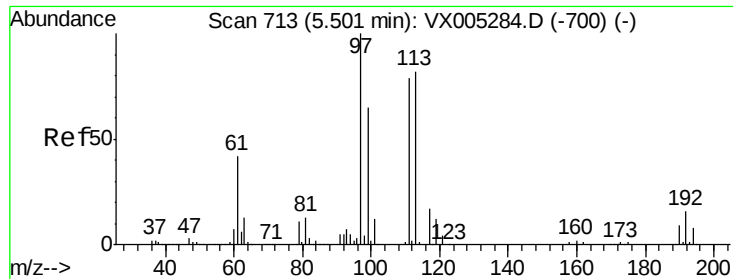
Tot Ion: 65 Resp: 144149
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005486.D
 Acq: 22 Oct 2018 22:20

Tgt Ion: 114 Resp: 335864
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.0
 88 15.9 0.0 30.4

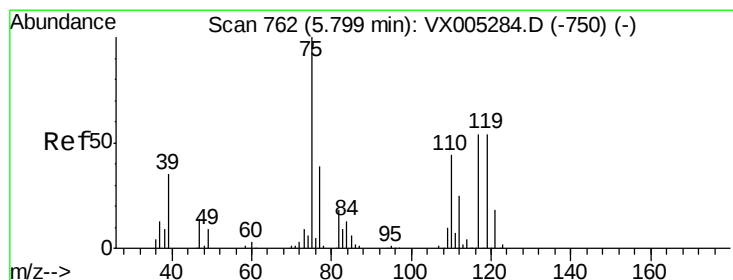
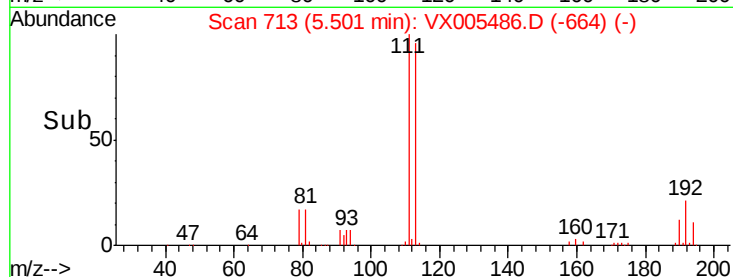
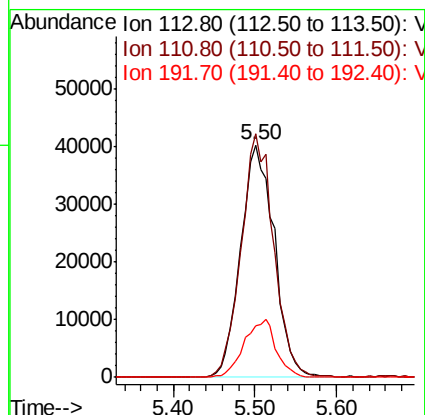
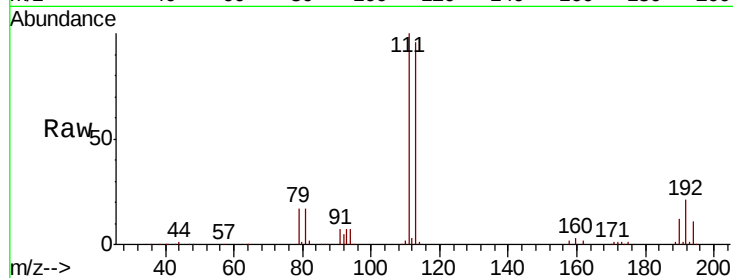




#35
 Dibromofluoromethane
 Concen: 51.816 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005486.D
 Acq: 22 Oct 2018 22:20

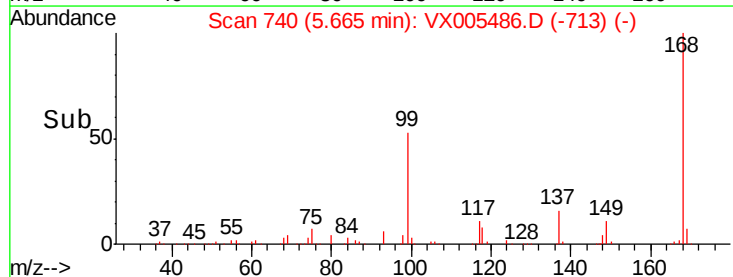
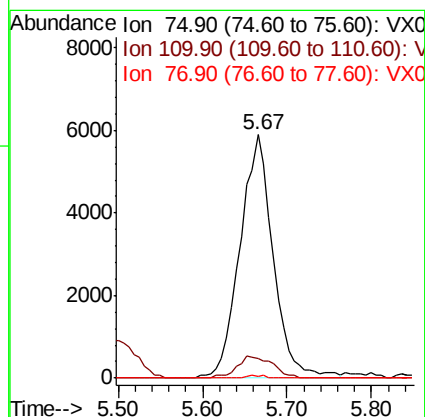
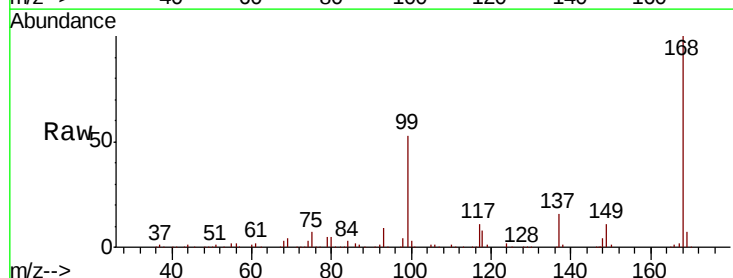
Instrument :
 MSVOA_X
 ClientSampled :
 NL 7

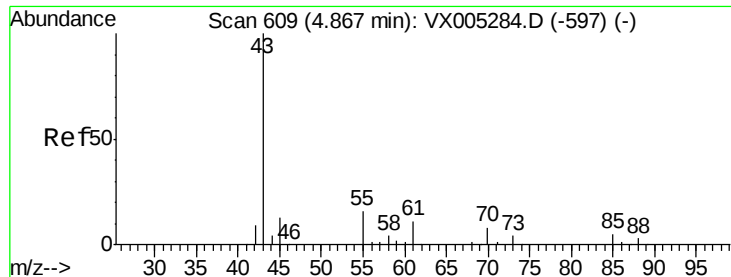
Tot Ion:113 Resp: 115265
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.4 123.6
 192 23.7 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 4.818 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005486.D
 Acq: 22 Oct 2018 22:20

Tgt Ion: 75 Resp: 15672
 Ion Ratio Lower Upper
 75 100
 110 9.6 18.0 54.0#
 77 0.6 24.6 36.8#





#37

Ethyl Acetate

Concen: 0.791 ug/l

RT: 4.86 min Scan# 608

Delta R.T. -0.01 min

Lab File: VX005486.D

Acq: 22 Oct 2018 22:20

Instrument :

MSVOA_X

ClientSampled :

NL 7

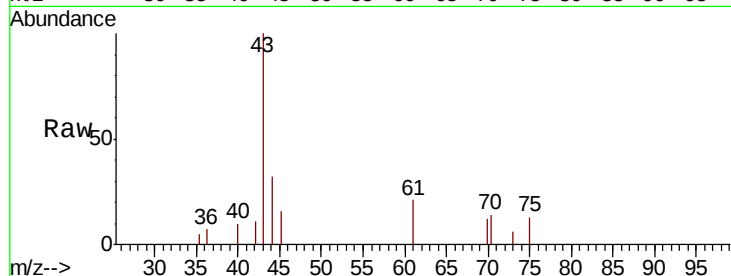
Tot Ion: 43 Resp: 3311

Ion Ratio Lower Upper

43 100

61 19.3 11.5 17.3#

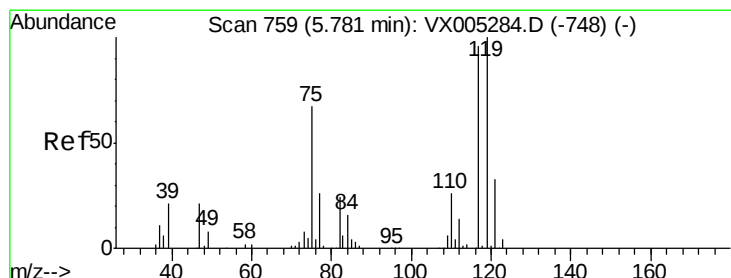
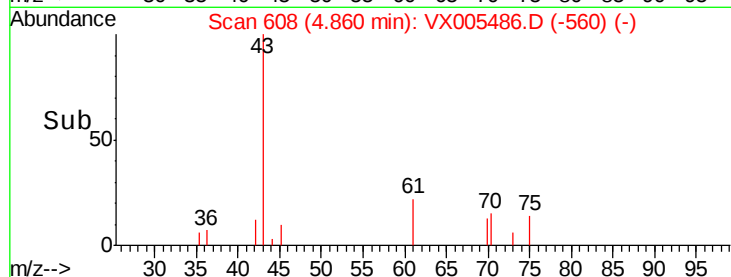
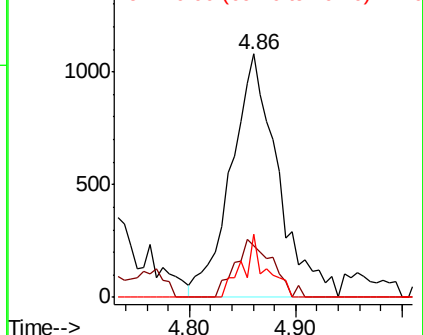
70 13.1 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VX005284.D (-597) (-)

Ion 60.90 (60.60 to 61.60): VX005284.D (-597) (-)

Ion 70.00 (69.70 to 70.70): VX005284.D (-597) (-)



#38

Carbon Tetrachloride

Concen: 6.815 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005486.D

Acq: 22 Oct 2018 22:20

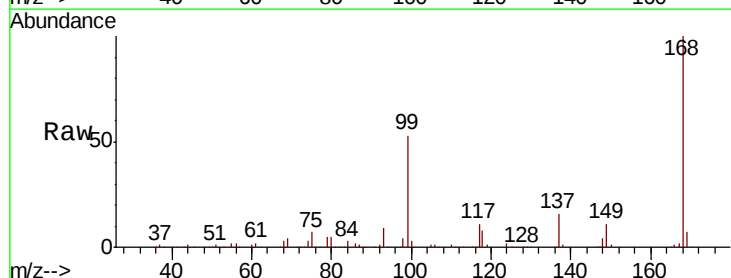
Tgt Ion: 117 Resp: 22274

Ion Ratio Lower Upper

117 100

119 6.0 78.8 118.2#

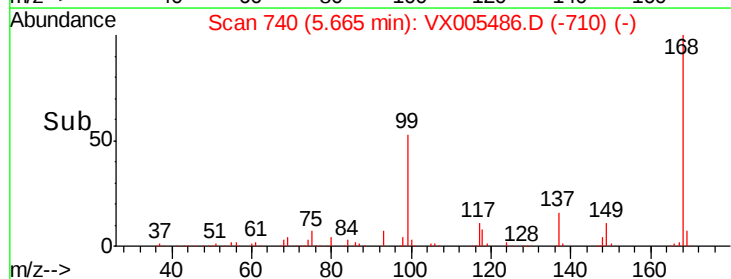
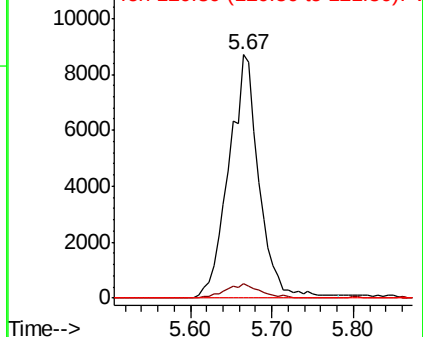
121 0.0 24.9 37.3#

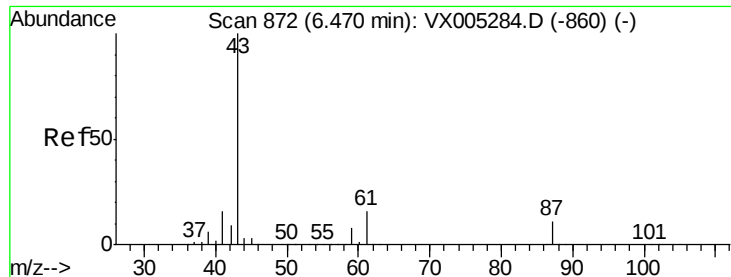


Abundance Ion 116.80 (116.50 to 117.50): VX005486.D (-710) (-)

Ion 118.80 (118.50 to 119.50): VX005486.D (-710) (-)

Ion 120.80 (120.50 to 121.50): VX005486.D (-710) (-)





#43

Isopropyl Acetate

Concen: 4.449 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005486.D

Acq: 22 Oct 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

NL 7

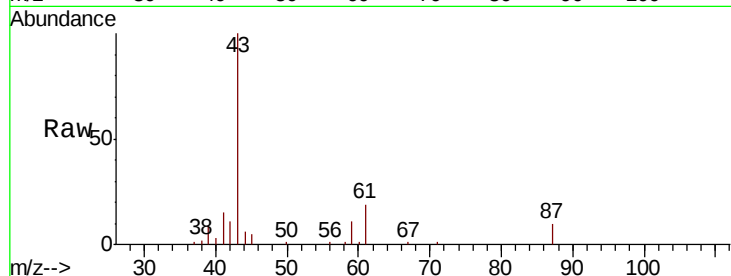
Tot Ion: 43 Resp: 24791

Ion Ratio Lower Upper

43 100

61 20.2 17.0 25.4

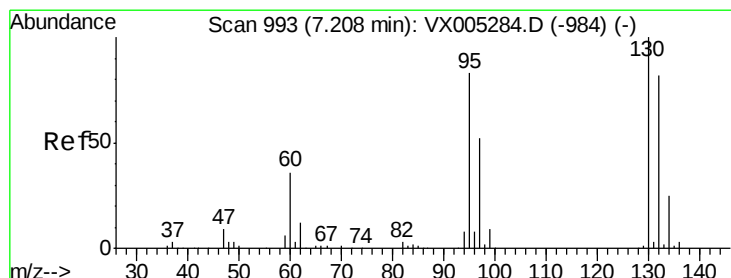
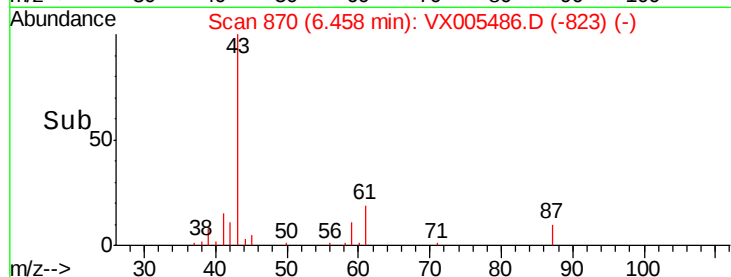
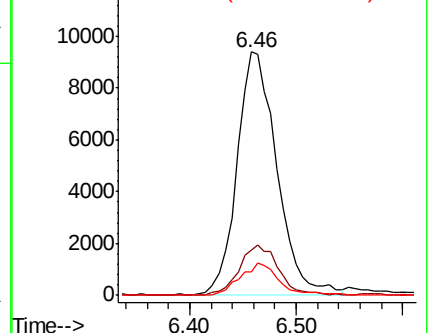
87 13.0 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#44

Trichloroethene

Concen: Below Cal

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005486.D

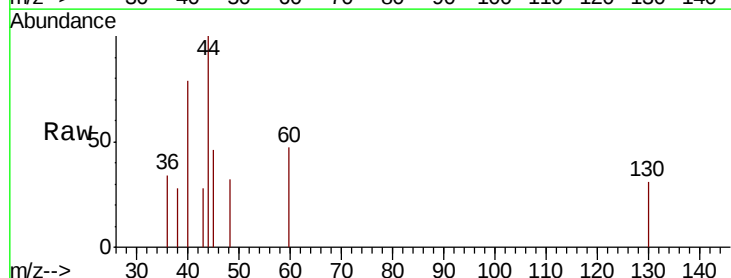
Acq: 22 Oct 2018 22:20

Tgt Ion: 130 Resp: 41

Ion Ratio Lower Upper

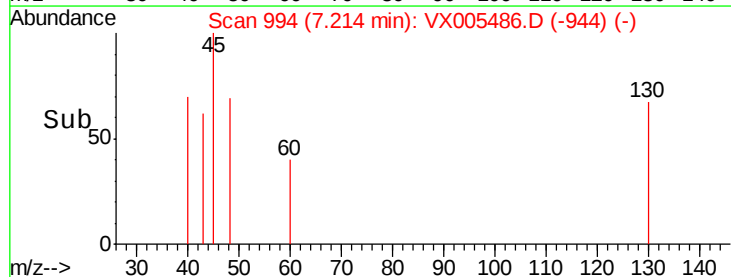
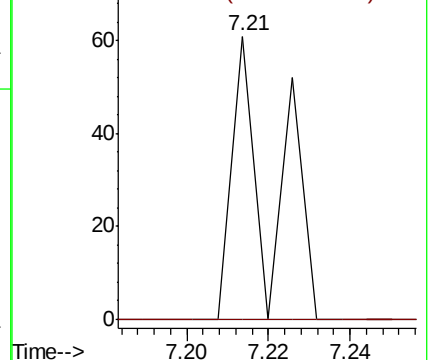
130 100

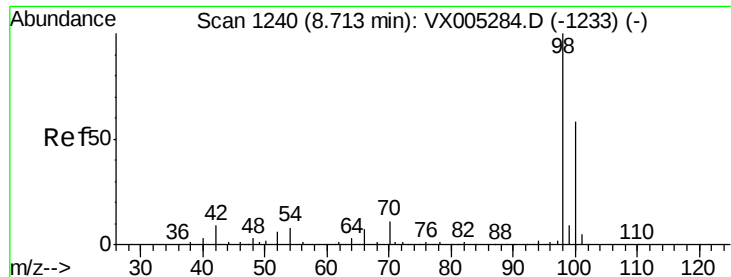
95 0.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

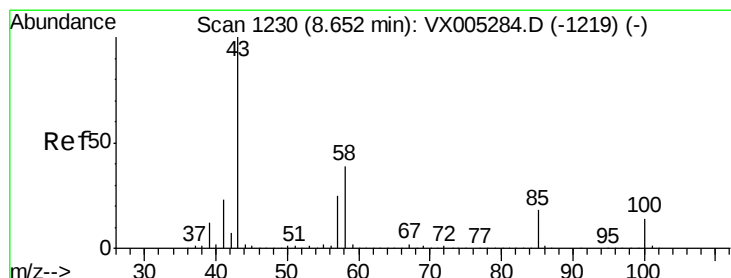
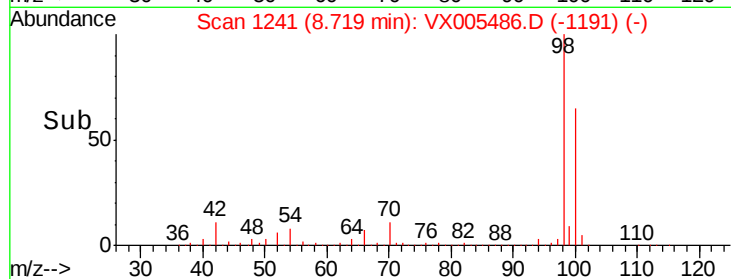
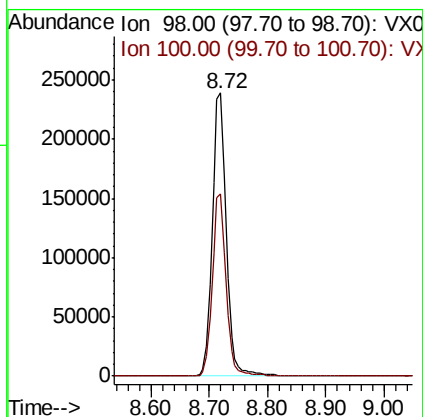
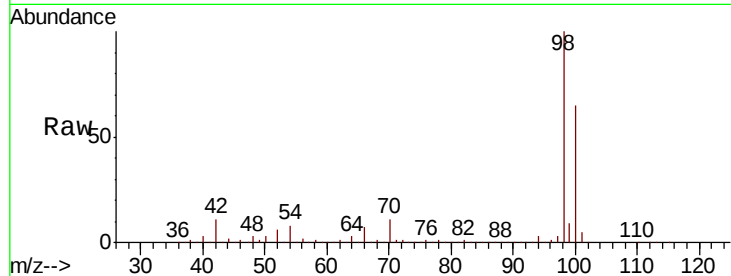




#50
Toluene-d8
Concen: 51.951 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005486.D
Acq: 22 Oct 2018 22:20

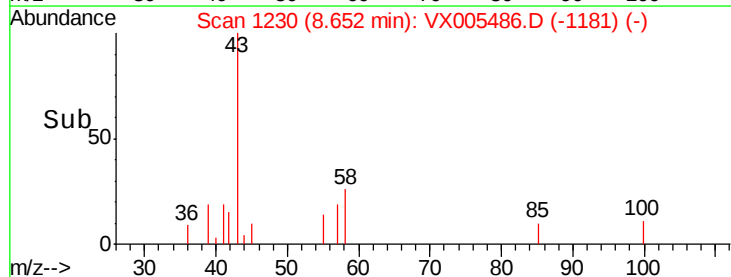
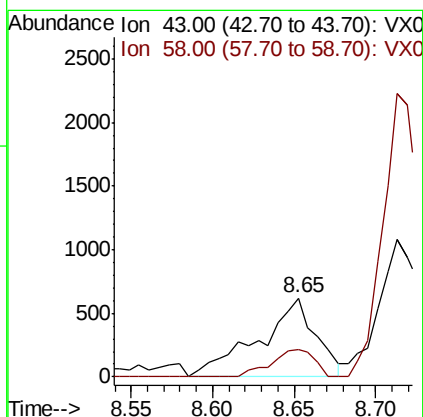
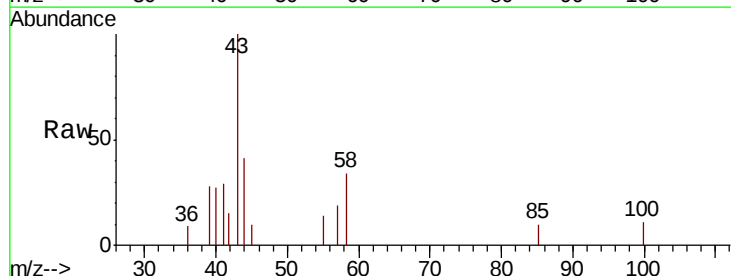
Instrument :
MSVOA_X
ClientSampled :
NL 7

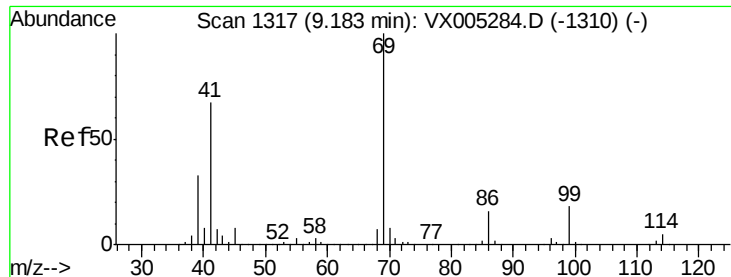
Tot Ion: 98 Resp: 396742
Ion Ratio Lower Upper
98 100
100 63.5 52.9 79.3



#51
4-Methyl-2-Pentanone
Concen: 0.391 ug/l
RT: 8.65 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VX005486.D
Acq: 22 Oct 2018 22:20

Tgt Ion: 43 Resp: 1510
Ion Ratio Lower Upper
43 100
58 26.1 33.1 49.7#

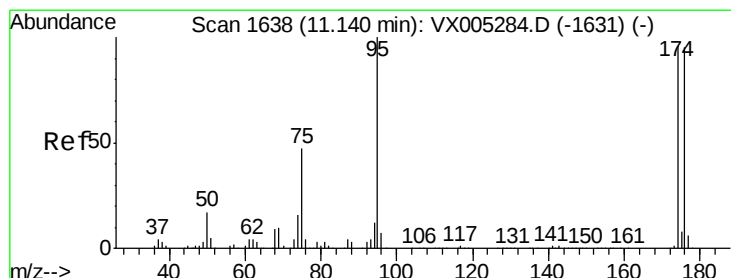
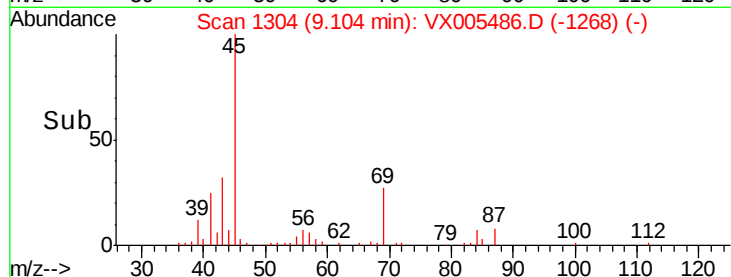
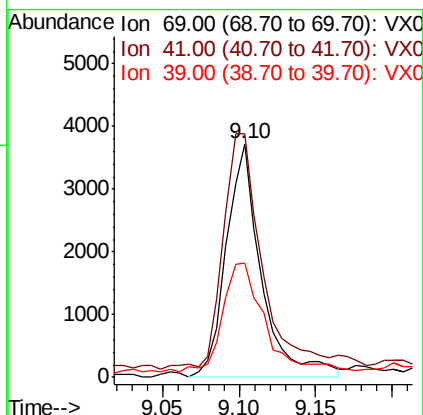
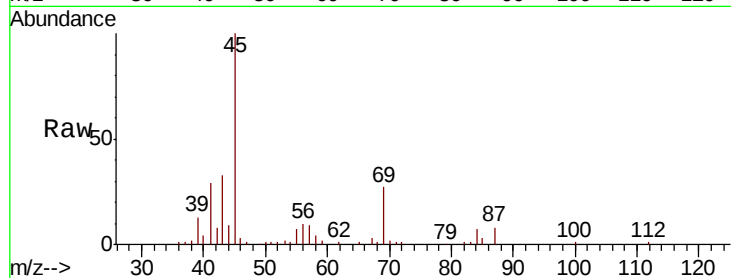




#56
Ethyl methacrylate
Concen: 1.804 ug/l
RT: 9.10 min Scan# 1304
Delta R.T. -0.08 min
Lab File: VX005486.D
Acq: 22 Oct 2018 22:20

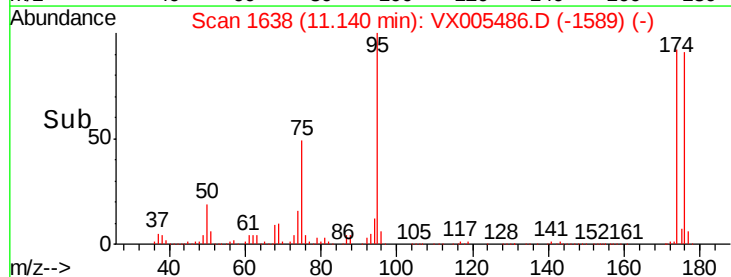
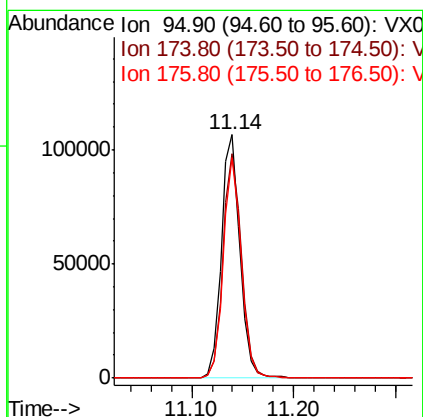
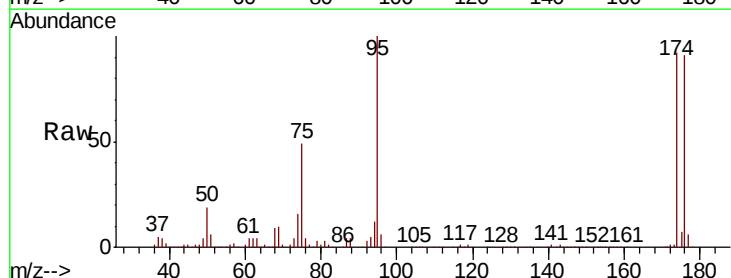
Instrument :
MSVOA_X
ClientSampled :
NL 7

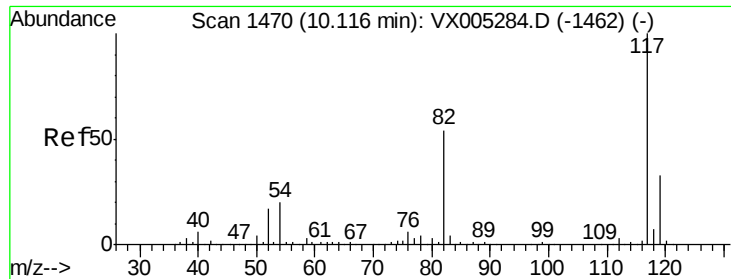
Tot Ion: 69 Resp: 5947
Ion Ratio Lower Upper
69 100
41 111.4 51.0 76.4#
39 55.7 26.1 39.1#



#62
4-Bromofluorobenzene
Concen: 47.255 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005486.D
Acq: 22 Oct 2018 22:20

Tgt Ion: 95 Resp: 135571
Ion Ratio Lower Upper
95 100
174 92.2 0.0 185.2
176 88.2 0.0 178.6

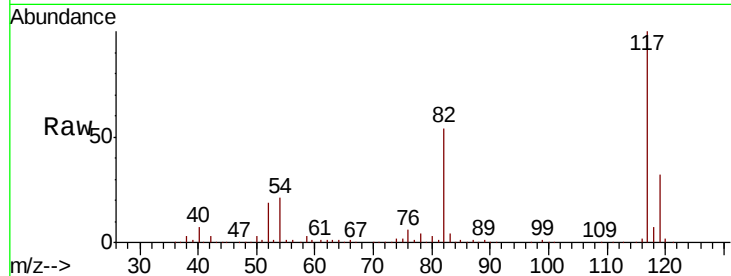




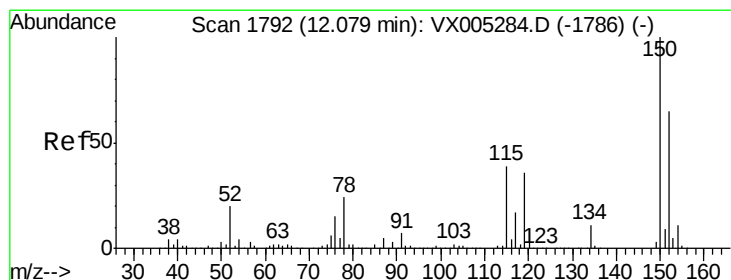
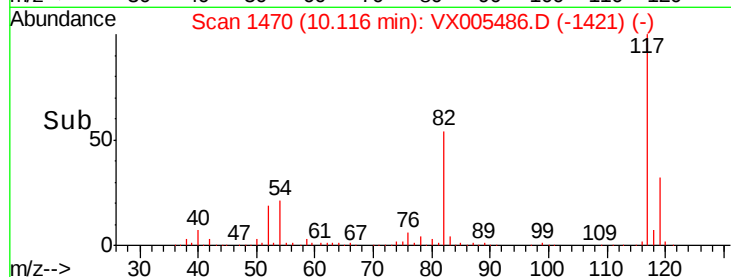
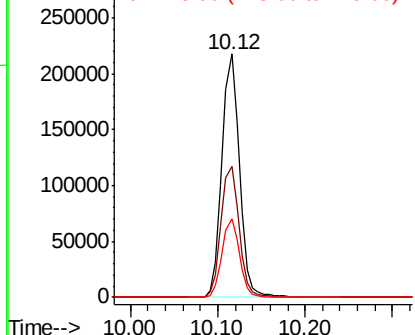
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005486.D
Acq: 22 Oct 2018 22:20

Instrument :
MSVOA_X
ClientSampleId :
NL_7

Tot Ion:117 Resp: 301785
Ion Ratio Lower Upper
117 100
82 54.0 47.8 71.6
119 32.1 29.3 43.9

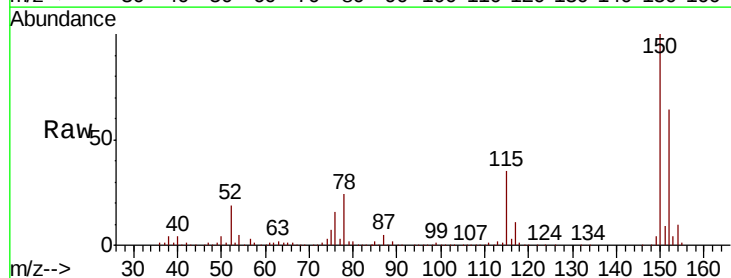


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

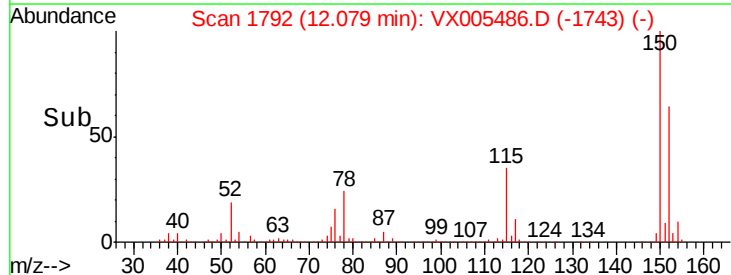
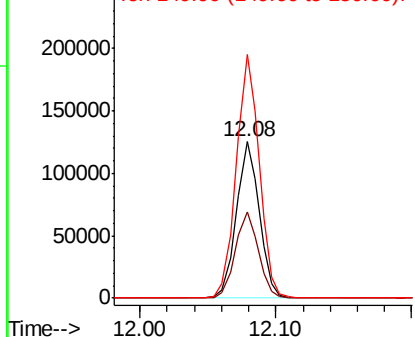


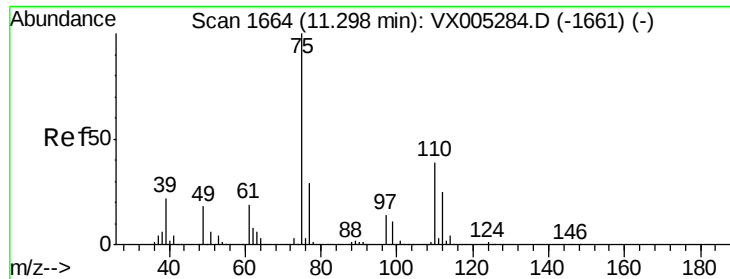
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005486.D
Acq: 22 Oct 2018 22:20

Tgt Ion:152 Resp: 146719
Ion Ratio Lower Upper
152 100
115 55.4 39.0 117.0
150 156.1 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





#76

1,2,3-Trichloropropane

Concen: 23.779 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005486.D

Acq: 22 Oct 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

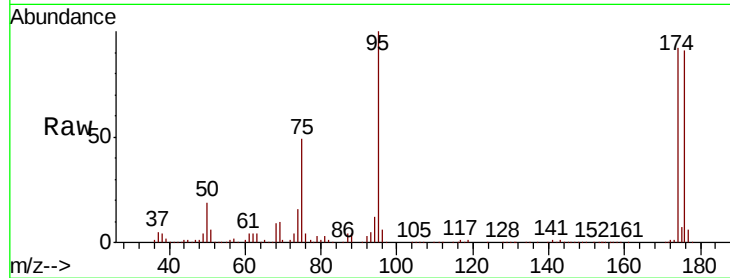
NL 7

Tot Ion: 75 Resp: 67674

Ion Ratio Lower Upper

75 100

77 1.2 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

60000

50000

40000

30000

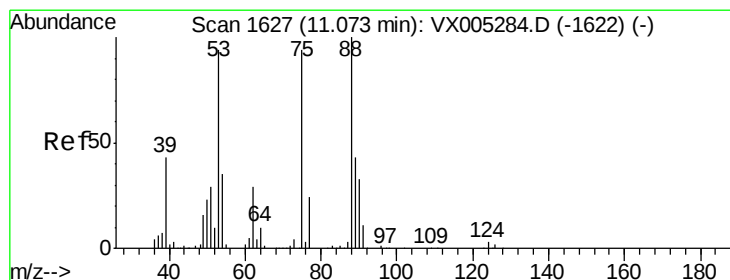
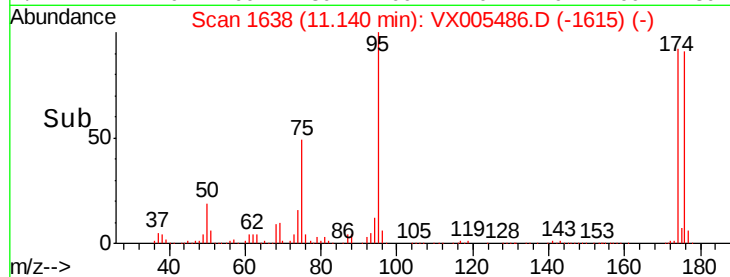
20000

10000

0

11.10 11.20

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 72.253 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005486.D

Acq: 22 Oct 2018 22:20

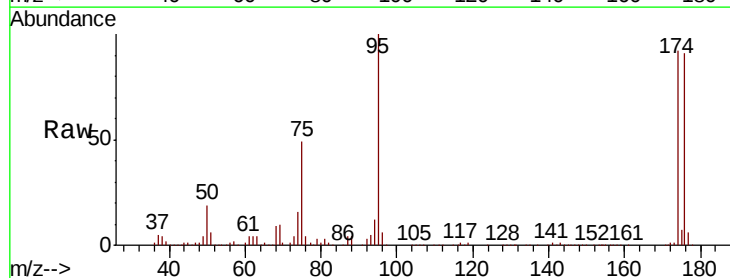
Tgt Ion: 75 Resp: 67674

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

60000

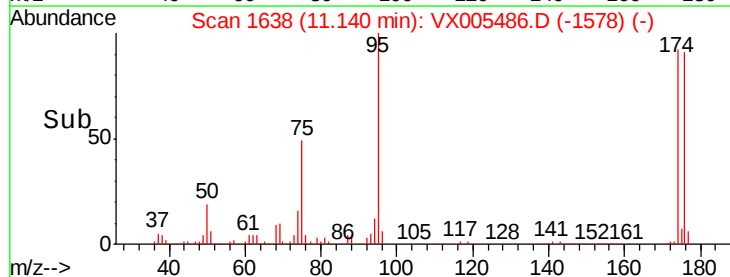
40000

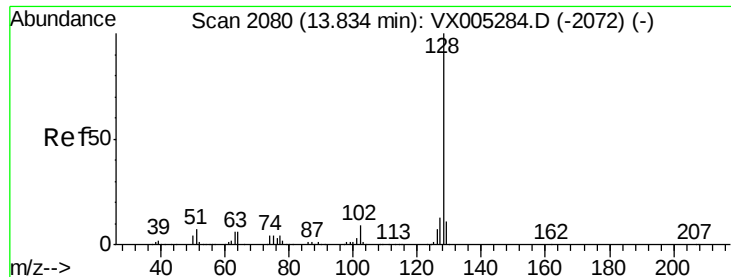
20000

0

11.10 11.20

Time-->





#95

Naphthalene

Concen: 3.666 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005486.D

Acq: 22 Oct 2018 22:20

Instrument :

MSVOA_X

ClientSampleId :

NL_7

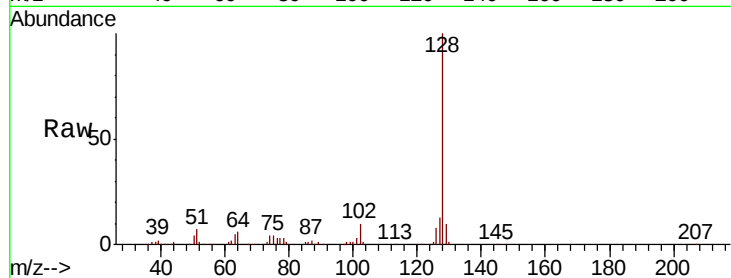
Tot Ion:128 Resp: 37090

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

129 11.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

