

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005469.D
 Acq On : 22 Oct 2018 14:46
 Operator : JC/MD
 Sample : J5610-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

Quant Time: Oct 23 01:26:16 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	249513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	350384	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	303990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	145551	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	145734	52.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.26%	
35) Dibromofluoromethane	5.49	113	116088	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
50) Toluene-d8	8.72	98	411760	51.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.36%	
62) 4-Bromofluorobenzene	11.14	95	132778	44.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.72%	

Target Compounds

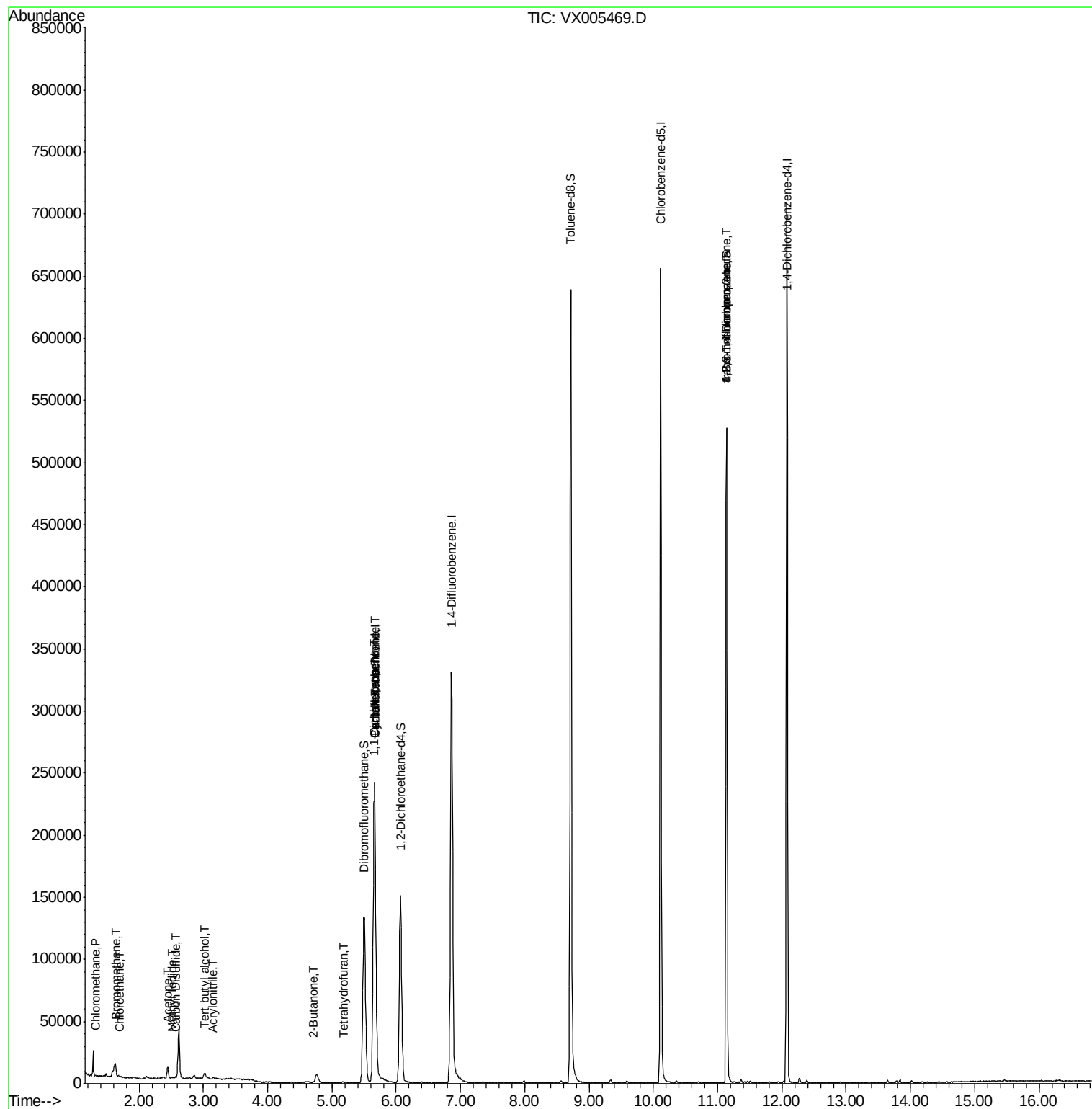
					Qvalue	
3) Chloromethane	1.32	50	663	0.235	ug/l #	55
5) Bromomethane	1.64	94	934	1.155	ug/l	86
6) Chloroethane	1.69	64	123	0.400	ug/l #	44
10) Methyl Iodide	2.51	142	825	2.813	ug/l	98
11) Tert butyl alcohol	3.02	59	3760	4.813	ug/l #	81
13) Acrolein	2.31	56	247	Below Cal	#	23
15) Acrylonitrile	3.15	53	787	0.445	ug/l #	83
16) Acetone	2.45	43	9352	5.841	ug/l	92
17) Carbon Disulfide	2.56	76	1574	0.238	ug/l #	85
20) Methylene Chloride	2.85	84	1167	Below Cal		90
25) 2-Butanone	4.70	43	499	0.213	ug/l #	89
29) Tetrahydrofuran	5.18	42	576	0.385	ug/l #	31
31) Cyclohexane	5.66	56	4544	1.194	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	16980	5.004	ug/l #	49
38) Carbon Tetrachloride	5.67	117	22432	6.579	ug/l #	16
44) Trichloroethene	7.19	130	52	Below Cal		4
76) 1,2,3-Trichloropropane	11.14	75	67530	23.919	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	67530	72.677	ug/l #	10

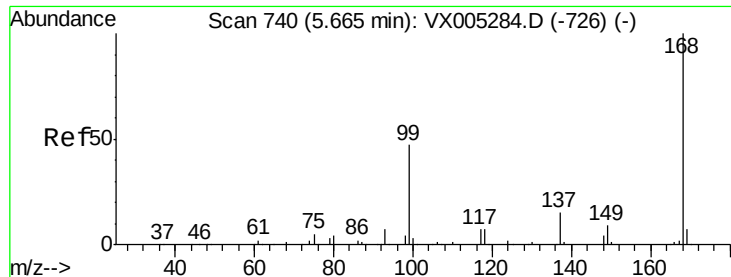
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102218\
Data File : VX005469.D
Acq On : 22 Oct 2018 14:46
Operator : JC/MD
Sample : J5610-12
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Quant Time: Oct 23 01:26:16 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

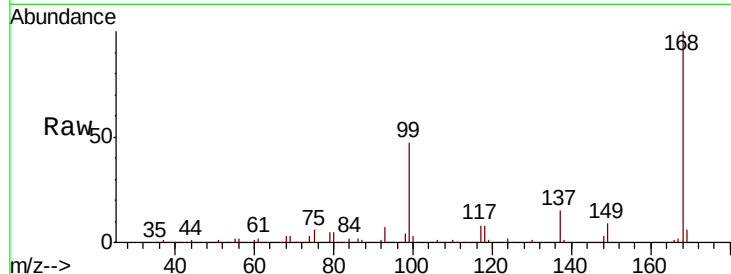




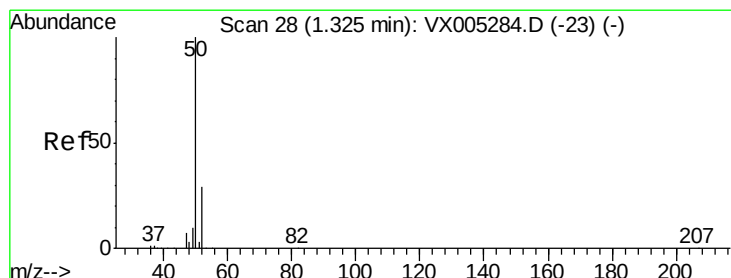
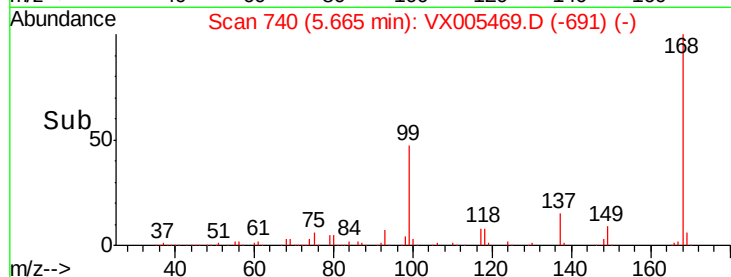
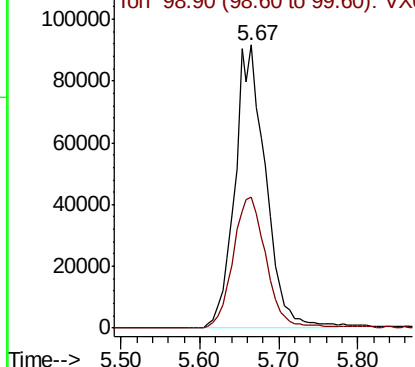
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX005469.D
Acq: 22 Oct 2018 14:46

Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

Tot Ion:168 Resp: 249513
Ion Ratio Lower Upper
168 100
99 46.5 39.9 59.9

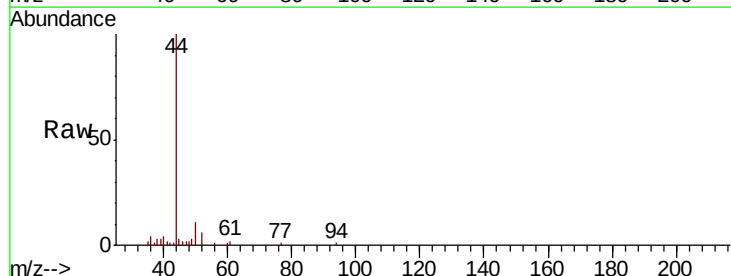


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0

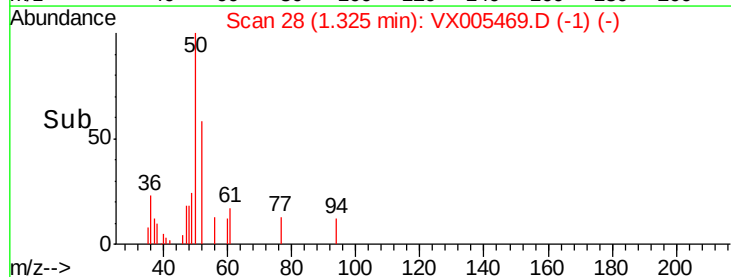
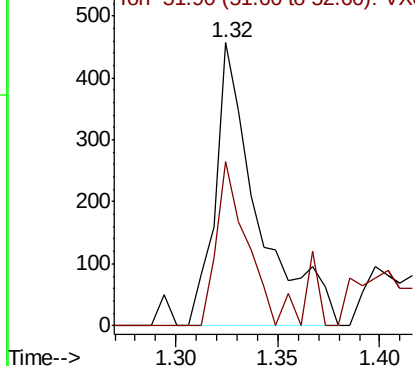


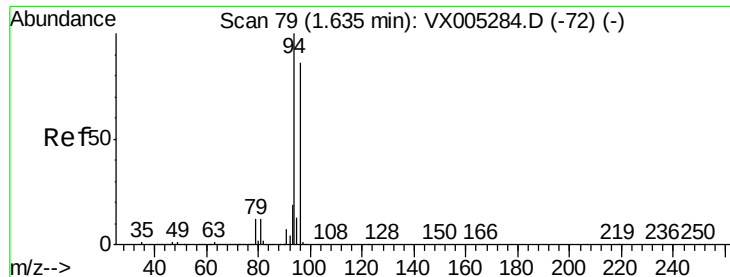
#3
Chloromethane
Concen: 0.235 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX005469.D
Acq: 22 Oct 2018 14:46

Tgt Ion: 50 Resp: 663
Ion Ratio Lower Upper
50 100
52 58.2 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0
Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.155 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005469.D

Acq: 22 Oct 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

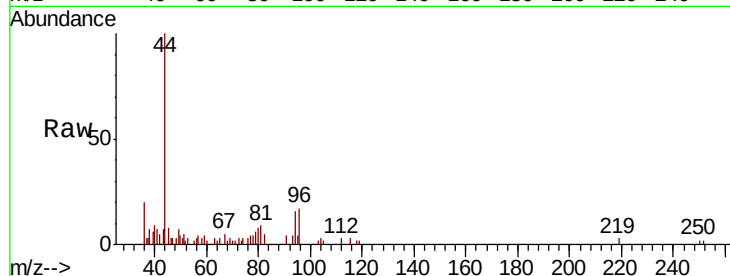
TRIP-BLANK

Tot Ion: 94 Resp: 934

Ion Ratio Lower Upper

94 100

96 106.9 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

500

400

300

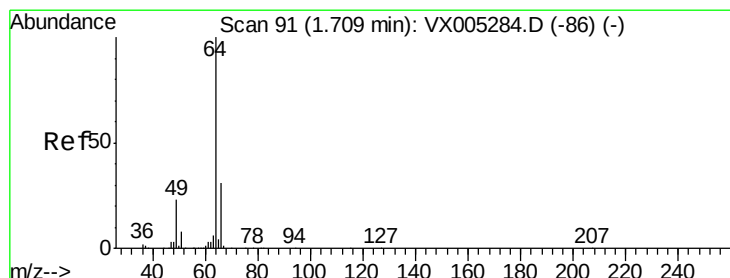
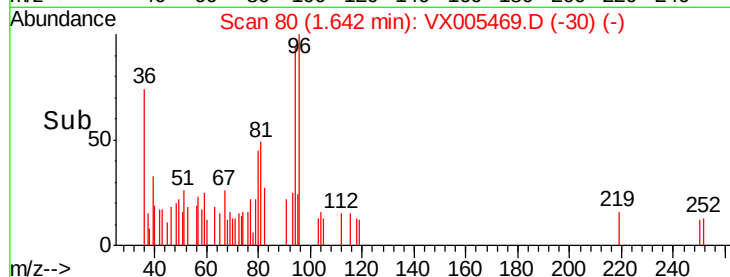
200

100

0

1.55 1.60 1.65 1.70 1.75

Time-->



#6

Chloroethane

Concen: 0.400 ug/l

RT: 1.69 min Scan# 88

Delta R.T. -0.02 min

Lab File: VX005469.D

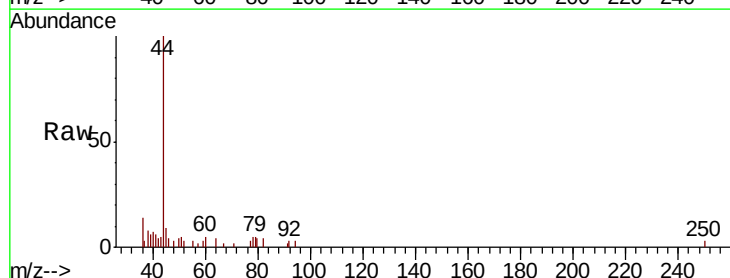
Acq: 22 Oct 2018 14:46

Tgt Ion: 64 Resp: 123

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

120

100

80

60

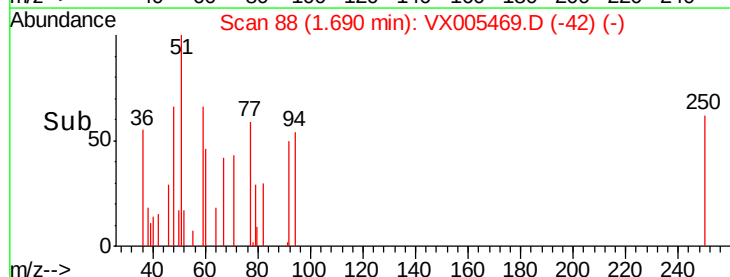
40

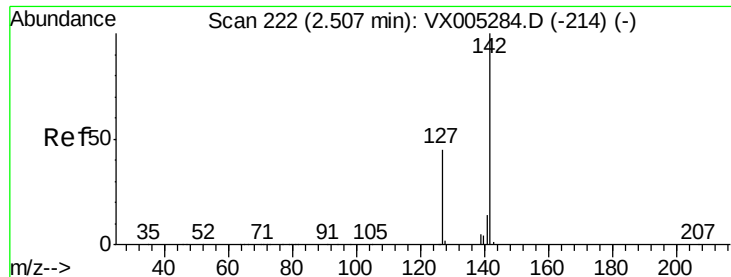
20

0

1.64 1.66 1.68 1.70

Time-->

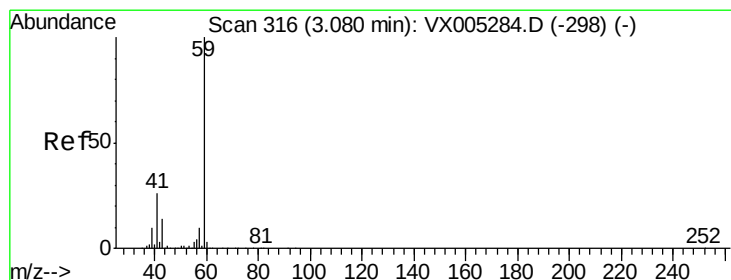
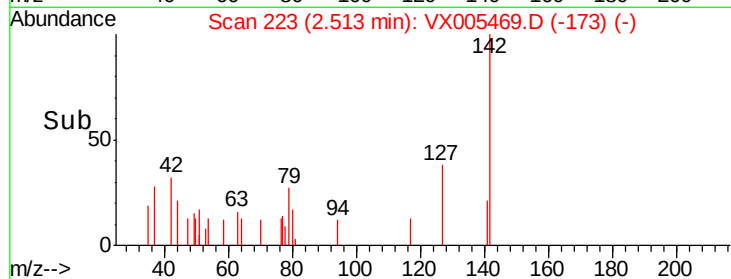
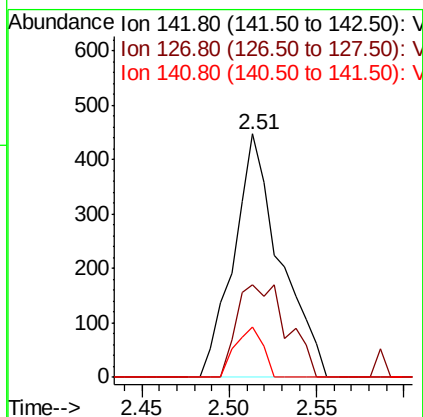
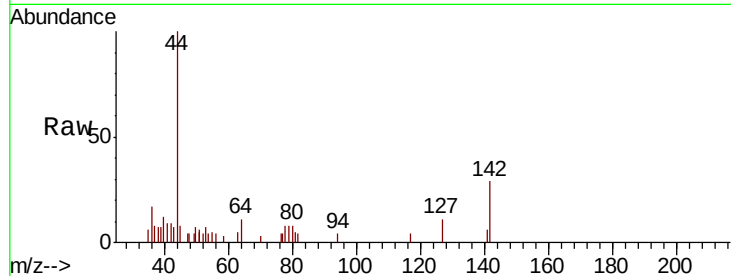




#10
Methvl Iodide
Concen: 2.813 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX005469.D
Acq: 22 Oct 2018 14:46

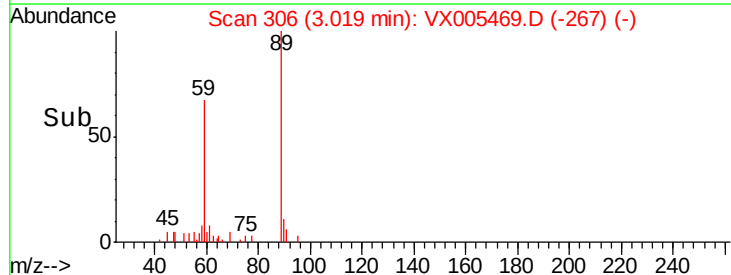
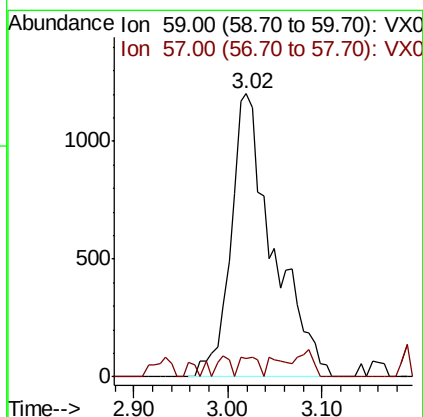
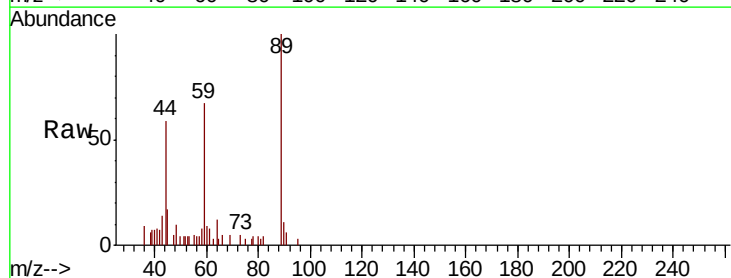
Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

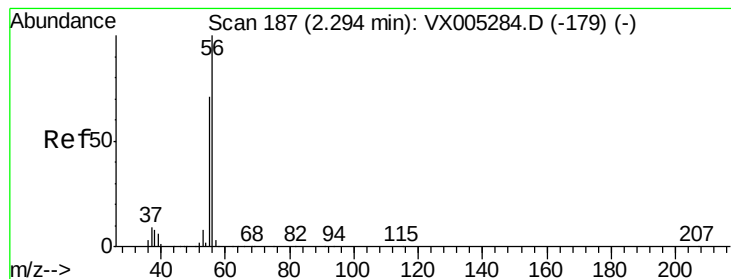
Tot Ion:142 Resp: 825
Ion Ratio Lower Upper
142 100
127 41.5 33.8 50.6
141 12.4 11.4 17.0



#11
Tert butyl alcohol
Concen: 4.813 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005469.D
Acq: 22 Oct 2018 14:46

Tgt Ion: 59 Resp: 3760
Ion Ratio Lower Upper
59 100
57 3.1 8.2 12.4#





#13

Acrolein

Concen: Below Cal

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX005469.D

Acq: 22 Oct 2018 14:46

Instrument :

MSVOA_X

ClientSampled :

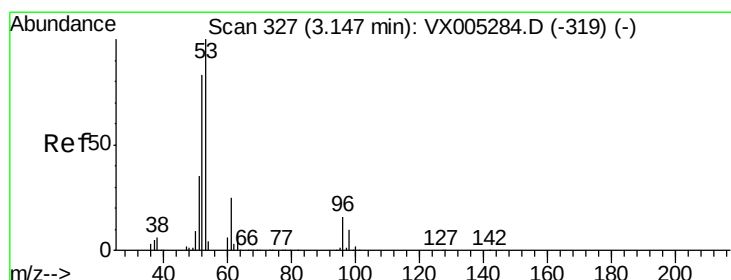
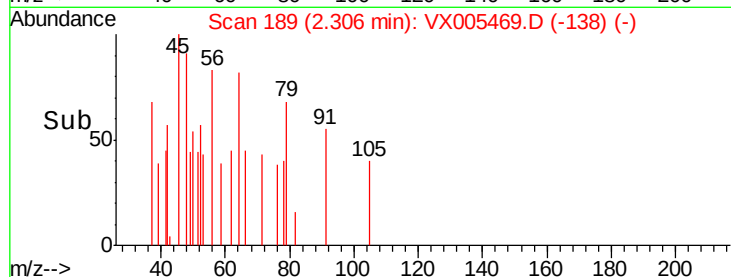
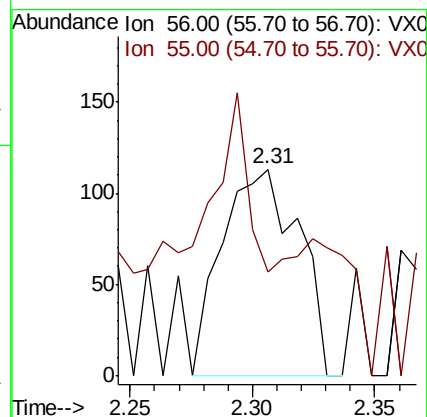
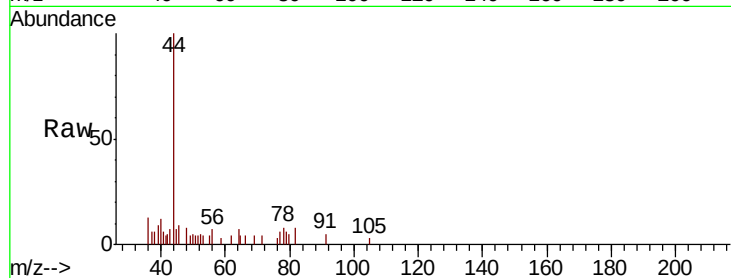
TRIP-BLANK

Tot Ion: 56 Resp: 247

Ion Ratio Lower Upper

56 100

55 131.2 54.7 82.1#



#15

Acrylonitrile

Concen: 0.445 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX005469.D

Acq: 22 Oct 2018 14:46

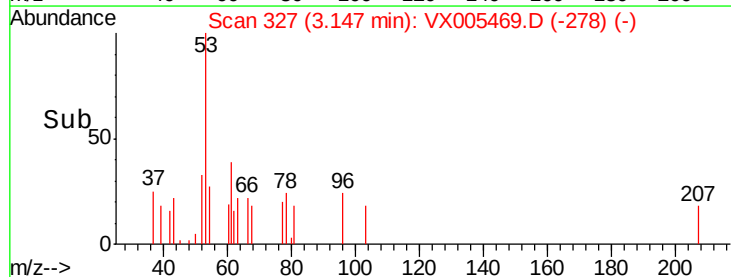
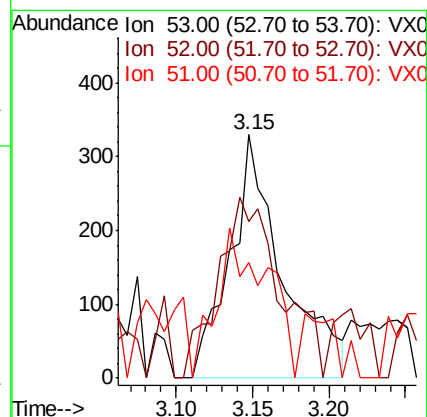
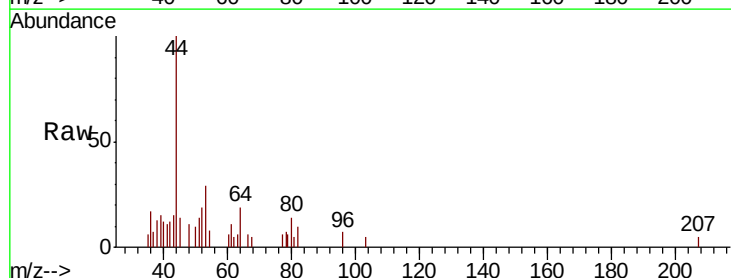
Tgt Ion: 53 Resp: 787

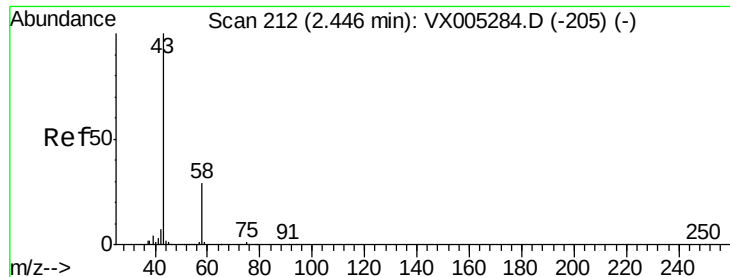
Ion Ratio Lower Upper

53 100

52 88.1 65.2 97.8

51 58.8 28.2 42.2#





#16

Acetone

Concen: 5.841 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005469.D

Acq: 22 Oct 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

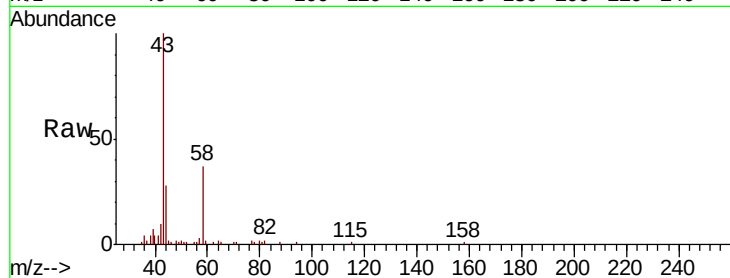
TRIP-BLANK

Tot Ion: 43 Resp: 9352

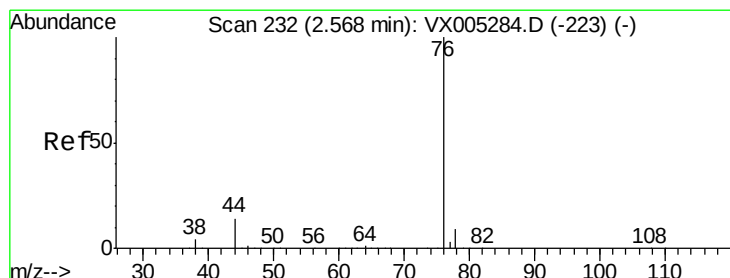
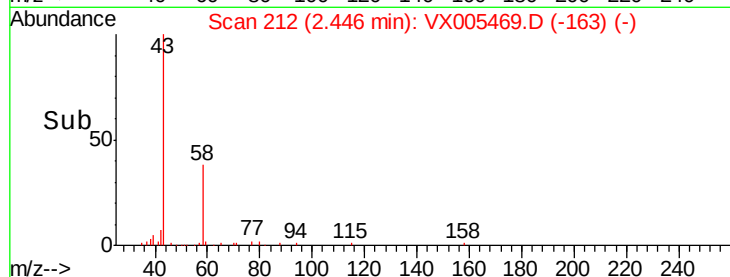
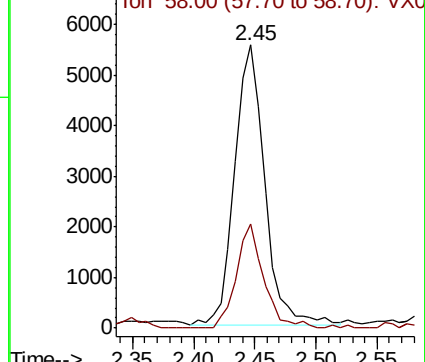
Ion Ratio Lower Upper

43 100

58 37.4 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0



#17

Carbon Disulfide

Concen: 0.238 ug/l

RT: 2.56 min Scan# 231

Delta R.T. -0.01 min

Lab File: VX005469.D

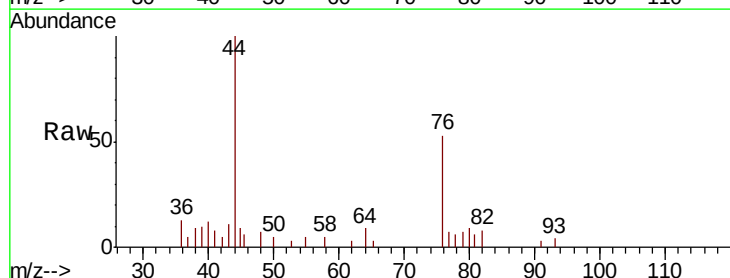
Acq: 22 Oct 2018 14:46

Tgt Ion: 76 Resp: 1574

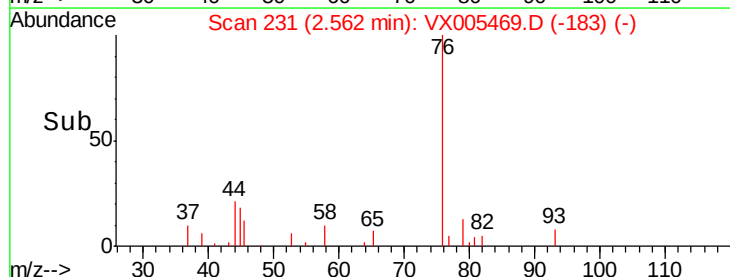
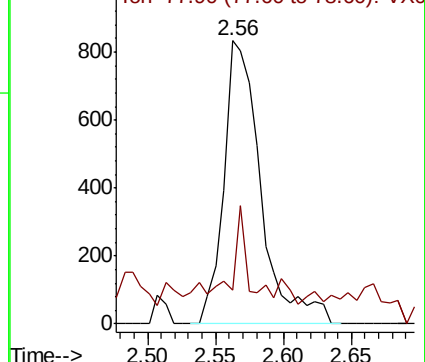
Ion Ratio Lower Upper

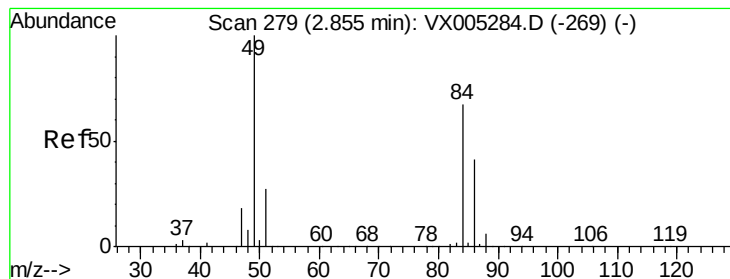
76 100

78 3.2 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005469.D

Acq: 22 Oct 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

Tot Ion: 84 Resp: 1167

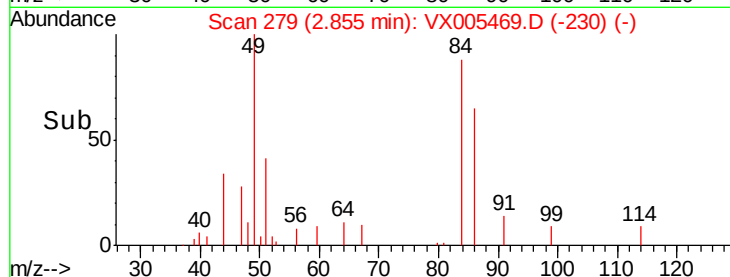
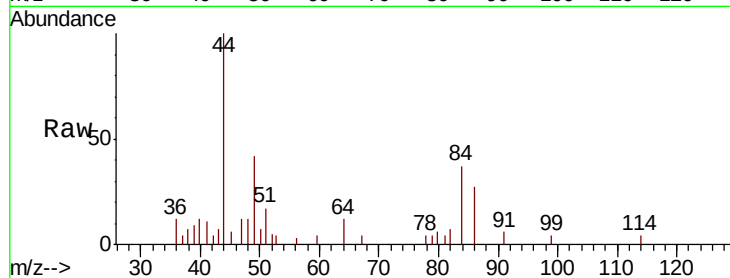
Ion Ratio Lower Upper

84 100

49 113.9 101.2 151.8

51 36.1 29.5 44.3

86 74.5 52.3 78.5

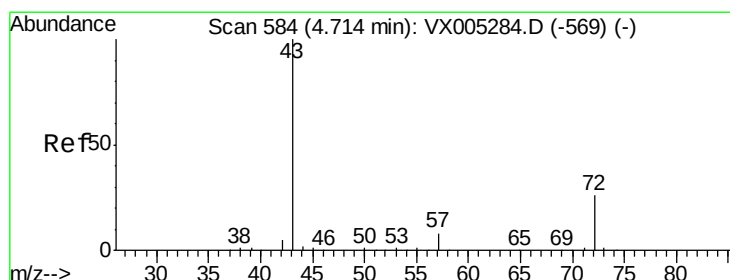
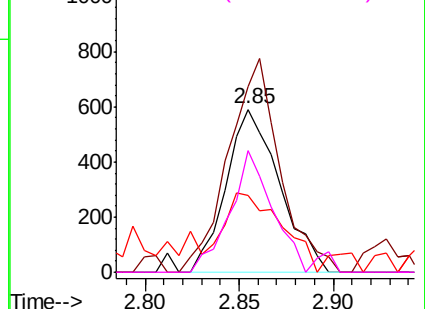


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.213 ug/l

RT: 4.70 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX005469.D

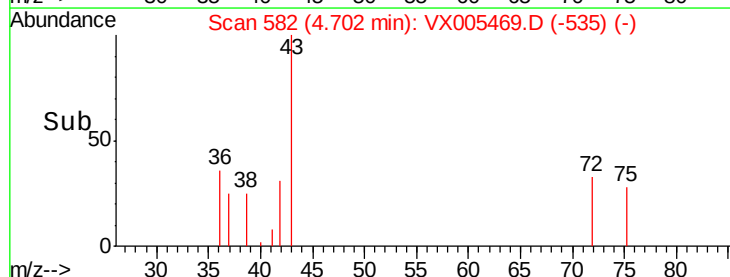
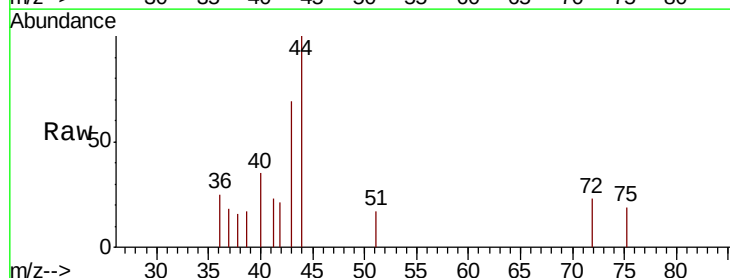
Acq: 22 Oct 2018 14:46

Tgt Ion: 43 Resp: 499

Ion Ratio Lower Upper

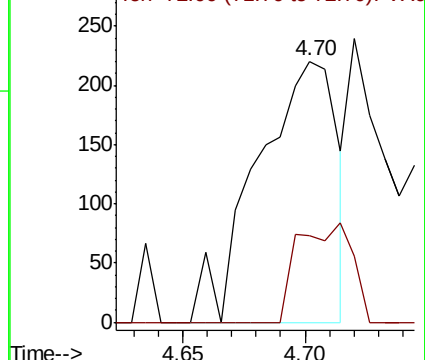
43 100

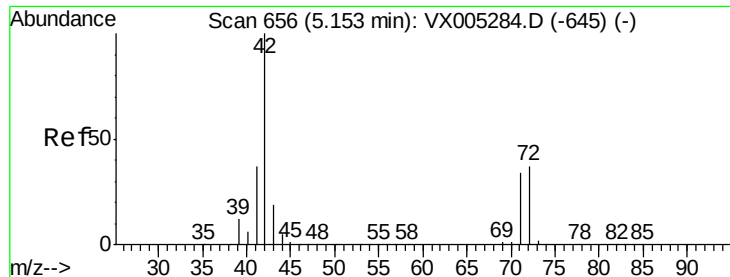
72 33.2 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.385 ug/l

RT: 5.18 min Scan# 661

Delta R.T. 0.03 min

Lab File: VX005469.D

Acq: 22 Oct 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

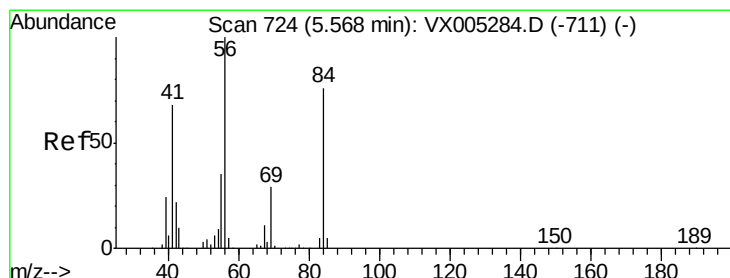
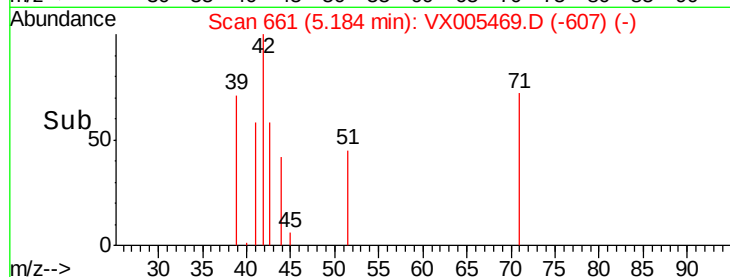
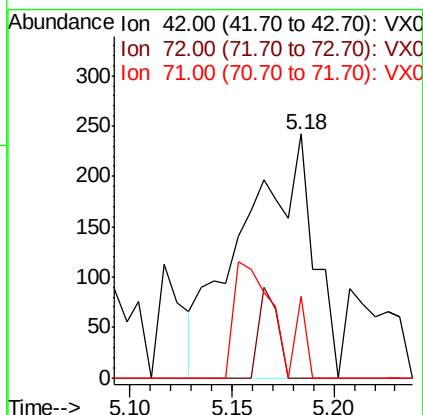
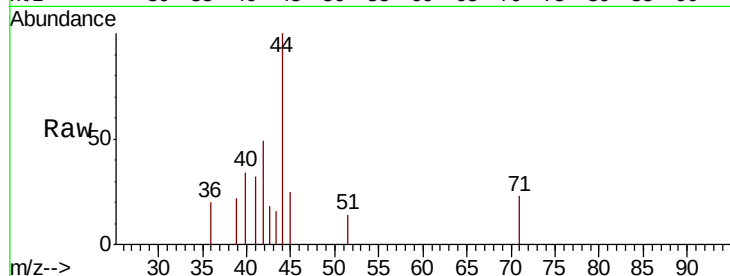
Tot Ion: 42 Resp: 576

Ion Ratio Lower Upper

42 100

72 0.0 37.4 56.0#

71 0.0 34.5 51.7#



#31

Cyclohexane

Concen: 1.194 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005469.D

Acq: 22 Oct 2018 14:46

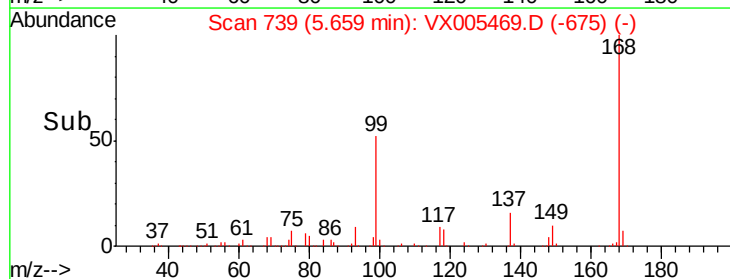
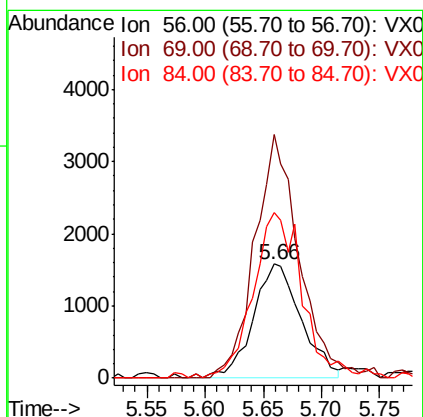
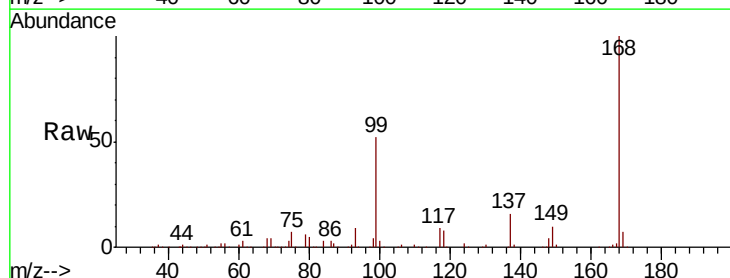
Tgt Ion: 56 Resp: 4544

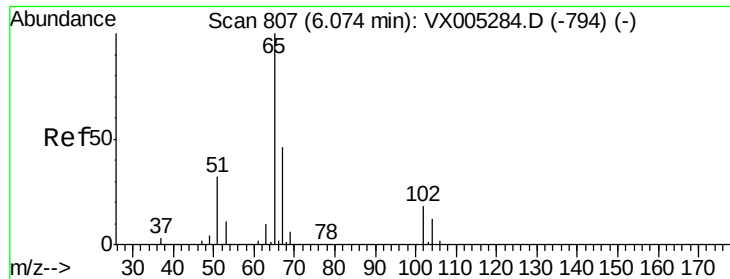
Ion Ratio Lower Upper

56 100

69 213.5 25.4 38.2#

84 145.7 71.4 107.2#

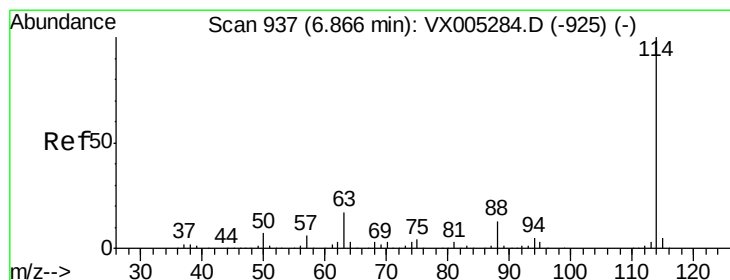
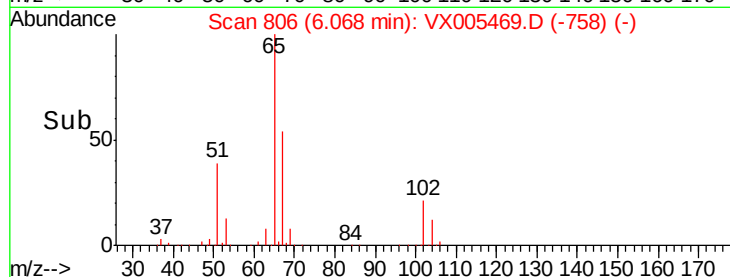
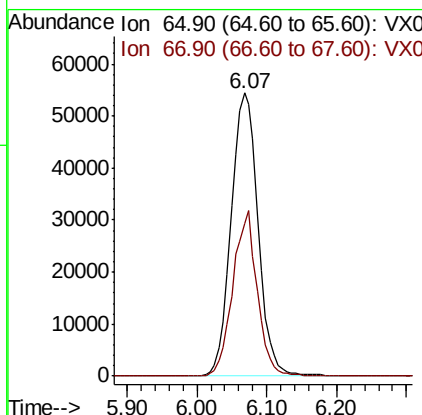
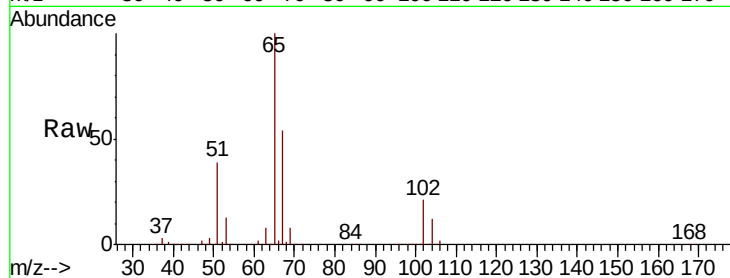




#33
 1,2-Dichloroethane-d4
 Concen: 52.626 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.01 min
 Lab File: VX005469.D
 Acq: 22 Oct 2018 14:46

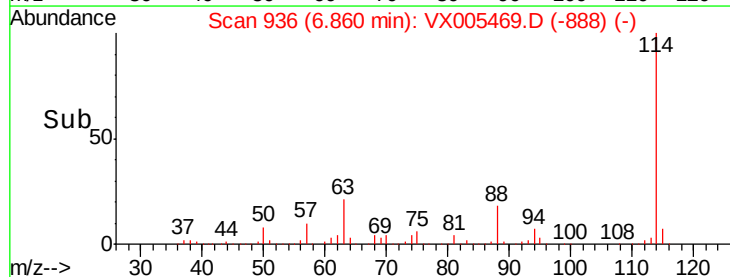
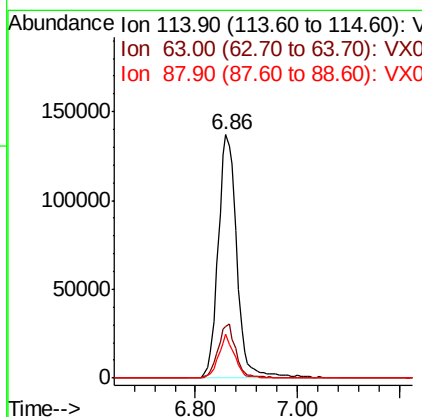
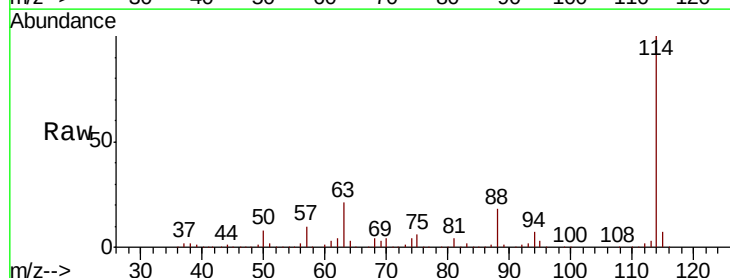
Instrument :
 MSVOA_X
 ClientSampleId :
 TRIP-BLANK

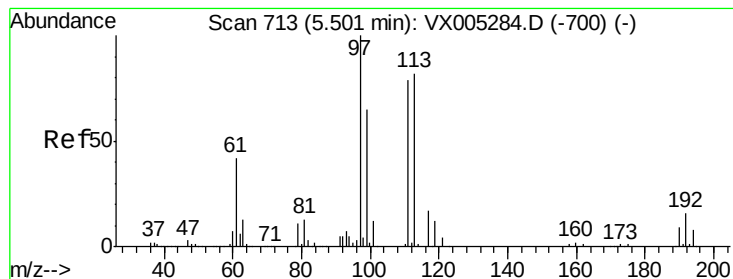
Tot Ion: 65 Resp: 145734
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005469.D
 Acq: 22 Oct 2018 14:46

Tgt Ion: 114 Resp: 350384
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 39.0
 88 18.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.023 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX005469.D

Acq: 22 Oct 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

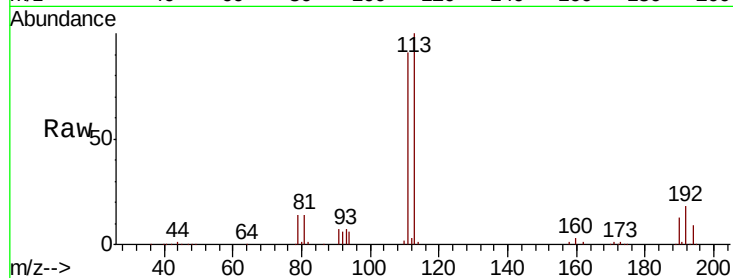
Tot Ion:113 Resp: 116088

Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

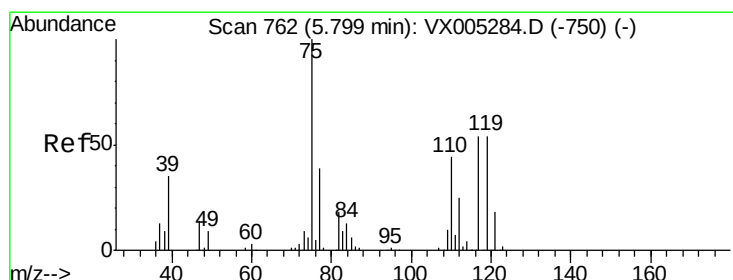
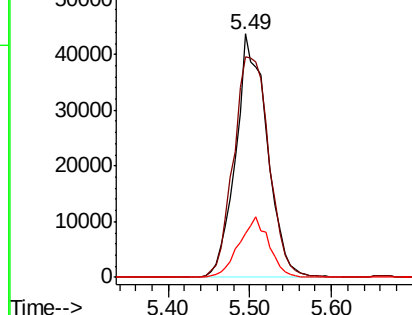
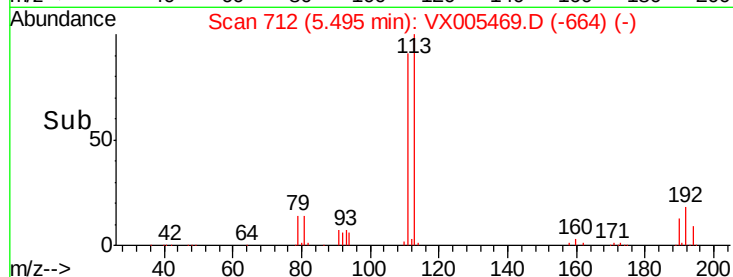
192 23.9 19.4 29.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.004 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX005469.D

Acq: 22 Oct 2018 14:46

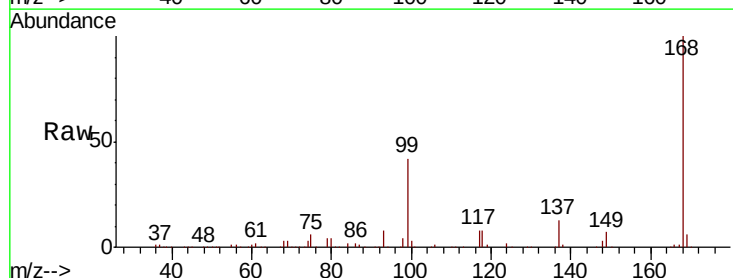
Tgt Ion: 75 Resp: 16980

Ion Ratio Lower Upper

75 100

110 8.6 18.0 54.0#

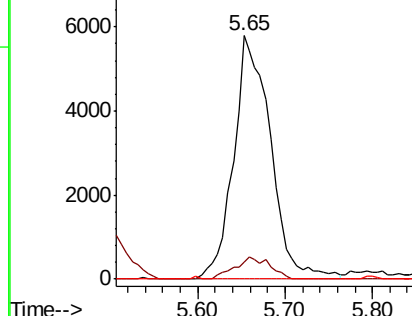
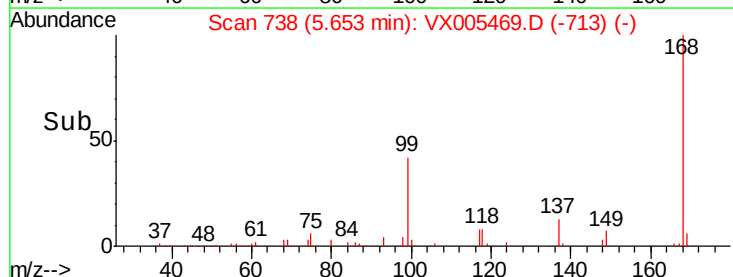
77 0.0 24.6 36.8#

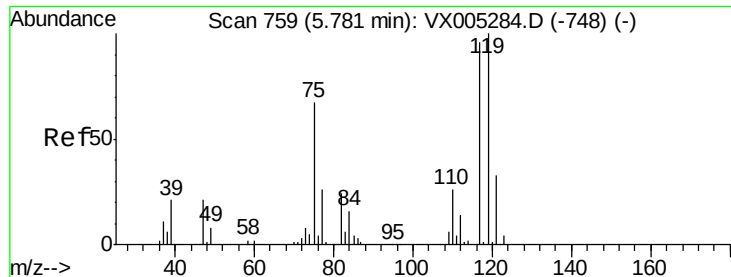


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.579 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005469.D

Acq: 22 Oct 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

TRIP-BLANK

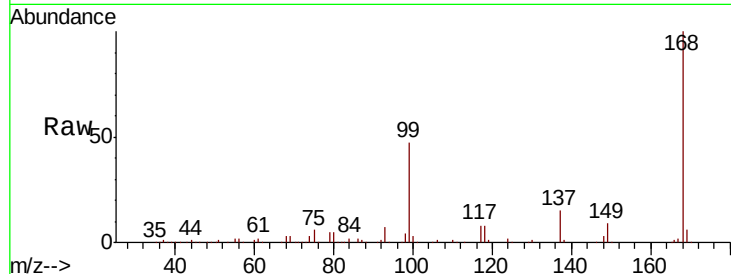
Tot Ion:117 Resp: 22432

Ion Ratio Lower Upper

117 100

119 6.3 78.8 118.2#

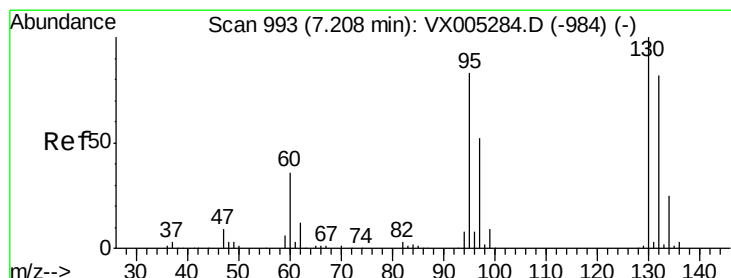
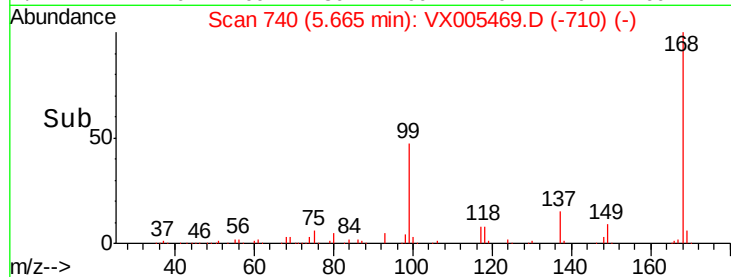
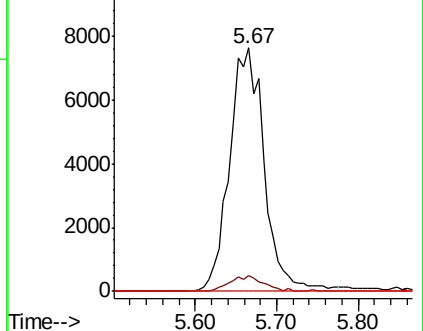
121 0.0 24.9 37.3#



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



#44

Trichloroethene

Concen: Below Cal

RT: 7.19 min Scan# 990

Delta R.T. -0.02 min

Lab File: VX005469.D

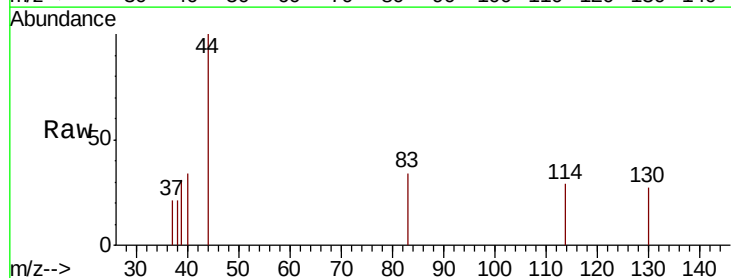
Acq: 22 Oct 2018 14:46

Tgt Ion:130 Resp: 52

Ion Ratio Lower Upper

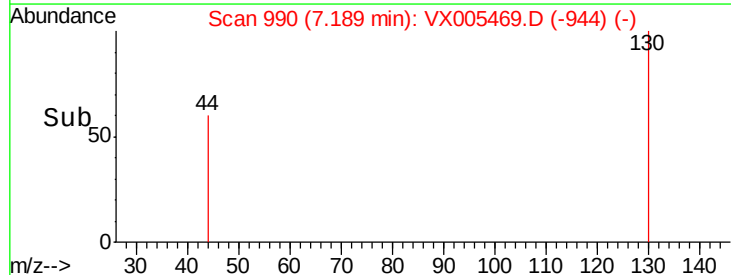
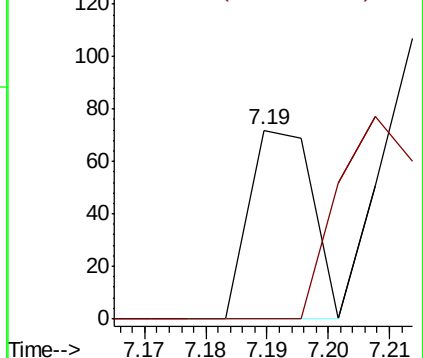
130 100

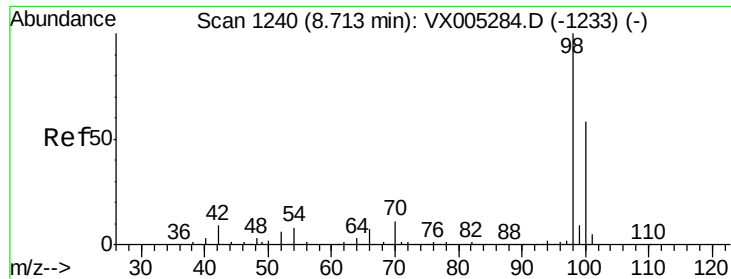
95 0.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

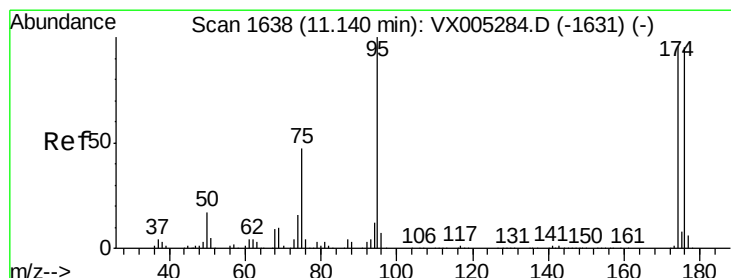
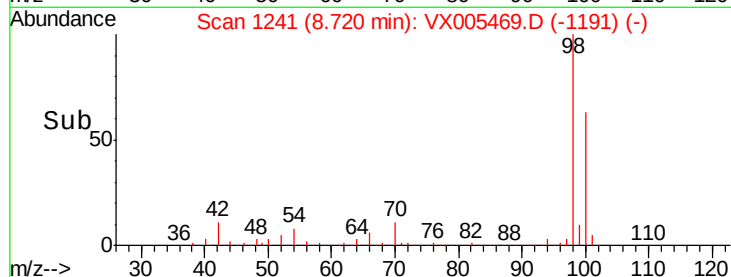
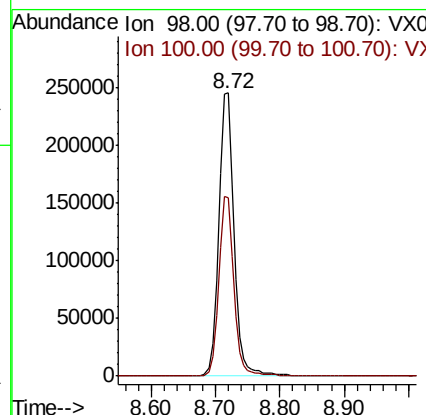
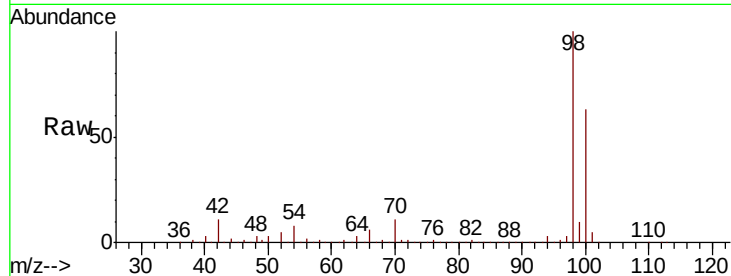




#50
Toluene-d8
Concen: 51.683 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VX005469.D
Acq: 22 Oct 2018 14:46

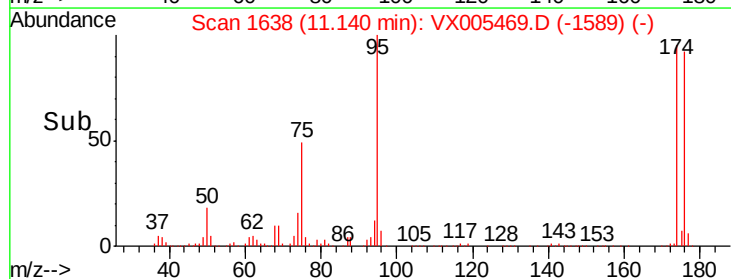
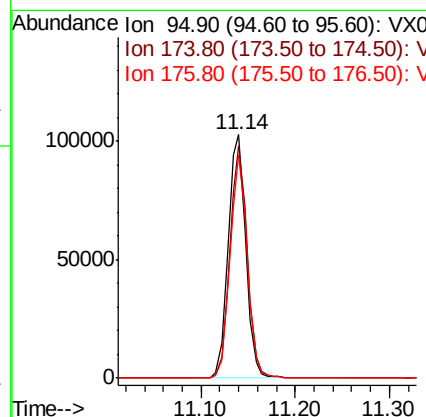
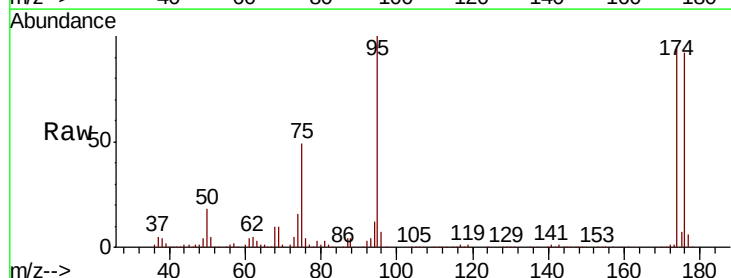
Instrument :
MSVOA_X
ClientSampled :
TRIP-BLANK

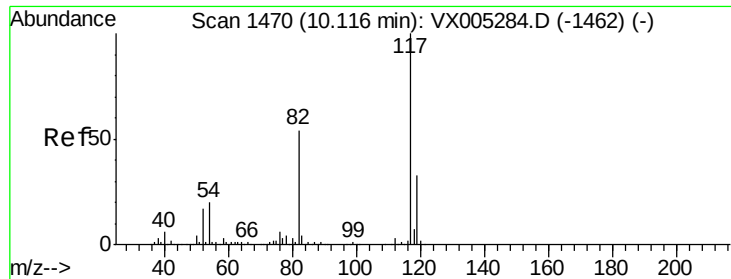
Tot Ion: 98 Resp: 411760
Ion Ratio Lower Upper
98 100
100 62.8 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 44.364 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005469.D
Acq: 22 Oct 2018 14:46

Tgt Ion: 95 Resp: 132778
Ion Ratio Lower Upper
95 100
174 94.2 0.0 185.2
176 89.6 0.0 178.6

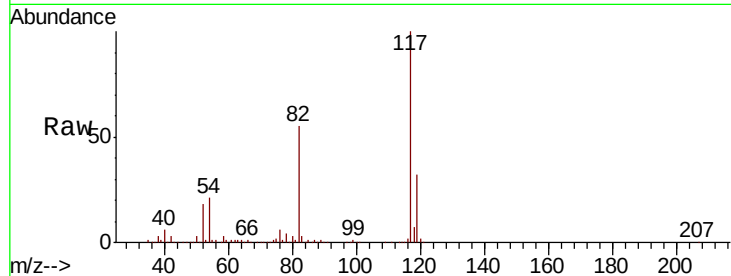




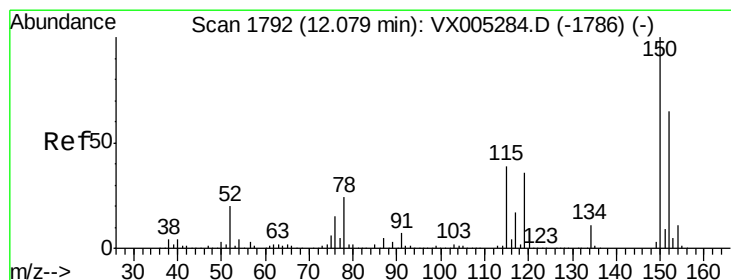
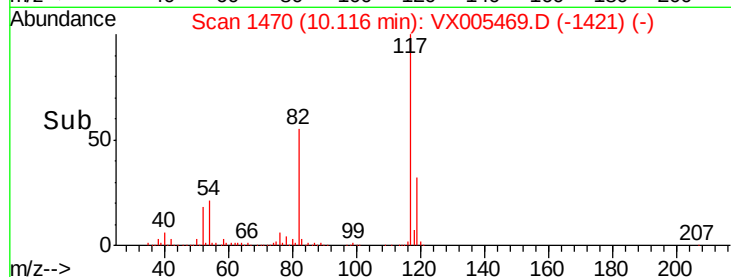
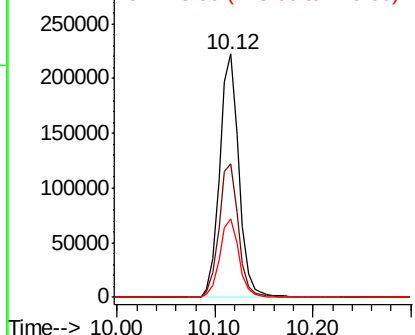
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005469.D
Acq: 22 Oct 2018 14:46

Instrument :
MSVOA_X
ClientSampleId :
TRIP-BLANK

Tot Ion:117 Resp: 303990
Ion Ratio Lower Upper
117 100
82 54.9 47.8 71.6
119 32.4 29.3 43.9

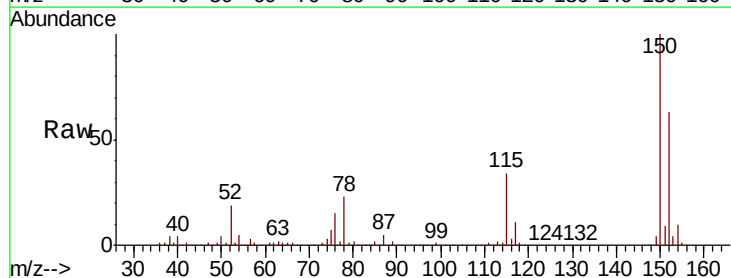


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

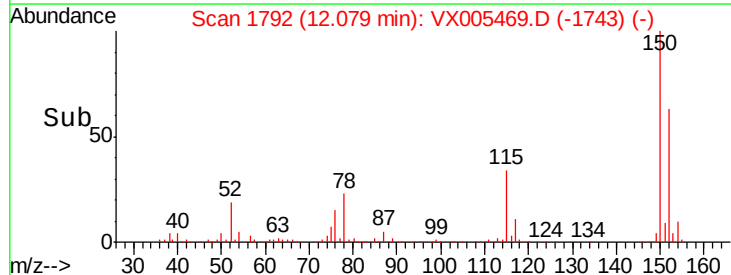
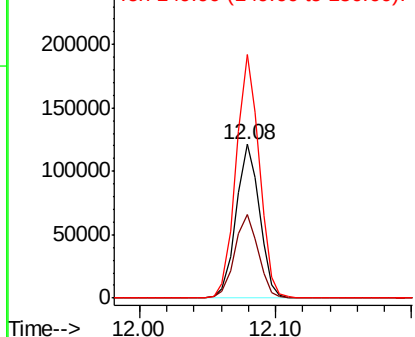


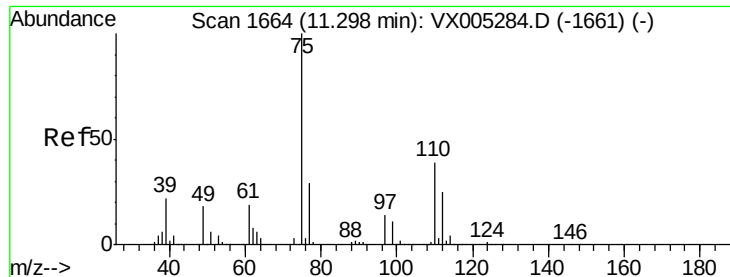
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005469.D
Acq: 22 Oct 2018 14:46

Tgt Ion:152 Resp: 145551
Ion Ratio Lower Upper
152 100
115 54.8 39.0 117.0
150 157.6 0.0 351.0



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





#76

1,2,3-Trichloropropane

Concen: 23.919 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005469.D

Acq: 22 Oct 2018 14:46

Instrument :

MSVOA_X

ClientSampleId :

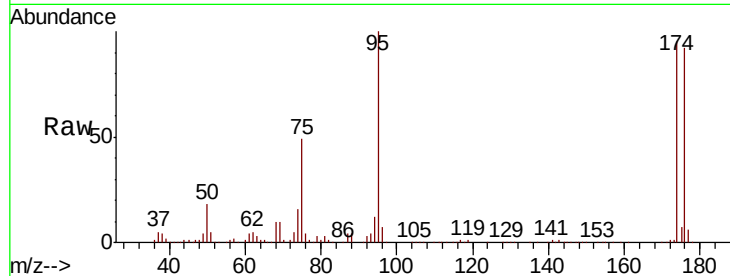
TRIP-BLANK

Tot Ion: 75 Resp: 67530

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.14

50000

40000

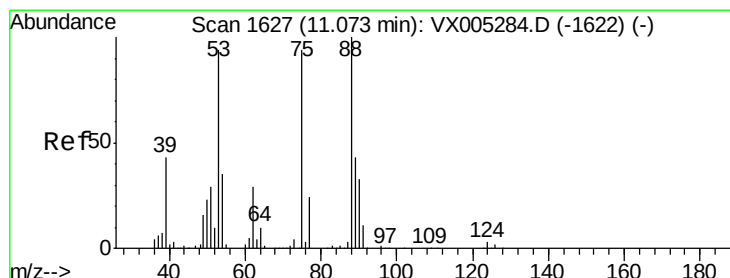
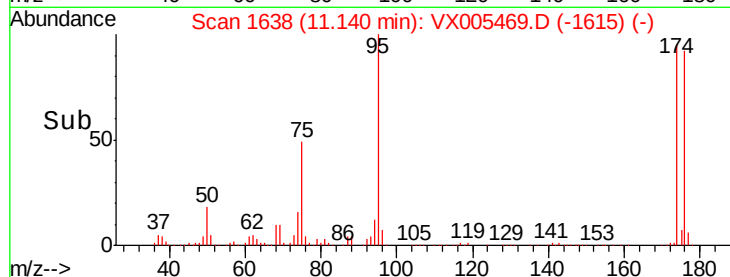
30000

20000

10000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 72.677 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005469.D

Acq: 22 Oct 2018 14:46

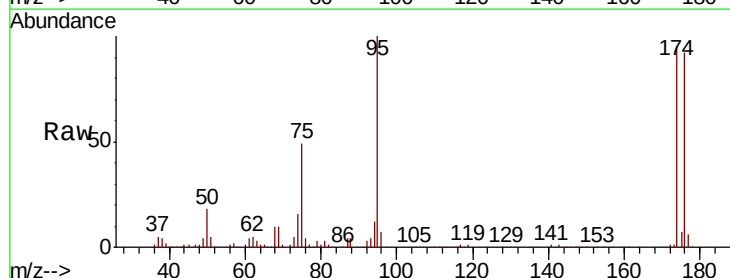
Tgt Ion: 75 Resp: 67530

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

11.14

60000

40000

20000

0

Time-->

