

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052820\
 Data File : VX016495.D
 Acq On : 28 May 2020 18:56
 Operator : JC/SP
 Sample : L2777-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-DUP-0560-200526

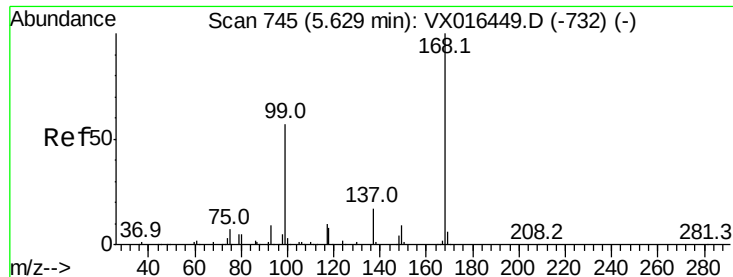
Quant Time: May 29 03:40:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	289779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	474342	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	471852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	241656	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	173532	48.22	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.44%		
35) Dibromofluoromethane	5.46	113	137197	46.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	93.94%		
50) Toluene-d8	8.70	98	586400	51.58	ug/l	0.00
Spiked Amount 50.000			Recovery =	103.16%		
62) 4-Bromofluorobenzene	11.12	95	238719	54.35	ug/l	0.00
Spiked Amount 50.000			Recovery =	108.70%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	985	0.286	ug/l #	86
4) Vinyl Chloride	1.39	62	1612	0.442	ug/l #	80
11) Tert butyl alcohol	3.01	59	643	0.697	ug/l	94
13) Acrolein	2.28	56	617	1.572	ug/l #	42
16) Acetone	2.42	43	8852	5.614	ug/l	95
17) Carbon Disulfide	2.55	76	3285	0.397	ug/l #	84
25) 2-Butanone	4.65	43	3072	1.150	ug/l #	86
27) cis-1,2-Dichloroethene	4.57	96	3210	0.900	ug/l	76
31) Cyclohexane	5.64	56	5748	1.149	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	21100	4.698	ug/l #	51
38) Carbon Tetrachloride	5.64	117	28045	5.942	ug/l #	16
52) Toluene	8.77	92	19046	2.258	ug/l	95
60) Dibromochloromethane	9.32	129	932	0.247	ug/l #	11
76) 1,2,3-Trichloropropane	11.12	75	117138	22.053	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	117138	54.246	ug/l #	14

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016495.D

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MSVOA_X

ClientSampleId :

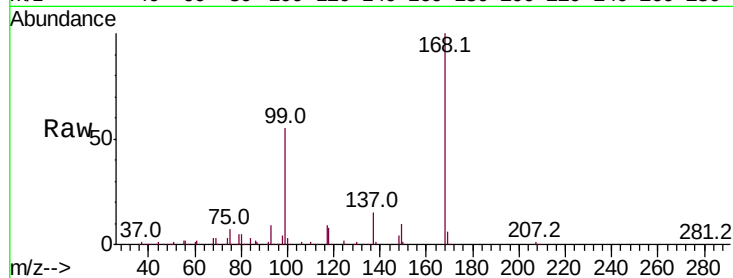
Z2-DUP-0560-200526

Tot Ion:168 Resp: 289779

Ion Ratio Lower Upper

168 100

99 55.4 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

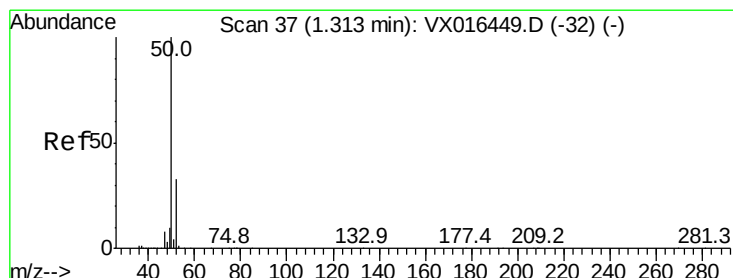
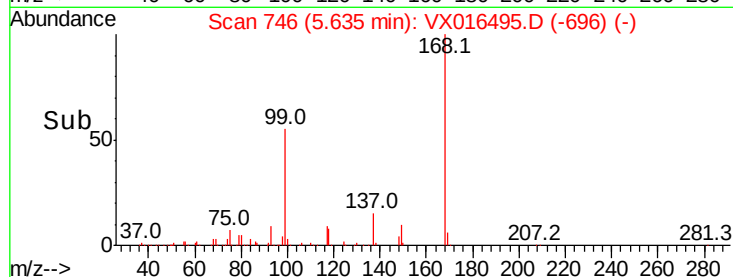
20000

0

5.50 5.60 5.70

5.64

Time-->



#3

Chloromethane

Concen: 0.286 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016495.D

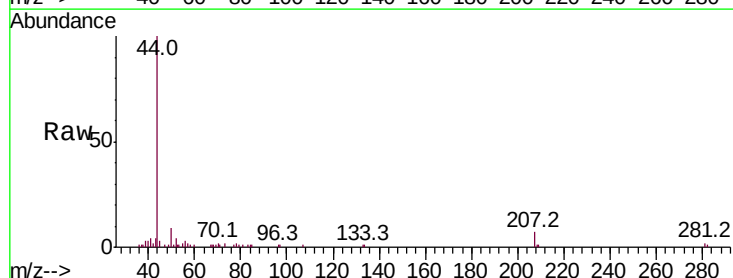
Acq: 28 May 2020 18:56

Tgt Ion: 50 Resp: 985

Ion Ratio Lower Upper

50 100

52 40.8 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

800

600

400

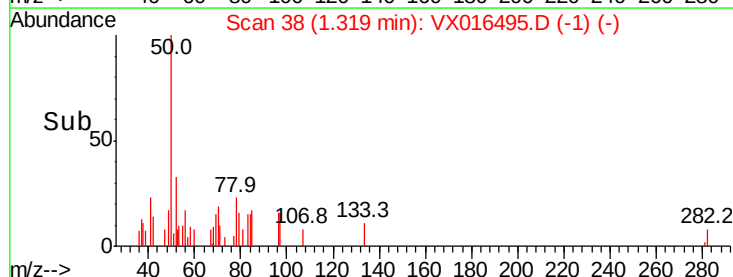
200

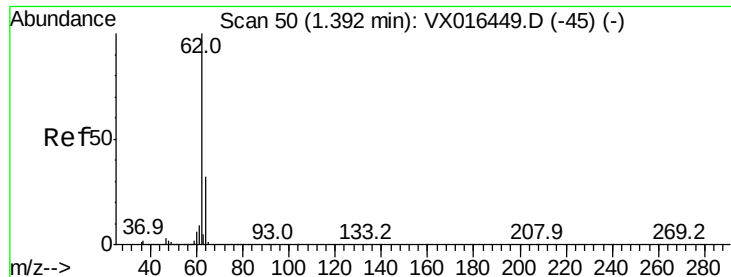
0

1.30 1.35

1.32

Time-->





#4

Vinyl Chloride

Concen: 0.442 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016495.D

Acq: 28 May 2020 18:56

Instrument :

MSVOA_X

ClientSampleId :

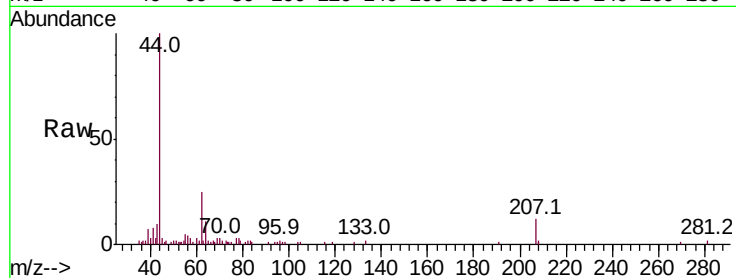
Z2-DUP-0560-200526

Tot Ion: 62 Resp: 1612

Ion Ratio Lower Upper

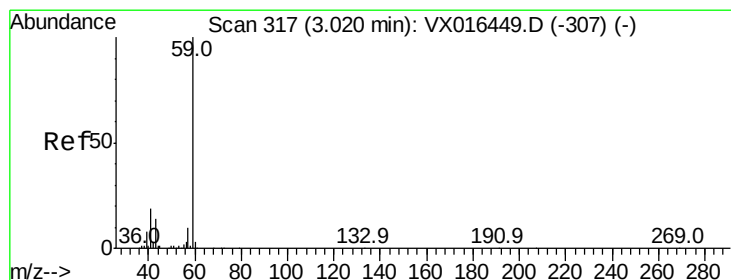
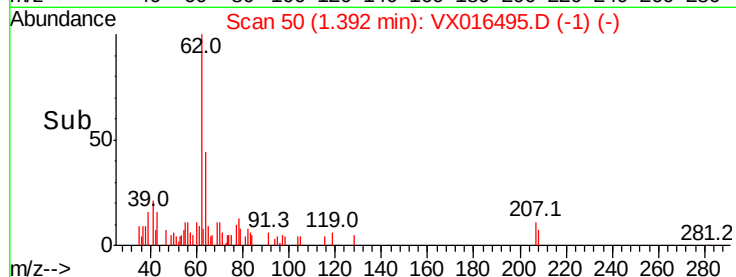
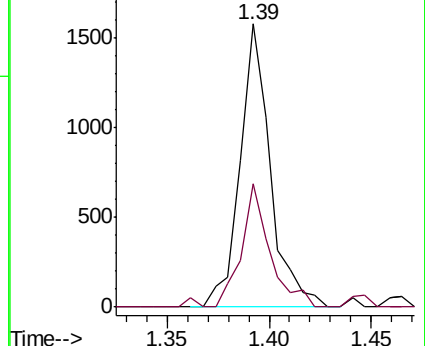
62 100

64 43.7 25.9 38.9#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



#11

Tert butyl alcohol

Concen: 0.697 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016495.D

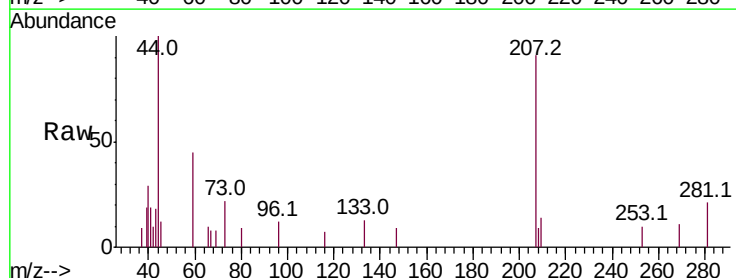
Acq: 28 May 2020 18:56

Tgt Ion: 59 Resp: 643

Ion Ratio Lower Upper

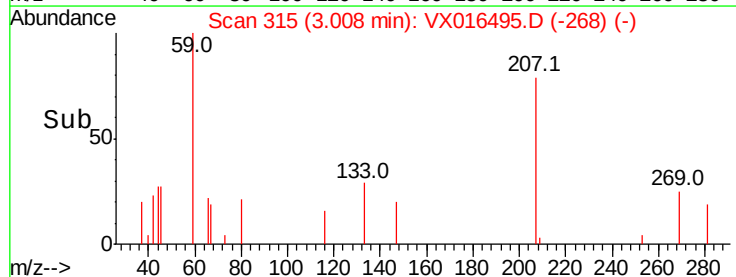
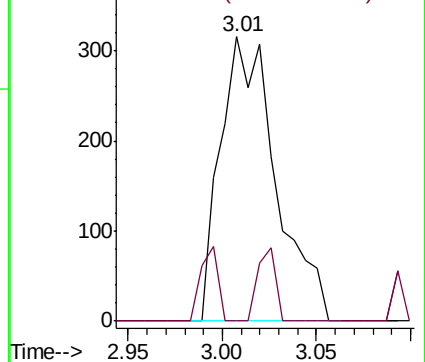
59 100

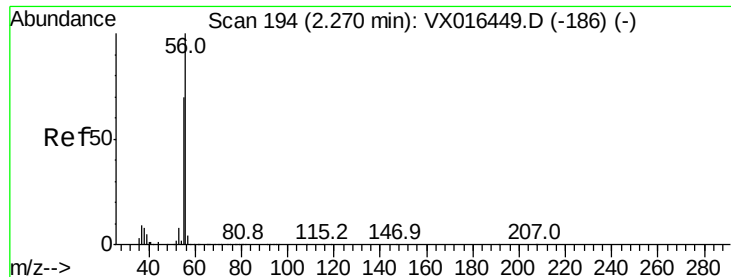
57 8.2 8.2 12.4



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 1.572 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX016495.D

Acq: 28 May 2020 18:56

Instrument :

MSVOA_X

ClientSampleId :

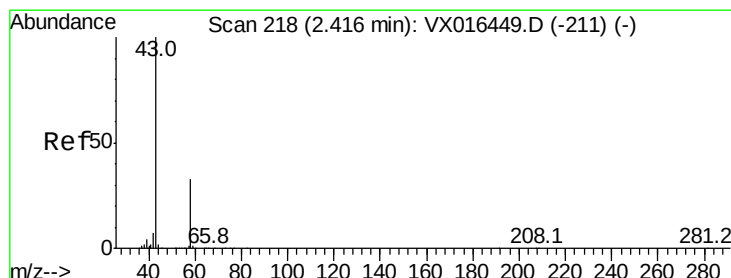
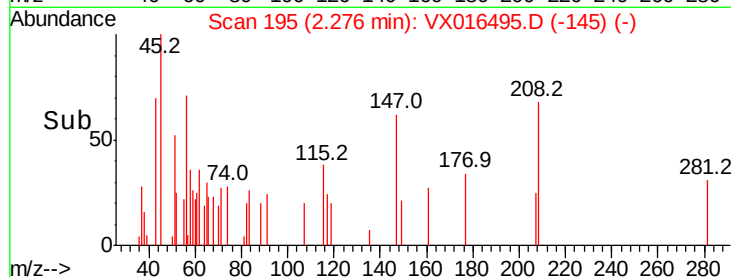
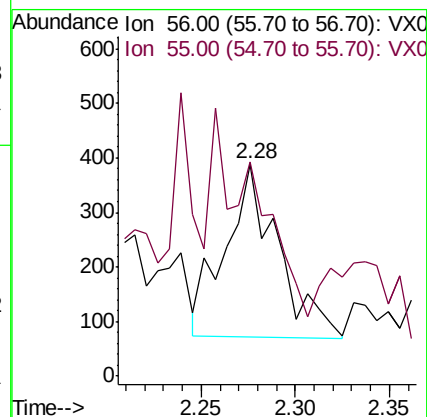
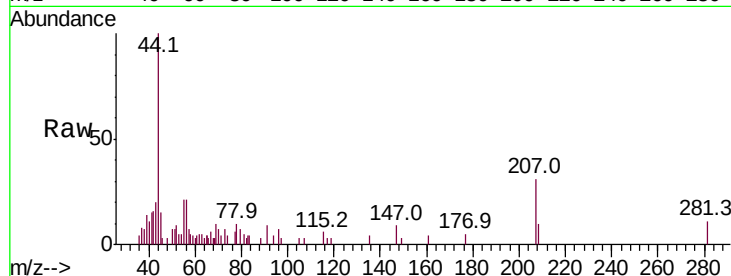
Z2-DUP-0560-200526

Tot Ion: 56 Resp: 617

Ion Ratio Lower Upper

56 100

55 24.5 58.3 87.5#



#16

Acetone

Concen: 5.614 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016495.D

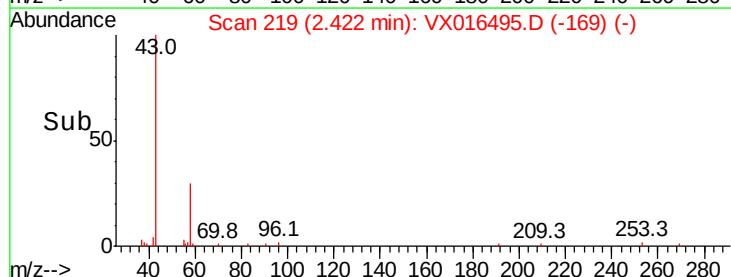
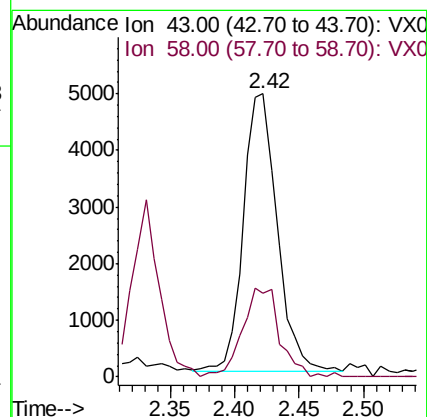
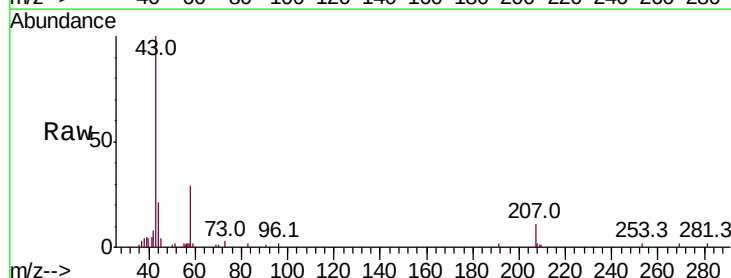
Acq: 28 May 2020 18:56

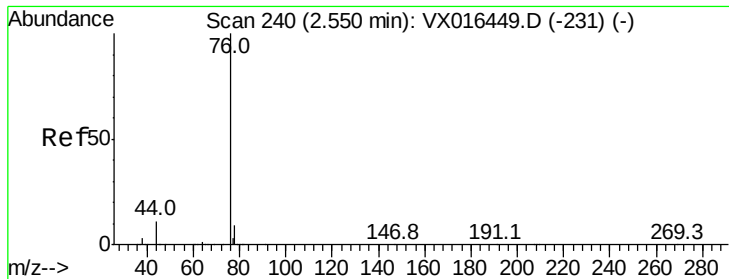
Tgt Ion: 43 Resp: 8852

Ion Ratio Lower Upper

43 100

58 30.1 26.1 39.1





#17

Carbon Disulfide

Concen: 0.397 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016495.D

Acq: 28 May 2020 18:56

Instrument :

MSVOA_X

ClientSampleId :

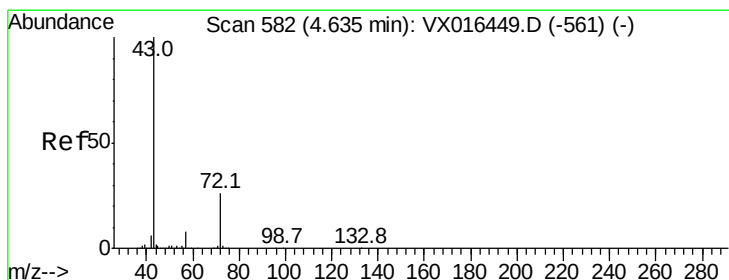
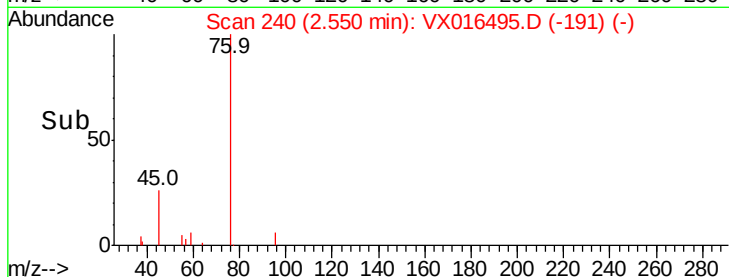
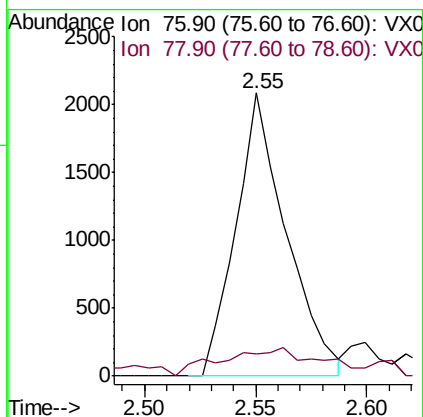
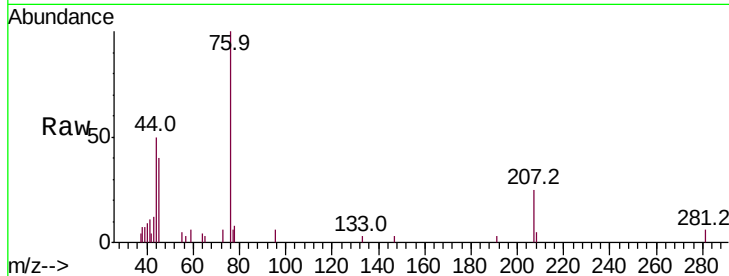
Z2-DUP-0560-200526

Tot Ion: 76 Resp: 3285

Ion Ratio Lower Upper

76 100

78 3.3 7.4 11.0#



#25

2-Butanone

Concen: 1.150 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016495.D

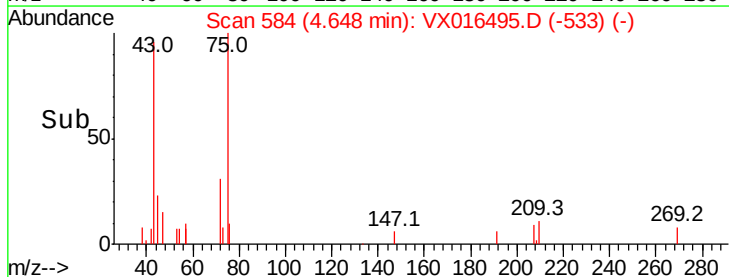
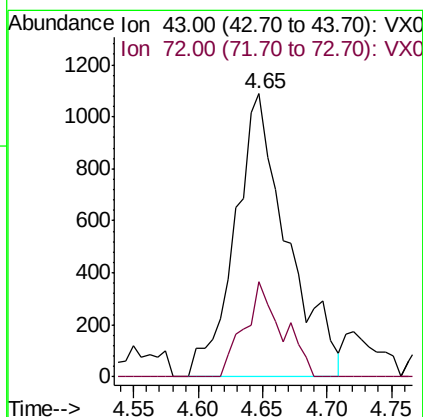
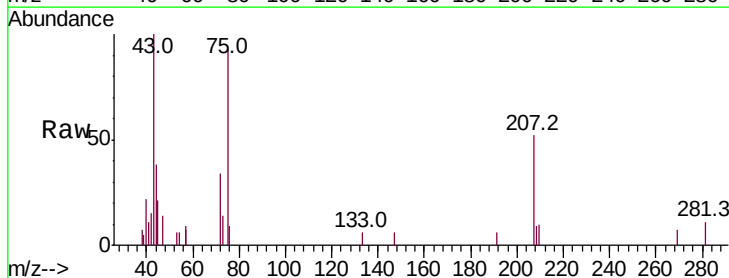
Acq: 28 May 2020 18:56

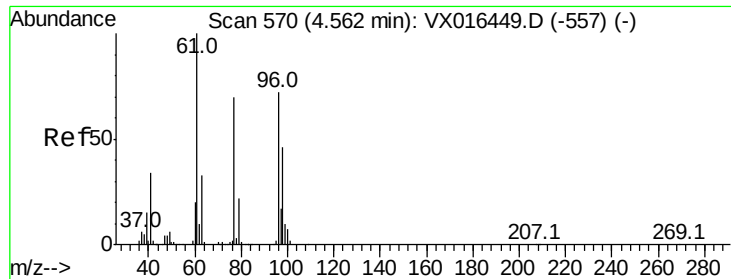
Tgt Ion: 43 Resp: 3072

Ion Ratio Lower Upper

43 100

72 33.6 21.0 31.6#



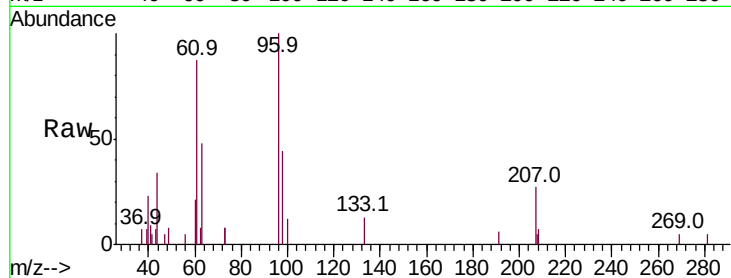


#27

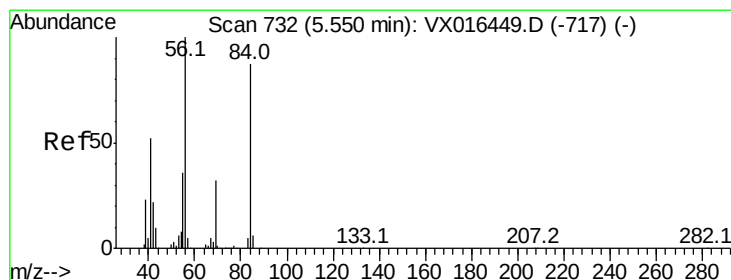
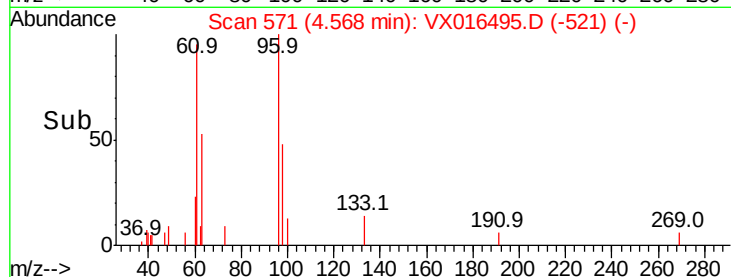
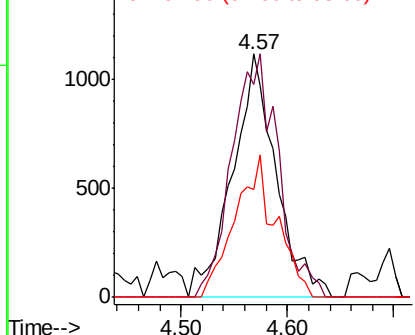
cis-1,2-Dichloroethene
Concen: 0.900 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX016495.D
Acq: 28 May 2020 18:56

Instrument :
MSVOA_X
ClientSampleId :
Z2-DUP-0560-200526

Tot Ion: 96 Resp: 3210
Ion Ratio Lower Upper
96 100
61 105.0 0.0 284.6
98 54.9 0.0 127.2



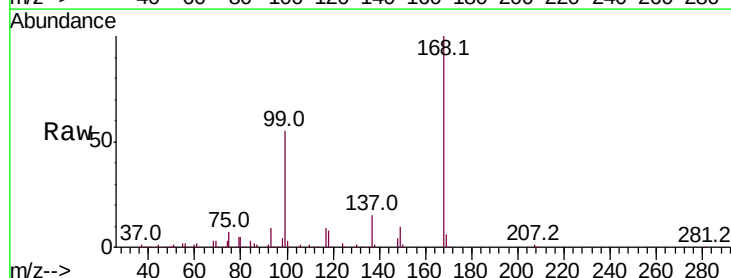
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



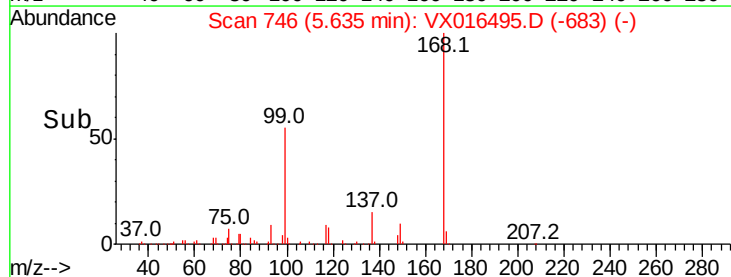
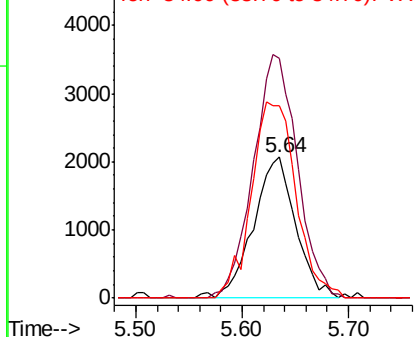
#31

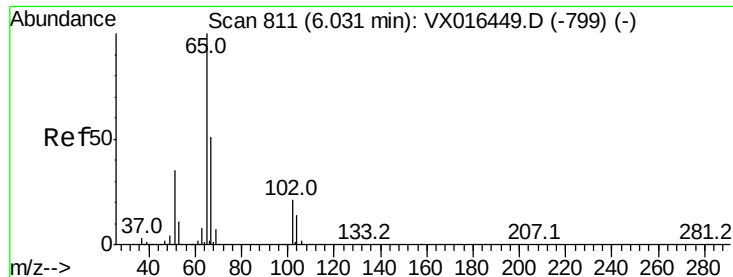
Cyclohexane
Concen: 1.149 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016495.D
Acq: 28 May 2020 18:56

Tgt Ion: 56 Resp: 5748
Ion Ratio Lower Upper
56 100
69 169.8 25.7 38.5#
84 136.3 70.0 105.0#



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





#33

1,2-Dichloroethane-d4

Concen: 48.221 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016495.D

Acq: 28 May 2020 18:56

Instrument :

MSVOA_X

ClientSampleId :

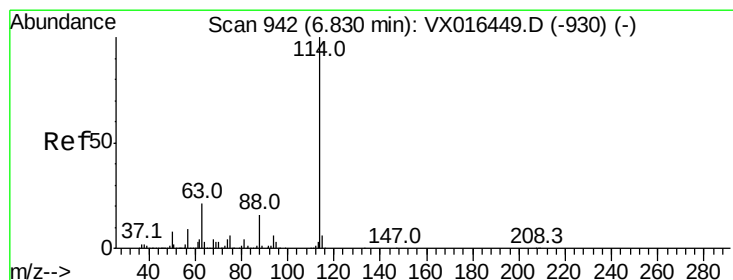
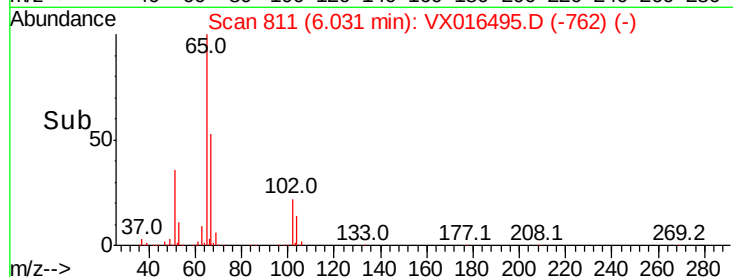
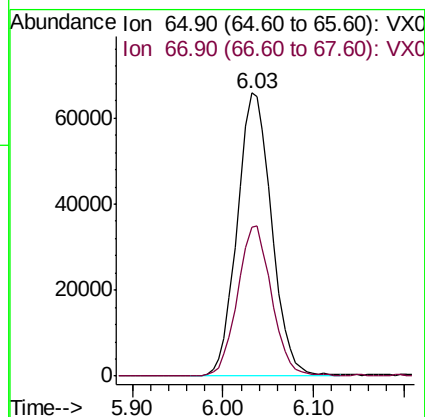
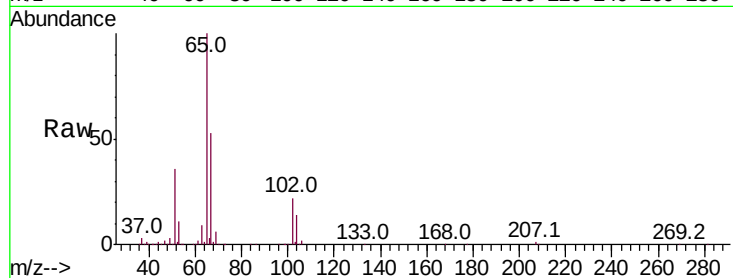
Z2-DUP-0560-200526

Tot Ion: 65 Resp: 173532

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016495.D

Acq: 28 May 2020 18:56

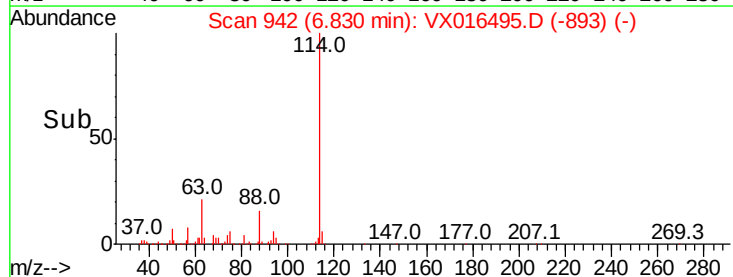
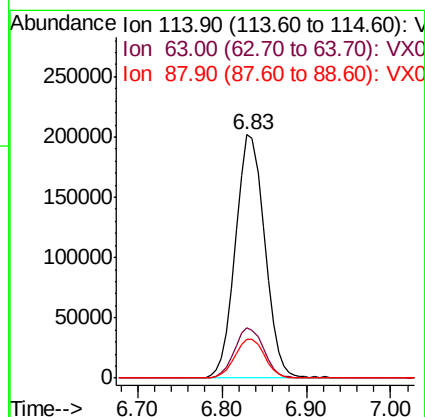
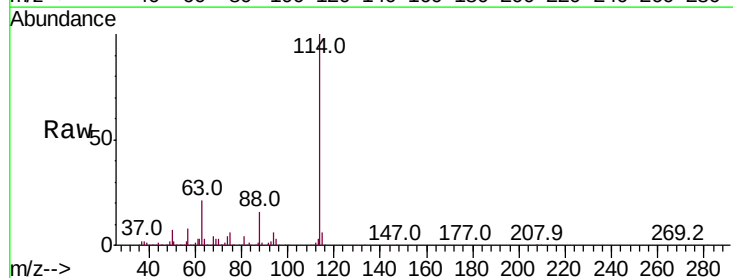
Tgt Ion: 114 Resp: 474342

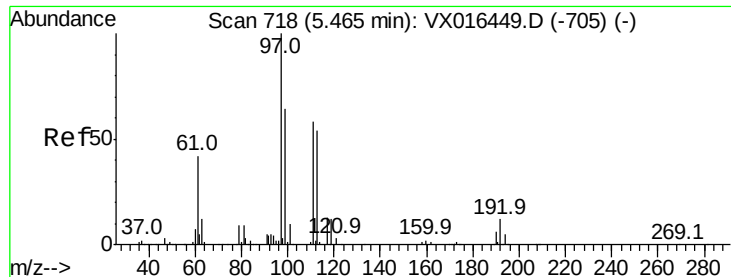
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

88 16.2 0.0 32.8

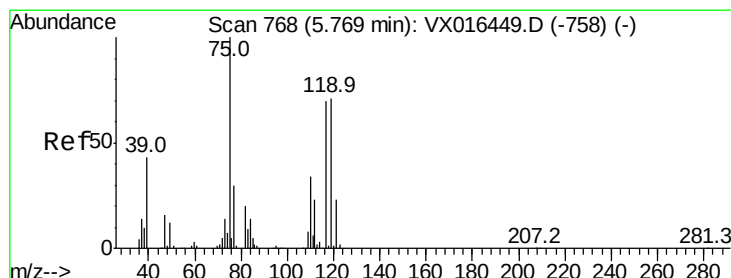
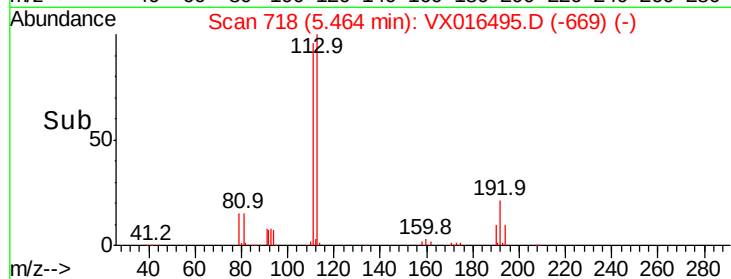
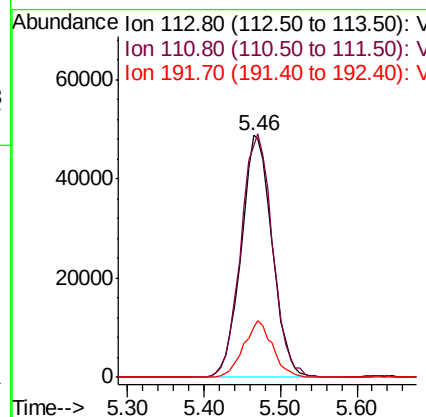
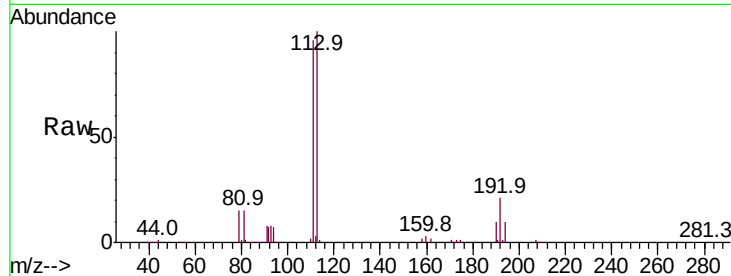




#35
 Dibromofluoromethane
 Concen: 46.973 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX016495.D
 Acq: 28 May 2020 18:56

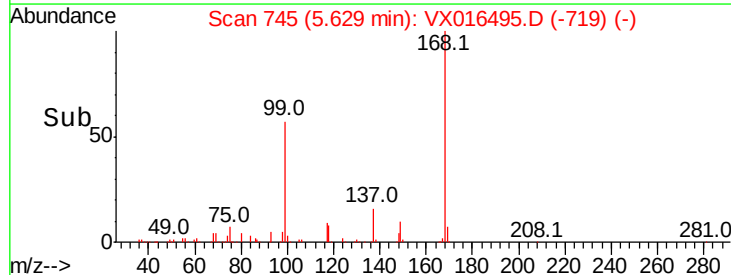
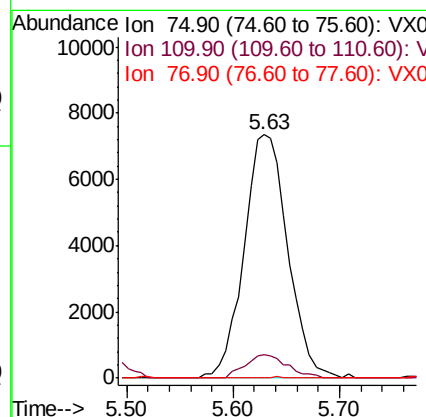
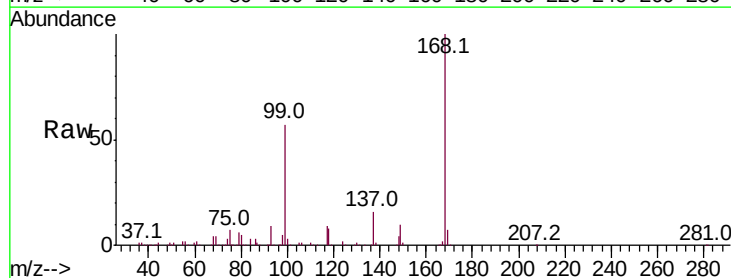
Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-DUP-0560-200526

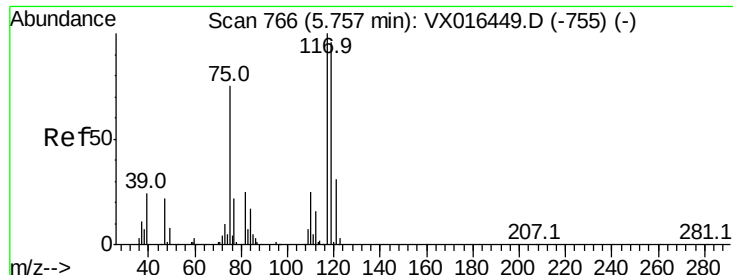
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	83.0	124.6
192	21.9	17.7	26.5



#36
 1,1-Dichloropropene
 Concen: 4.698 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016495.D
 Acq: 28 May 2020 18:56

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	17.4	52.3#
77	0.1	24.2	36.4#

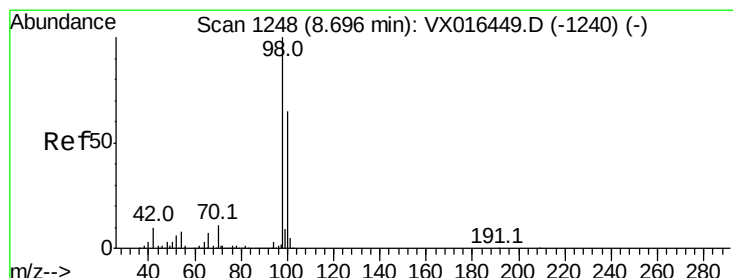
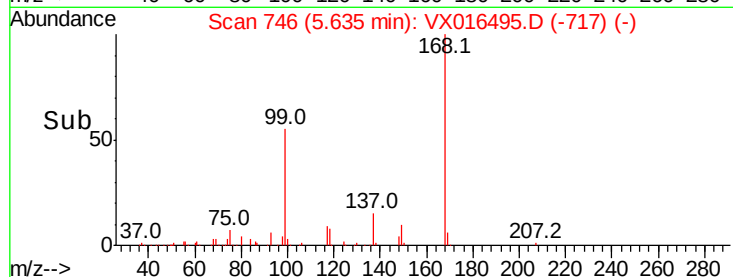
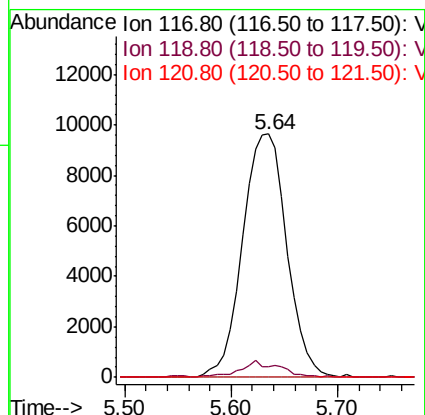
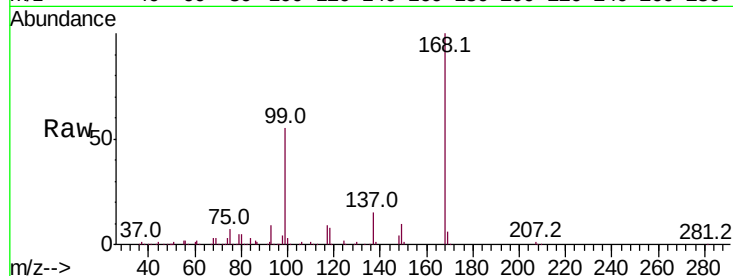




#38
Carbon Tetrachloride
Concen: 5.942 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.12 min
Lab File: VX016495.D
Acq: 28 May 2020 18:56

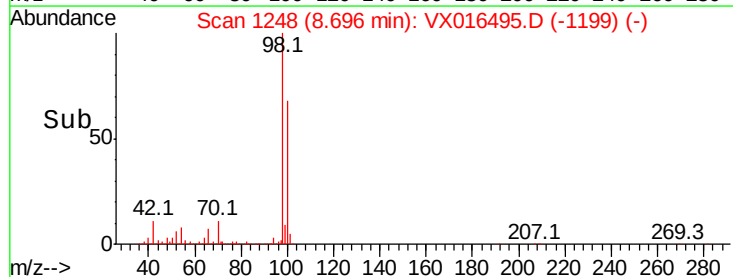
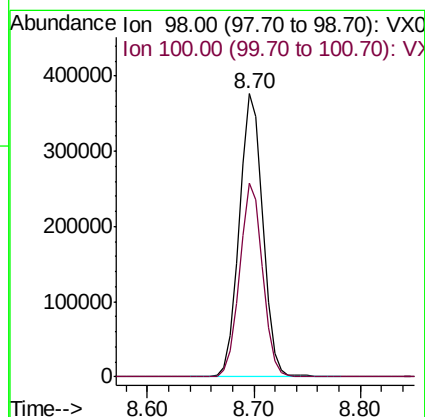
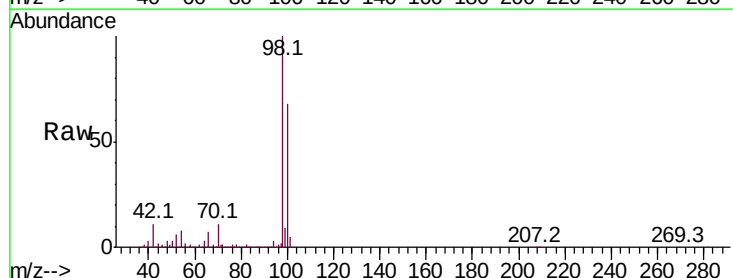
Instrument :
MSVOA_X
ClientSampleId :
Z2-DUP-0560-200526

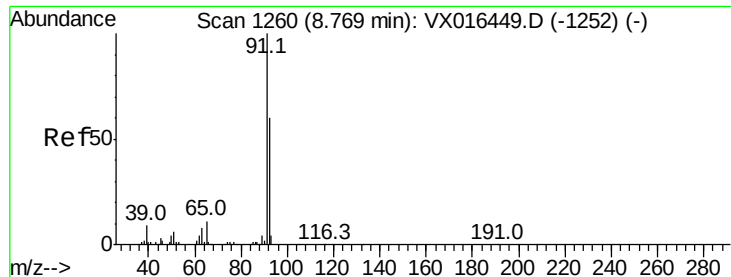
Tot Ion:117 Resp: 28045
Ion Ratio Lower Upper
117 100
119 4.2 76.3 114.5#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 51.583 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016495.D
Acq: 28 May 2020 18:56

Tgt Ion: 98 Resp: 586400
Ion Ratio Lower Upper
98 100
100 67.2 53.8 80.6





#52

Toluene

Concen: 2.258 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016495.D

Acq: 28 May 2020 18:56

Instrument :

MSVOA_X

ClientSampleId :

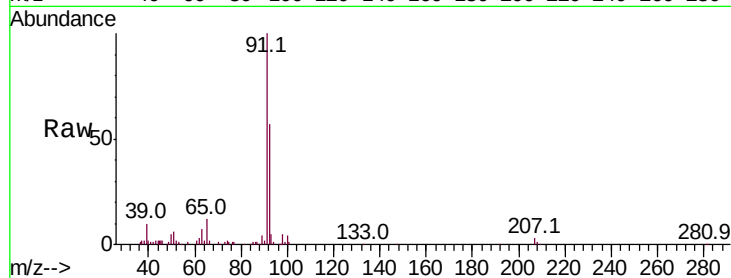
Z2-DUP-0560-200526

Tot Ion: 92 Resp: 19046

Ion Ratio Lower Upper

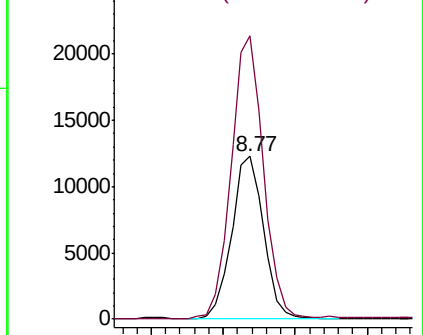
92 100

91 175.9 135.0 202.4

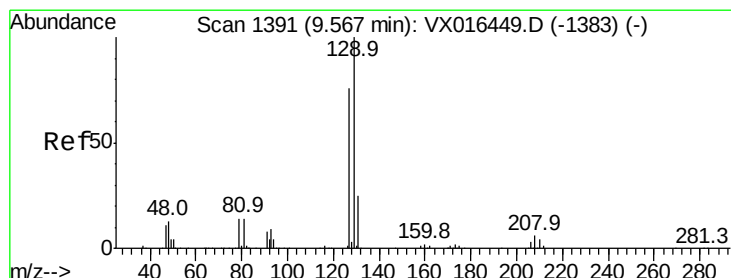
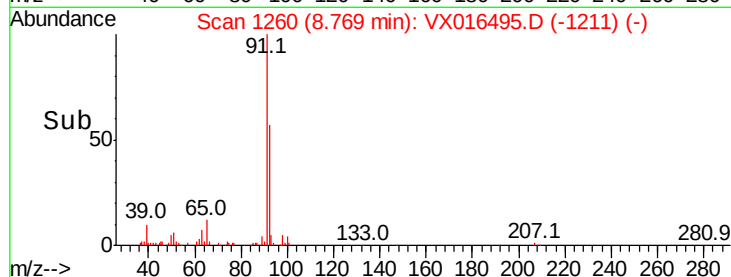


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->



#60

Dibromochloromethane

Concen: 0.247 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. -0.24 min

Lab File: VX016495.D

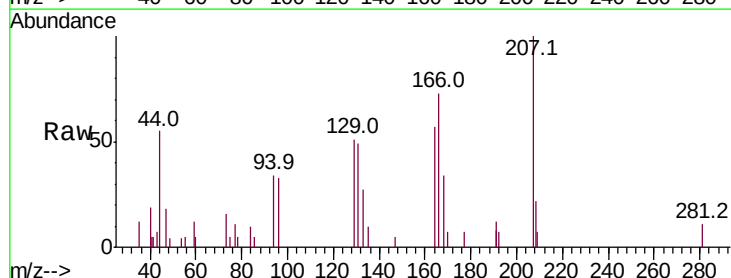
Acq: 28 May 2020 18:56

Tgt Ion:129 Resp: 932

Ion Ratio Lower Upper

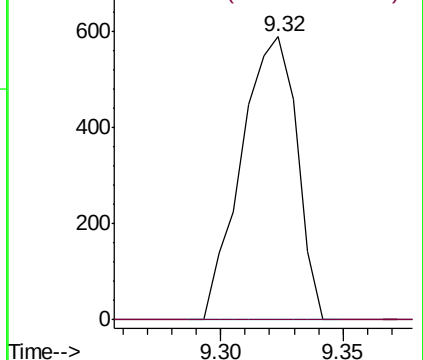
129 100

127 0.0 38.6 116.0#

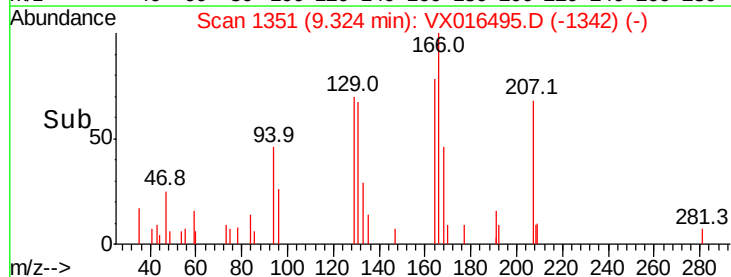


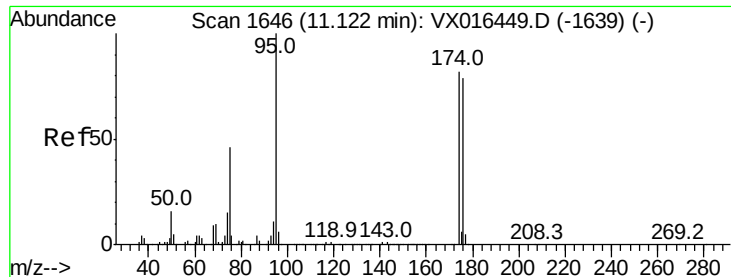
Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



Time-->





#62

4-Bromofluorobenzene

Concen: 54.345 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016495.D

Acq: 28 May 2020 18:56

Instrument :

MSVOA_X

ClientSampleId :

Z2-DUP-0560-200526

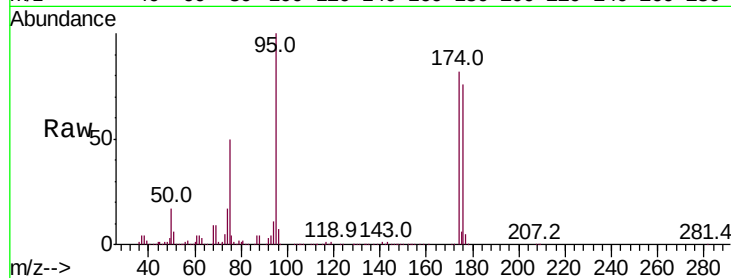
Tot Ion: 95 Resp: 238719

Ion Ratio Lower Upper

95 100

174 81.3 0.0 163.0

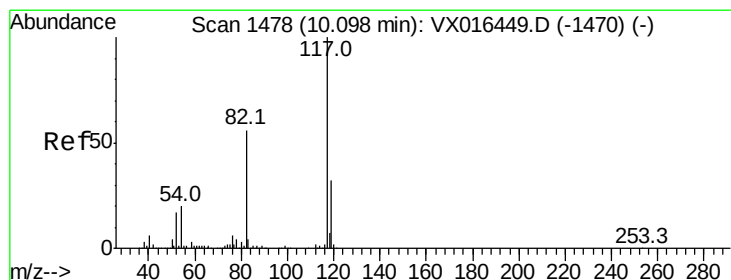
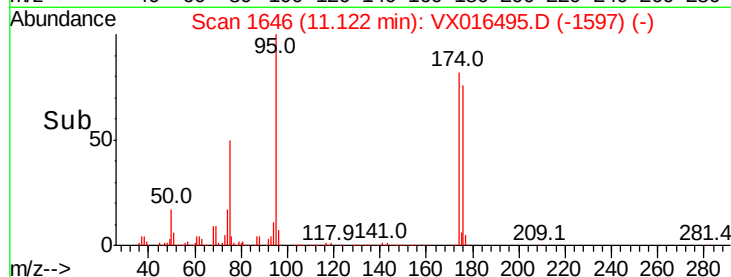
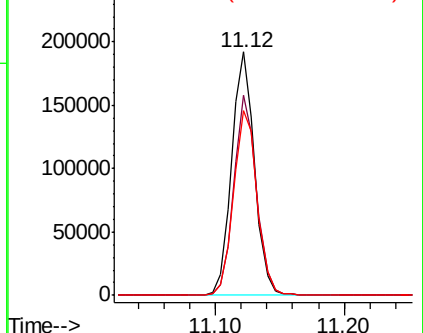
176 78.3 0.0 156.8



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



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016495.D

Acq: 28 May 2020 18:56

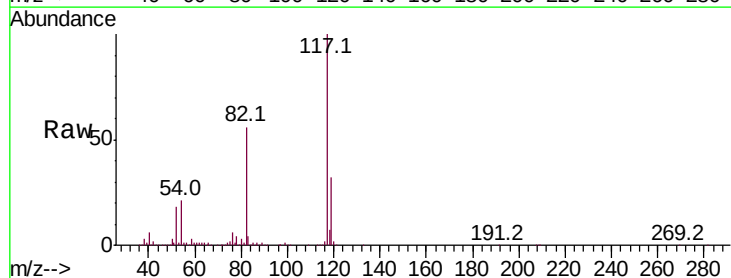
Tgt Ion: 117 Resp: 471852

Ion Ratio Lower Upper

117 100

82 56.0 45.0 67.6

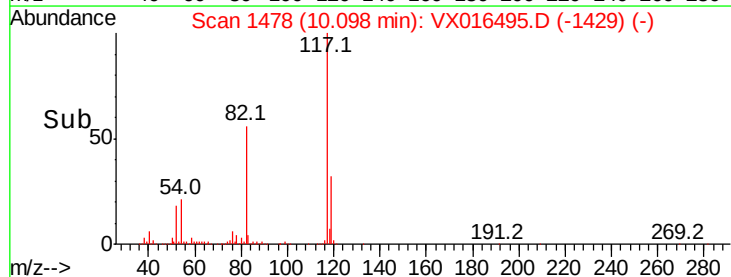
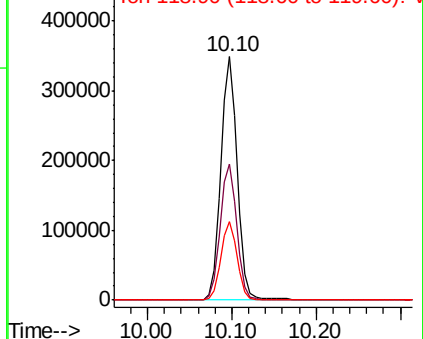
119 32.2 25.8 38.8

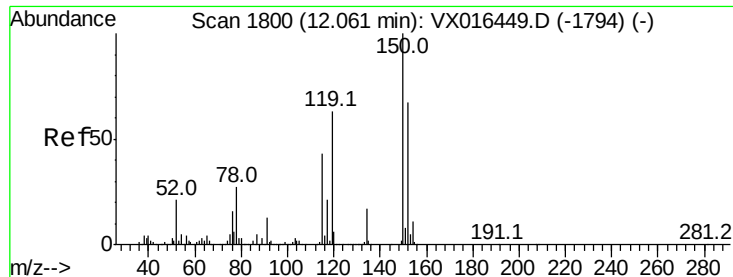


Abundance Ion 116.90 (116.60 to 117.60): V

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: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016495.D

Acq: 28 May 2020 18:56

Instrument :

MSVOA_X

ClientSampleId :

Z2-DUP-0560-200526

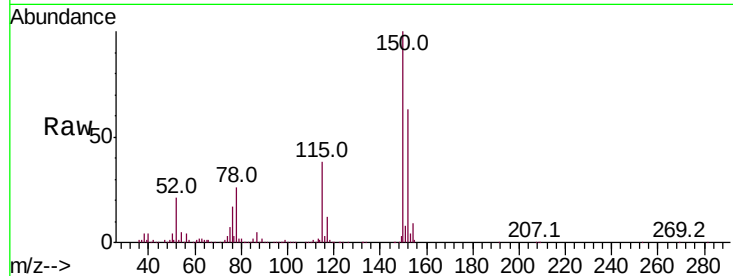
Tot Ion:152 Resp: 241656

Ion Ratio Lower Upper

152 100

115 58.6 39.9 119.6

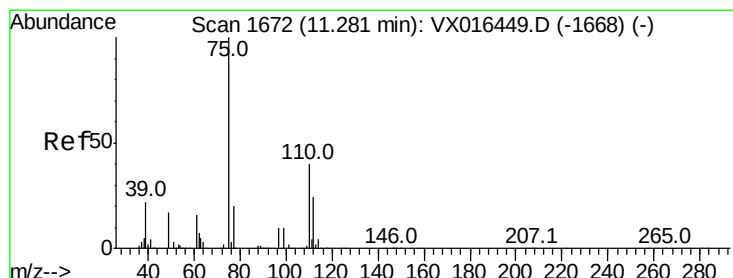
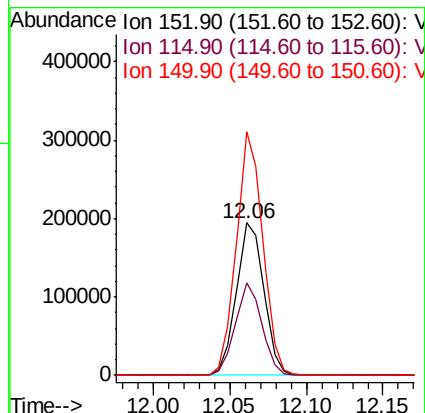
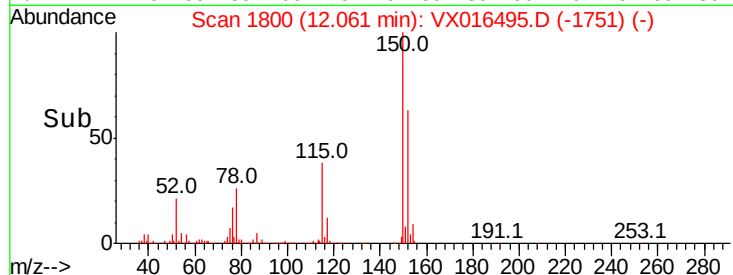
150 154.3 0.0 341.0



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: 22.053 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016495.D

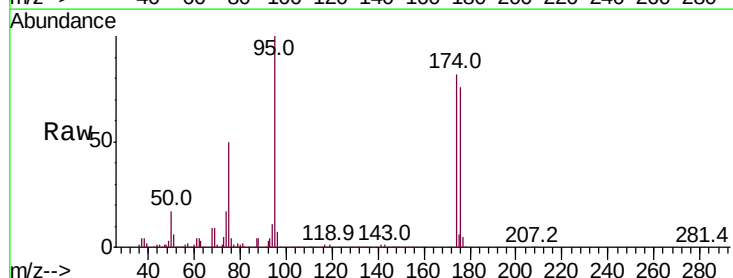
Acq: 28 May 2020 18:56

Tgt Ion: 75 Resp: 117138

Ion Ratio Lower Upper

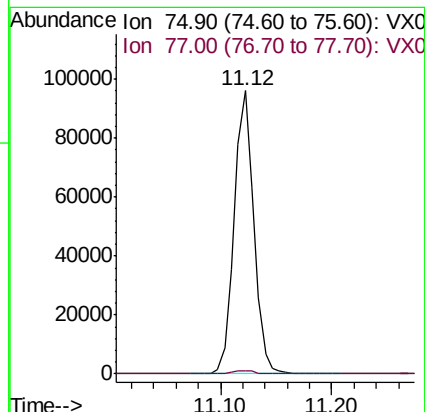
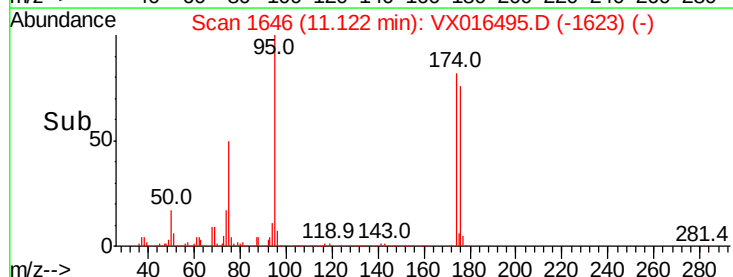
75 100

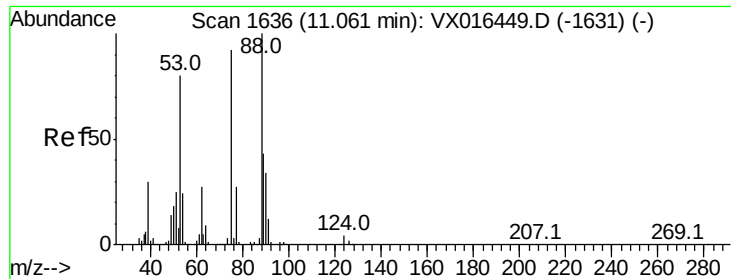
77 1.3 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 54.246 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016495.D

Acq: 28 May 2020 18:56

Instrument :

MSVOA_X

ClientSampleId :

Z2-DUP-0560-200526

Tot Ion: 75 Resp: 117138

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#

