

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX052820\
 Data File : VX016490.D
 Acq On : 28 May 2020 17:03
 Operator : JC/SP
 Sample : L2778-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-DUP-0561-200526

Quant Time: May 29 03:40:07 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	272957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	447632	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	448483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	220313	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	166192	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
35) Dibromofluoromethane	5.47	113	128806	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
50) Toluene-d8	8.70	98	548519	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.12	95	226704	54.69	ug/l	0.00
Spiked Amount			Recovery	=	109.38%	

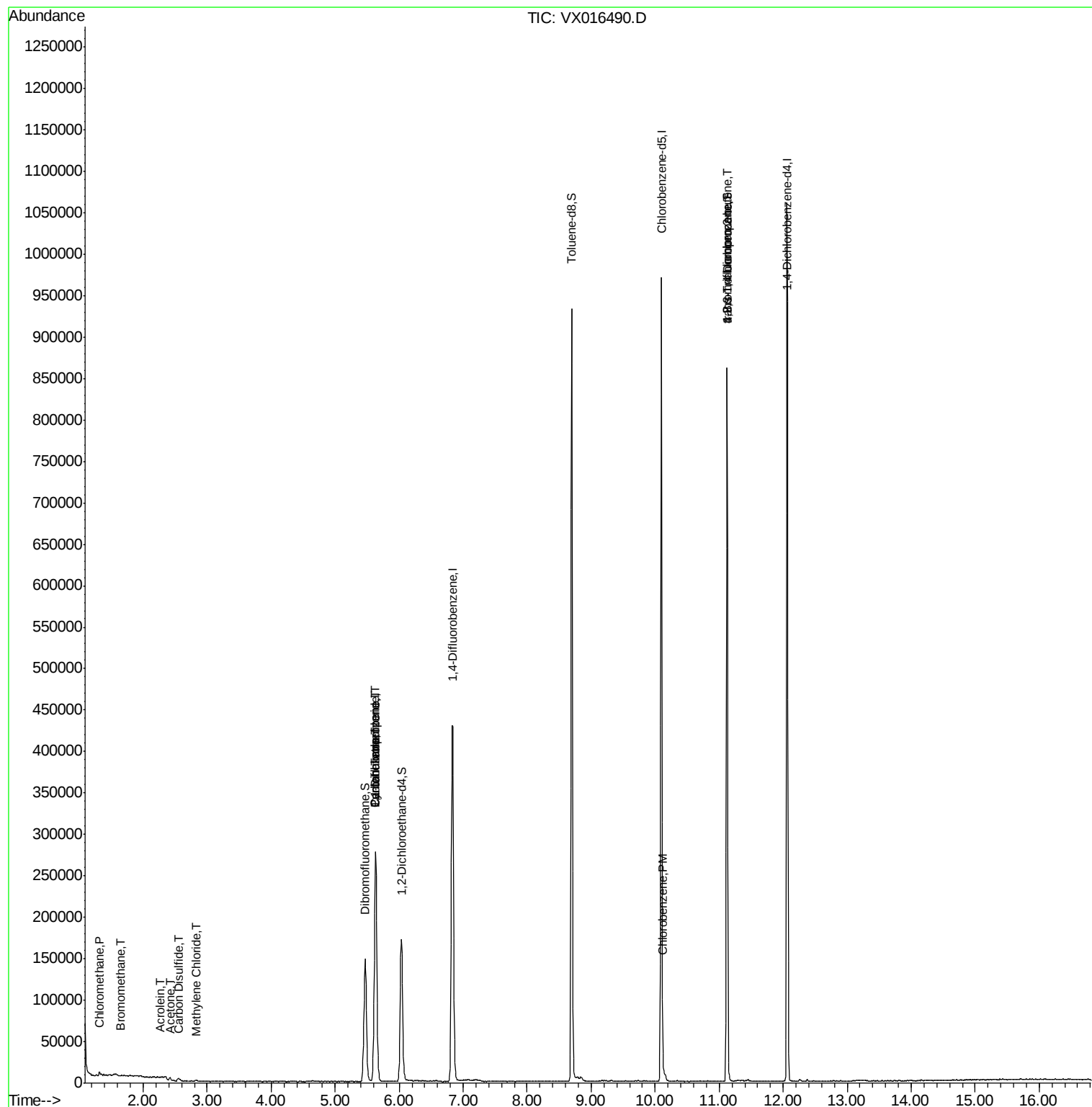
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	1814	0.559	ug/l #	82
5) Bromomethane	1.64	94	535	0.321	ug/l	88
13) Acrolein	2.27	56	301	0.814	ug/l #	43
16) Acetone	2.42	43	3936	2.650	ug/l	95
17) Carbon Disulfide	2.55	76	3933	0.504	ug/l #	78
20) Methylene Chloride	2.83	84	651	0.212	ug/l #	79
31) Cyclohexane	5.63	56	5075	1.077	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	20125	4.748	ug/l #	50
38) Carbon Tetrachloride	5.64	117	26595	5.971	ug/l #	17
65) Chlorobenzene	10.12	112	3086	0.338	ug/l	92
76) 1,2,3-Trichloropropane	11.12	75	110012	22.718	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	110012	55.882	ug/l #	14

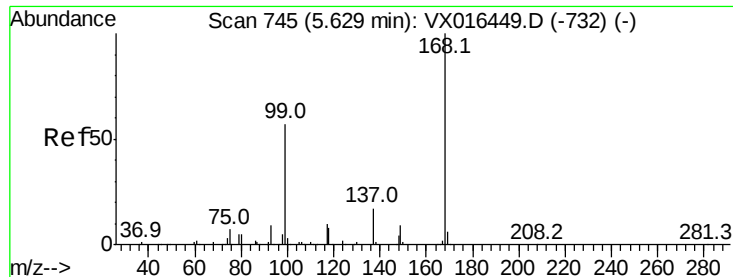
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016490.D

Acq: 28 May 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :

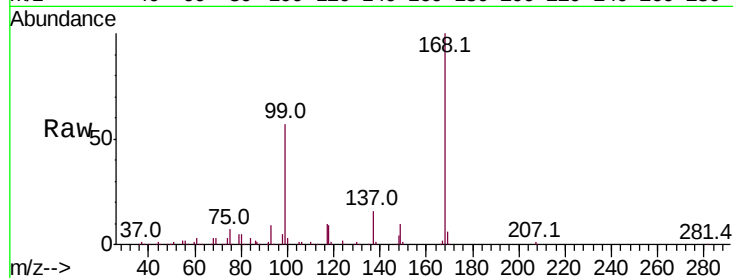
Z2-DUP-0561-200526

Tot Ion:168 Resp: 272957

Ion Ratio Lower Upper

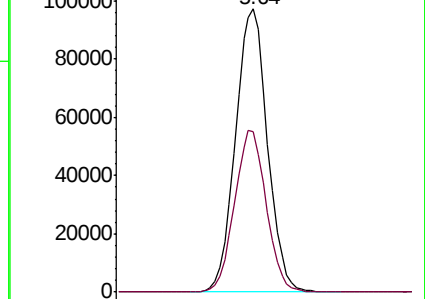
168 100

99 56.5 45.2 67.8

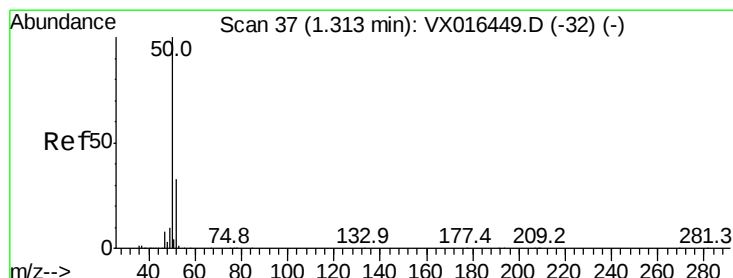
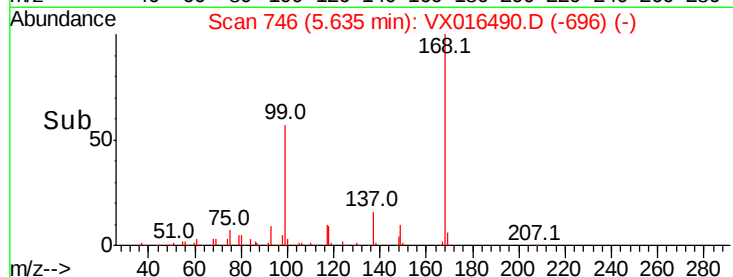


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



Time-->



#3

Chloromethane

Concen: 0.559 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016490.D

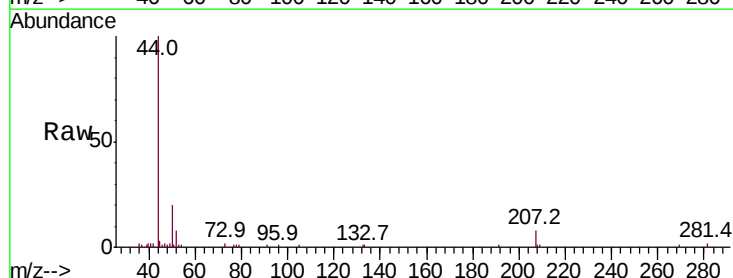
Acq: 28 May 2020 17:03

Tgt Ion: 50 Resp: 1814

Ion Ratio Lower Upper

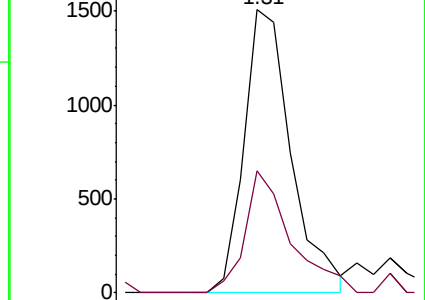
50 100

52 43.0 26.2 39.2#

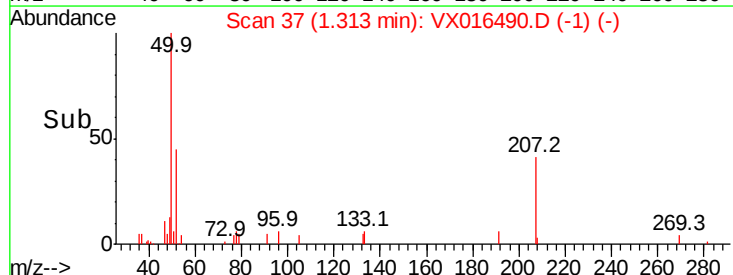


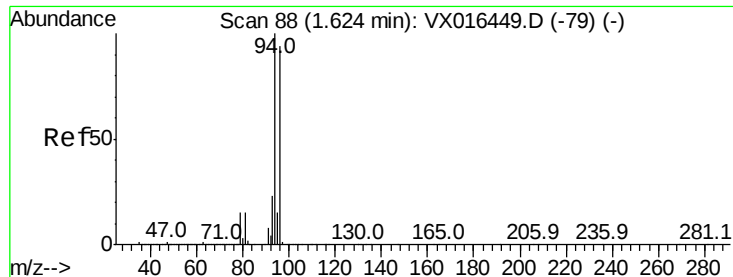
Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



Time-->





#5

Bromomethane

Concen: 0.321 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX016490.D

Acq: 28 May 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :

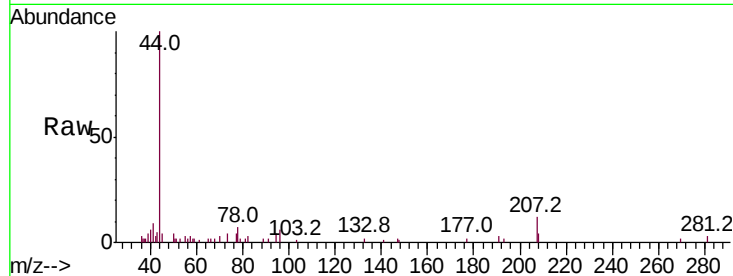
Z2-DUP-0561-200526

Tot Ion: 94 Resp: 535

Ion Ratio Lower Upper

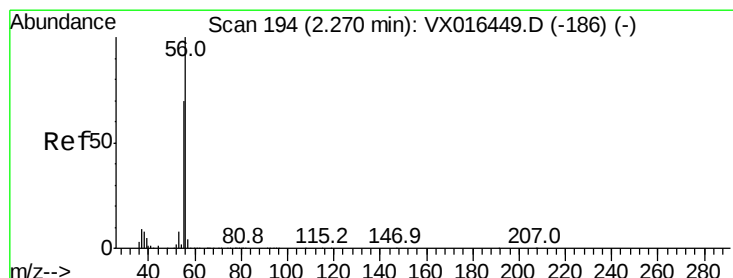
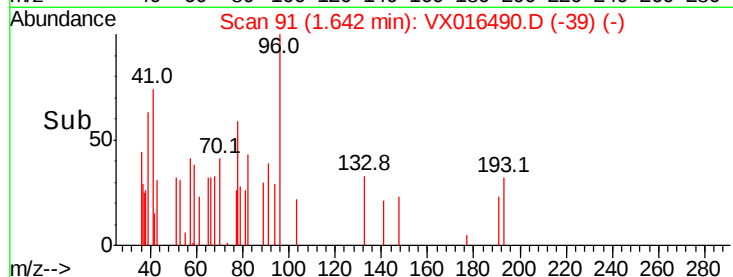
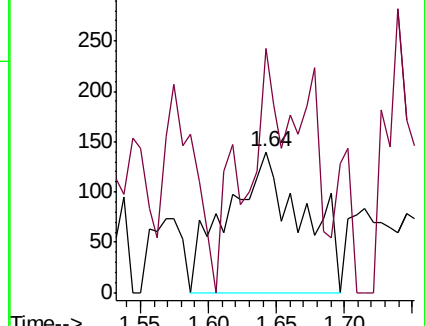
94 100

96 82.1 75.1 112.7



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#13

Acrolein

Concen: 0.814 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016490.D

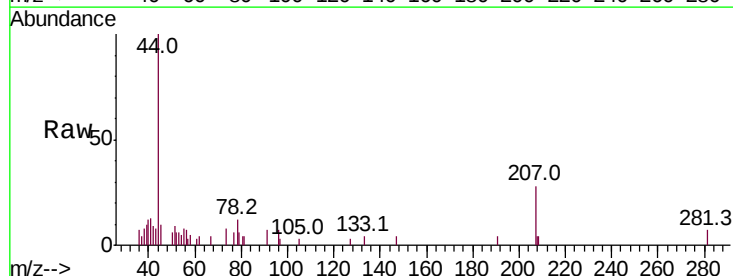
Acq: 28 May 2020 17:03

Tgt Ion: 56 Resp: 301

Ion Ratio Lower Upper

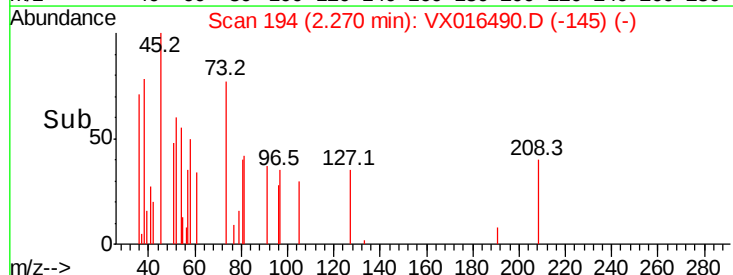
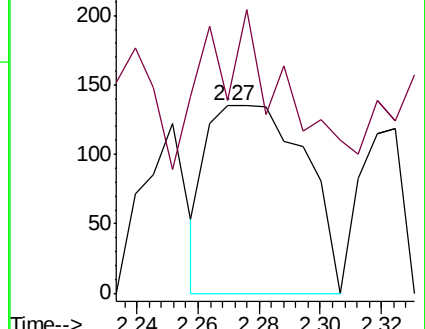
56 100

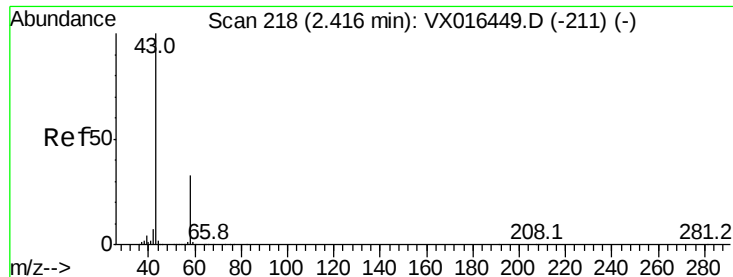
55 24.9 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.650 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016490.D

Acq: 28 May 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :

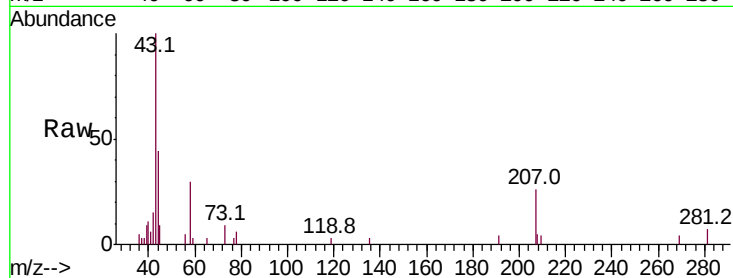
Z2-DUP-0561-200526

Tot Ion: 43 Resp: 3936

Ion Ratio Lower Upper

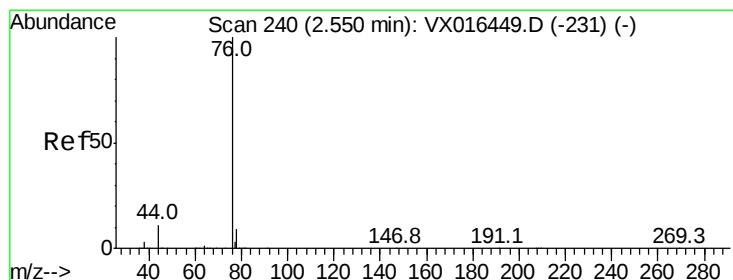
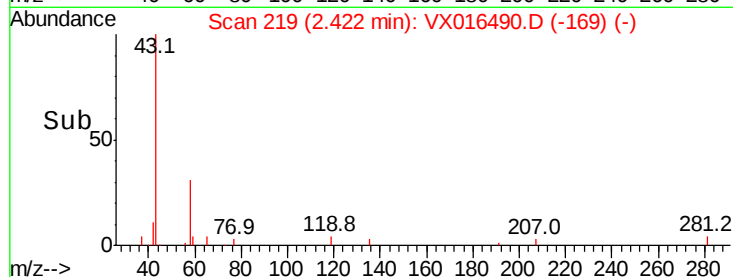
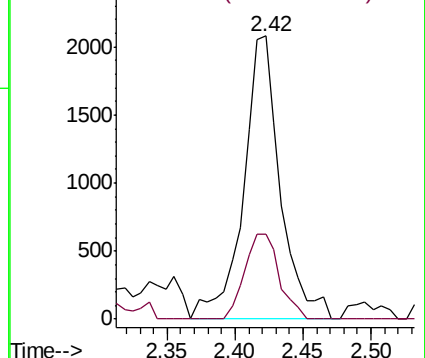
43 100

58 29.8 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.504 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016490.D

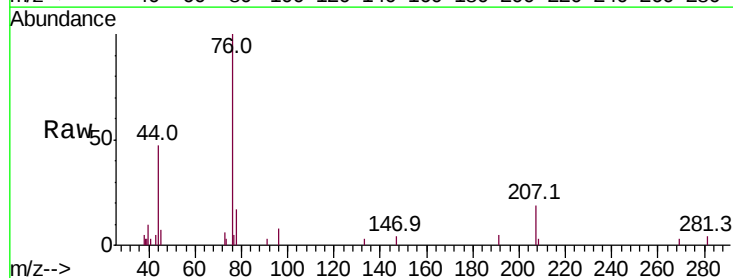
Acq: 28 May 2020 17:03

Tgt Ion: 76 Resp: 3933

Ion Ratio Lower Upper

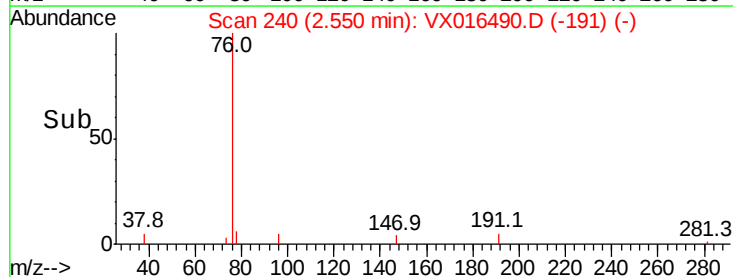
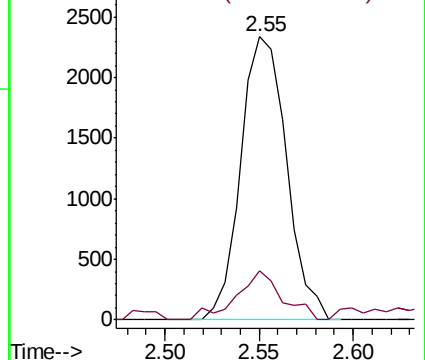
76 100

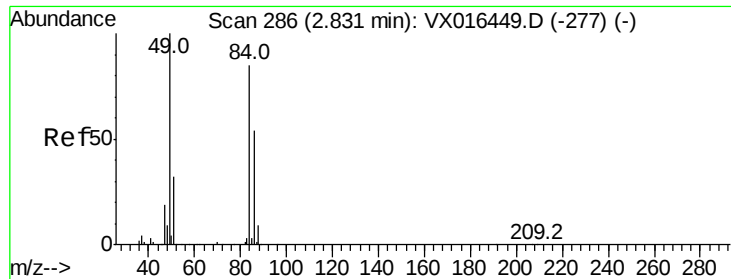
78 17.2 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

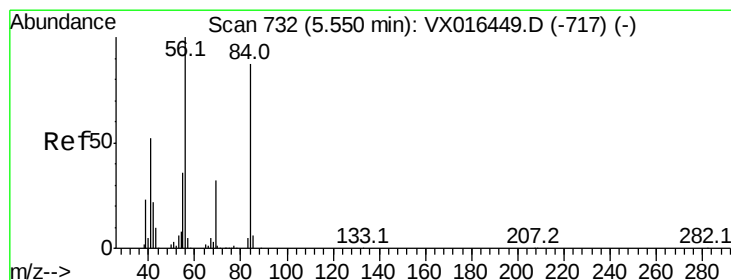
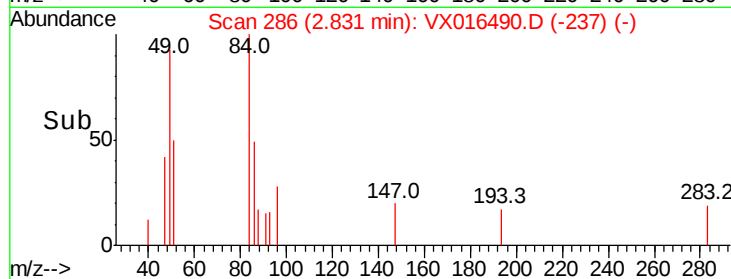
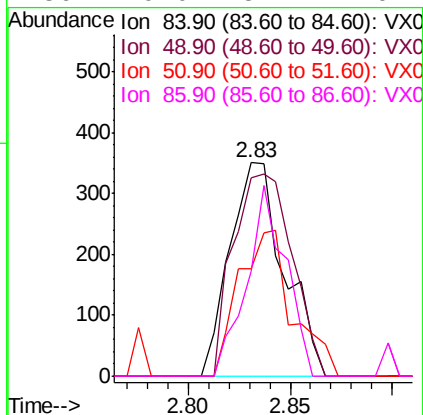
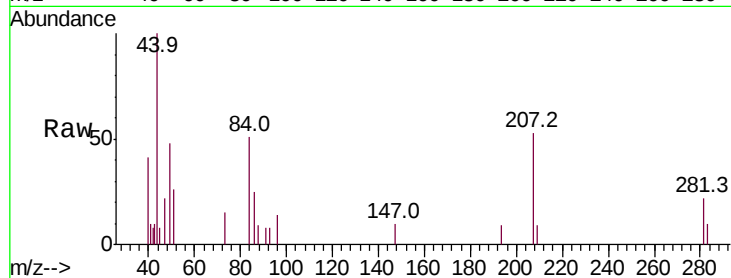




#20
Methvlene Chloride
Concen: 0.212 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX016490.D
Acq: 28 May 2020 17:03

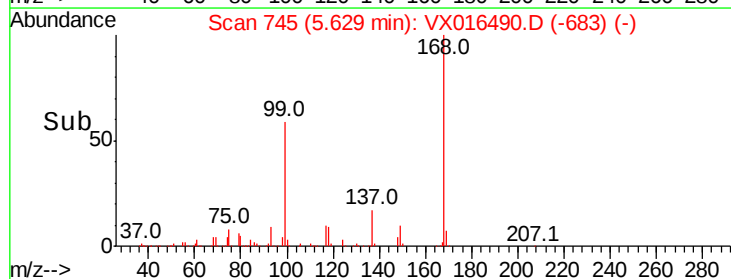
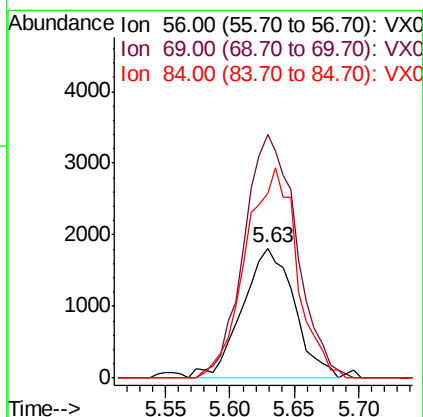
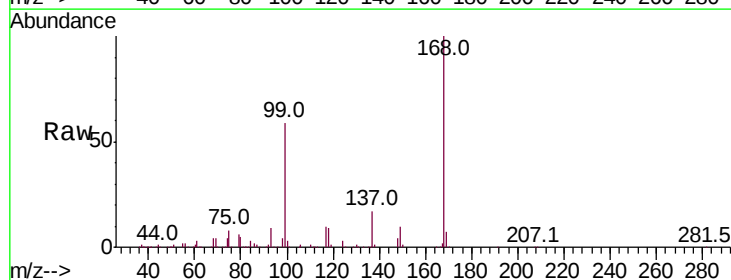
Instrument :
MSVOA_X
ClientSampleId :
Z2-DUP-0561-200526

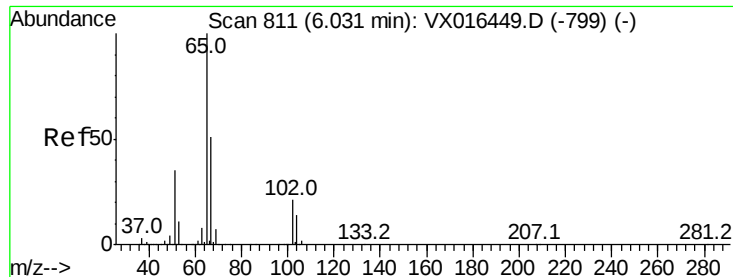
Tot Ion:	84	Resp:	651
Ion	Ratio	Lower	Upper
84	100		
49	93.2	94.5	141.7#
51	50.1	30.2	45.4#
86	49.0	51.1	76.7#



#31
Cyclohexane
Concen: 1.077 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016490.D
Acq: 28 May 2020 17:03

Tgt Ion:	56	Resp:	5075
Ion	Ratio	Lower	Upper
56	100		
69	187.6	25.7	38.5#
84	142.3	70.0	105.0#





#33

1,2-Dichloroethane-d4

Concen: 49.027 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016490.D

Acq: 28 May 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :

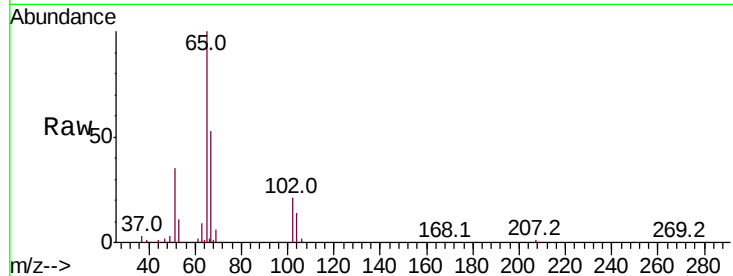
Z2-DUP-0561-200526

Tot Ion: 65 Resp: 166192

Ion Ratio Lower Upper

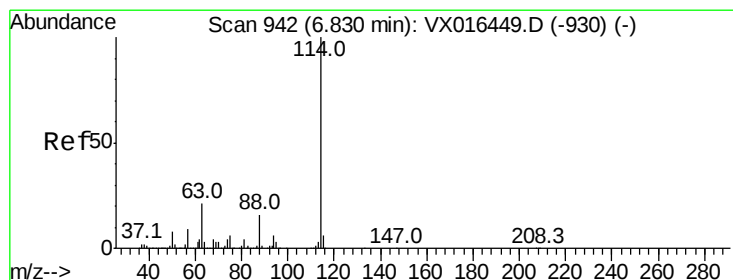
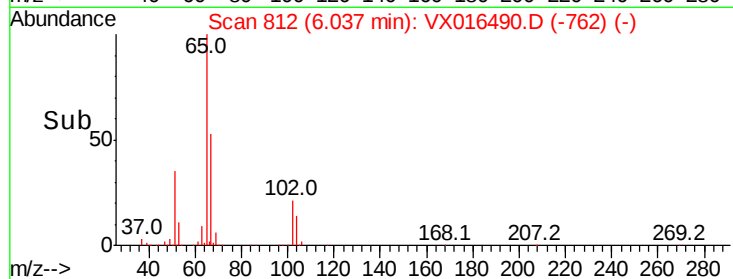
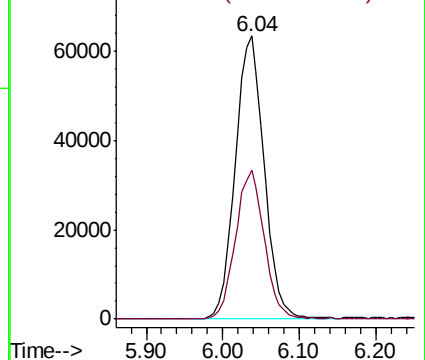
65 100

67 52.3 0.0 104.8



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016490.D

Acq: 28 May 2020 17:03

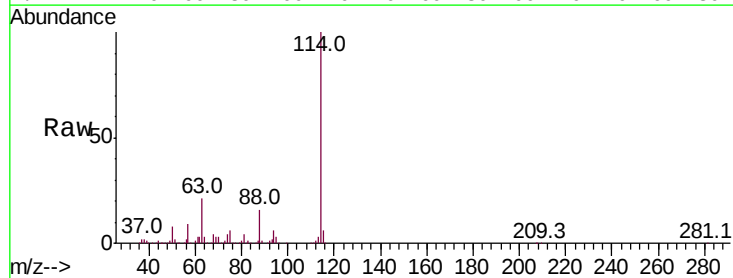
Tgt Ion: 114 Resp: 447632

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

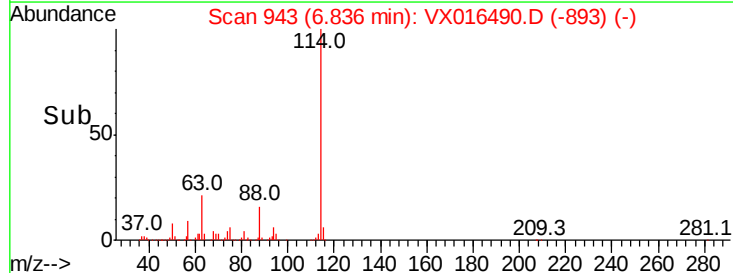
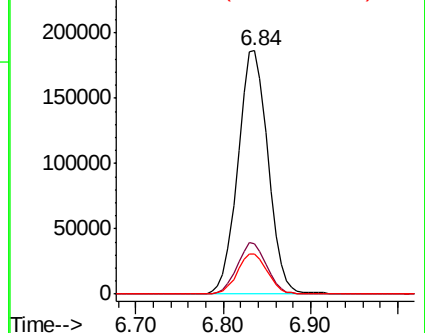
88 16.5 0.0 32.8

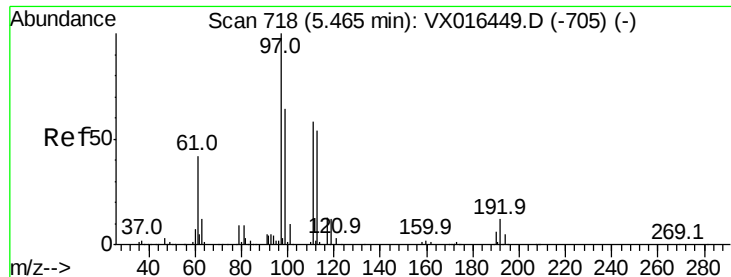


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

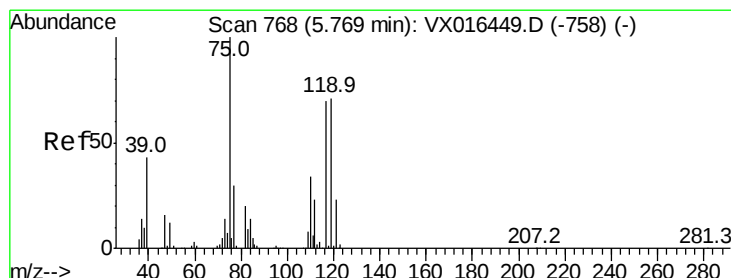
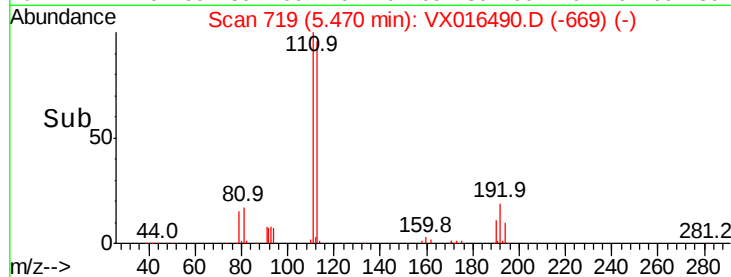
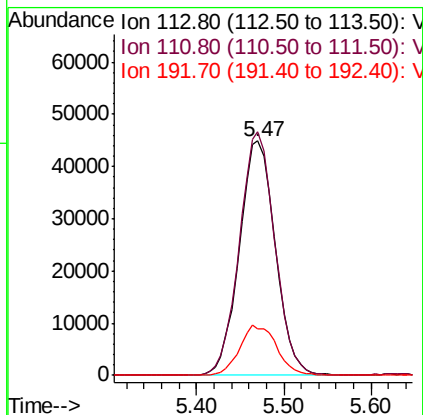
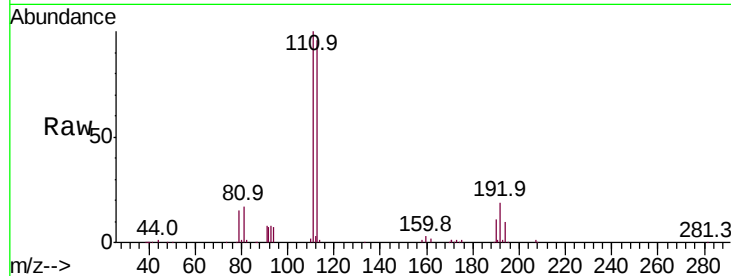




#35
Dibromofluoromethane
Concen: 46.732 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX016490.D
Acq: 28 May 2020 17:03

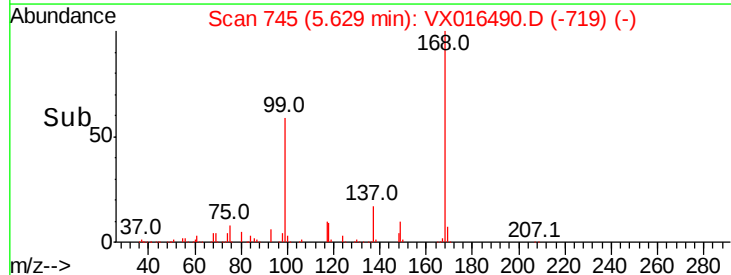
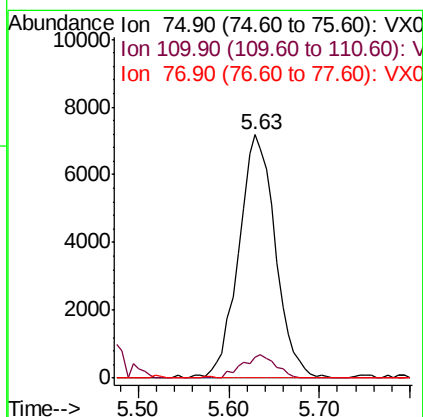
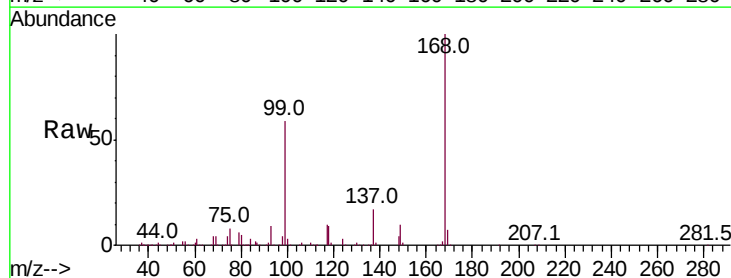
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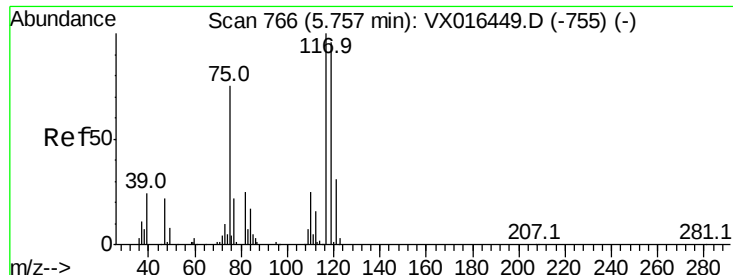
Tot Ion:113 Resp: 128806
Ion Ratio Lower Upper
113 100
111 102.1 83.0 124.6
192 22.0 17.7 26.5



#36
1,1-Dichloropropene
Concen: 4.748 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.14 min
Lab File: VX016490.D
Acq: 28 May 2020 17:03

Tgt Ion: 75 Resp: 20125
Ion Ratio Lower Upper
75 100
110 8.7 17.4 52.3#
77 0.0 24.2 36.4#





#38

Carbon Tetrachloride

Concen: 5.971 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016490.D

Acq: 28 May 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :

Z2-DUP-0561-200526

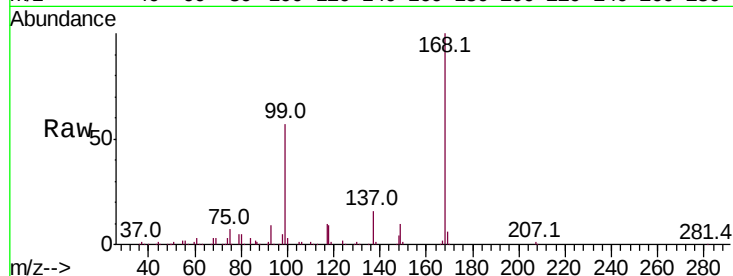
Tot Ion:117 Resp: 26595

Ion Ratio Lower Upper

117 100

119 6.2 76.3 114.5#

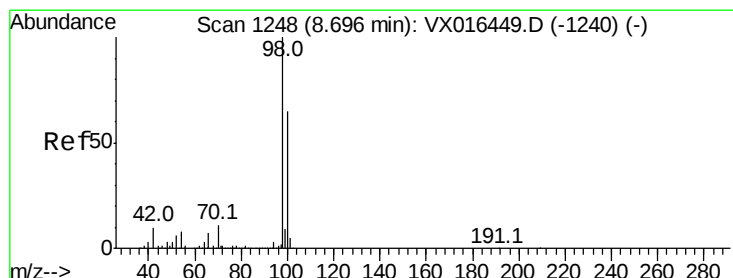
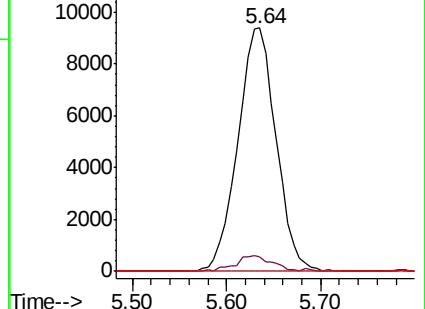
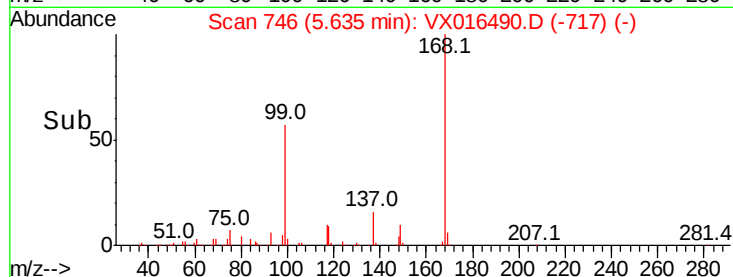
121 0.0 24.6 37.0#



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



#50

Toluene-d8

Concen: 51.130 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016490.D

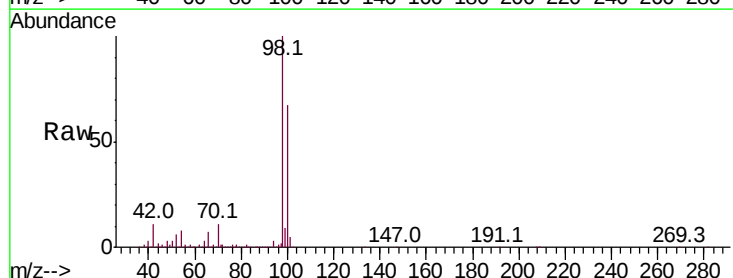
Acq: 28 May 2020 17:03

Tgt Ion: 98 Resp: 548519

Ion Ratio Lower Upper

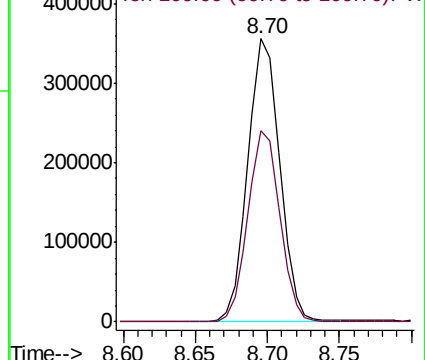
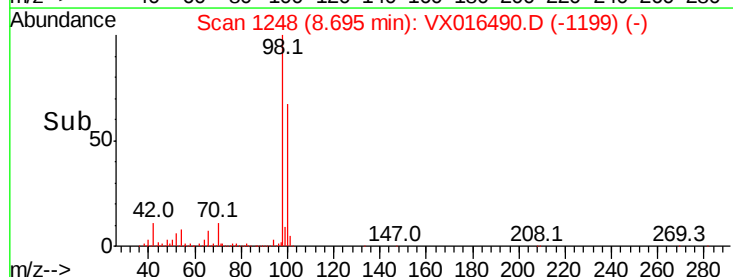
98 100

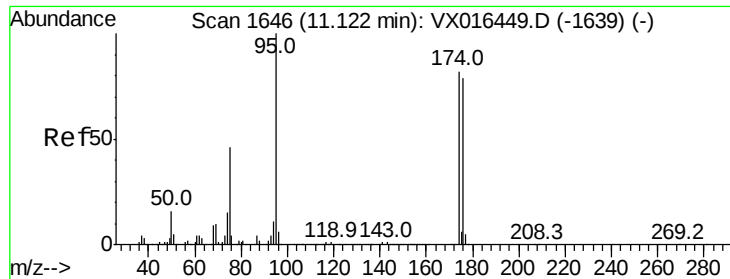
100 67.8 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 54.690 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016490.D

Acq: 28 May 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :

Z2-DUP-0561-200526

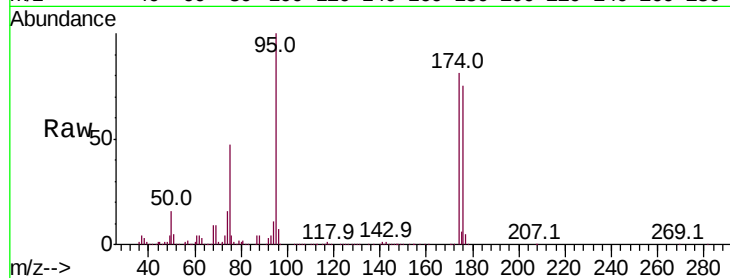
Tot Ion: 95 Resp: 226704

Ion Ratio Lower Upper

95 100

174 81.4 0.0 163.0

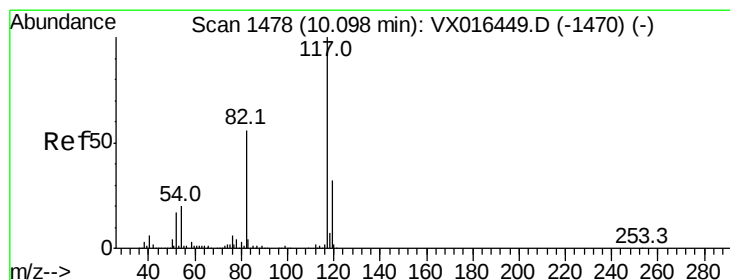
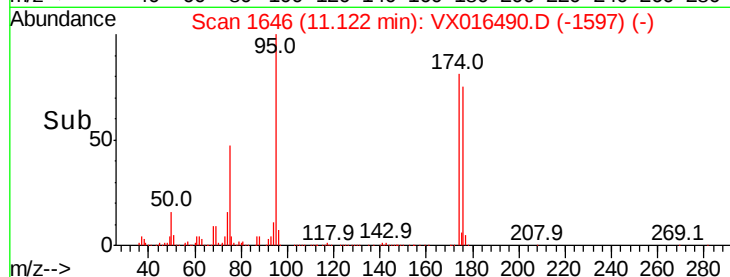
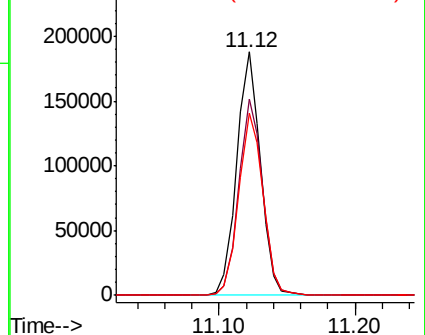
176 77.7 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016449.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX016449.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX016449.D (-1639) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016490.D

Acq: 28 May 2020 17:03

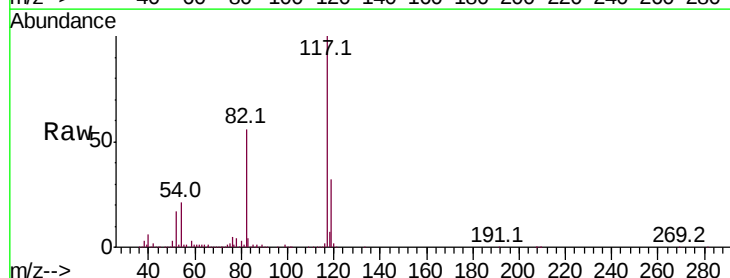
Tgt Ion: 117 Resp: 448483

Ion Ratio Lower Upper

117 100

82 56.1 45.0 67.6

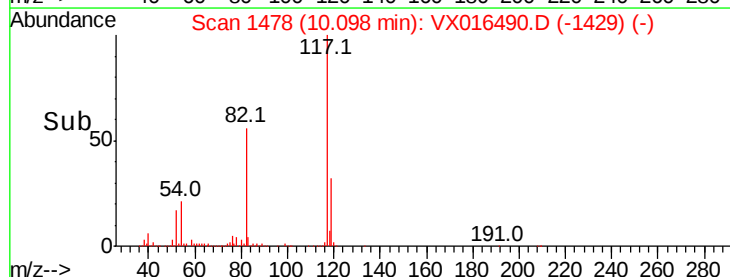
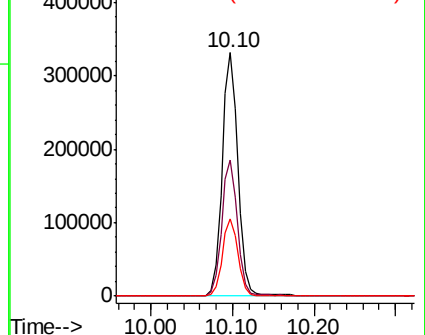
119 31.9 25.8 38.8

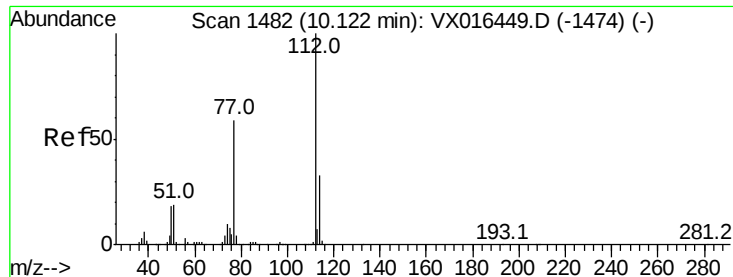


Abundance Ion 116.90 (116.60 to 117.60): VX016449.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX016449.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX016449.D (-1470) (-)

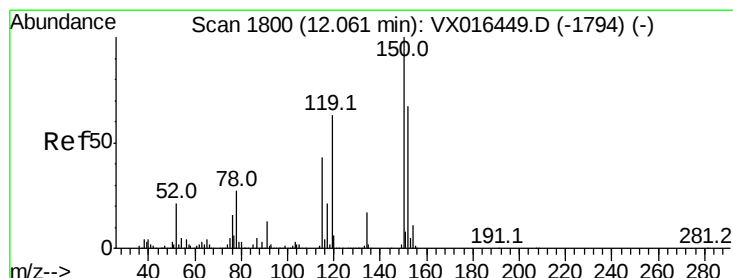
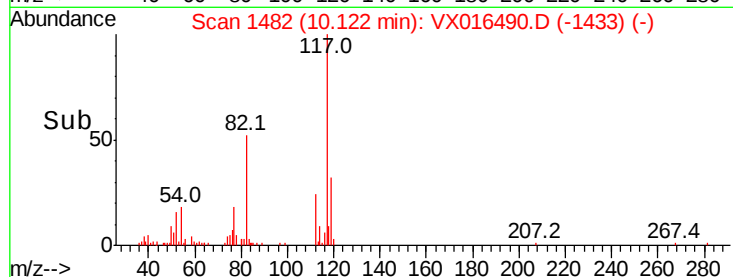
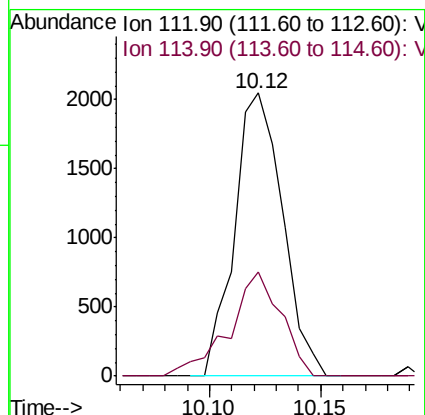
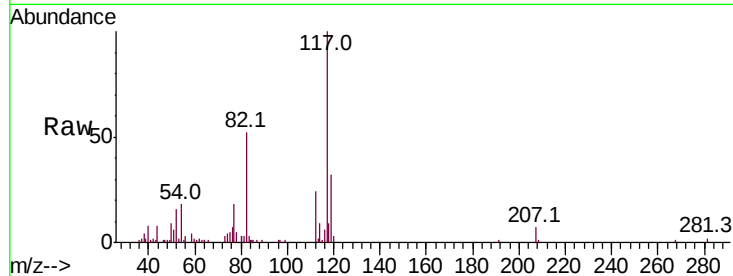




#65
Chlorobenzene
Concen: 0.338 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016490.D
Acq: 28 May 2020 17:03

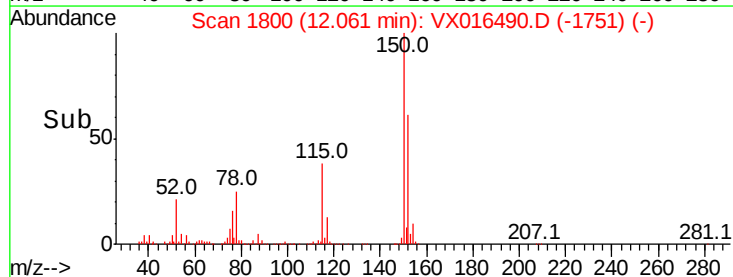
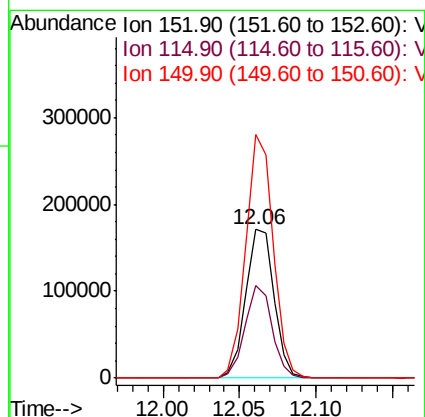
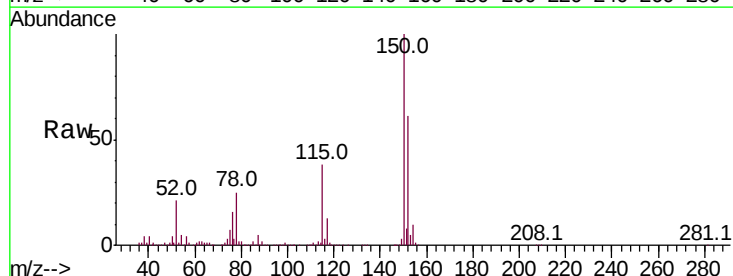
Instrument :
MSVOA_X
ClientSampleId :
Z2-DUP-0561-200526

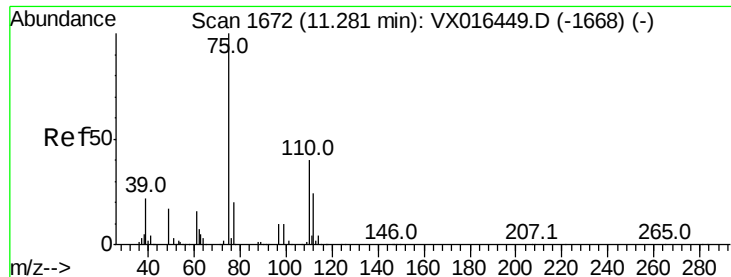
Tot Ion:112 Resp: 3086
Ion Ratio Lower Upper
112 100
114 36.8 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016490.D
Acq: 28 May 2020 17:03

Tgt Ion:152 Resp: 220313
Ion Ratio Lower Upper
152 100
115 59.7 39.9 119.6
150 158.1 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 22.718 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016490.D

Acq: 28 May 2020 17:03

Instrument :

MSVOA_X

ClientSampleId :

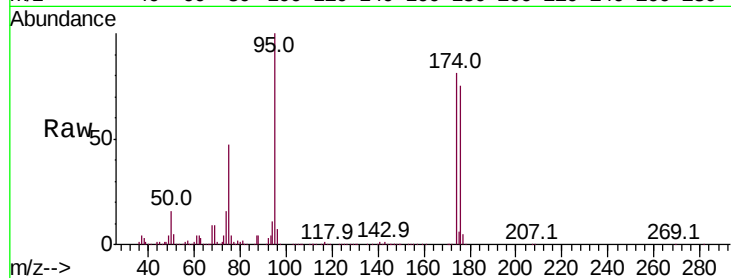
Z2-DUP-0561-200526

Tot Ion: 75 Resp: 110012

Ion Ratio Lower Upper

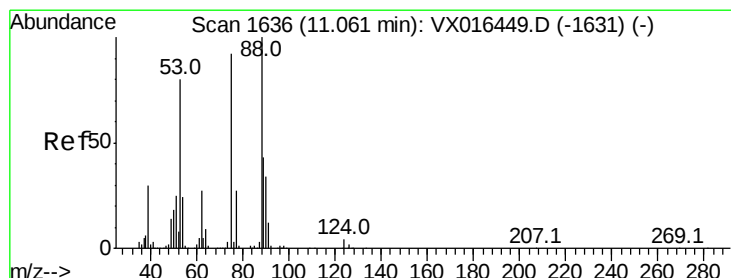
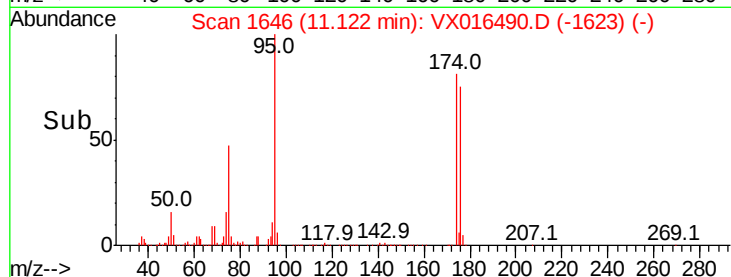
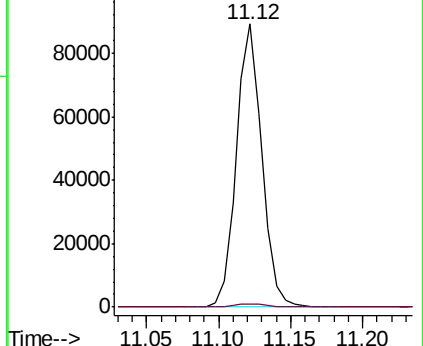
75 100

77 1.4 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: 55.882 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016490.D

Acq: 28 May 2020 17:03

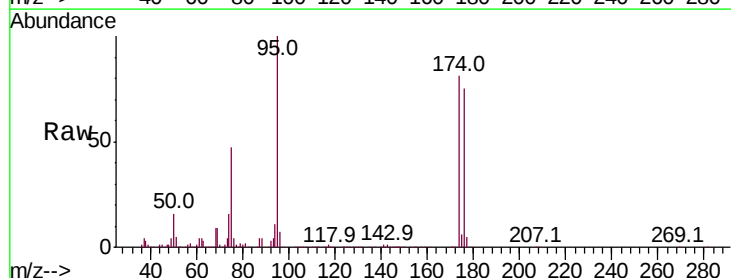
Tgt Ion: 75 Resp: 110012

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#



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

