

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060120\
 Data File : VX016519.D
 Acq On : 01 Jun 2020 11:34
 Operator : JC/SP
 Sample : L2799-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-TB7-200527

Quant Time: Jun 02 01:46:14 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	5.63	168	346679	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	556499	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	562794	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	282618	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	197967	45.98	ug/l	0.00
Spiked Amount			Recovery	=	91.96%	
35) Dibromofluoromethane	5.46	113	158482	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	
50) Toluene-d8	8.70	98	698078	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	11.12	95	284461	55.20	ug/l	0.00
Spiked Amount			Recovery	=	110.40%	

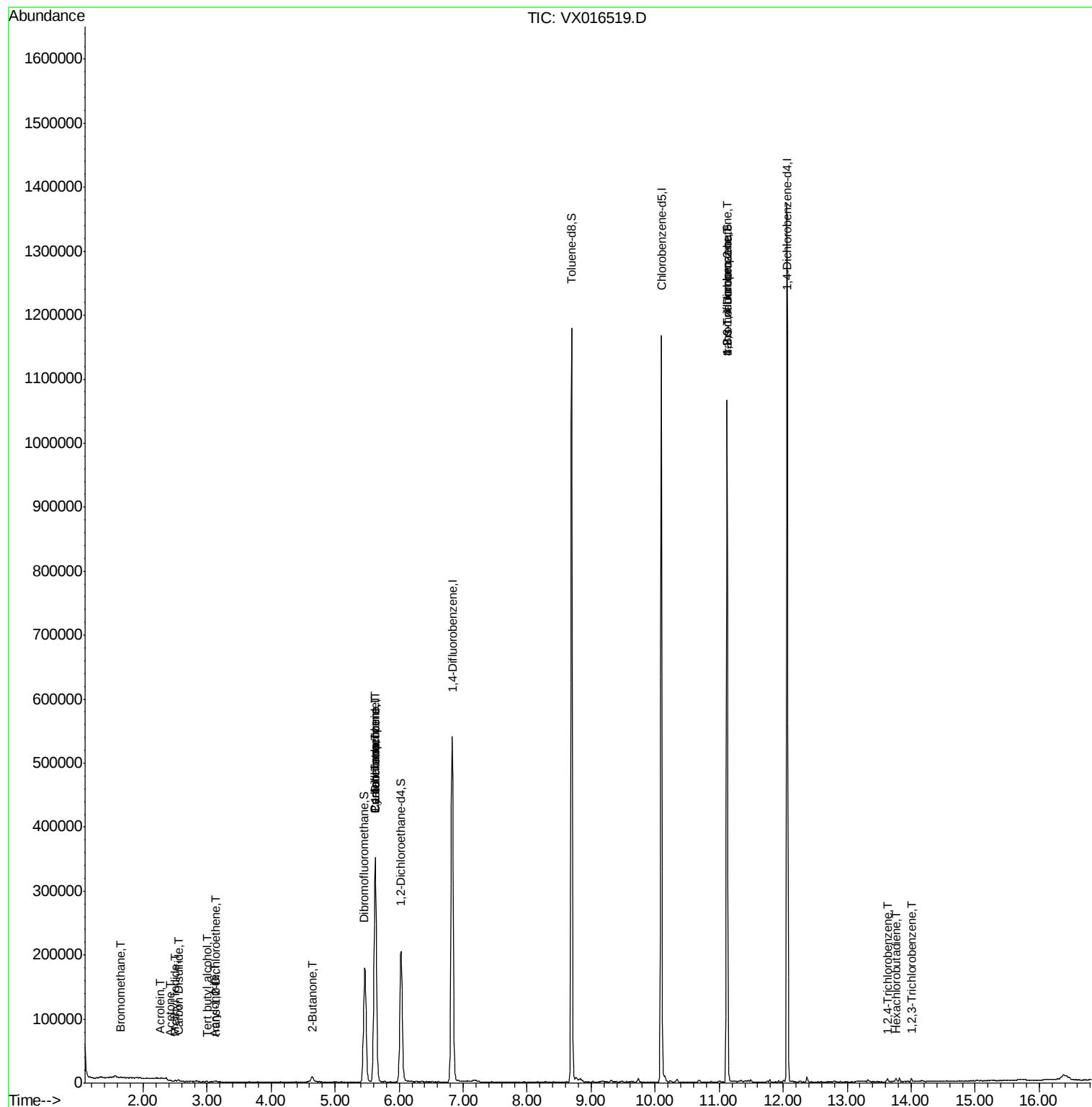
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	533	0.251	ug/l #	63
10) Methyl Iodide	2.50	142	549	3.192	ug/l #	77
11) Tert butyl alcohol	3.01	59	348	0.315	ug/l #	89
13) Acrolein	2.26	56	287	0.611	ug/l #	41
15) Acrylonitrile	3.12	53	788	0.348	ug/l #	88
16) Acetone	2.42	43	814	0.432	ug/l	89
17) Carbon Disulfide	2.55	76	3021	0.305	ug/l #	94
21) trans-1,2-Dichloroethene	3.14	96	778	0.211	ug/l #	70
25) 2-Butanone	4.65	43	904	0.283	ug/l #	49
31) Cyclohexane	5.62	56	6492	1.085	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24476	4.645	ug/l #	51
38) Carbon Tetrachloride	5.62	117	32445	5.860	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	137682	22.164	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	137682	54.519	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.63	180	1388	0.242	ug/l	96
94) Hexachlorobutadiene	13.77	225	1066	0.474	ug/l	94
96) 1,2,3-Trichlorobenzene	14.01	180	1374	0.245	ug/l	94

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

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ClientSampled :
Z2-TB7-200527

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016519.D

Acq: 01 Jun 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

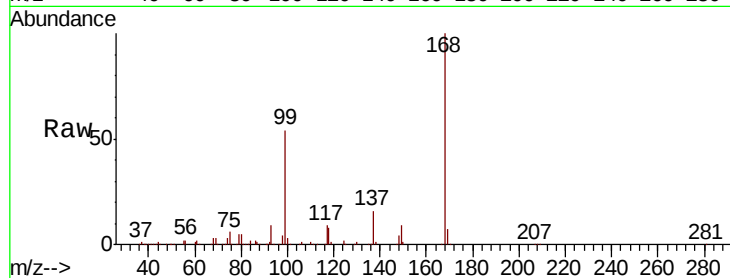
Z2-TB7-200527

Tot Ion:168 Resp: 346679

Ion Ratio Lower Upper

168 100

99 53.9 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

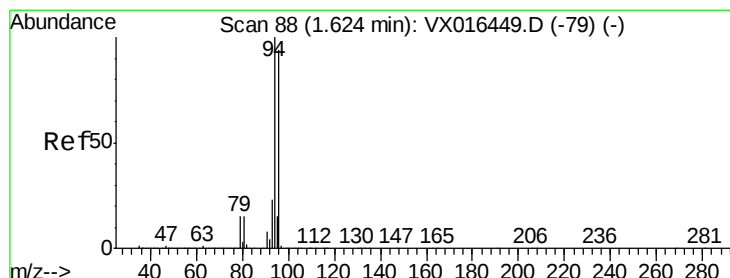
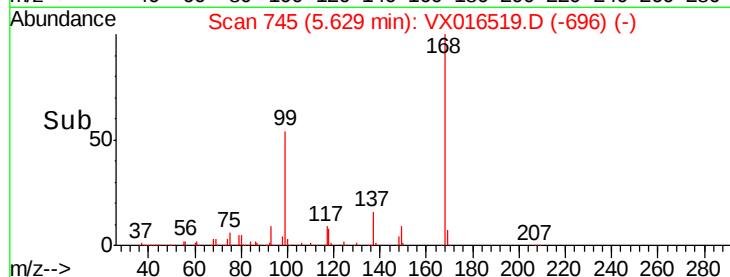
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.251 ug/l

RT: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX016519.D

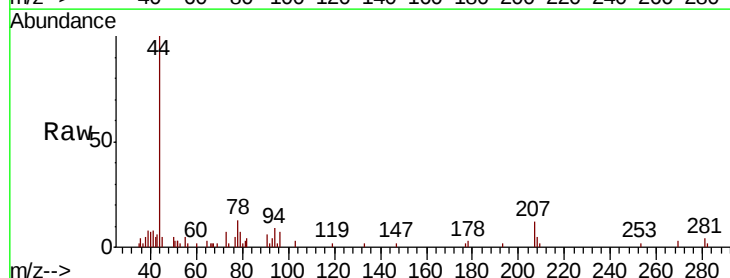
Acq: 01 Jun 2020 11:34

Tgt Ion: 94 Resp: 533

Ion Ratio Lower Upper

94 100

96 58.2 75.1 112.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

300

250

200

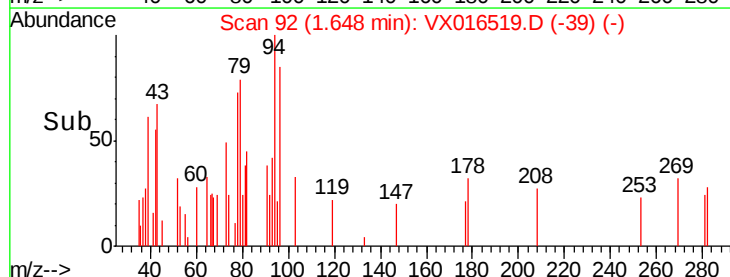
150

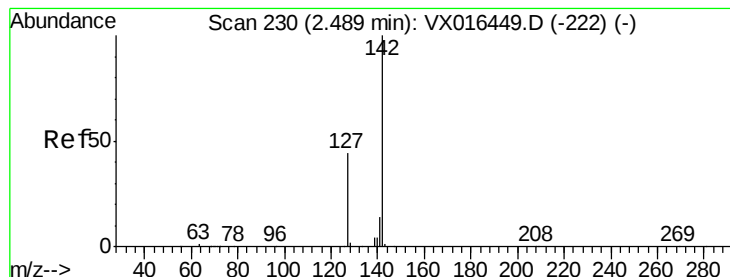
100

50

0

Time-->





#10

Methyl Iodide

Concen: 3.192 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX016519.D

Acq: 01 Jun 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

Z2-TB7-200527

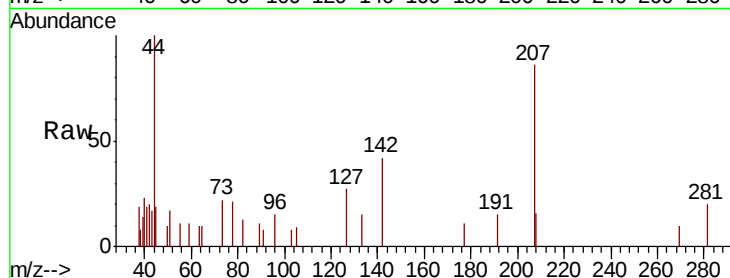
Tot Ion:142 Resp: 549

Ion Ratio Lower Upper

142 100

127 56.8 35.3 52.9#

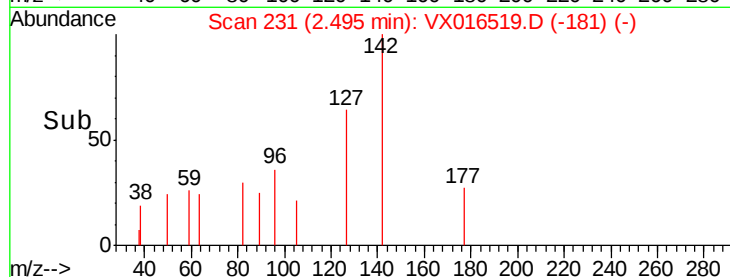
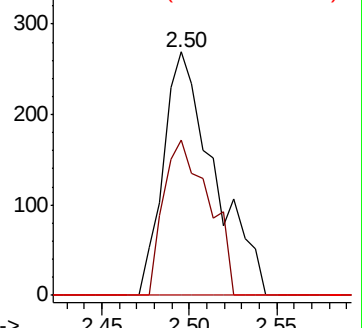
141 0.0 11.4 17.2#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: 0.315 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016519.D

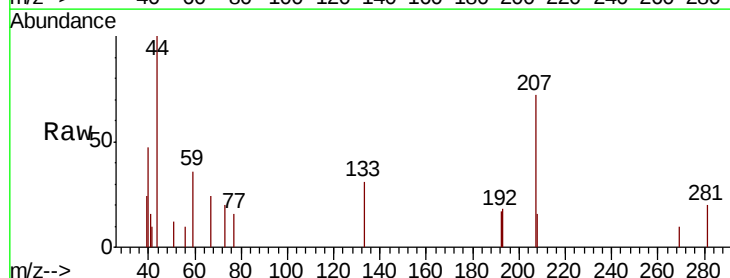
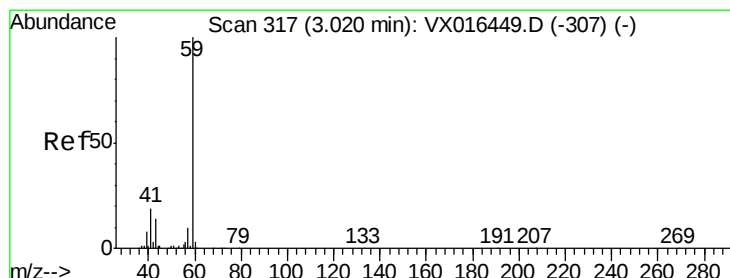
Acq: 01 Jun 2020 11:34

Tgt Ion: 59 Resp: 348

Ion Ratio Lower Upper

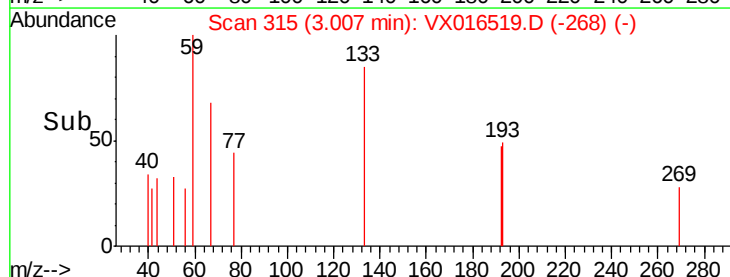
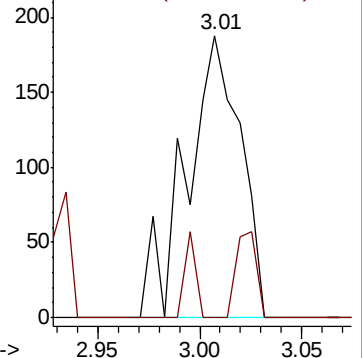
59 100

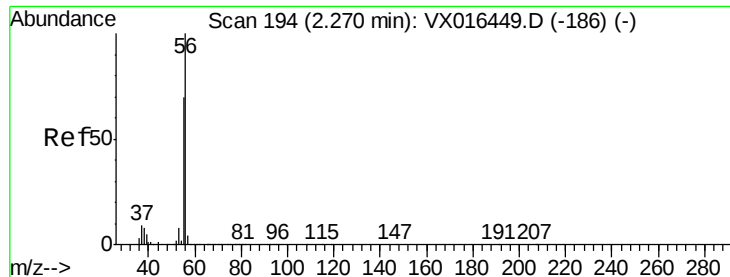
57 6.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.611 ug/l

RT: 2.26 min Scan# 193

Delta R.T. -0.01 min

Lab File: VX016519.D

Acq: 01 Jun 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

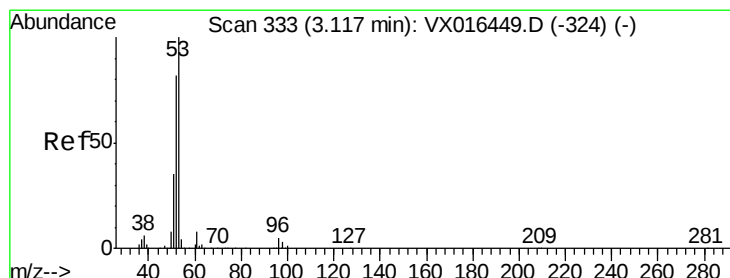
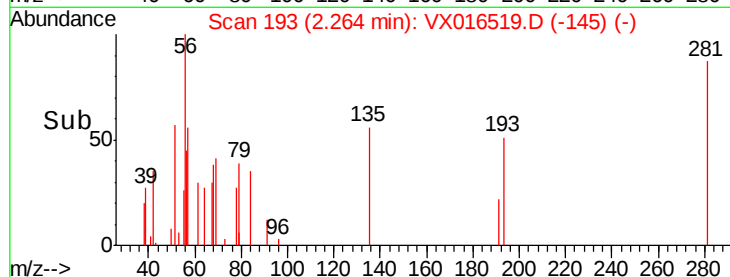
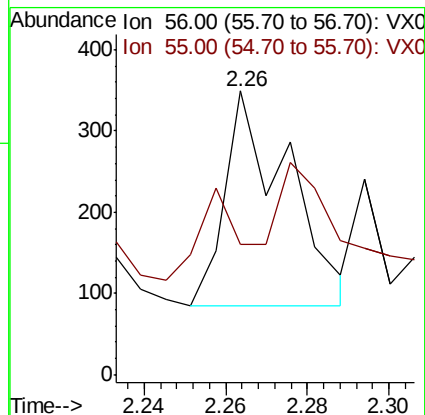
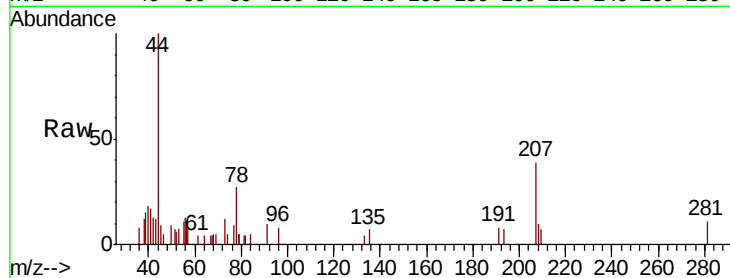
Z2-TB7-200527

Tot Ion: 56 Resp: 287

Ion Ratio Lower Upper

56 100

55 23.7 58.3 87.5#



#15

Acrylonitrile

Concen: 0.348 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX016519.D

Acq: 01 Jun 2020 11:34

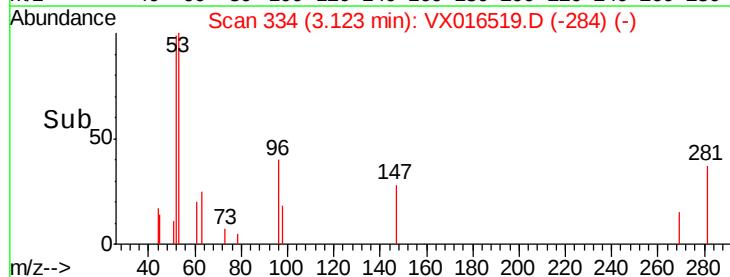
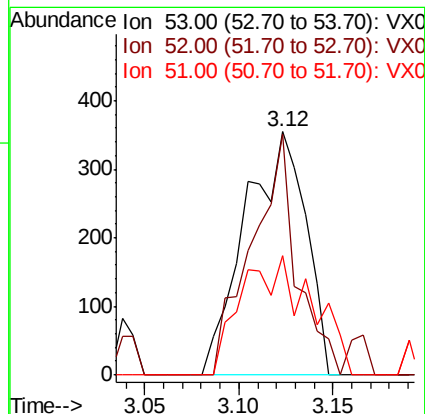
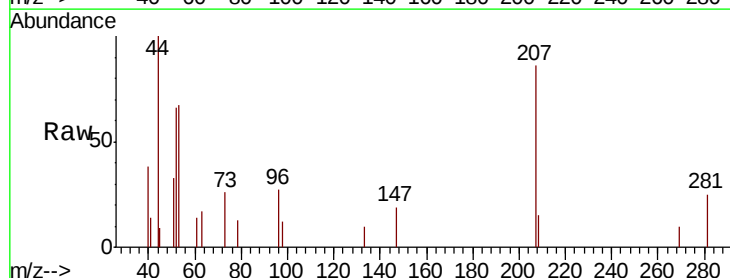
Tgt Ion: 53 Resp: 788

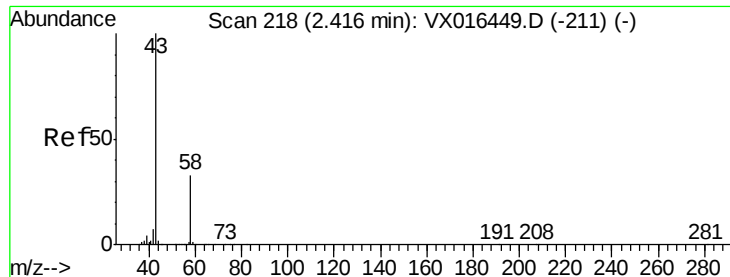
Ion Ratio Lower Upper

53 100

52 73.9 66.7 100.1

51 27.3 28.6 43.0#





#16

Acetone

Concen: 0.432 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX016519.D

Acq: 01 Jun 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

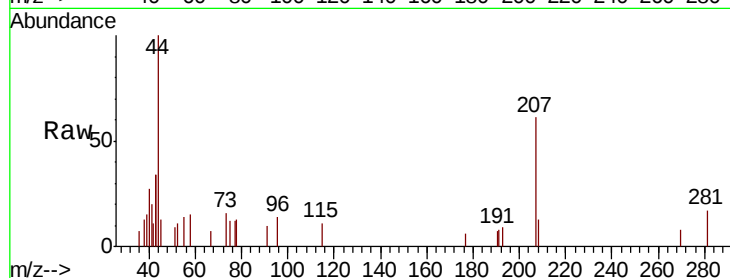
Z2-TB7-200527

Tot Ion: 43 Resp: 814

Ion Ratio Lower Upper

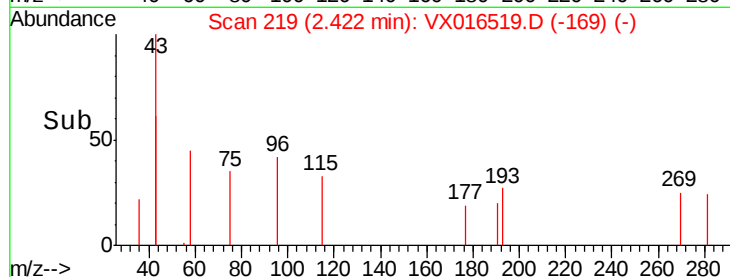
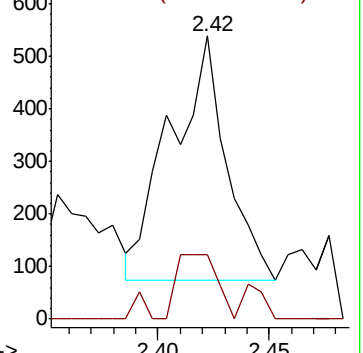
43 100

58 26.2 26.1 39.1

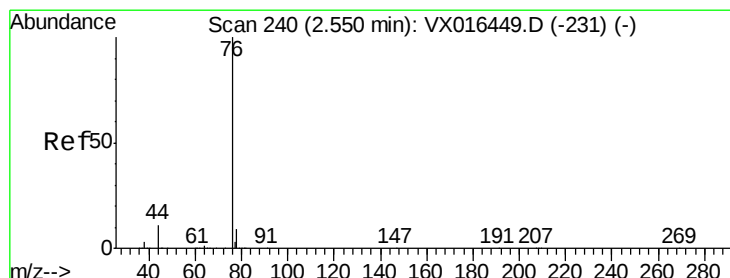


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 0.305 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016519.D

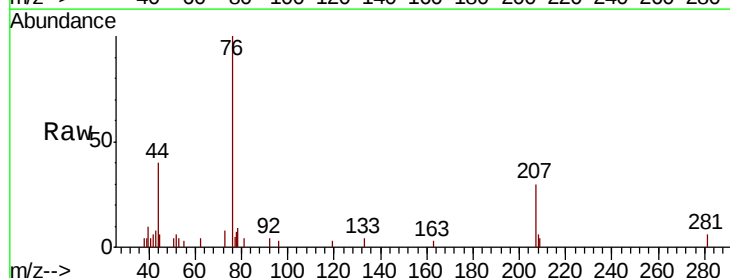
Acq: 01 Jun 2020 11:34

Tgt Ion: 76 Resp: 3021

Ion Ratio Lower Upper

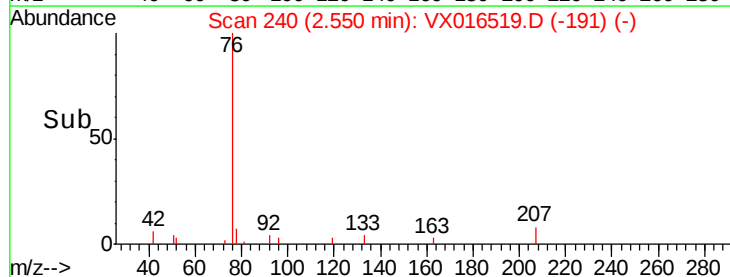
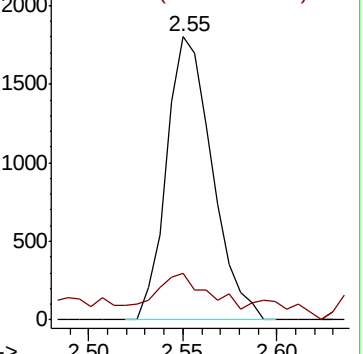
76 100

78 11.3 7.4 11.0#

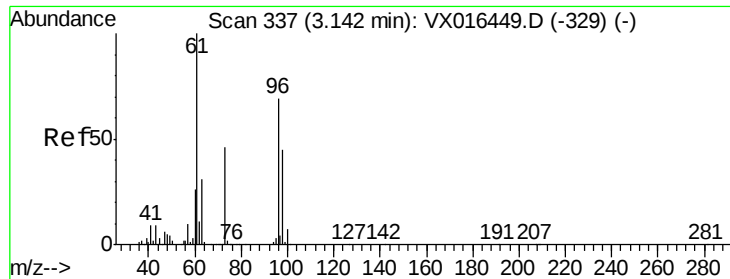


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



Time-->



#21

trans-1,2-Dichloroethene

Concen: 0.211 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016519.D

Acq: 01 Jun 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

Z2-TB7-200527

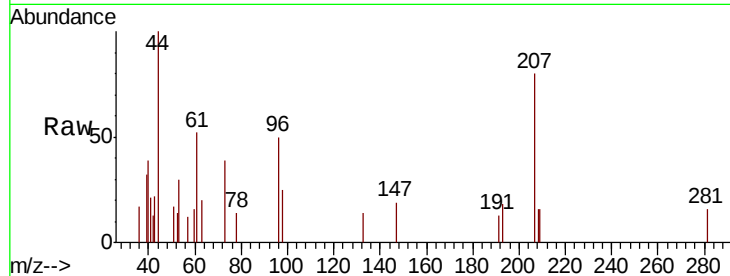
Tot Ion: 96 Resp: 778

Ion Ratio Lower Upper

96 100

61 102.2 115.3 172.9#

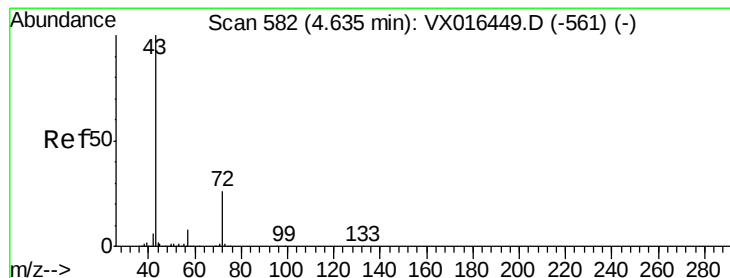
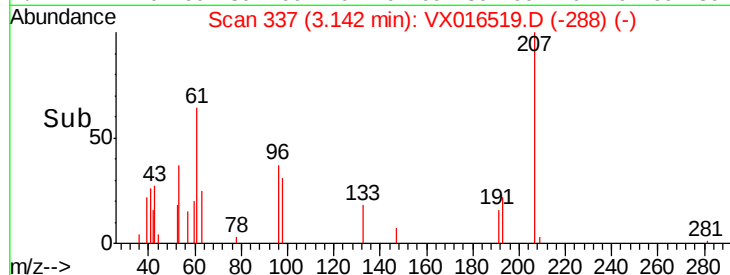
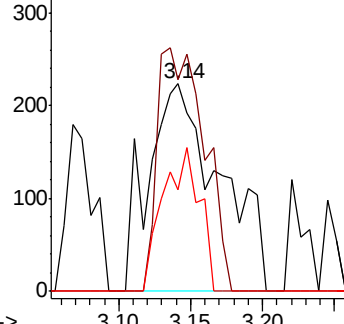
98 48.9 51.9 77.9#



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



#25

2-Butanone

Concen: 0.283 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX016519.D

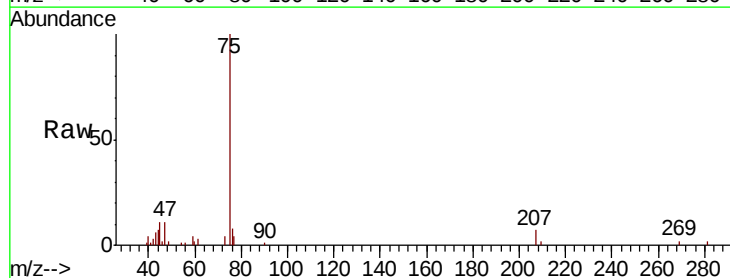
Acq: 01 Jun 2020 11:34

Tgt Ion: 43 Resp: 904

Ion Ratio Lower Upper

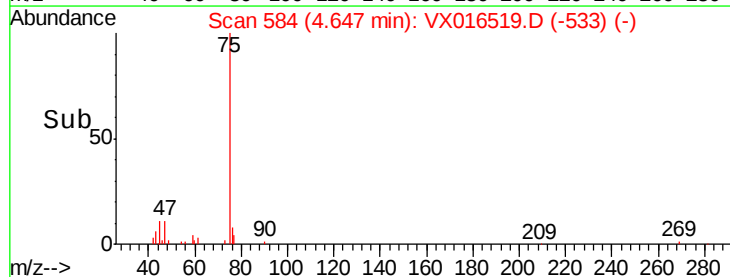
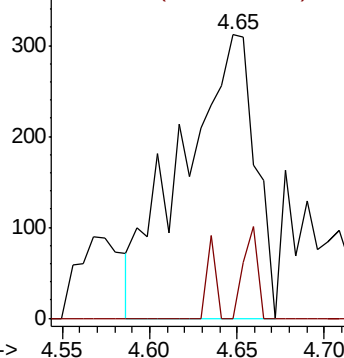
43 100

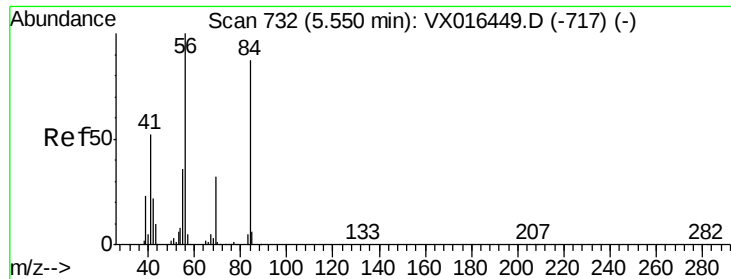
72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

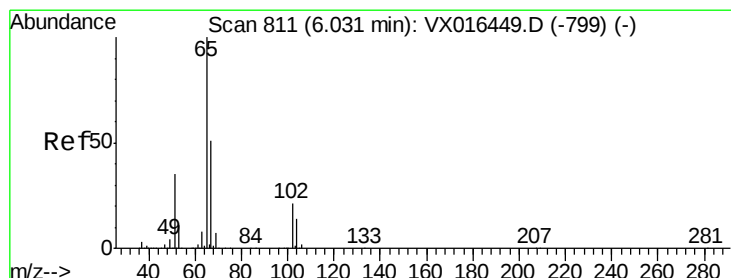
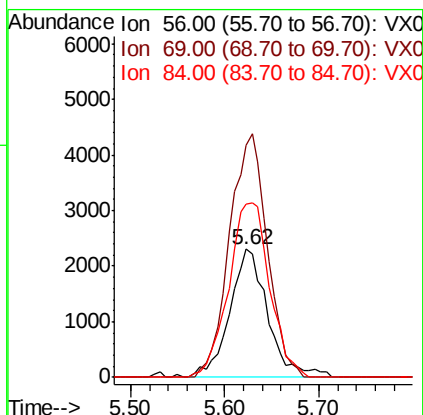
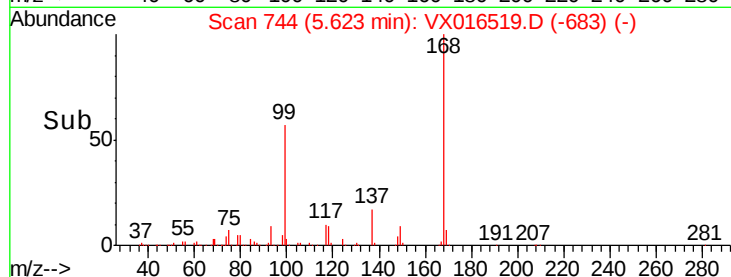
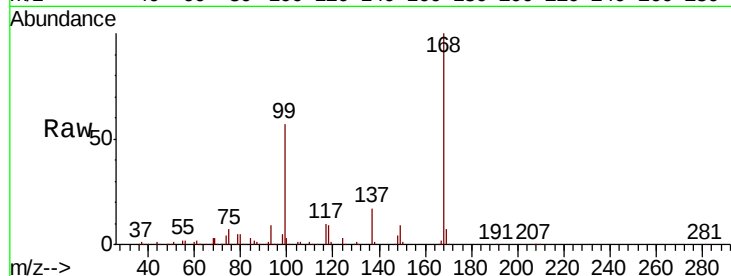




#31
Cvclohexane
Concen: 1.085 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016519.D
Acq: 01 Jun 2020 11:34

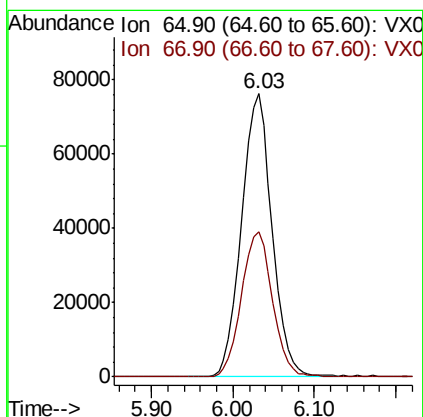
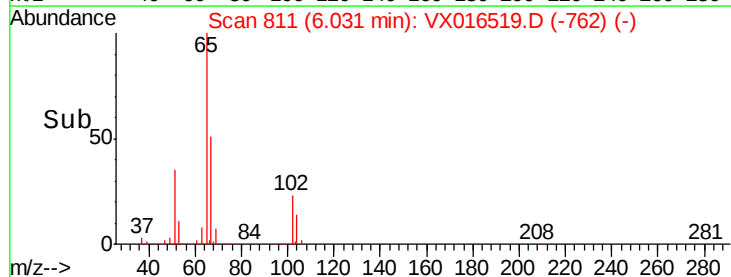
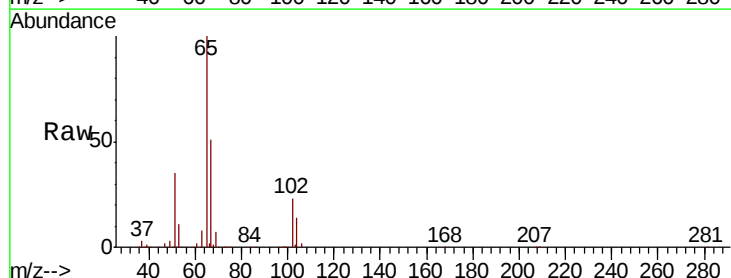
Instrument :
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ClientSampleId :
Z2-TB7-200527

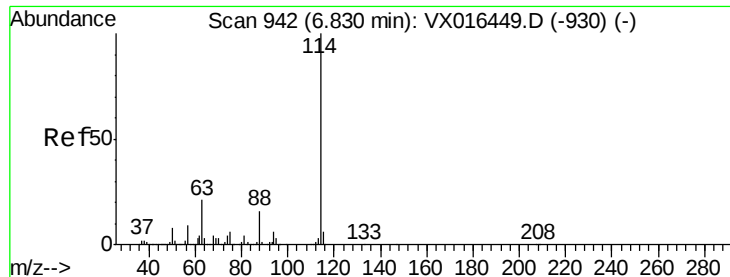
Tot Ion: 56 Resp: 6492
Ion Ratio Lower Upper
56 100
69 181.3 25.7 38.5#
84 135.4 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 45.982 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016519.D
Acq: 01 Jun 2020 11:34

Tgt Ion: 65 Resp: 197967
Ion Ratio Lower Upper
65 100
67 52.4 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: VX016519.D

Acq: 01 Jun 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

Z2-TB7-200527

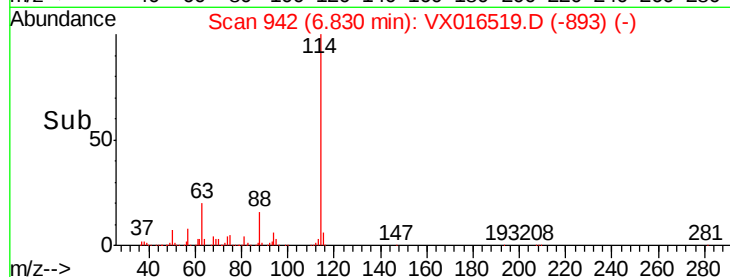
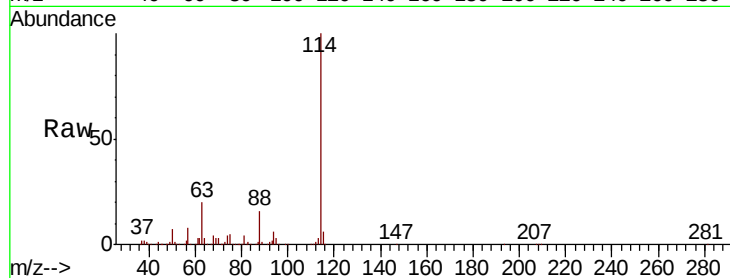
Tot Ion:114 Resp: 556499

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

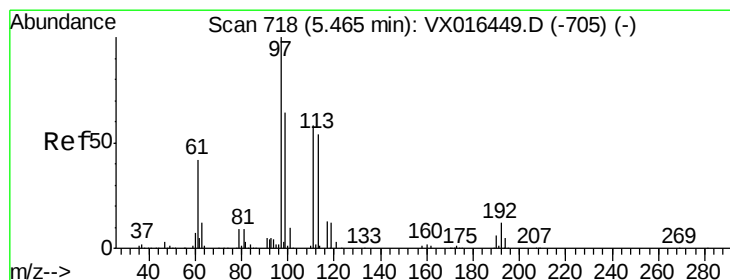
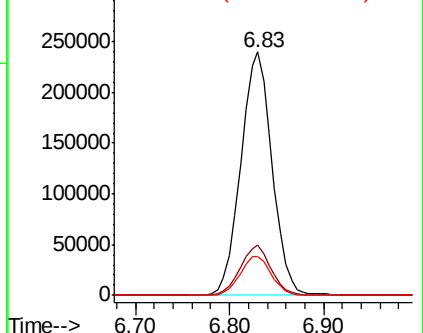
88 16.0 0.0 32.8



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: 46.250 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016519.D

Acq: 01 Jun 2020 11:34

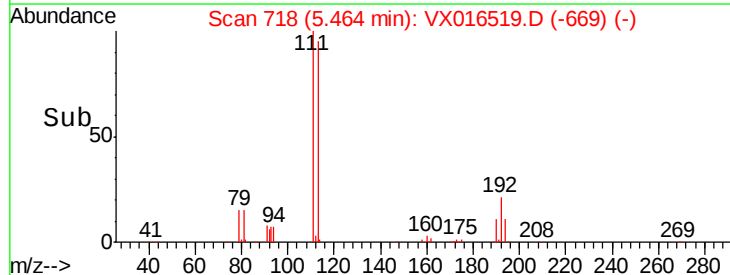
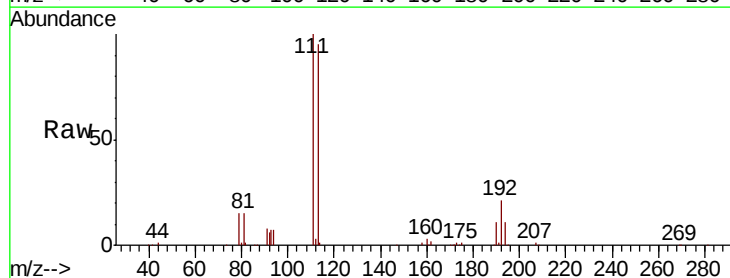
Tgt Ion:113 Resp: 158482

Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.6

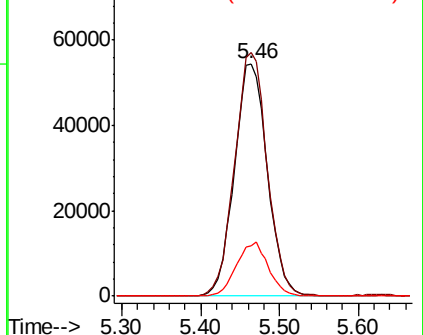
192 22.5 17.7 26.5

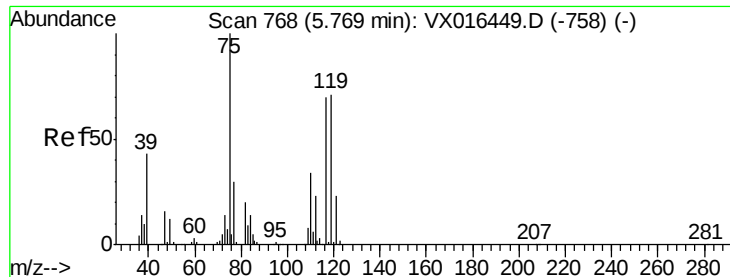


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

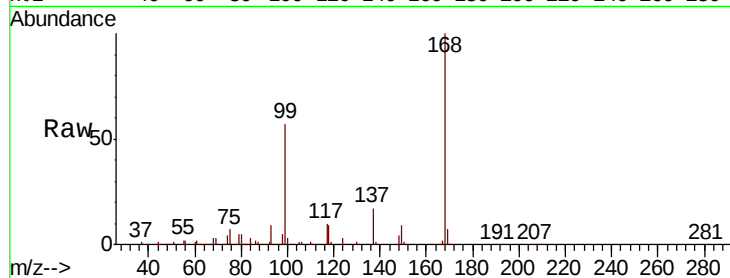




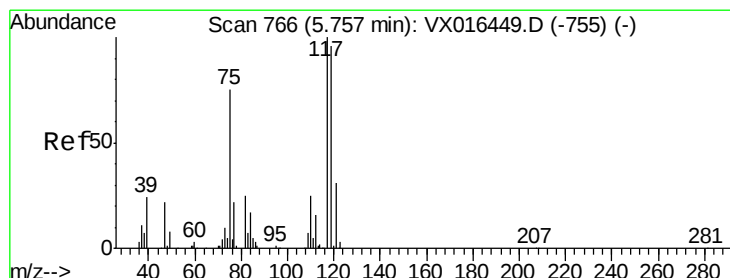
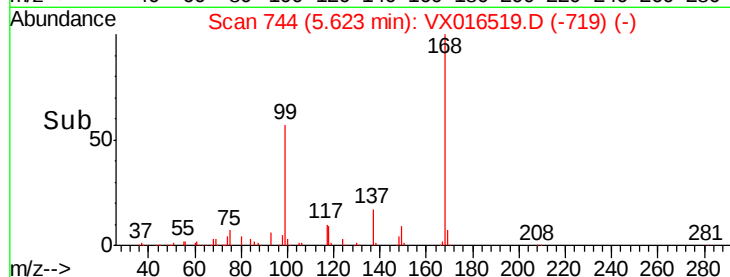
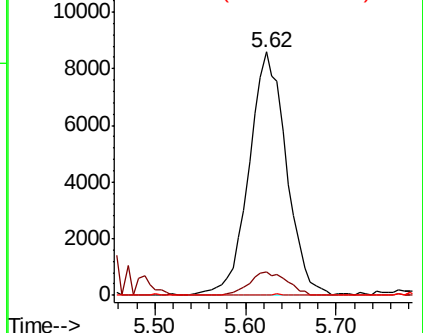
#36
 1,1-Dichloropropene
 Concen: 4.645 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.15 min
 Lab File: VX016519.D
 Acq: 01 Jun 2020 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-TB7-200527

Tot Ion	75	110	77	Resp	Lower	Upper
24476	100	9.8	0.1		17.4	52.3#
					24.2	36.4#

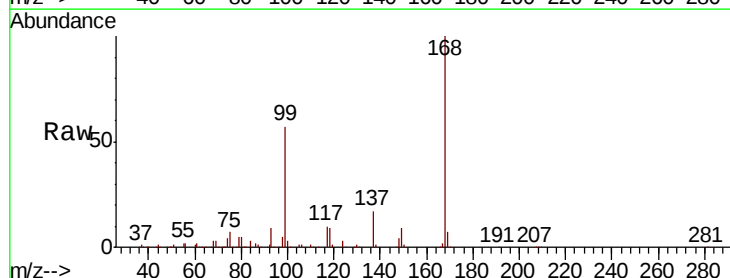


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

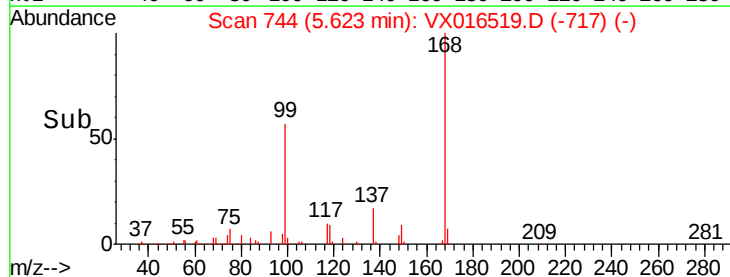
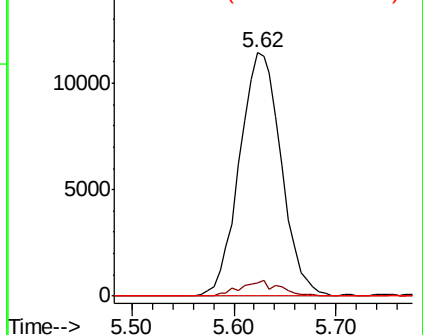


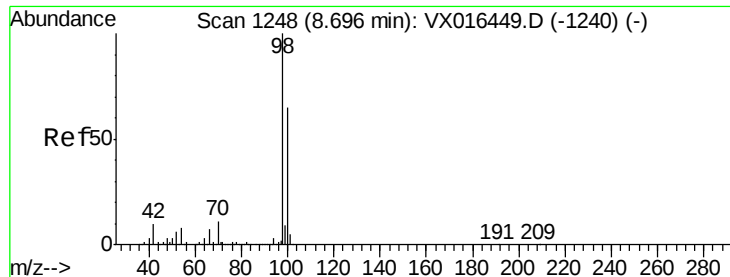
#38
 Carbon Tetrachloride
 Concen: 5.860 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX016519.D
 Acq: 01 Jun 2020 11:34

Tgt Ion	117	119	121	Resp	Lower	Upper
32445	100	5.3	0.0		76.3	114.5#
					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: 52.341 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016519.D

Acq: 01 Jun 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

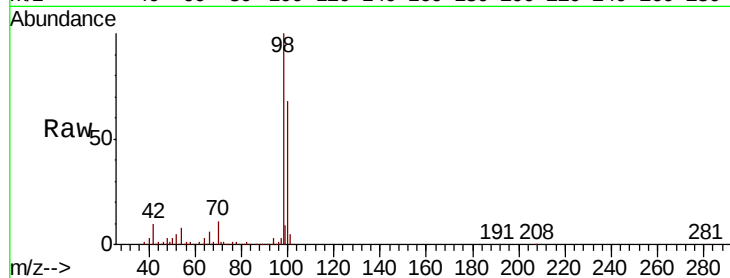
Z2-TB7-200527

Tot Ion: 98 Resp: 698078

Ion Ratio Lower Upper

98 100

100 66.6 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.70

500000

400000

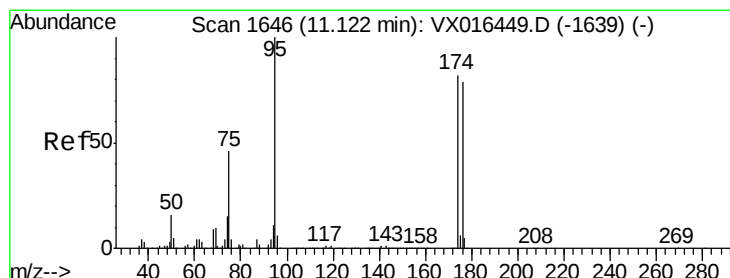
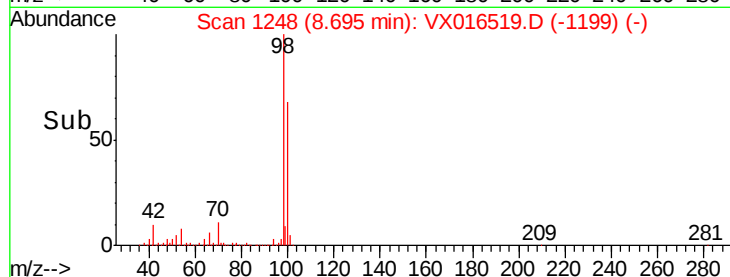
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.198 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016519.D

Acq: 01 Jun 2020 11:34

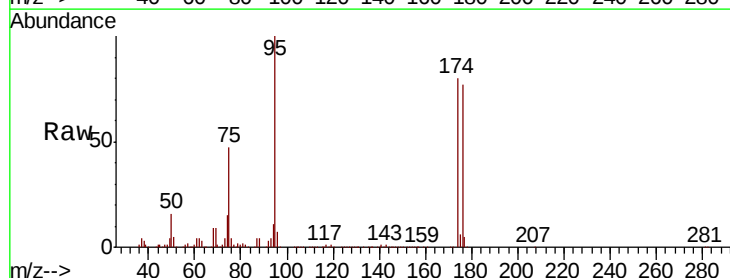
Tgt Ion: 95 Resp: 284461

Ion Ratio Lower Upper

95 100

174 81.2 0.0 163.0

176 79.0 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

300000

250000

200000

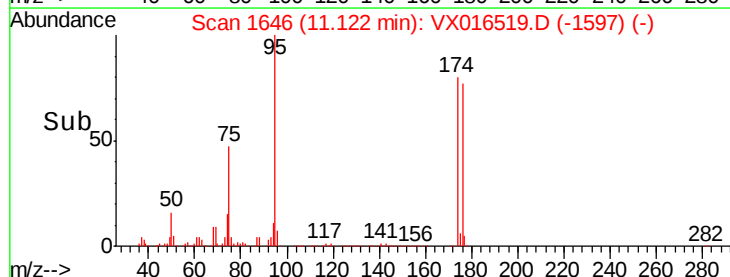
150000

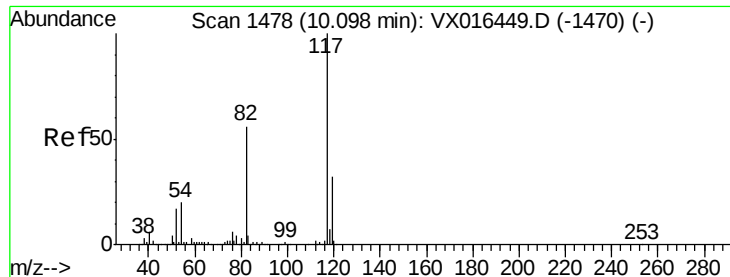
100000

50000

0

Time-->

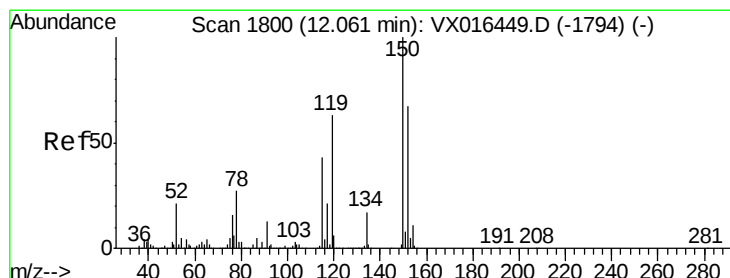
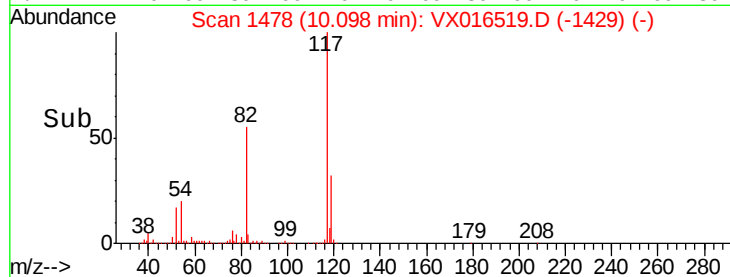
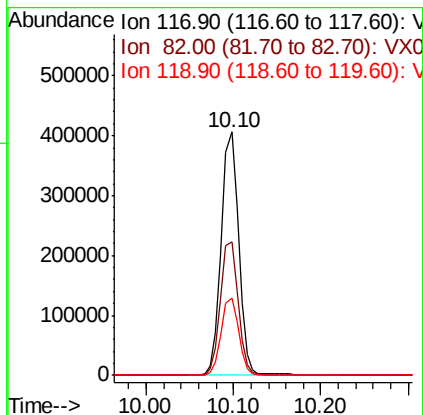
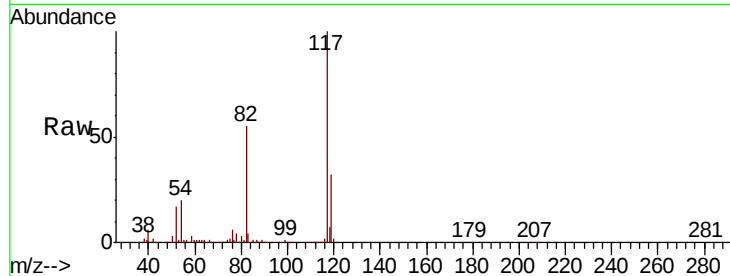




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016519.D
Acq: 01 Jun 2020 11:34

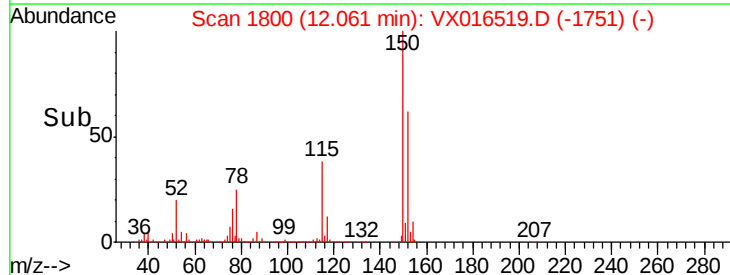
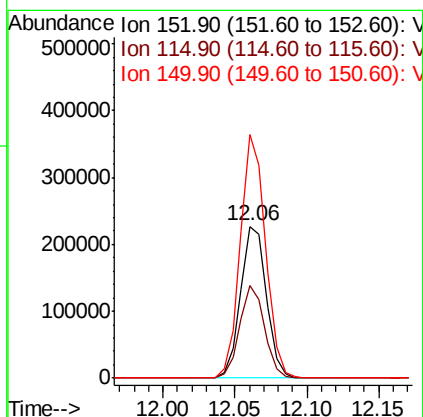
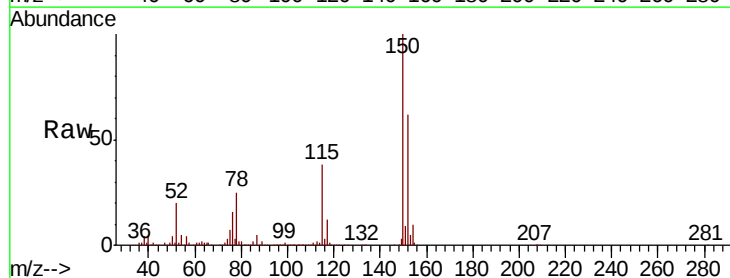
Instrument :
MSVOA_X
ClientSampled :
Z2-TB7-200527

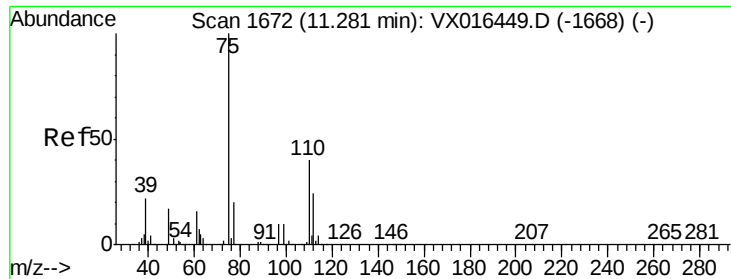
Tot Ion:117 Resp: 562794
Ion Ratio Lower Upper
117 100
82 54.8 45.0 67.6
119 31.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016519.D
Acq: 01 Jun 2020 11:34

Tgt Ion:152 Resp: 282618
Ion Ratio Lower Upper
152 100
115 59.1 39.9 119.6
150 155.7 0.0 341.0





#76

1,2,3-Trichloropropane

Concen: 22.164 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016519.D

Acq: 01 Jun 2020 11:34

Instrument :

MSVOA_X

ClientSampleId :

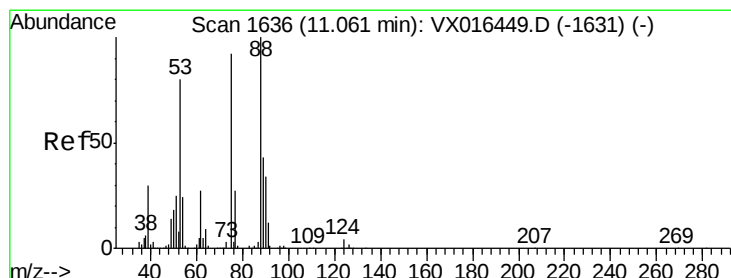
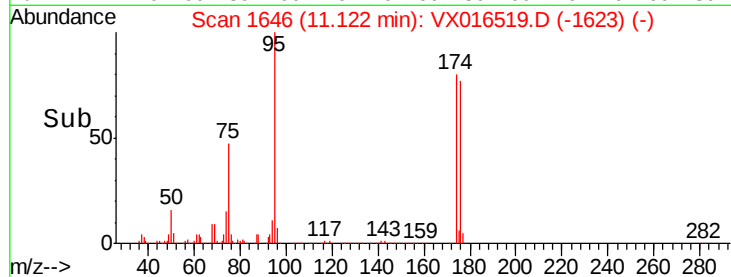
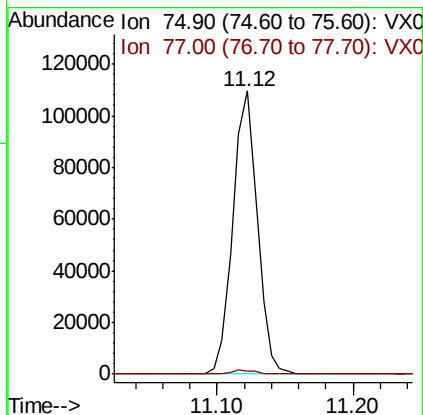
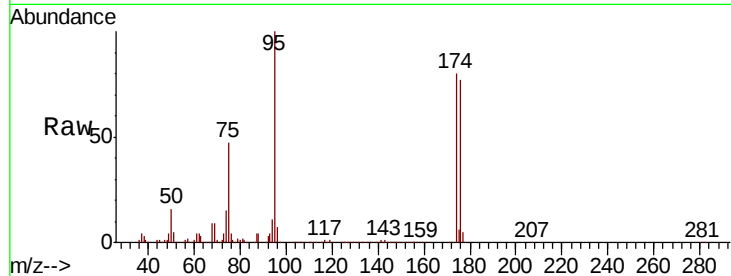
Z2-TB7-200527

Tot Ion: 75 Resp: 137682

Ion Ratio Lower Upper

75 100

77 1.5 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 54.519 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016519.D

Acq: 01 Jun 2020 11:34

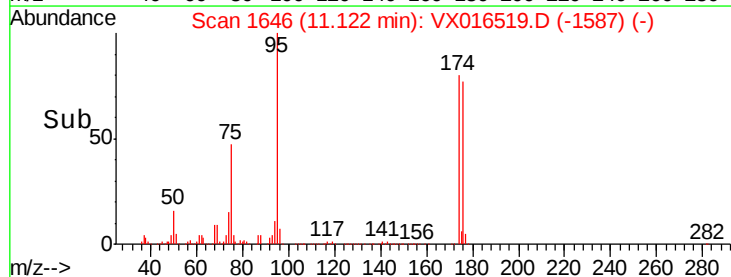
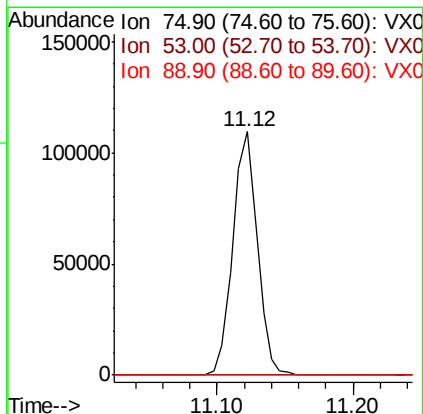
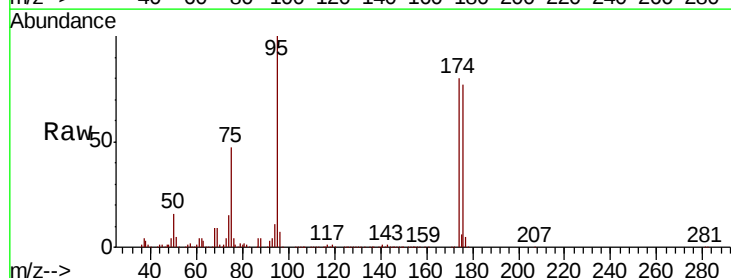
Tgt Ion: 75 Resp: 137682

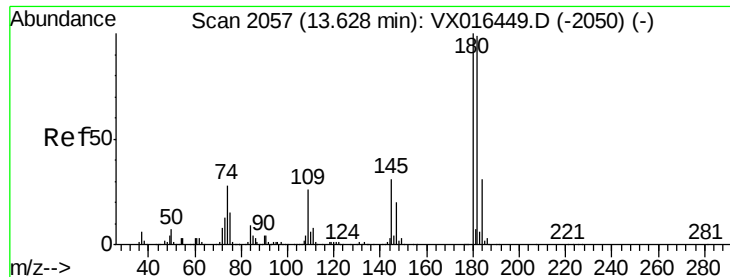
Ion Ratio Lower Upper

75 100

53 0.0 71.3 106.9#

89 0.0 36.6 55.0#

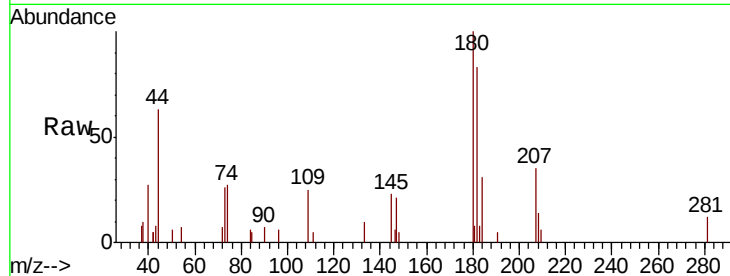




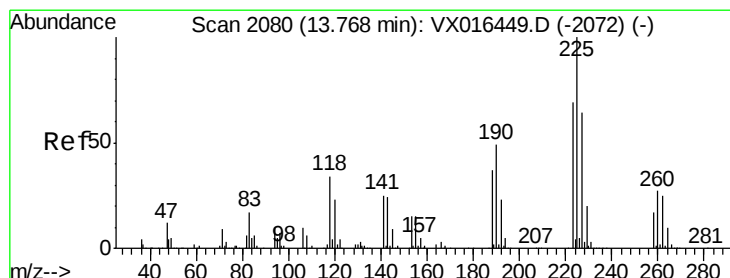
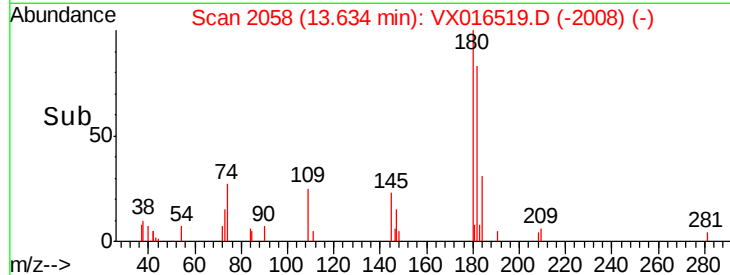
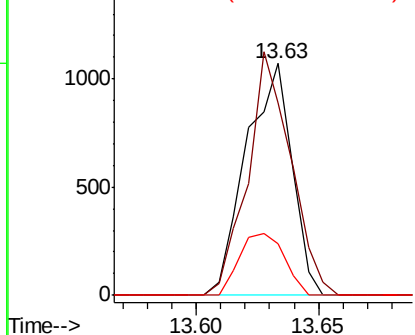
#93
 1,2,4-Trichlorobenzene
 Concen: 0.242 ug/l
 RT: 13.63 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: VX016519.D
 Acq: 01 Jun 2020 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-TB7-200527

Tot Ion:180 Resp: 1388
 Ion Ratio Lower Upper
 180 100
 182 99.3 48.3 144.8
 145 26.3 15.4 46.2

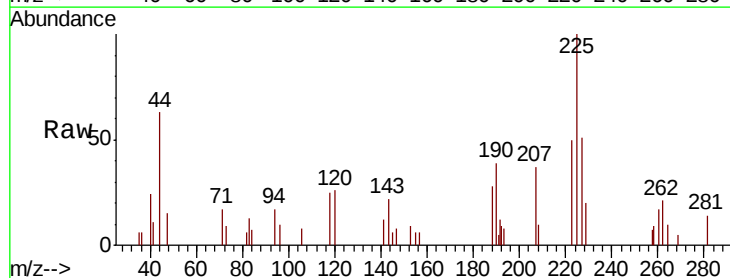


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

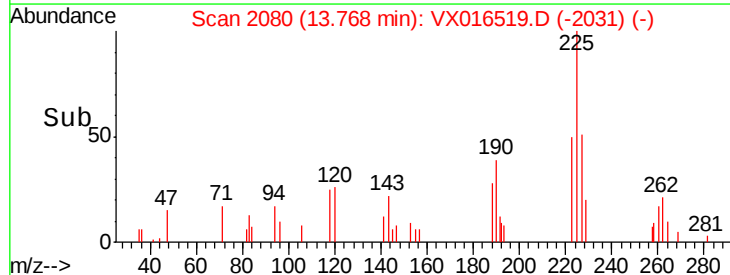
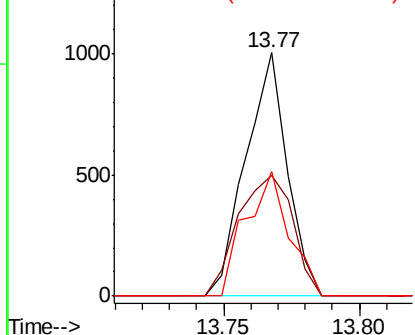


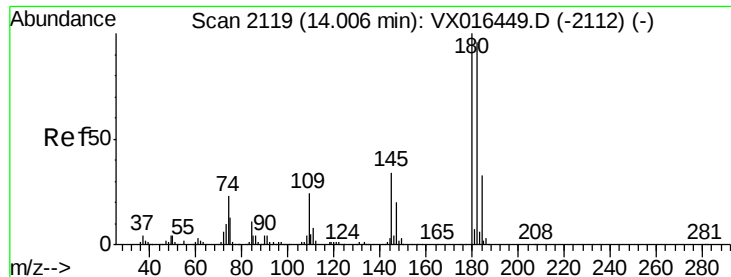
#94
 Hexachlorobutadiene
 Concen: 0.474 ug/l
 RT: 13.77 min Scan# 2080
 Delta R.T. -0.00 min
 Lab File: VX016519.D
 Acq: 01 Jun 2020 11:34

Tgt Ion:225 Resp: 1066
 Ion Ratio Lower Upper
 225 100
 223 64.8 32.3 96.8
 227 53.4 31.6 94.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

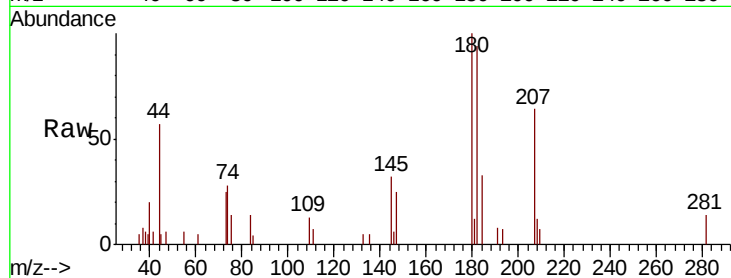




#96
 1,2,3-Trichlorobenzene
 Concen: 0.245 ug/l
 RT: 14.01 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VX016519.D
 Acq: 01 Jun 2020 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 Z2-TB7-200527

Tot Ion:180 Resp: 1374
 Ion Ratio Lower Upper
 180 100
 182 103.3 48.6 145.8
 145 35.9 16.6 49.8



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

