

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051120\
 Data File : VX016144.D
 Acq On : 11 May 2020 13:26
 Operator : JC/SP
 Sample : L2552-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-DUP-0553-200507

Quant Time: May 11 18:33:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 06 06:43:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	291757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	476811	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	466512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	242310	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	177668	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	
35) Dibromofluoromethane	5.47	113	141238	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	
50) Toluene-d8	8.70	98	589456	50.64	ug/l	0.00
Spiked Amount			Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.12	95	236105	53.33	ug/l	0.00
Spiked Amount			Recovery	=	106.66%	

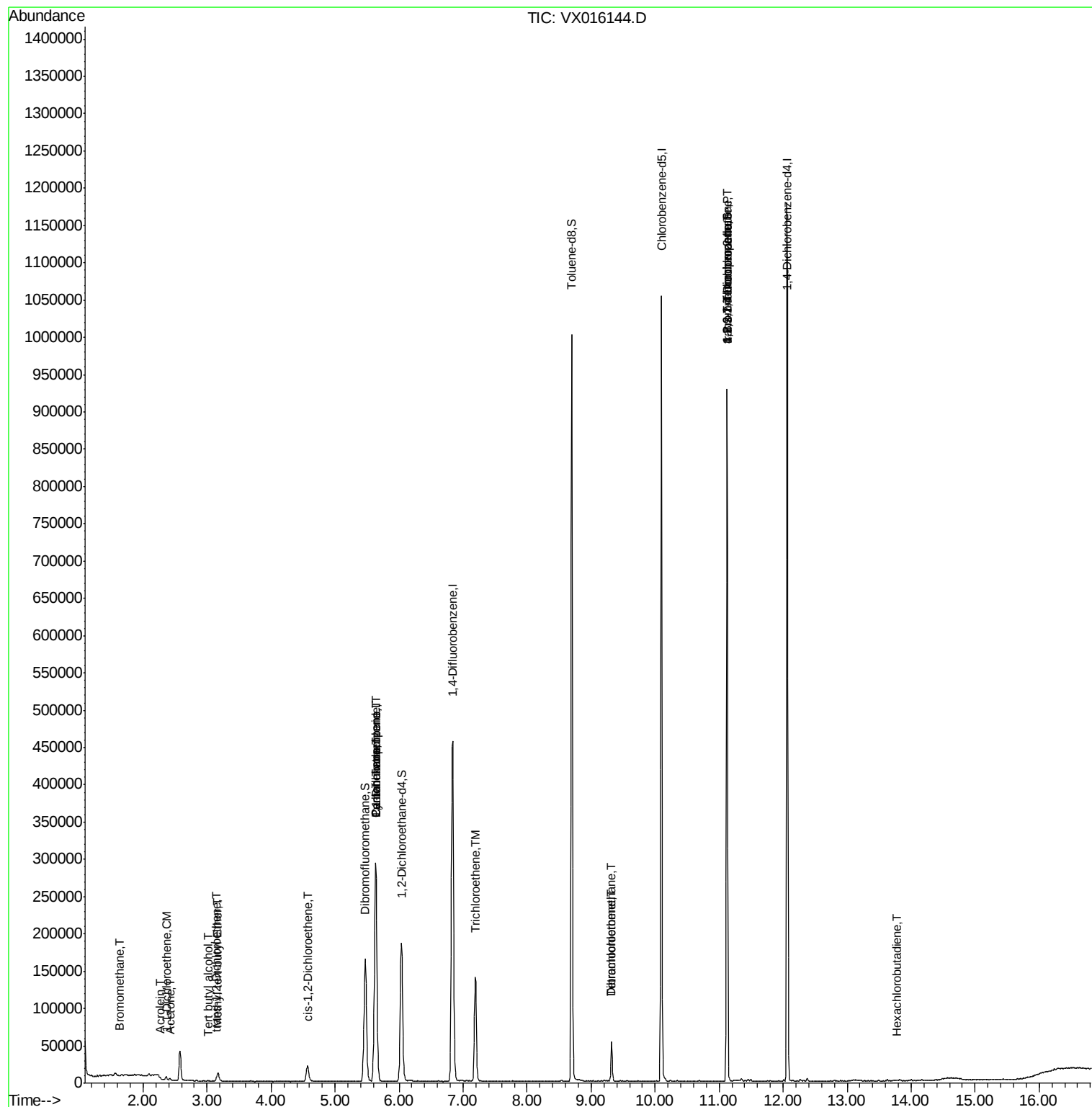
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	482	0.250	ug/l	83
11) Tert butyl alcohol	3.02	59	510	0.525	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	1639	0.540	ug/l	91
13) Acrolein	2.27	56	381	0.627	ug/l	92
16) Acetone	2.42	43	2553	1.490	ug/l #	82
19) Methyl tert-butyl Ether	3.17	73	12430	1.189	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	1040	0.308	ug/l #	66
27) cis-1,2-Dichloroethene	4.57	96	14293	3.868	ug/l	82
31) Cyclohexane	5.63	56	5543	1.039	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	21000	4.474	ug/l #	49
38) Carbon Tetrachloride	5.63	117	27742	5.815	ug/l #	14
44) Trichloroethene	7.19	130	55180	11.310	ug/l	96
60) Dibromochloromethane	9.32	129	9304	2.508	ug/l #	11
64) Tetrachloroethene	9.32	164	9851	1.720	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.12	83	210	2.113	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	117516	21.372	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	117516	50.931	ug/l #	13
94) Hexachlorobutadiene	13.77	225	156	0.585	ug/l	96

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

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX016144.D

Acq: 11 May 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

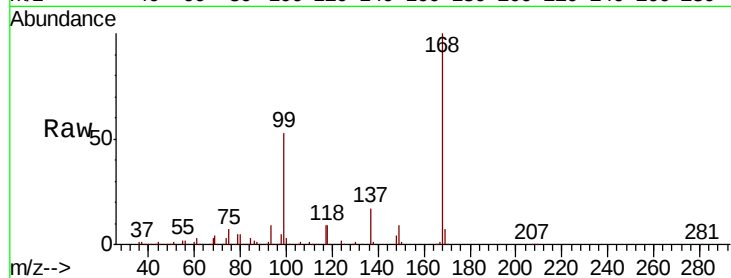
Z4-DUP-0553-200507

Tot Ion:168 Resp: 291757

Ion Ratio Lower Upper

168 100

99 52.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

120000

100000

80000

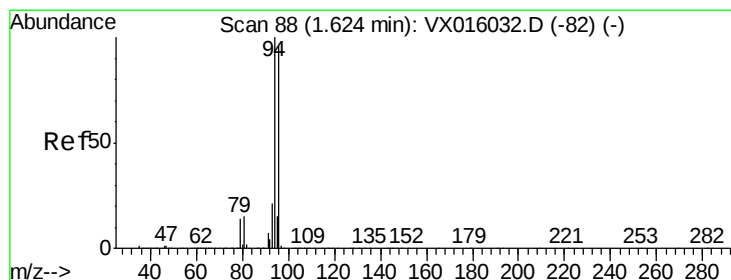
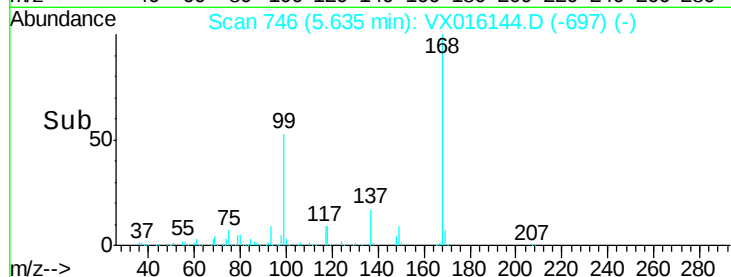
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.250 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX016144.D

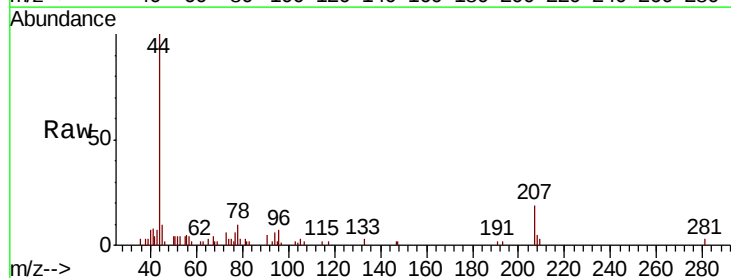
Acq: 11 May 2020 13:26

Tgt Ion: 94 Resp: 482

Ion Ratio Lower Upper

94 100

96 79.2 76.9 115.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

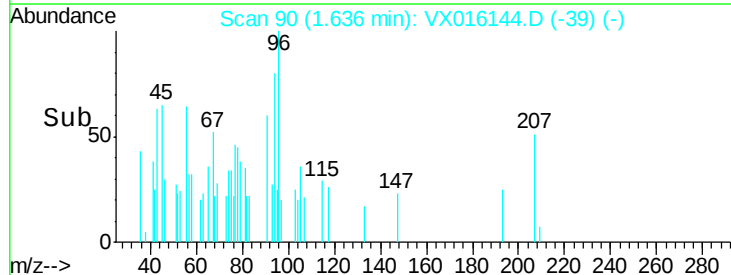
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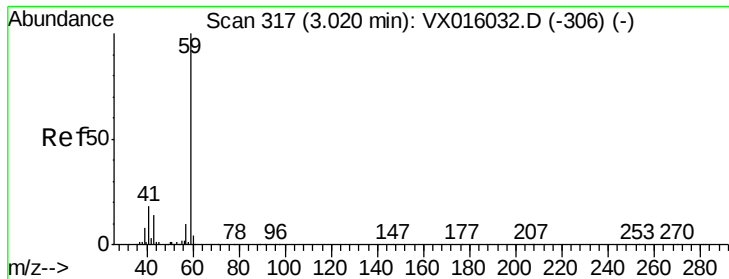
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50

0

Time-->

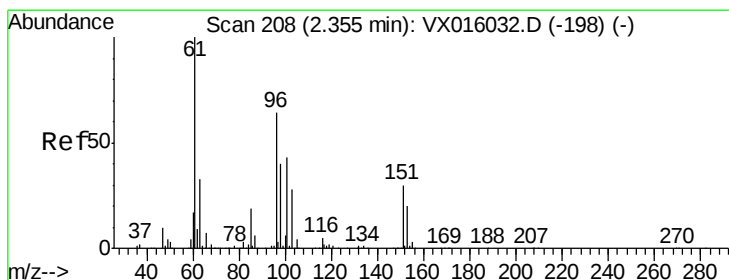
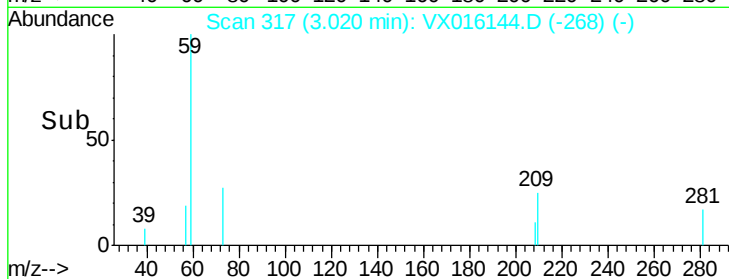
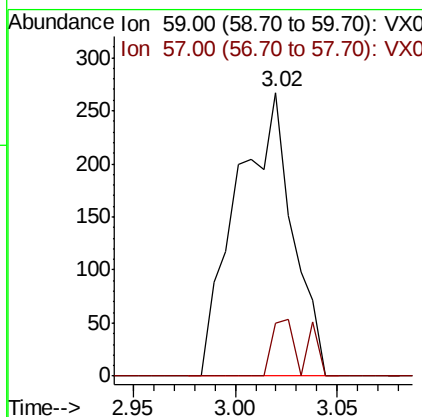
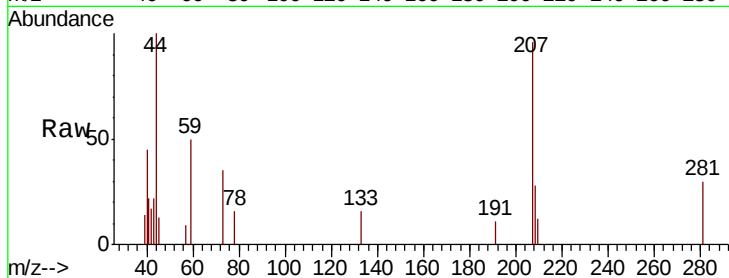




#11
Tert butyl alcohol
Concen: 0.525 ug/l
RT: 3.02 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX016144.D
Acq: 11 May 2020 13:26

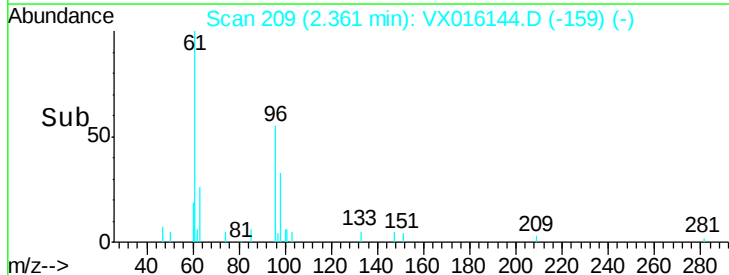
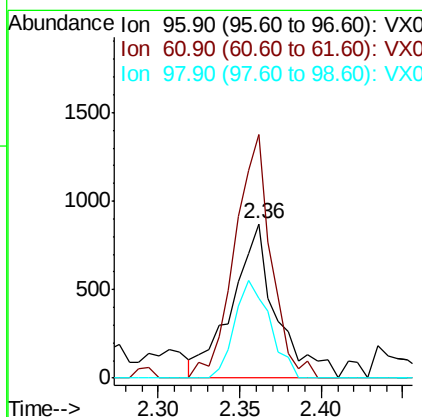
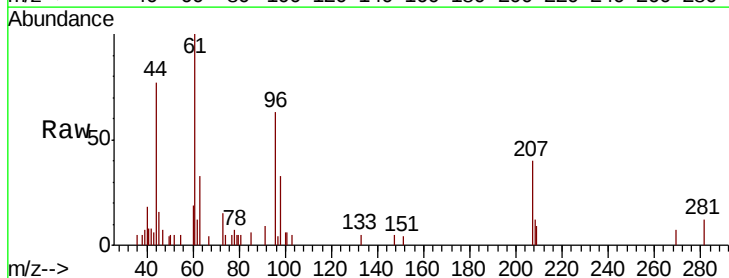
Instrument :
MSVOA_X
ClientSampleId :
Z4-DUP-0553-200507

Tot Ion: 59 Resp: 510
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 0.540 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX016144.D
Acq: 11 May 2020 13:26

Tgt Ion: 96 Resp: 1639
Ion Ratio Lower Upper
96 100
61 168.7 124.8 187.2
98 55.3 49.7 74.5

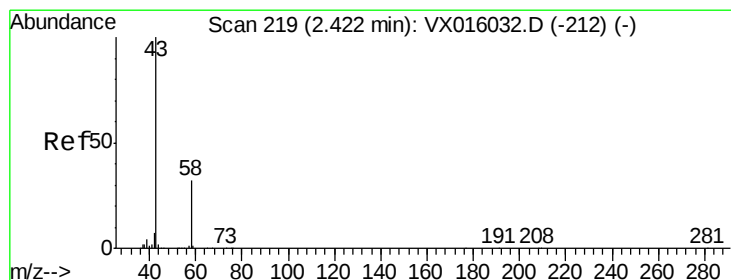
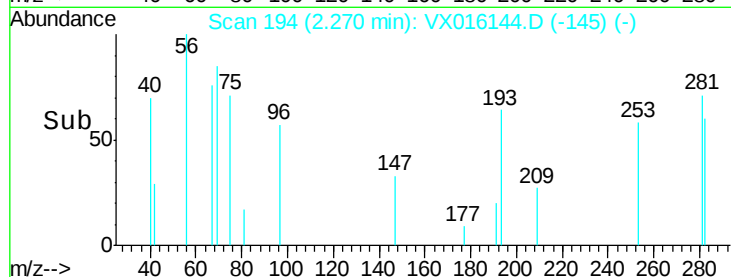
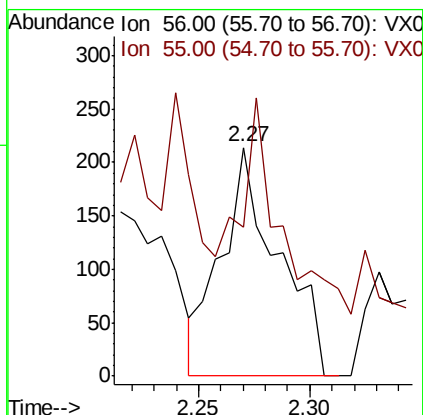
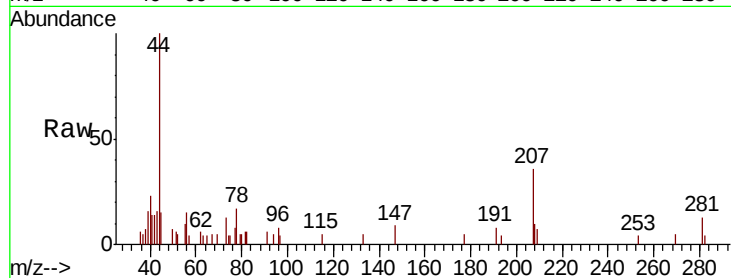




#13
Acrolein
Concen: 0.627 ug/l
RT: 2.27 min Scan# 194
Delta R.T. 0.00 min
Lab File: VX016144.D
Acq: 11 May 2020 13:26

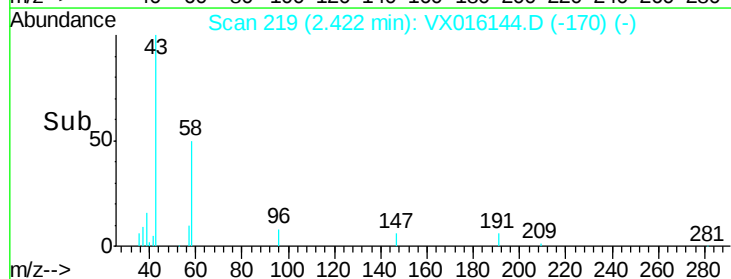
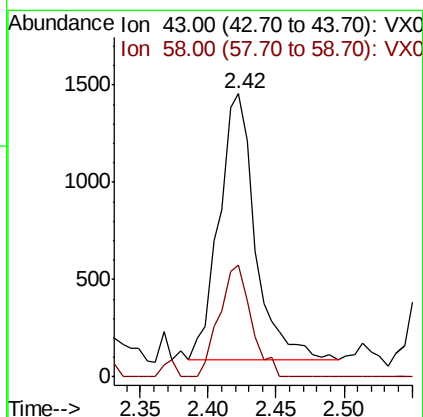
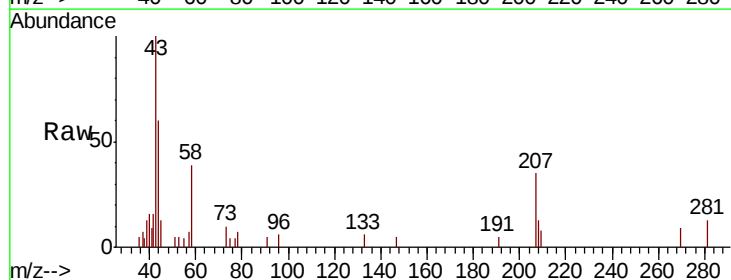
Instrument :
MSVOA_X
ClientSampleId :
Z4-DUP-0553-200507

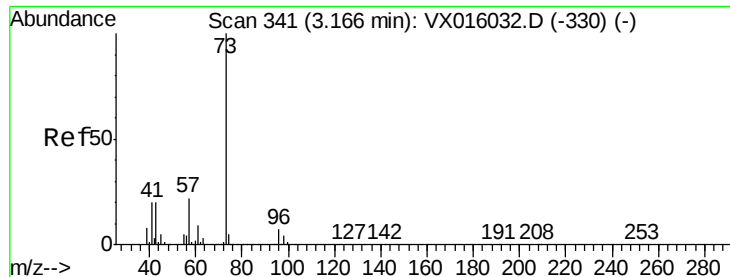
Tot Ion: 56 Resp: 381
Ion Ratio Lower Upper
56 100
55 64.0 56.5 84.7



#16
Acetone
Concen: 1.490 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX016144.D
Acq: 11 May 2020 13:26

Tgt Ion: 43 Resp: 2553
Ion Ratio Lower Upper
43 100
58 41.8 25.4 38.0#



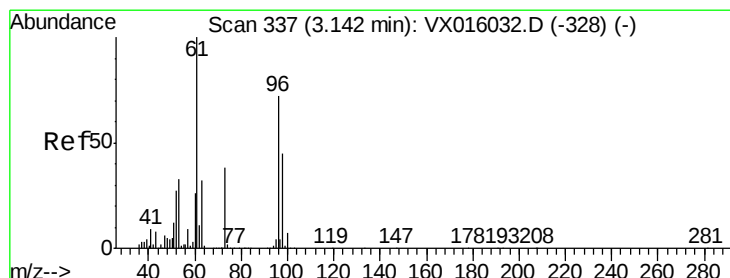
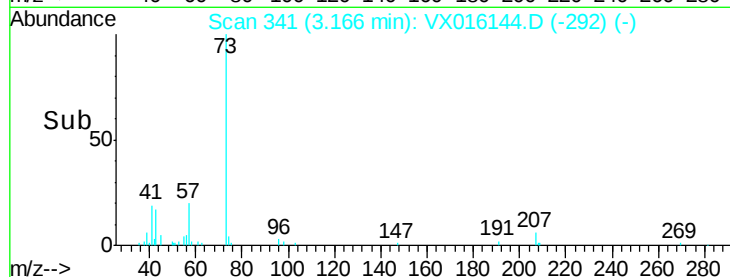
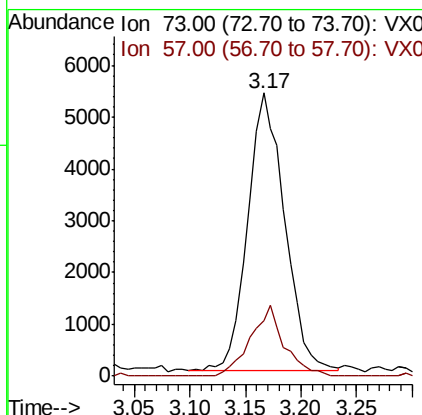
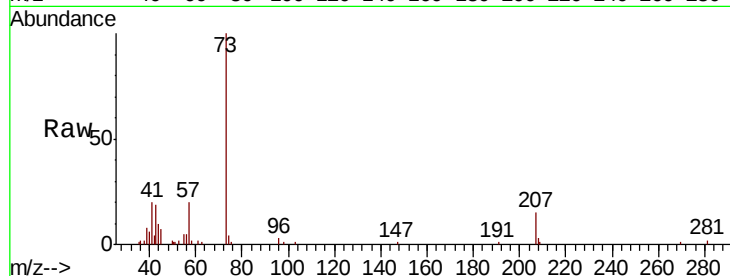


#19

Methvl tert-butvl Ether
 Concen: 1.189 ug/l
 RT: 3.17 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VX016144.D
 Acq: 11 May 2020 13:26

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-DUP-0553-200507

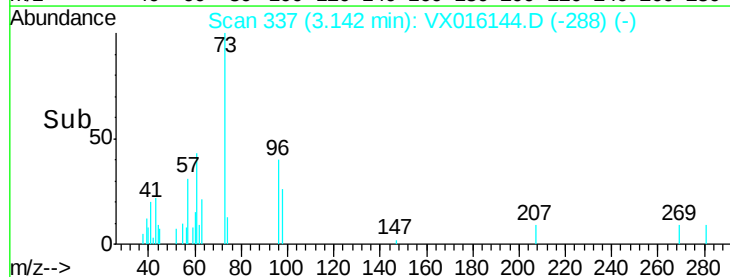
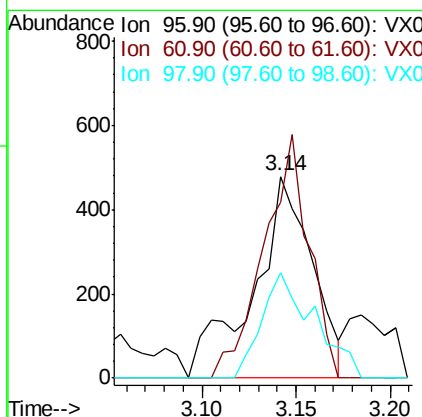
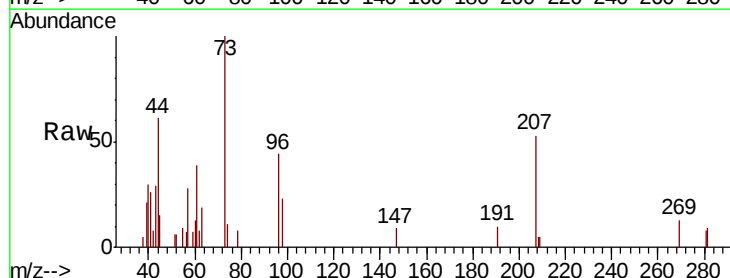
Tot Ion: 73 Resp: 12430
 Ion Ratio Lower Upper
 73 100
 57 20.1 17.8 26.6

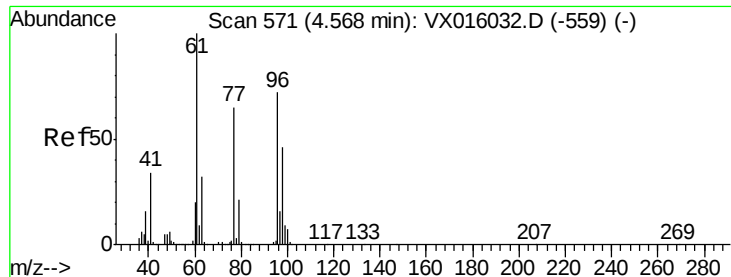


#21

trans-1,2-Dichloroethene
 Concen: 0.308 ug/l
 RT: 3.14 min Scan# 337
 Delta R.T. -0.00 min
 Lab File: VX016144.D
 Acq: 11 May 2020 13:26

Tgt Ion: 96 Resp: 1040
 Ion Ratio Lower Upper
 96 100
 61 87.1 111.2 166.8#
 98 52.0 50.2 75.4



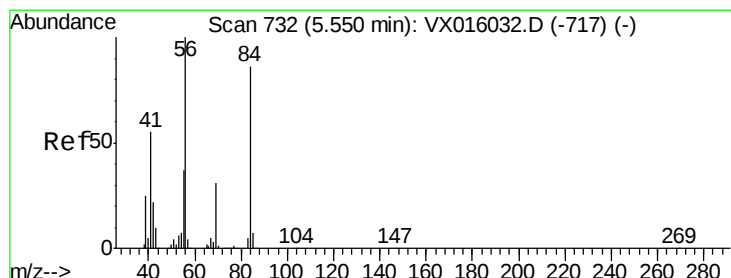
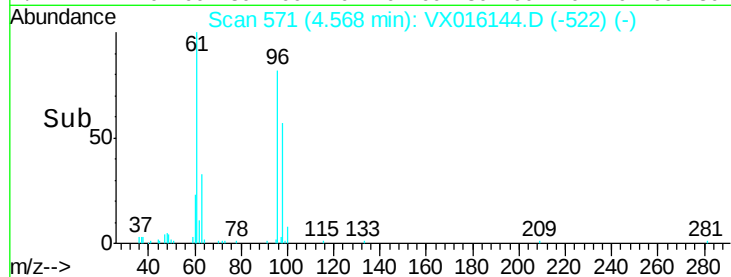
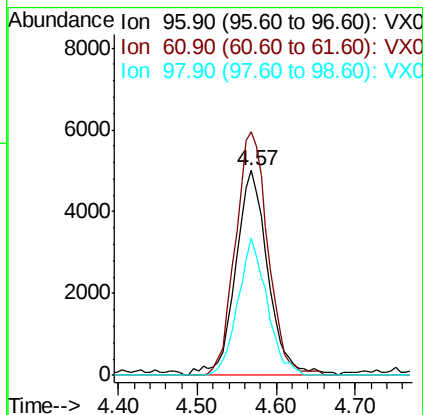
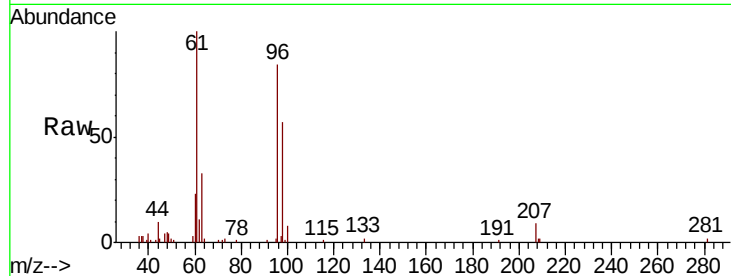


#27

cis-1,2-Dichloroethene
 Concen: 3.868 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: VX016144.D
 Acq: 11 May 2020 13:26

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-DUP-0553-200507

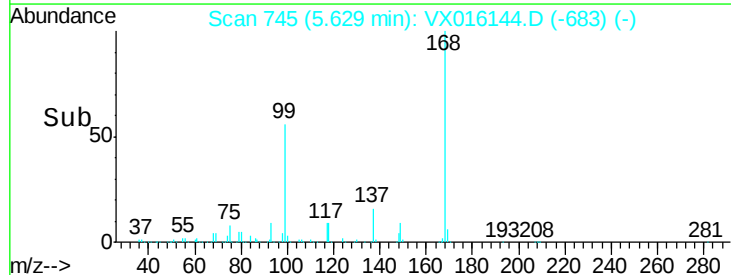
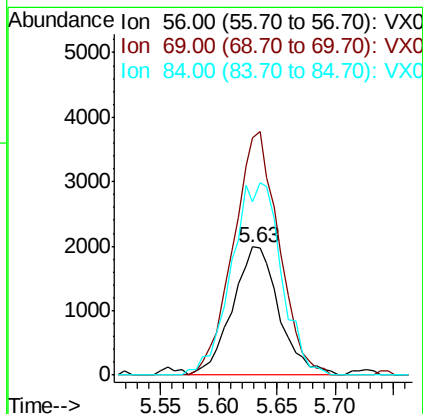
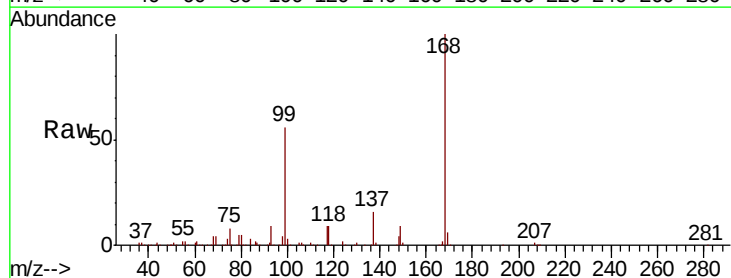
Tot Ion	96	Resp	14293
Ion	Ratio	Lower	Upper
96	100		
61	118.5	0.0	296.2
98	60.3	0.0	129.4

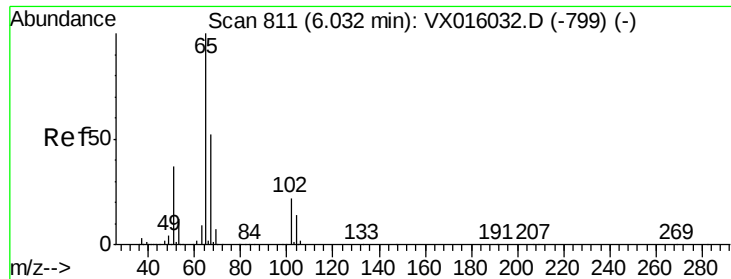


#31

Cyclohexane
 Concen: 1.039 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.08 min
 Lab File: VX016144.D
 Acq: 11 May 2020 13:26

Tgt Ion	56	Resp	5543
Ion	Ratio	Lower	Upper
56	100		
69	185.2	25.0	37.6#
84	136.0	69.0	103.6#





#33

1,2-Dichloroethane-d4

Concen: 46.277 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016144.D

Acq: 11 May 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

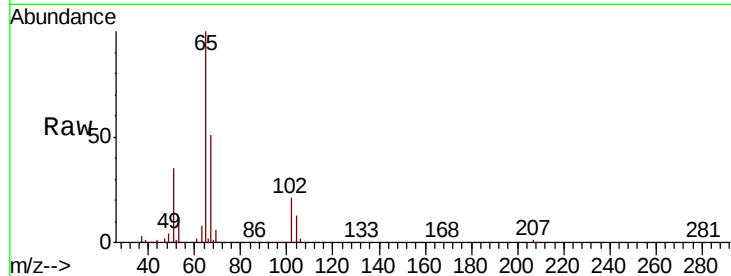
Z4-DUP-0553-200507

Tot Ion: 65 Resp: 177668

Ion Ratio Lower Upper

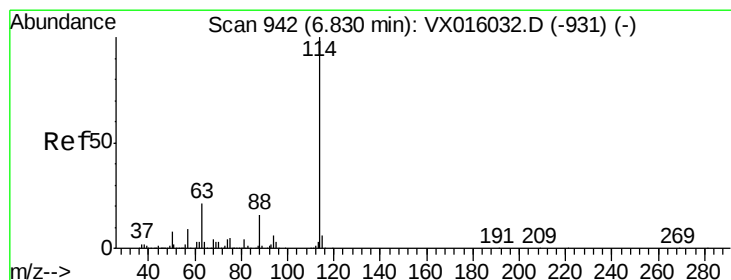
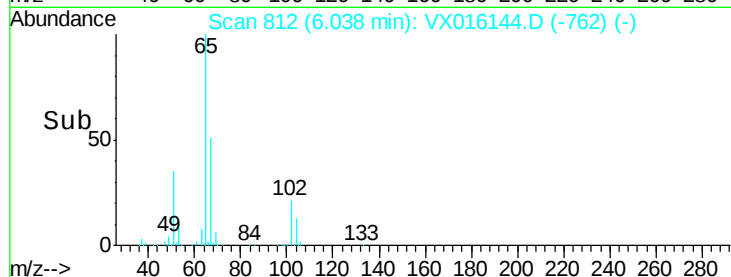
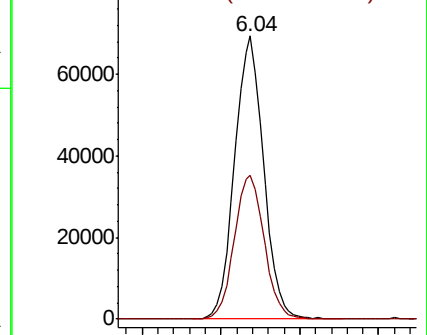
65 100

67 52.7 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: VX016144.D

Acq: 11 May 2020 13:26

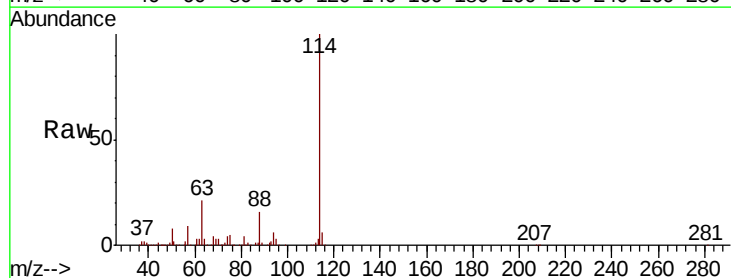
Tgt Ion: 114 Resp: 476811

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.8

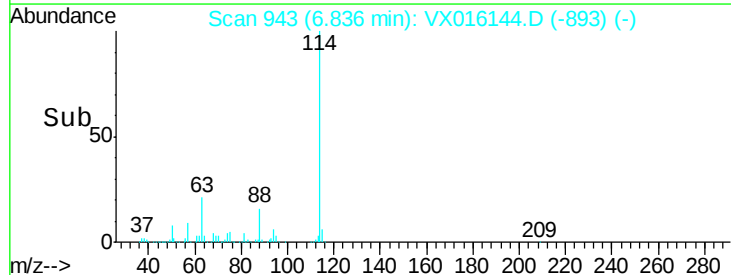
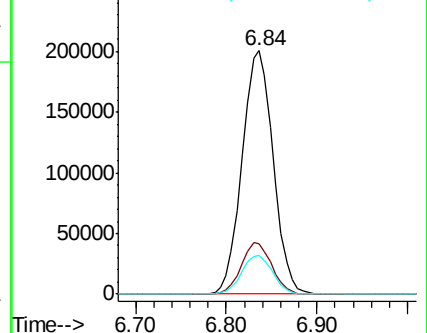
88 16.0 0.0 31.4

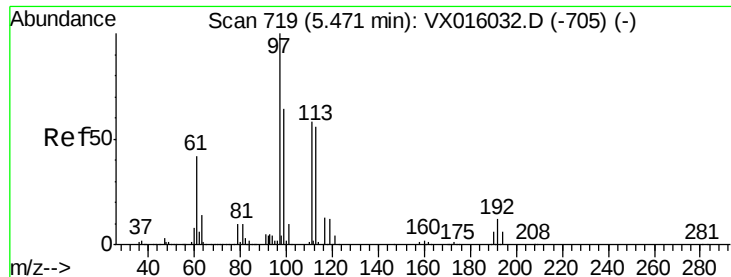


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

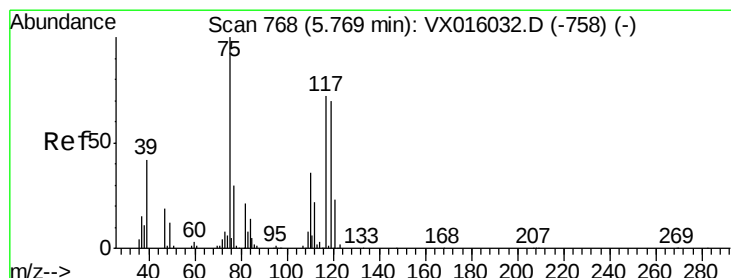
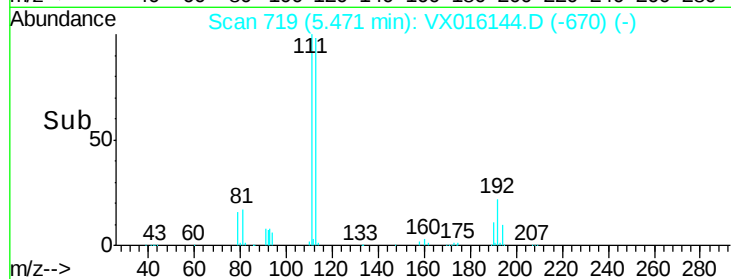
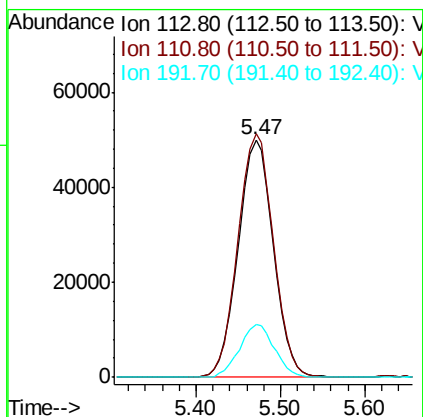
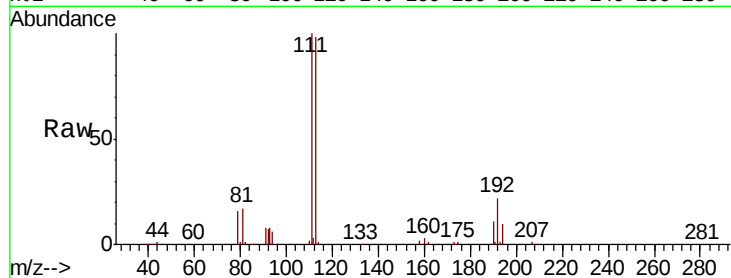




#35
 Dibromofluoromethane
 Concen: 46.755 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016144.D
 Acq: 11 May 2020 13:26

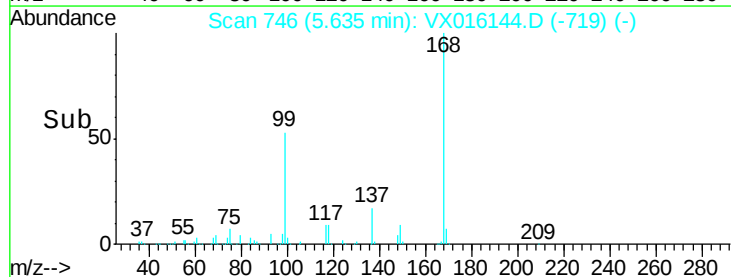
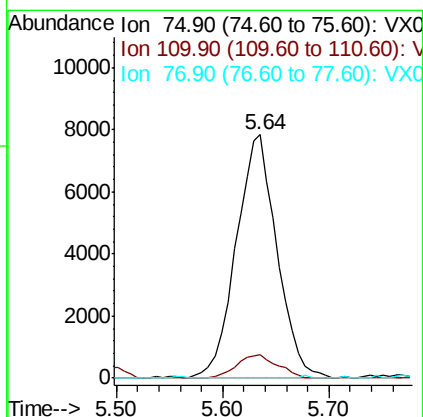
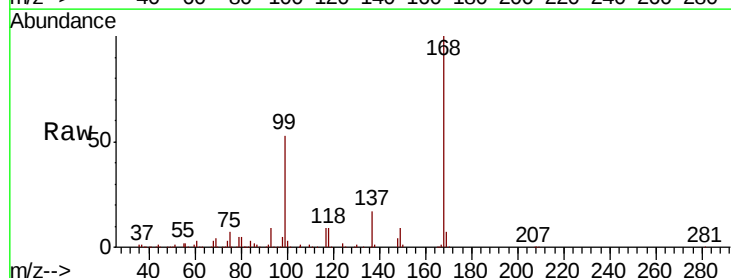
Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-DUP-0553-200507

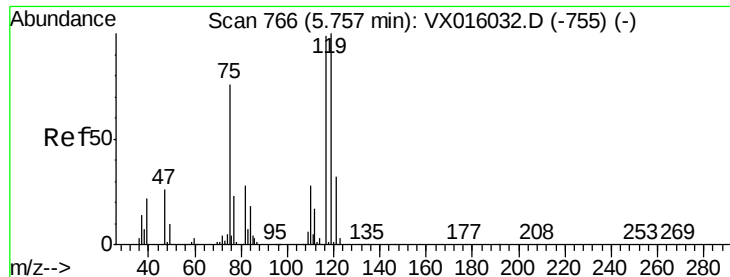
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.6	122.4
192	22.2	17.0	25.4



#36
 1,1-Dichloropropene
 Concen: 4.474 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.13 min
 Lab File: VX016144.D
 Acq: 11 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	18.1	54.1#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.815 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016144.D

Acq: 11 May 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

Z4-DUP-0553-200507

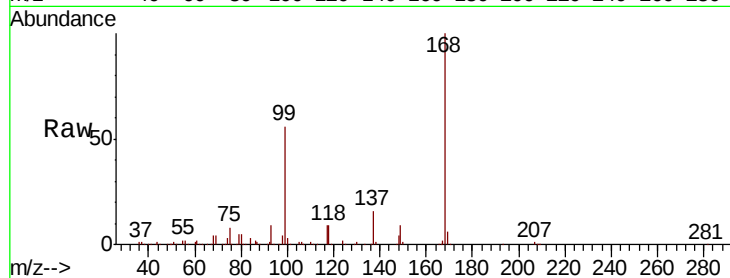
Tot Ion:117 Resp: 27742

Ion Ratio Lower Upper

117 100

119 4.8 80.3 120.5#

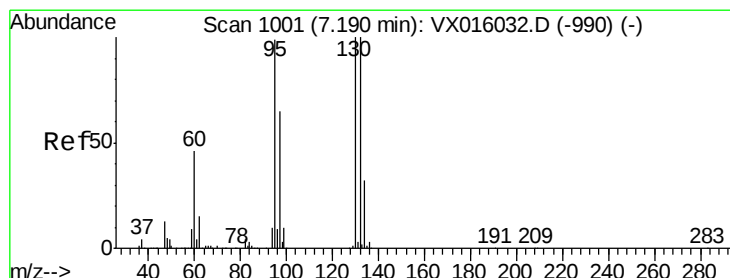
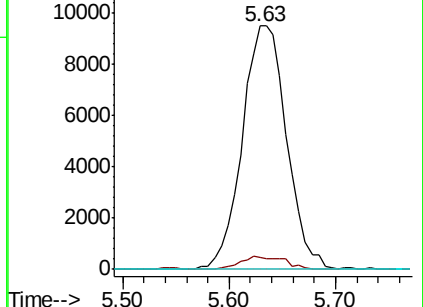
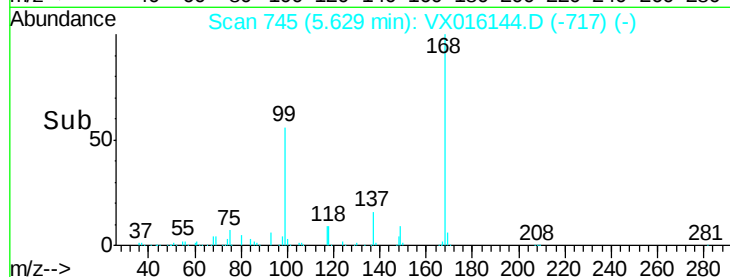
121 0.0 25.7 38.5#



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: 11.310 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VX016144.D

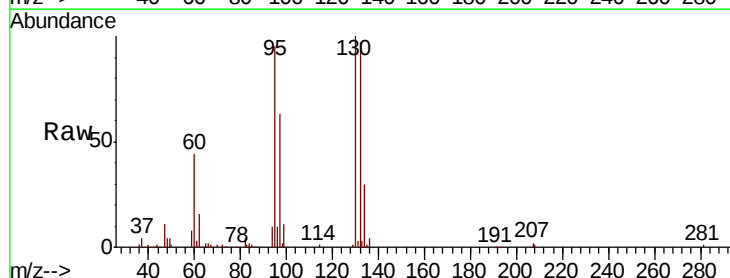
Acq: 11 May 2020 13:26

Tgt Ion:130 Resp: 55180

Ion Ratio Lower Upper

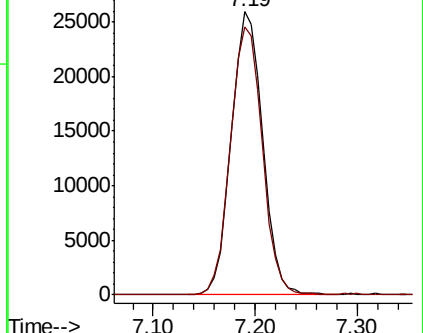
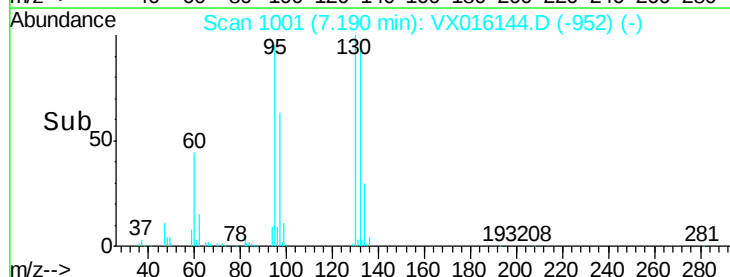
130 100

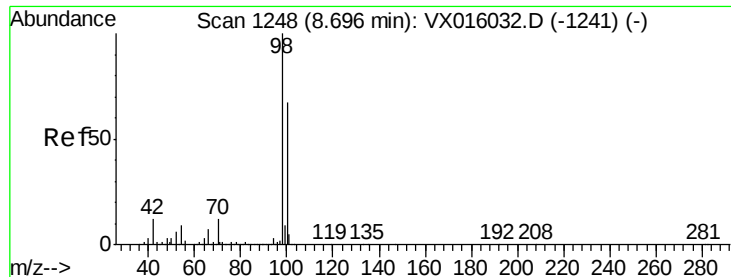
95 94.7 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 50.643 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016144.D

Acq: 11 May 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

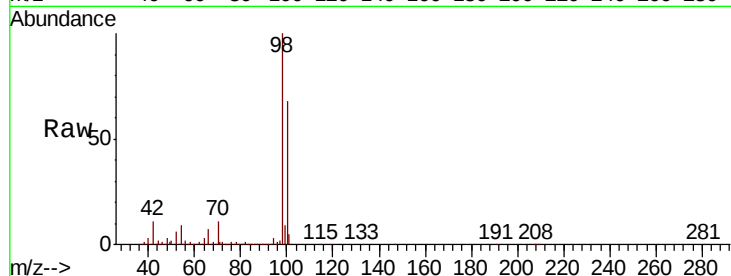
Z4-DUP-0553-200507

Tot Ion: 98 Resp: 589456

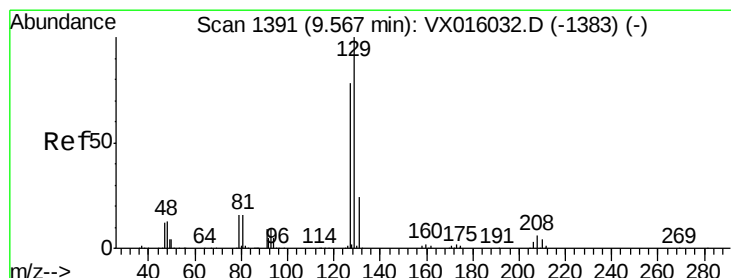
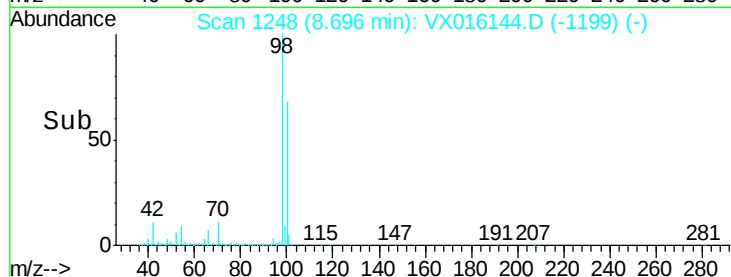
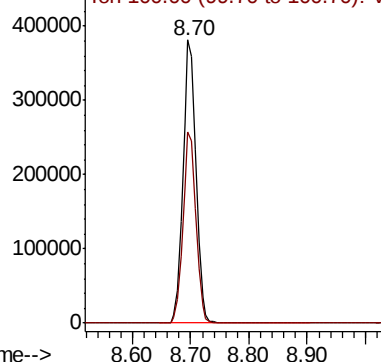
Ion Ratio Lower Upper

98 100

100 67.2 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX016144.D (-1199) (-)



#60

Dibromochloromethane

Concen: 2.508 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.25 min

Lab File: VX016144.D

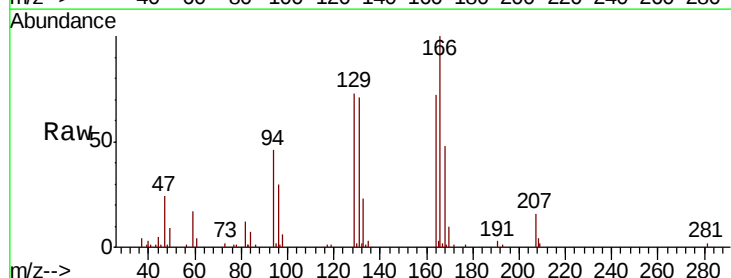
Acq: 11 May 2020 13:26

Tgt Ion: 129 Resp: 9304

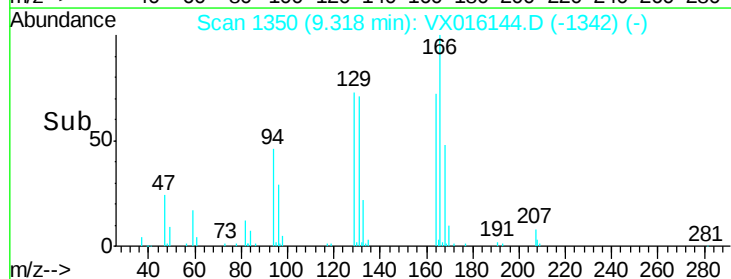
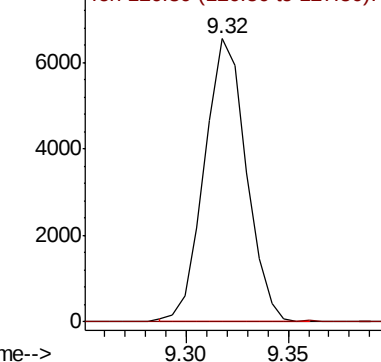
Ion Ratio Lower Upper

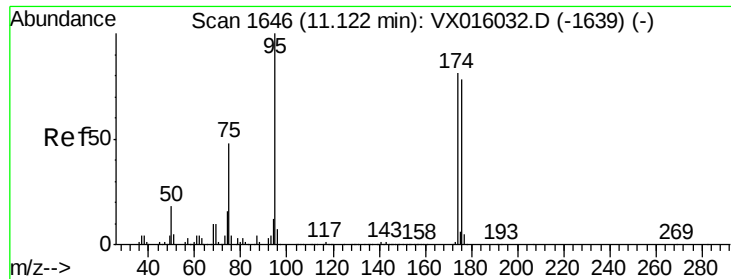
129 100

127 0.0 38.4 115.2#



Abundance Ion 128.80 (128.50 to 129.50): VX016144.D (-1342) (-)

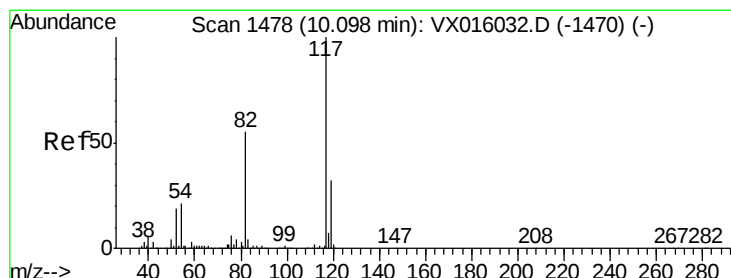
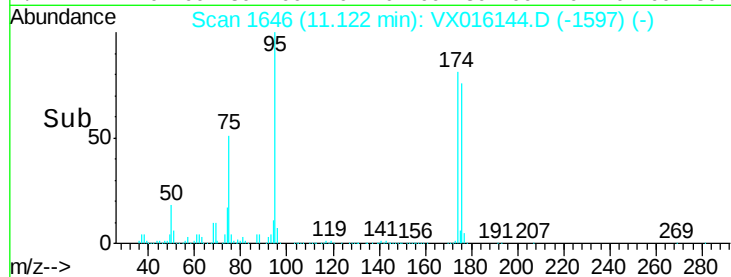
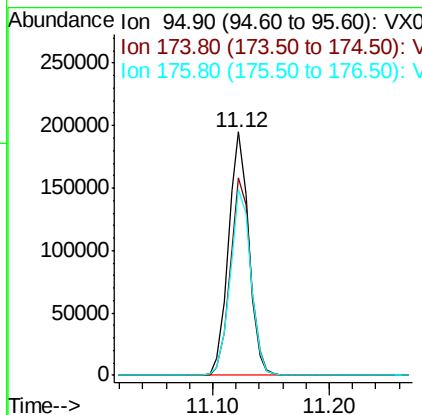
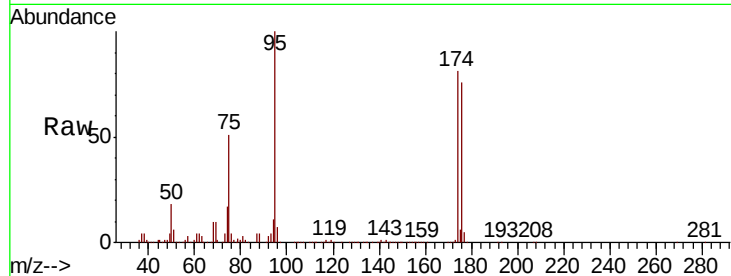




#62
4-Bromofluorobenzene
Concen: 53.332 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX016144.D
Acq: 11 May 2020 13:26

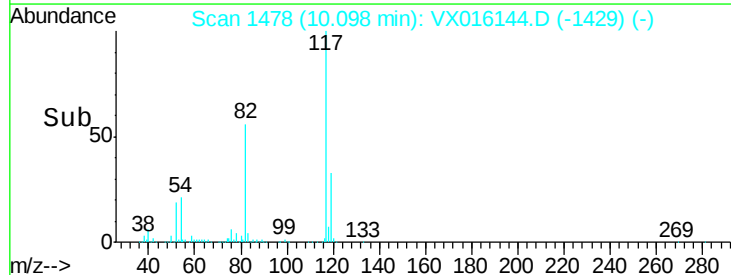
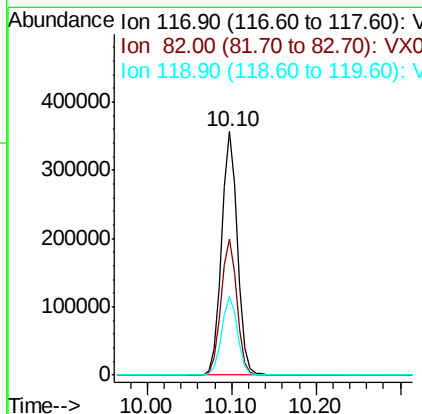
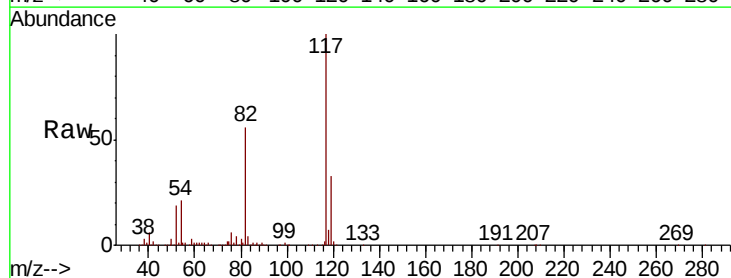
Instrument :
MSVOA_X
ClientSampleId :
Z4-DUP-0553-200507

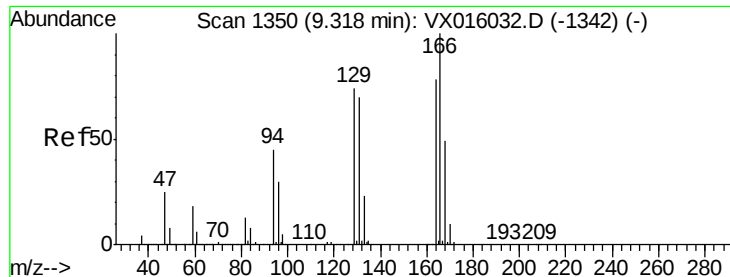
Tot Ion	Ratio	Lower	Upper
95	100		
174	82.0	0.0	159.4
176	77.9	0.0	157.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016144.D
Acq: 11 May 2020 13:26

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.4	66.6
119	32.5	25.5	38.3

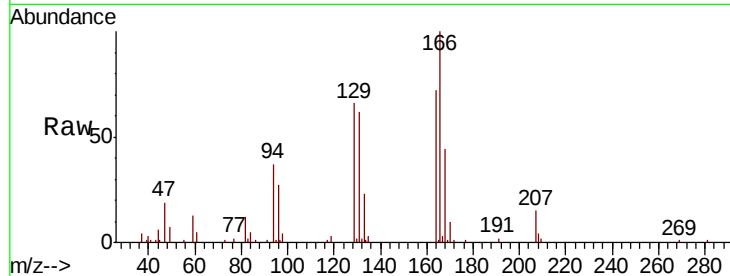




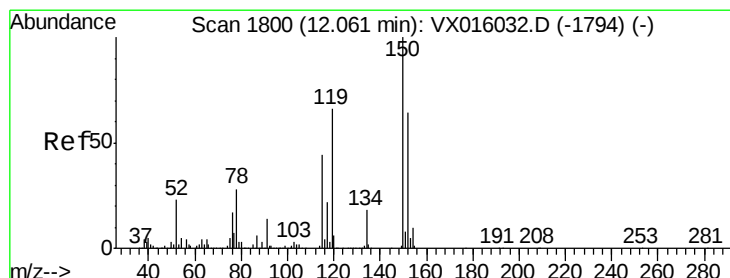
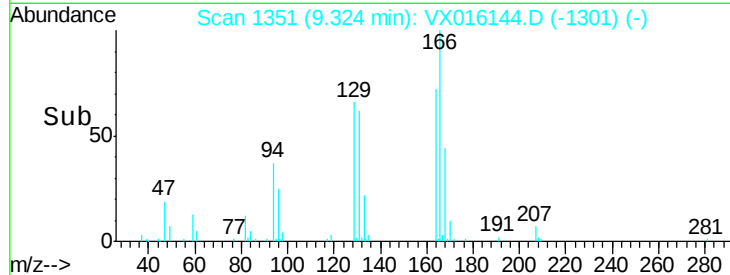
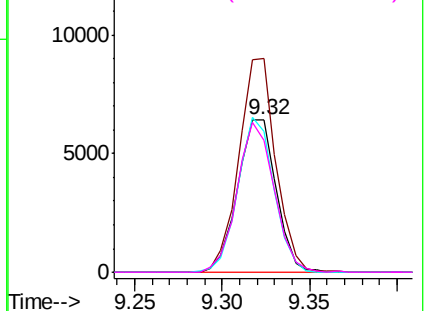
#64
Tetrachloroethene
Concen: 1.720 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX016144.D
Acq: 11 May 2020 13:26

Instrument :
MSVOA_X
ClientSampleId :
Z4-DUP-0553-200507

Tot Ion:	164	Resp:	9851
Ion	Ratio	Lower	Upper
164	100		
166	139.7	102.9	154.3
129	91.9	76.1	114.1
131	86.1	71.9	107.9

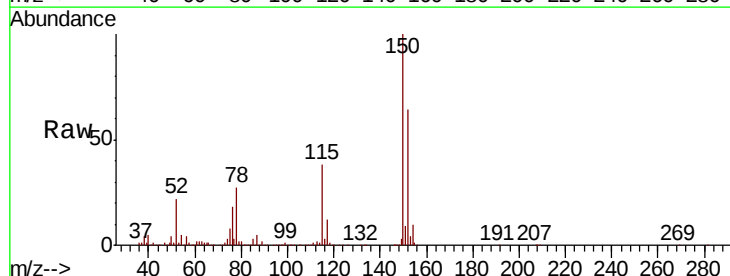


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

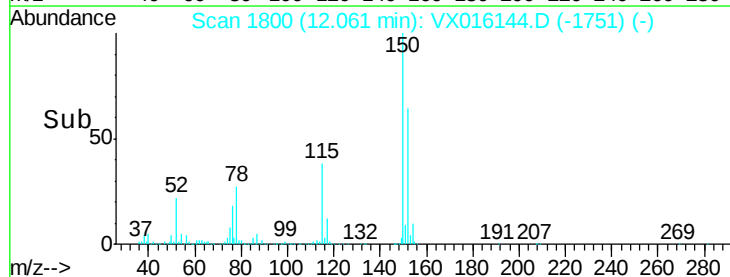
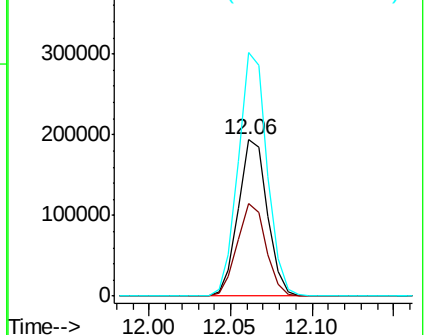


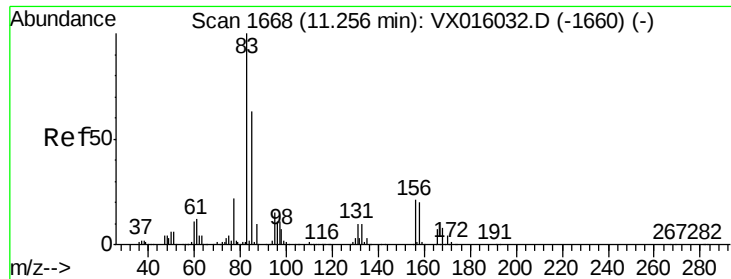
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX016144.D
Acq: 11 May 2020 13:26

Tgt Ion:	152	Resp:	242310
Ion	Ratio	Lower	Upper
152	100		
115	58.3	41.3	124.1
150	154.5	0.0	352.2



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





#75

1,1,2,2-Tetrachloroethane

Concen: 2.113 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.13 min

Lab File: VX016144.D

Acq: 11 May 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

Z4-DUP-0553-200507

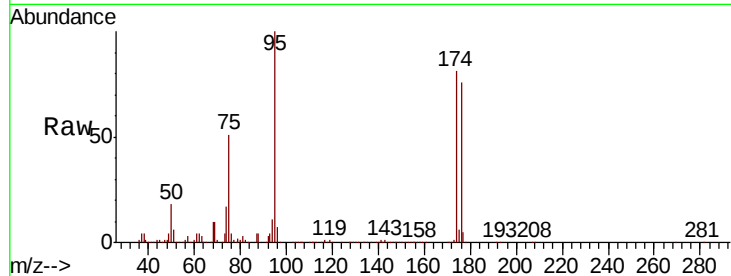
Tot Ion: 83 Resp: 210

Ion Ratio Lower Upper

83 100

131 161.4 5.1 15.4#

85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

400

300

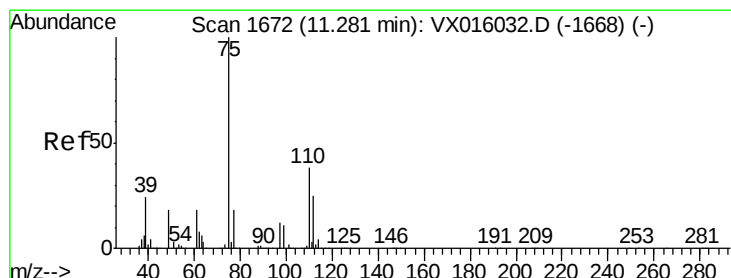
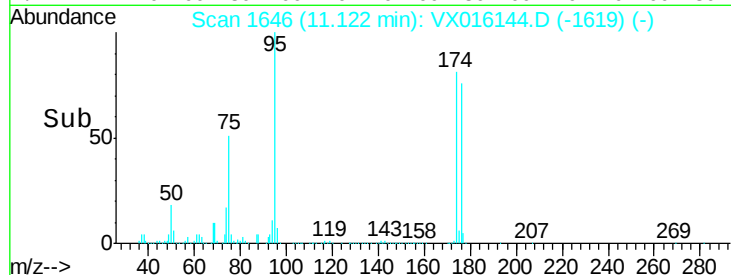
200

100

0

11.10 11.12 11.15

Time-->



#76

1,2,3-Trichloropropane

Concen: 21.372 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016144.D

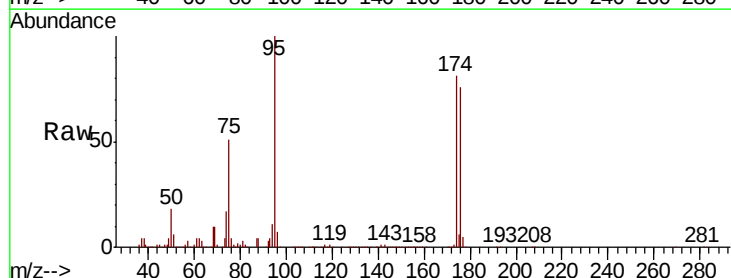
Acq: 11 May 2020 13:26

Tgt Ion: 75 Resp: 117516

Ion Ratio Lower Upper

75 100

77 1.4 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

100000

80000

60000

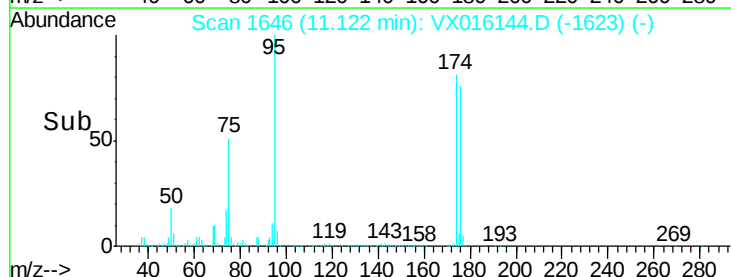
40000

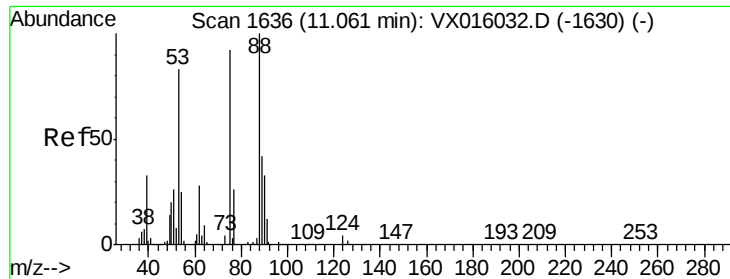
20000

0

11.10 11.12 11.20

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 50.931 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016144.D

Acq: 11 May 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

Z4-DUP-0553-200507

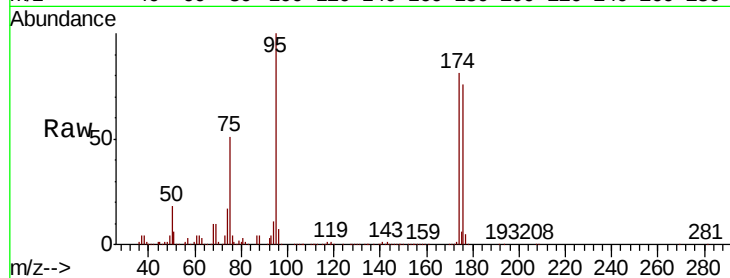
Tot Ion: 75 Resp: 117516

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

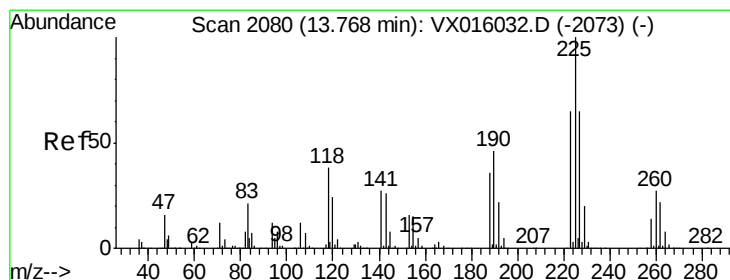
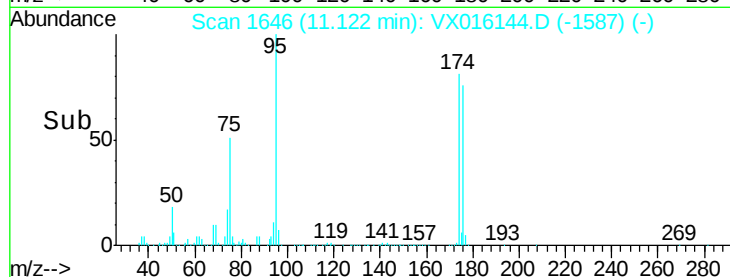
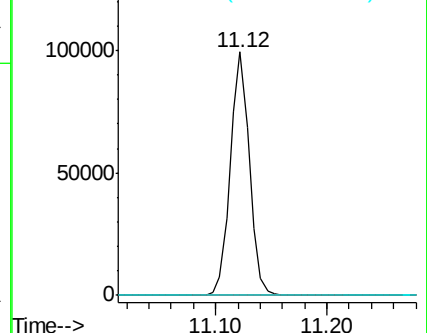
89 0.0 36.7 55.1#



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



#94

Hexachlorobutadiene

Concen: 0.585 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016144.D

Acq: 11 May 2020 13:26

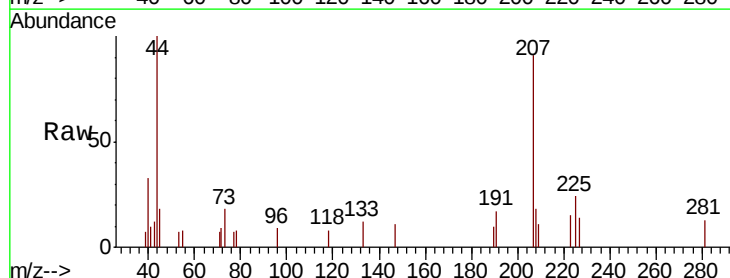
Tgt Ion: 225 Resp: 156

Ion Ratio Lower Upper

225 100

223 64.7 32.3 96.9

227 70.5 31.8 95.4



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

