

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051420\
 Data File : VX016240.D
 Acq On : 14 May 2020 18:40
 Operator : JC/SP
 Sample : L2643-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-DUP-0556-200513

Quant Time: May 15 01:35:24 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	5.63	168	242249	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	405991	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	403582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	209302	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	148918	46.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.44%	
35) Dibromofluoromethane	5.47	113	120833	46.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.96%	
50) Toluene-d8	8.70	98	505015	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.12	95	199645	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	

Target Compounds

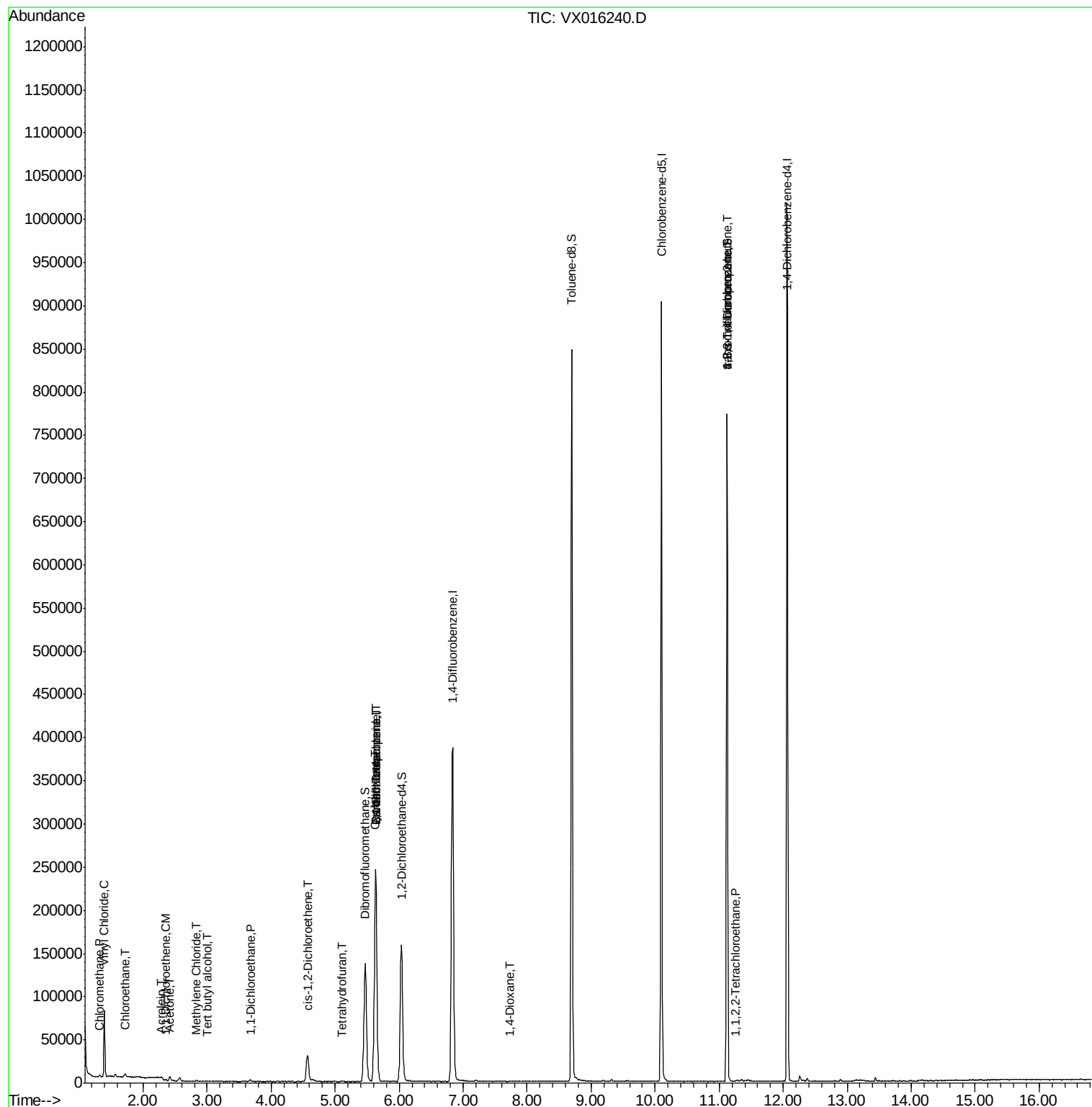
						Qvalue
3) Chloromethane	1.32	50	1321	0.44	ug/l	91
4) Vinyl Chloride	1.39	62	44053	13.87	ug/l	100
6) Chloroethane	1.72	64	2116	1.09	ug/l #	79
11) Tert butyl alcohol	3.01	59	331	0.41	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	724	0.29	ug/l #	59
13) Acrolein	2.27	56	105	0.21	ug/l #	1
16) Acetone	2.42	43	5345	3.76	ug/l	95
17) Carbon Disulfide	2.56	76	1550	Below Cal	#	82
20) Methylene Chloride	2.84	84	669	0.23	ug/l #	92
24) 1,1-Dichloroethane	3.68	63	2319	0.48	ug/l #	82
27) cis-1,2-Dichloroethene	4.57	96	20466	6.67	ug/l	86
29) Tetrahydrofuran	5.10	42	494	0.33	ug/l #	39
31) Cyclohexane	5.62	56	4496	1.02	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	17826	4.46	ug/l #	50
38) Carbon Tetrachloride	5.63	117	23375	5.75	ug/l #	14
49) 1,4-Dioxane	7.73	88	161	1.92	ug/l #	52
75) 1,1,2,2-Tetrachloroethane	11.26	83	19	2.06	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	98892	20.82	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	98892	49.62	ug/l #	13

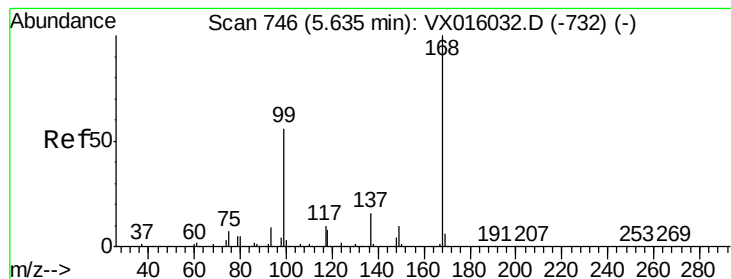
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 06 06:43:32 2020
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.63 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX016240.D

Acq: 14 May 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

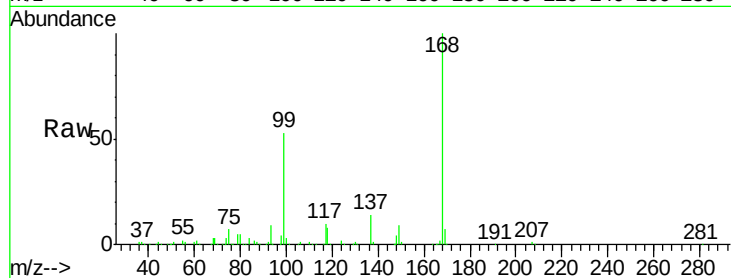
Z4-DUP-0556-200513

Tgt Ion:168 Resp: 242249

Ion Ratio Lower Upper

168 100

99 53.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

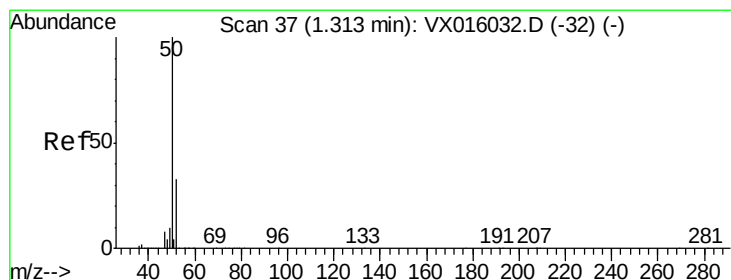
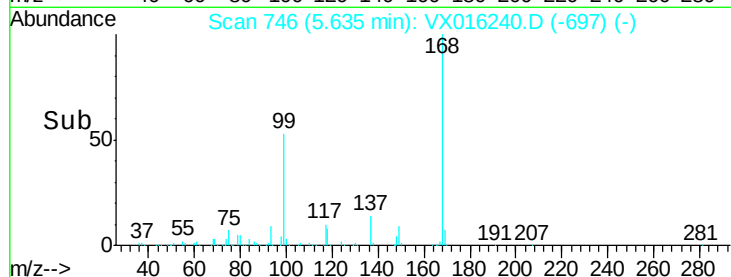
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.44 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX016240.D

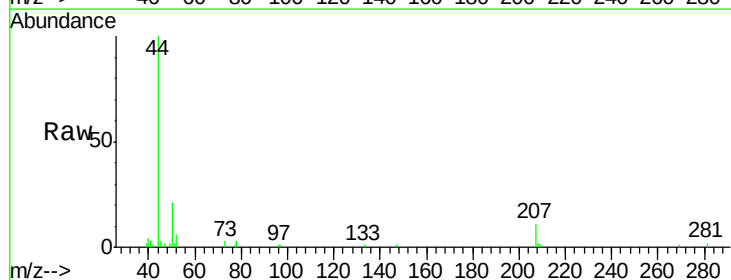
Acq: 14 May 2020 18:40

Tgt Ion: 50 Resp: 1321

Ion Ratio Lower Upper

50 100

52 27.8 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

1200

1000

800

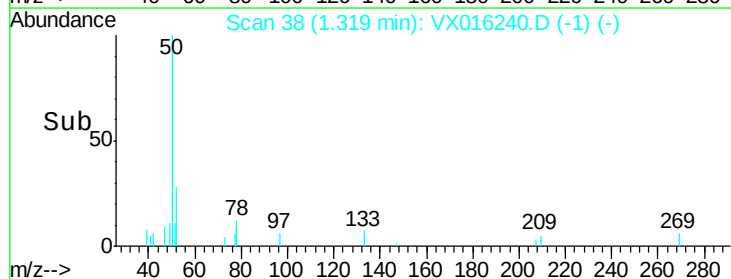
600

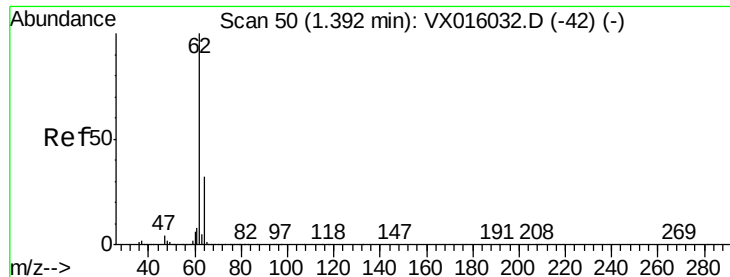
400

200

0

Time-->





#4

Vinyl Chloride

Concen: 13.87 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016240.D

Acq: 14 May 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

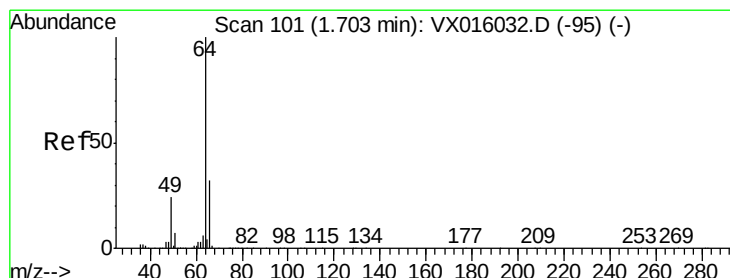
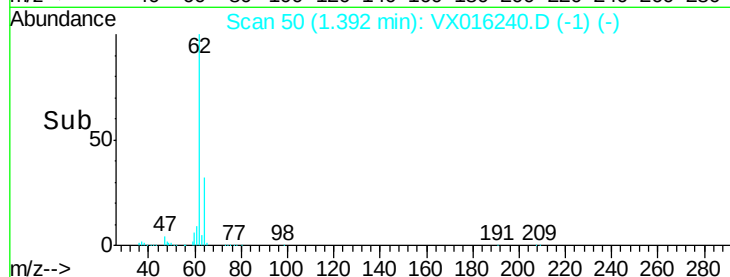
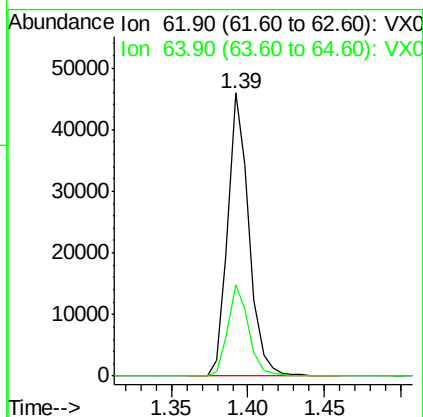
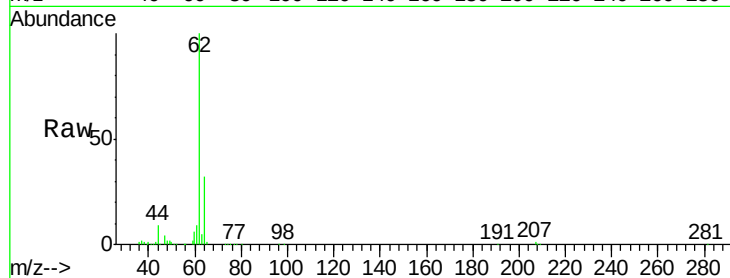
Z4-DUP-0556-200513

Tgt Ion: 62 Resp: 44053

Ion Ratio Lower Upper

62 100

64 32.3 25.7 38.5



#6

Chloroethane

Concen: 1.09 ug/l

RT: 1.72 min Scan# 104

Delta R.T. 0.02 min

Lab File: VX016240.D

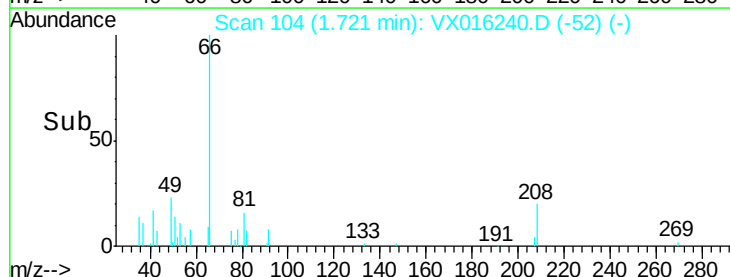
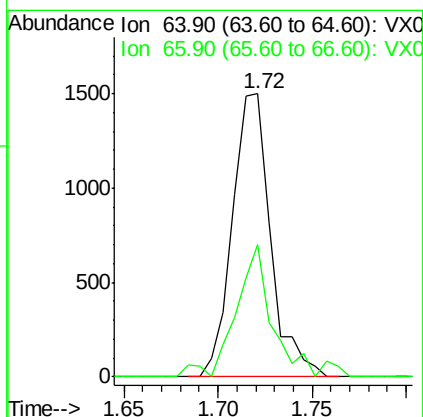
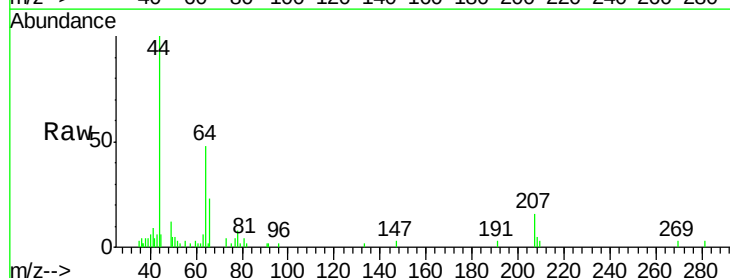
Acq: 14 May 2020 18:40

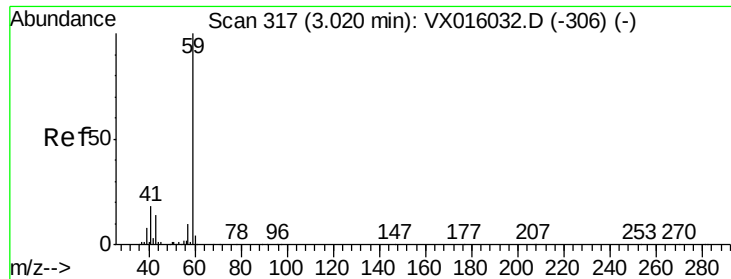
Tgt Ion: 64 Resp: 2116

Ion Ratio Lower Upper

64 100

66 43.0 25.2 37.8#

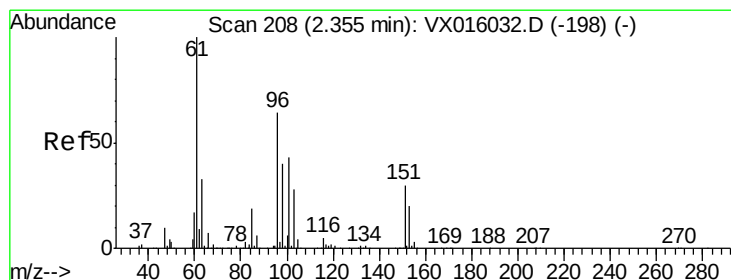
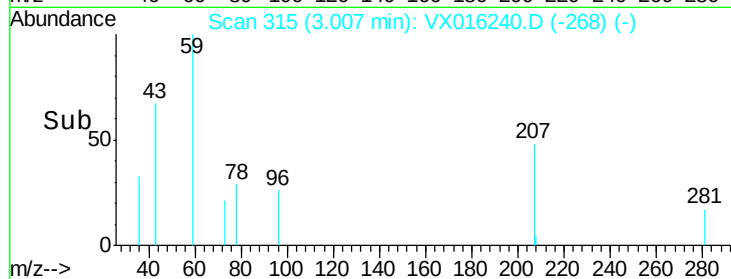
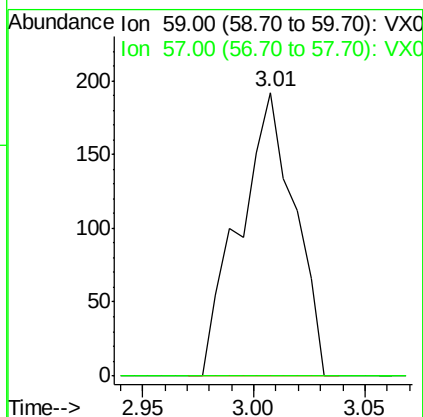
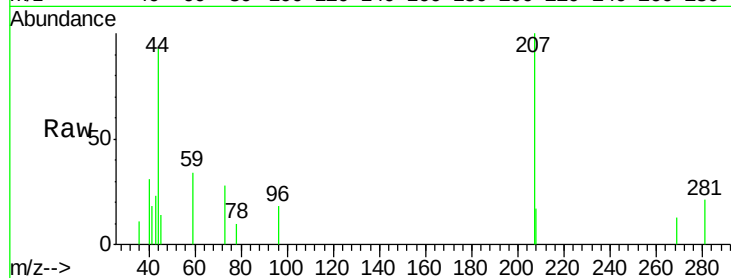




#11
Tert butyl alcohol
Concen: 0.41 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX016240.D
Acq: 14 May 2020 18:40

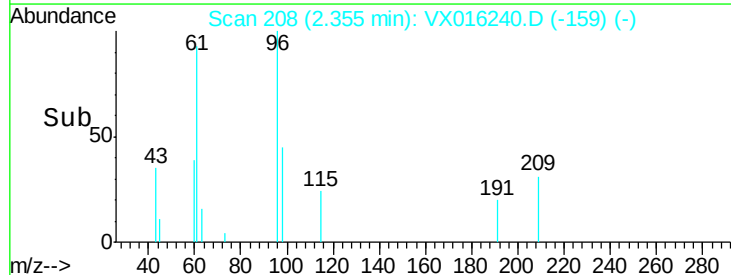
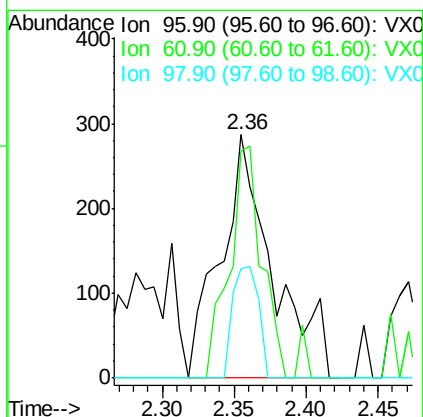
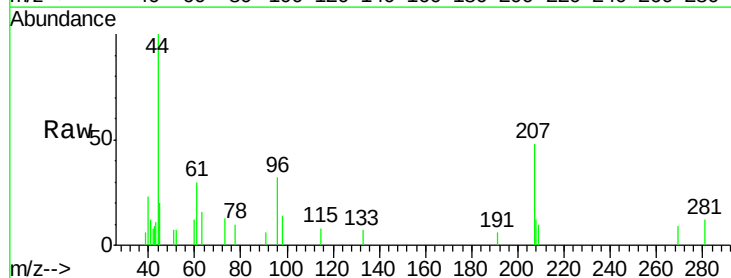
Instrument :
MSVOA_X
ClientSampleId :
Z4-DUP-0556-200513

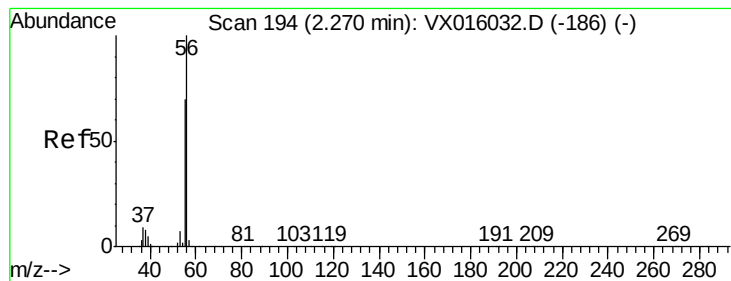
Tgt Ion: 59 Resp: 331
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 0.29 ug/l
RT: 2.36 min Scan# 208
Delta R.T. -0.00 min
Lab File: VX016240.D
Acq: 14 May 2020 18:40

Tgt Ion: 96 Resp: 724
Ion Ratio Lower Upper
96 100
61 93.0 124.8 187.2#
98 44.9 49.7 74.5#





#13

Acrolein

Concen: 0.21 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016240.D

Acq: 14 May 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

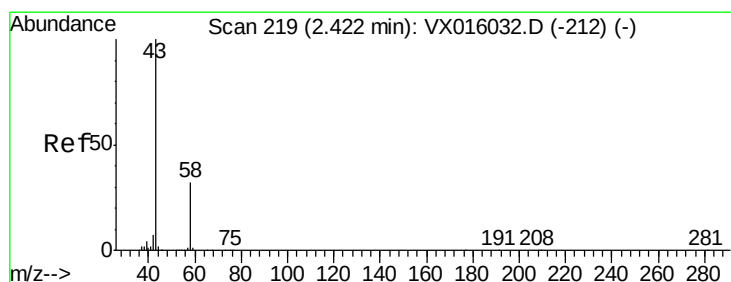
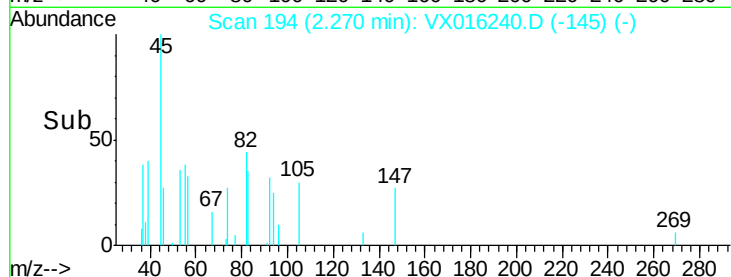
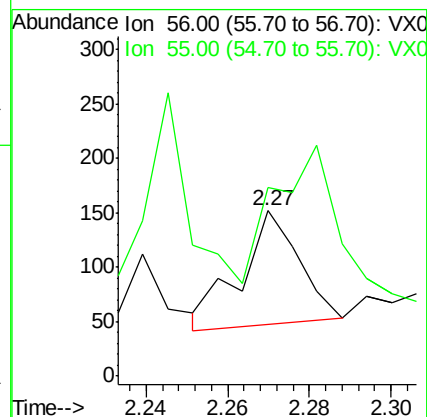
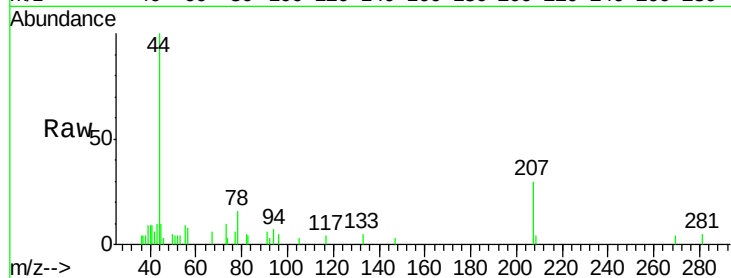
Z4-DUP-0556-200513

Tgt Ion: 56 Resp: 105

Ion Ratio Lower Upper

56 100

55 317.1 56.5 84.7#



#16

Acetone

Concen: 3.76 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016240.D

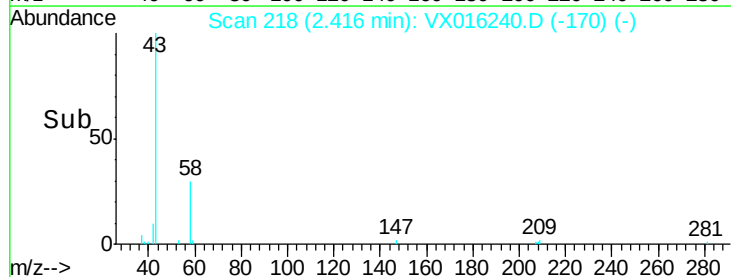
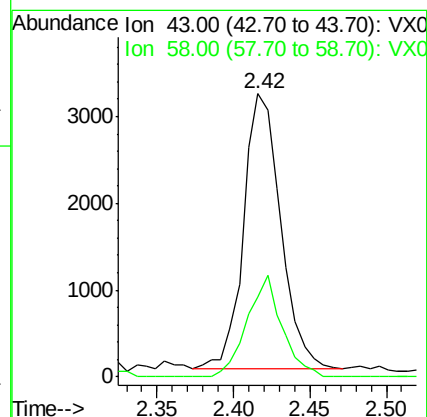
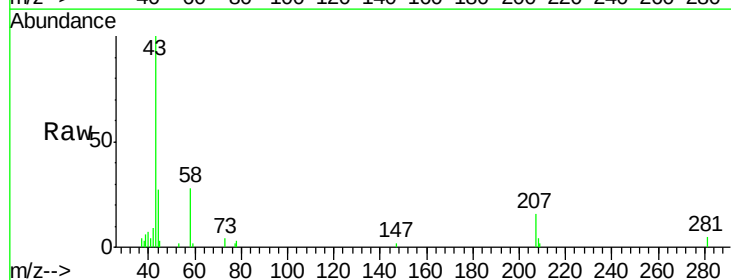
Acq: 14 May 2020 18:40

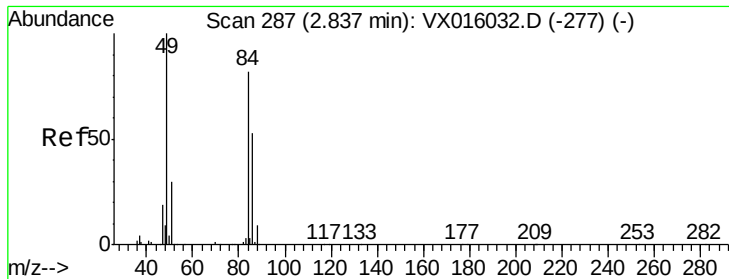
Tgt Ion: 43 Resp: 5345

Ion Ratio Lower Upper

43 100

58 29.2 25.4 38.0

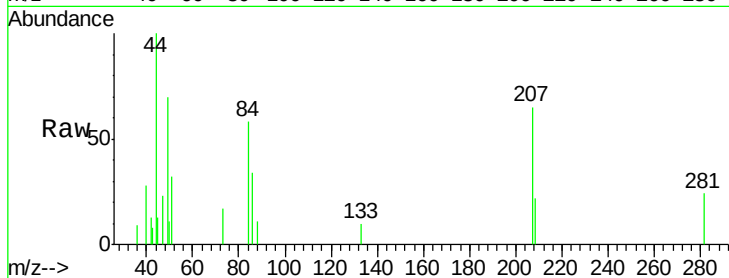




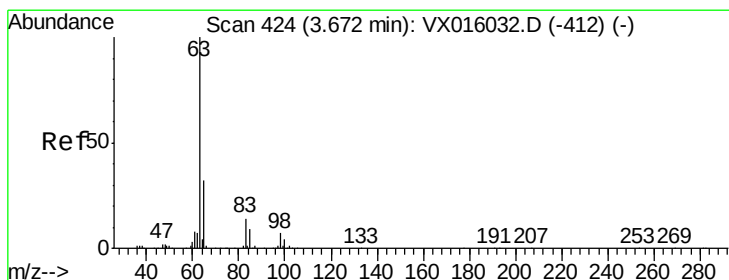
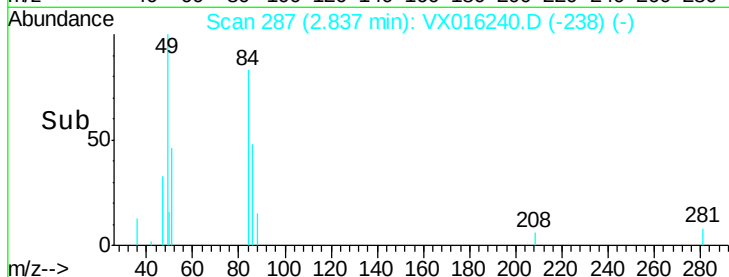
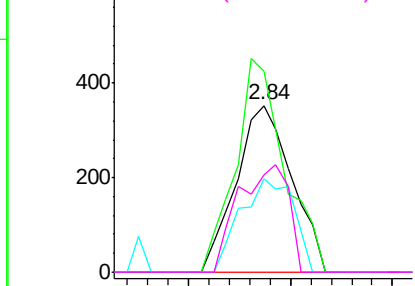
#20
Methylene Chloride
Concen: 0.23 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016240.D
Acq: 14 May 2020 18:40

Instrument :
MSVOA_X
ClientSampleId :
Z4-DUP-0556-200513

Tgt Ion:	84	Resp:	669
Ion	Ratio	Lower	Upper
84	100		
49	120.7	97.3	145.9
51	56.0	29.3	43.9#
86	58.2	51.3	76.9

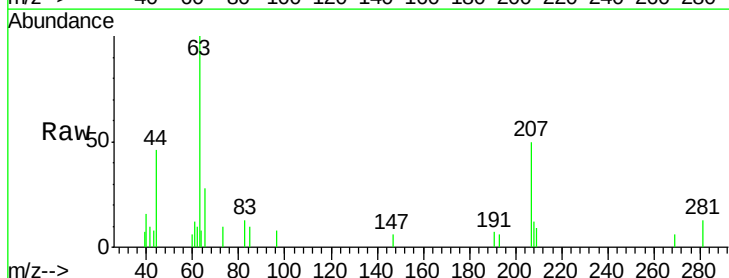


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

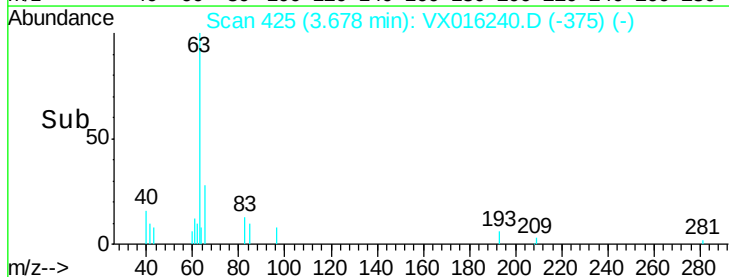
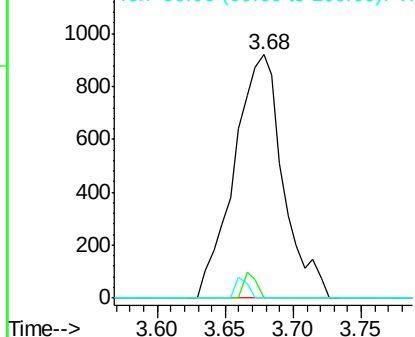


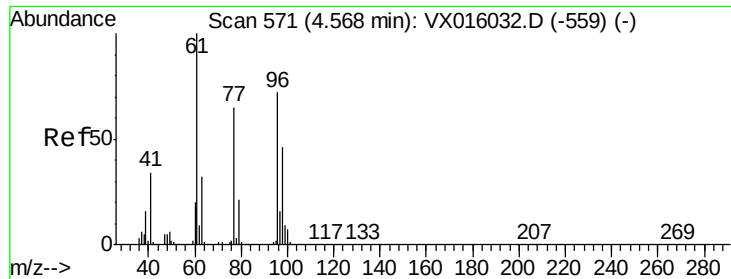
#24
1,1-Dichloroethane
Concen: 0.48 ug/l
RT: 3.68 min Scan# 425
Delta R.T. 0.01 min
Lab File: VX016240.D
Acq: 14 May 2020 18:40

Tgt Ion:	63	Resp:	2319
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.5	10.5#
100	0.0	2.1	6.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 6.67 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016240.D

Acq: 14 May 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

Z4-DUP-0556-200513

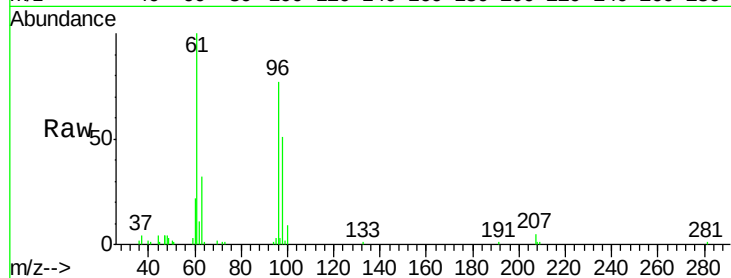
Tgt Ion: 96 Resp: 20466

Ion Ratio Lower Upper

96 100

61 124.4 0.0 296.2

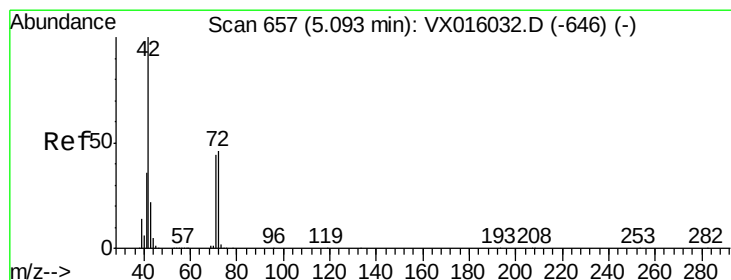
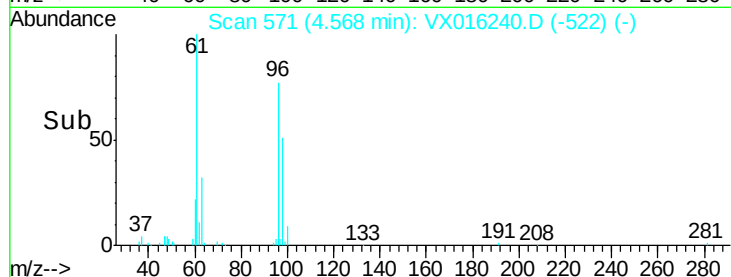
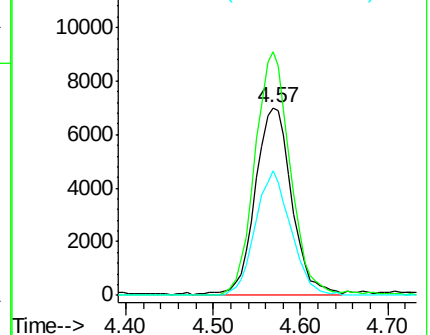
98 63.6 0.0 129.4



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



#29

Tetrahydrofuran

Concen: 0.33 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX016240.D

Acq: 14 May 2020 18:40

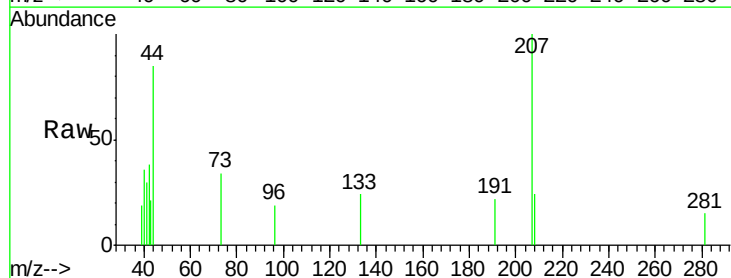
Tgt Ion: 42 Resp: 494

Ion Ratio Lower Upper

42 100

72 9.7 37.1 55.7#

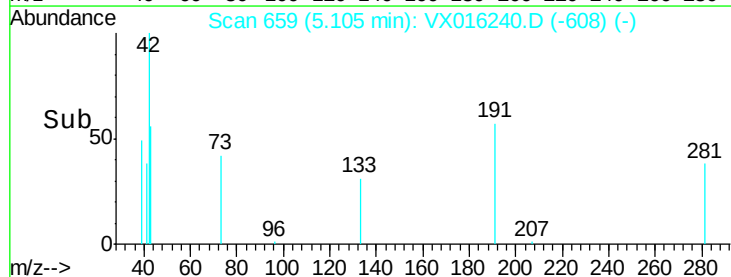
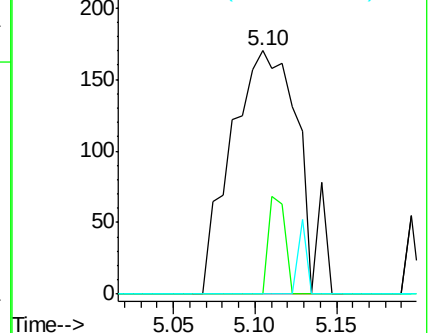
71 0.0 34.5 51.7#

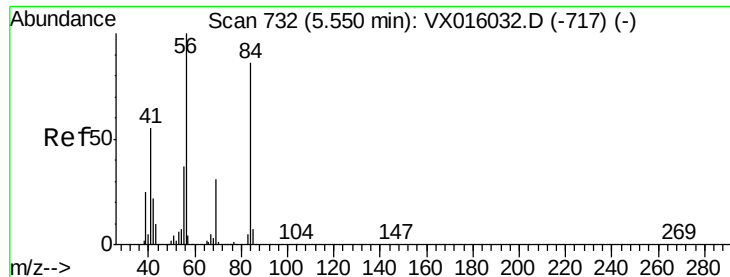


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

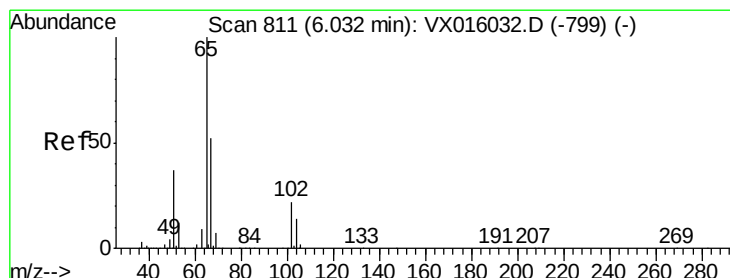
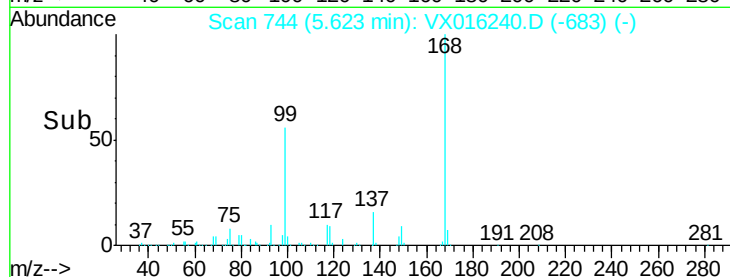
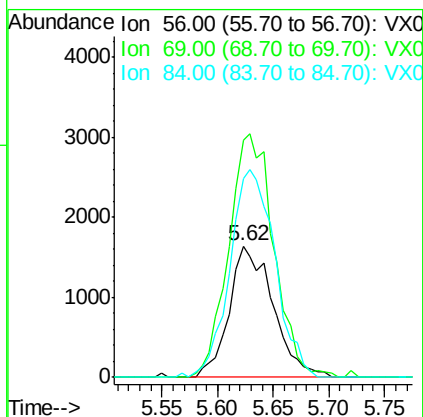
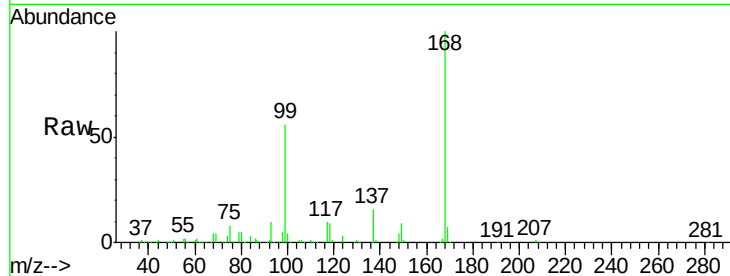




#31
Cyclohexane
Concen: 1.02 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016240.D
Acq: 14 May 2020 18:40

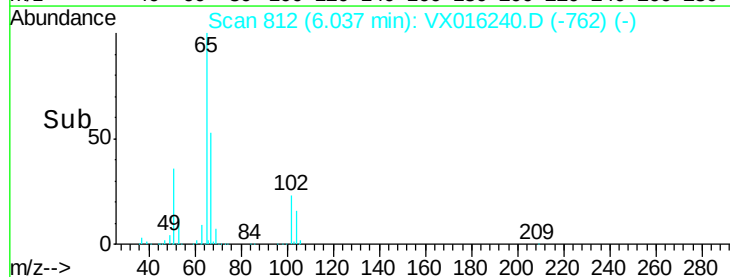
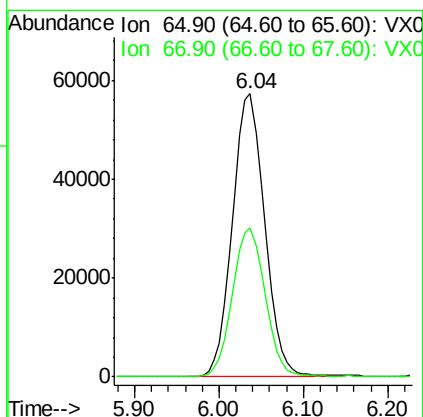
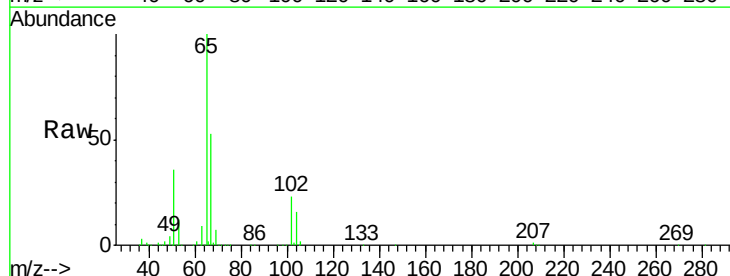
Instrument :
MSVOA_X
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Z4-DUP-0556-200513

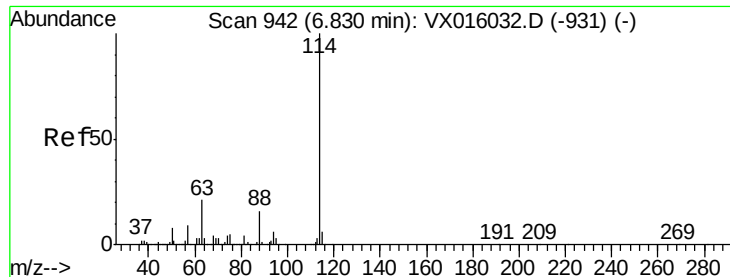
Tgt Ion: 56 Resp: 4496
Ion Ratio Lower Upper
56 100
69 180.5 25.0 37.6#
84 151.8 69.0 103.6#



#33
1,2-Dichloroethane-d4
Concen: 46.72 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016240.D
Acq: 14 May 2020 18:40

Tgt Ion: 65 Resp: 148918
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.8

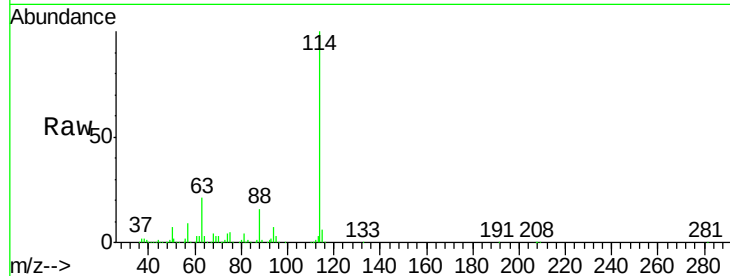




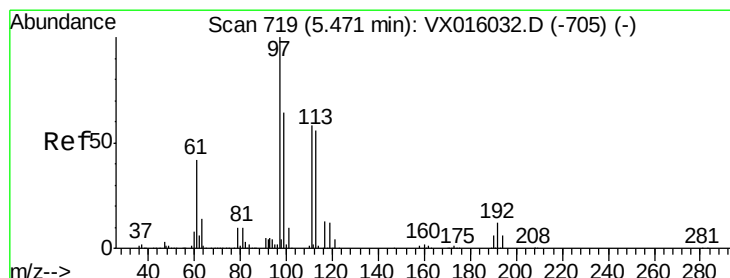
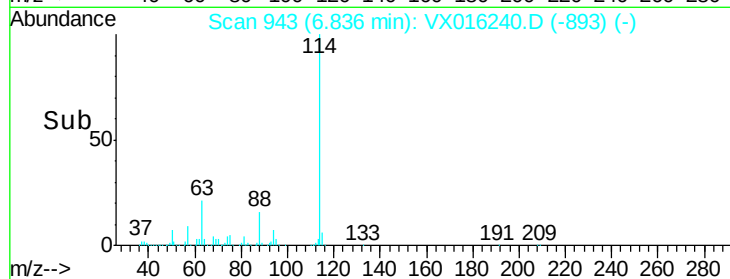
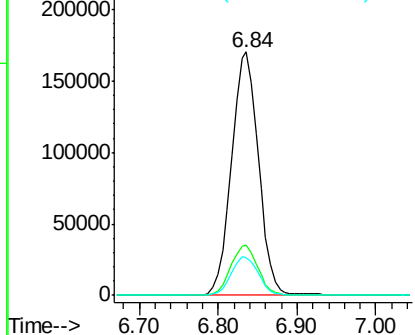
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016240.D
 Acq: 14 May 2020 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-DUP-0556-200513

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.8
88	15.6	0.0	31.4

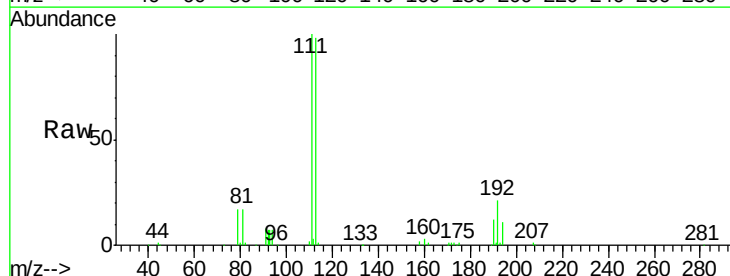


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

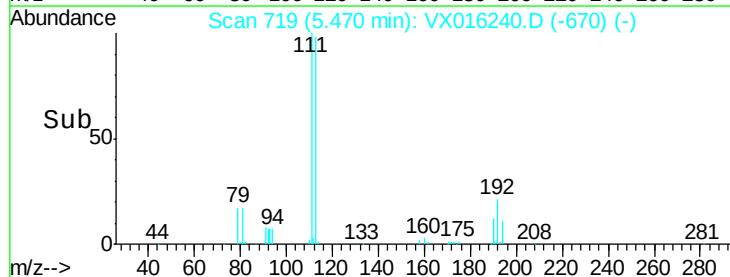
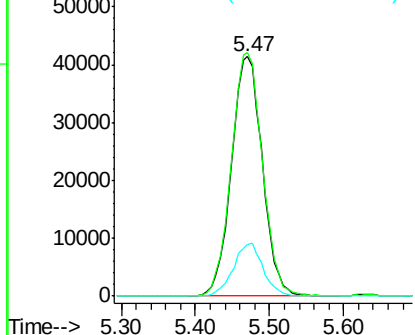


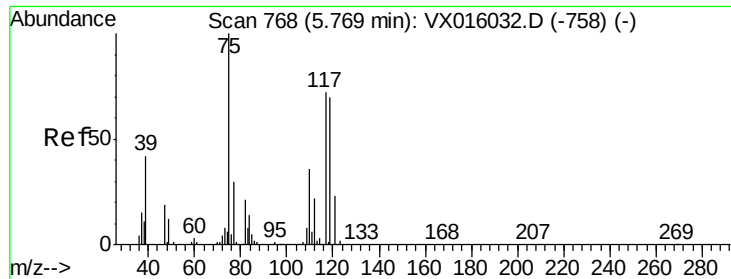
#35
 Dibromofluoromethane
 Concen: 46.98 ug/l
 RT: 5.47 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VX016240.D
 Acq: 14 May 2020 18:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.6	122.4
192	21.1	17.0	25.4



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

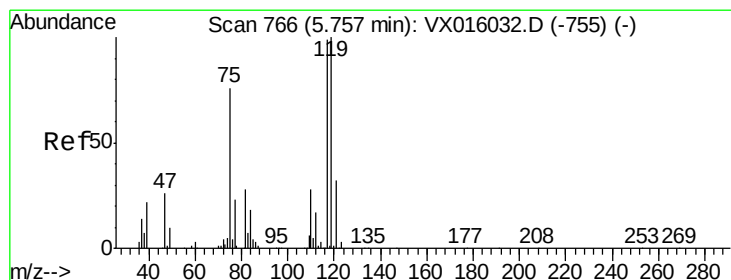
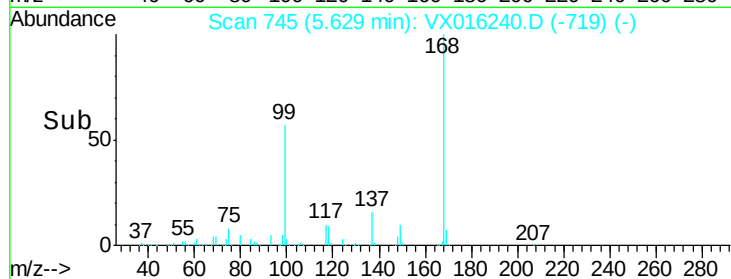
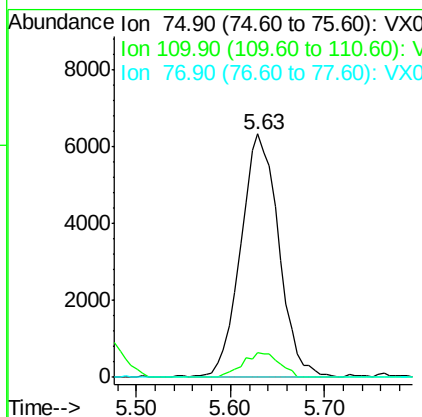
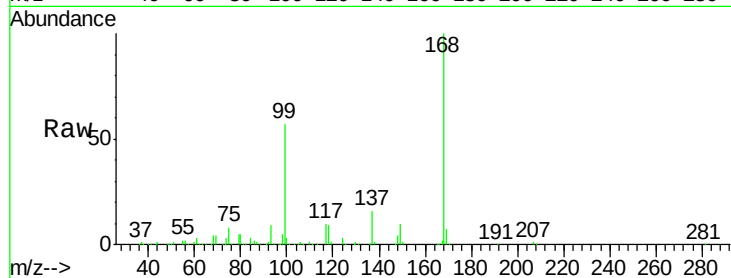




#36
 1,1-Dichloropropene
 Concen: 4.46 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016240.D
 Acq: 14 May 2020 18:40

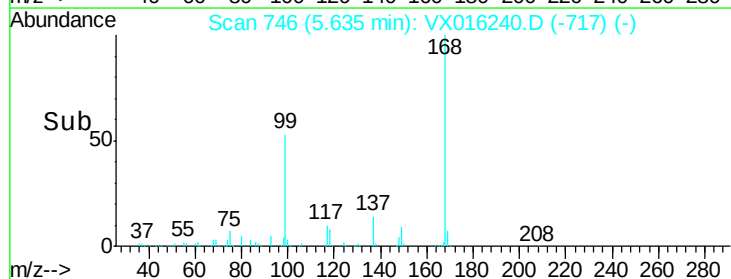
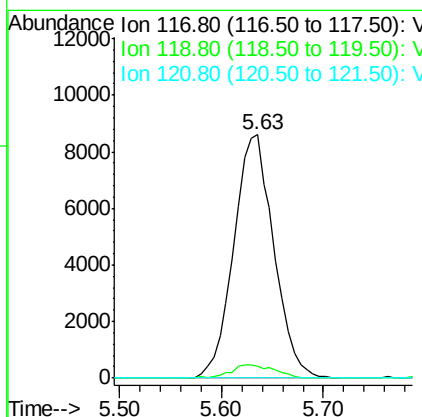
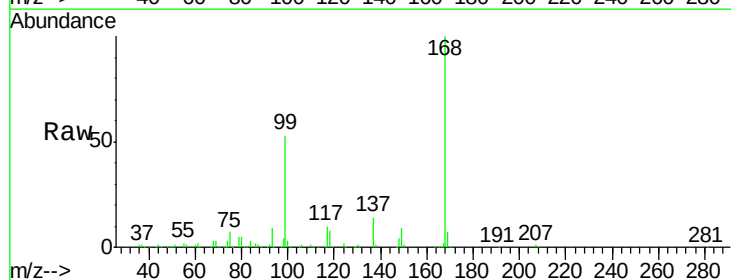
Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-DUP-0556-200513

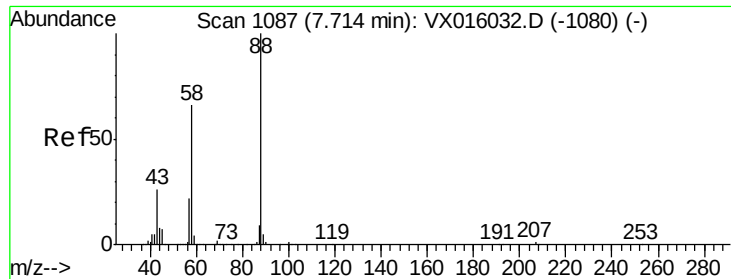
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.1	54.1#
77	0.0	25.0	37.6#



#38
 Carbon Tetrachloride
 Concen: 5.75 ug/l
 RT: 5.63 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX016240.D
 Acq: 14 May 2020 18:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	80.3	120.5#
121	0.0	25.7	38.5#

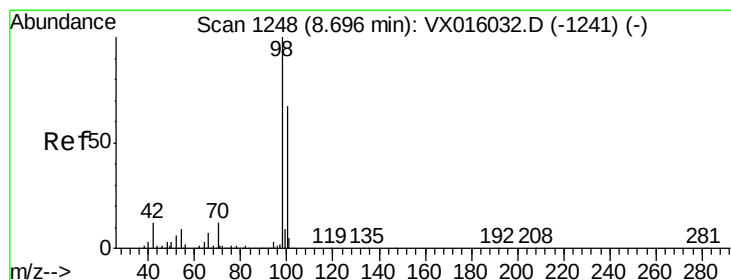
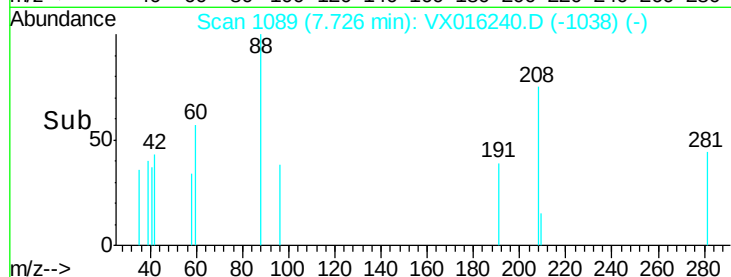
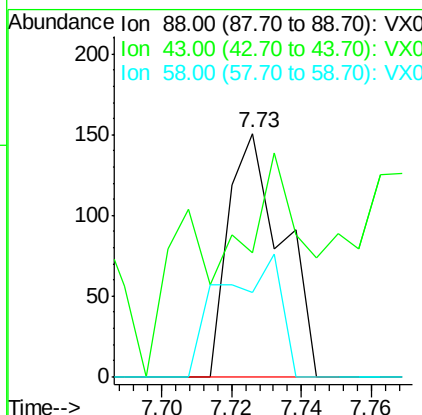
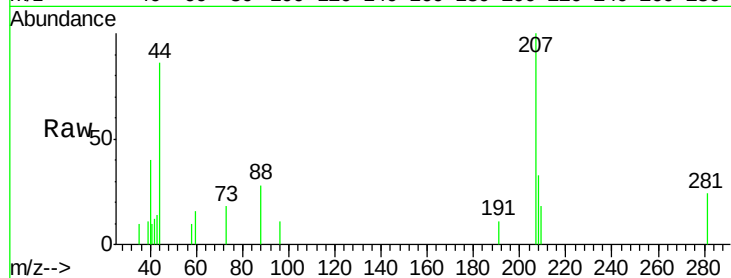




#49
1,4-Dioxane
Concen: 1.92 ug/l
RT: 7.73 min Scan# 1089
Delta R.T. 0.01 min
Lab File: VX016240.D
Acq: 14 May 2020 18:40

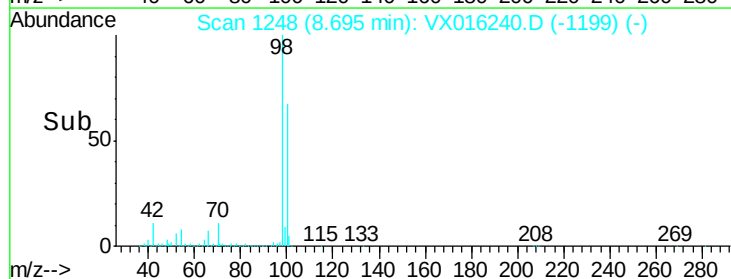
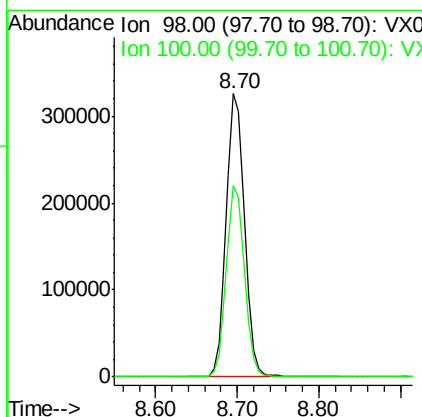
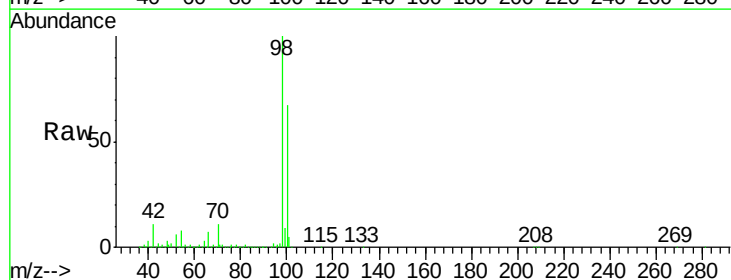
Instrument :
MSVOA_X
ClientSampleId :
Z4-DUP-0556-200513

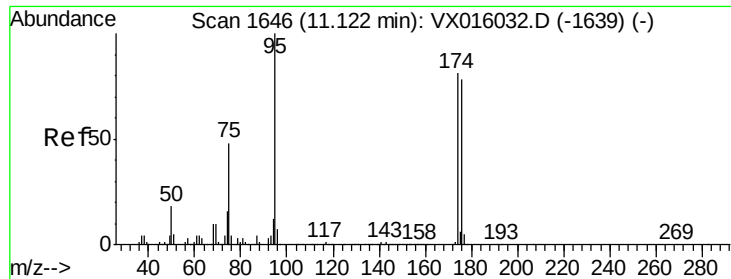
Tgt Ion: 88 Resp: 161
Ion Ratio Lower Upper
88 100
43 95.0 25.3 37.9#
58 55.3 55.9 83.9#



#50
Toluene-d8
Concen: 50.96 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016240.D
Acq: 14 May 2020 18:40

Tgt Ion: 98 Resp: 505015
Ion Ratio Lower Upper
98 100
100 67.0 53.7 80.5





#62

4-Bromofluorobenzene

Concen: 52.96 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016240.D

Acq: 14 May 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

Z4-DUP-0556-200513

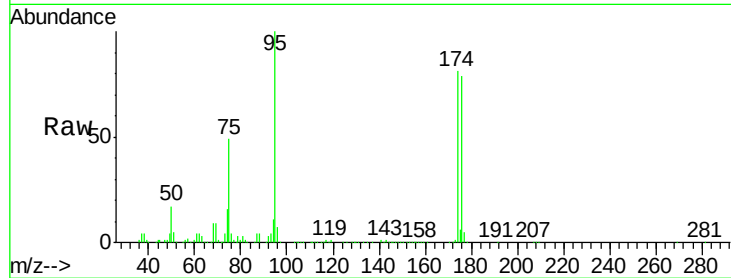
Tgt Ion: 95 Resp: 199645

Ion Ratio Lower Upper

95 100

174 83.5 0.0 159.4

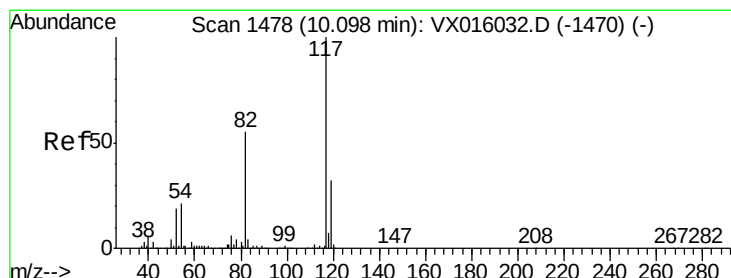
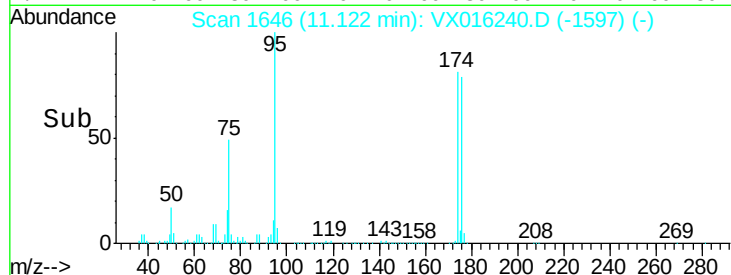
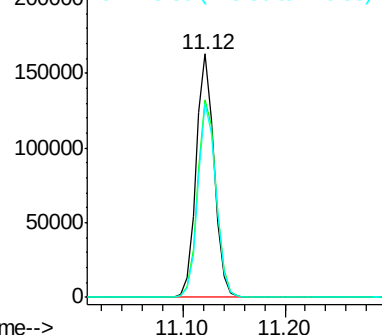
176 79.7 0.0 157.6



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: 50.00 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016240.D

Acq: 14 May 2020 18:40

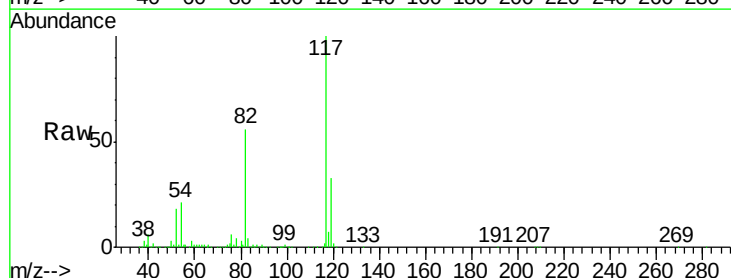
Tgt Ion: 117 Resp: 403582

Ion Ratio Lower Upper

117 100

82 56.3 44.4 66.6

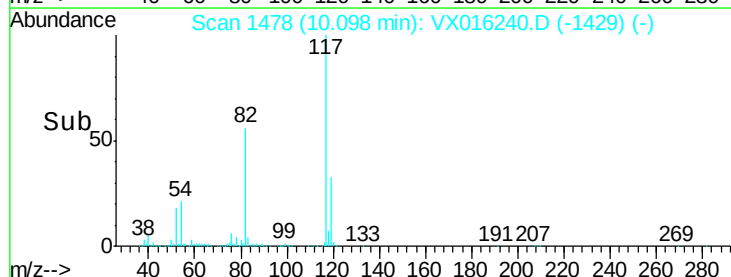
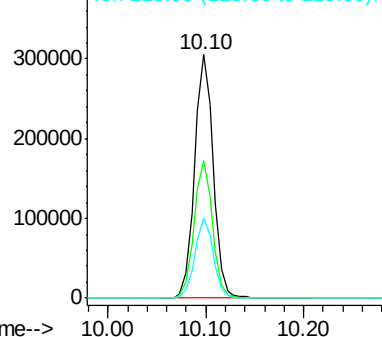
119 32.8 25.5 38.3

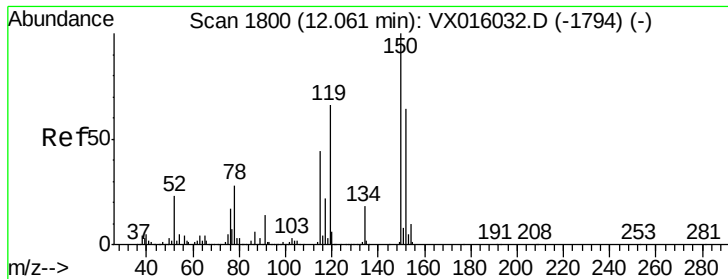


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016240.D

Acq: 14 May 2020 18:40

Instrument :

MSVOA_X

ClientSampleId :

Z4-DUP-0556-200513

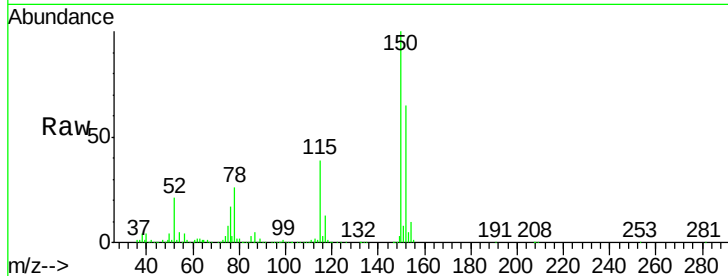
Tgt Ion: 152 Resp: 209302

Ion Ratio Lower Upper

152 100

115 59.1 41.3 124.1

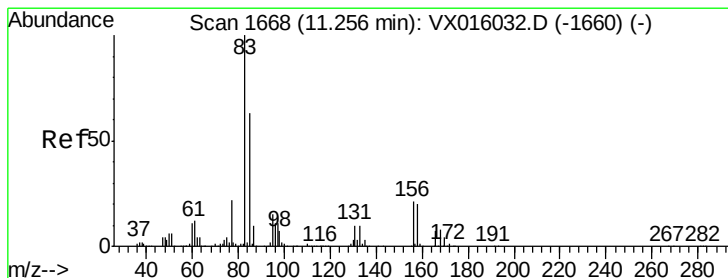
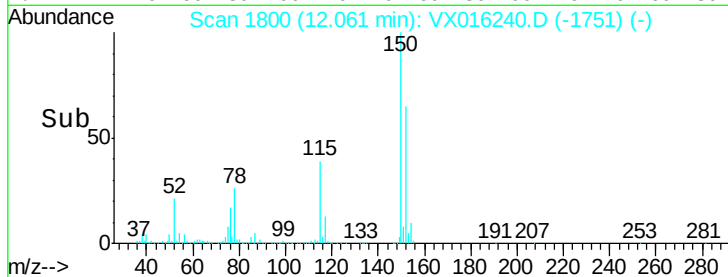
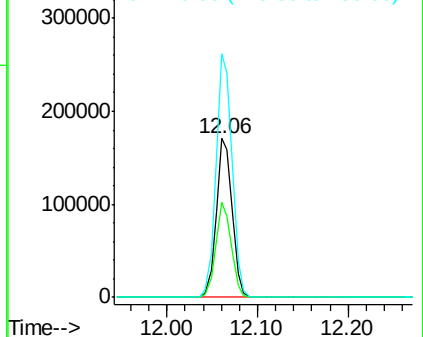
150 155.1 0.0 352.2



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: 2.06 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. -0.00 min

Lab File: VX016240.D

Acq: 14 May 2020 18:40

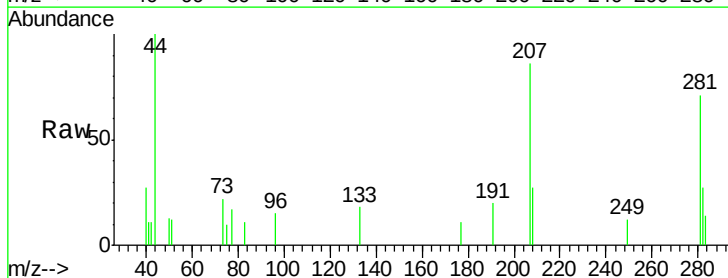
Tgt Ion: 83 Resp: 19

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

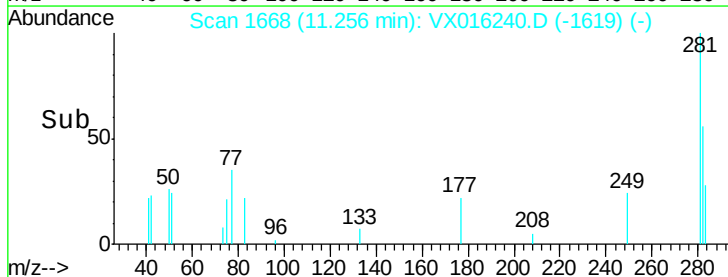
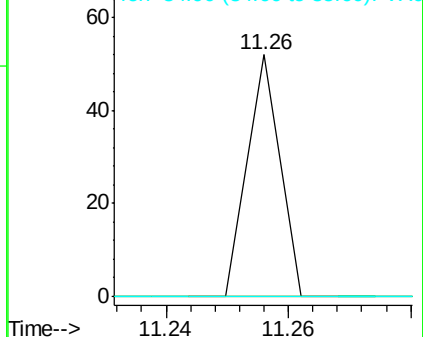
85 0.0 32.0 96.0#

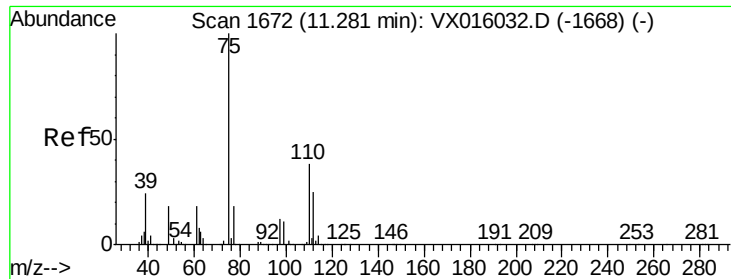


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

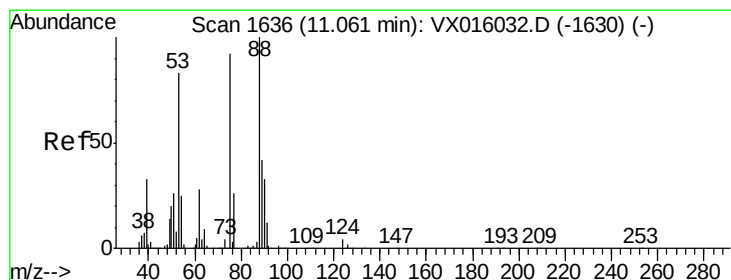
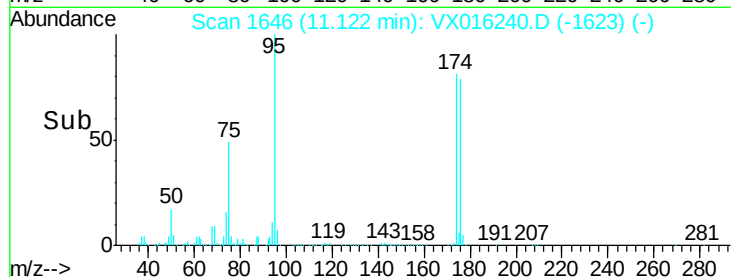
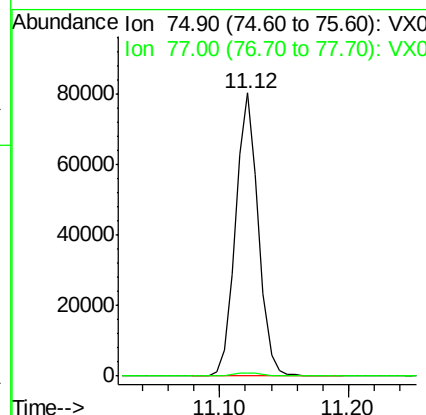
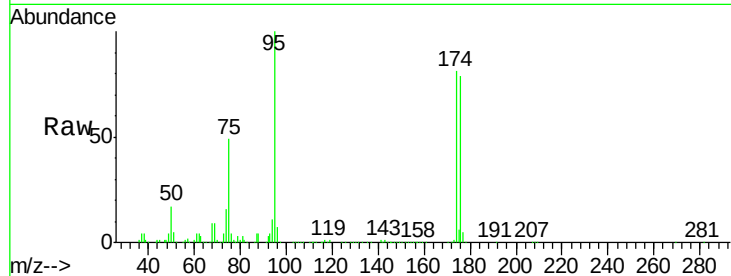




#76
 1,2,3-Trichloropropane
 Concen: 20.82 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016240.D
 Acq: 14 May 2020 18:40

Instrument :
 MSVOA_X
 ClientSampleId :
 Z4-DUP-0556-200513

Tgt Ion: 75 Resp: 98892
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.2 63.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.62 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016240.D
 Acq: 14 May 2020 18:40

Tgt Ion: 75 Resp: 98892
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 36.7 55.1#

