

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051520\
 Data File : VX016284.D
 Acq On : 15 May 2020 16:34
 Operator : JC/SP
 Sample : L2649-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0684

Quant Time: May 16 06:45:03 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

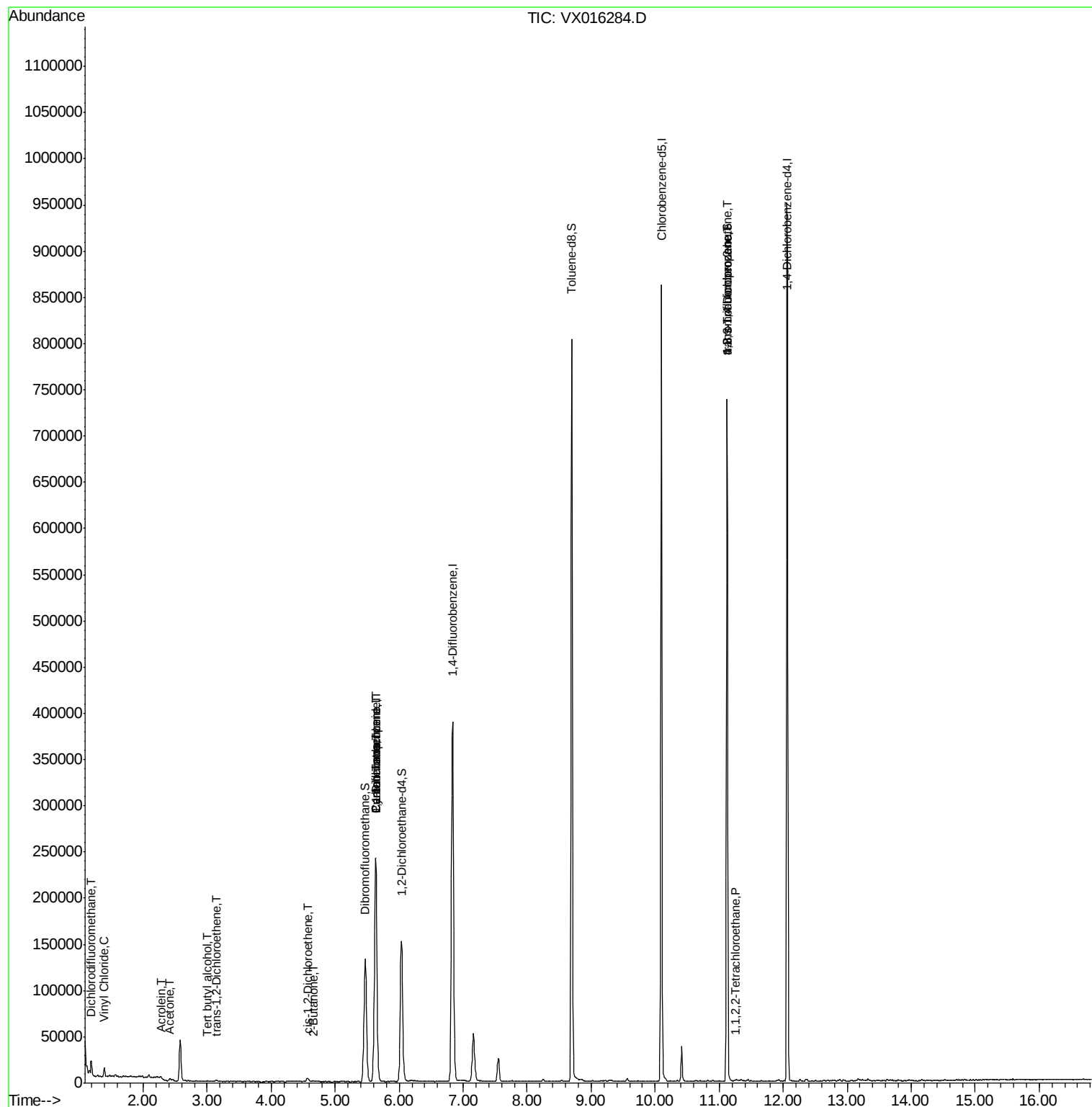
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	239645	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	398286	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	395532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	203169	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	145133	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	
35) Dibromofluoromethane	5.47	113	116531	46.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.36%	
50) Toluene-d8	8.70	98	490552	50.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.92%	
62) 4-Bromofluorobenzene	11.12	95	198843	53.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.18	85	5998	2.365	ug/l	100
4) Vinyl Chloride	1.39	62	4867	1.549	ug/l	99
11) Tert butyl alcohol	3.01	59	446	0.559	ug/l #	72
13) Acrolein	2.28	56	453	0.908	ug/l #	26
16) Acetone	2.42	43	3114	2.213	ug/l	96
17) Carbon Disulfide	2.55	76	1179	Below Cal	#	65
21) trans-1,2-Dichloroethene	3.15	96	807	0.291	ug/l #	81
25) 2-Butanone	4.66	43	534	0.236	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	2935	0.967	ug/l	72
31) Cyclohexane	5.64	56	4555	1.040	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	17273	4.406	ug/l #	49
38) Carbon Tetrachloride	5.63	117	22891	5.744	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	11.26	83	75	2.076	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	96354	20.899	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	96354	49.805	ug/l #	13

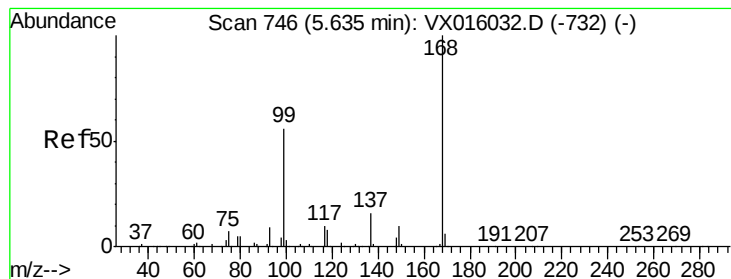
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016284.D

Acq: 15 May 2020 16:34

Instrument :

MSVOA_X

ClientSampleId :

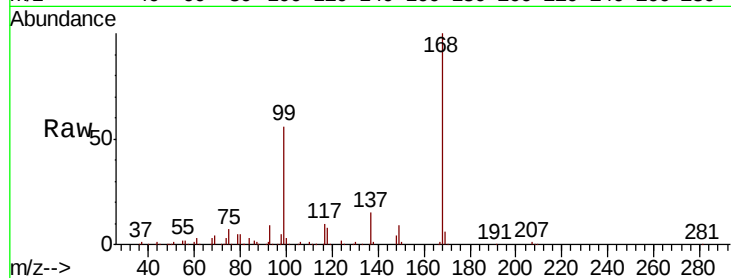
S32-0684

Tot Ion:168 Resp: 239645

Ion Ratio Lower Upper

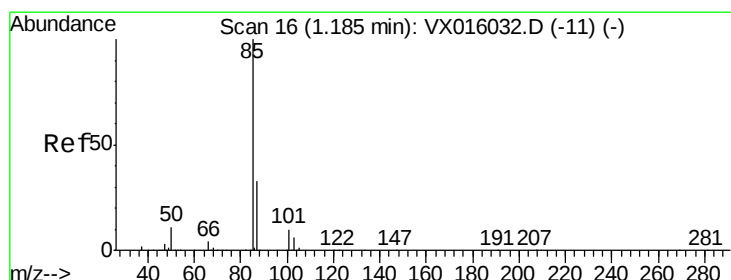
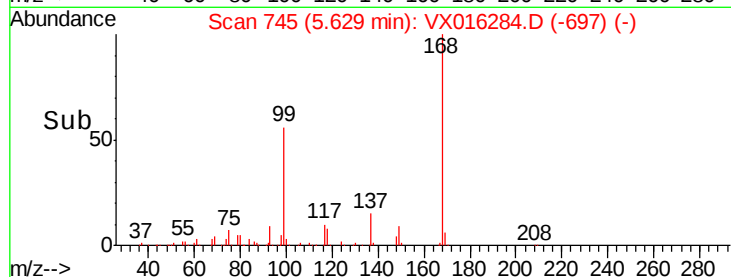
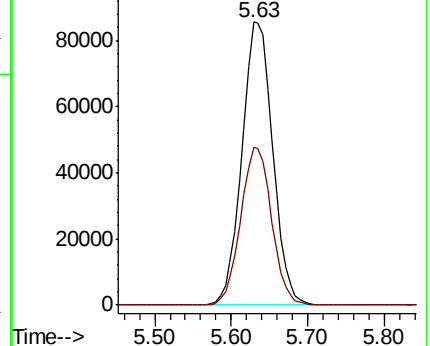
168 100

99 55.6 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 2.365 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016284.D

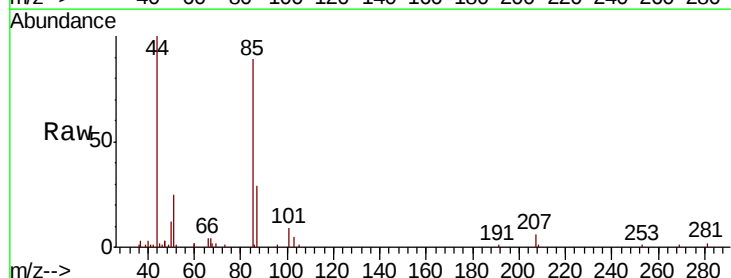
Acq: 15 May 2020 16:34

Tgt Ion: 85 Resp: 5998

Ion Ratio Lower Upper

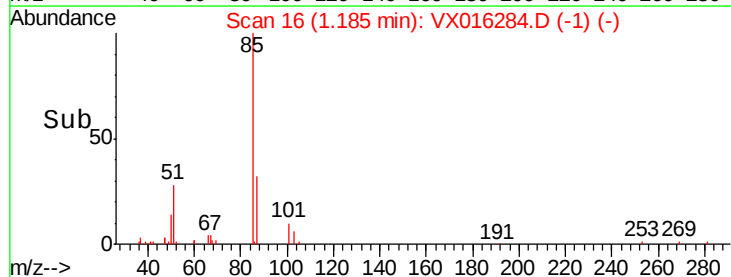
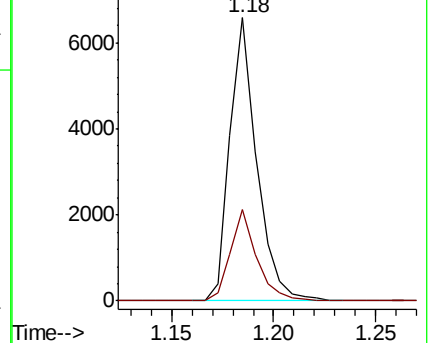
85 100

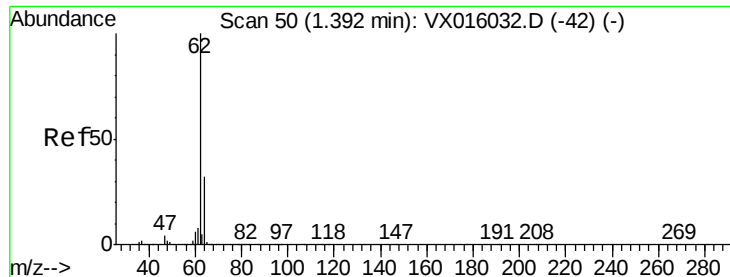
87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#4

Vinyl Chloride

Concen: 1.549 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016284.D

Acq: 15 May 2020 16:34

Instrument :

MSVOA_X

ClientSampled :

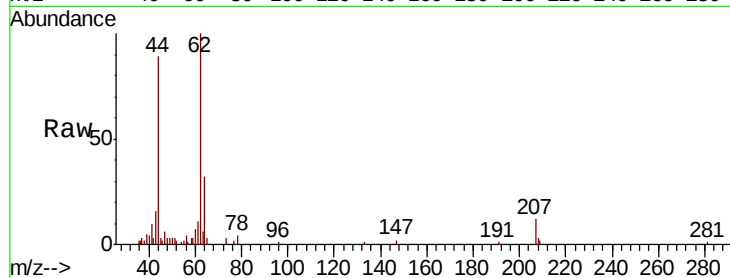
S32-0684

Tot Ion: 62 Resp: 4867

Ion Ratio Lower Upper

62 100

64 32.4 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.39

5000

4000

3000

2000

1000

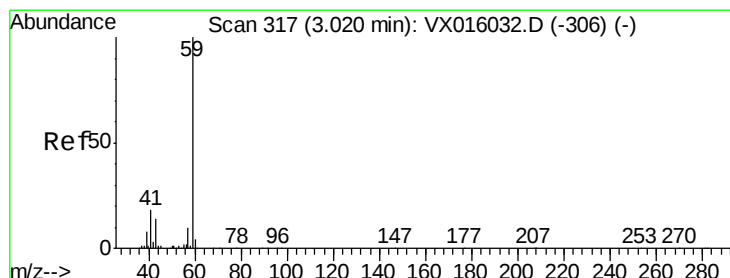
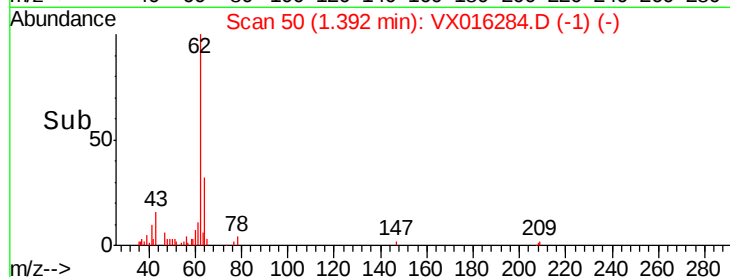
0

Time-->

1.35

1.40

1.45



#11

Tert butyl alcohol

Concen: 0.559 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016284.D

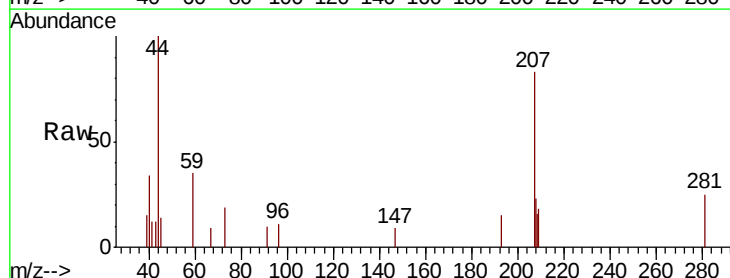
Acq: 15 May 2020 16:34

Tgt Ion: 59 Resp: 446

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

200

150

100

50

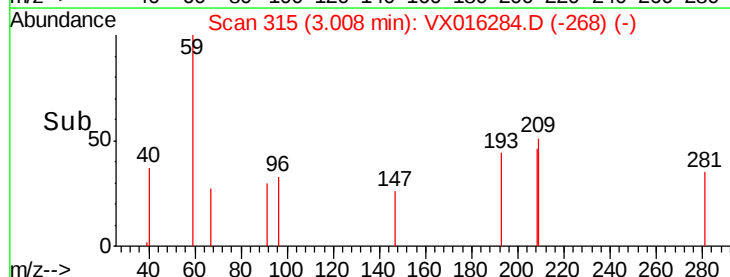
0

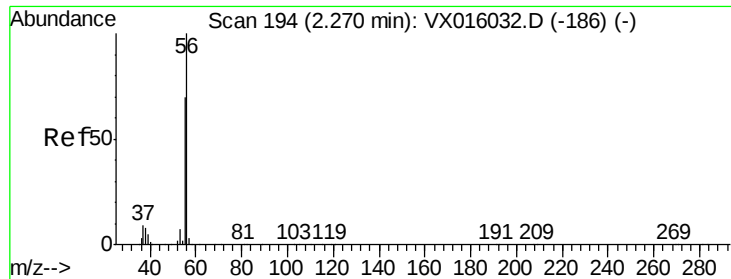
Time-->

2.95

3.00

3.05

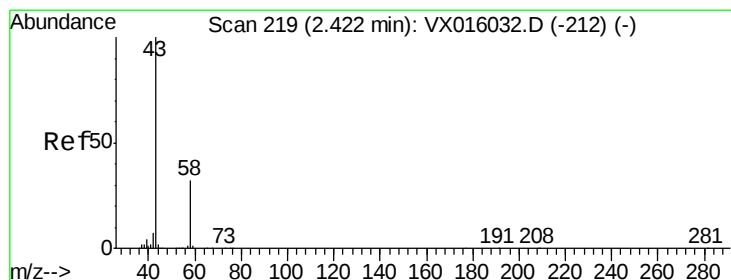
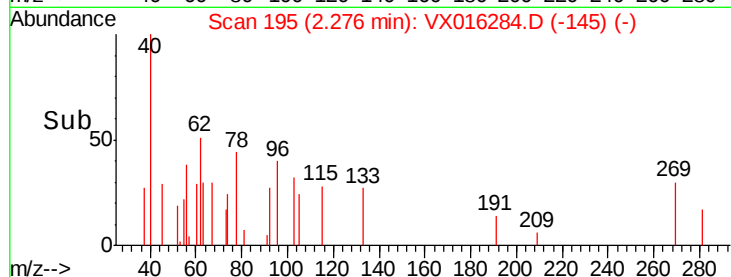
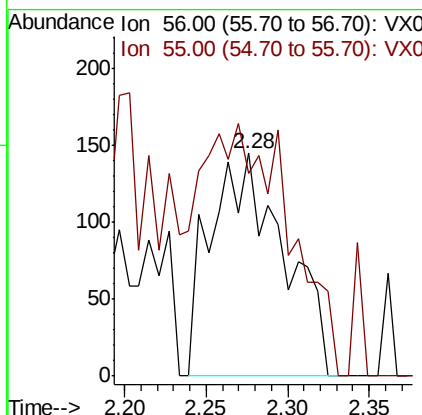
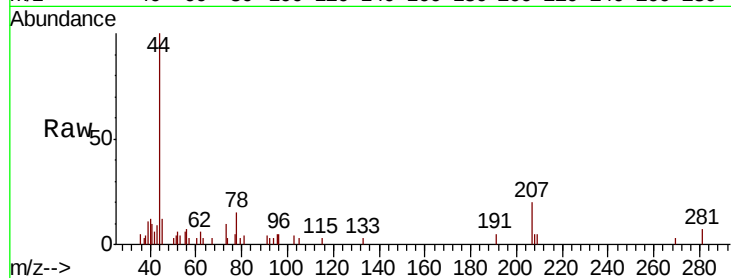




#13
Acrolein
Concen: 0.908 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016284.D
Acq: 15 May 2020 16:34

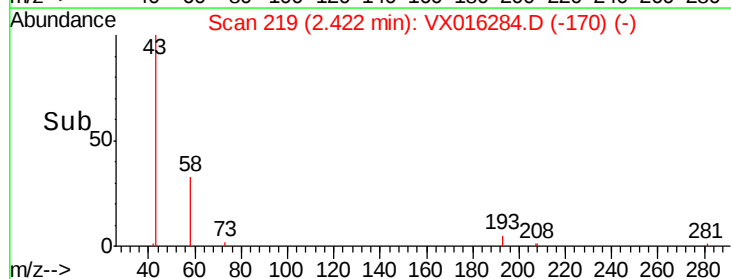
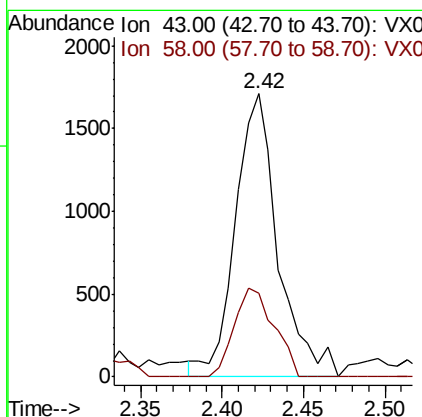
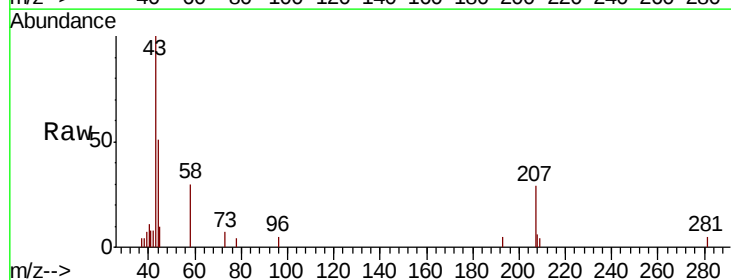
Instrument :
MSVOA_X
ClientSampleId :
S32-0684

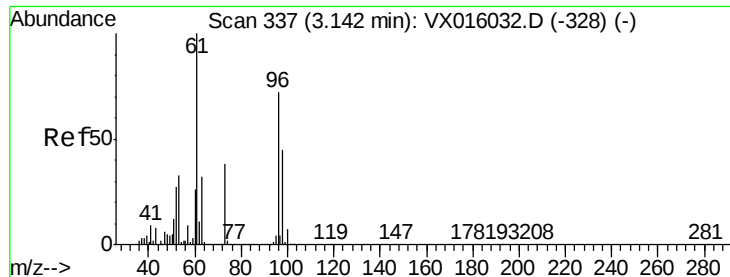
Tot Ion: 56 Resp: 453
Ion Ratio Lower Upper
56 100
55 132.0 56.5 84.7#



#16
Acetone
Concen: 2.213 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX016284.D
Acq: 15 May 2020 16:34

Tgt Ion: 43 Resp: 3114
Ion Ratio Lower Upper
43 100
58 29.6 25.4 38.0





#21

trans-1,2-Dichloroethene

Concen: 0.291 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016284.D

Acq: 15 May 2020 16:34

Instrument :

MSVOA_X

ClientSampleId :

S32-0684

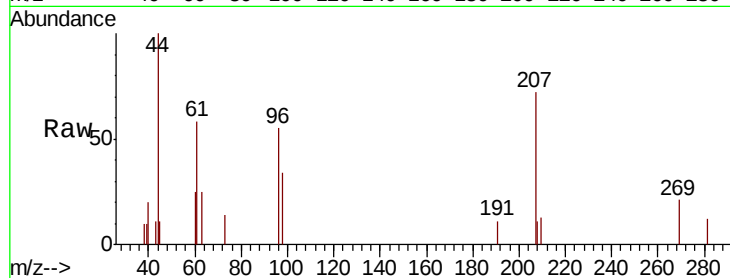
Tot Ion: 96 Resp: 807

Ion Ratio Lower Upper

96 100

61 105.9 111.2 166.8#

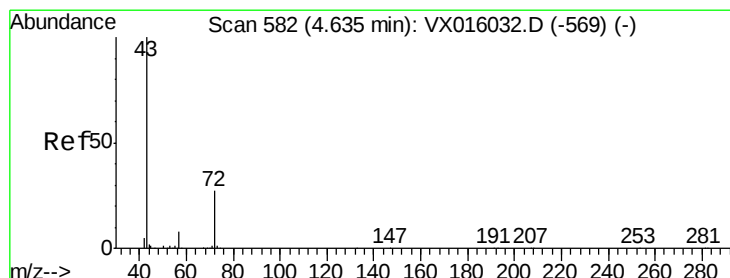
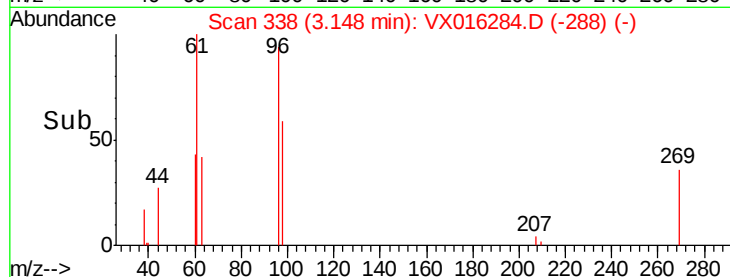
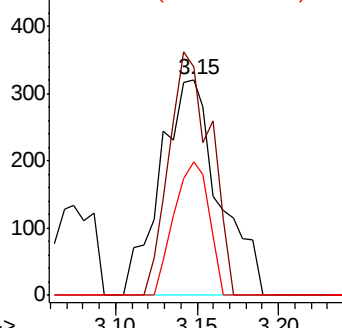
98 62.0 50.2 75.4



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



#25

2-Butanone

Concen: 0.236 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX016284.D

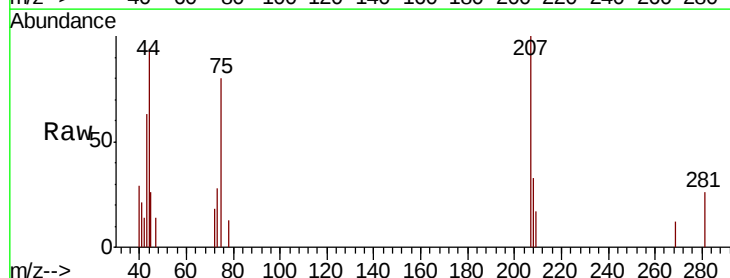
Acq: 15 May 2020 16:34

Tgt Ion: 43 Resp: 534

Ion Ratio Lower Upper

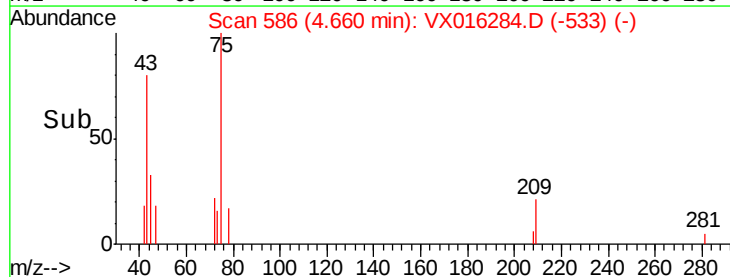
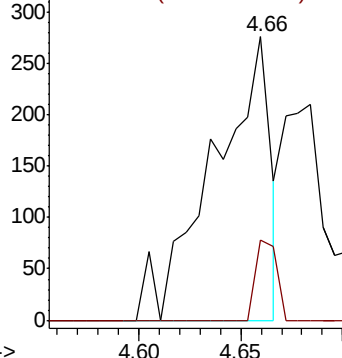
43 100

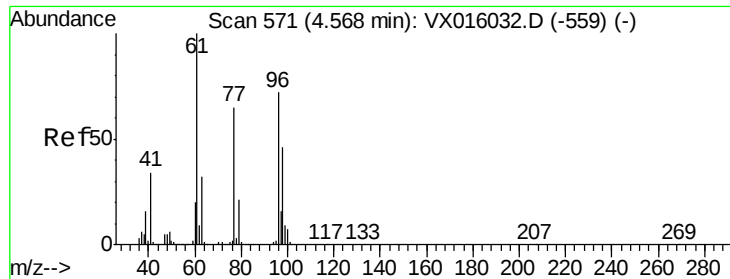
72 28.3 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



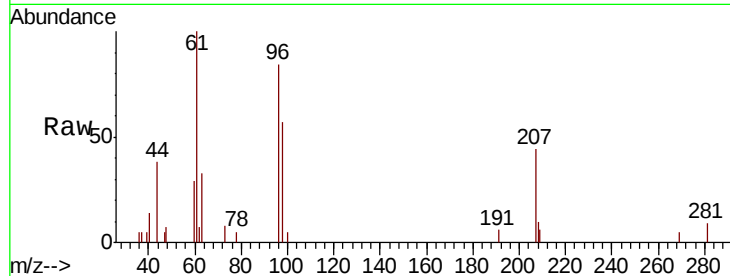


#27

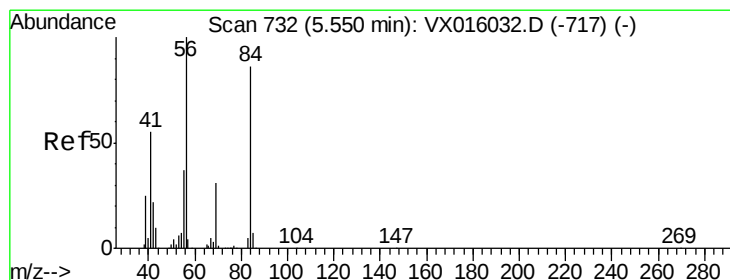
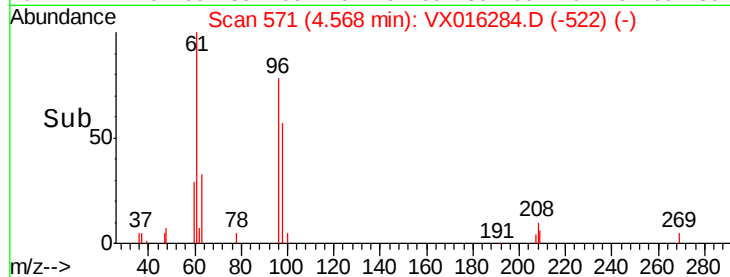
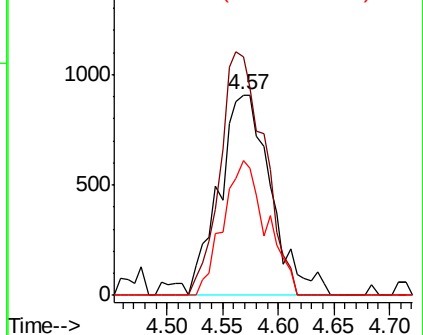
cis-1,2-Dichloroethene
Concen: 0.967 ug/l
RT: 4.57 min Scan# 571
Delta R.T. -0.00 min
Lab File: VX016284.D
Acq: 15 May 2020 16:34

Instrument :
MSVOA_X
ClientSampled :
S32-0684

Tot Ion	Ratio	Lower	Upper
96	100		
61	103.8	0.0	296.2
98	56.5	0.0	129.4



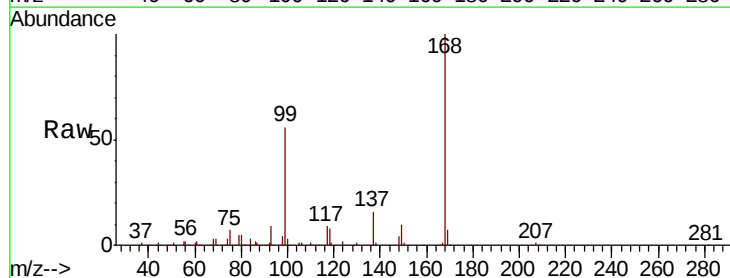
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



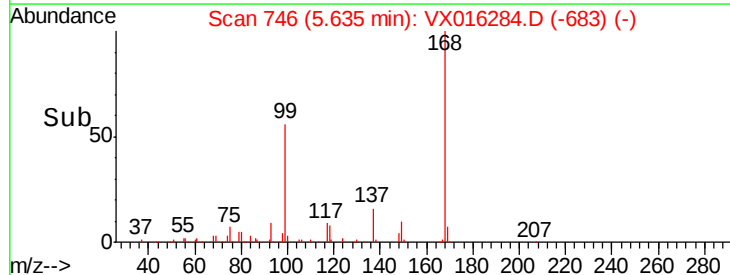
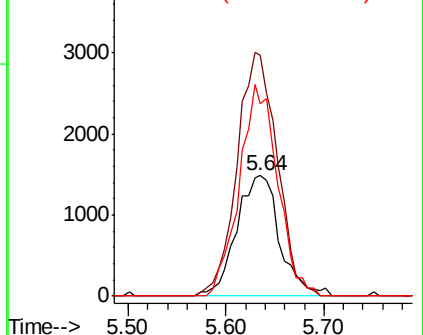
#31

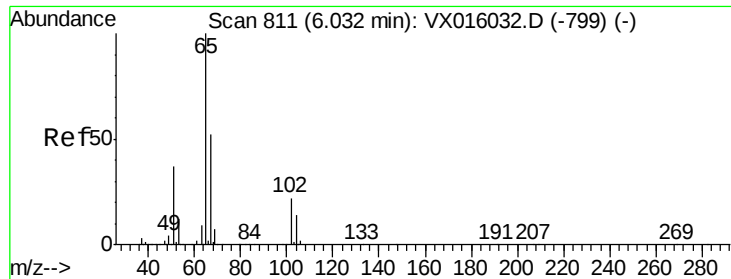
Cyclohexane
Concen: 1.040 ug/l
RT: 5.64 min Scan# 746
Delta R.T. 0.09 min
Lab File: VX016284.D
Acq: 15 May 2020 16:34

Tgt Ion	Ratio	Lower	Upper
56	100		
69	199.9	25.0	37.6#
84	159.7	69.0	103.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.023 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX016284.D

Acq: 15 May 2020 16:34

Instrument :

MSVOA_X

ClientSampleId :

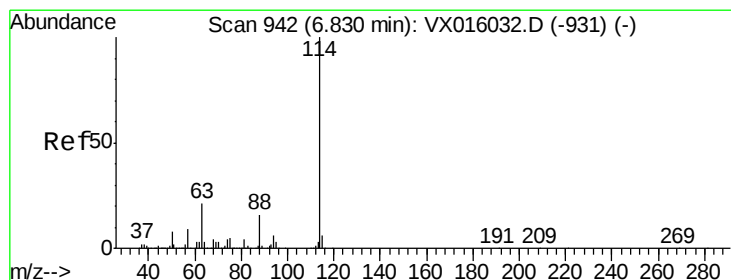
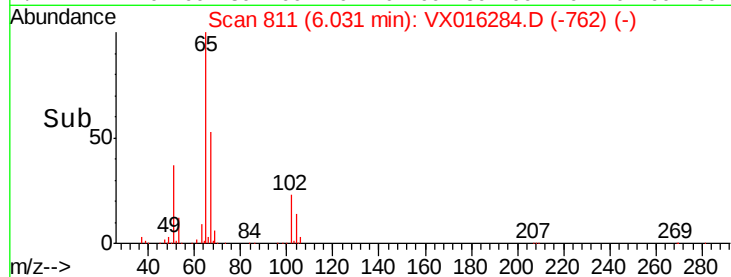
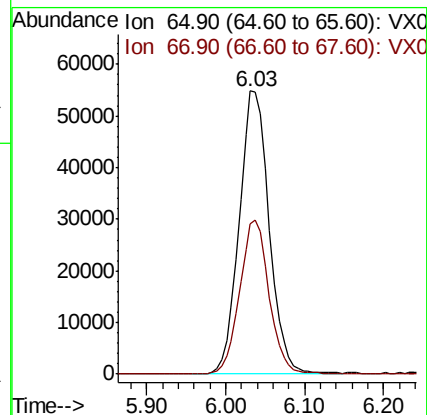
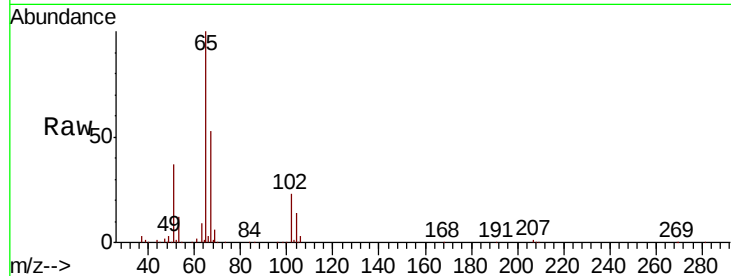
S32-0684

Tot Ion: 65 Resp: 145133

Ion Ratio Lower Upper

65 100

67 53.2 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016284.D

Acq: 15 May 2020 16:34

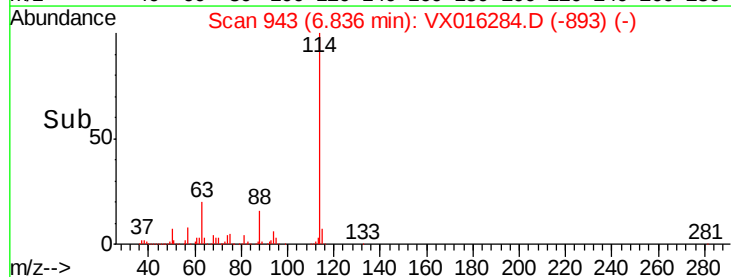
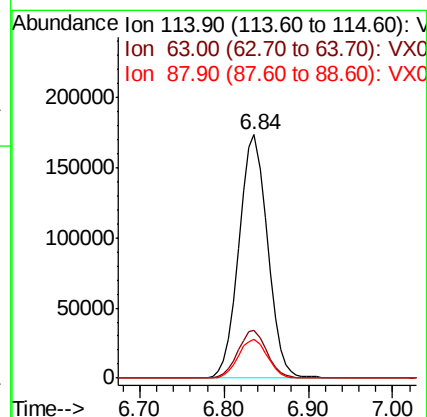
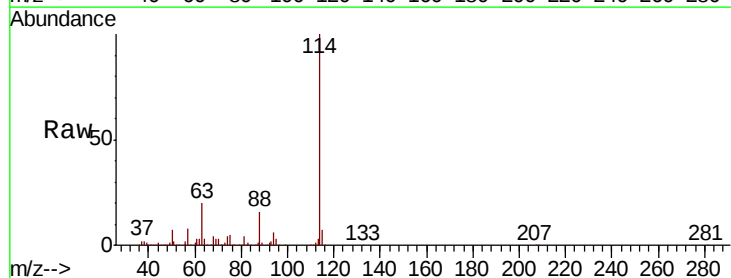
Tgt Ion: 114 Resp: 398286

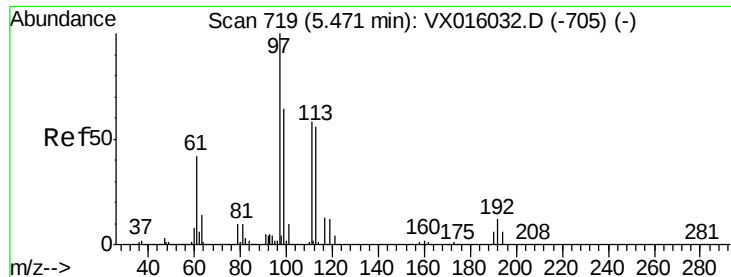
Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.8

88 16.0 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.182 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016284.D

Acq: 15 May 2020 16:34

Instrument :

MSVOA_X

ClientSampled :

S32-0684

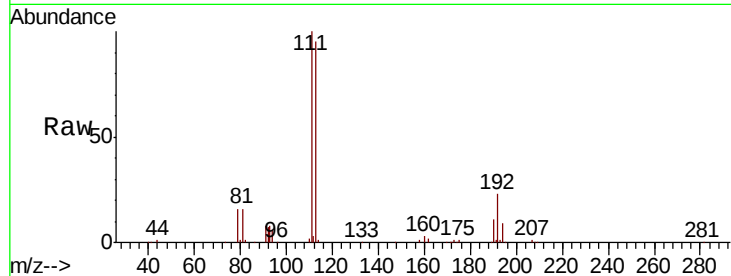
Tot Ion:113 Resp: 116531

Ion Ratio Lower Upper

113 100

111 103.1 81.6 122.4

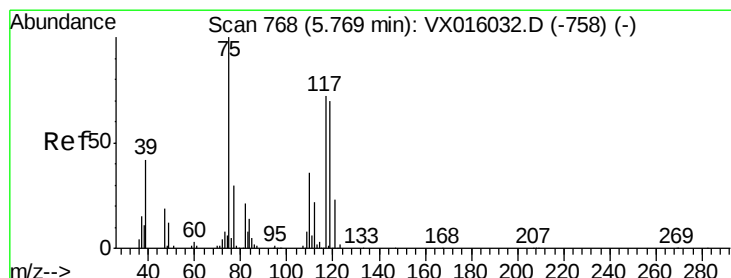
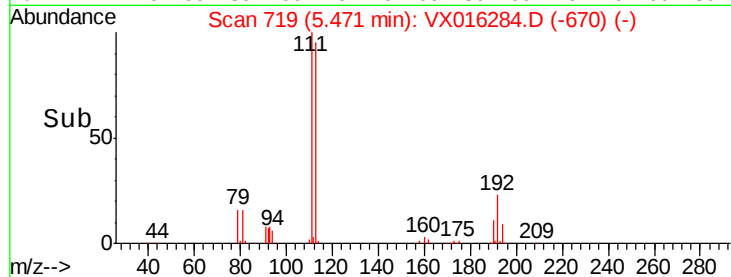
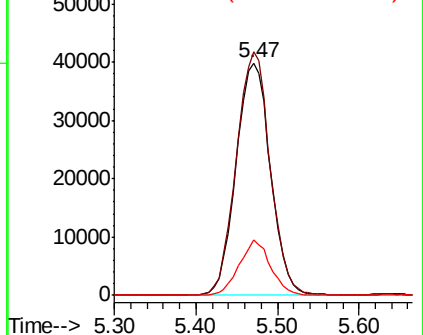
192 21.7 17.0 25.4



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: 4.406 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016284.D

Acq: 15 May 2020 16:34

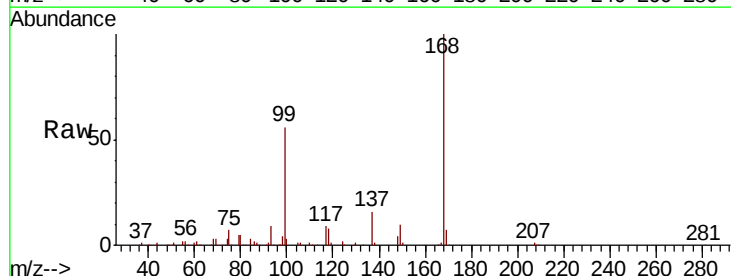
Tgt Ion: 75 Resp: 17273

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.1#

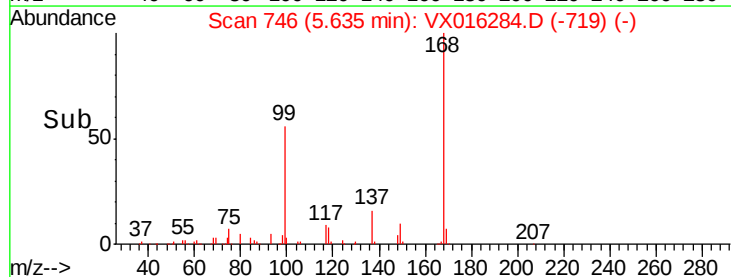
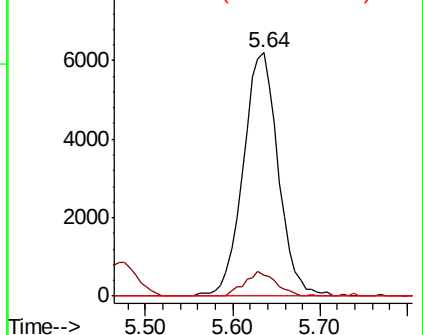
77 0.0 25.0 37.6#

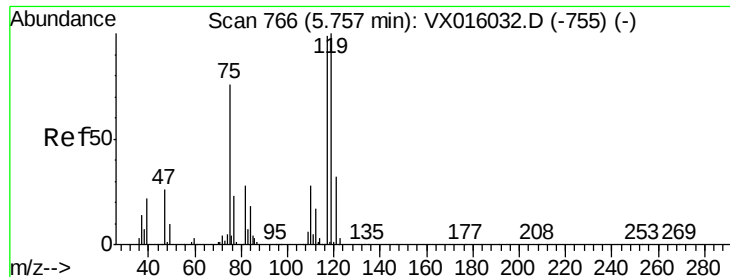


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

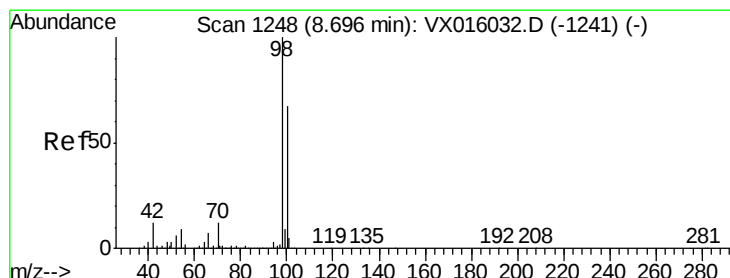
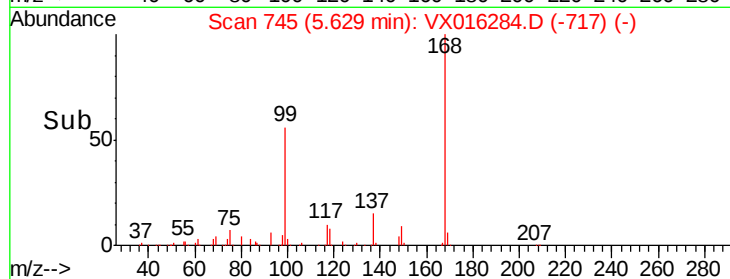
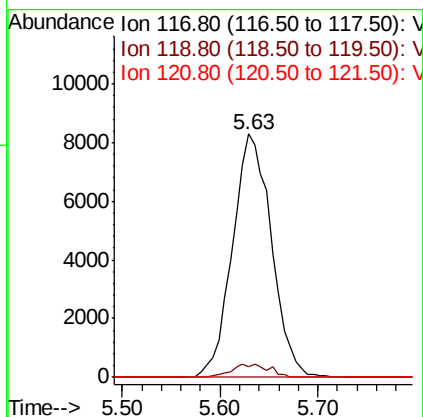
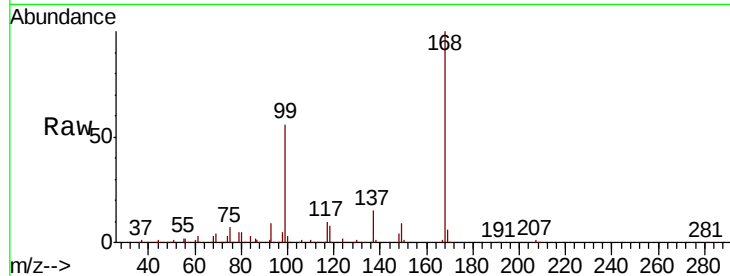




#38
Carbon Tetrachloride
Concen: 5.744 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016284.D
Acq: 15 May 2020 16:34

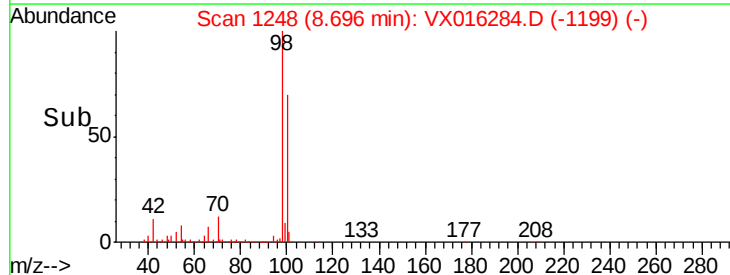
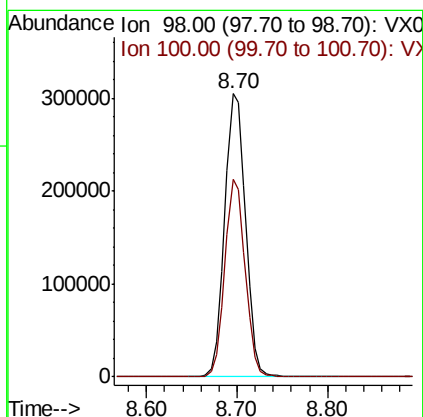
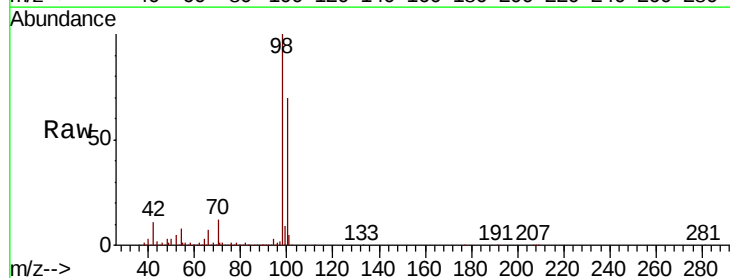
Instrument :
MSVOA_X
ClientSampled :
S32-0684

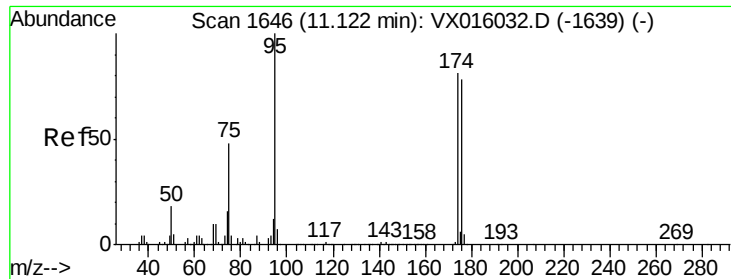
Tot Ion:117 Resp: 22891
Ion Ratio Lower Upper
117 100
119 4.6 80.3 120.5#
121 0.0 25.7 38.5#



#50
Toluene-d8
Concen: 50.455 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016284.D
Acq: 15 May 2020 16:34

Tgt Ion: 98 Resp: 490552
Ion Ratio Lower Upper
98 100
100 67.7 53.7 80.5





#62

4-Bromofluorobenzene

Concen: 53.771 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016284.D

Acq: 15 May 2020 16:34

Instrument :

MSVOA_X

ClientSampled :

S32-0684

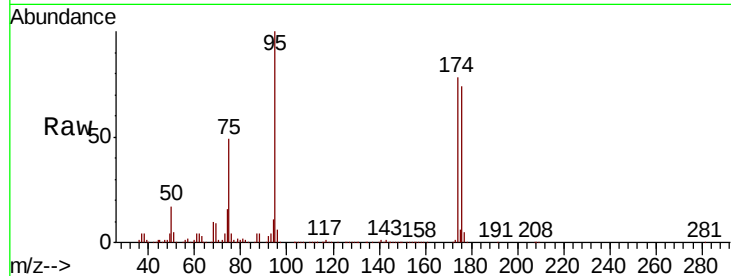
Tot Ion: 95 Resp: 198843

Ion Ratio Lower Upper

95 100

174 80.0 0.0 159.4

176 77.4 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX016032.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX016032.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX016032.D (-1639) (-)

11.12

150000

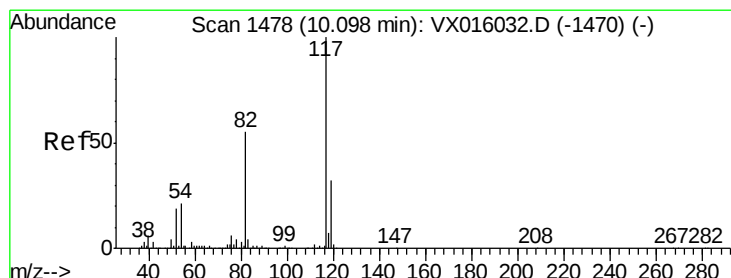
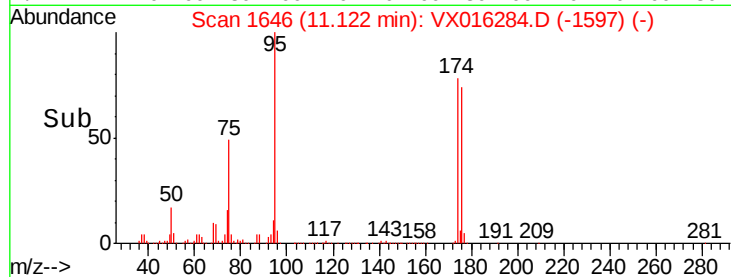
100000

50000

0

11.10 11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016284.D

Acq: 15 May 2020 16:34

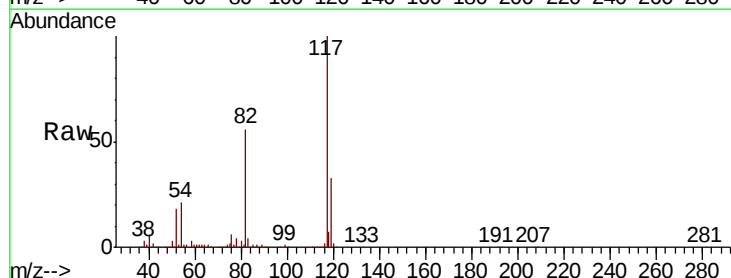
Tgt Ion: 117 Resp: 395532

Ion Ratio Lower Upper

117 100

82 55.8 44.4 66.6

119 32.8 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VX016032.D (-1470) (-)

Ion 82.00 (81.70 to 82.70): VX016032.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX016032.D (-1470) (-)

10.10

400000

300000

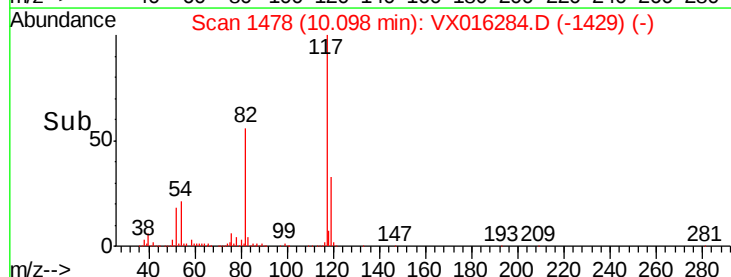
200000

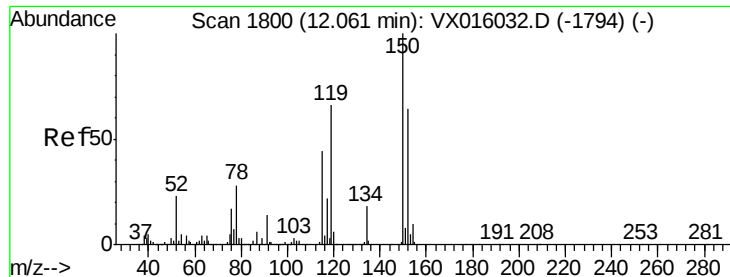
100000

0

10.00 10.10 10.20

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1801

Delta R.T. 0.01 min

Lab File: VX016284.D

Acq: 15 May 2020 16:34

Instrument :

MSVOA_X

ClientSampleId :

S32-0684

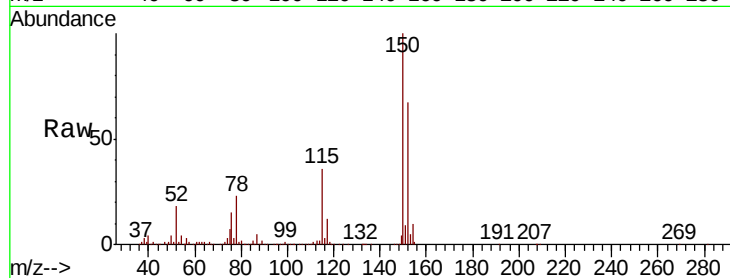
Tot Ion:152 Resp: 203169

Ion Ratio Lower Upper

152 100

115 57.8 41.3 124.1

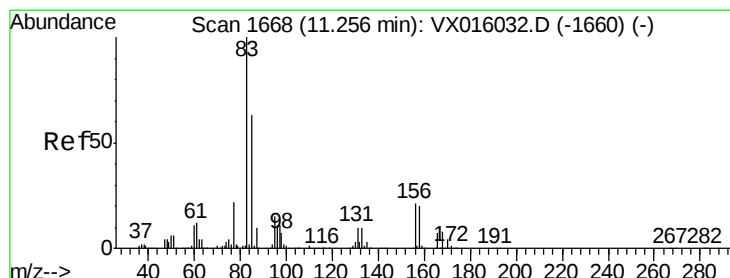
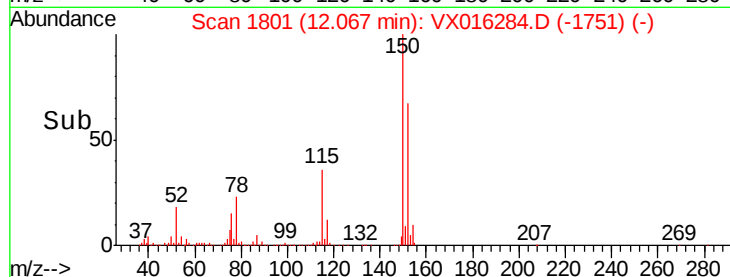
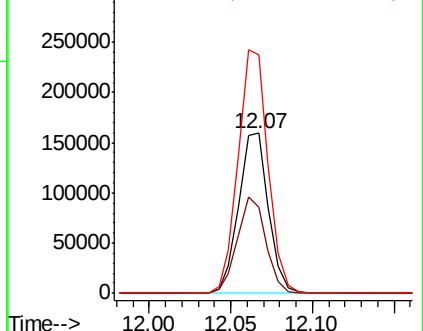
150 152.5 0.0 352.2



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: 2.076 ug/l

RT: 11.26 min Scan# 1668

Delta R.T. 0.00 min

Lab File: VX016284.D

Acq: 15 May 2020 16:34

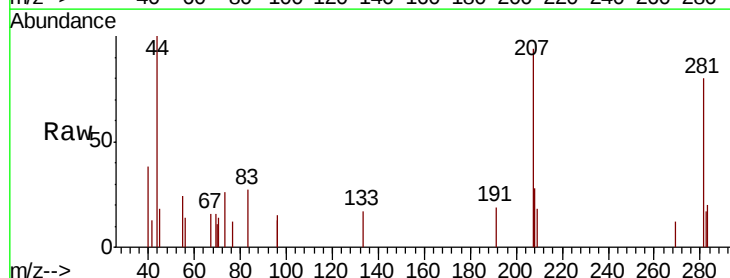
Tgt Ion: 83 Resp: 75

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

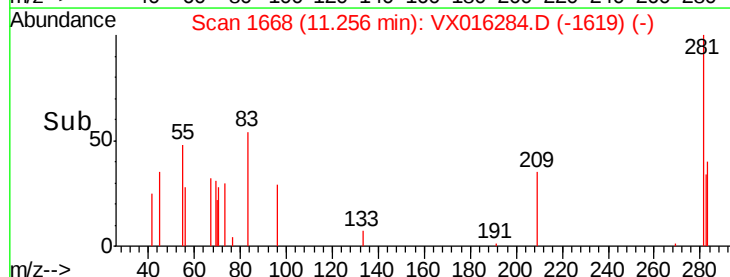
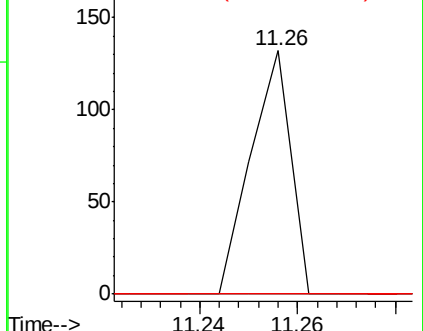
85 0.0 32.0 96.0#

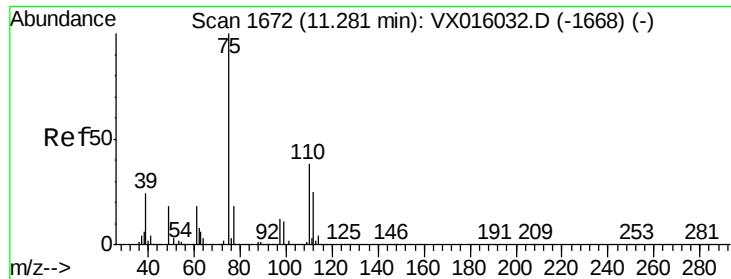


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 20.899 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016284.D

Acq: 15 May 2020 16:34

Instrument :

MSVOA_X

ClientSampled :

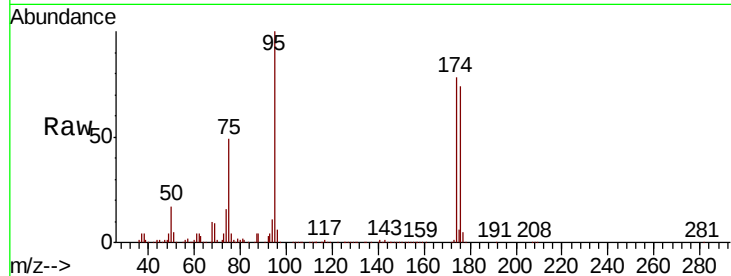
S32-0684

Tot Ion: 75 Resp: 96354

Ion Ratio Lower Upper

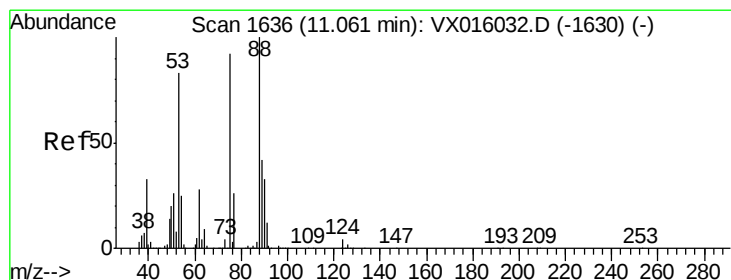
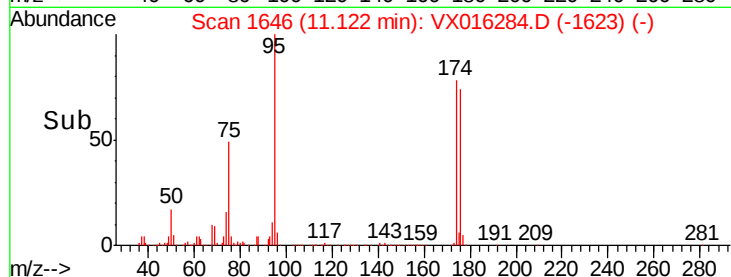
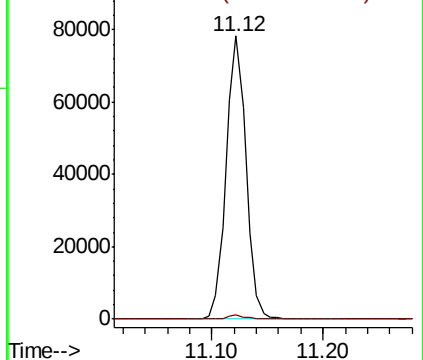
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 49.805 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016284.D

Acq: 15 May 2020 16:34

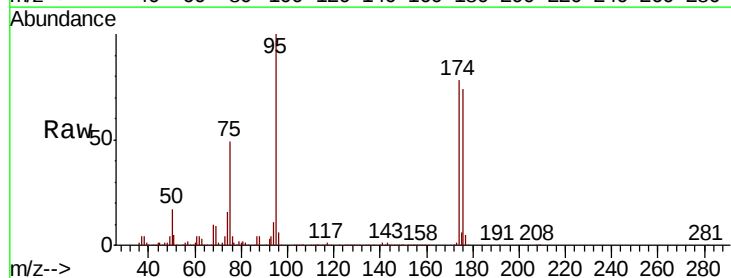
Tgt Ion: 75 Resp: 96354

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

