

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX052020\
 Data File : VX016362.D
 Acq On : 20 May 2020 16:00
 Operator : JC/SP
 Sample : L2708-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0691

Quant Time: May 21 03:53:28 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	249843	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	414723	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	411176	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	203981	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	146478	44.55	ug/l	0.00
Spiked Amount			Recovery	=	89.10%	
35) Dibromofluoromethane	5.47	113	120573	45.89	ug/l	0.00
Spiked Amount			Recovery	=	91.78%	
50) Toluene-d8	8.70	98	513870	50.76	ug/l	0.00
Spiked Amount			Recovery	=	101.52%	
62) 4-Bromofluorobenzene	11.12	95	207779	53.96	ug/l	0.00
Spiked Amount			Recovery	=	107.92%	

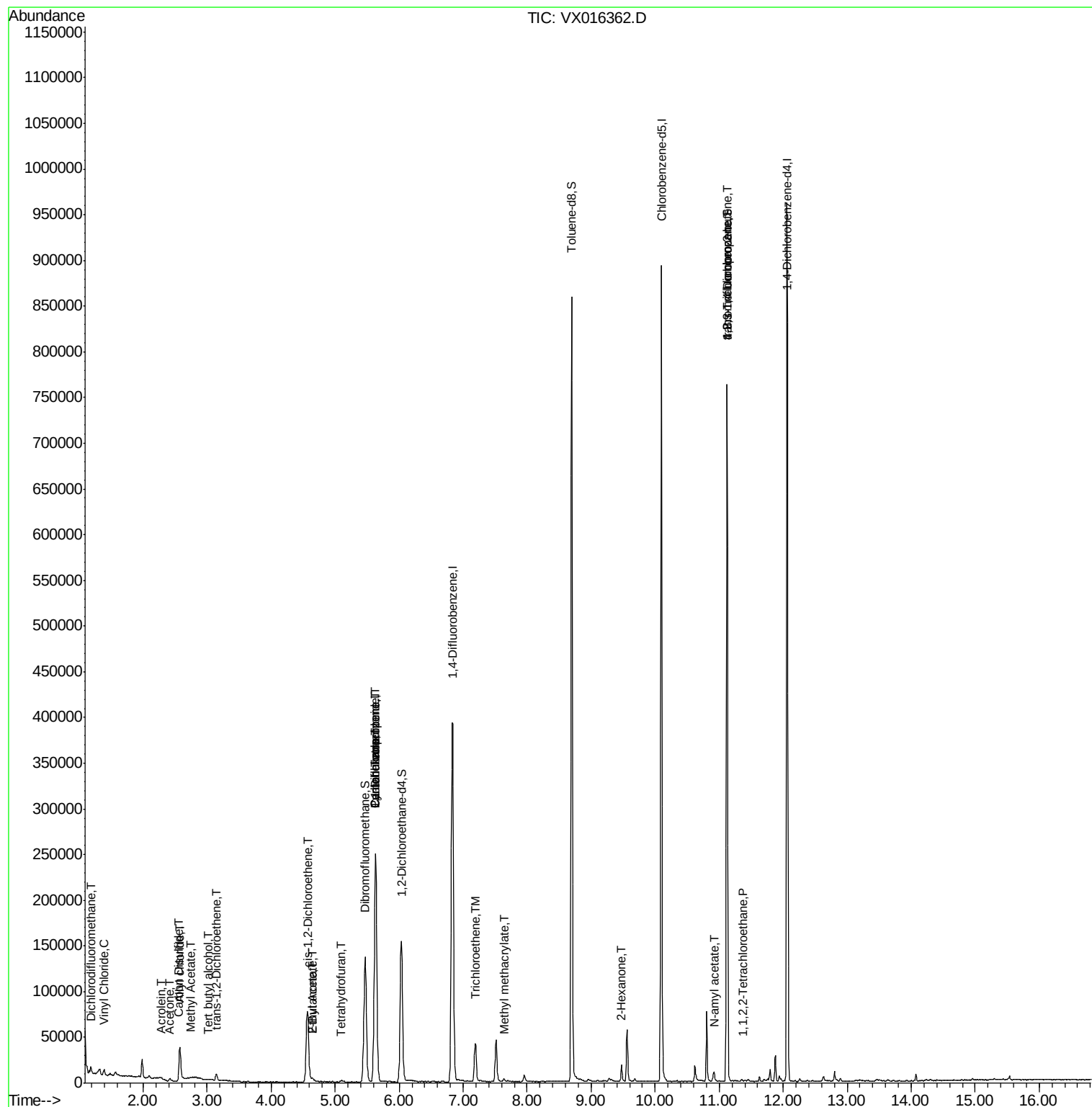
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	2137	0.808	ug/l	93
4) Vinyl Chloride	1.39	62	2411	0.736	ug/l #	86
11) Tert butyl alcohol	3.02	59	383	0.461	ug/l #	72
13) Acrolein	2.28	56	350	0.673	ug/l #	14
14) Allyl chloride	2.58	41	3391	0.712	ug/l #	65
16) Acetone	2.42	43	2611	1.780	ug/l #	86
17) Carbon Disulfide	2.56	76	7780	0.794	ug/l	97
18) Methyl Acetate	2.75	43	836	0.232	ug/l #	56
21) trans-1,2-Dichloroethene	3.14	96	3074	1.062	ug/l	91
25) 2-Butanone	4.64	43	5749	2.432	ug/l	92
27) cis-1,2-Dichloroethene	4.57	96	52496	16.591	ug/l	86
29) Tetrahydrofuran	5.09	42	984	0.628	ug/l #	79
31) Cyclohexane	5.63	56	4381	0.959	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	17305	4.239	ug/l #	49
37) Ethyl Acetate	4.64	43	5749	1.215	ug/l #	67
38) Carbon Tetrachloride	5.63	117	23782	5.731	ug/l #	14
44) Trichloroethene	7.19	130	16690	3.933	ug/l	97
48) Methyl methacrylate	7.63	41	1206	0.337	ug/l #	42
59) 2-Hexanone	9.48	43	9316	2.568	ug/l	92
74) N-amyl acetate	10.91	43	1528	0.221	ug/l #	13
75) 1,1,2,2-Tetrachloroethane	11.38	83	22	2.057	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	98078	21.189	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	98078	50.494	ug/l #	13

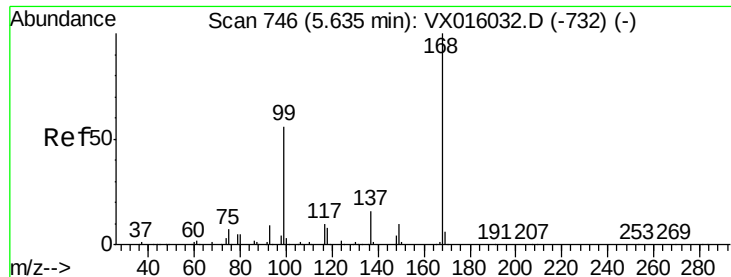
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX052020\
Data File : VX016362.D
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Instrument :
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Quant Time: May 21 03:53:28 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X050420W.M
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: VX016362.D

Acq: 20 May 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

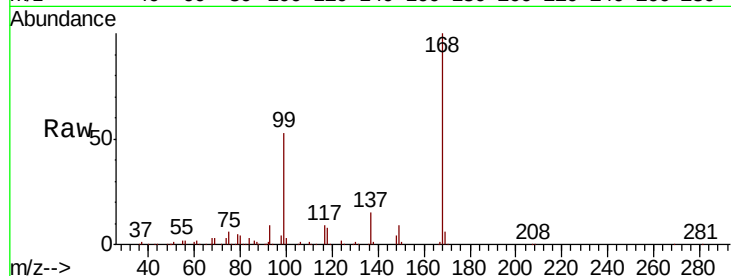
S32-0691

Tot Ion:168 Resp: 249843

Ion Ratio Lower Upper

168 100

99 52.6 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

100000

80000

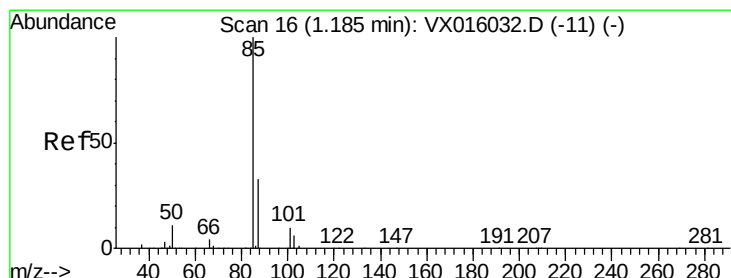
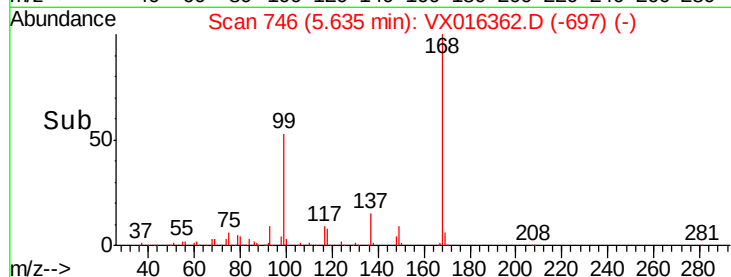
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.808 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016362.D

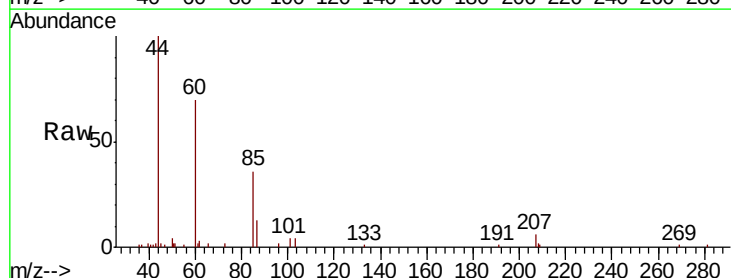
Acq: 20 May 2020 16:00

Tgt Ion: 85 Resp: 2137

Ion Ratio Lower Upper

85 100

87 36.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

2500

2000

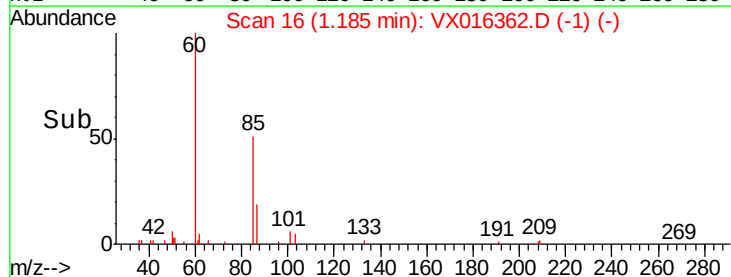
1500

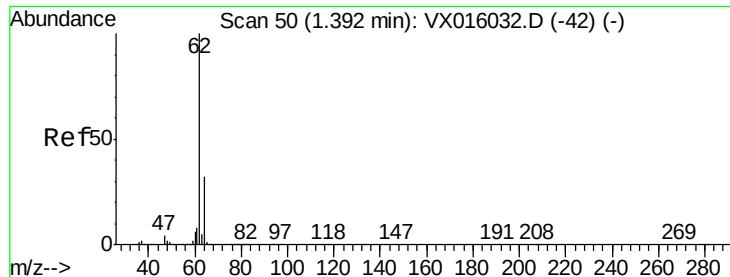
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 0.736 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016362.D

Acq: 20 May 2020 16:00

Instrument :

MSVOA_X

ClientSampled :

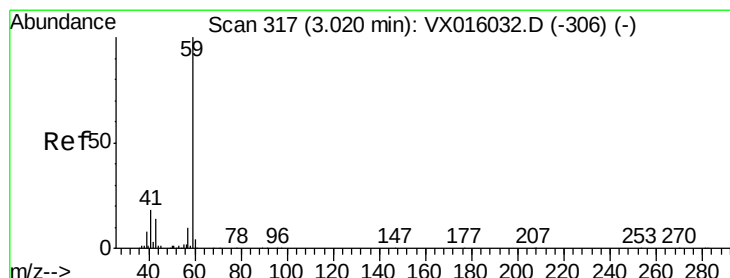
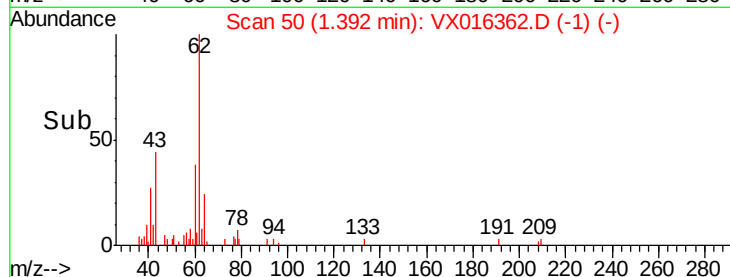
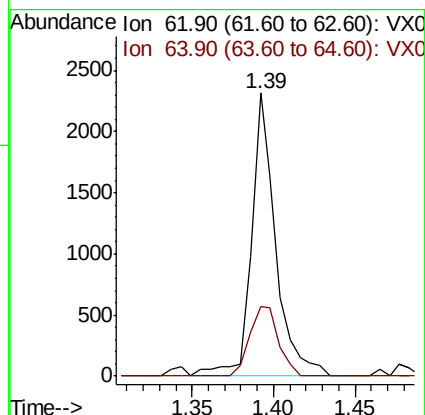
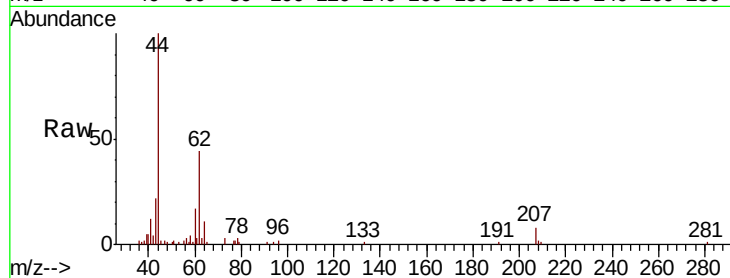
S32-0691

Tot Ion: 62 Resp: 2411

Ion Ratio Lower Upper

62 100

64 24.5 25.7 38.5#



#11

Tert butyl alcohol

Concen: 0.461 ug/l

RT: 3.02 min Scan# 317

Delta R.T. -0.00 min

Lab File: VX016362.D

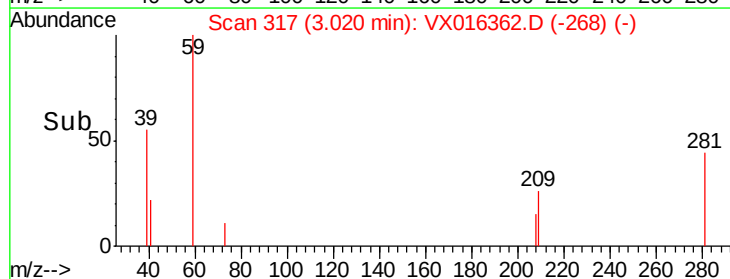
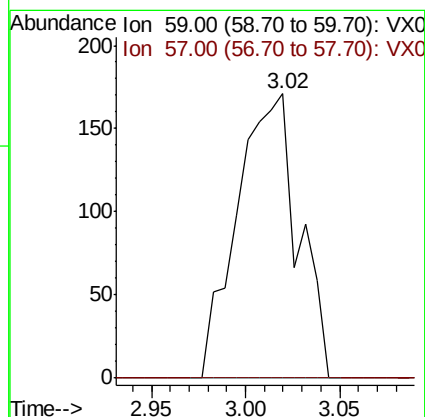
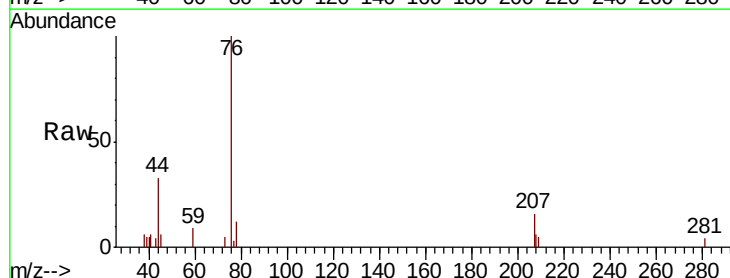
Acq: 20 May 2020 16:00

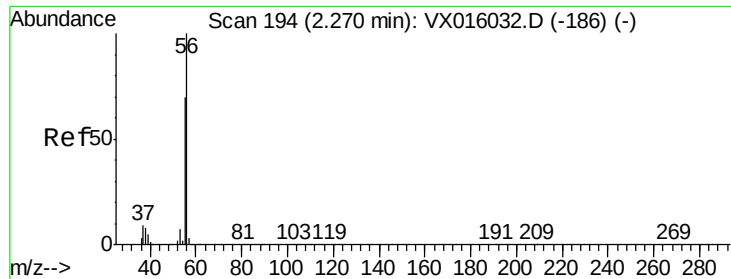
Tgt Ion: 59 Resp: 383

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#

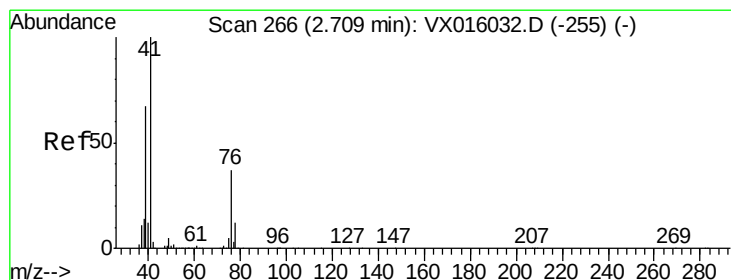
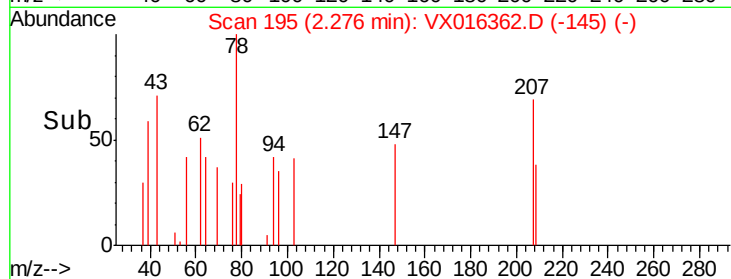
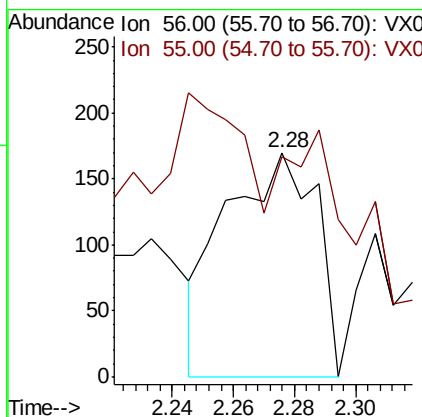
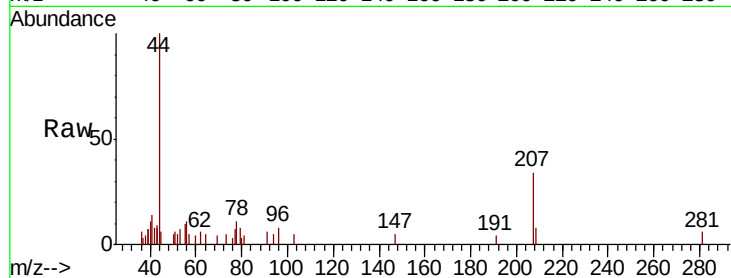




#13
Acrolein
Concen: 0.673 ug/l
RT: 2.28 min Scan# 195
Delta R.T. 0.01 min
Lab File: VX016362.D
Acq: 20 May 2020 16:00

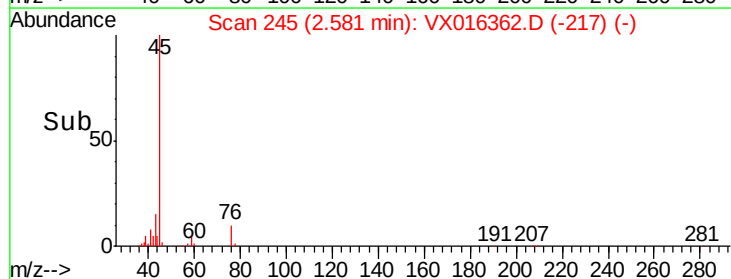
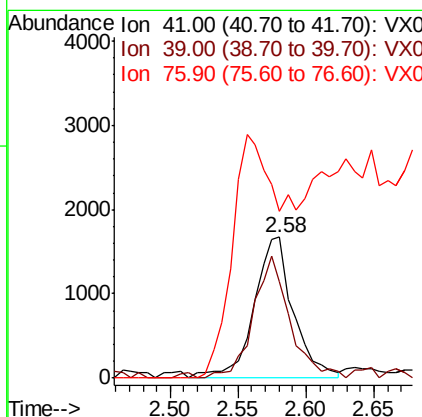
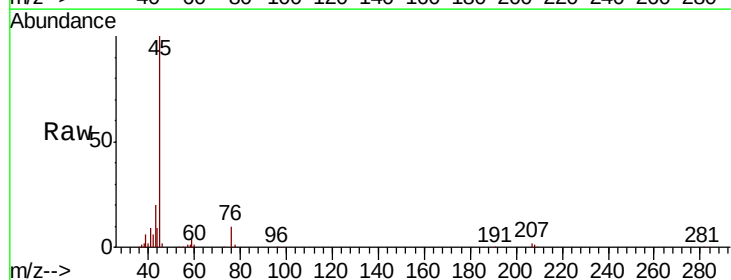
Instrument :
MSVOA_X
ClientSampleId :
S32-0691

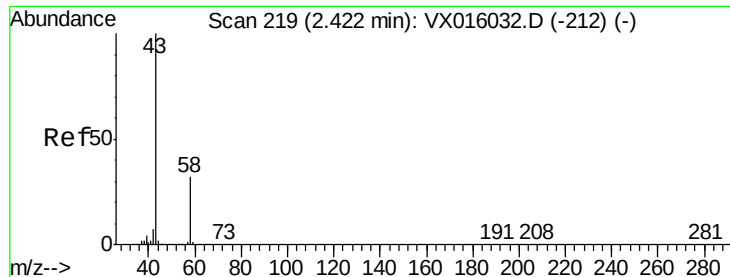
Tot Ion: 56 Resp: 350
Ion Ratio Lower Upper
56 100
55 0.0 56.5 84.7#



#14
Allyl chloride
Concen: 0.712 ug/l
RT: 2.58 min Scan# 245
Delta R.T. -0.13 min
Lab File: VX016362.D
Acq: 20 May 2020 16:00

Tgt Ion: 41 Resp: 3391
Ion Ratio Lower Upper
41 100
39 80.1 50.5 75.7#
76 0.0 26.6 40.0#





#16

Acetone

Concen: 1.780 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016362.D

Acq: 20 May 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

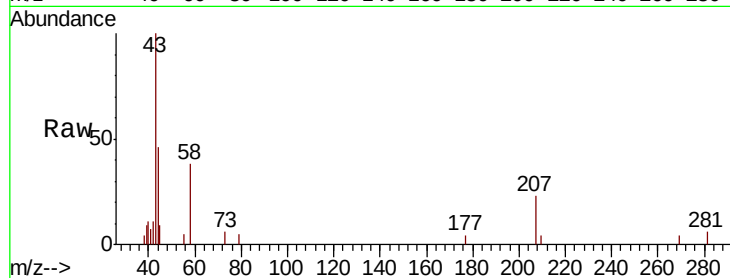
S32-0691

Tot Ion: 43 Resp: 2611

Ion Ratio Lower Upper

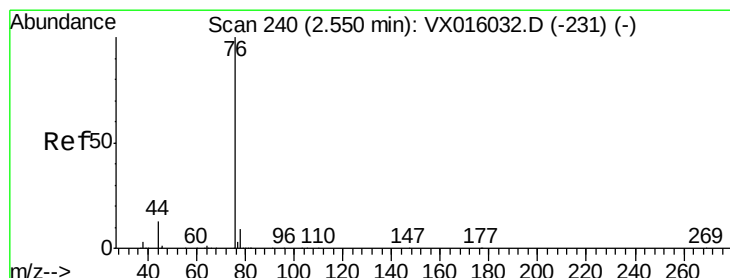
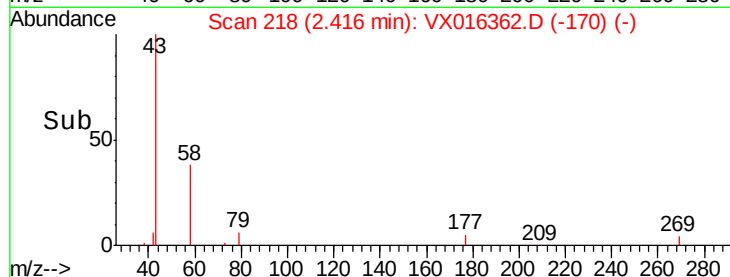
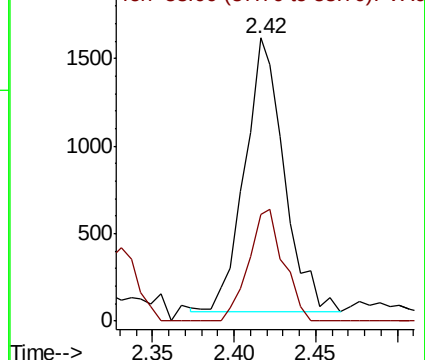
43 100

58 39.3 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.794 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX016362.D

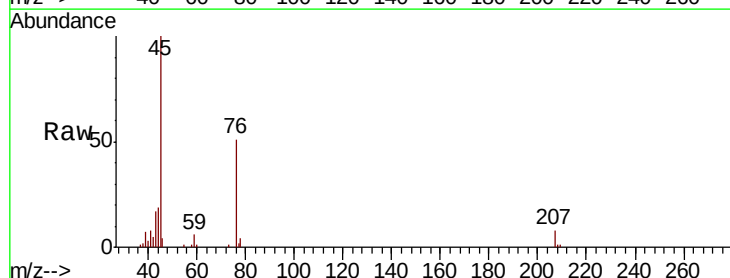
Acq: 20 May 2020 16:00

Tgt Ion: 76 Resp: 7780

Ion Ratio Lower Upper

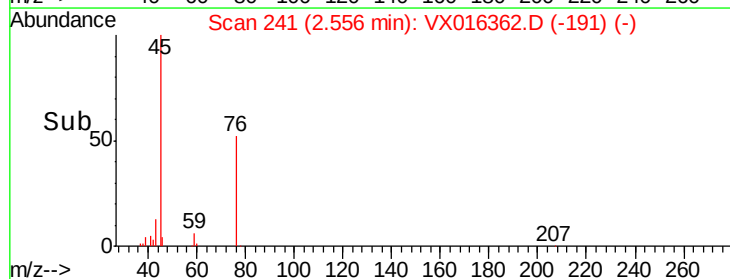
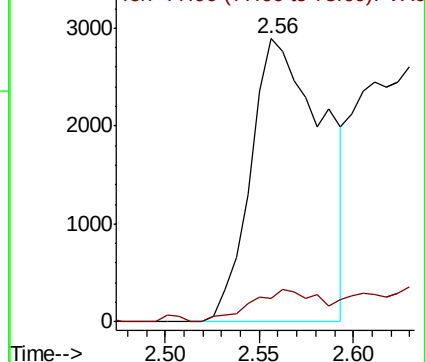
76 100

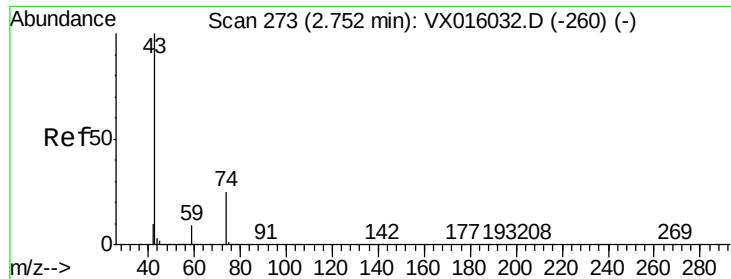
78 8.4 7.5 11.3



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

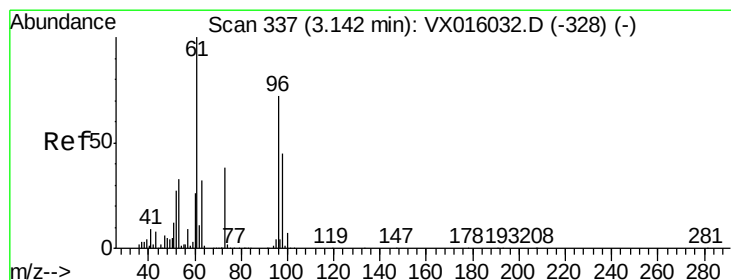
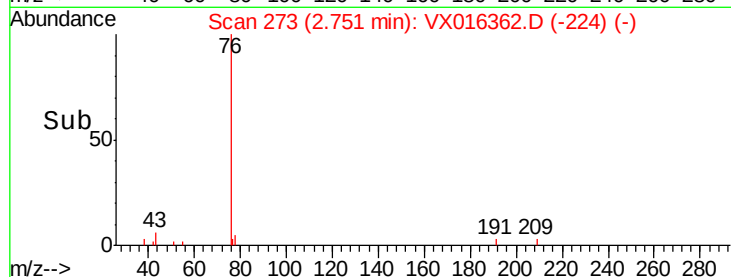
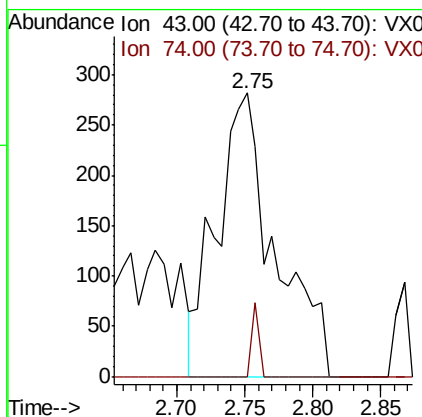
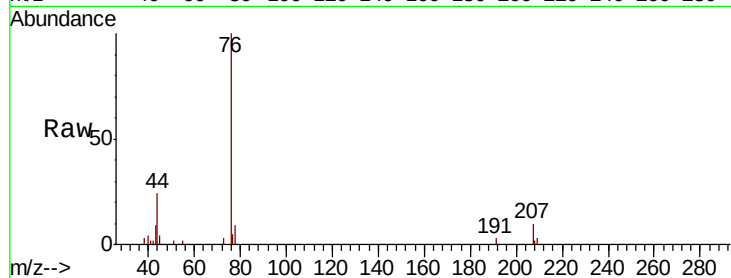




#18
Methyl Acetate
Concen: 0.232 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX016362.D
Acq: 20 May 2020 16:00

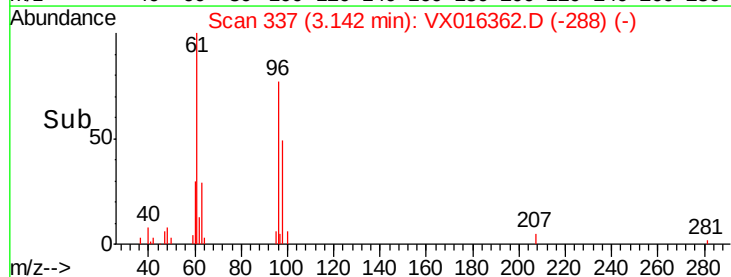
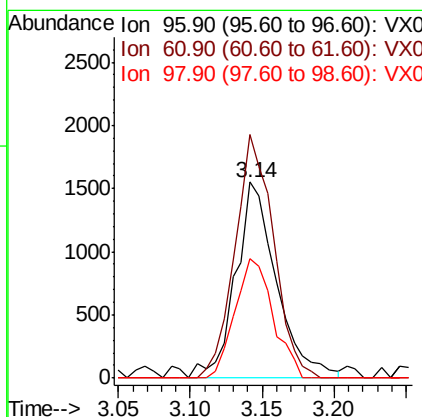
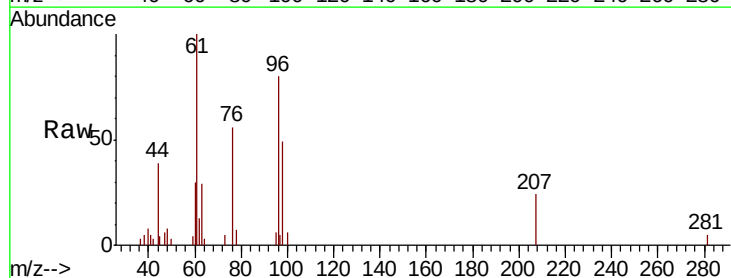
Instrument :
MSVOA_X
ClientSampled :
S32-0691

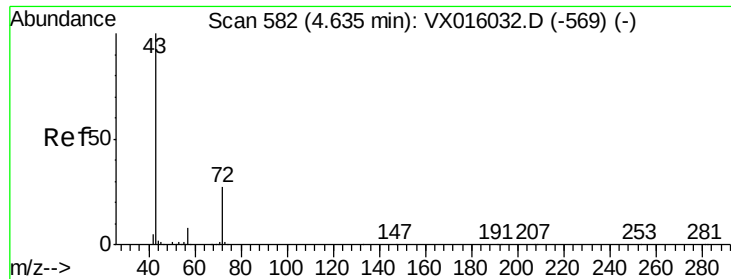
Tot Ion: 43 Resp: 836
Ion Ratio Lower Upper
43 100
74 3.2 20.2 30.2#



#21
trans-1,2-Dichloroethene
Concen: 1.062 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX016362.D
Acq: 20 May 2020 16:00

Tgt Ion: 96 Resp: 3074
Ion Ratio Lower Upper
96 100
61 124.2 111.2 166.8
98 60.7 50.2 75.4





#25

2-Butanone

Concen: 2.432 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016362.D

Acq: 20 May 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

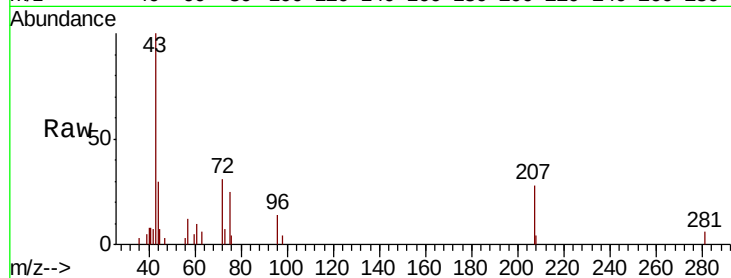
S32-0691

Tot Ion: 43 Resp: 5749

Ion Ratio Lower Upper

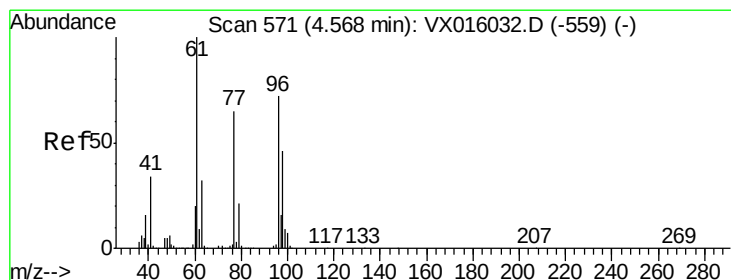
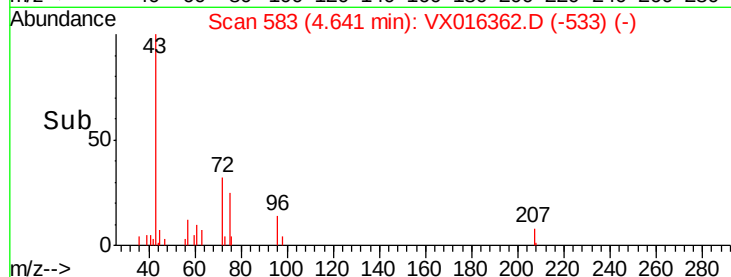
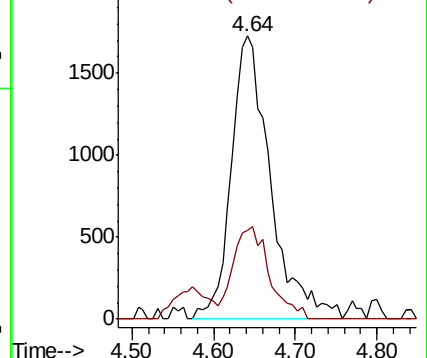
43 100

72 31.3 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: 16.591 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016362.D

Acq: 20 May 2020 16:00

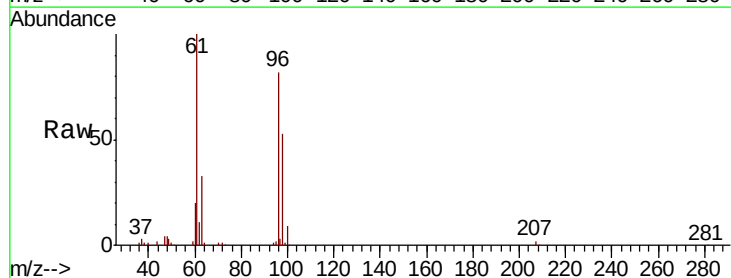
Tgt Ion: 96 Resp: 52496

Ion Ratio Lower Upper

96 100

61 122.9 0.0 296.2

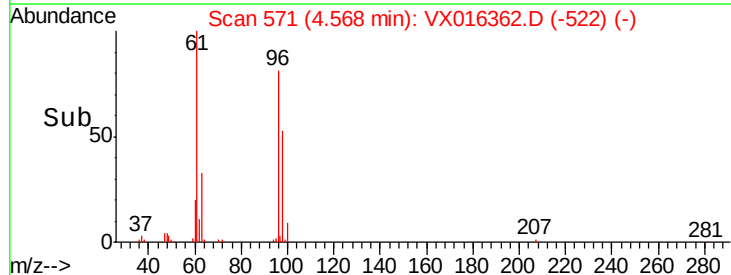
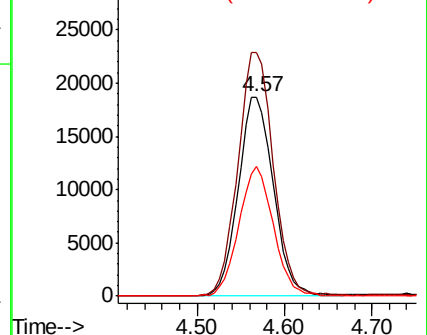
98 63.5 0.0 129.4

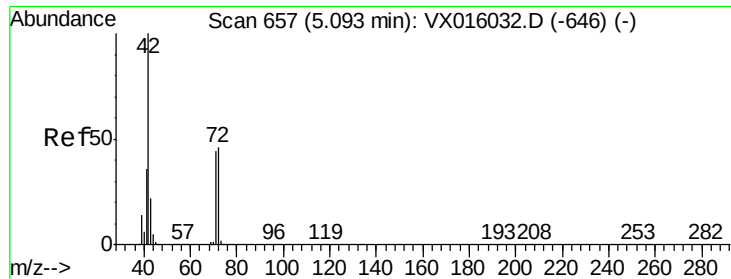


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

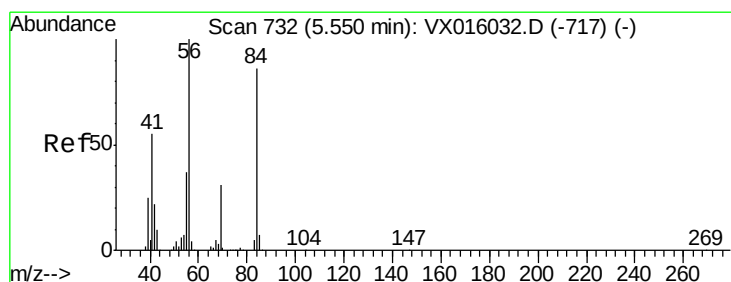
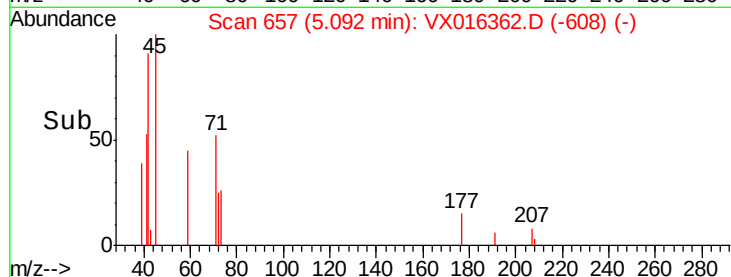
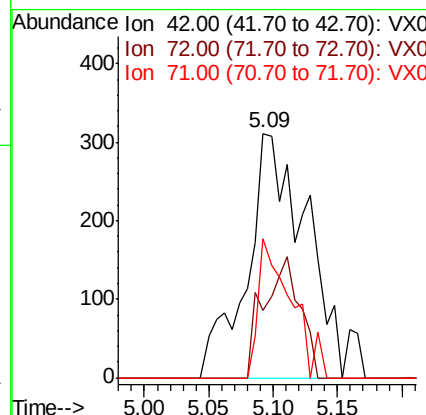
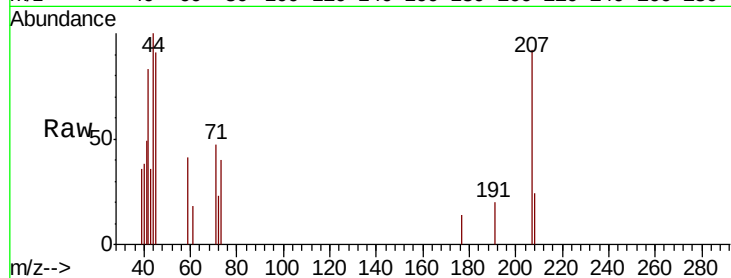




#29
Tetrahydrofuran
Concen: 0.628 ug/l
RT: 5.09 min Scan# 657
Delta R.T. -0.00 min
Lab File: VX016362.D
Acq: 20 May 2020 16:00

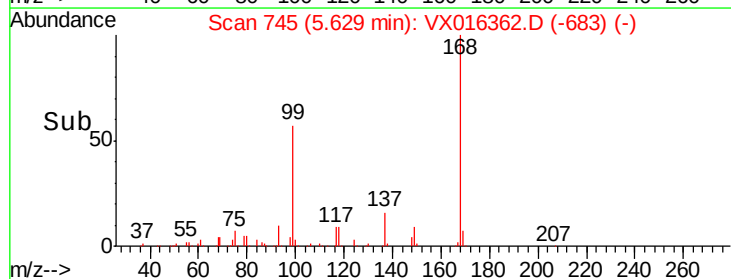
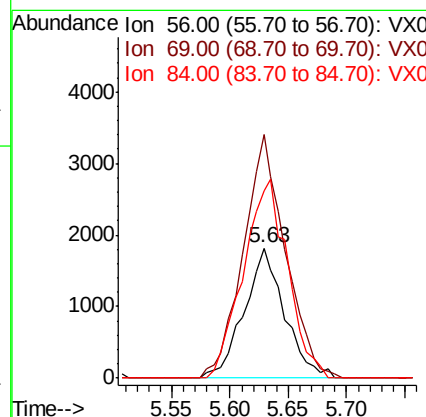
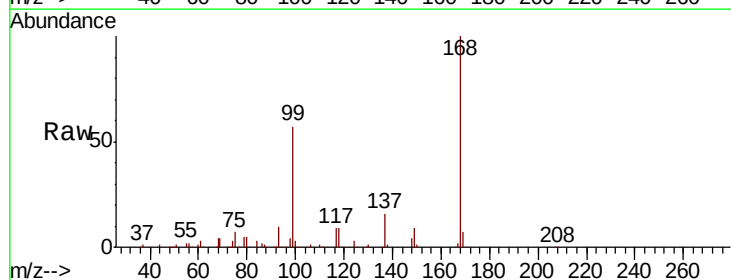
Instrument :
MSVOA_X
ClientSampleId :
S32-0691

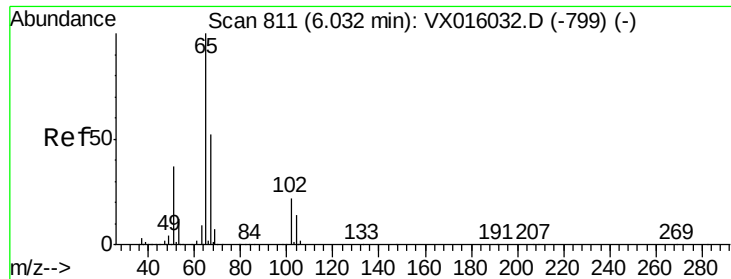
Tot Ion: 42 Resp: 984
Ion Ratio Lower Upper
42 100
72 30.6 37.1 55.7#
71 31.5 34.5 51.7#



#31
Cyclohexane
Concen: 0.959 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016362.D
Acq: 20 May 2020 16:00

Tgt Ion: 56 Resp: 4381
Ion Ratio Lower Upper
56 100
69 187.3 25.0 37.6#
84 143.6 69.0 103.6#

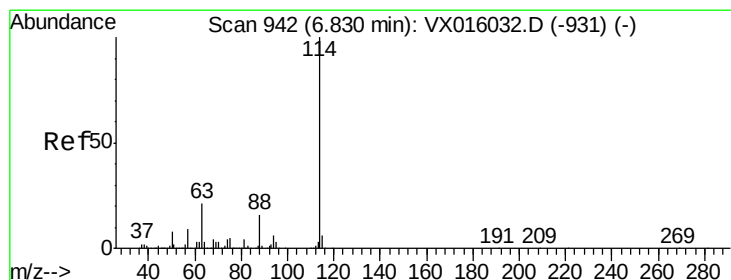
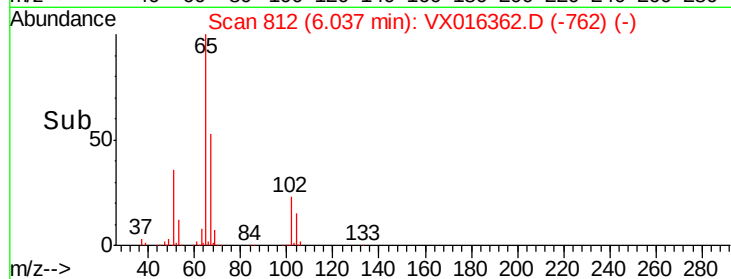
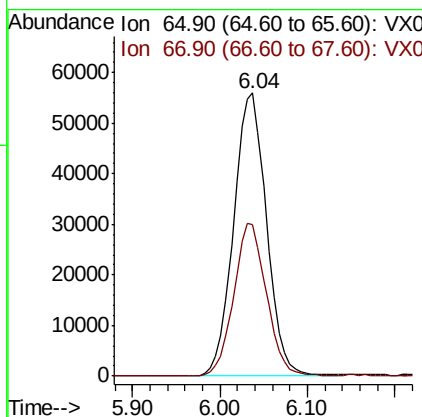
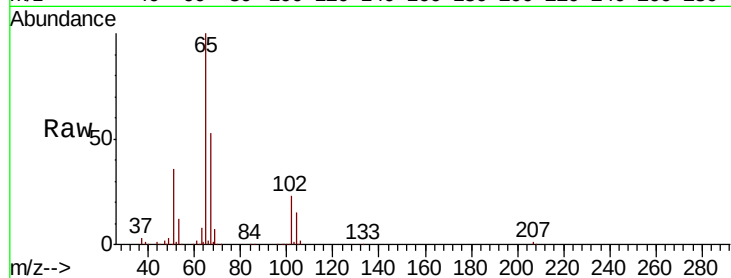




#33
 1,2-Dichloroethane-d4
 Concen: 44.554 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX016362.D
 Acq: 20 May 2020 16:00

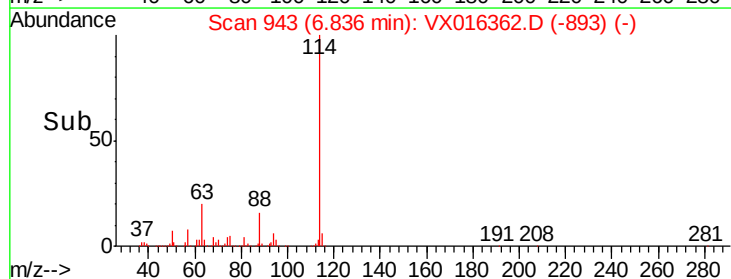
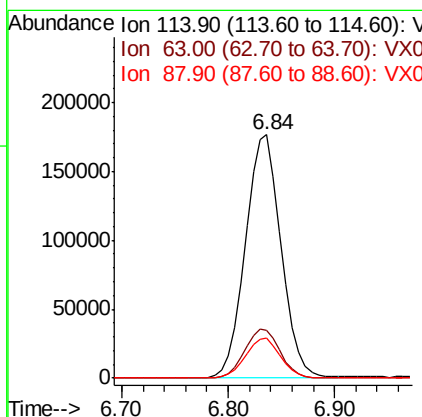
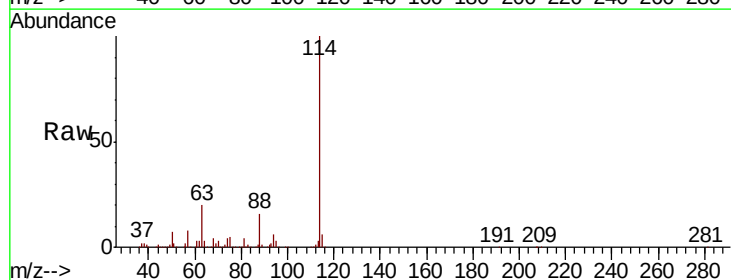
Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0691

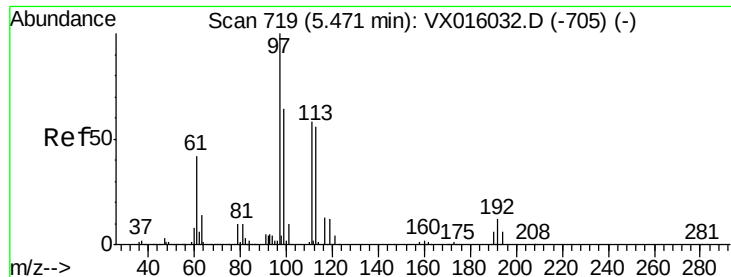
Tot Ion: 65 Resp: 146478
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX016362.D
 Acq: 20 May 2020 16:00

Tgt Ion: 114 Resp: 414723
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.8
 88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 45.890 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016362.D

Acq: 20 May 2020 16:00

Instrument :

MSVOA_X

ClientSampled :

S32-0691

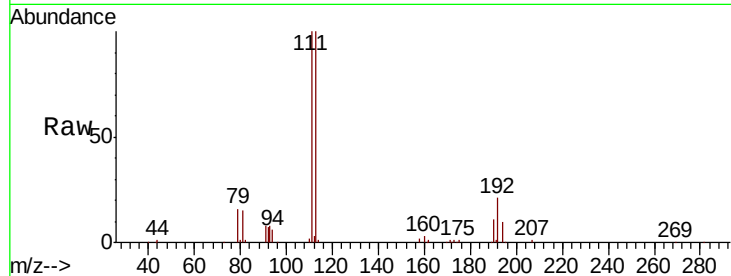
Tot Ion:113 Resp: 120573

Ion Ratio Lower Upper

113 100

111 102.7 81.6 122.4

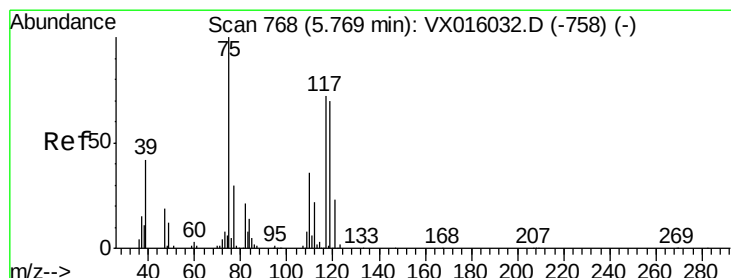
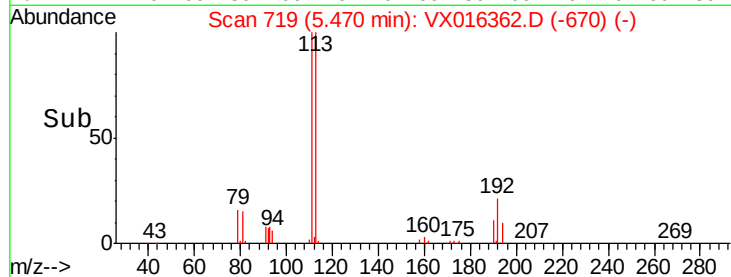
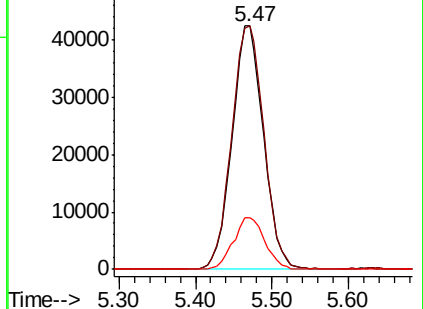
192 21.3 17.0 25.4



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: 4.239 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.13 min

Lab File: VX016362.D

Acq: 20 May 2020 16:00

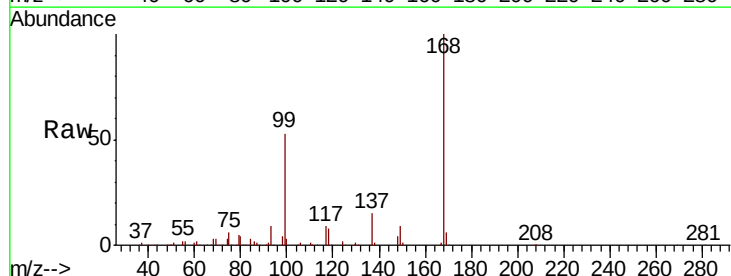
Tgt Ion: 75 Resp: 17305

Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.1#

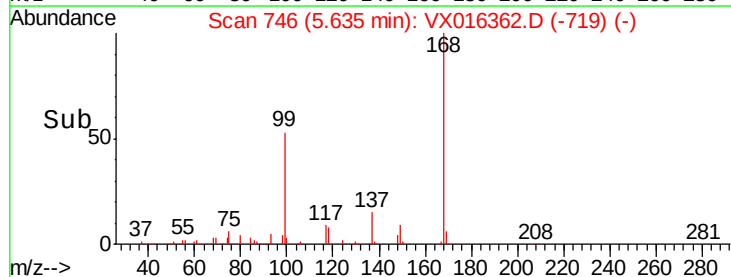
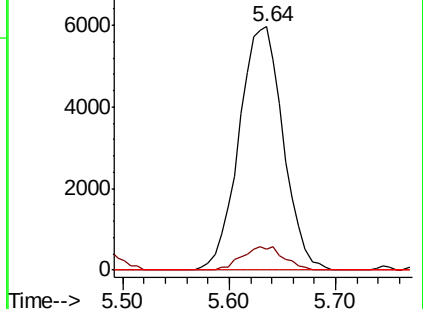
77 0.0 25.0 37.6#

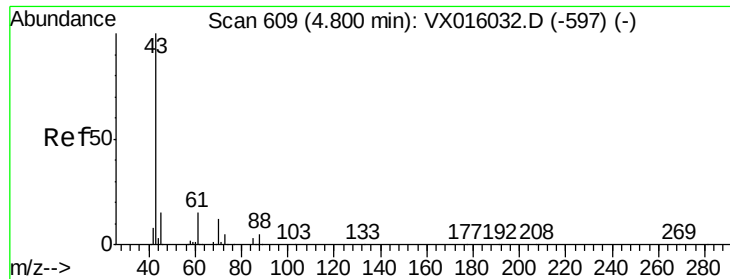


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

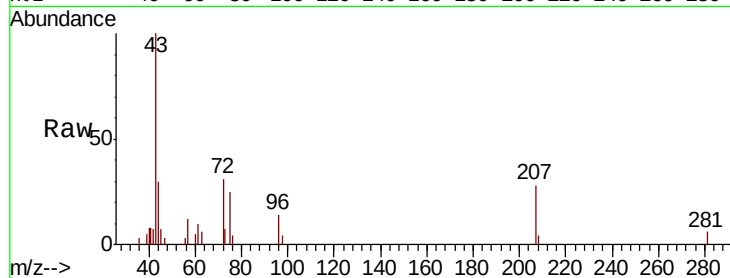




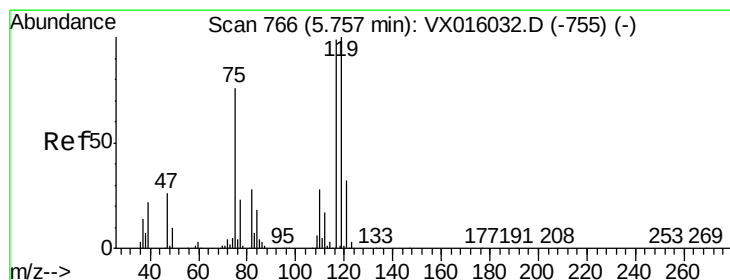
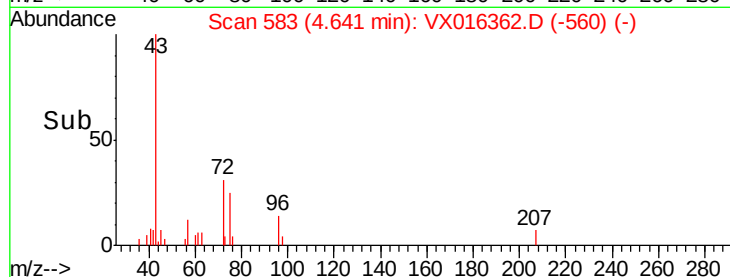
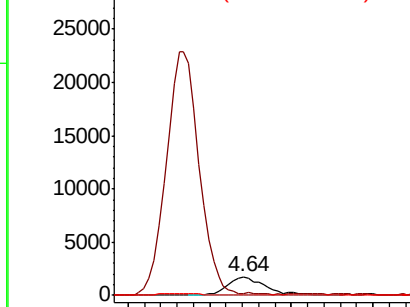
#37
Ethyl Acetate
Concen: 1.215 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.16 min
Lab File: VX016362.D
Acq: 20 May 2020 16:00

Instrument :
MSVOA_X
ClientSampleId :
S32-0691

Tot Ion: 43 Resp: 5749
Ion Ratio Lower Upper
43 100
61 0.0 11.7 17.5#
70 0.0 9.3 13.9#

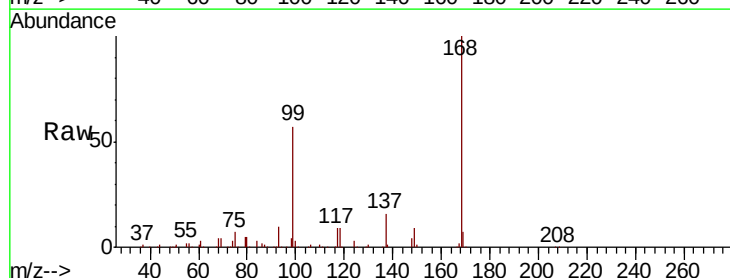


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

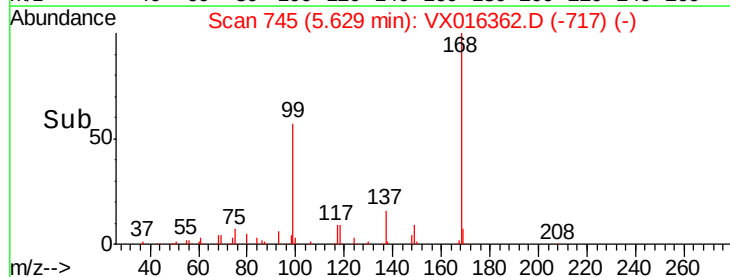
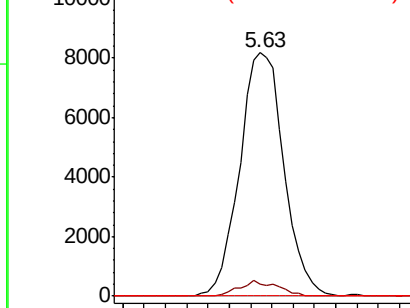


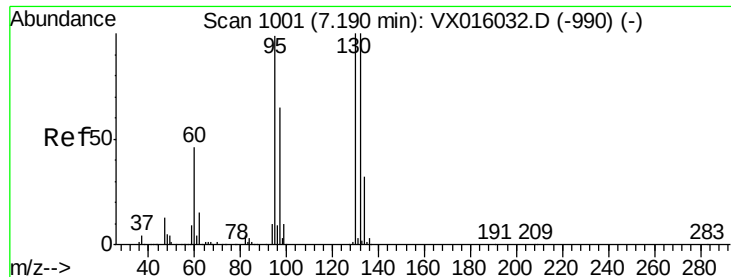
#38
Carbon Tetrachloride
Concen: 5.731 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016362.D
Acq: 20 May 2020 16:00

Tgt Ion: 117 Resp: 23782
Ion Ratio Lower Upper
117 100
119 5.1 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: 3.933 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016362.D

Acq: 20 May 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

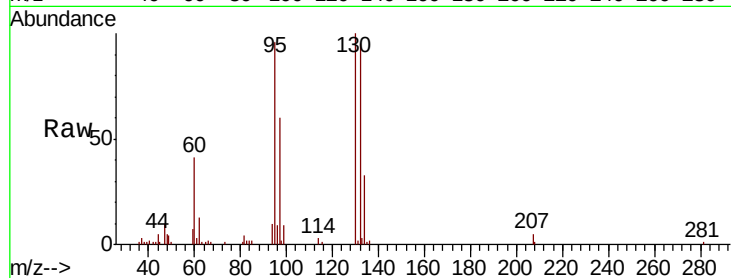
S32-0691

Tot Ion:130 Resp: 16690

Ion Ratio Lower Upper

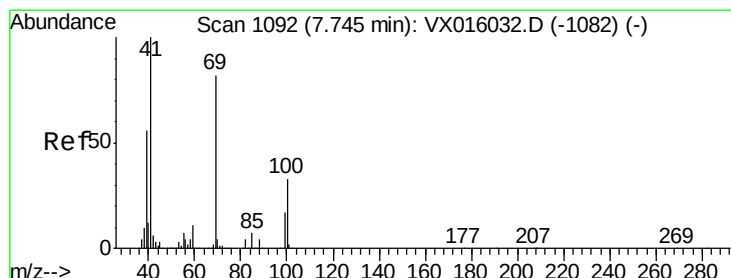
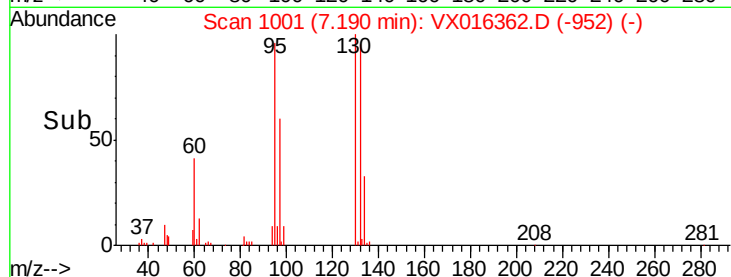
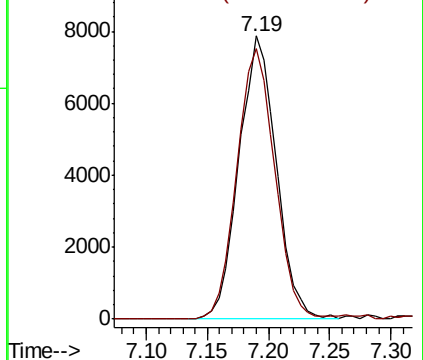
130 100

95 95.6 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#48

Methyl methacrylate

Concen: 0.337 ug/l

RT: 7.63 min Scan# 1074

Delta R.T. -0.11 min

Lab File: VX016362.D

Acq: 20 May 2020 16:00

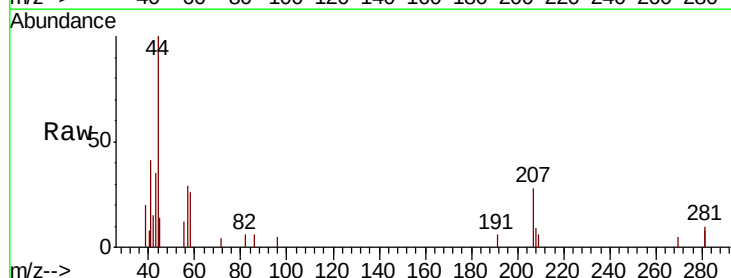
Tgt Ion: 41 Resp: 1206

Ion Ratio Lower Upper

41 100

69 0.0 67.8 101.6#

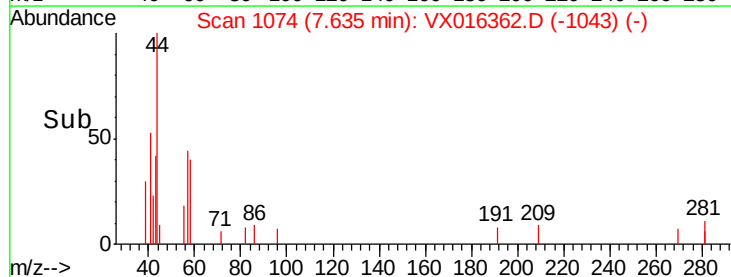
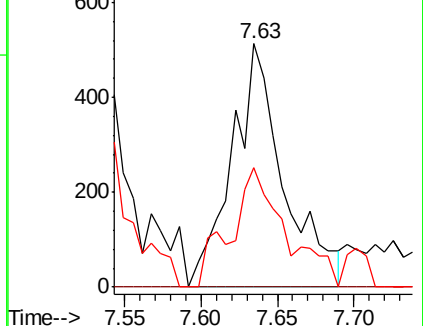
39 52.7 44.6 67.0

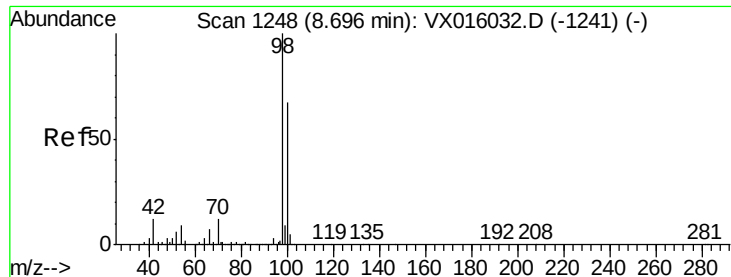


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#50

Toluene-d8

Concen: 50.759 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016362.D

Acq: 20 May 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

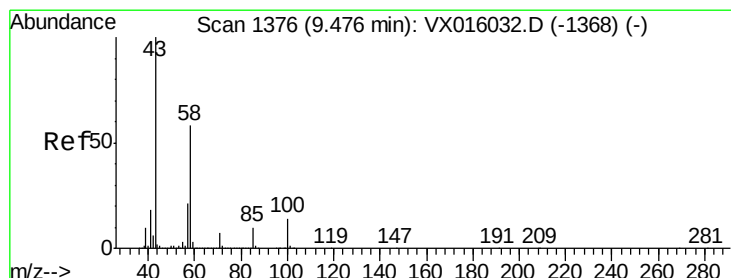
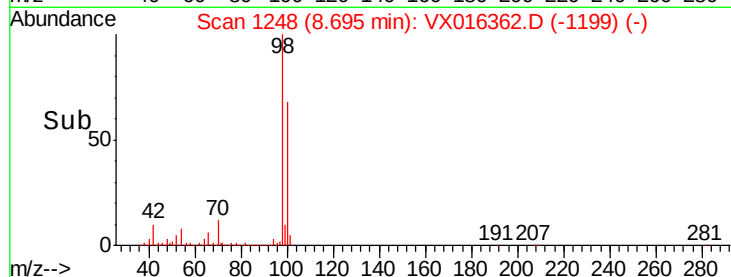
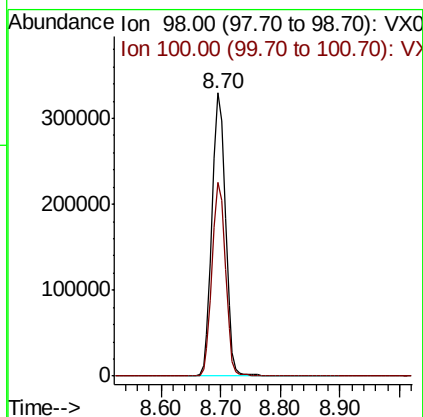
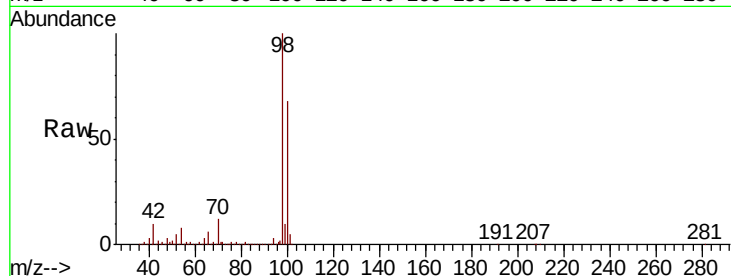
S32-0691

Tot Ion: 98 Resp: 513870

Ion Ratio Lower Upper

98 100

100 67.5 53.7 80.5



#59

2-Hexanone

Concen: 2.568 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VX016362.D

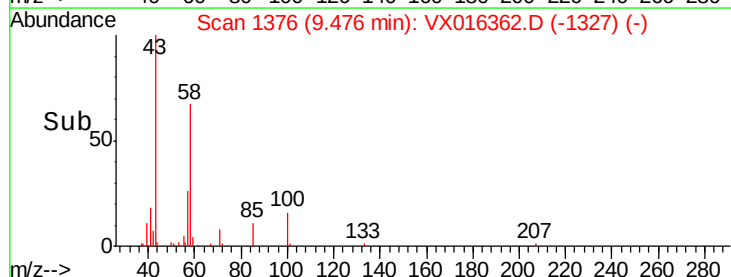
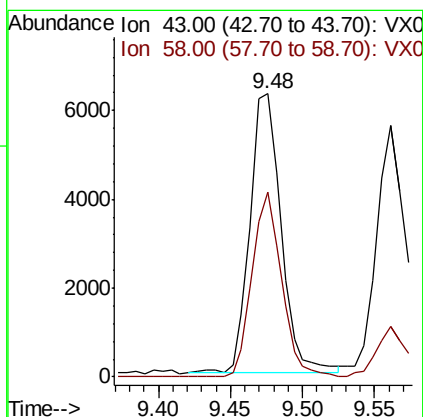
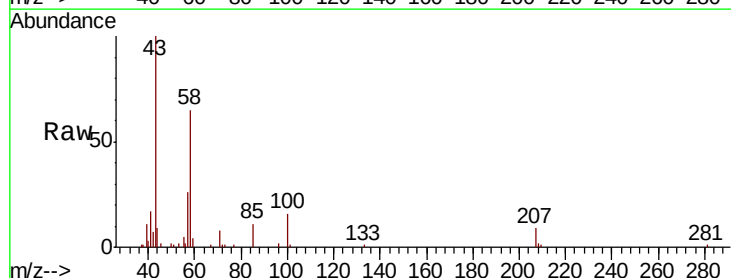
Acq: 20 May 2020 16:00

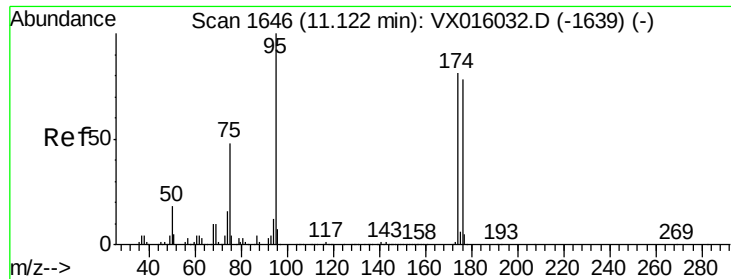
Tgt Ion: 43 Resp: 9316

Ion Ratio Lower Upper

43 100

58 63.0 28.6 85.9





#62

4-Bromofluorobenzene

Concen: 53.960 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016362.D

Acq: 20 May 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

S32-0691

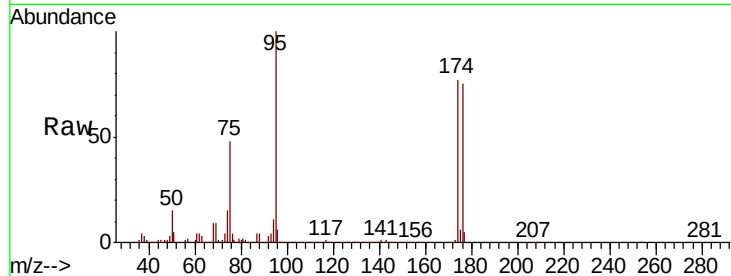
Tot Ion: 95 Resp: 207779

Ion Ratio Lower Upper

95 100

174 80.0 0.0 159.4

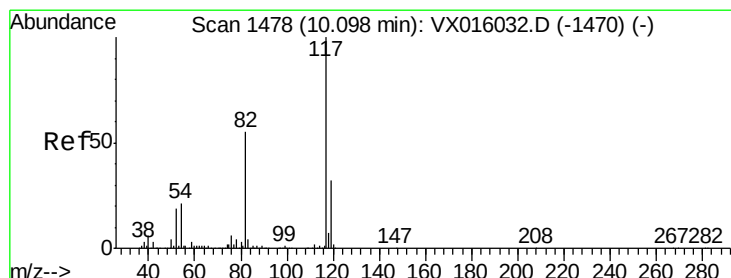
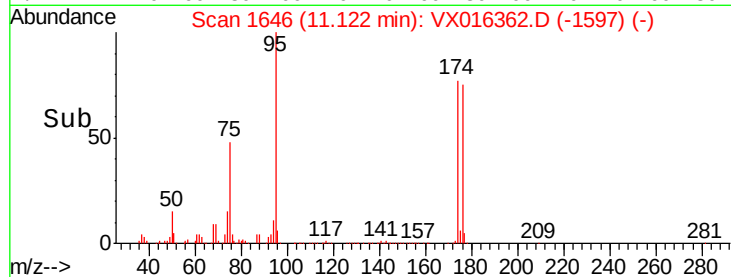
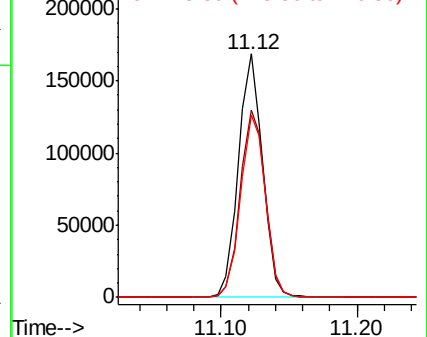
176 77.3 0.0 157.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016362.D

Acq: 20 May 2020 16:00

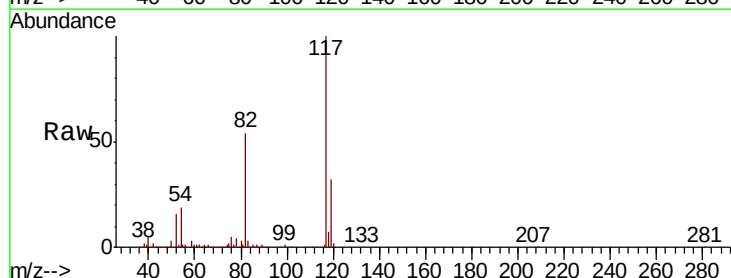
Tgt Ion: 117 Resp: 411176

Ion Ratio Lower Upper

117 100

82 53.9 44.4 66.6

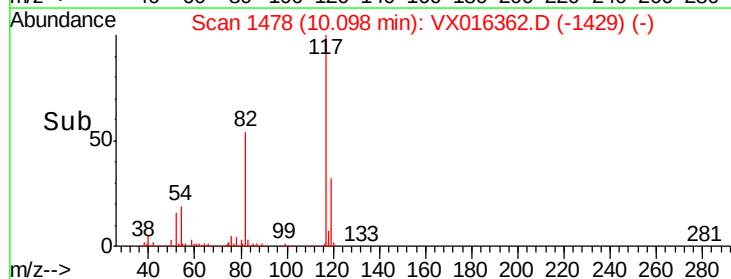
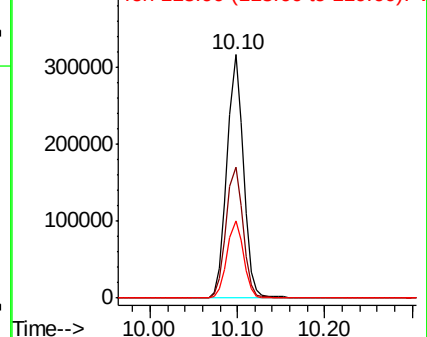
119 31.8 25.5 38.3

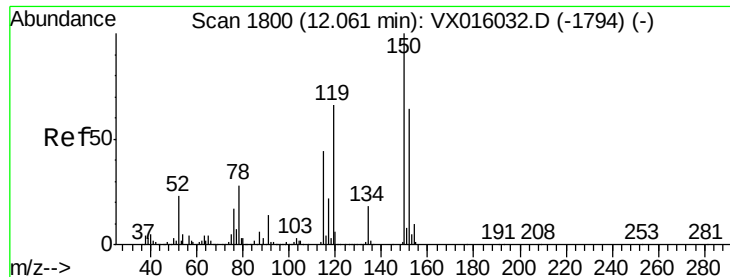


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016362.D

Acq: 20 May 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

S32-0691

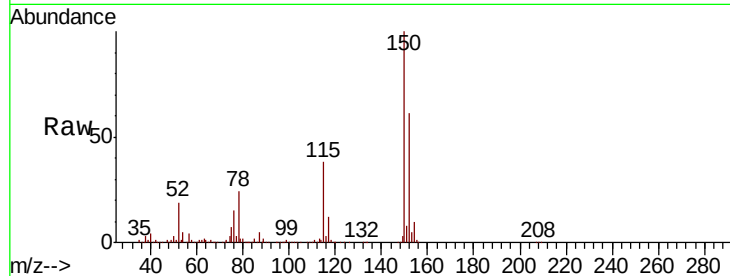
Tot Ion:152 Resp: 203981

Ion Ratio Lower Upper

152 100

115 58.9 41.3 124.1

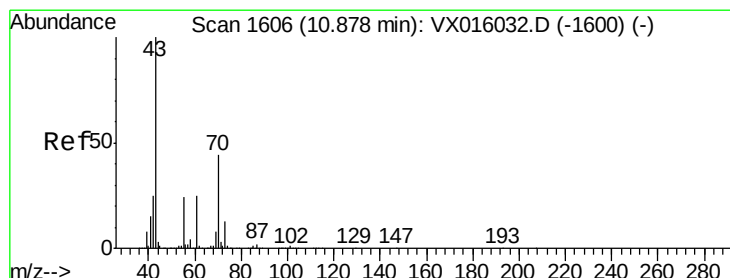
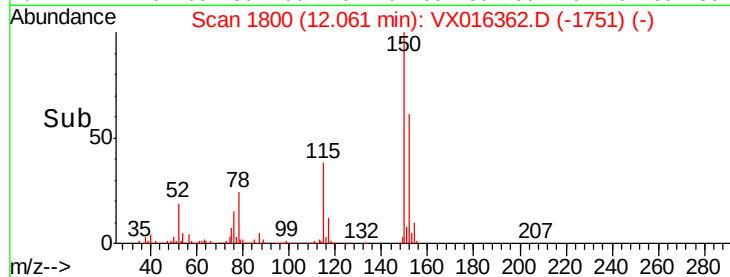
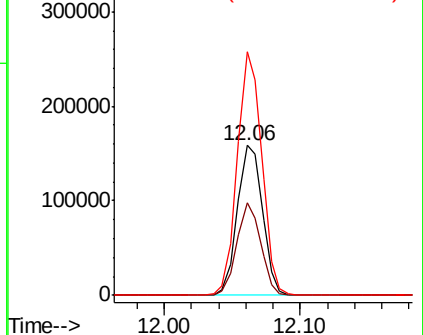
150 158.0 0.0 352.2



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



#74

N-ethyl acetate

Concen: 0.221 ug/l

RT: 10.91 min Scan# 1612

Delta R.T. 0.04 min

Lab File: VX016362.D

Acq: 20 May 2020 16:00

Tgt Ion: 43 Resp: 1528

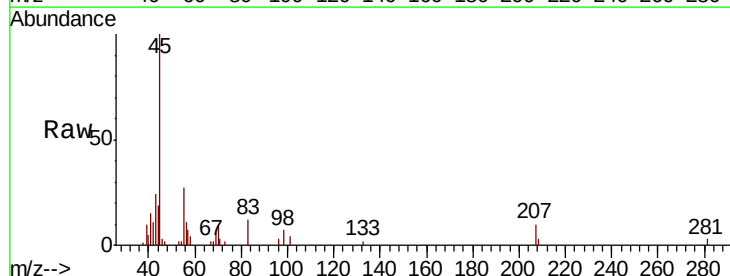
Ion Ratio Lower Upper

43 100

70 29.1 36.5 54.7#

55 143.8 19.7 29.5#

61 0.0 20.9 31.3#

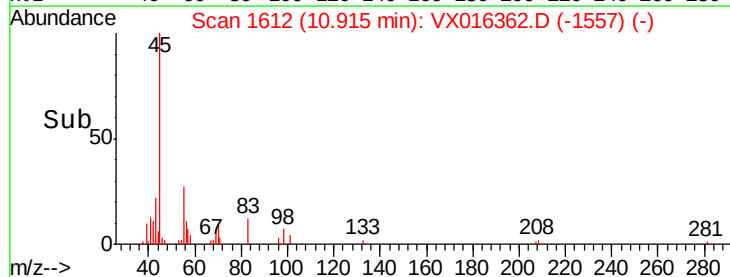
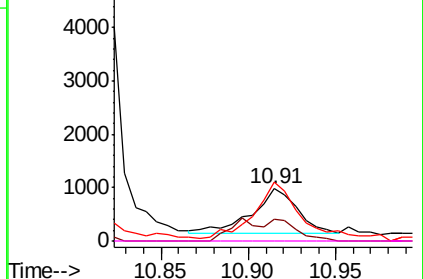


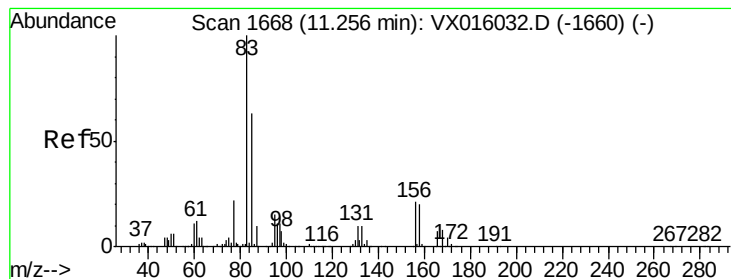
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 2.057 ug/l

RT: 11.38 min Scan# 1688

Delta R.T. 0.12 min

Lab File: VX016362.D

Acq: 20 May 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

S32-0691

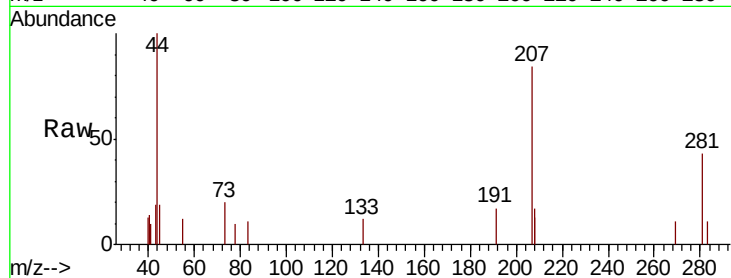
Tot Ion: 83 Resp: 22

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

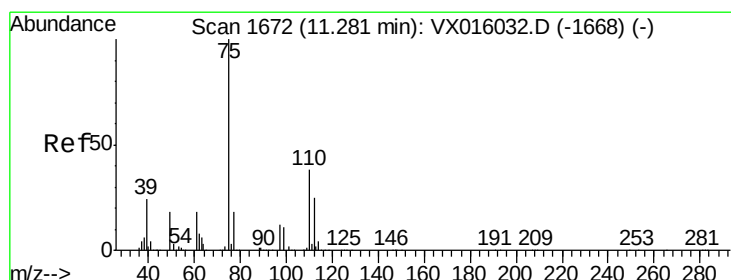
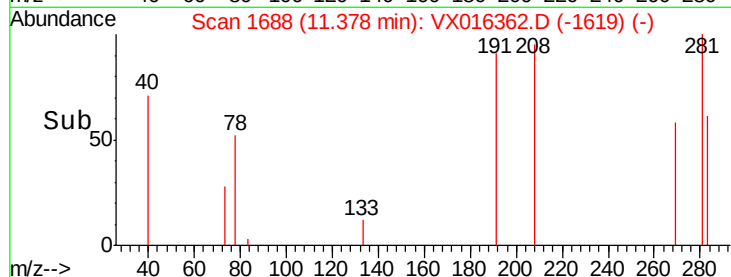
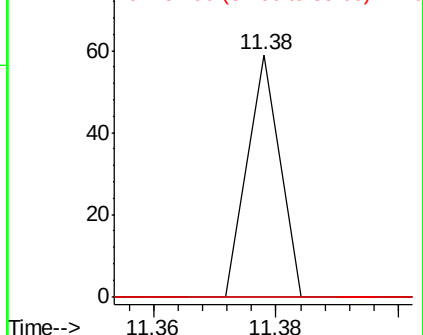
85 0.0 32.0 96.0#



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: 21.189 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016362.D

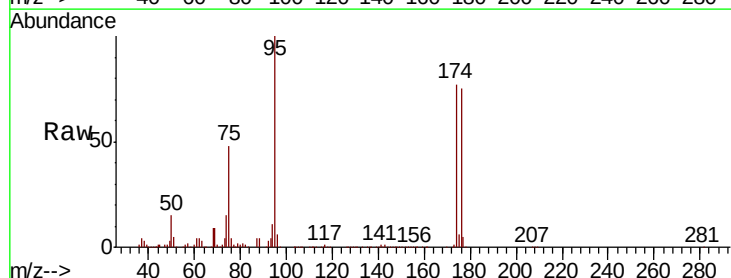
Acq: 20 May 2020 16:00

Tgt Ion: 75 Resp: 98078

Ion Ratio Lower Upper

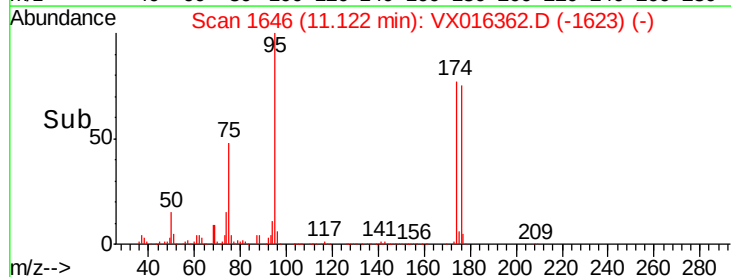
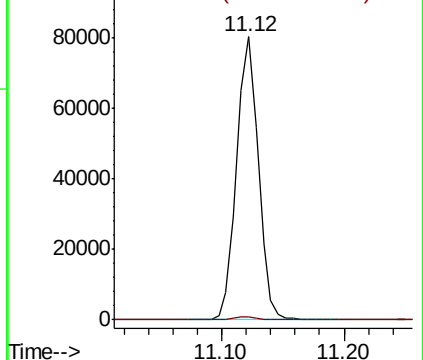
75 100

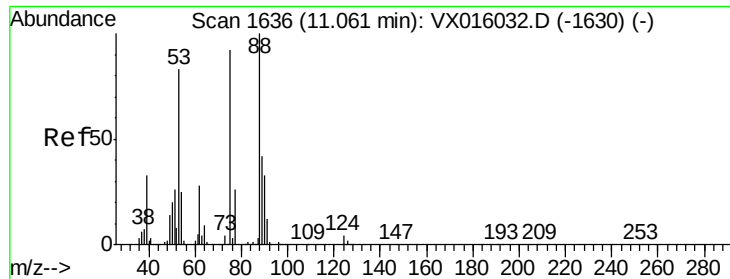
77 1.2 21.2 63.6#



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: 50.494 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016362.D

Acq: 20 May 2020 16:00

Instrument :

MSVOA_X

ClientSampleId :

S32-0691

Tot Ion: 75 Resp: 98078

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

89 0.0 36.7 55.1#

