

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051520\
 Data File : VX016281.D
 Acq On : 15 May 2020 15:25
 Operator : JC/SP
 Sample : L2649-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0681

Quant Time: May 16 06:43:40 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	235147	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	392050	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	387663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	196162	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	143789	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	
35) Dibromofluoromethane	5.47	113	117470	47.29	ug/l	0.00
Spiked Amount			Recovery	=	94.58%	
50) Toluene-d8	8.70	98	481856	50.35	ug/l	0.00
Spiked Amount			Recovery	=	100.70%	
62) 4-Bromofluorobenzene	11.12	95	194650	53.47	ug/l	0.00
Spiked Amount			Recovery	=	106.94%	

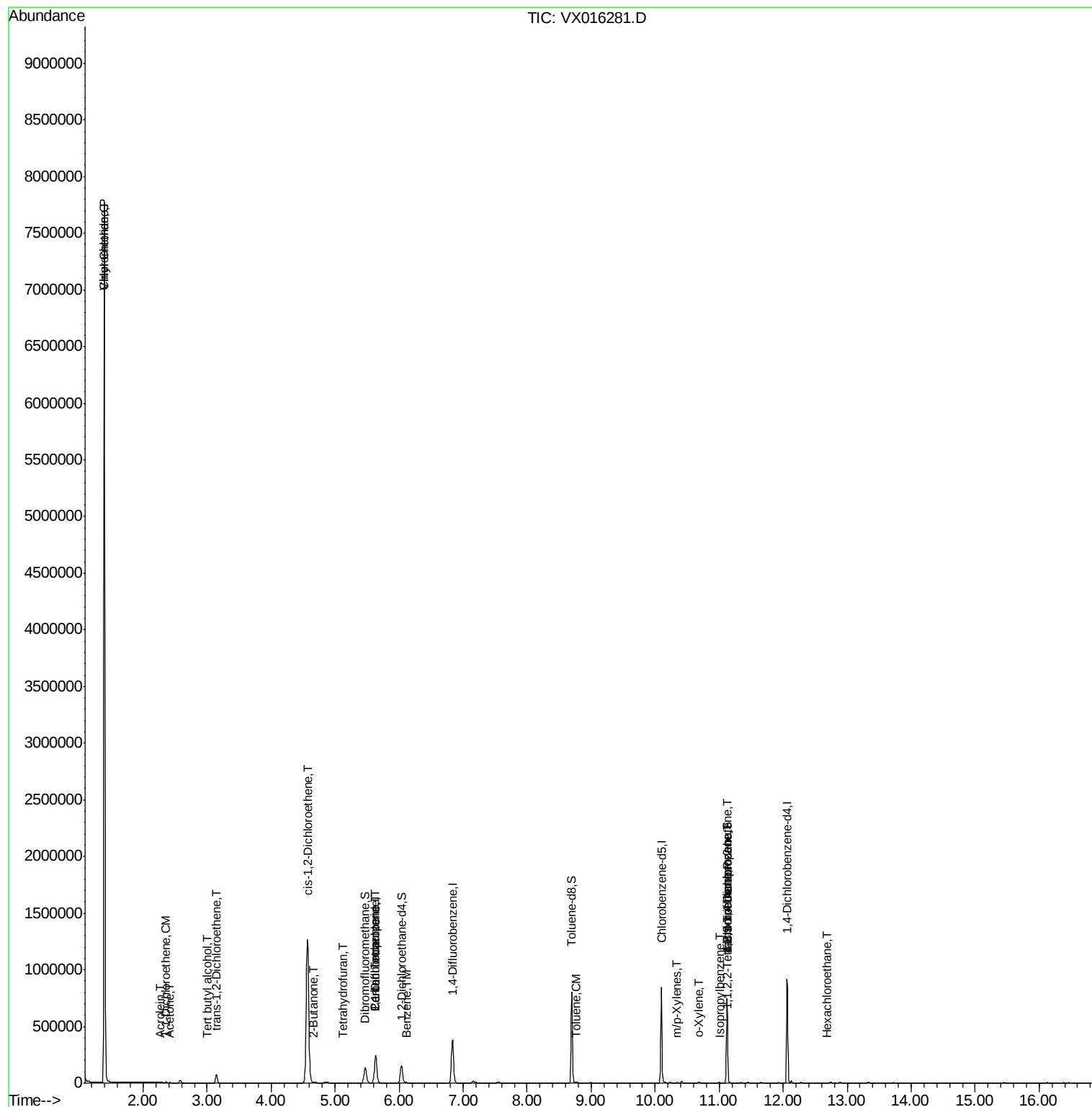
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.39	50	26409	9.136	ug/l #	44
4) Vinyl Chloride	1.39	62	4563860	1479.908	ug/l	95
11) Tert butyl alcohol	3.01	59	1316	1.682	ug/l #	93
12) 1,1-Dichloroethene	2.36	96	3878	1.586	ug/l	98
13) Acrolein	2.27	56	548	1.119	ug/l #	61
16) Acetone	2.42	43	2563	1.856	ug/l	98
21) trans-1,2-Dichloroethene	3.14	96	31821	11.682	ug/l	97
25) 2-Butanone	4.66	43	927	0.417	ug/l	93
27) cis-1,2-Dichloroethene	4.57	96	830913	279.023	ug/l	88
29) Tetrahydrofuran	5.12	42	858	0.582	ug/l #	77
36) 1,1-Dichloropropene	5.63	75	17342	4.494	ug/l #	49
38) Carbon Tetrachloride	5.63	117	22906	5.840	ug/l #	14
40) Benzene	6.11	78	2631	0.233	ug/l #	87
52) Toluene	8.77	92	1488	0.211	ug/l	100
68) m/p-Xylenes	10.34	106	1190	0.219	ug/l	95
69) o-Xylene	10.68	106	1963	0.376	ug/l	100
73) Isopropylbenzene	11.01	105	3107	0.218	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.14	83	53	2.069	ug/l #	26
76) 1,2,3-Trichloropropane	11.12	75	94678	21.269	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	94678	50.687	ug/l #	13
90) Hexachloroethane	12.69	117	570	0.255	ug/l #	10

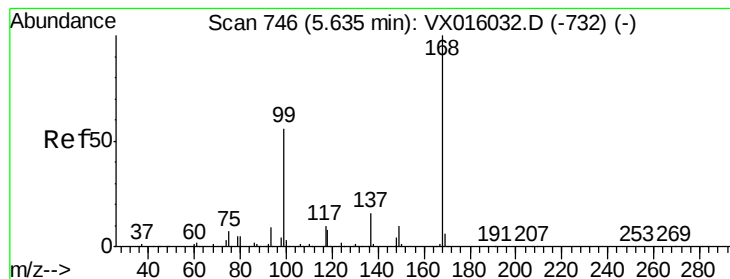
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX016281.D

Acq: 15 May 2020 15:25

Instrument :

MSVOA_X

ClientSampleId :

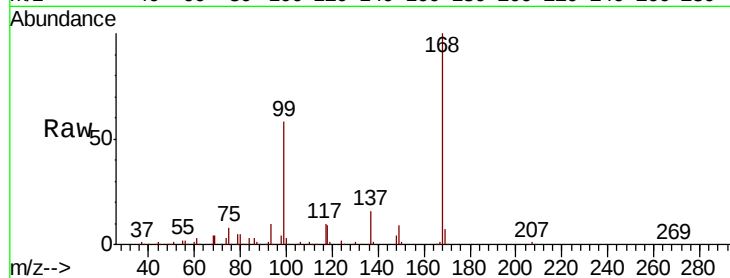
S32-0681

Tot Ion:168 Resp: 235147

Ion Ratio Lower Upper

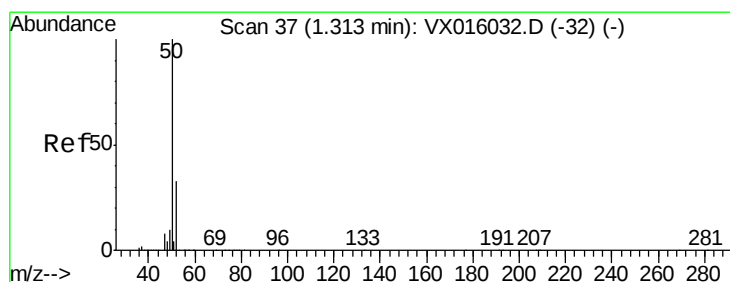
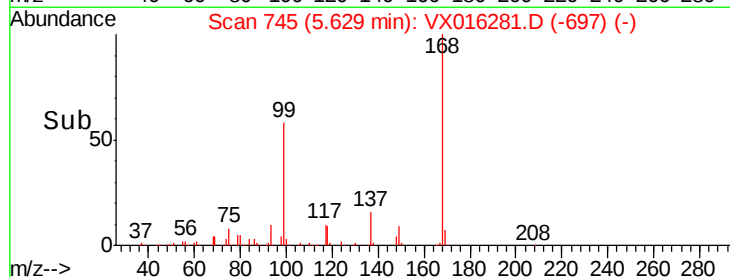
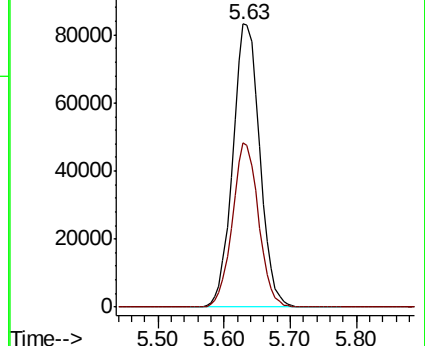
168 100

99 58.0 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 9.136 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.08 min

Lab File: VX016281.D

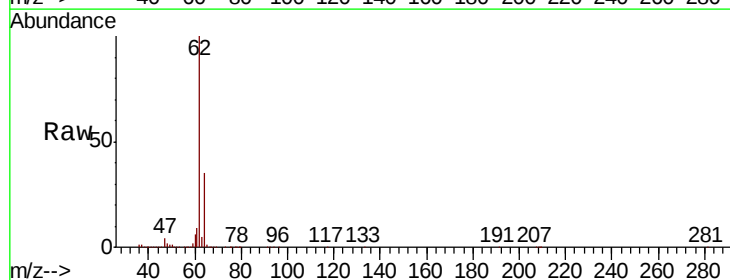
Acq: 15 May 2020 15:25

Tgt Ion: 50 Resp: 26409

Ion Ratio Lower Upper

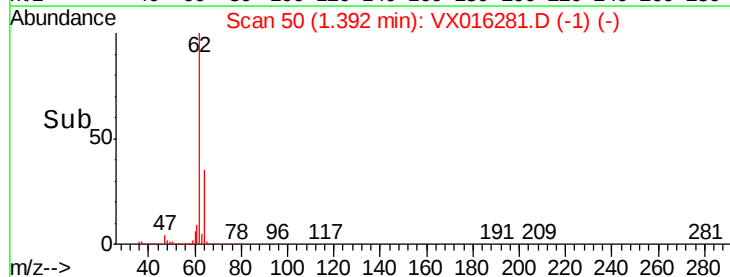
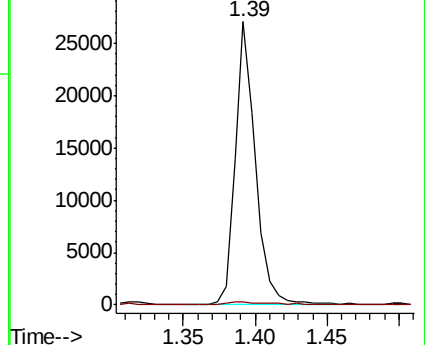
50 100

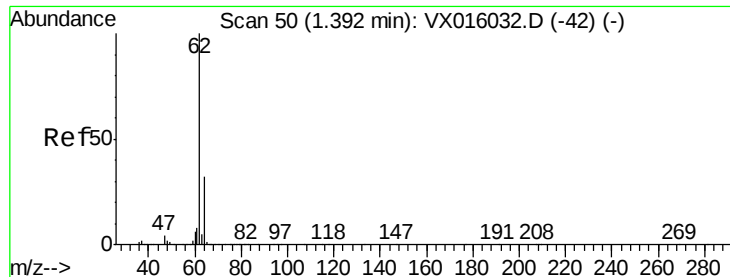
52 1.3 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#4

Vinyl Chloride

Concen: 1479.908 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016281.D

Acq: 15 May 2020 15:25

Instrument :

MSVOA_X

ClientSampled :

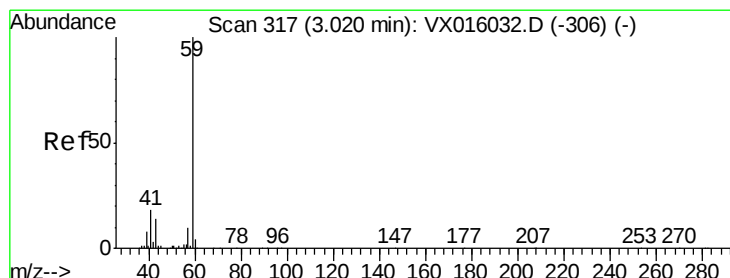
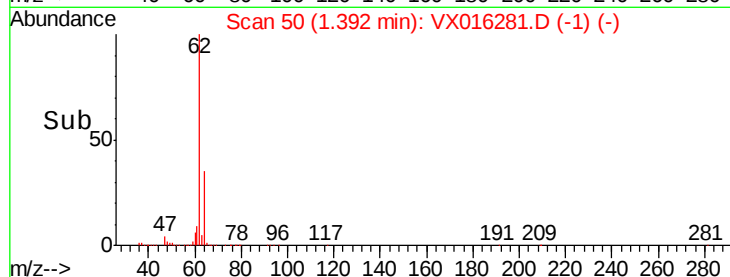
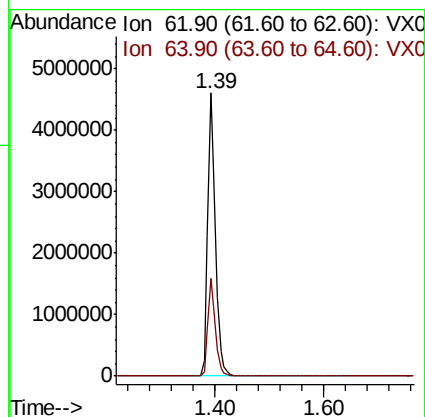
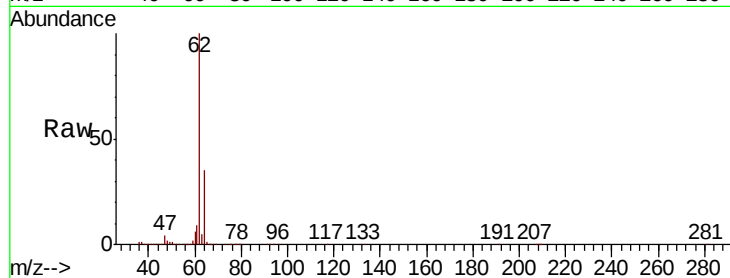
S32-0681

Tot Ion: 62 Resp: 4563860

Ion Ratio Lower Upper

62 100

64 34.7 25.7 38.5



#11

Tert butyl alcohol

Concen: 1.682 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX016281.D

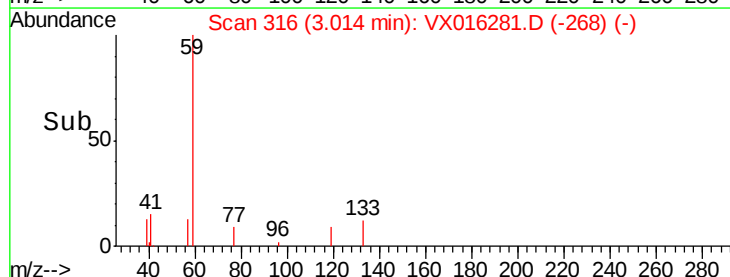
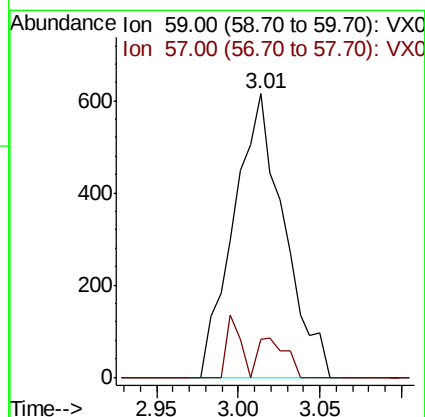
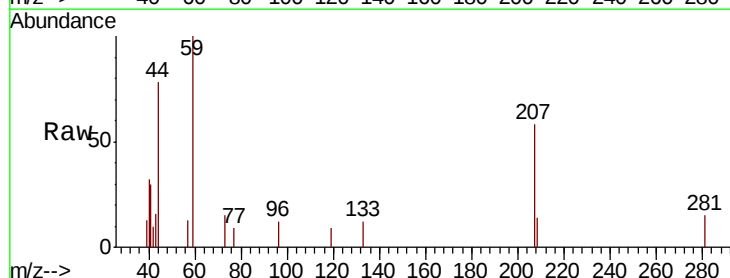
Acq: 15 May 2020 15:25

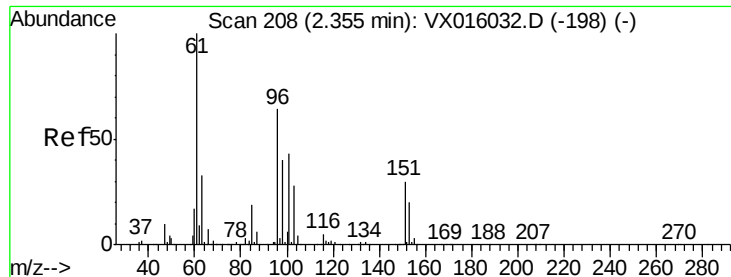
Tgt Ion: 59 Resp: 1316

Ion Ratio Lower Upper

59 100

57 7.8 8.2 12.4#





#12

1,1-Dichloroethene

Concen: 1.586 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX016281.D

Acq: 15 May 2020 15:25

Instrument :

MSVOA_X

ClientSampleId :

S32-0681

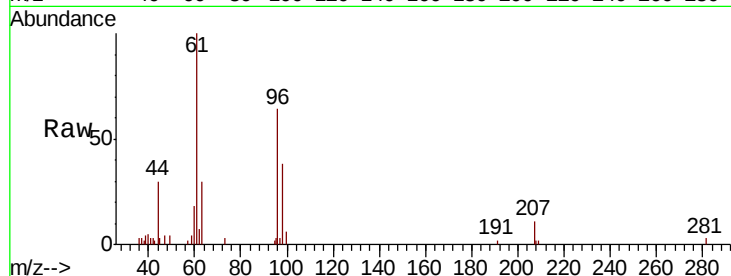
Tot Ion: 96 Resp: 3878

Ion Ratio Lower Upper

96 100

61 157.2 124.8 187.2

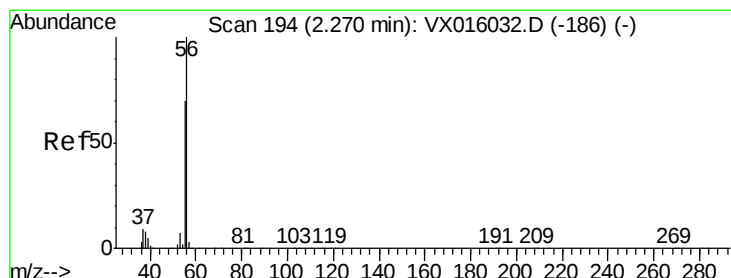
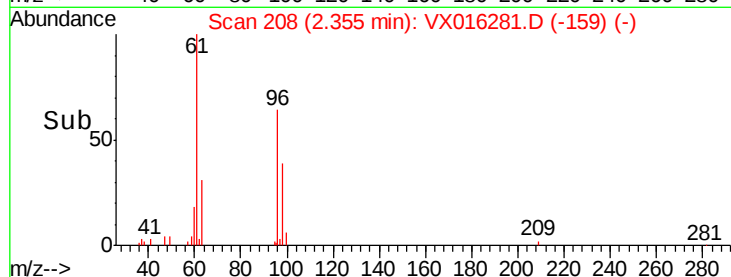
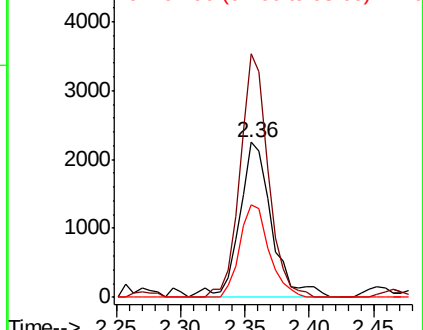
98 59.6 49.7 74.5



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



#13

Acrolein

Concen: 1.119 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016281.D

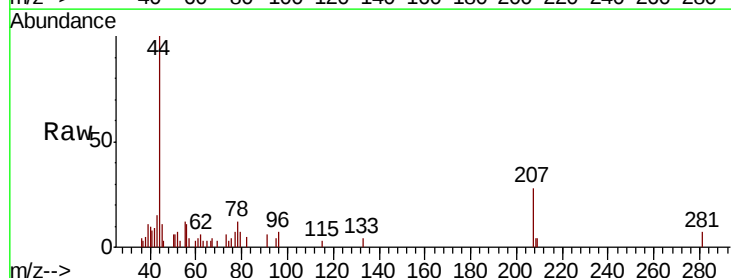
Acq: 15 May 2020 15:25

Tgt Ion: 56 Resp: 548

Ion Ratio Lower Upper

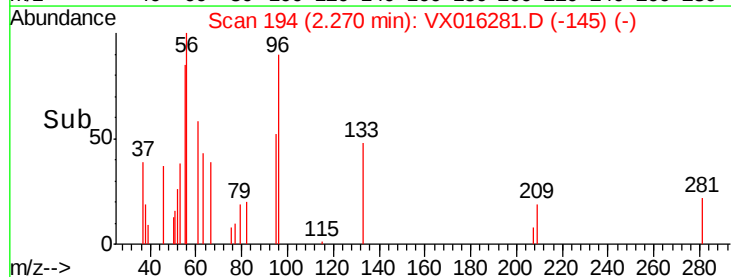
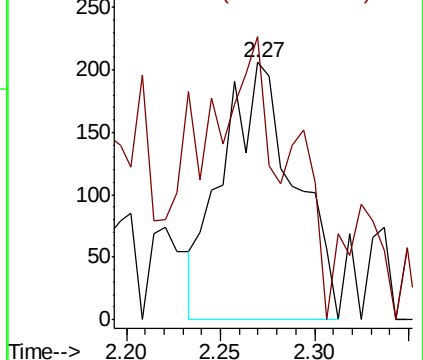
56 100

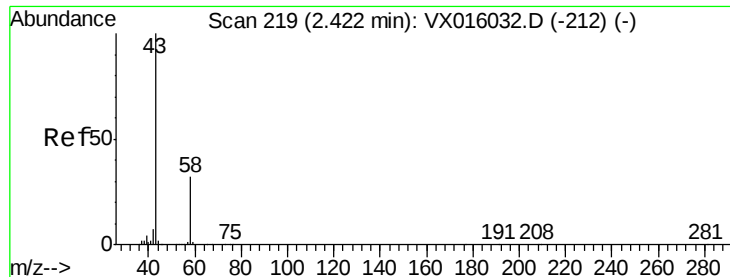
55 38.7 56.5 84.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.856 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016281.D

Acq: 15 May 2020 15:25

Instrument :

MSVOA_X

ClientSampleId :

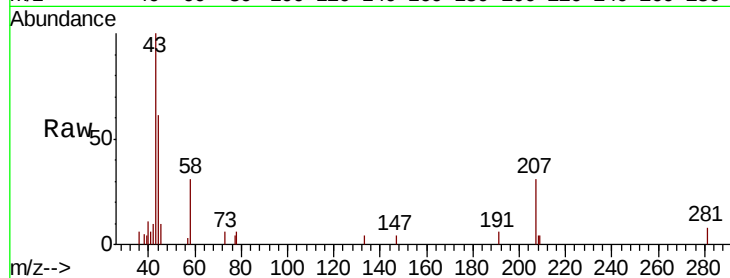
S32-0681

Tot Ion: 43 Resp: 2563

Ion Ratio Lower Upper

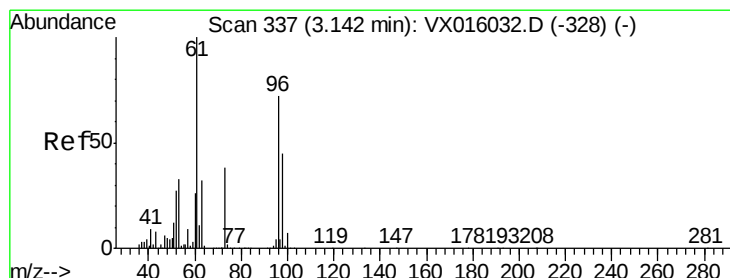
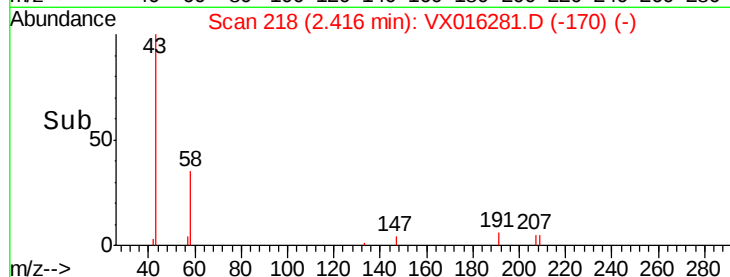
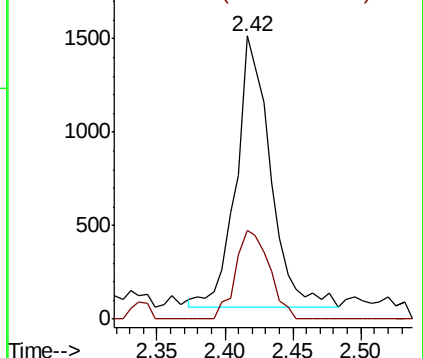
43 100

58 32.9 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#21

trans-1,2-Dichloroethene

Concen: 11.682 ug/l

RT: 3.14 min Scan# 337

Delta R.T. -0.00 min

Lab File: VX016281.D

Acq: 15 May 2020 15:25

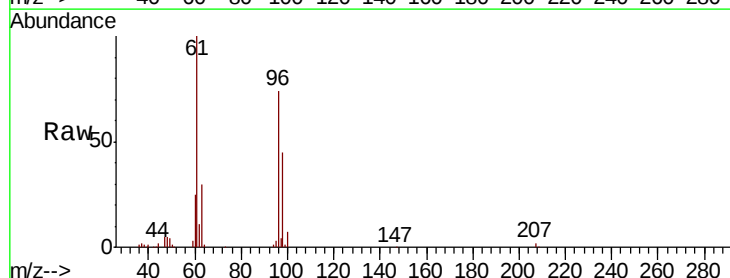
Tgt Ion: 96 Resp: 31821

Ion Ratio Lower Upper

96 100

61 135.2 111.2 166.8

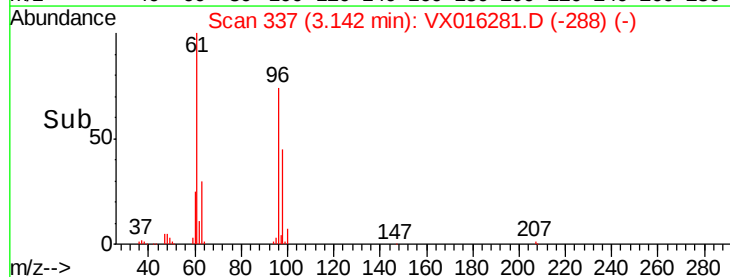
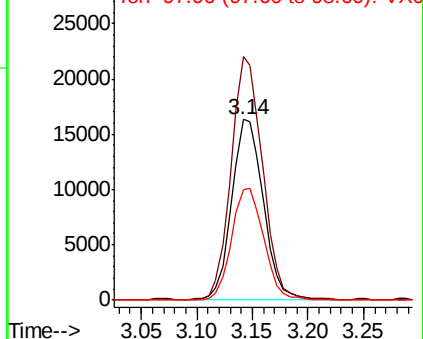
98 61.5 50.2 75.4

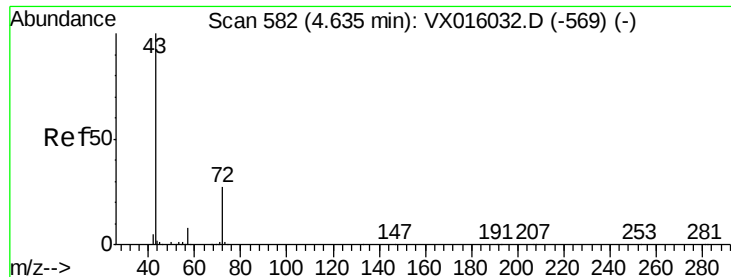


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#25

2-Butanone

Concen: 0.417 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX016281.D

Acq: 15 May 2020 15:25

Instrument :

MSVOA_X

ClientSampled :

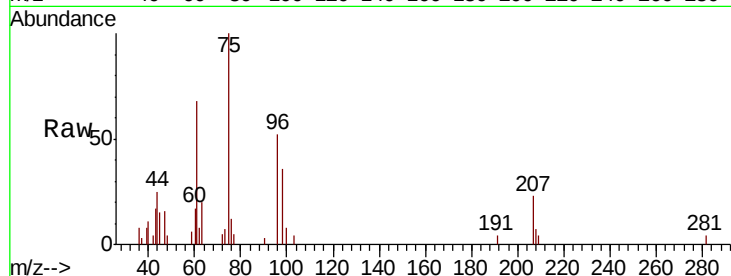
S32-0681

Tot Ion: 43 Resp: 927

Ion Ratio Lower Upper

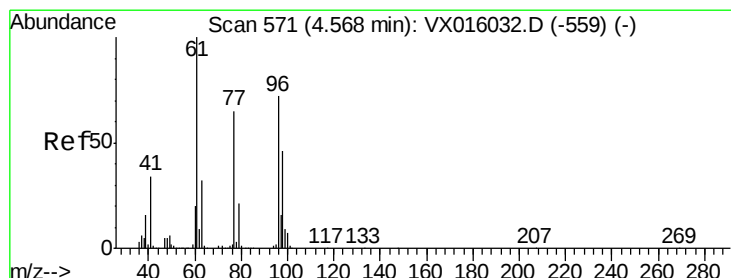
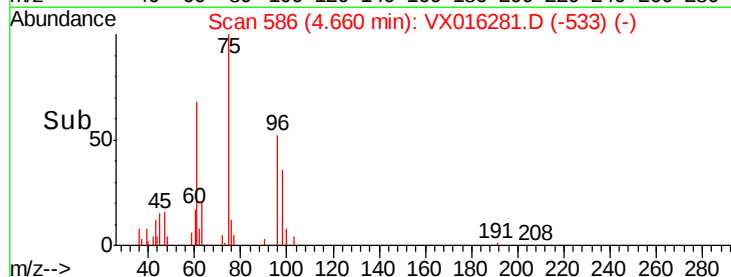
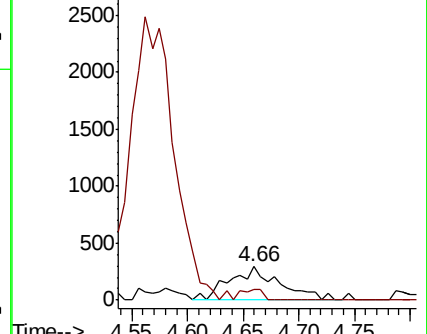
43 100

72 30.8 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: 279.023 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016281.D

Acq: 15 May 2020 15:25

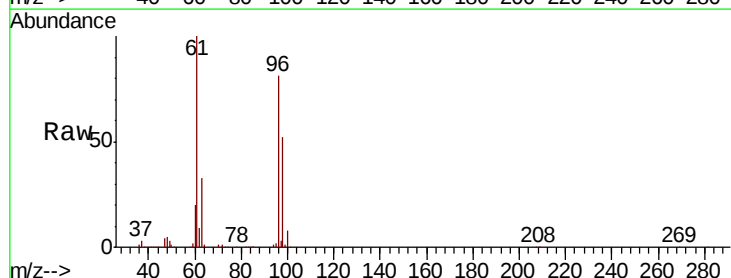
Tgt Ion: 96 Resp: 830913

Ion Ratio Lower Upper

96 100

61 126.7 0.0 296.2

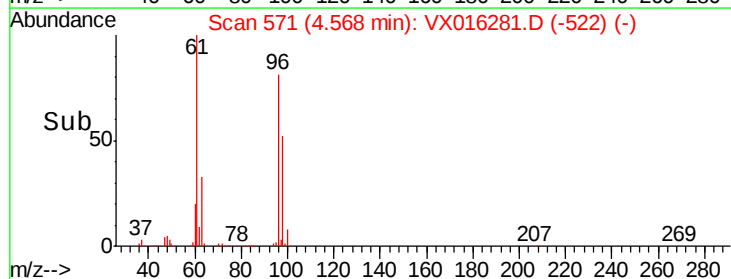
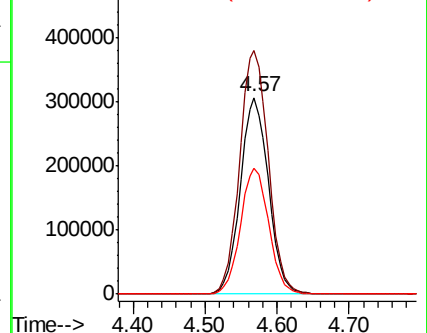
98 64.6 0.0 129.4

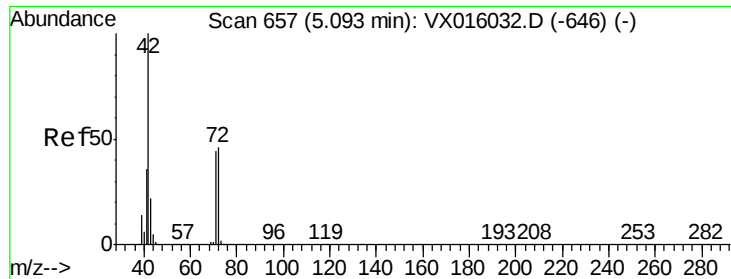


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

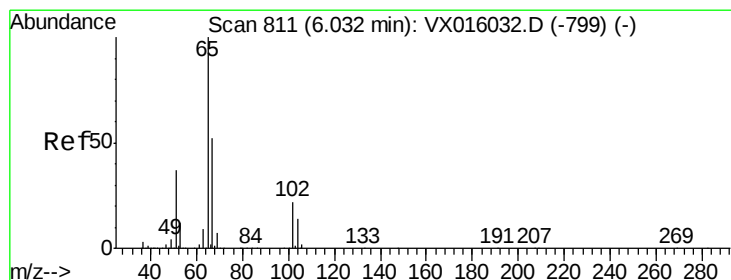
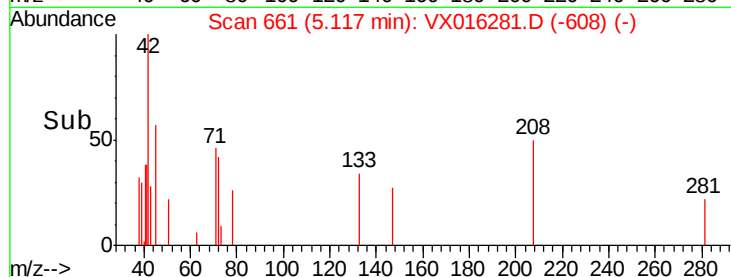
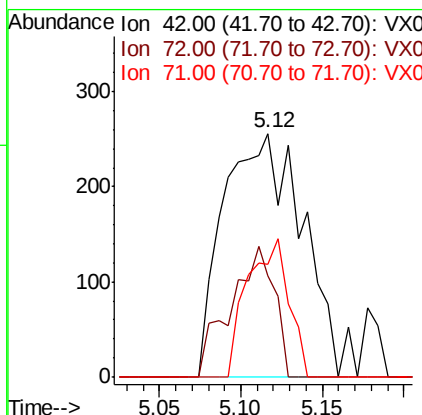
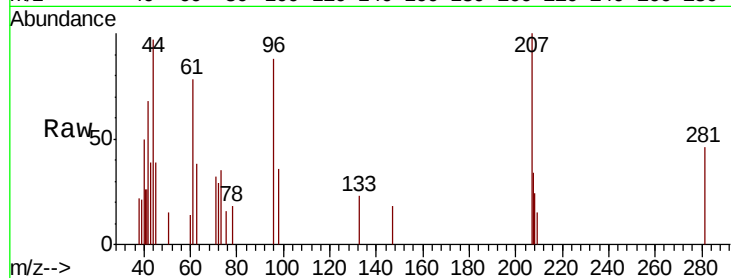




#29
Tetrahydrofuran
Concen: 0.582 ug/l
RT: 5.12 min Scan# 661
Delta R.T. 0.02 min
Lab File: VX016281.D
Acq: 15 May 2020 15:25

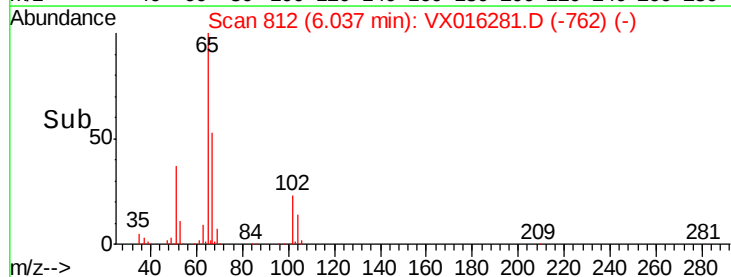
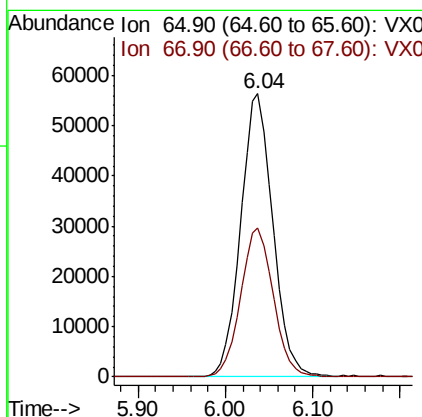
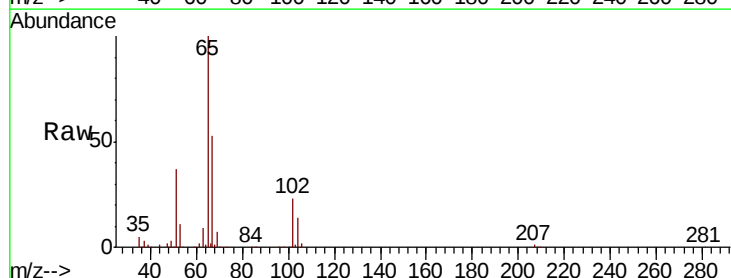
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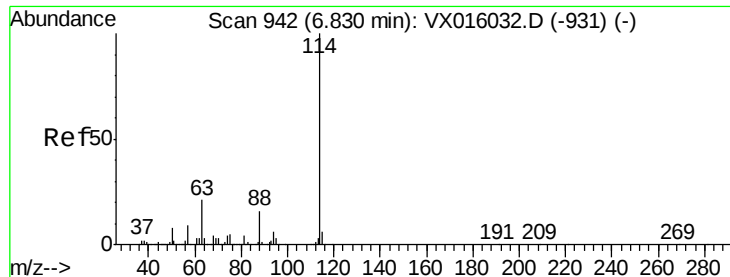
Tot Ion: 42 Resp: 858
Ion Ratio Lower Upper
42 100
72 30.0 37.1 55.7#
71 29.8 34.5 51.7#



#33
1,2-Dichloroethane-d4
Concen: 46.469 ug/l
RT: 6.04 min Scan# 812
Delta R.T. 0.01 min
Lab File: VX016281.D
Acq: 15 May 2020 15:25

Tgt Ion: 65 Resp: 143789
Ion Ratio Lower Upper
65 100
67 53.6 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: VX016281.D

Acq: 15 May 2020 15:25

Instrument :

MSVOA_X

ClientSampleId :

S32-0681

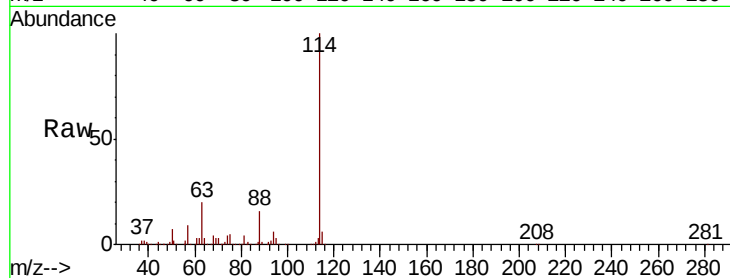
Tot Ion:114 Resp: 392050

Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.8

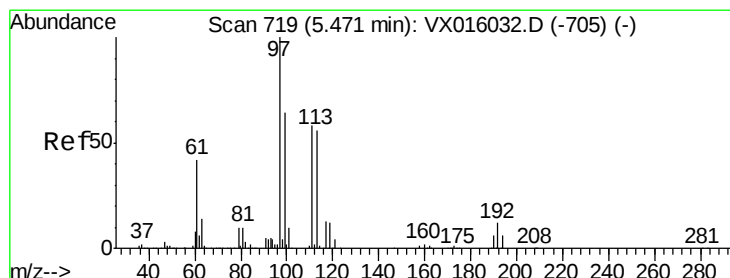
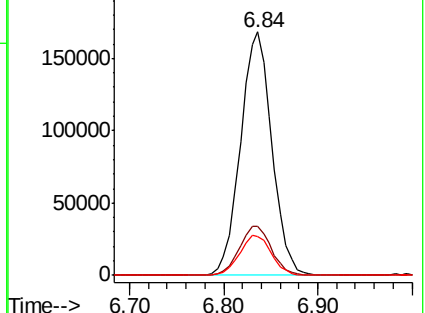
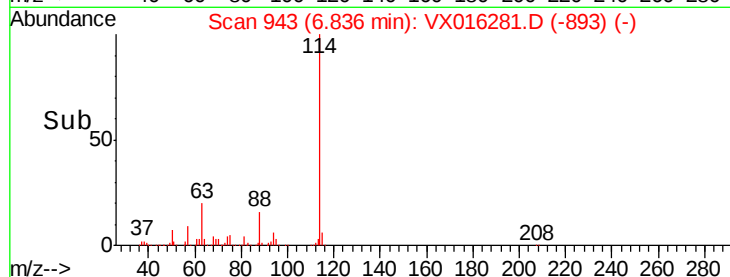
88 16.0 0.0 31.4



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: 47.294 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016281.D

Acq: 15 May 2020 15:25

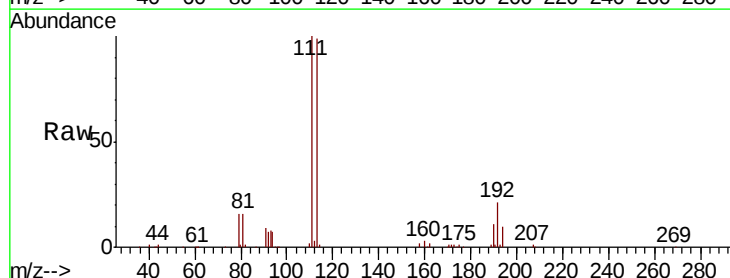
Tgt Ion:113 Resp: 117470

Ion Ratio Lower Upper

113 100

111 102.2 81.6 122.4

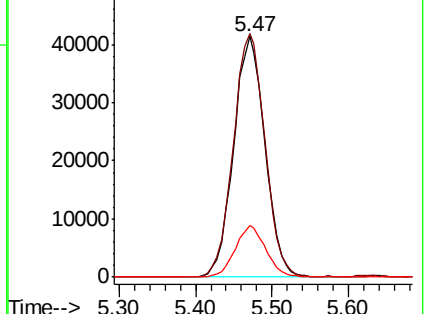
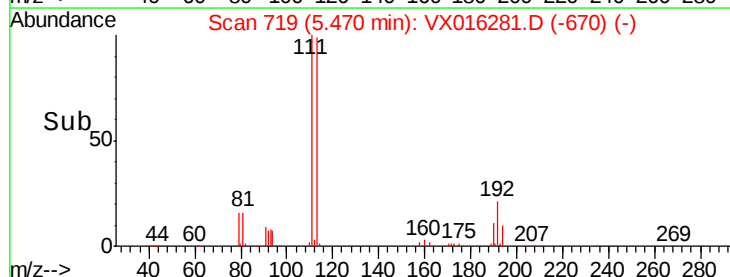
192 20.8 17.0 25.4

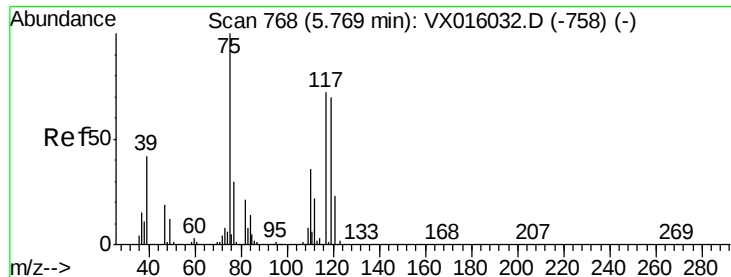


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.494 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016281.D

Acq: 15 May 2020 15:25

Instrument :

MSVOA_X

ClientSampleId :

S32-0681

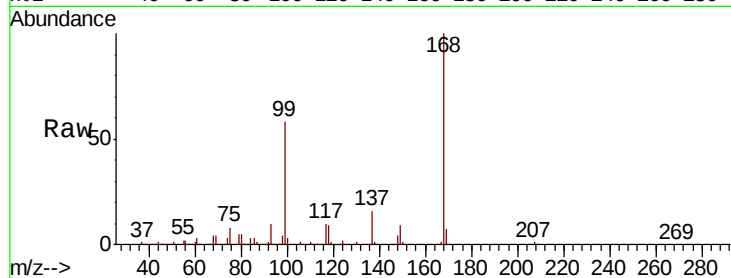
Tot Ion: 75 Resp: 17342

Ion Ratio Lower Upper

75 100

110 8.9 18.1 54.1#

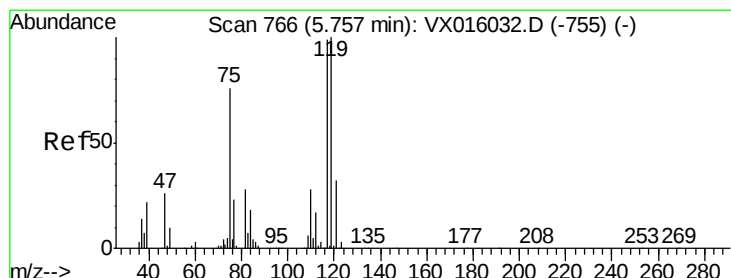
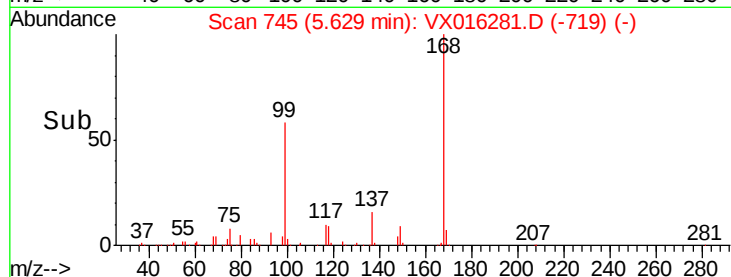
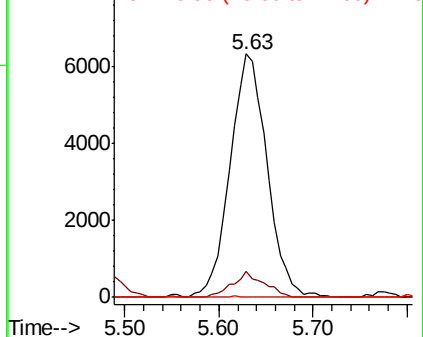
77 0.1 25.0 37.6#



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: 5.840 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016281.D

Acq: 15 May 2020 15:25

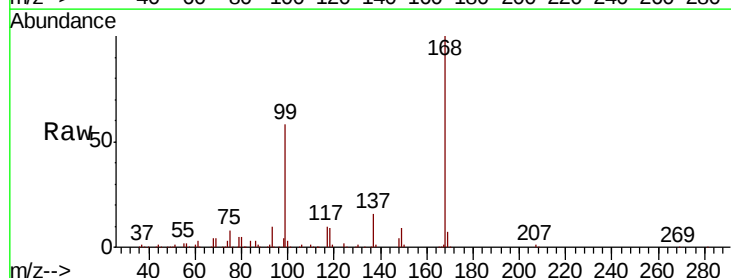
Tgt Ion: 117 Resp: 22906

Ion Ratio Lower Upper

117 100

119 5.1 80.3 120.5#

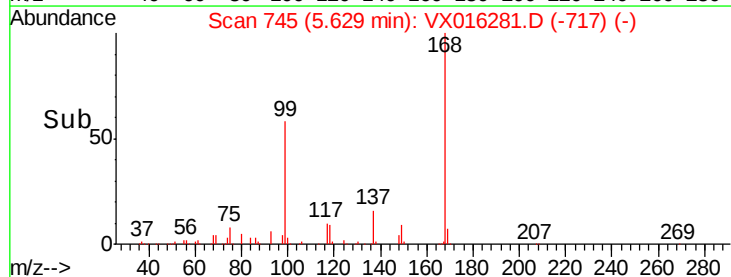
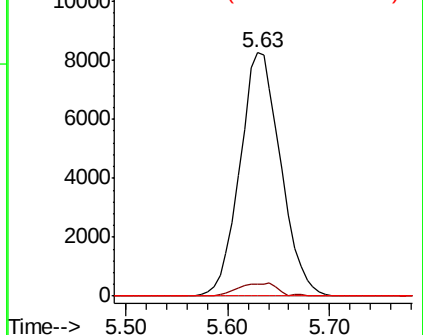
121 0.0 25.7 38.5#

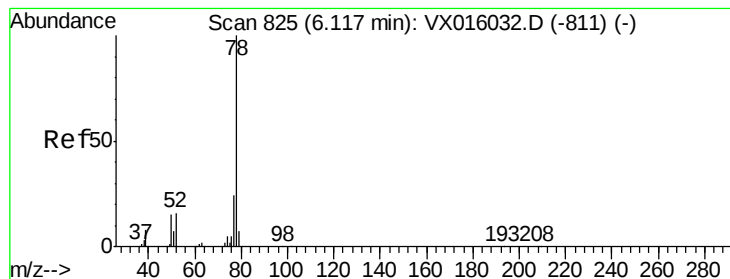


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 0.233 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.01 min

Lab File: VX016281.D

Acq: 15 May 2020 15:25

Instrument :

MSVOA_X

ClientSampleId :

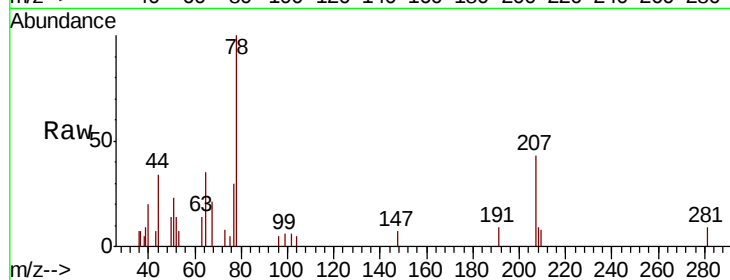
S32-0681

Tot Ion: 78 Resp: 2631

Ion Ratio Lower Upper

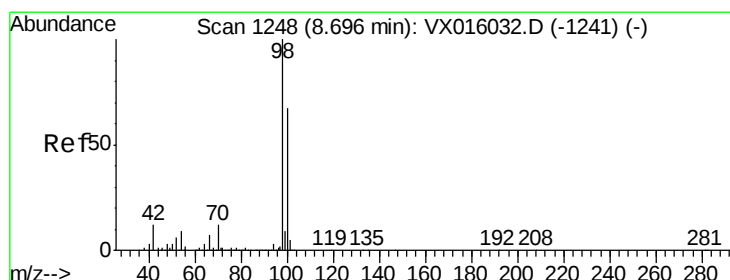
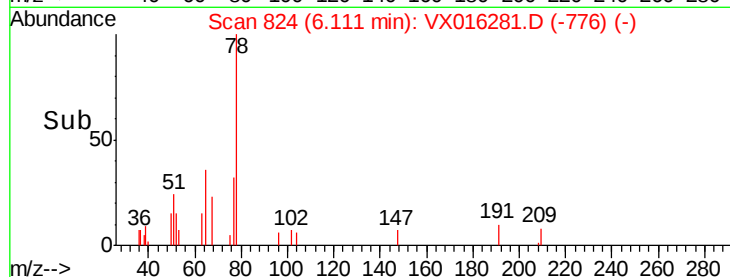
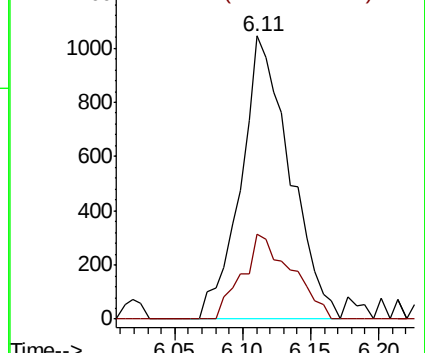
78 100

77 30.2 19.0 28.4#



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 50.349 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016281.D

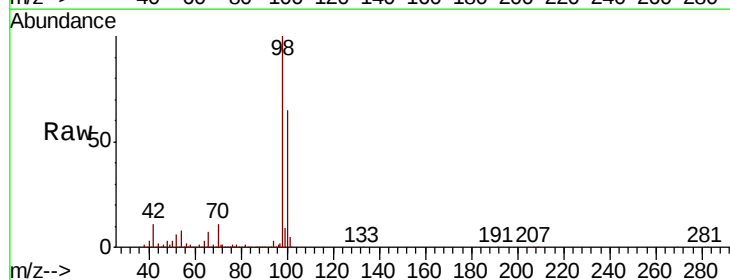
Acq: 15 May 2020 15:25

Tgt Ion: 98 Resp: 481856

Ion Ratio Lower Upper

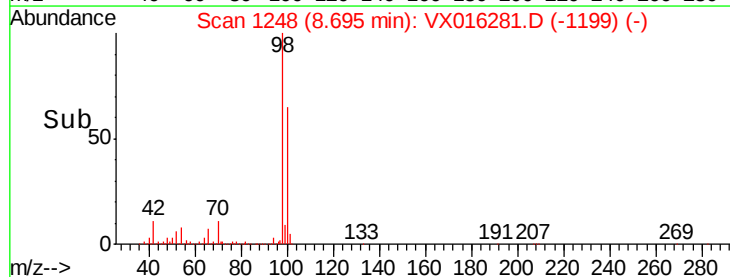
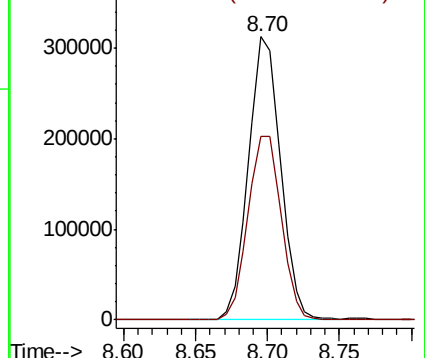
98 100

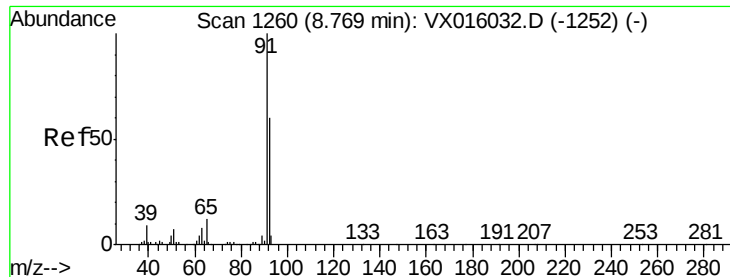
100 67.6 53.7 80.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 0.211 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX016281.D

Acq: 15 May 2020 15:25

Instrument :

MSVOA_X

ClientSampleId :

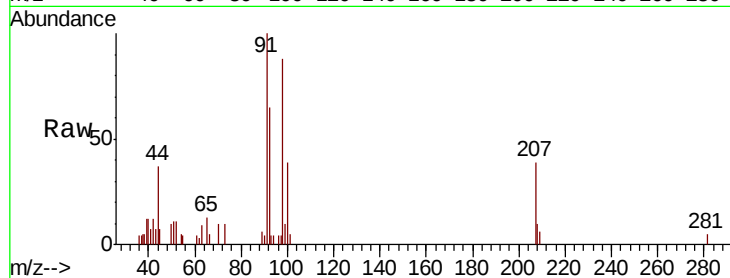
S32-0681

Tot Ion: 92 Resp: 1488

Ion Ratio Lower Upper

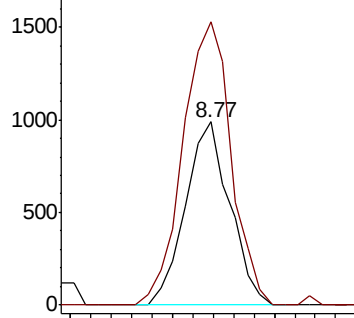
92 100

91 167.9 134.5 201.7

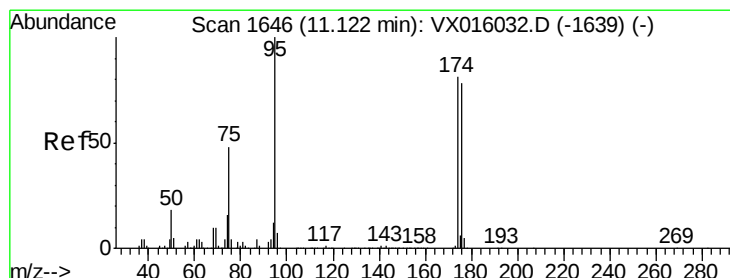
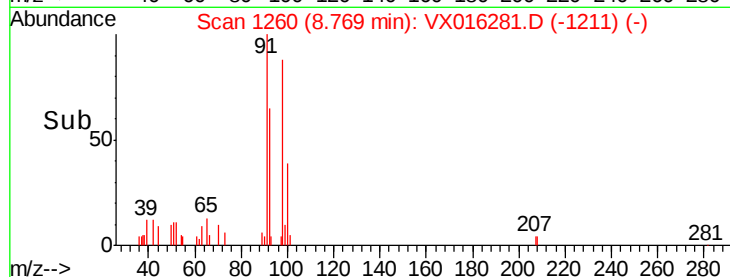


Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time-->



#62

4-Bromofluorobenzene

Concen: 53.474 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016281.D

Acq: 15 May 2020 15:25

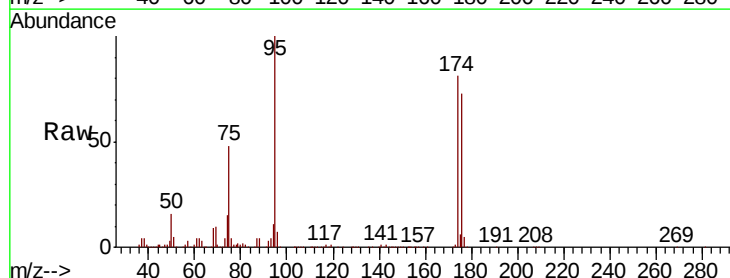
Tgt Ion: 95 Resp: 194650

Ion Ratio Lower Upper

95 100

174 81.3 0.0 159.4

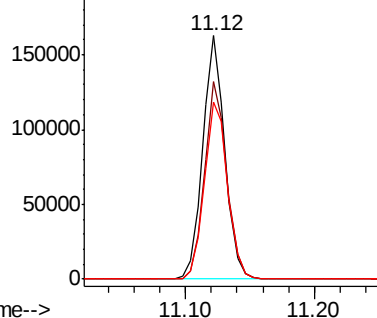
176 76.8 0.0 157.6



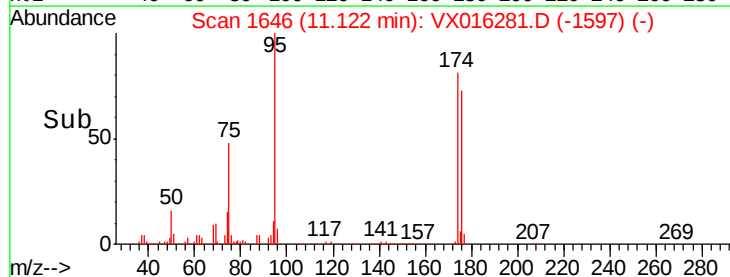
Abundance Ion 94.90 (94.60 to 95.60): VX0

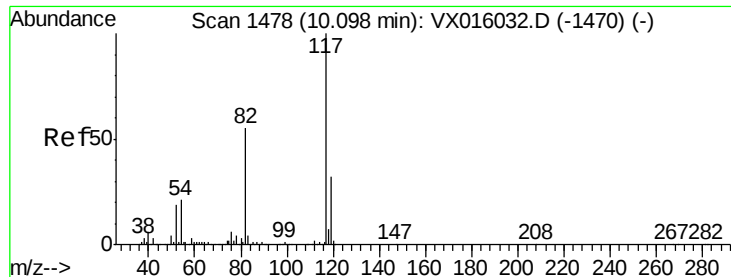
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

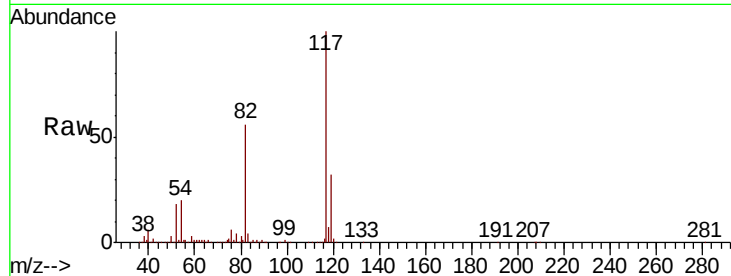




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016281.D
Acq: 15 May 2020 15:25

Instrument :
MSVOA_X
ClientSampleId :
S32-0681

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.4	66.6
119	32.0	25.5	38.3

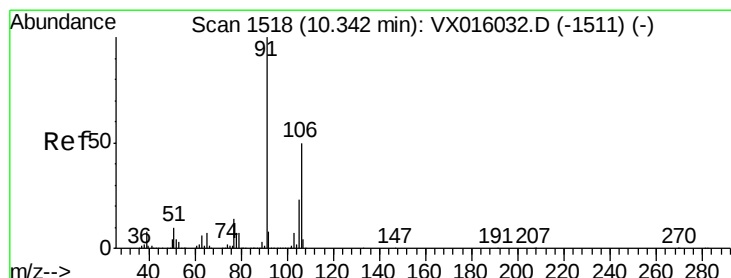
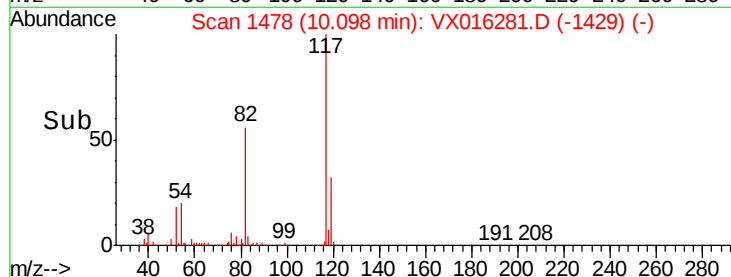
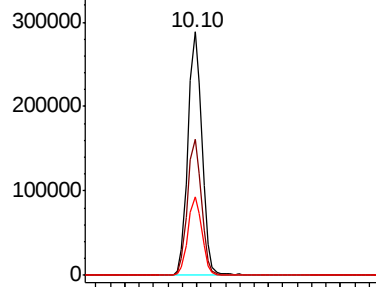


Abundance

Ion 116.90 (116.60 to 117.60): V

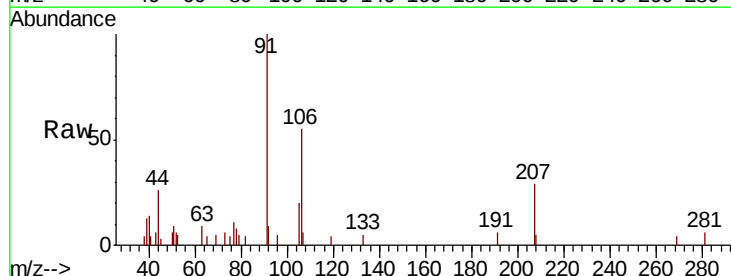
Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#68
m/p-Xylenes
Concen: 0.219 ug/l
RT: 10.34 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VX016281.D
Acq: 15 May 2020 15:25

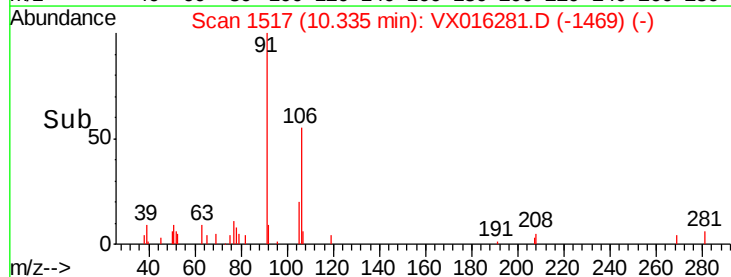
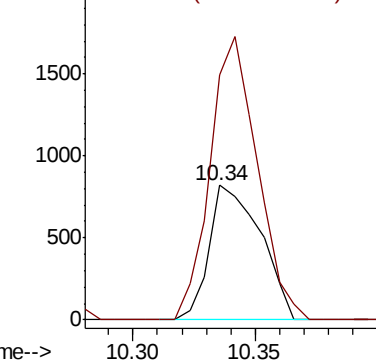
Tgt Ion	Ratio	Lower	Upper
106	100		
91	194.6	161.7	242.5

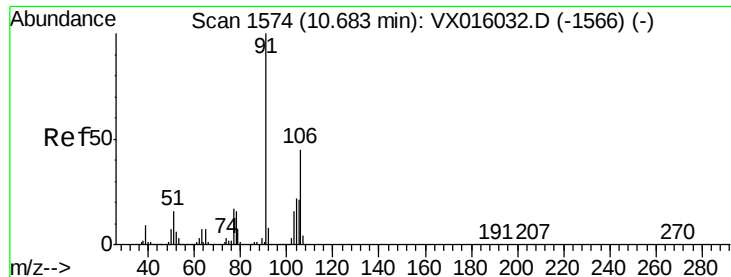


Abundance

Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

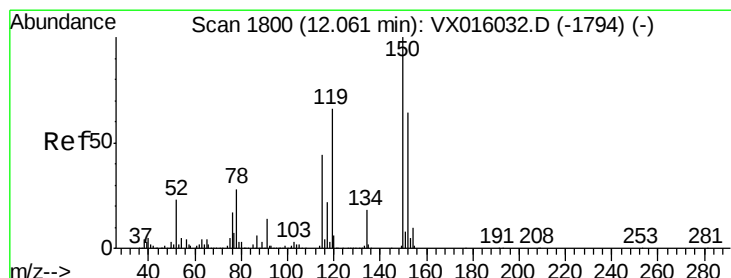
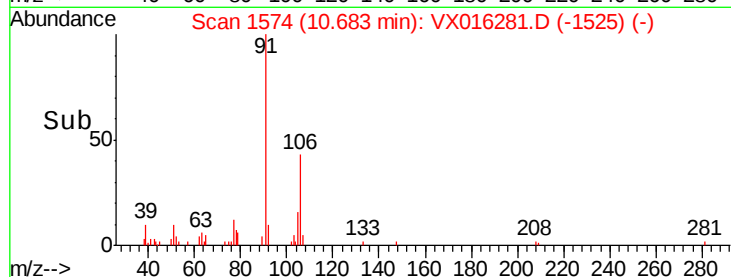
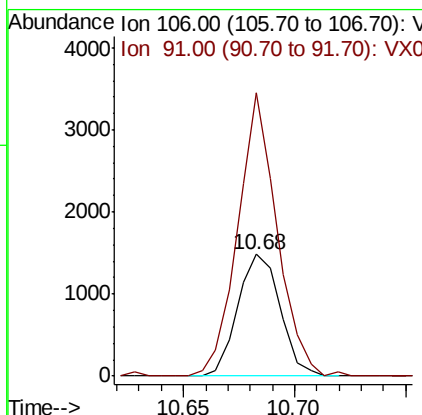
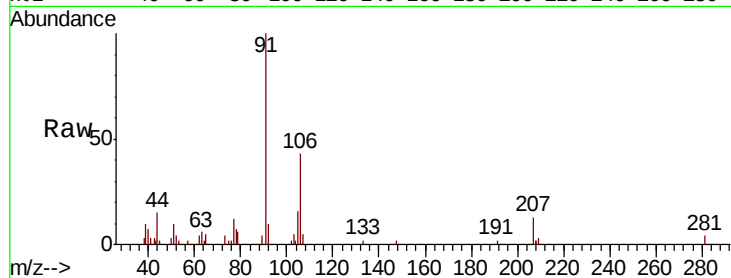




#69
o-Xylene
Concen: 0.376 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016281.D
Acq: 15 May 2020 15:25

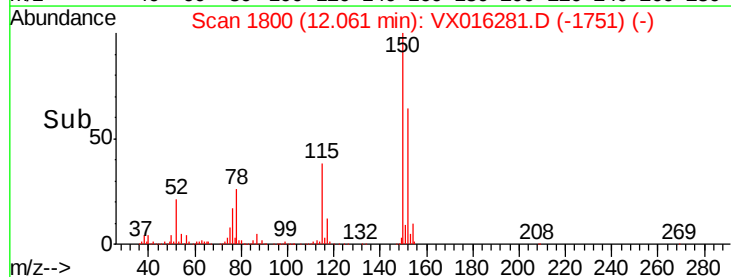
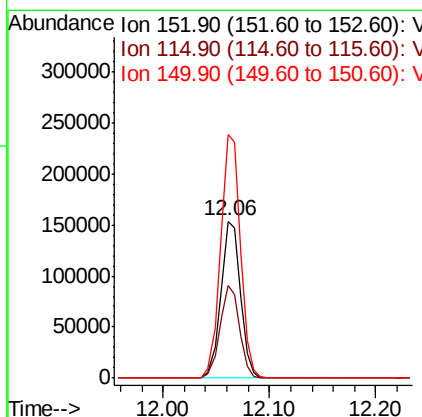
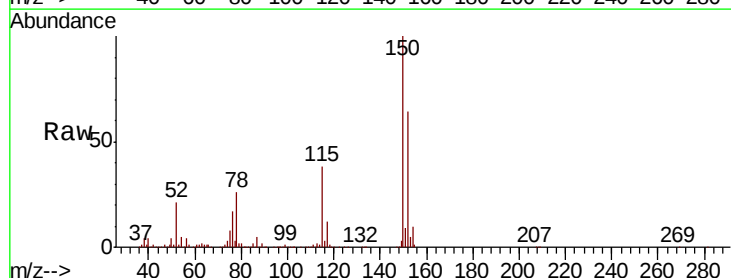
Instrument :
MSVOA_X
ClientSampled :
S32-0681

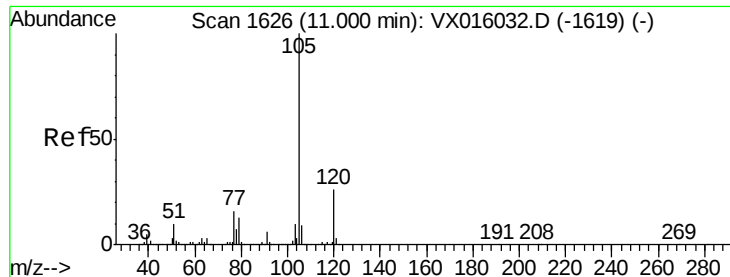
Tot Ion:106 Resp: 1963
Ion Ratio Lower Upper
106 100
91 215.7 107.5 322.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016281.D
Acq: 15 May 2020 15:25

Tgt Ion:152 Resp: 196162
Ion Ratio Lower Upper
152 100
115 58.7 41.3 124.1
150 157.5 0.0 352.2





#73

Isopropylbenzene

Concen: 0.218 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX016281.D

Acq: 15 May 2020 15:25

Instrument :

MSVOA_X

ClientSampled :

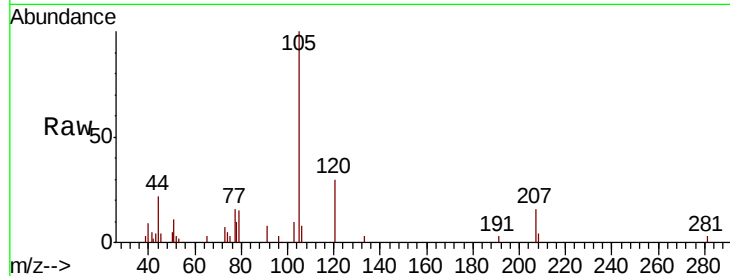
S32-0681

Tot Ion: 105 Resp: 3107

Ion Ratio Lower Upper

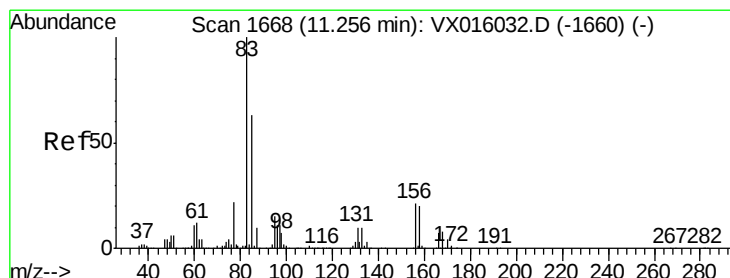
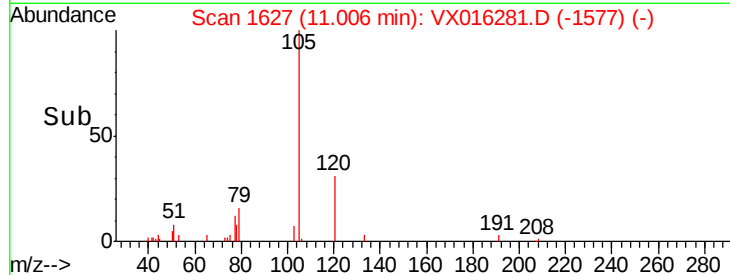
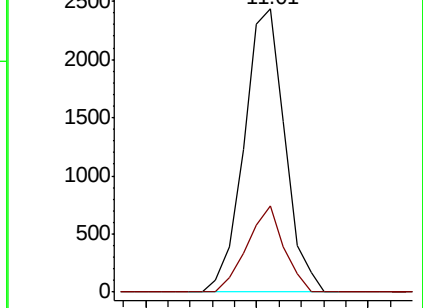
105 100

120 27.4 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

1,1,2,2-Tetrachloroethane

Concen: 2.069 ug/l

RT: 11.14 min Scan# 1649

Delta R.T. -0.12 min

Lab File: VX016281.D

Acq: 15 May 2020 15:25

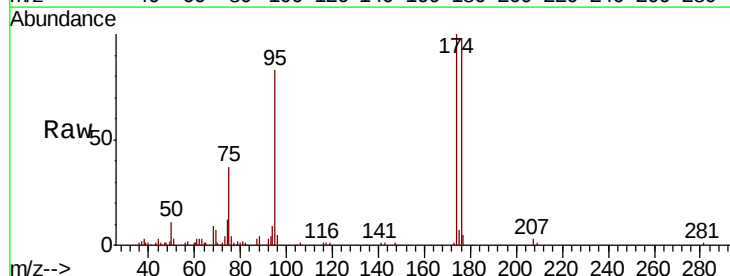
Tgt Ion: 83 Resp: 53

Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.4#

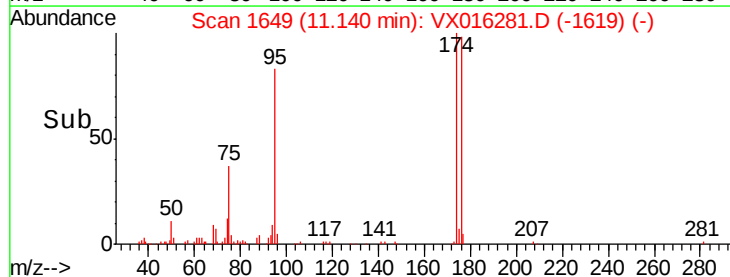
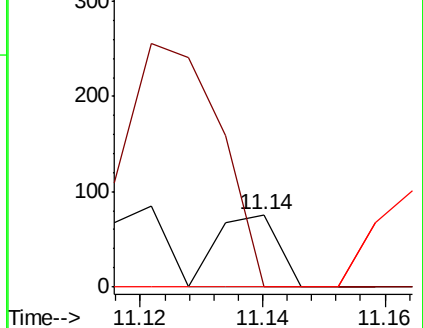
85 0.0 32.0 96.0#

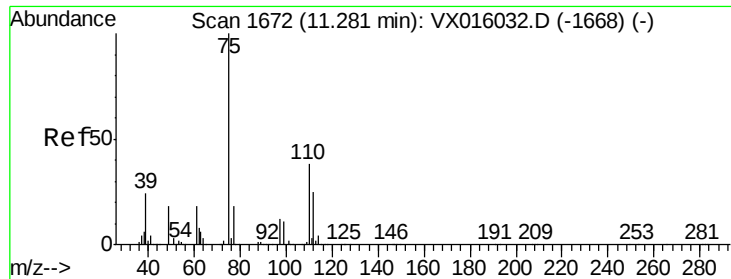


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0





#76

1,2,3-Trichloropropane

Concen: 21.269 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016281.D

Acq: 15 May 2020 15:25

Instrument :

MSVOA_X

ClientSampled :

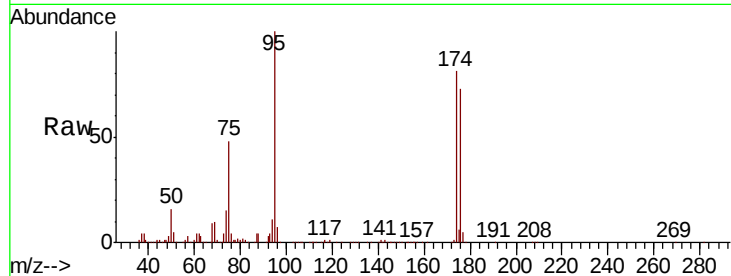
S32-0681

Tot Ion: 75 Resp: 94678

Ion Ratio Lower Upper

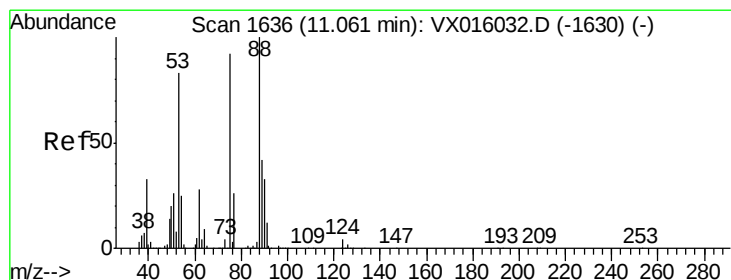
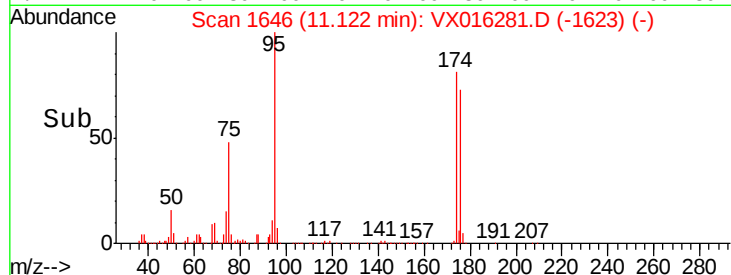
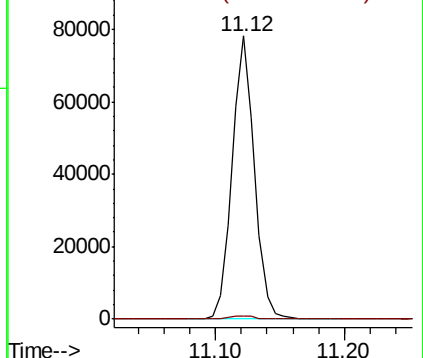
75 100

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: 50.687 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016281.D

Acq: 15 May 2020 15:25

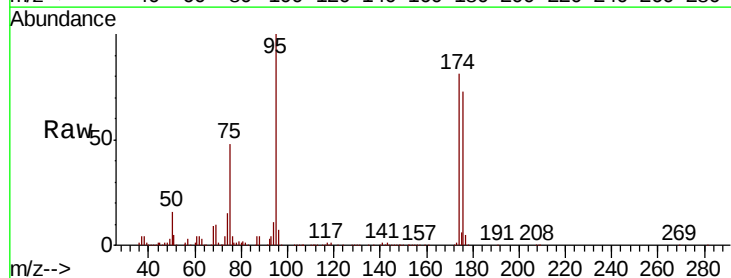
Tgt Ion: 75 Resp: 94678

Ion Ratio Lower Upper

75 100

53 0.0 73.1 109.7#

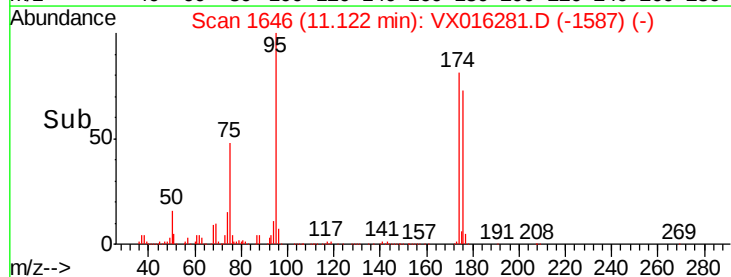
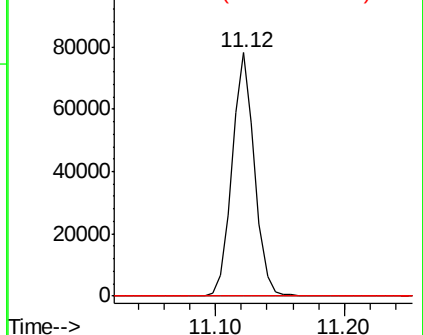
89 0.0 36.7 55.1#

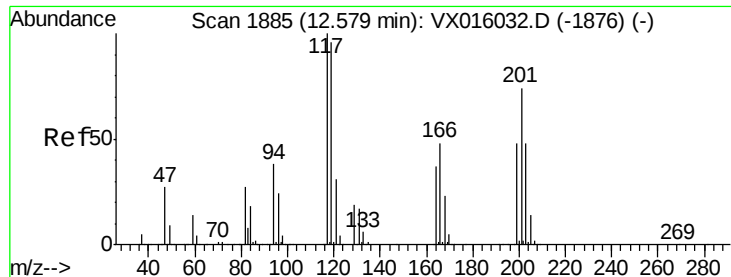


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#90

Hexachloroethane

Concen: 0.255 ug/l

RT: 12.69 min Scan# 1903

Delta R.T. 0.11 min

Lab File: VX016281.D

Acq: 15 May 2020 15:25

Instrument :

MSVOA_X

ClientSampleId :

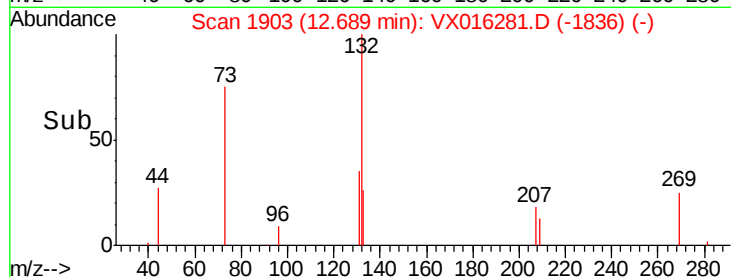
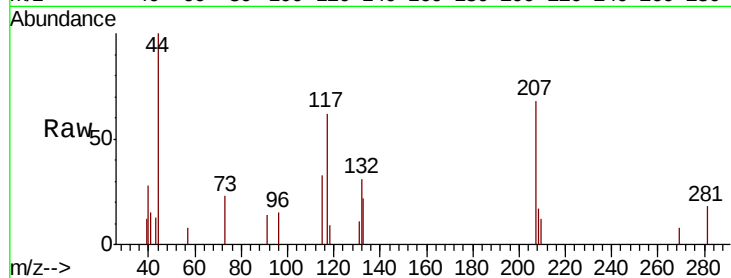
S32-0681

Tot Ion:117 Resp: 570

Ion Ratio Lower Upper

117 100

201 0.0 39.8 119.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

