

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051820\
 Data File : VX016307.D
 Acq On : 18 May 2020 18:26
 Operator : JC/SP
 Sample : L2649-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-0685

Quant Time: May 19 12:38:50 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	279537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	454343	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	448762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	233652	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	160464	43.62	ug/l	0.00
Spiked Amount			Recovery	=	87.24%	
35) Dibromofluoromethane	5.47	113	129407	44.96	ug/l	0.00
Spiked Amount			Recovery	=	89.92%	
50) Toluene-d8	8.70	98	552708	49.83	ug/l	0.00
Spiked Amount			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	11.12	95	227157	53.85	ug/l	0.00
Spiked Amount			Recovery	=	107.70%	

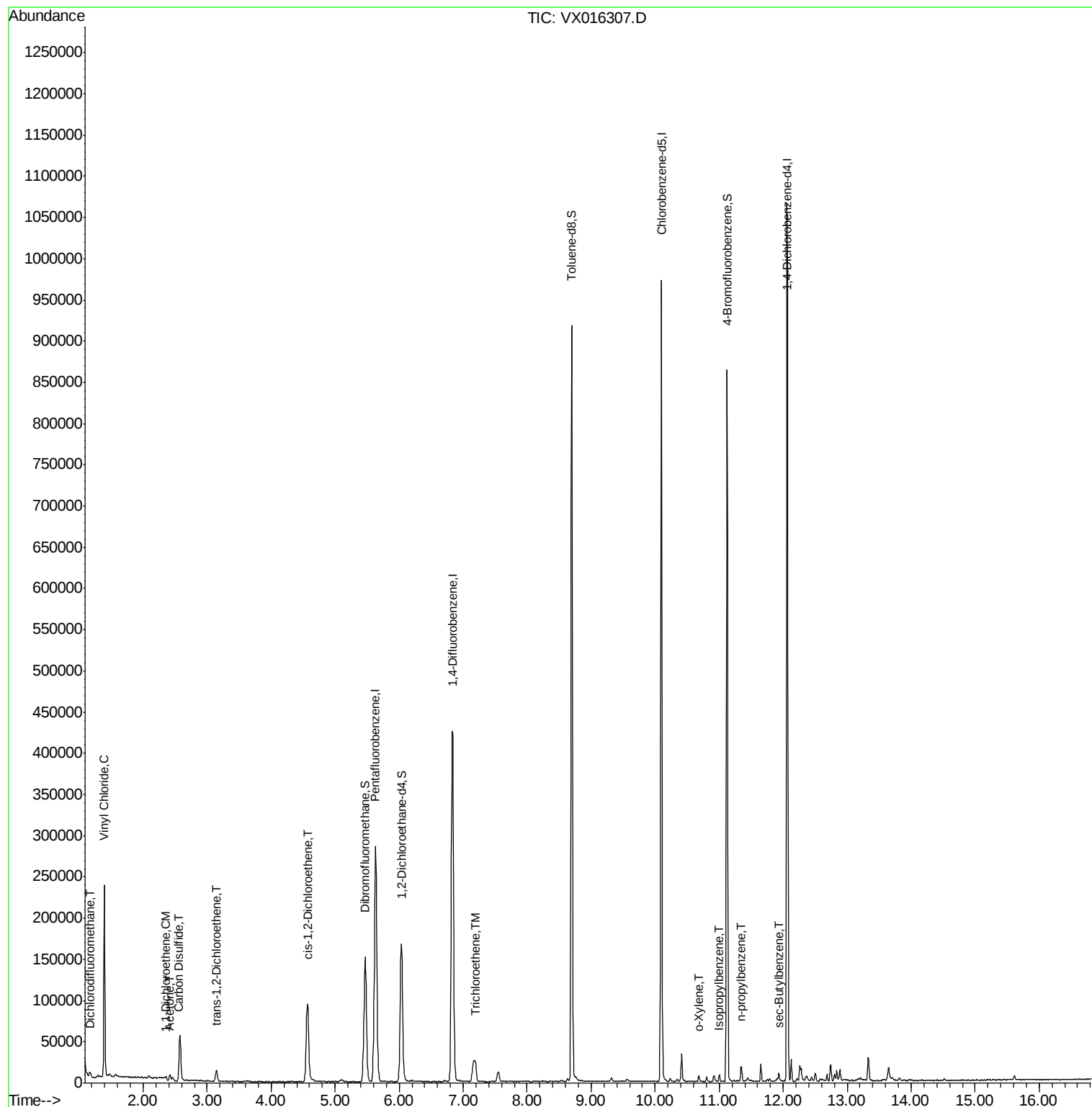
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	1624	0.549	ug/l	89
4) Vinyl Chloride	1.39	62	134849	36.783	ug/l	98
12) 1,1-Dichloroethene	2.36	96	864	0.297	ug/l	88
16) Acetone	2.42	43	7528	4.587	ug/l	99
17) Carbon Disulfide	2.56	76	4598	0.321	ug/l #	84
21) trans-1,2-Dichloroethene	3.15	96	5972	1.844	ug/l	82
27) cis-1,2-Dichloroethene	4.57	96	64194	18.133	ug/l	84
44) Trichloroethene	7.19	130	7673	1.650	ug/l	98
69) o-Xylene	10.68	106	1639	0.271	ug/l	87
73) Isopropylbenzene	11.01	105	4109	0.242	ug/l	98
78) n-propylbenzene	11.34	91	6695	0.339	ug/l	97
85) sec-Butylbenzene	11.93	105	4507	0.270	ug/l #	77

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

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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: VX016307.D

Acq: 18 May 2020 18:26

Instrument :

MSVOA_X

ClientSampleId :

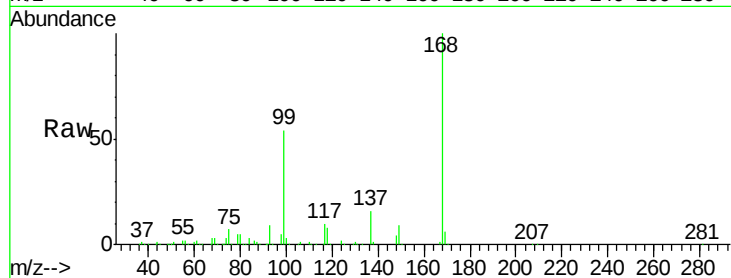
S32-0685

Tot Ion:168 Resp: 279537

Ion Ratio Lower Upper

168 100

99 54.2 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

120000

100000

80000

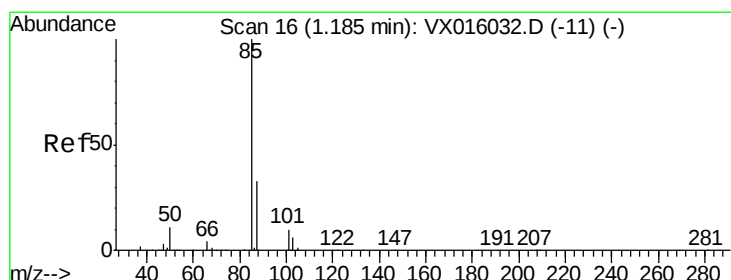
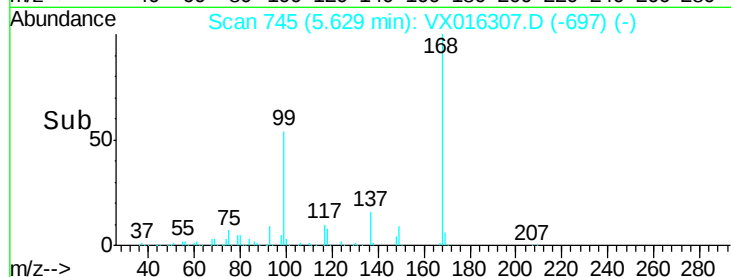
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.549 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016307.D

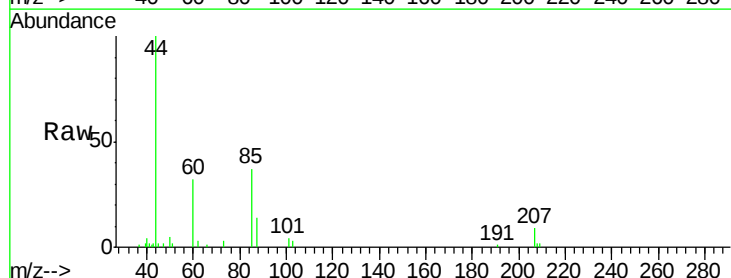
Acq: 18 May 2020 18:26

Tgt Ion: 85 Resp: 1624

Ion Ratio Lower Upper

85 100

87 38.6 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

2000

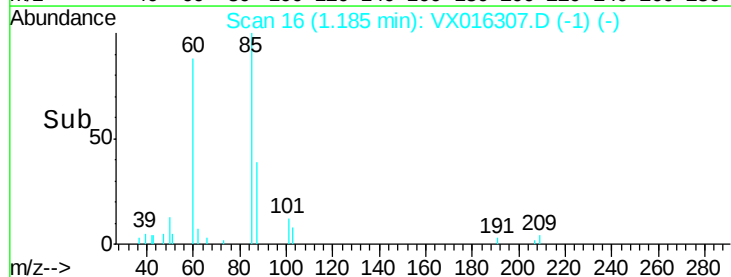
1500

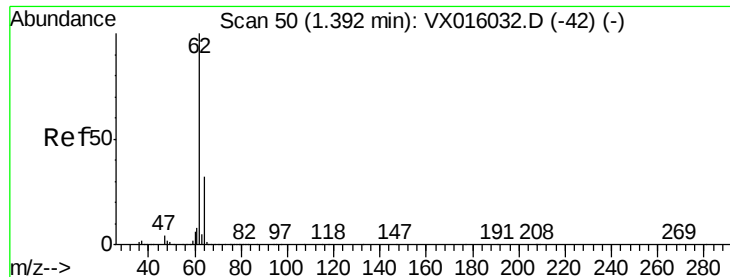
1000

500

0

Time-->





#4

Vinyl Chloride

Concen: 36.783 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016307.D

Acq: 18 May 2020 18:26

Instrument :

MSVOA_X

ClientSampled :

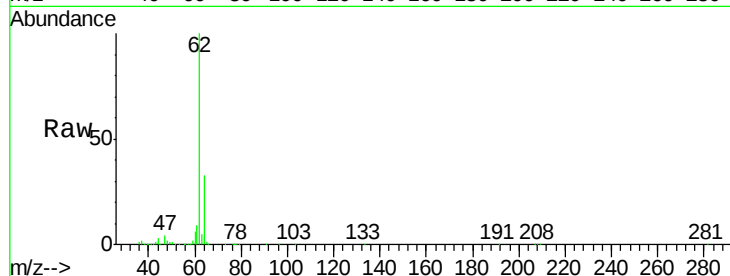
S32-0685

Tot Ion: 62 Resp: 134849

Ion Ratio Lower Upper

62 100

64 33.4 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

150000

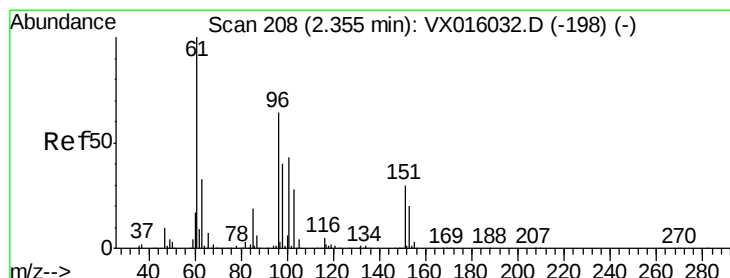
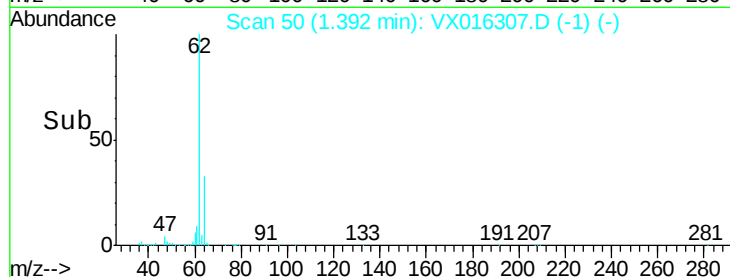
100000

50000

0

Time-->

1.30 1.35 1.40 1.45 1.50



#12

1,1-Dichloroethene

Concen: 0.297 ug/l

RT: 2.36 min Scan# 208

Delta R.T. -0.00 min

Lab File: VX016307.D

Acq: 18 May 2020 18:26

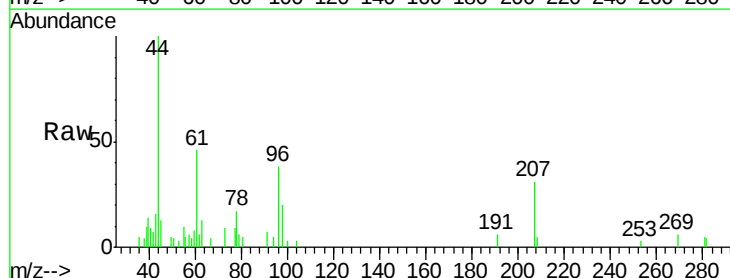
Tgt Ion: 96 Resp: 864

Ion Ratio Lower Upper

96 100

61 136.2 124.8 187.2

98 59.8 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

1000

800

600

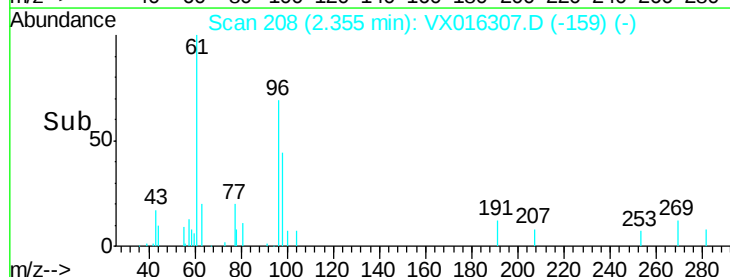
400

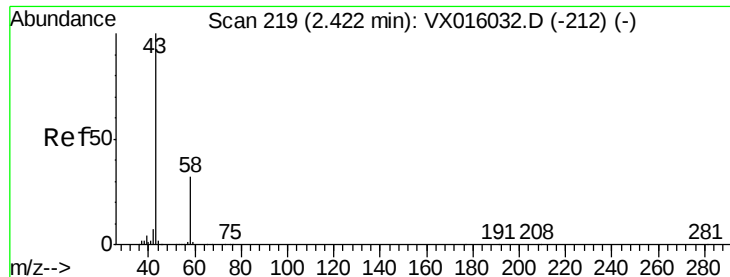
200

0

Time-->

2.30 2.35 2.40





#16

Acetone

Concen: 4.587 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016307.D

Acq: 18 May 2020 18:26

Instrument :

MSVOA_X

ClientSampleId :

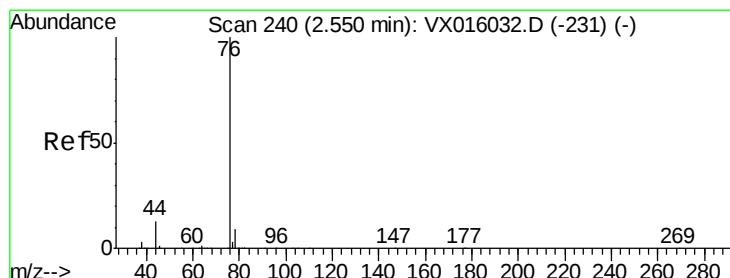
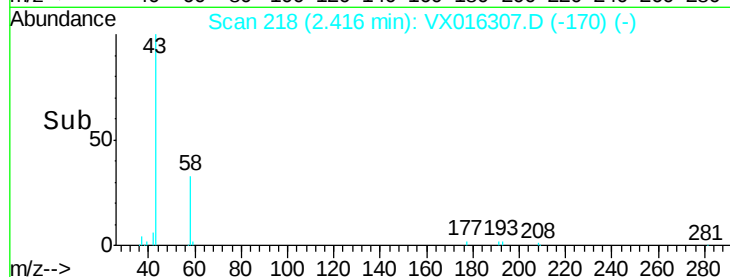
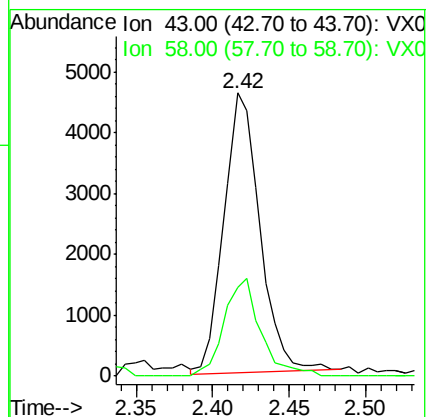
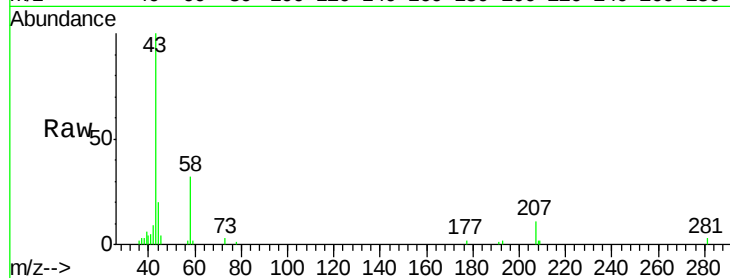
S32-0685

Tot Ion: 43 Resp: 7528

Ion Ratio Lower Upper

43 100

58 32.3 25.4 38.0



#17

Carbon Disulfide

Concen: 0.321 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX016307.D

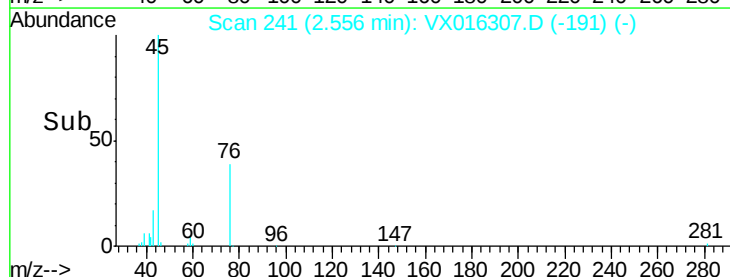
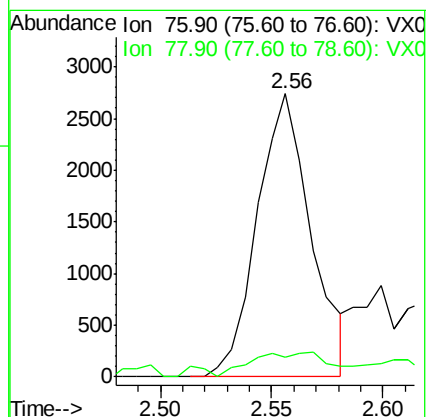
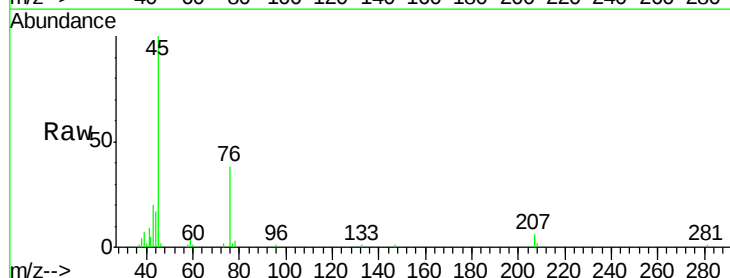
Acq: 18 May 2020 18:26

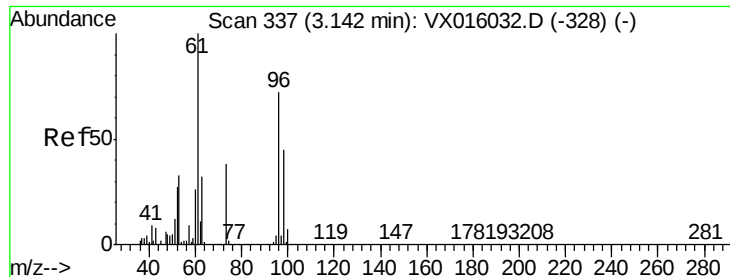
Tgt Ion: 76 Resp: 4598

Ion Ratio Lower Upper

76 100

78 3.4 7.5 11.3#





#21

trans-1,2-Dichloroethene

Concen: 1.844 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016307.D

Acq: 18 May 2020 18:26

Instrument :

MSVOA_X

ClientSampleId :

S32-0685

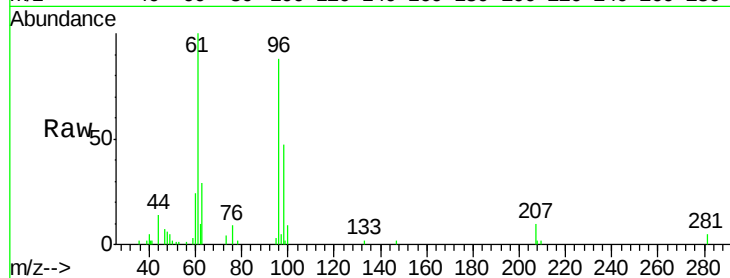
Tot Ion: 96 Resp: 5972

Ion Ratio Lower Upper

96 100

61 113.6 111.2 166.8

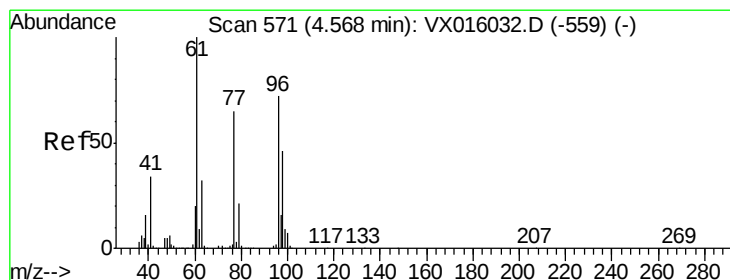
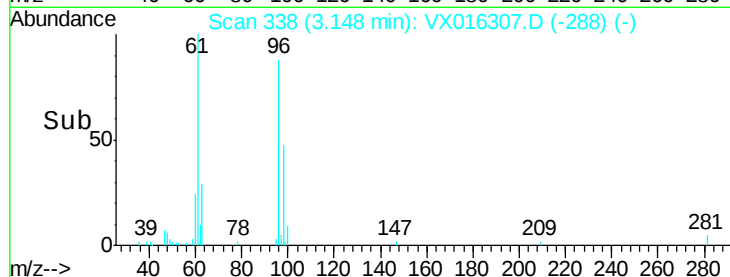
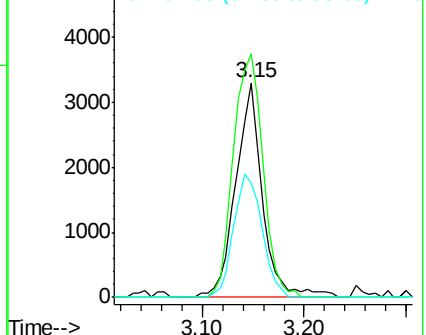
98 53.1 50.2 75.4



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



#27

cis-1,2-Dichloroethene

Concen: 18.133 ug/l

RT: 4.57 min Scan# 571

Delta R.T. -0.00 min

Lab File: VX016307.D

Acq: 18 May 2020 18:26

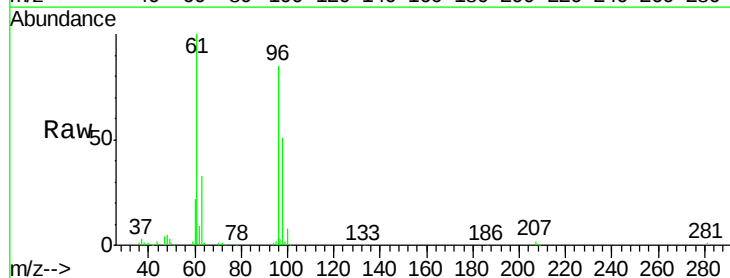
Tgt Ion: 96 Resp: 64194

Ion Ratio Lower Upper

96 100

61 120.8 0.0 296.2

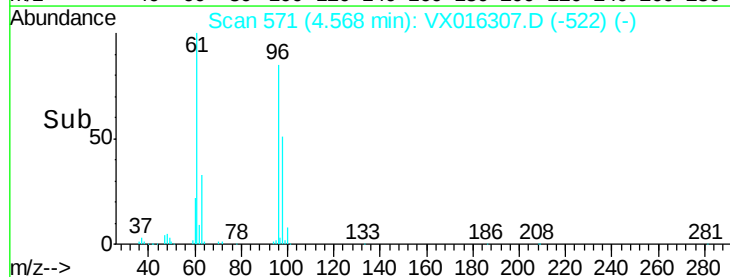
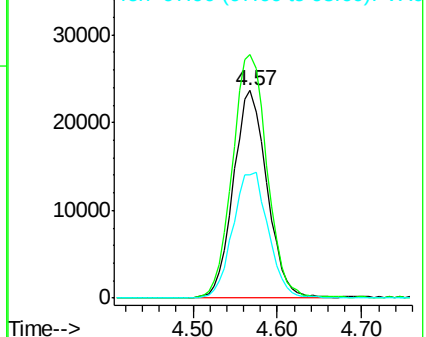
98 63.4 0.0 129.4

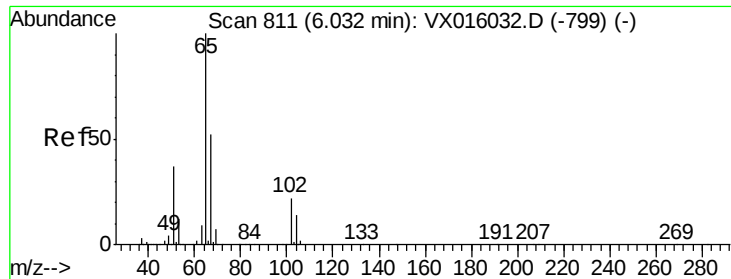


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 43.623 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016307.D

Acq: 18 May 2020 18:26

Instrument :

MSVOA_X

ClientSampleId :

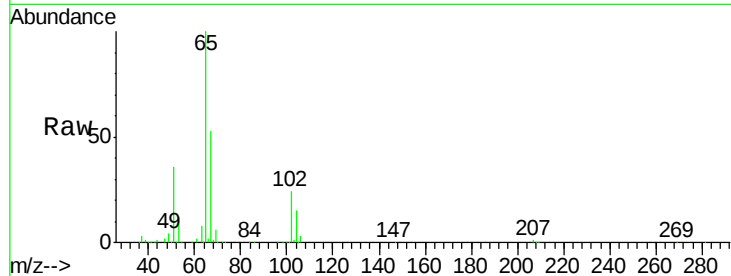
S32-0685

Tot Ion: 65 Resp: 160464

Ion Ratio Lower Upper

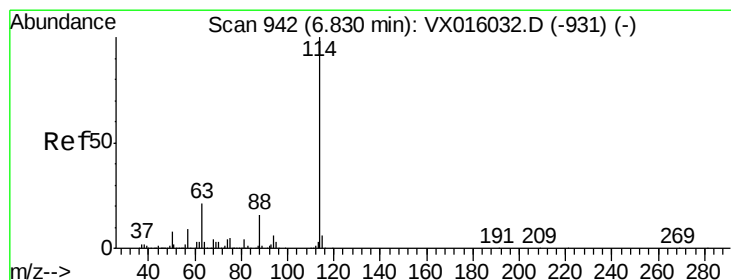
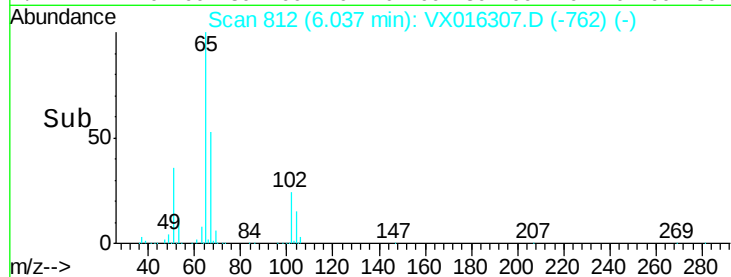
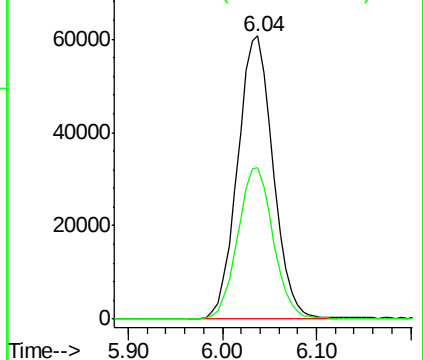
65 100

67 53.5 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016307.D

Acq: 18 May 2020 18:26

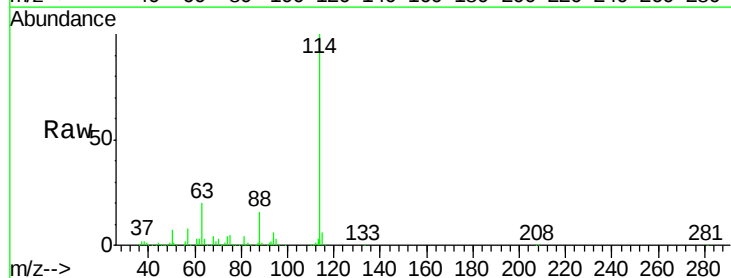
Tgt Ion: 114 Resp: 454343

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.8

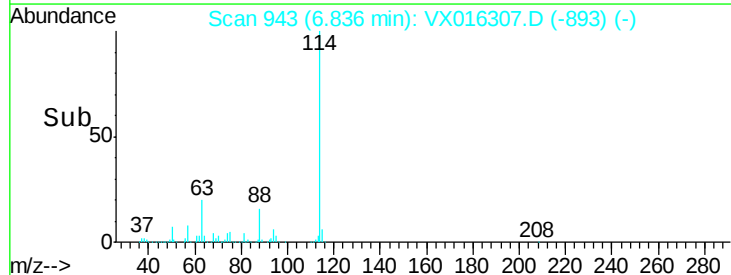
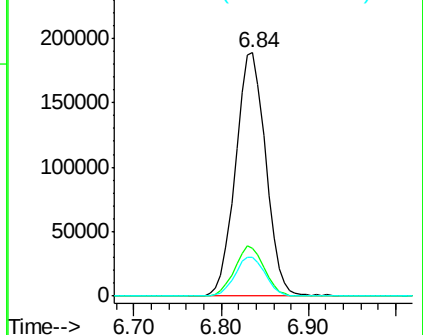
88 16.0 0.0 31.4



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: 44.957 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016307.D

Acq: 18 May 2020 18:26

Instrument :

MSVOA_X

ClientSampleId :

S32-0685

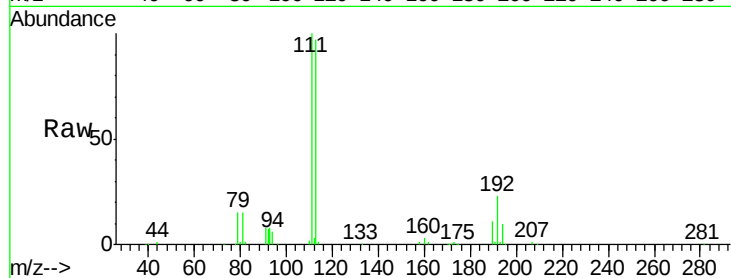
Tot Ion:113 Resp: 129407

Ion Ratio Lower Upper

113 100

111 103.1 81.6 122.4

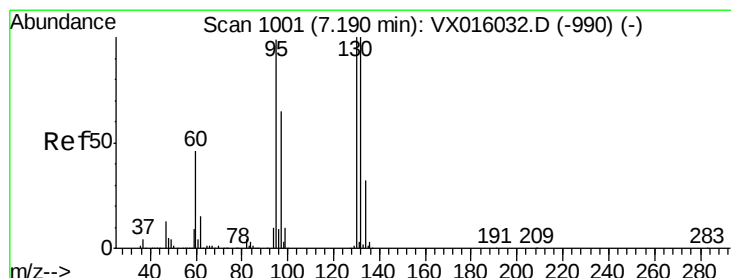
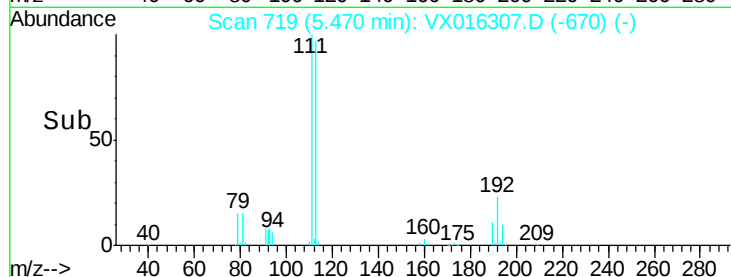
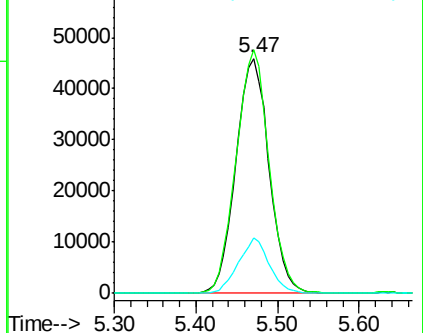
192 22.0 17.0 25.4



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



#44

Trichloroethene

Concen: 1.650 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016307.D

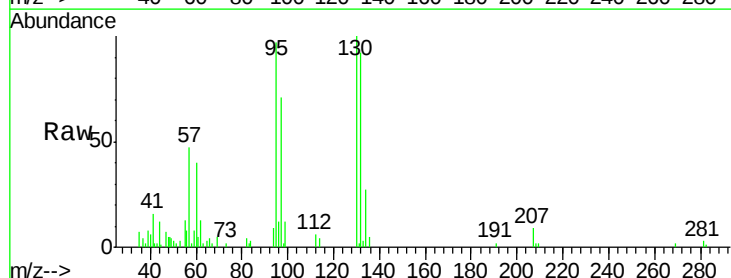
Acq: 18 May 2020 18:26

Tgt Ion:130 Resp: 7673

Ion Ratio Lower Upper

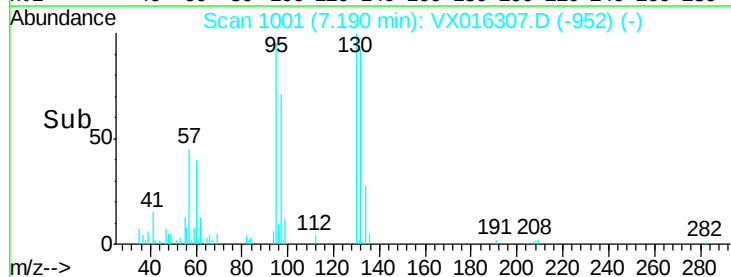
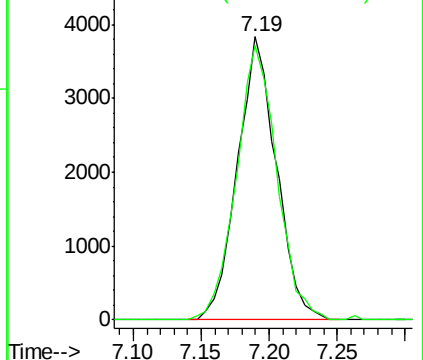
130 100

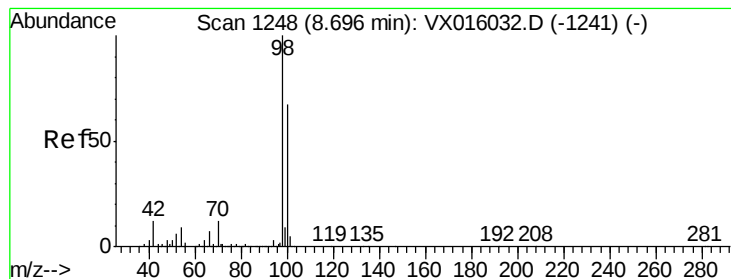
95 96.9 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 49.834 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016307.D

Acq: 18 May 2020 18:26

Instrument :

MSVOA_X

ClientSampleId :

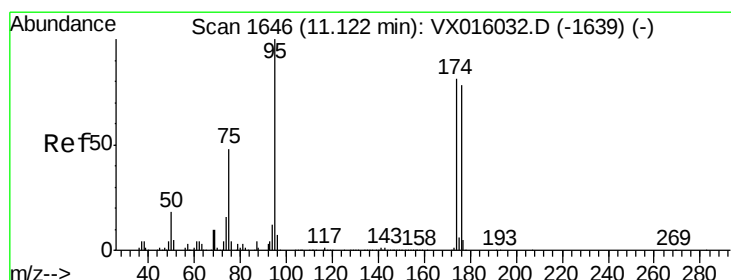
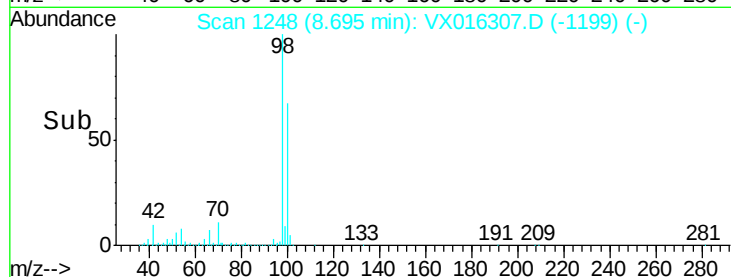
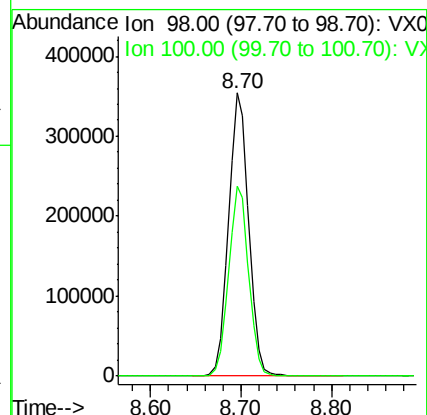
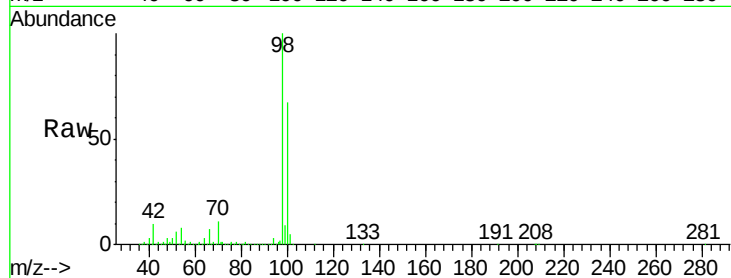
S32-0685

Tot Ion: 98 Resp: 552708

Ion Ratio Lower Upper

98 100

100 67.0 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 53.848 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016307.D

Acq: 18 May 2020 18:26

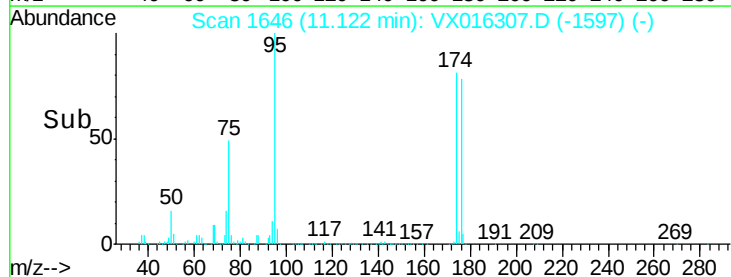
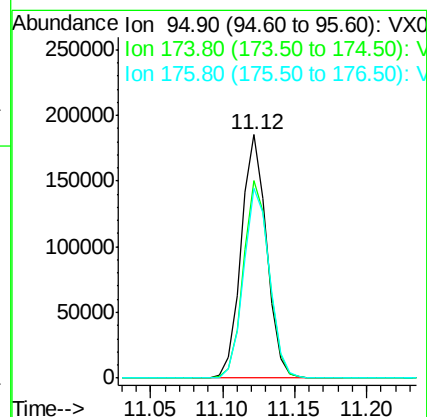
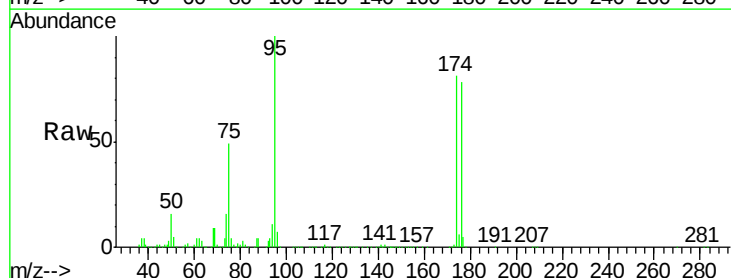
Tgt Ion: 95 Resp: 227157

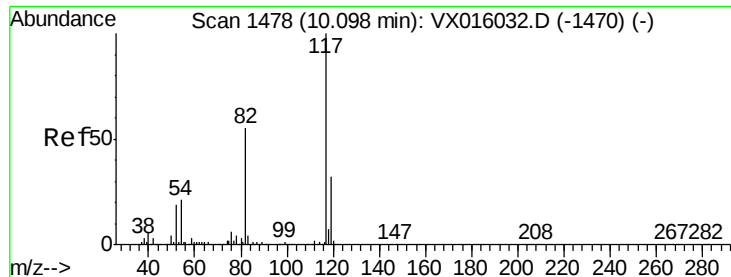
Ion Ratio Lower Upper

95 100

174 81.6 0.0 159.4

176 79.7 0.0 157.6

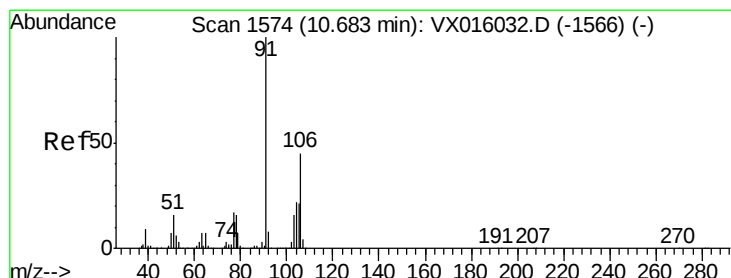
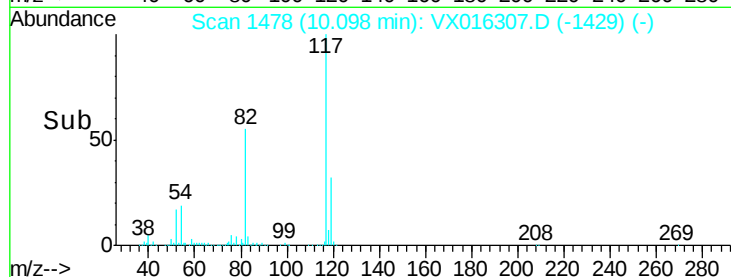
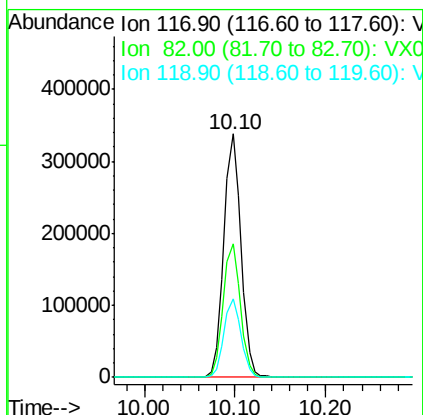
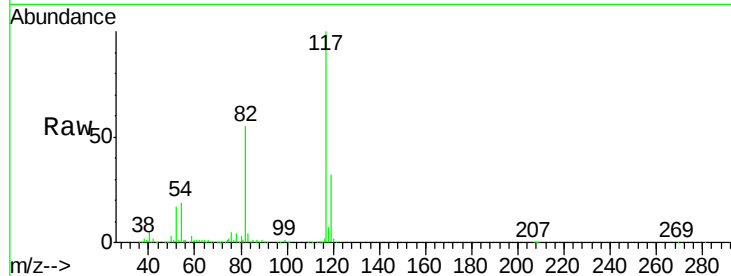




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016307.D
Acq: 18 May 2020 18:26

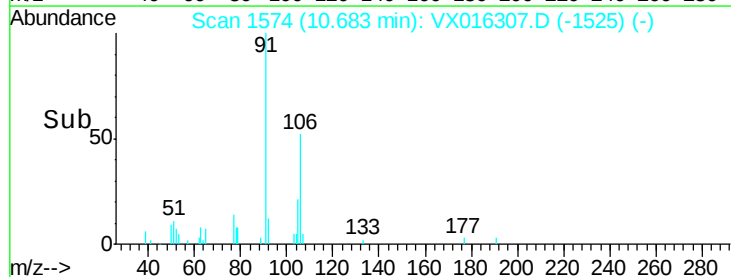
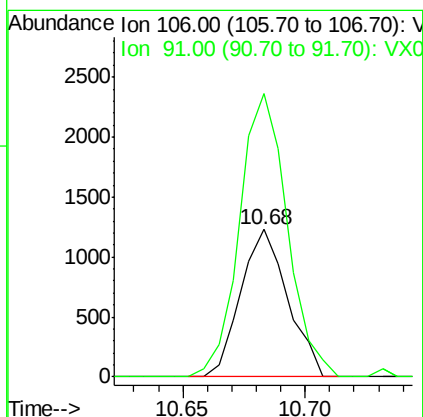
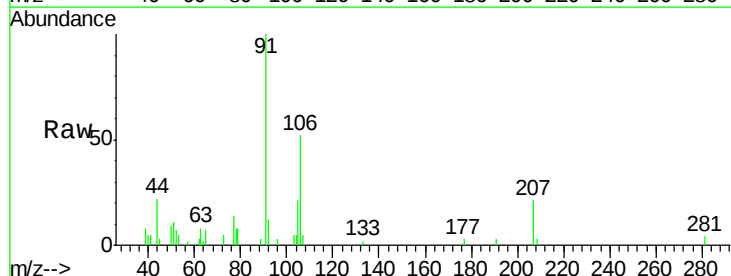
Instrument :
MSVOA_X
ClientSampleId :
S32-0685

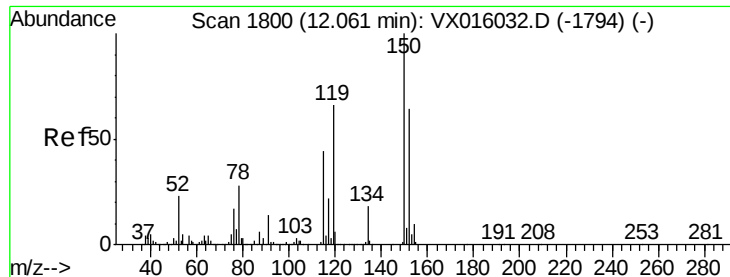
Tot Ion:117 Resp: 448762
Ion Ratio Lower Upper
117 100
82 55.1 44.4 66.6
119 32.3 25.5 38.3



#69
o-Xylene
Concen: 0.271 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX016307.D
Acq: 18 May 2020 18:26

Tgt Ion:106 Resp: 1639
Ion Ratio Lower Upper
106 100
91 194.8 107.5 322.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016307.D

Acq: 18 May 2020 18:26

Instrument :

MSVOA_X

ClientSampleId :

S32-0685

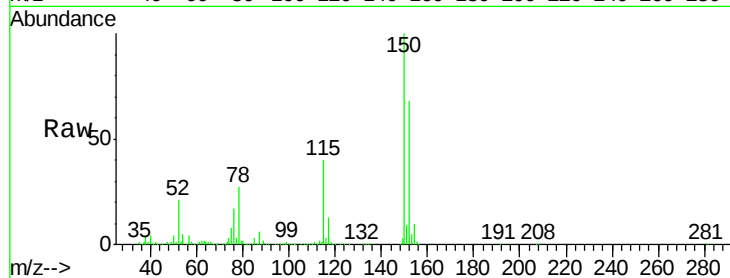
Tot Ion:152 Resp: 233652

Ion Ratio Lower Upper

152 100

115 57.4 41.3 124.1

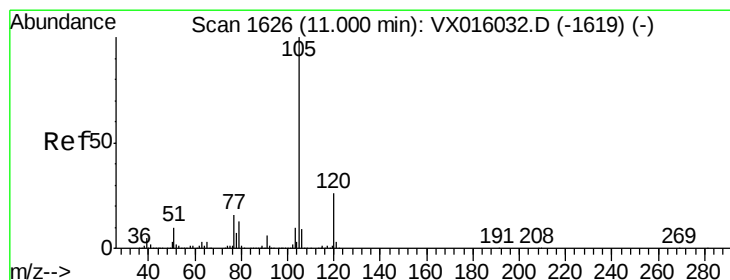
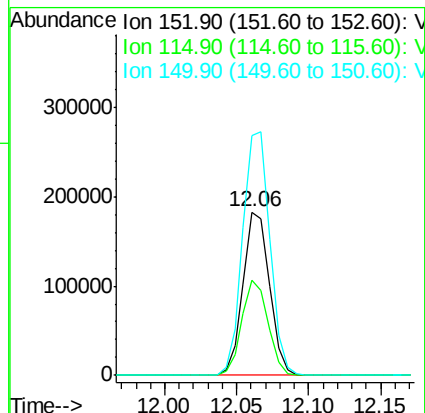
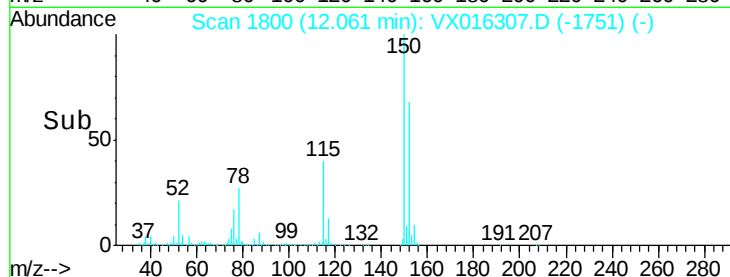
150 153.3 0.0 352.2



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



#73

Isopropylbenzene

Concen: 0.242 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX016307.D

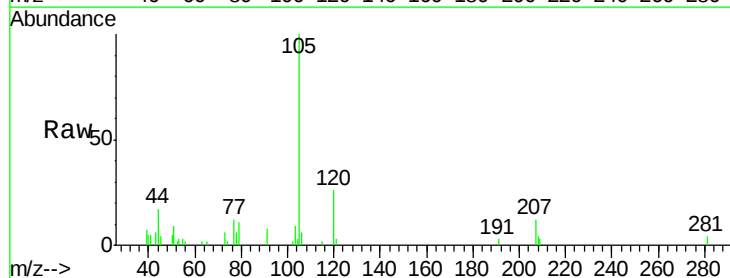
Acq: 18 May 2020 18:26

Tgt Ion:105 Resp: 4109

Ion Ratio Lower Upper

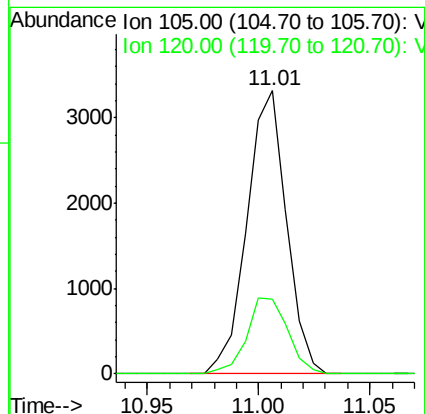
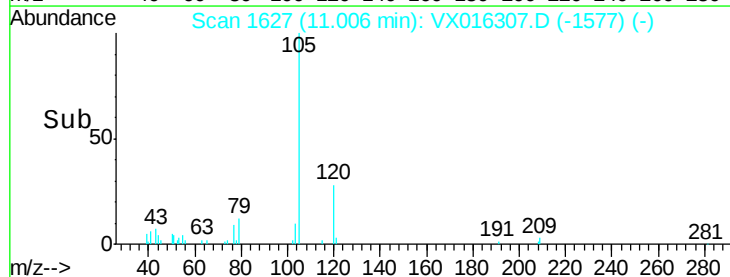
105 100

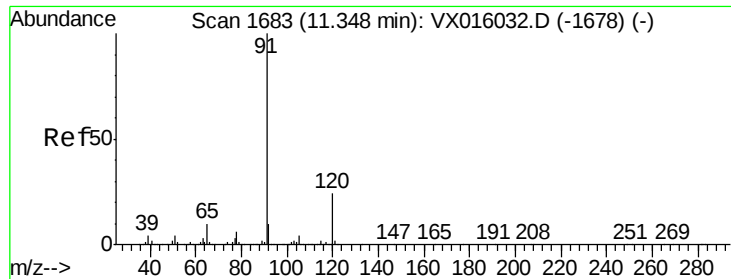
120 27.9 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.339 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX016307.D

Acq: 18 May 2020 18:26

Instrument :

MSVOA_X

ClientSampleId :

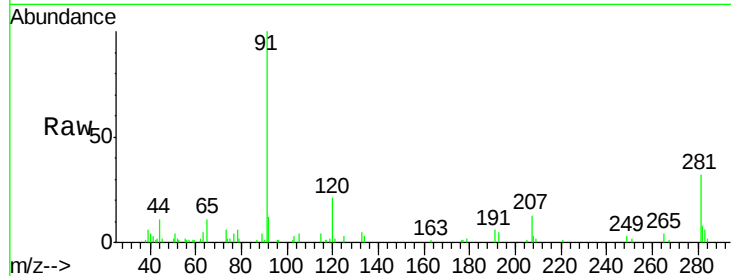
S32-0685

Tot Ion: 91 Resp: 6695

Ion Ratio Lower Upper

91 100

120 24.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.34

6000

5000

4000

3000

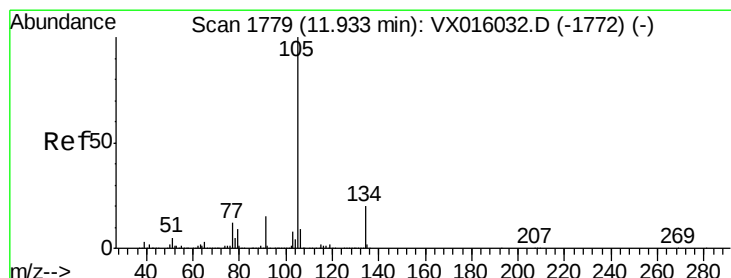
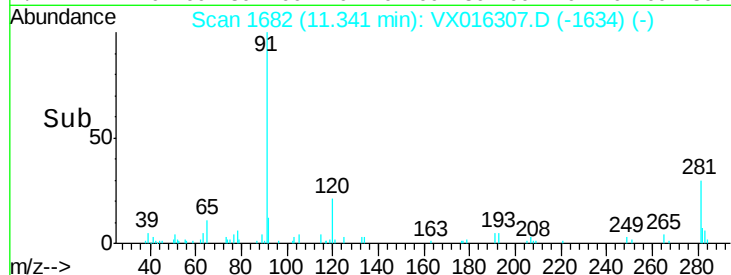
2000

1000

0

Time-->

11.30 11.35



#85

sec-Butylbenzene

Concen: 0.270 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016307.D

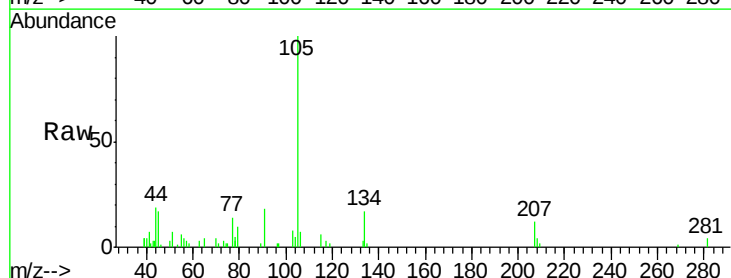
Acq: 18 May 2020 18:26

Tgt Ion:105 Resp: 4507

Ion Ratio Lower Upper

105 100

134 31.0 10.1 30.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.93

4000

3000

2000

1000

0

Time-->

11.90 11.95

