

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121420\
 Data File : VX019982.D
 Acq On : 14 Dec 2020 13:32
 Operator : JC/MD
 Sample : L5052-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5229-121020

Quant Time: Dec 15 14:46:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	305293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	497894	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	472161	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	231567	50.00	ug/l	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4		6.03	65	189317	47.18	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.36%	
35) Dibromofluoromethane		5.46	113	154483	48.01	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.02%	
50) Toluene-d8		8.70	98	618643	50.36	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.72%	
62) 4-Bromofluorobenzene		11.12	95	229057	48.99	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.98%	

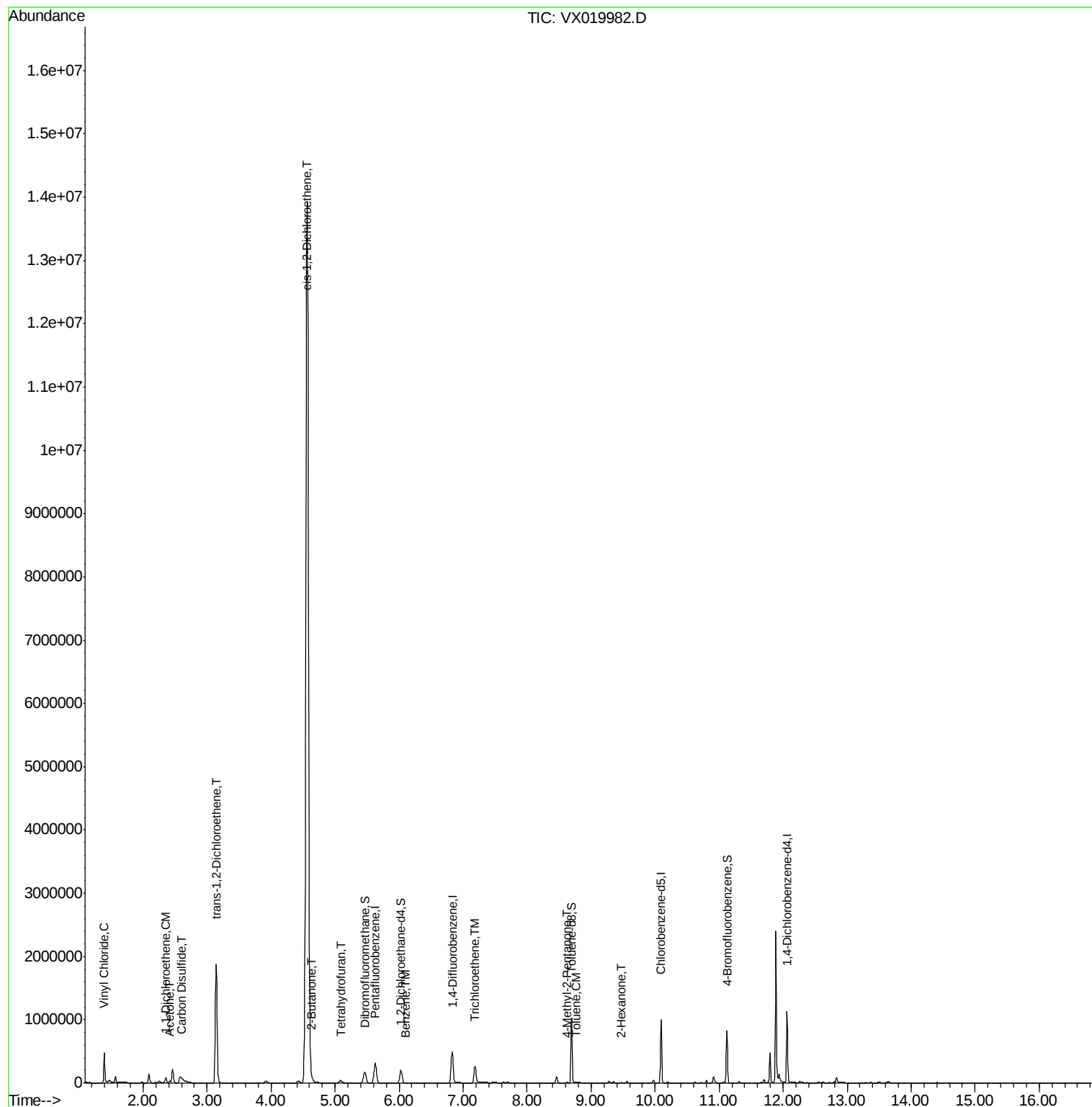
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	264320	76.260	ug/l	96
12) 1,1-Dichloroethene	2.36	96	28134	10.058	ug/l	96
16) Acetone	2.42	43	34255	22.713	ug/l	99
17) Carbon Disulfide	2.61	76	260676	32.479	ug/l	99
21) trans-1,2-Dichloroethene	3.14	96	790521	242.412	ug/l	97
25) 2-Butanone	4.64	43	70098	30.248	ug/l	97
27) cis-1,2-Dichloroethene	4.56	96	9358690	2452.298	ug/l	89
29) Tetrahydrofuran	5.09	42	7012	4.696	ug/l	90
40) Benzene	6.11	78	5433	0.395	ug/l	94
44) Trichloroethene	7.18	130	101454	28.135	ug/l	98
51) 4-Methyl-2-Pentanone	8.62	43	3697	0.820	ug/l	98
52) Toluene	8.76	92	4097	0.477	ug/l	93
59) 2-Hexanone	9.47	43	3254	0.931	ug/l	98

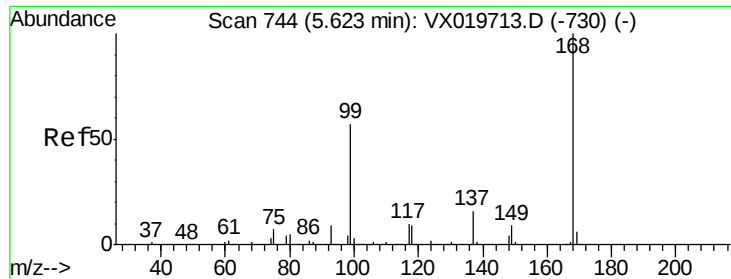
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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TU032-32-5229-121020

Quant Time: Dec 15 14:46:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 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: VX019982.D

Acq: 14 Dec 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

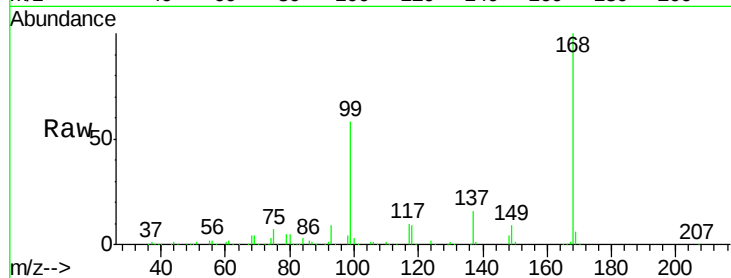
TU032-32-5229-121020

Tot Ion:168 Resp: 305293

Ion Ratio Lower Upper

168 100

99 57.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

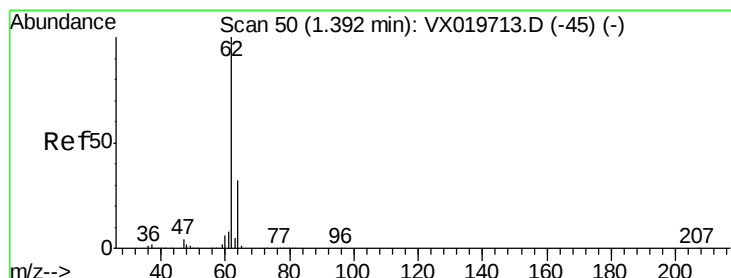
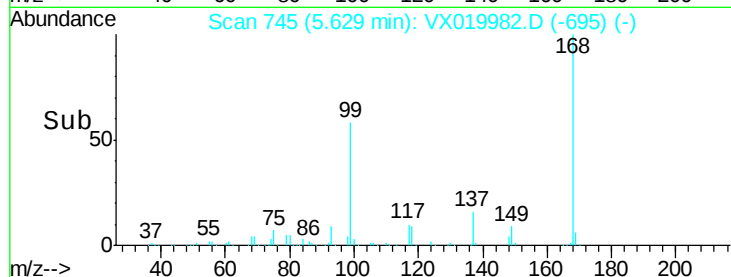
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 76.260 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019982.D

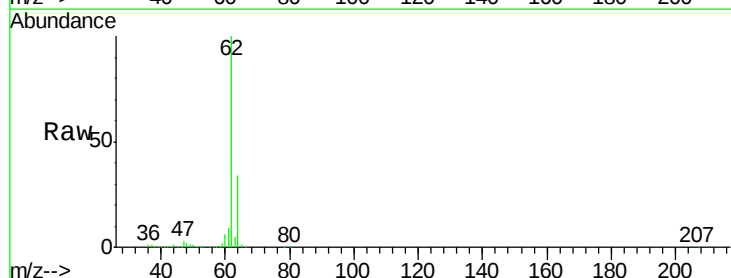
Acq: 14 Dec 2020 13:32

Tgt Ion: 62 Resp: 264320

Ion Ratio Lower Upper

62 100

64 34.1 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

300000

250000

200000

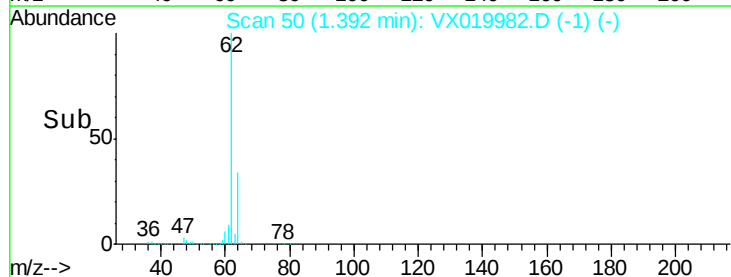
150000

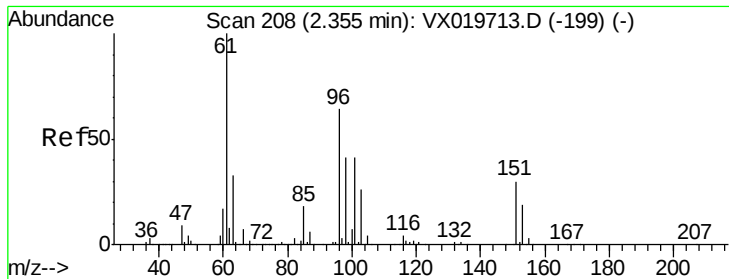
100000

50000

0

Time-->





#12

1,1-Dichloroethene

Concen: 10.058 ug/l

RT: 2.36 min Scan# 208

Delta R.T. 0.00 min

Lab File: VX019982.D

Acq: 14 Dec 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020

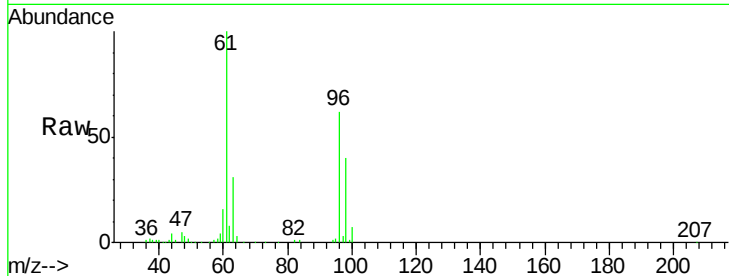
Tot Ion: 96 Resp: 28134

Ion Ratio Lower Upper

96 100

61 161.9 124.6 187.0

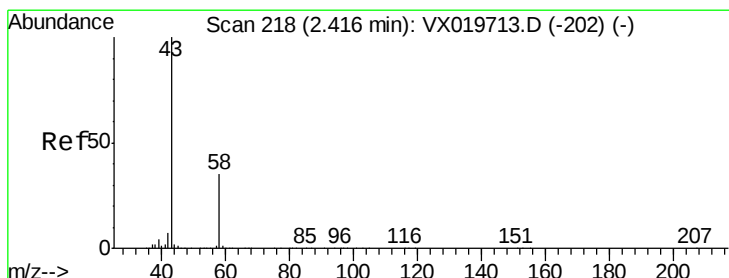
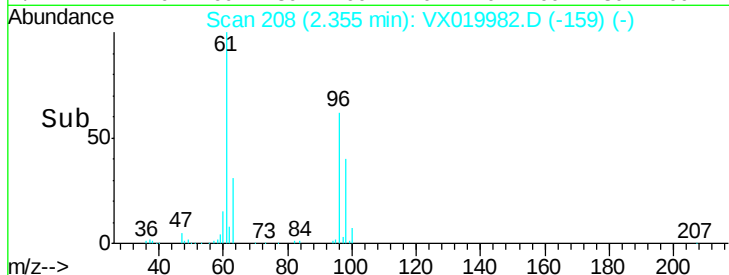
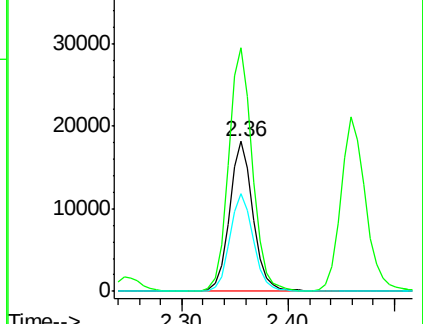
98 65.0 50.6 76.0



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



#16

Acetone

Concen: 22.713 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019982.D

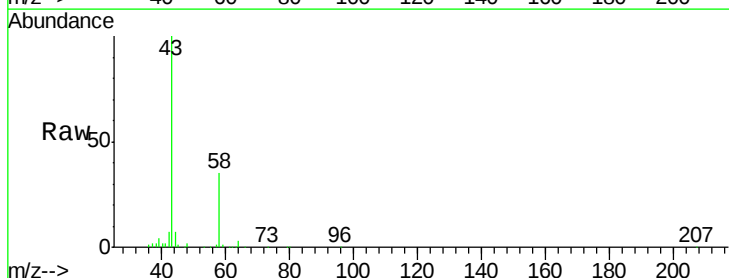
Acq: 14 Dec 2020 13:32

Tgt Ion: 43 Resp: 34255

Ion Ratio Lower Upper

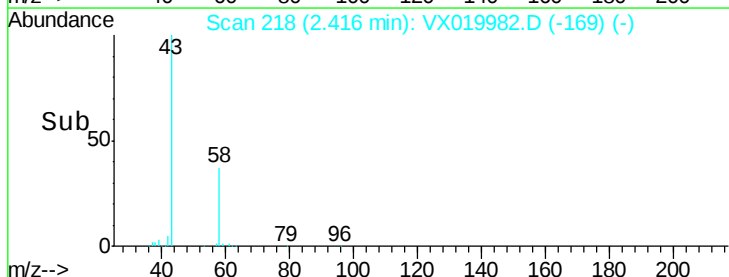
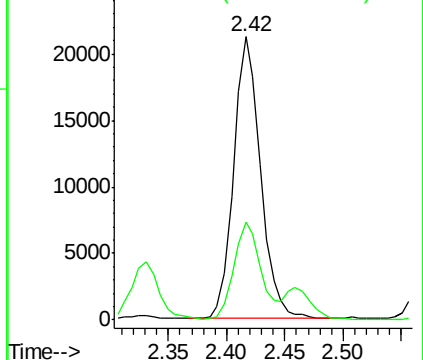
43 100

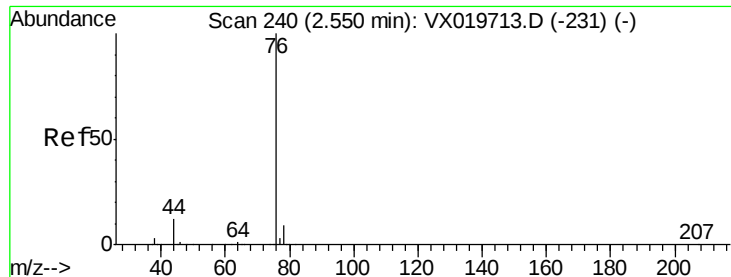
58 34.1 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

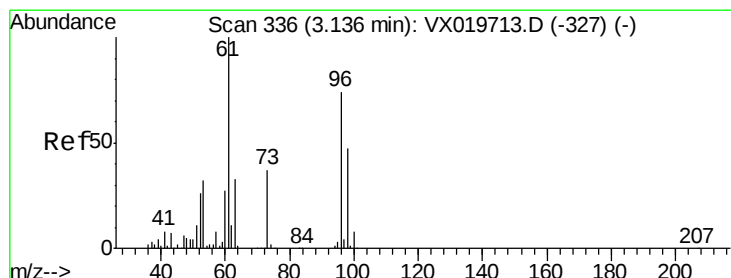
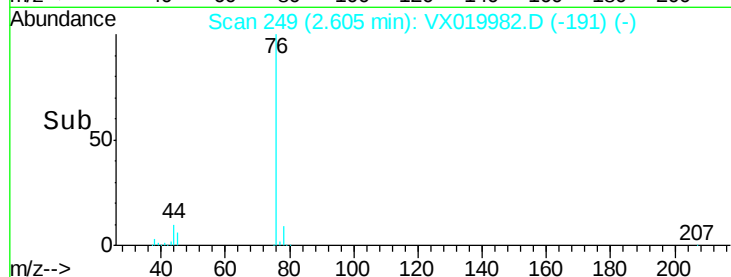
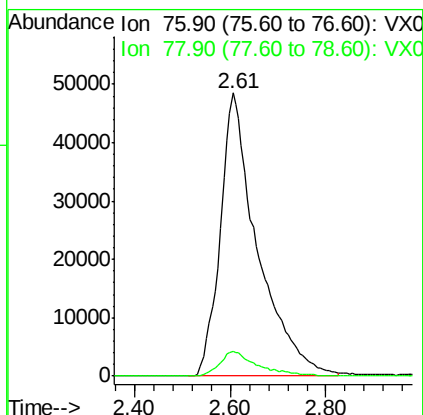
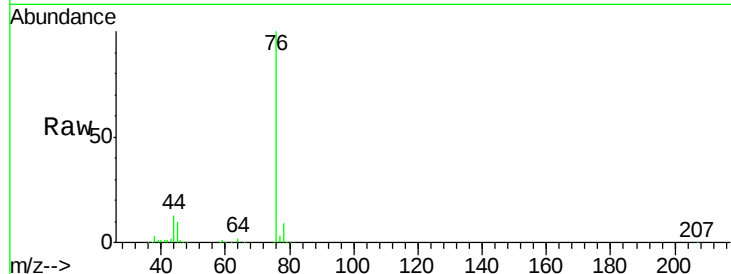




#17
Carbon Disulfide
Concen: 32.479 ug/l
RT: 2.61 min Scan# 249
Delta R.T. 0.05 min
Lab File: VX019982.D
Acq: 14 Dec 2020 13:32

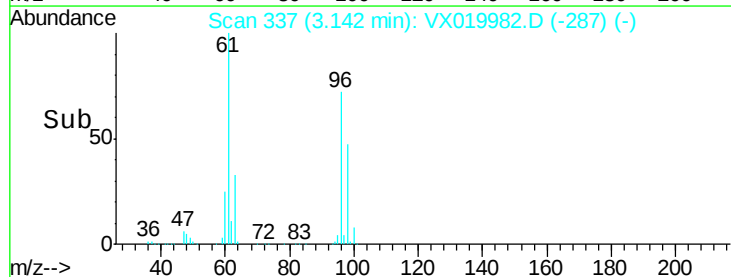
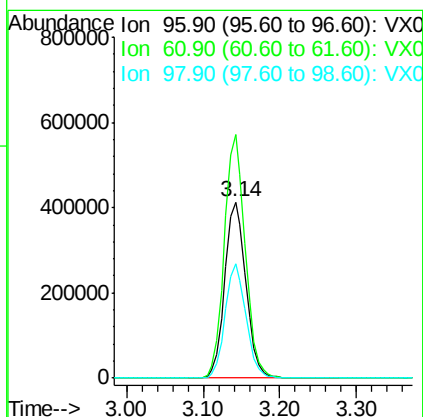
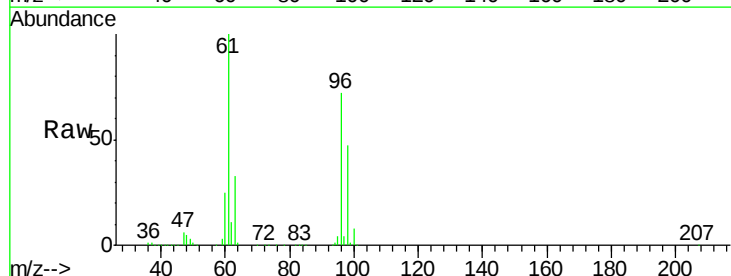
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020

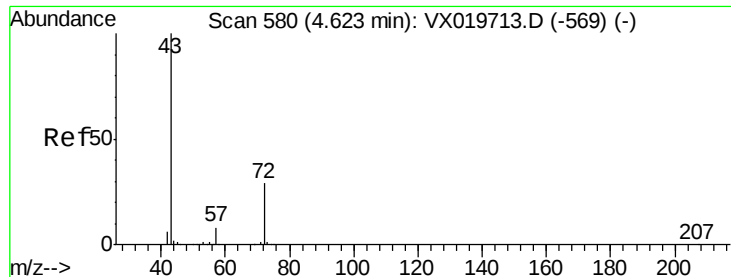
Tot Ion: 76 Resp: 260676
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8



#21
trans-1,2-Dichloroethene
Concen: 242.412 ug/l
RT: 3.14 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX019982.D
Acq: 14 Dec 2020 13:32

Tgt Ion: 96 Resp: 790521
Ion Ratio Lower Upper
96 100
61 138.1 107.7 161.5
98 65.1 50.4 75.6

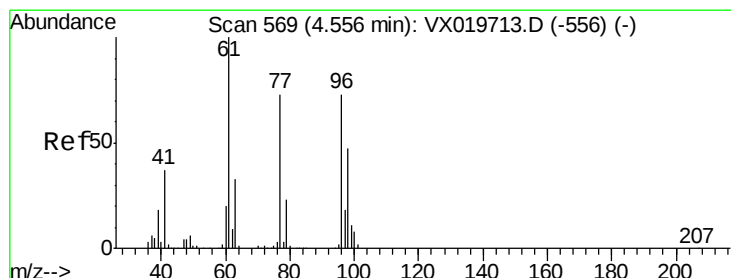
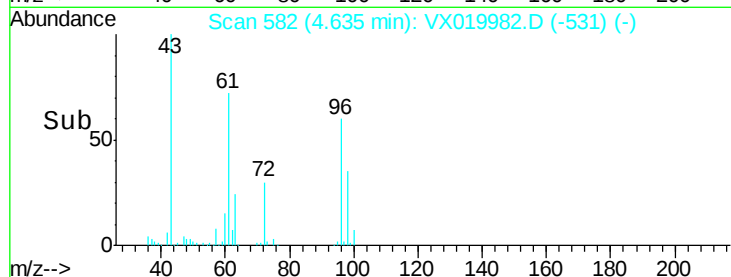
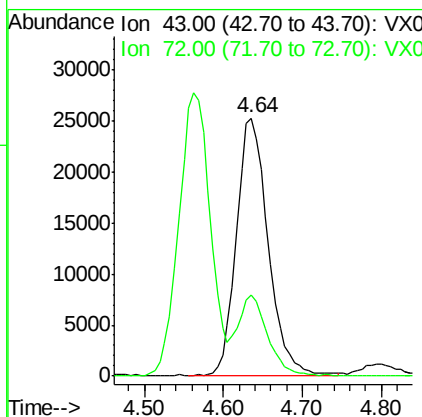
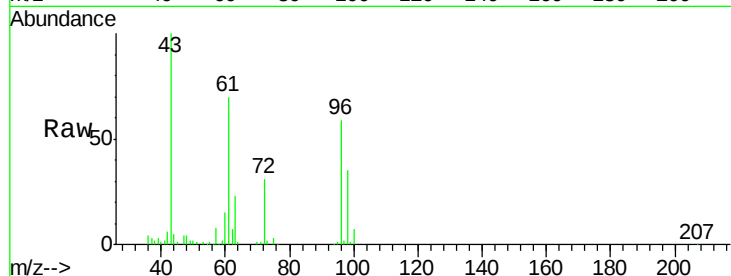




#25
2-Butanone
Concen: 30.248 ug/l
RT: 4.64 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX019982.D
Acq: 14 Dec 2020 13:32

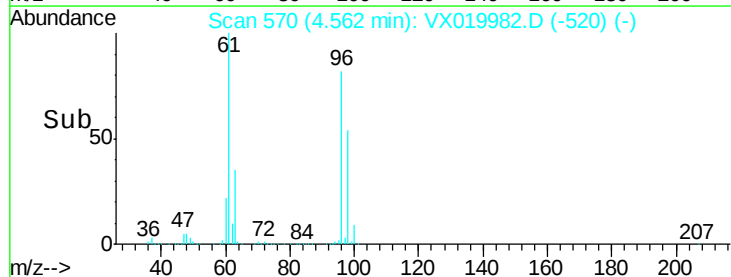
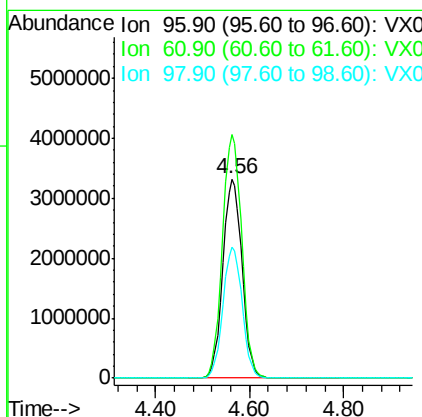
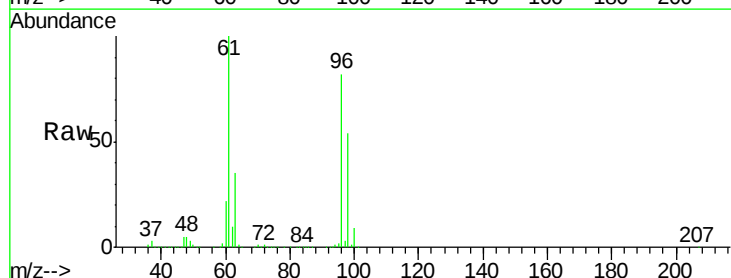
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020

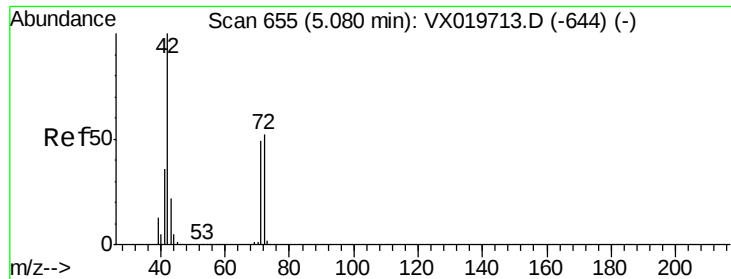
Tot Ion: 43 Resp: 70098
Ion Ratio Lower Upper
43 100
72 30.9 23.7 35.5



#27
cis-1,2-Dichloroethene
Concen: 2452.298 ug/l
RT: 4.56 min Scan# 570
Delta R.T. 0.01 min
Lab File: VX019982.D
Acq: 14 Dec 2020 13:32

Tgt Ion: 96 Resp: 9358690
Ion Ratio Lower Upper
96 100
61 123.7 0.0 285.6
98 65.8 0.0 129.6

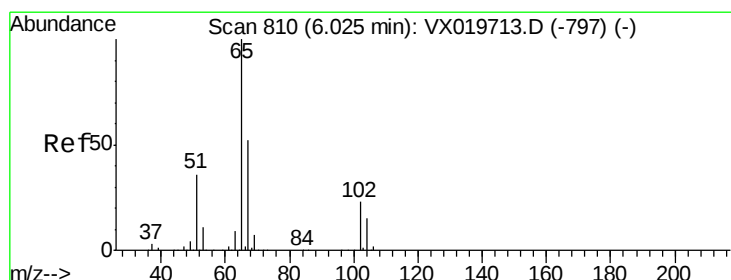
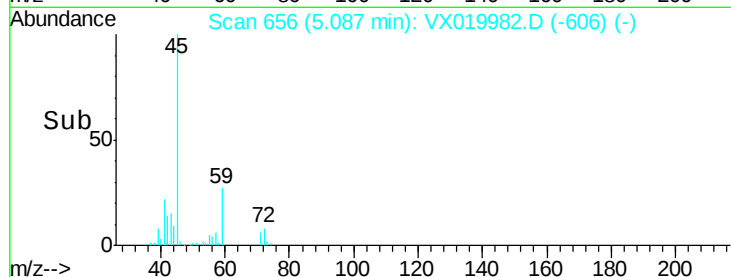
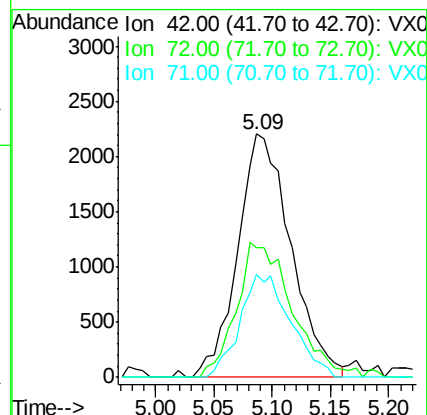
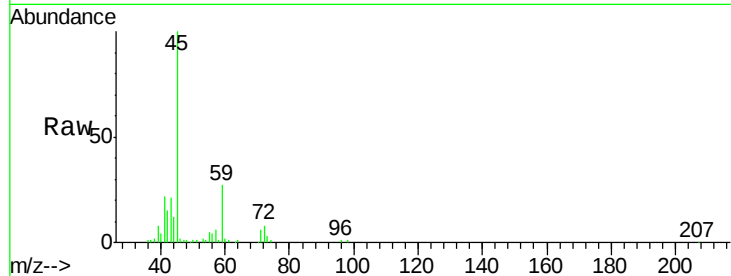




#29
Tetrahydrofuran
Concen: 4.696 ug/l
RT: 5.09 min Scan# 656
Delta R.T. 0.01 min
Lab File: VX019982.D
Acq: 14 Dec 2020 13:32

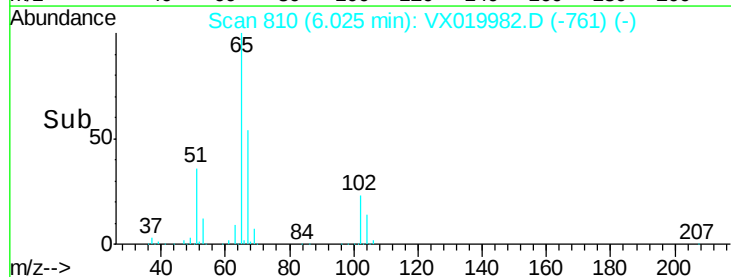
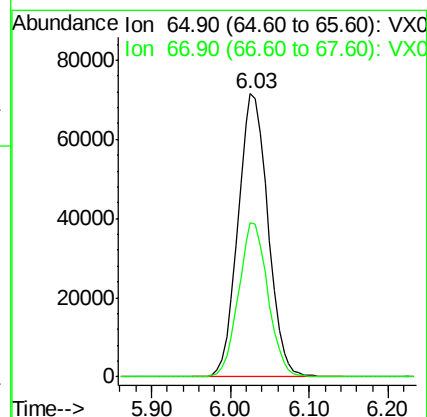
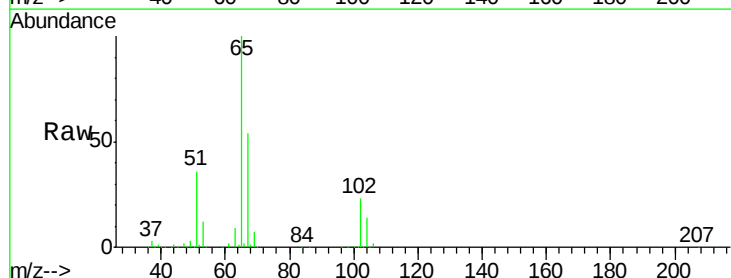
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5229-121020

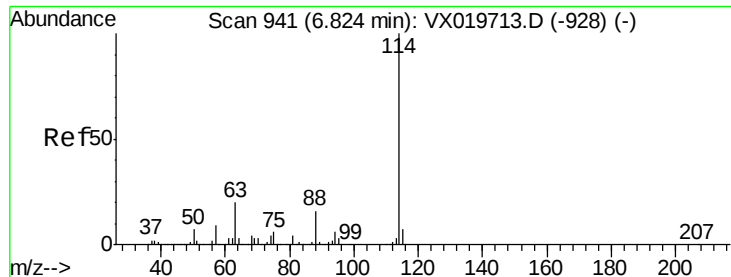
Tot Ion: 42 Resp: 7012
Ion Ratio Lower Upper
42 100
72 57.8 41.7 62.5
71 40.3 38.4 57.6



#33
1,2-Dichloroethane-d4
Concen: 47.182 ug/l
RT: 6.03 min Scan# 810
Delta R.T. 0.00 min
Lab File: VX019982.D
Acq: 14 Dec 2020 13:32

Tgt Ion: 65 Resp: 189317
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019982.D

Acq: 14 Dec 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020

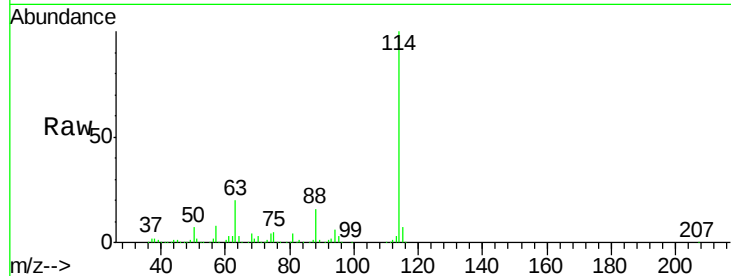
Tot Ion:114 Resp: 497894

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

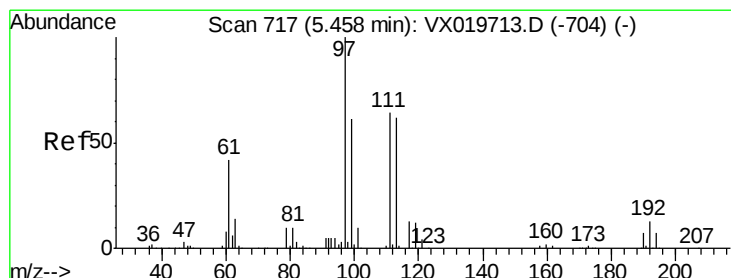
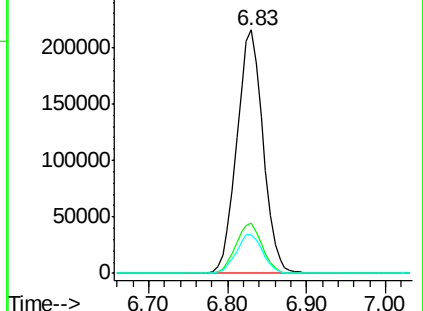
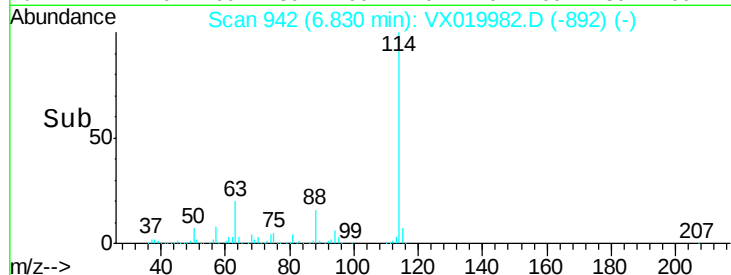
88 16.1 0.0 32.8



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: 48.009 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019982.D

Acq: 14 Dec 2020 13:32

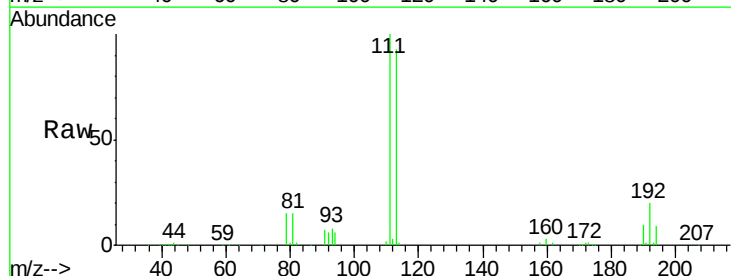
Tgt Ion:113 Resp: 154483

Ion Ratio Lower Upper

113 100

111 104.1 81.9 122.9

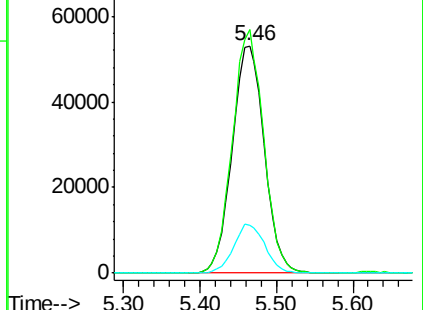
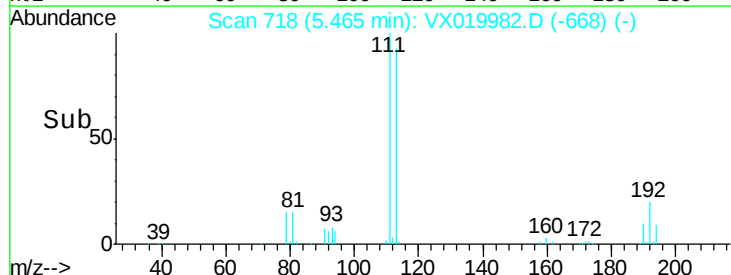
192 20.9 16.7 25.1

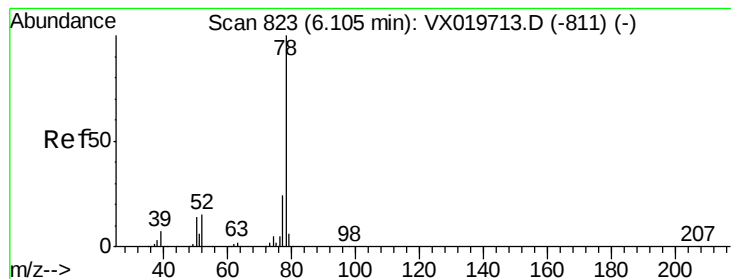


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.395 ug/l

RT: 6.11 min Scan# 824

Delta R.T. 0.01 min

Lab File: VX019982.D

Acq: 14 Dec 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

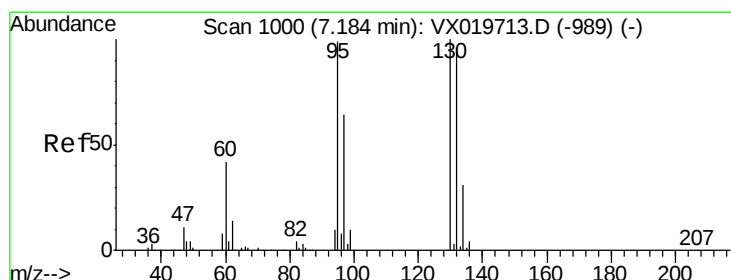
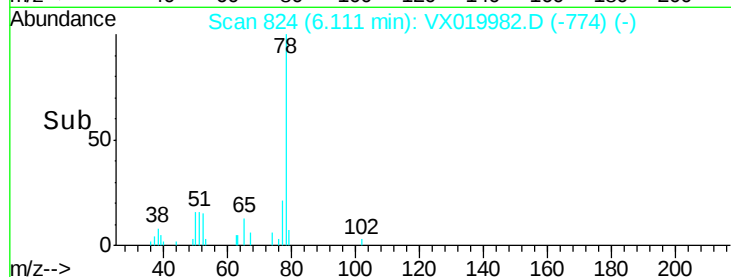
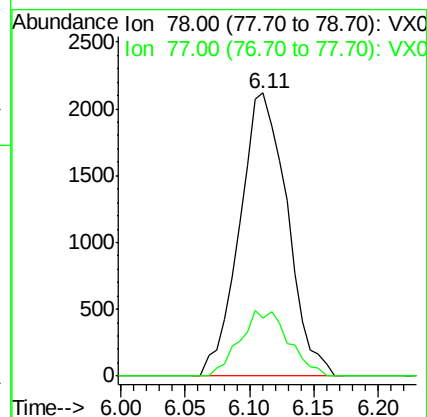
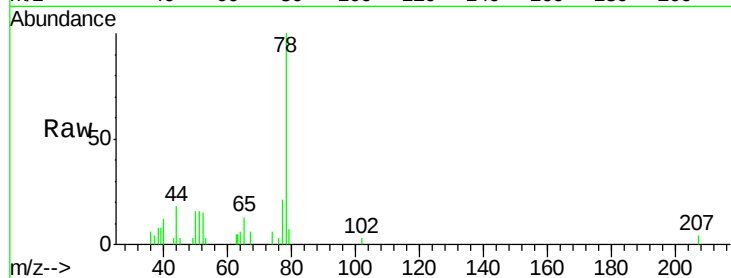
TU032-32-5229-121020

Tot Ion: 78 Resp: 5433

Ion Ratio Lower Upper

78 100

77 20.6 18.9 28.3



#44

Trichloroethene

Concen: 28.135 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VX019982.D

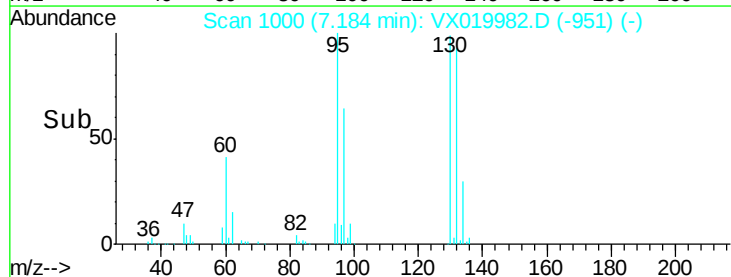
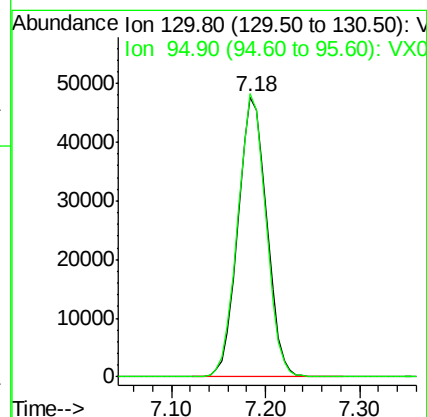
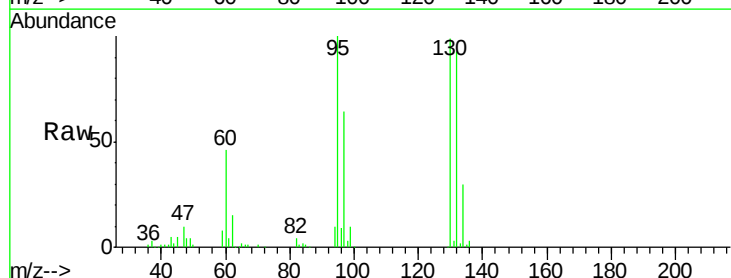
Acq: 14 Dec 2020 13:32

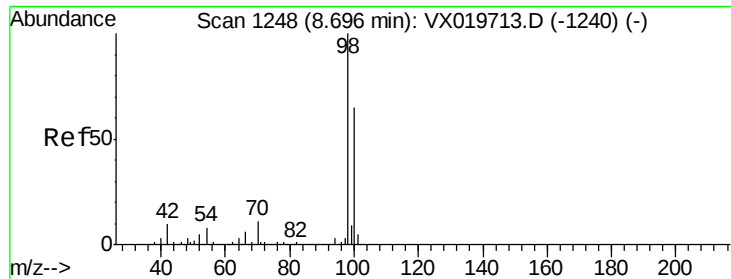
Tgt Ion: 130 Resp: 101454

Ion Ratio Lower Upper

130 100

95 101.1 0.0 198.0





#50

Toluene-d8

Concen: 50.358 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019982.D

Acq: 14 Dec 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

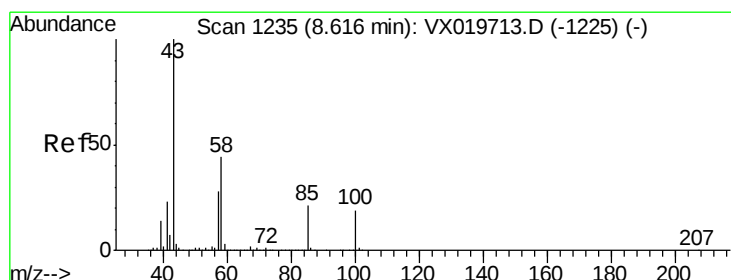
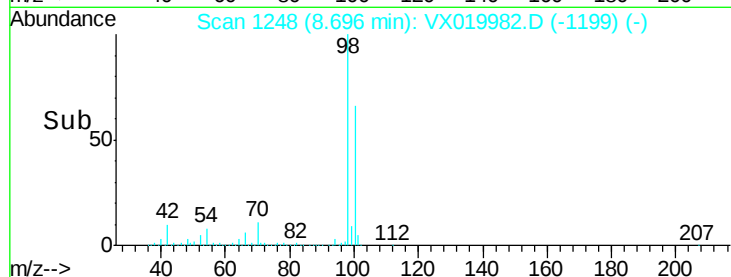
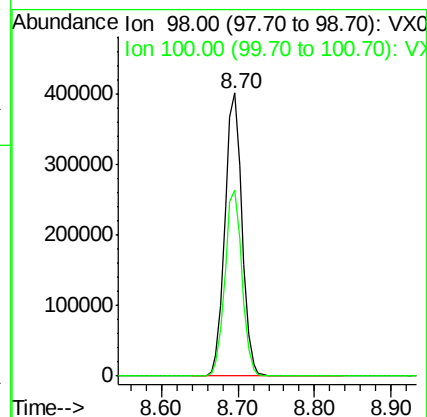
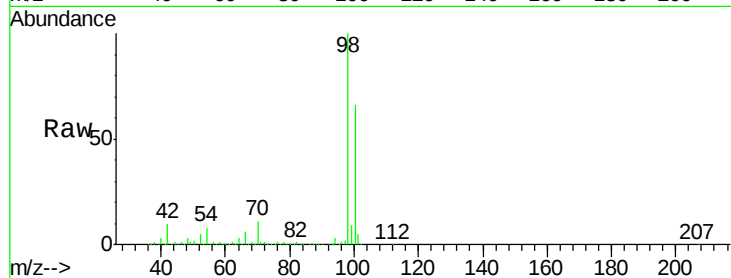
TU032-32-5229-121020

Tot Ion: 98 Resp: 618643

Ion Ratio Lower Upper

98 100

100 65.9 51.9 77.9



#51

4-Methyl-2-Pentanone

Concen: 0.820 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. 0.00 min

Lab File: VX019982.D

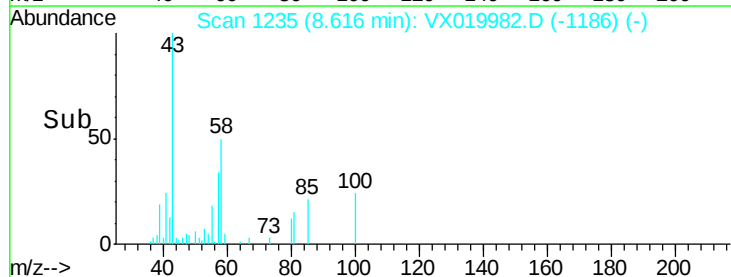
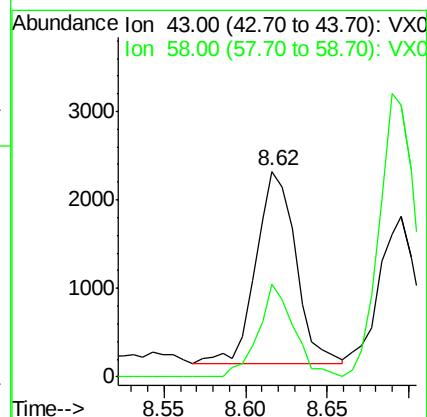
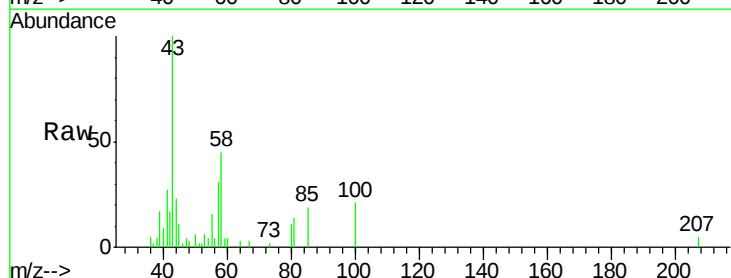
Acq: 14 Dec 2020 13:32

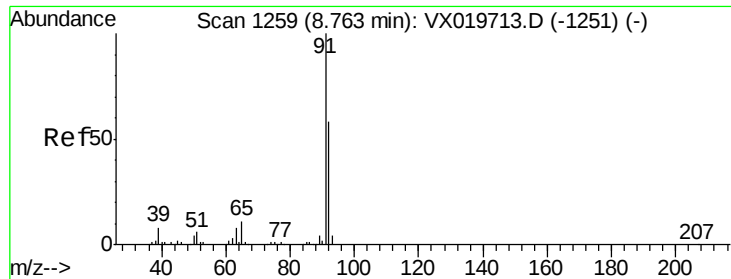
Tgt Ion: 43 Resp: 3697

Ion Ratio Lower Upper

43 100

58 42.9 35.4 53.0





#52

Toluene

Concen: 0.477 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VX019982.D

Acq: 14 Dec 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

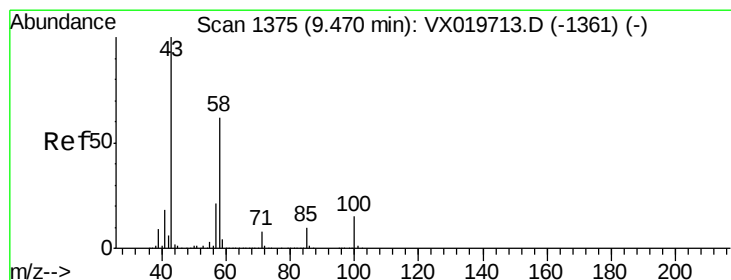
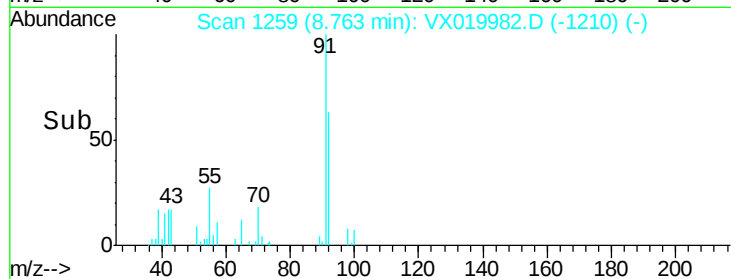
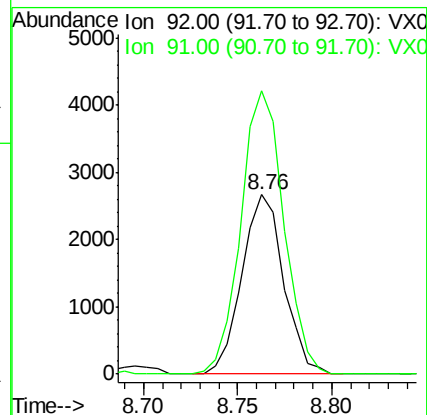
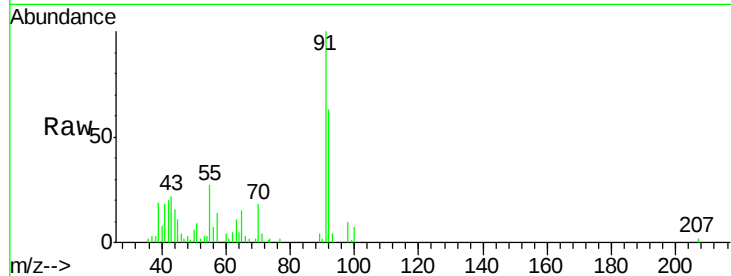
TU032-32-5229-121020

Tot Ion: 92 Resp: 4097

Ion Ratio Lower Upper

92 100

91 162.2 137.1 205.7



#59

2-Hexanone

Concen: 0.931 ug/l

RT: 9.47 min Scan# 1375

Delta R.T. 0.00 min

Lab File: VX019982.D

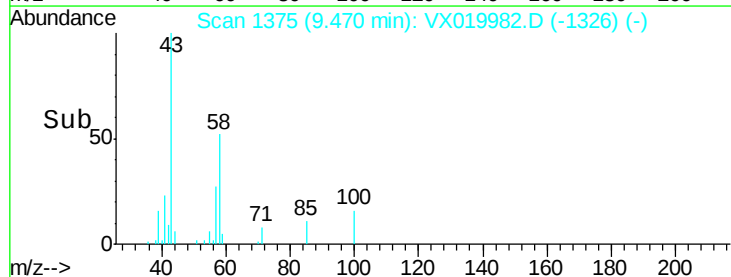
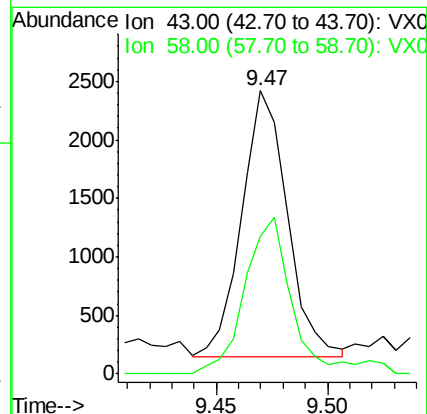
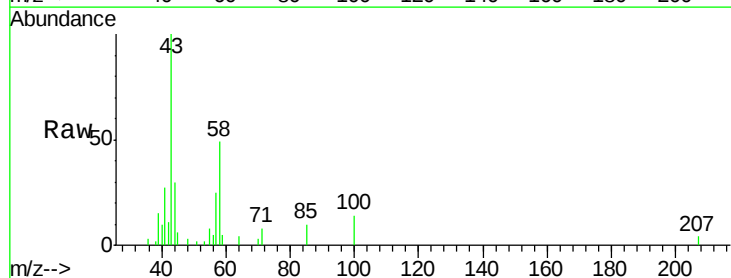
Acq: 14 Dec 2020 13:32

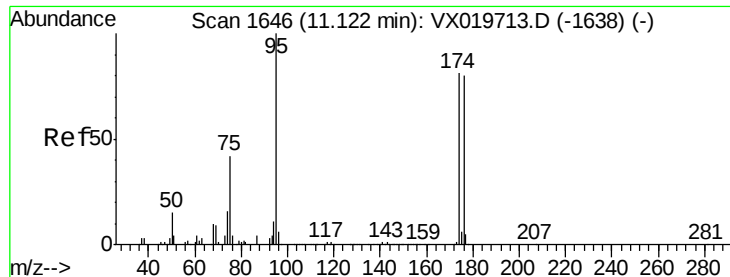
Tgt Ion: 43 Resp: 3254

Ion Ratio Lower Upper

43 100

58 60.1 30.9 92.8





#62

4-Bromofluorobenzene

Concen: 48.988 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019982.D

Acq: 14 Dec 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020

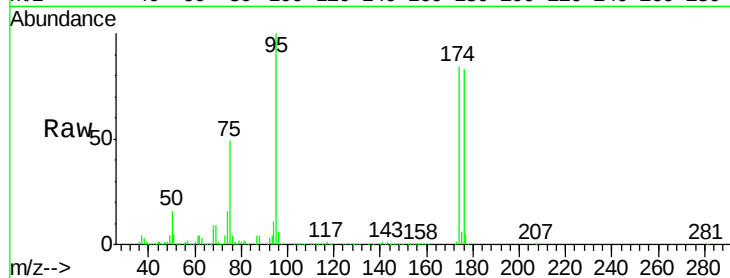
Tot Ion: 95 Resp: 229057

Ion Ratio Lower Upper

95 100

174 78.0 0.0 154.6

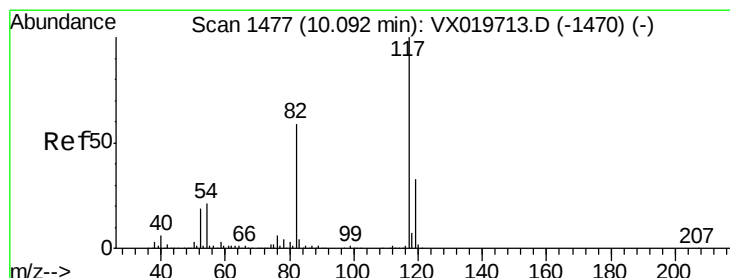
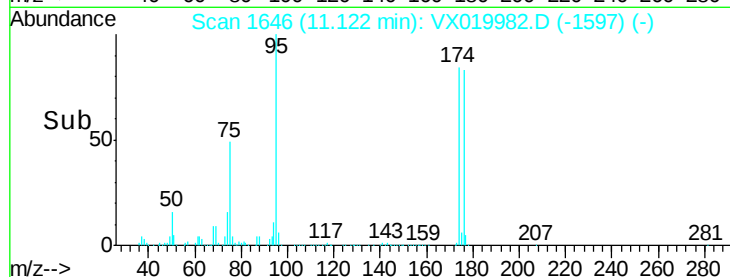
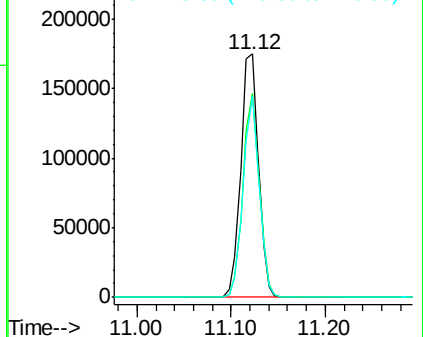
176 75.6 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX

Ion 173.80 (173.50 to 174.50): VX

Ion 175.80 (175.50 to 176.50): VX



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. 0.00 min

Lab File: VX019982.D

Acq: 14 Dec 2020 13:32

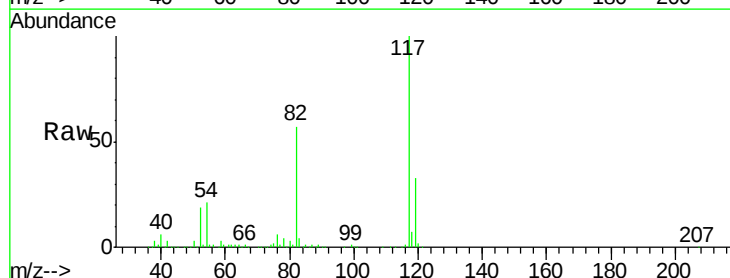
Tgt Ion: 117 Resp: 472161

Ion Ratio Lower Upper

117 100

82 57.1 47.4 71.2

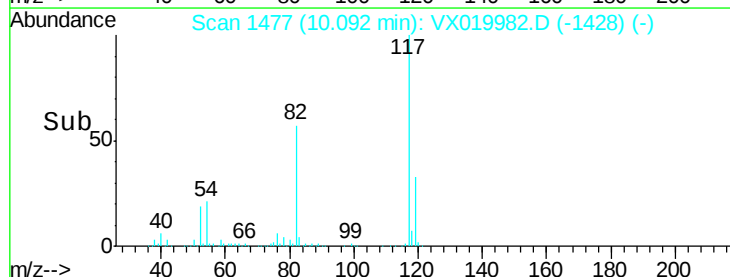
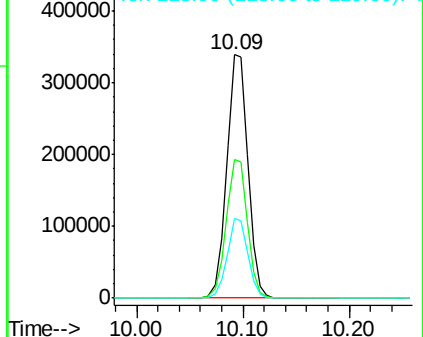
119 32.9 26.6 39.8

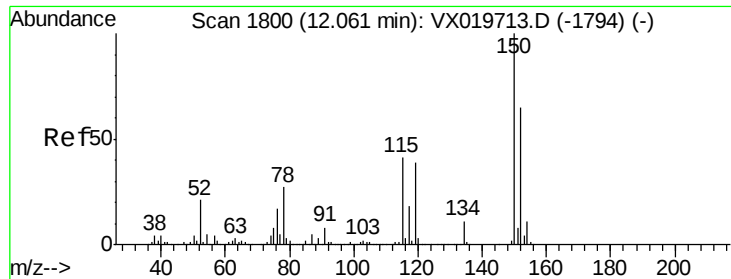


Abundance Ion 116.90 (116.60 to 117.60): VX

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): VX





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019982.D

Acq: 14 Dec 2020 13:32

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5229-121020

Tot Ion:152 Resp: 231567

Ion Ratio Lower Upper

152 100

115 59.6 41.1 123.3

150 154.3 0.0 349.0

