

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121420\
 Data File : VX019984.D
 Acq On : 14 Dec 2020 14:19
 Operator : JC/MD
 Sample : L5052-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5780-121020

Quant Time: Dec 15 14:49:02 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	305227	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	503218	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	456050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	192920	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	193111	48.14	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.28%
35) Dibromofluoromethane	5.46	113	157623	48.47	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.94%
50) Toluene-d8	8.70	98	609039	49.05	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.10%
62) 4-Bromofluorobenzene	11.12	95	209351	44.30	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.60%

Target Compounds

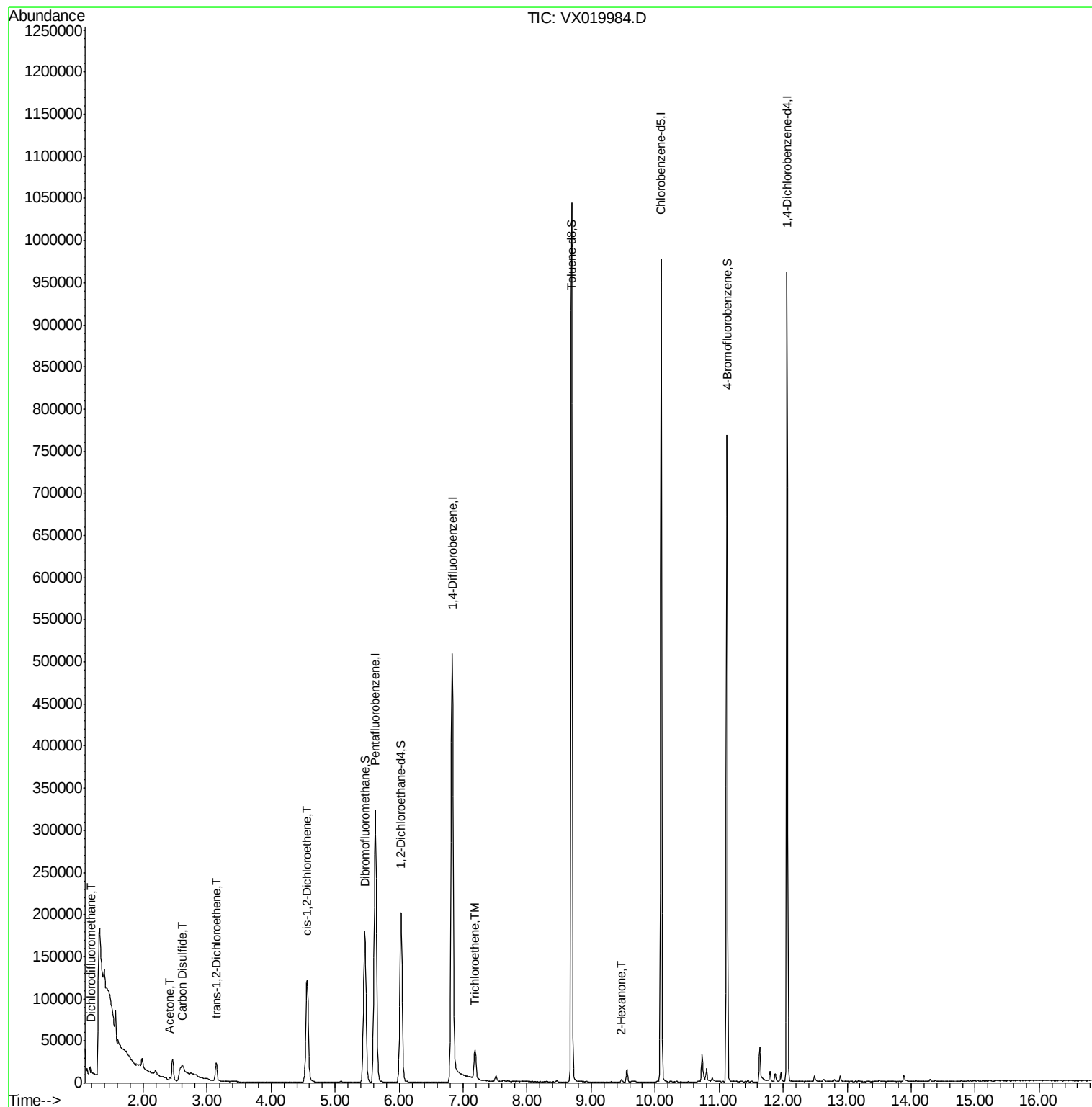
					Qvalue
2) Dichlorodifluoromethane	1.18	85	3444	1.232	ug/l 98
16) Acetone	2.42	43	2938	1.948	ug/l 99
17) Carbon Disulfide	2.61	76	74067	9.230	ug/l 95
21) trans-1,2-Dichloroethene	3.14	96	8700	2.668	ug/l 99
27) cis-1,2-Dichloroethene	4.56	96	80685	21.147	ug/l 90
44) Trichloroethene	7.18	130	12011	3.296	ug/l 99
59) 2-Hexanone	9.48	43	1836	0.520	ug/l 83

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

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TU032-32-5780-121020

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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: VX019984.D

Acq: 14 Dec 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

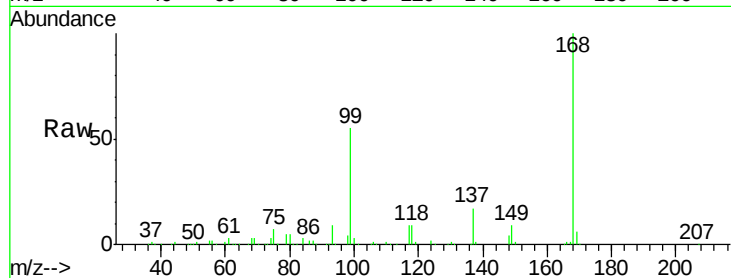
TU032-32-5780-121020

Tot Ion:168 Resp: 305227

Ion Ratio Lower Upper

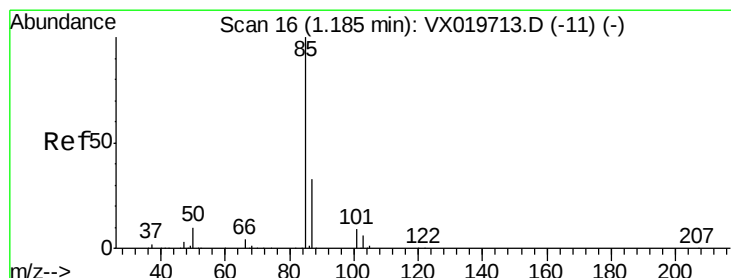
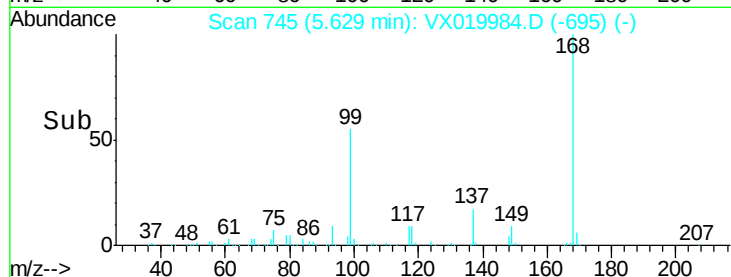
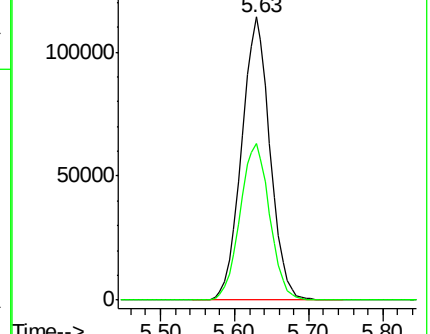
168 100

99 55.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 1.232 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019984.D

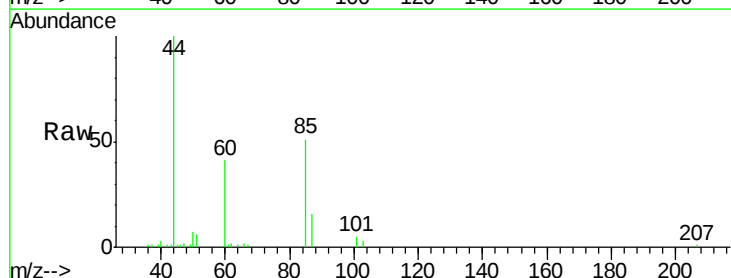
Acq: 14 Dec 2020 14:19

Tgt Ion: 85 Resp: 3444

Ion Ratio Lower Upper

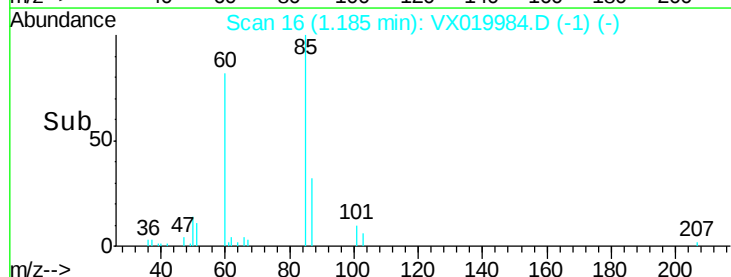
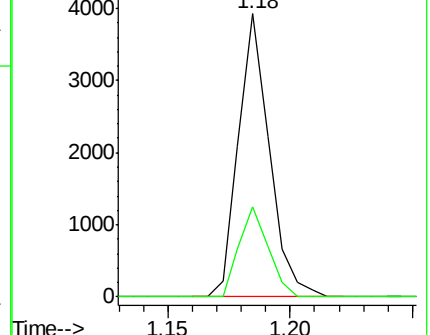
85 100

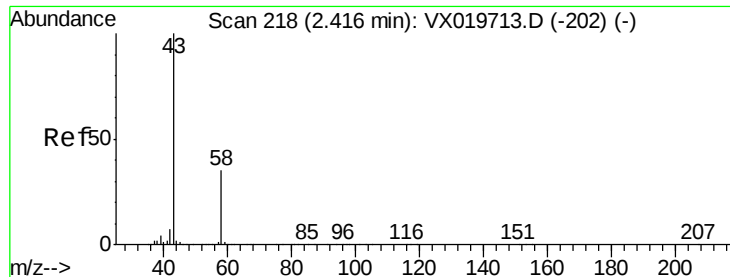
87 31.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#16

Acetone

Concen: 1.948 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019984.D

Acq: 14 Dec 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

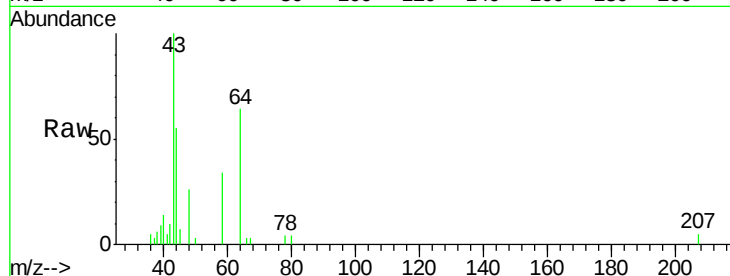
TU032-32-5780-121020

Tot Ion: 43 Resp: 2938

Ion Ratio Lower Upper

43 100

58 35.3 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

1500

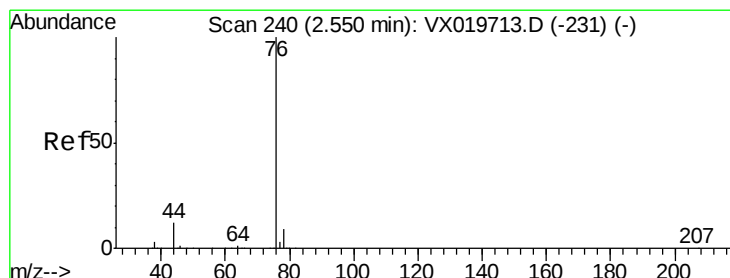
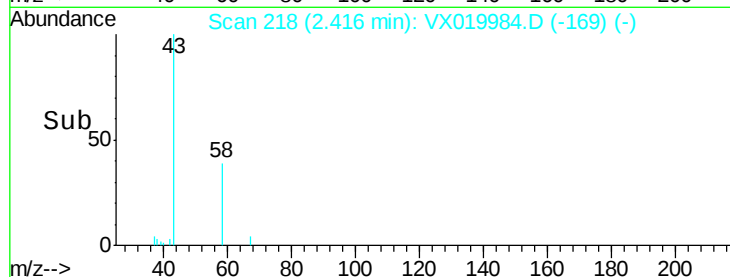
1000

500

0

2.35 2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 9.230 ug/l

RT: 2.61 min Scan# 250

Delta R.T. 0.06 min

Lab File: VX019984.D

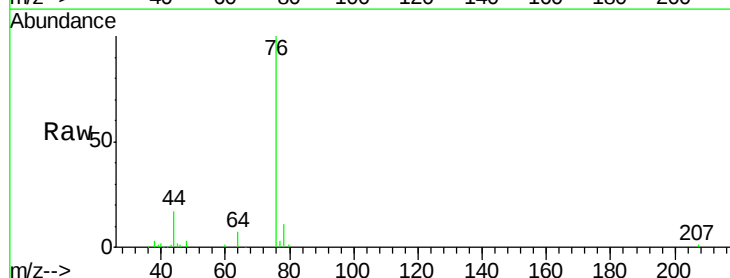
Acq: 14 Dec 2020 14:19

Tgt Ion: 76 Resp: 74067

Ion Ratio Lower Upper

76 100

78 10.6 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.61

15000

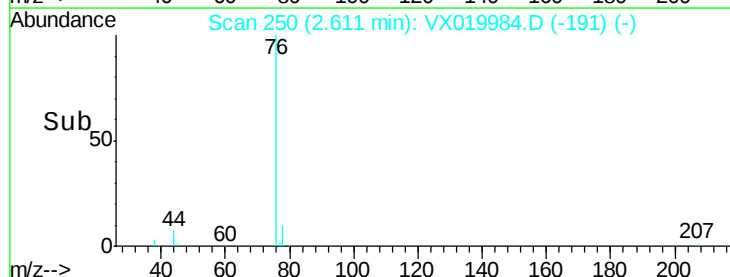
10000

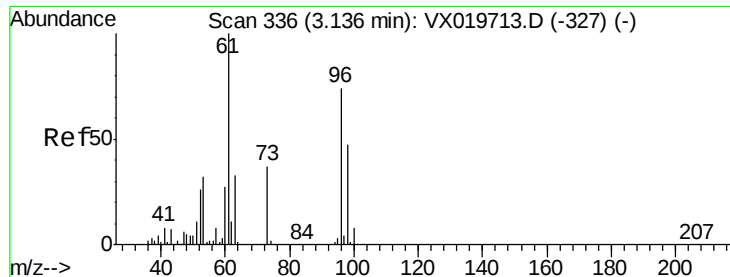
5000

0

2.50 2.60 2.70

Time-->





#21

trans-1,2-Dichloroethene

Concen: 2.668 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX019984.D

Acq: 14 Dec 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5780-121020

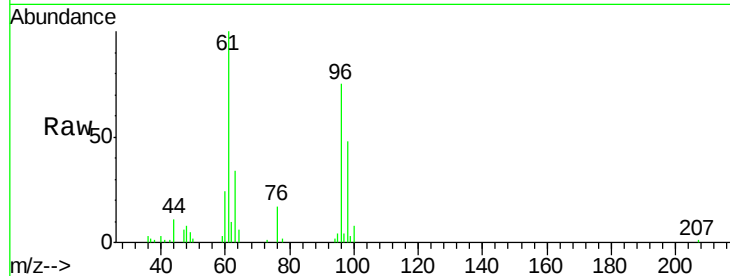
Tot Ion: 96 Resp: 8700

Ion Ratio Lower Upper

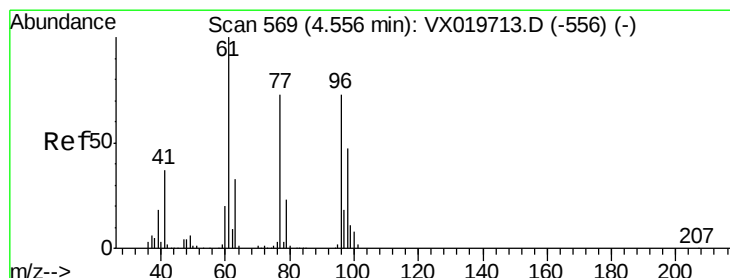
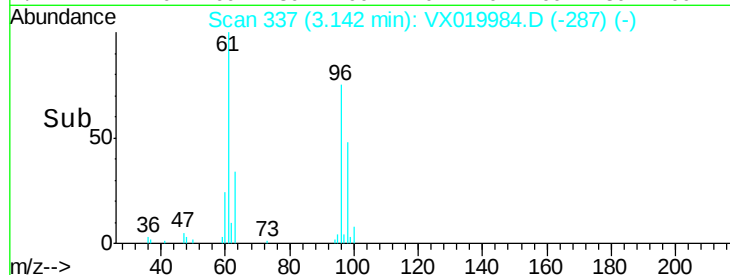
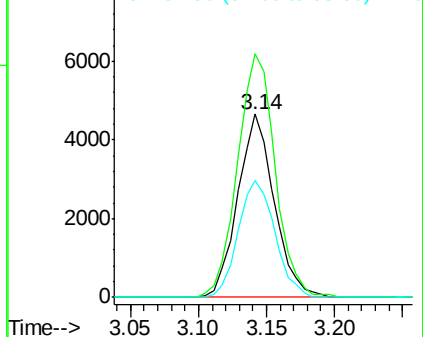
96 100

61 133.2 107.7 161.5

98 63.6 50.4 75.6



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: 21.147 ug/l

RT: 4.56 min Scan# 570

Delta R.T. 0.01 min

Lab File: VX019984.D

Acq: 14 Dec 2020 14:19

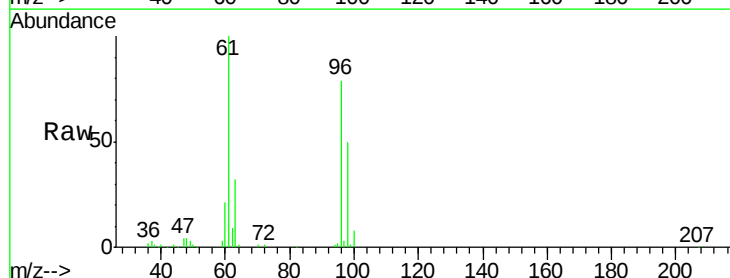
Tgt Ion: 96 Resp: 80685

Ion Ratio Lower Upper

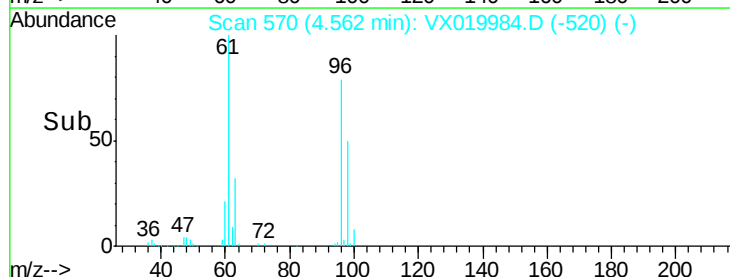
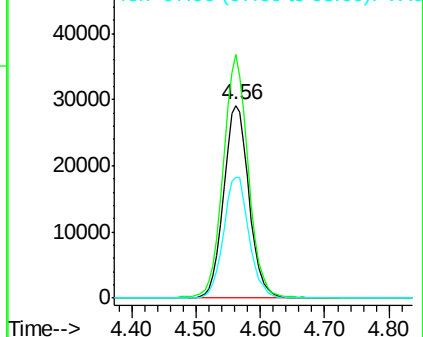
96 100

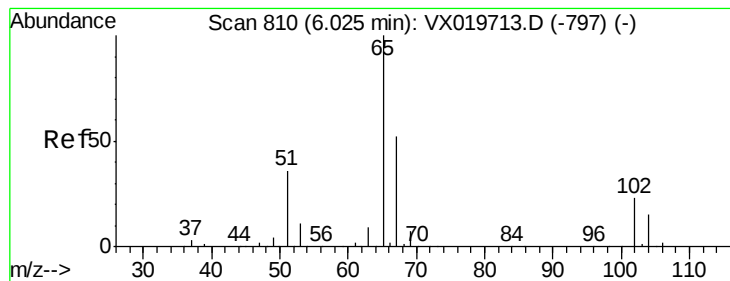
61 125.6 0.0 285.6

98 63.2 0.0 129.6



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: 48.138 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.00 min

Lab File: VX019984.D

Acq: 14 Dec 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

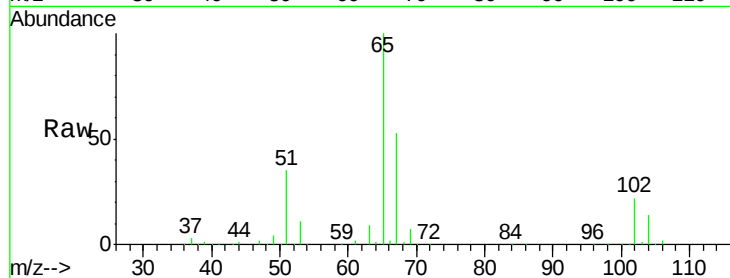
TU032-32-5780-121020

Tot Ion: 65 Resp: 193111

Ion Ratio Lower Upper

65 100

67 53.2 0.0 105.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

80000

60000

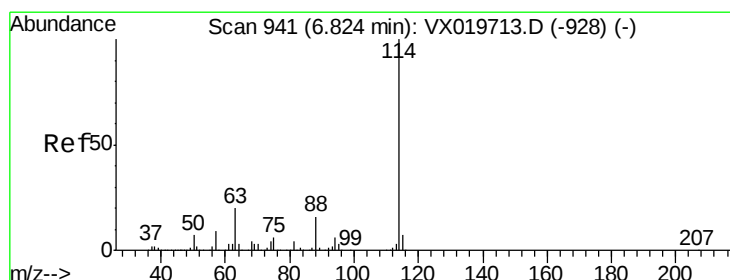
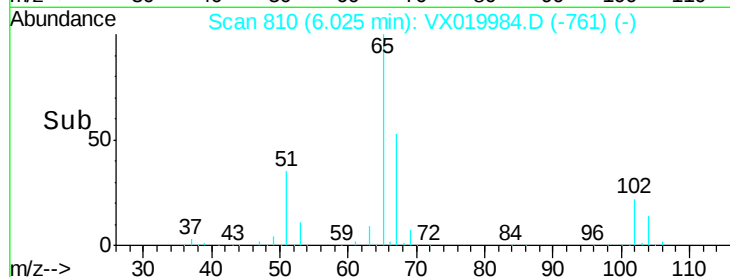
40000

20000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019984.D

Acq: 14 Dec 2020 14:19

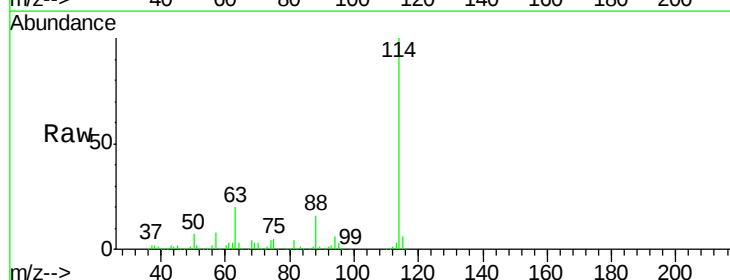
Tgt Ion: 114 Resp: 503218

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.8 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

6.83

300000

250000

200000

150000

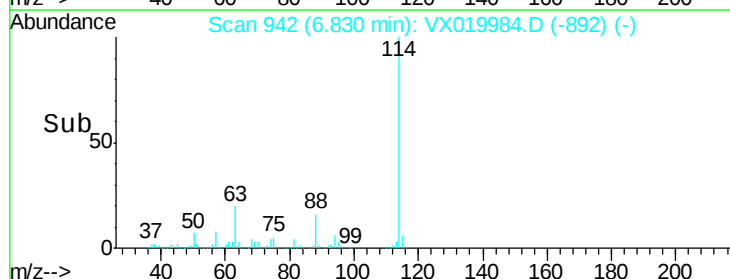
100000

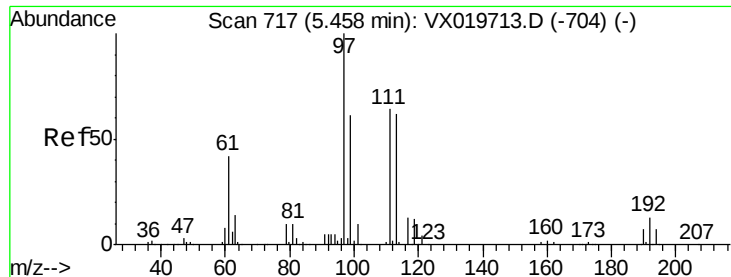
50000

0

Time-->

6.70 6.80 6.90 7.00

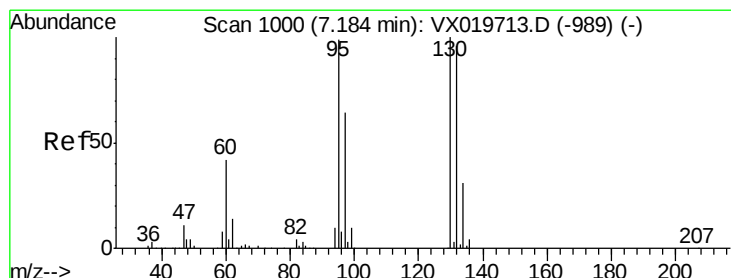
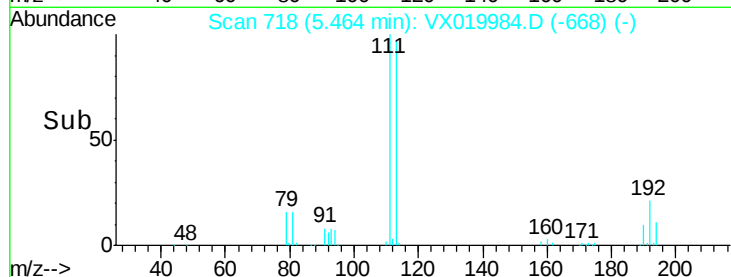
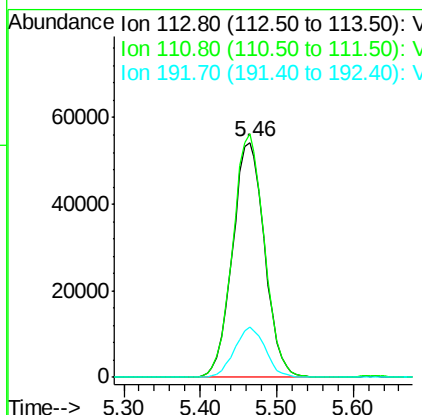
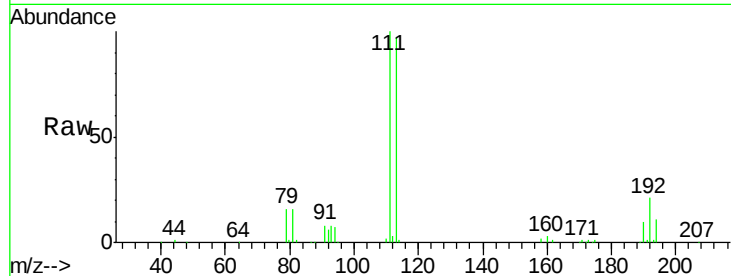




#35
 Dibromofluoromethane
 Concen: 48.466 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019984.D
 Acq: 14 Dec 2020 14:19

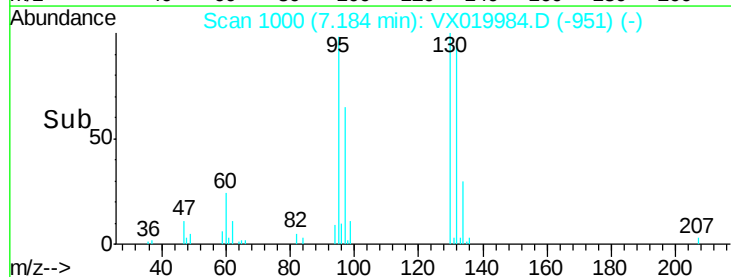
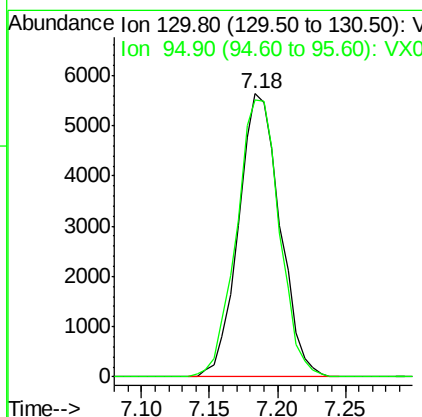
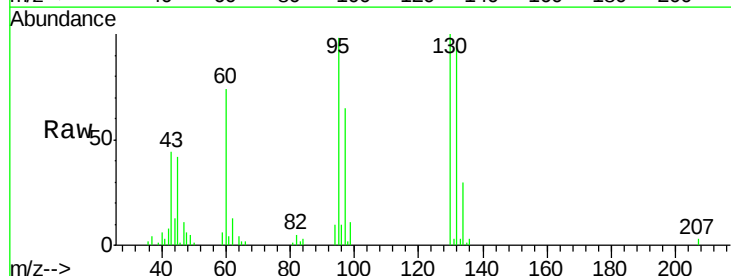
Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5780-121020

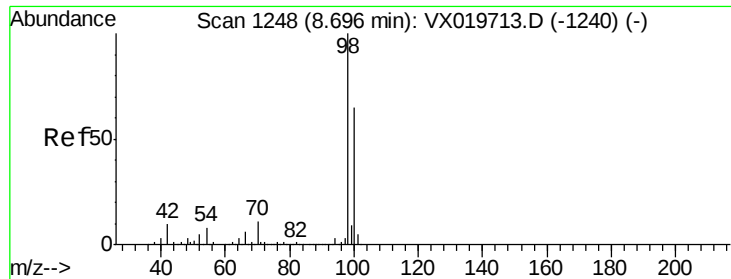
Tot Ion:113 Resp: 157623
 Ion Ratio Lower Upper
 113 100
 111 102.2 81.9 122.9
 192 20.6 16.7 25.1



#44
 Trichloroethene
 Concen: 3.296 ug/l
 RT: 7.18 min Scan# 1000
 Delta R.T. -0.00 min
 Lab File: VX019984.D
 Acq: 14 Dec 2020 14:19

Tgt Ion:130 Resp: 12011
 Ion Ratio Lower Upper
 130 100
 95 97.7 0.0 198.0

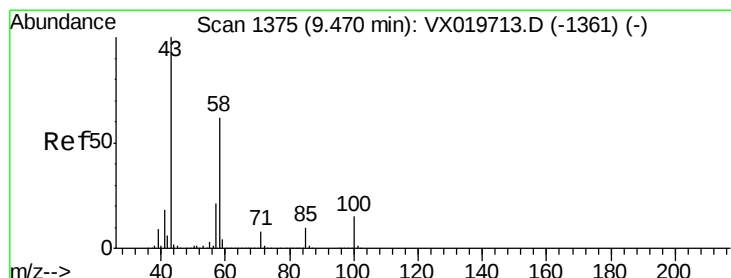
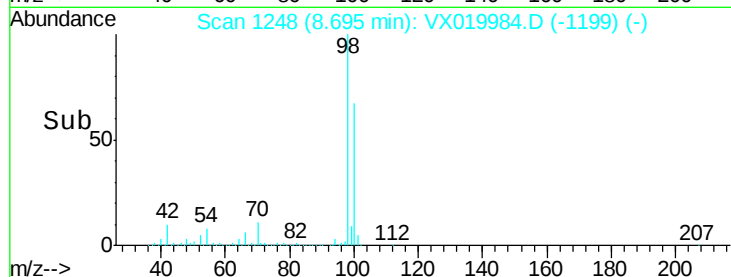
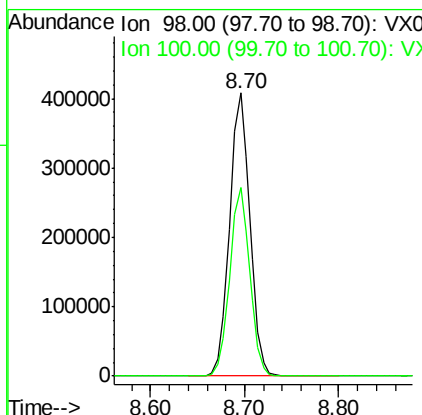
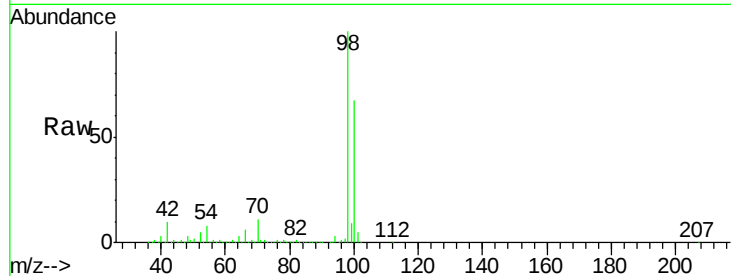




#50
Toluene-d8
Concen: 49.052 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019984.D
Acq: 14 Dec 2020 14:19

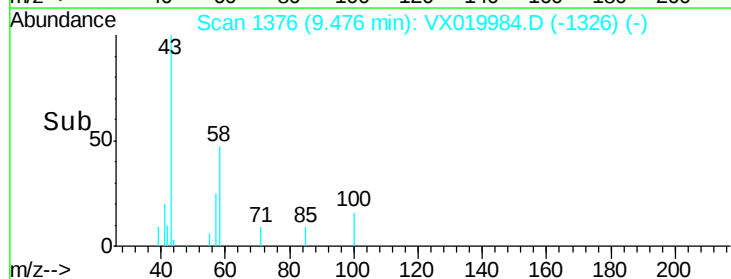
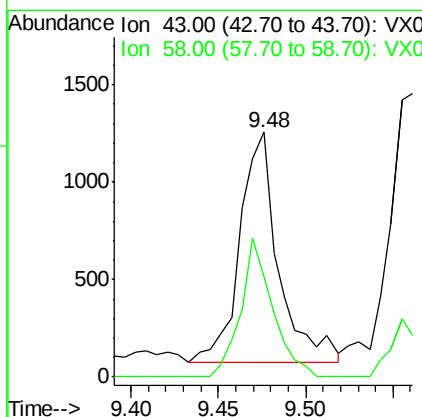
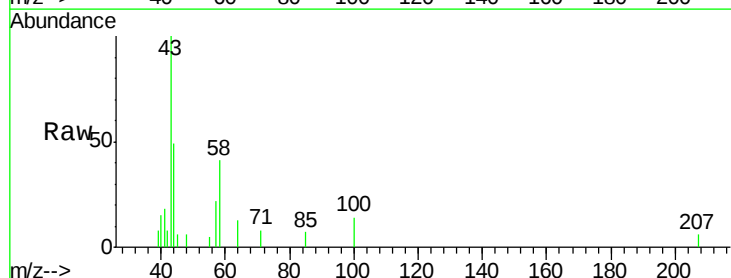
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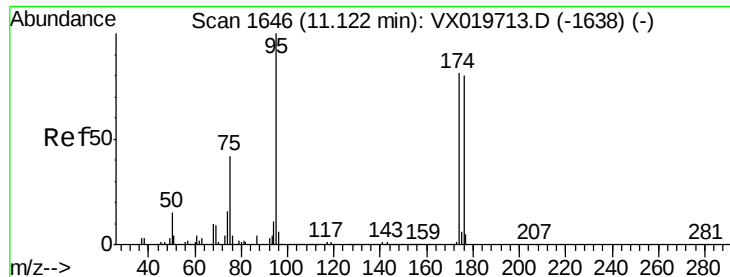
Tot Ion: 98 Resp: 609039
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9



#59
2-Hexanone
Concen: 0.520 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX019984.D
Acq: 14 Dec 2020 14:19

Tgt Ion: 43 Resp: 1836
Ion Ratio Lower Upper
43 100
58 49.2 30.9 92.8

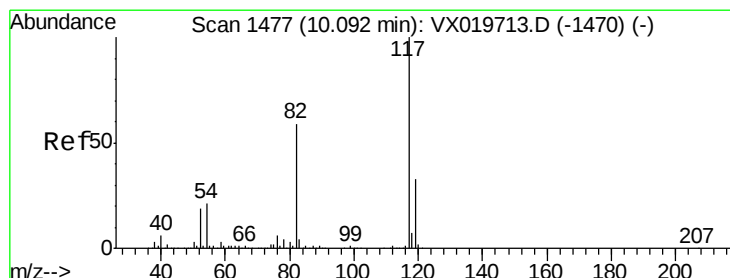
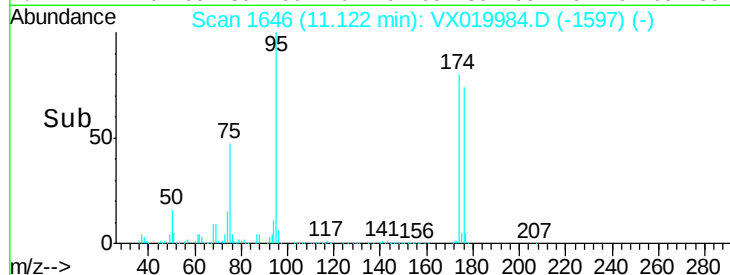
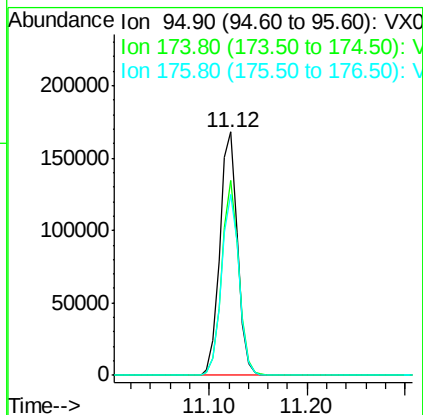
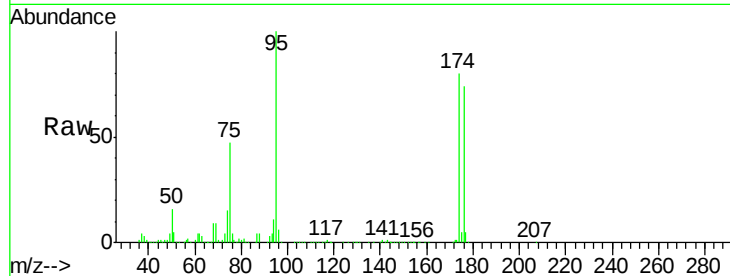




#62
4-Bromofluorobenzene
Concen: 44.300 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019984.D
Acq: 14 Dec 2020 14:19

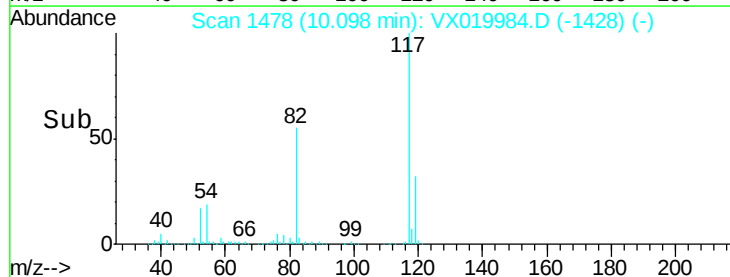
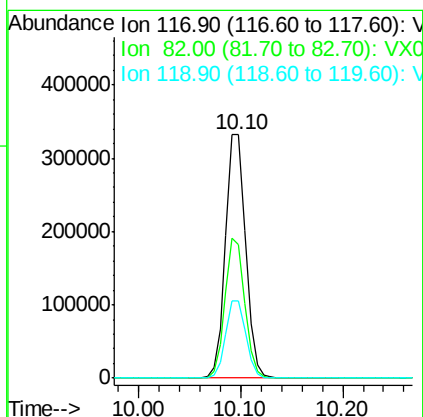
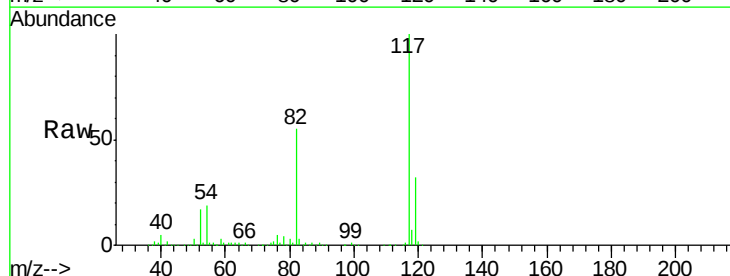
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5780-121020

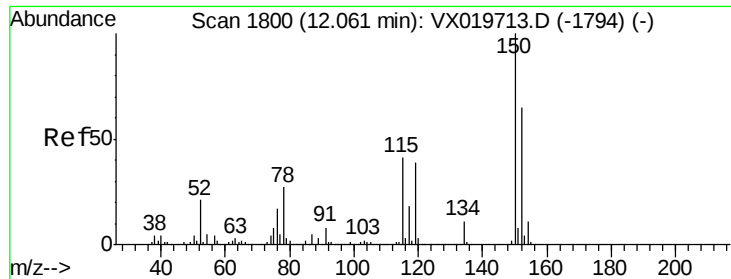
Tot Ion: 95 Resp: 209351
Ion Ratio Lower Upper
95 100
174 77.4 0.0 154.6
176 74.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019984.D
Acq: 14 Dec 2020 14:19

Tgt Ion: 117 Resp: 456050
Ion Ratio Lower Upper
117 100
82 54.7 47.4 71.2
119 32.0 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019984.D

Acq: 14 Dec 2020 14:19

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5780-121020

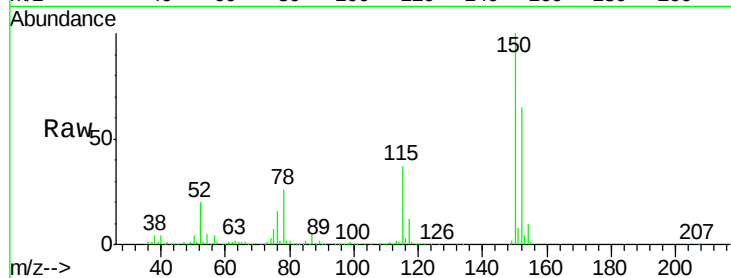
Tot Ion:152 Resp: 192920

Ion Ratio Lower Upper

152 100

115 59.7 41.1 123.3

150 158.4 0.0 349.0



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

