

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120920\
 Data File : VX019806.D
 Acq On : 10 Dec 2020 03:25
 Operator : JC/MD
 Sample : L4993-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5777-120820

Quant Time: Dec 10 06:45:50 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	311935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	521290	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	473822	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	205386	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	197988	48.29	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.58%	
35) Dibromofluoromethane		5.46	113	158199	46.96	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.92%	
50) Toluene-d8		8.70	98	628656	48.88	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.76%	
62) 4-Bromofluorobenzene		11.12	95	216396	44.20	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.40%	

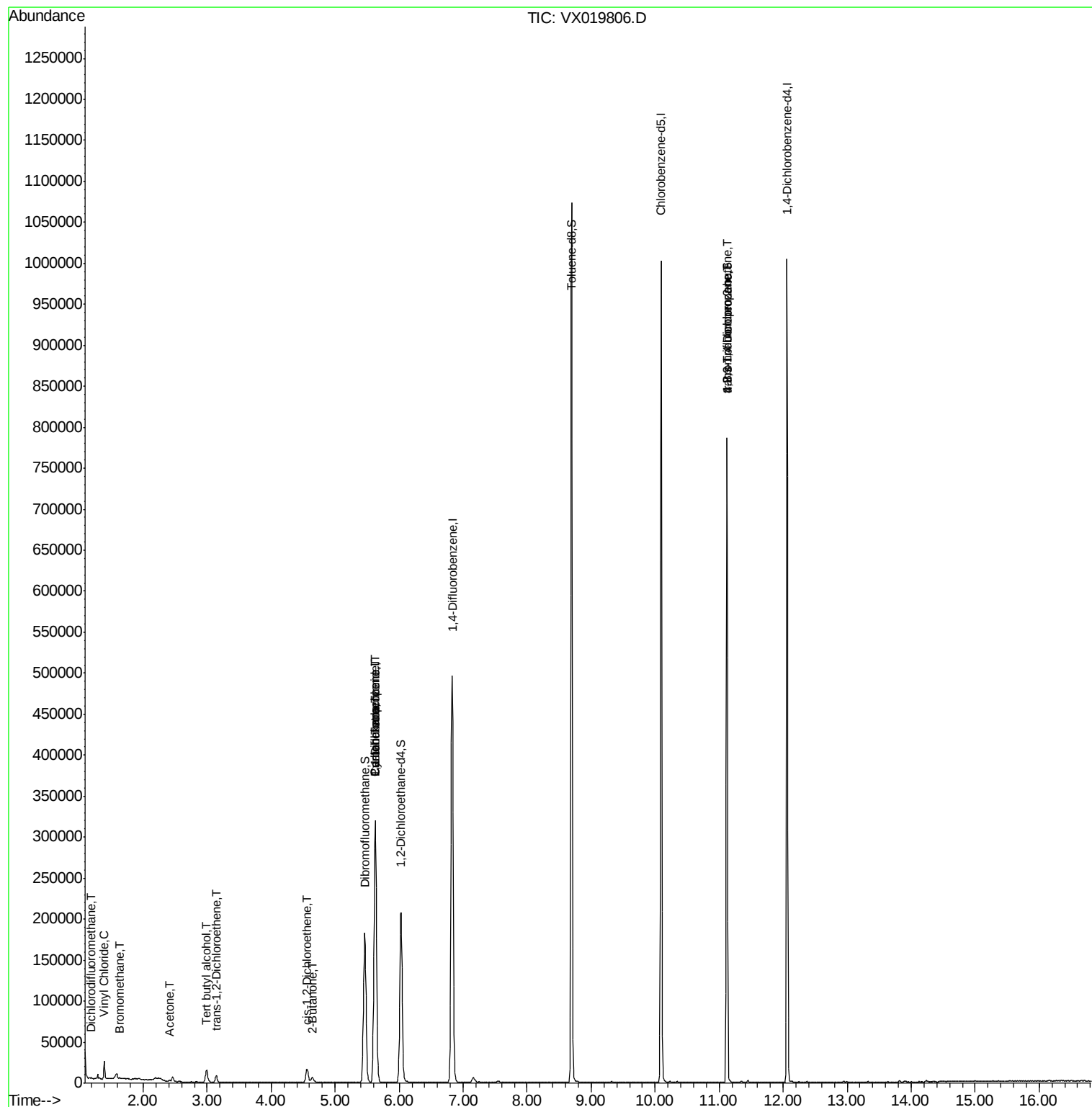
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	621	0.217	ug/l	86
4) Vinyl Chloride	1.39	62	12101	3.417	ug/l	99
5) Bromomethane	1.64	94	700	0.595	ug/l	98
11) Tert butyl alcohol	2.99	59	9464	8.706	ug/l #	77
16) Acetone	2.41	43	1478	0.959	ug/l	95
20) Methylene Chloride	2.84	84	264	Below Cal	#	81
21) trans-1,2-Dichloroethene	3.14	96	3487	1.047	ug/l	91
25) 2-Butanone	4.64	43	499	0.211	ug/l #	45
27) cis-1,2-Dichloroethene	4.56	96	10881	2.790	ug/l	89
31) Cyclohexane	5.62	56	5992	1.175	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23737	5.039	ug/l #	49
38) Carbon Tetrachloride	5.63	117	30653	6.645	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	105785	22.965	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	105785	66.386	ug/l #	12

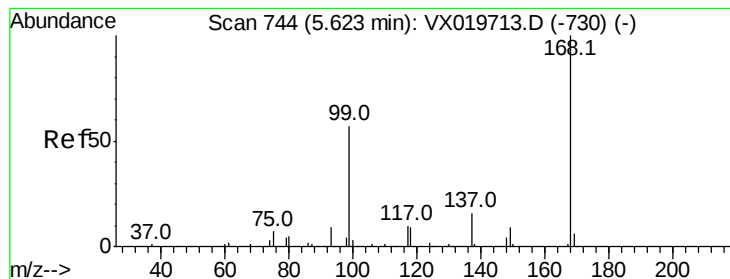
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX120920\
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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: VX019806.D

Acq: 10 Dec 2020 03:25

Instrument :

MSVOA_X

ClientSampleId :

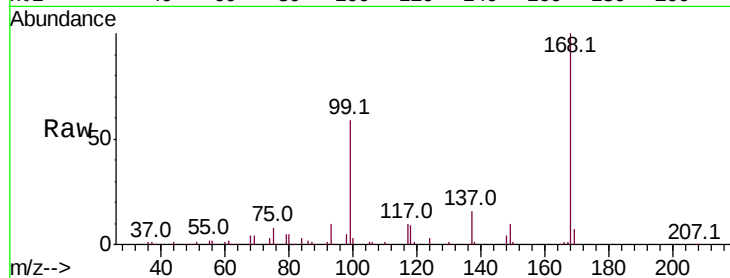
TU032-32-5777-120820

Tot Ion:168 Resp: 311935

Ion Ratio Lower Upper

168 100

99 59.2 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

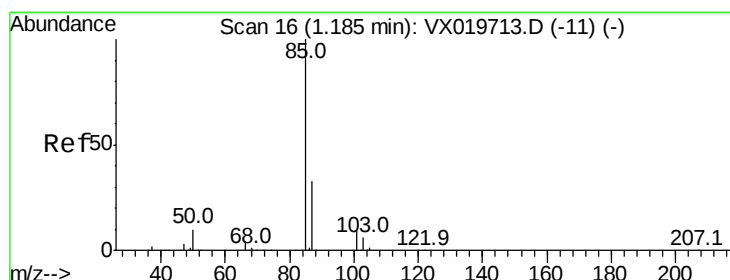
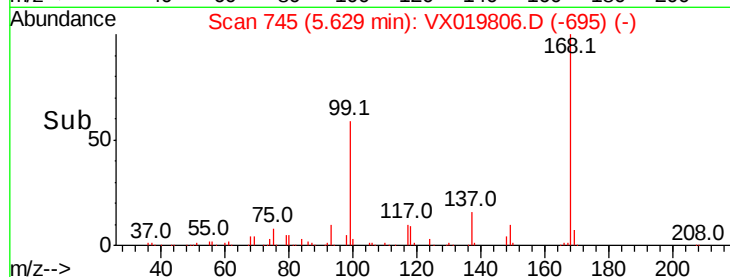
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 0.217 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX019806.D

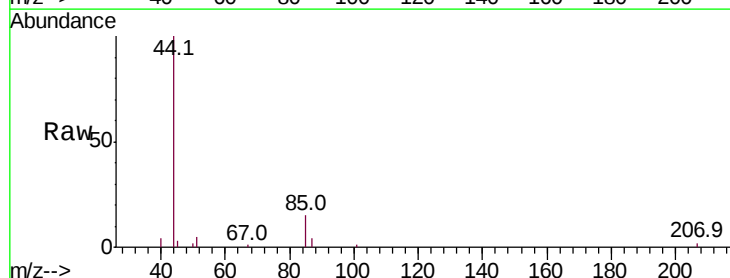
Acq: 10 Dec 2020 03:25

Tgt Ion: 85 Resp: 621

Ion Ratio Lower Upper

85 100

87 24.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.18

800

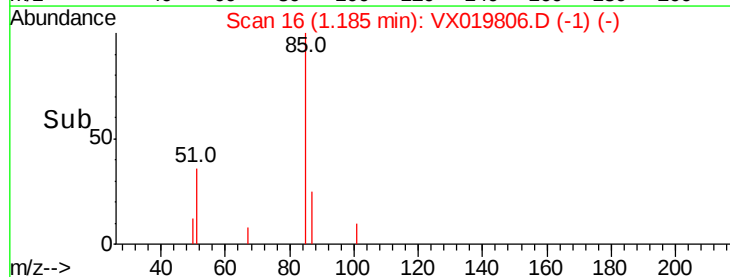
600

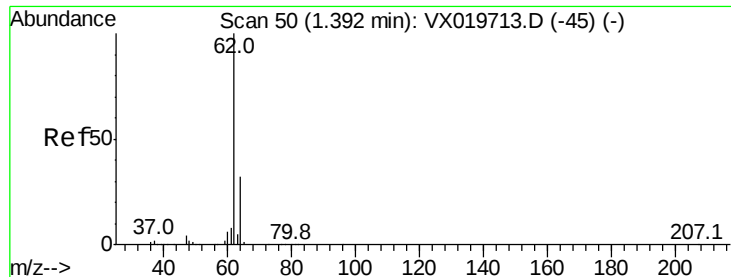
400

200

0

Time--> 1.14 1.16 1.18 1.20 1.22





#4

Vinyl Chloride

Concen: 3.417 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX019806.D

Acq: 10 Dec 2020 03:25

Instrument :

MSVOA_X

ClientSampleId :

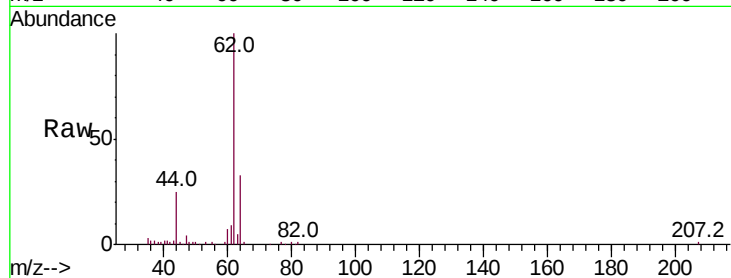
TU032-32-5777-120820

Tot Ion: 62 Resp: 12101

Ion Ratio Lower Upper

62 100

64 32.8 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

15000

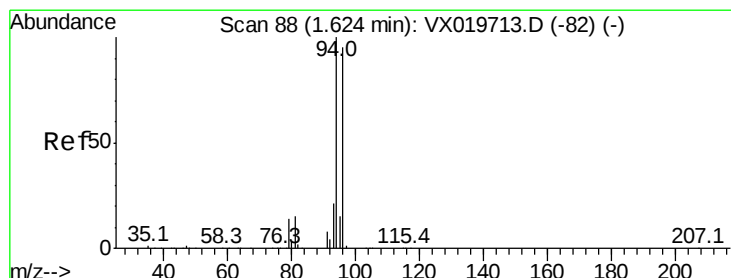
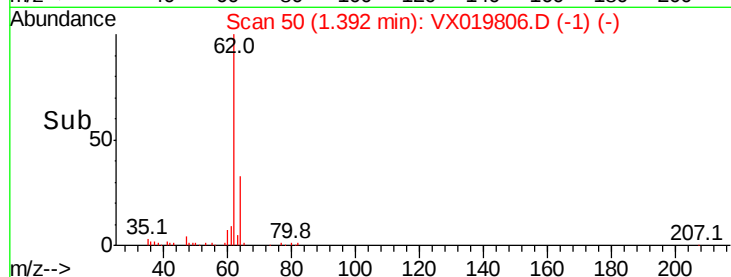
10000

5000

0

Time-->

1.35 1.40 1.45



#5

Bromomethane

Concen: 0.595 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019806.D

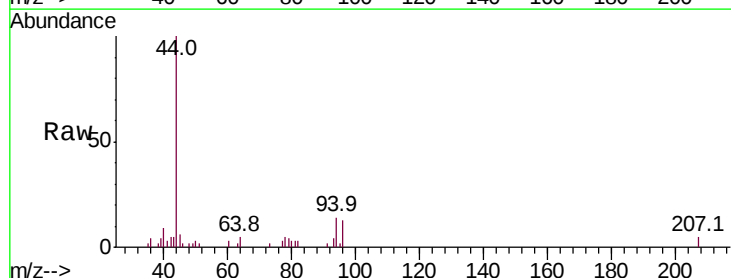
Acq: 10 Dec 2020 03:25

Tgt Ion: 94 Resp: 700

Ion Ratio Lower Upper

94 100

96 94.0 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

500

400

300

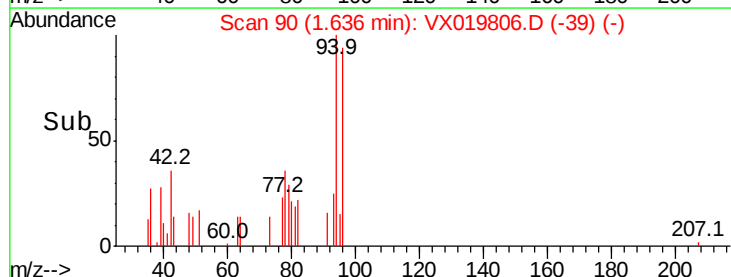
200

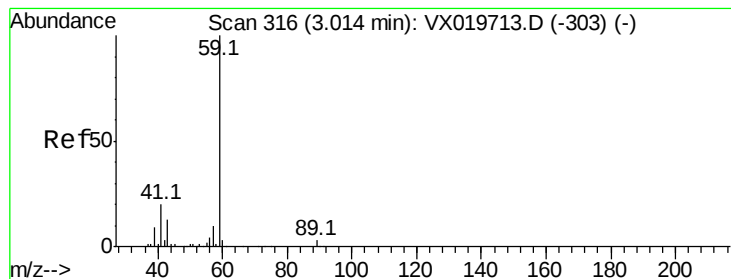
100

0

Time-->

1.60 1.65 1.70



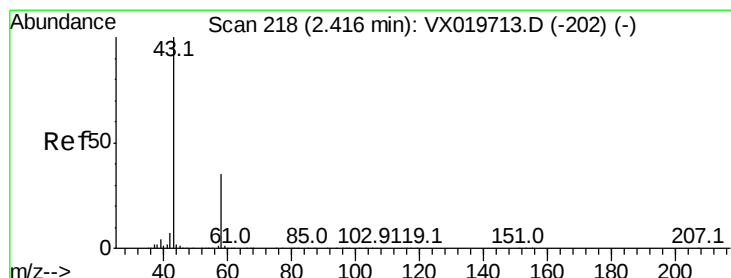
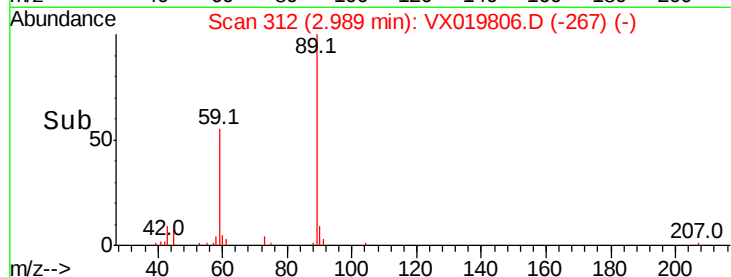
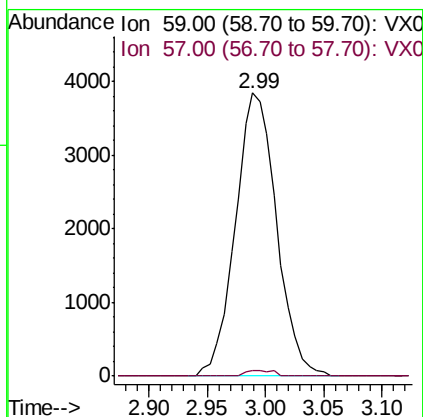
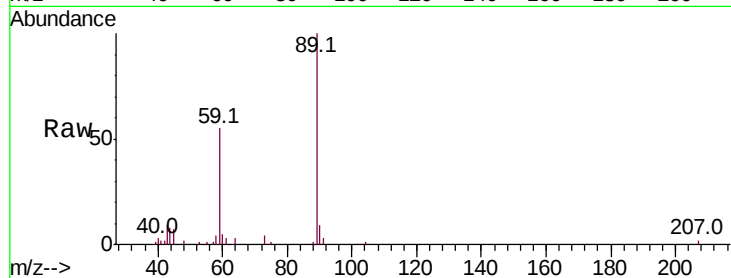


#11

Tert butyl alcohol
Concen: 8.706 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX019806.D
Acq: 10 Dec 2020 03:25

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5777-120820

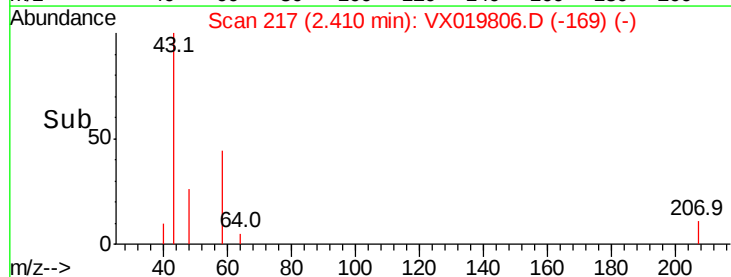
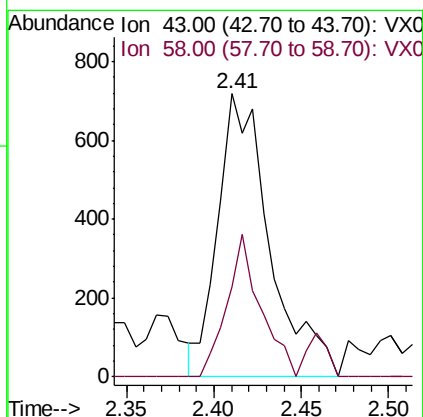
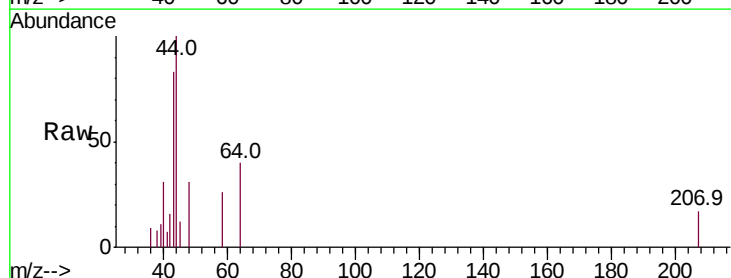
Tot Ion: 59 Resp: 9464
Ion Ratio Lower Upper
59 100
57 1.3 7.8 11.8#

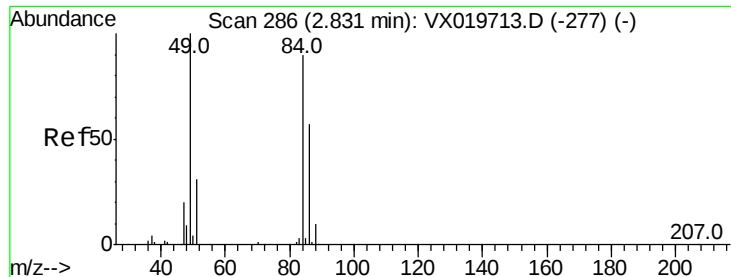


#16

Acetone
Concen: 0.959 ug/l
RT: 2.41 min Scan# 217
Delta R.T. -0.01 min
Lab File: VX019806.D
Acq: 10 Dec 2020 03:25

Tgt Ion: 43 Resp: 1478
Ion Ratio Lower Upper
43 100
58 31.6 27.8 41.8

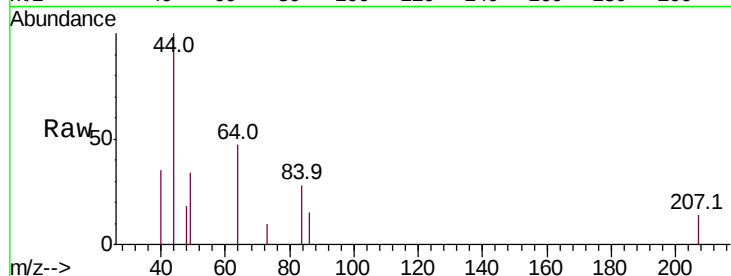




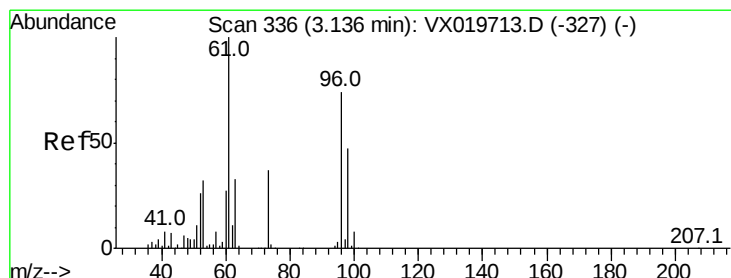
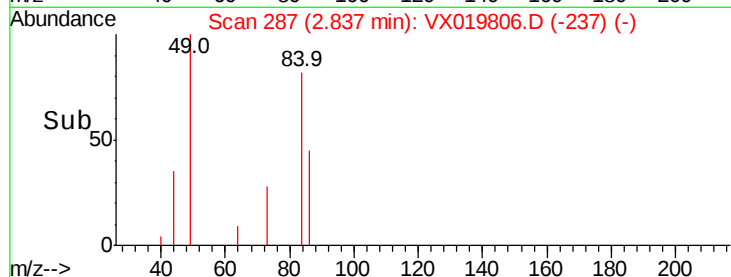
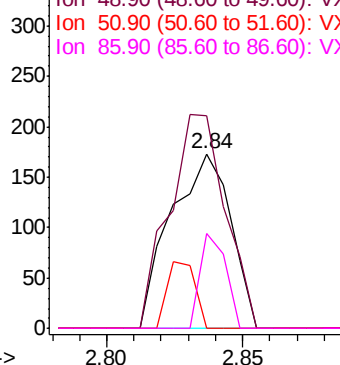
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX019806.D
Acq: 10 Dec 2020 03:25

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5777-120820

Tot Ion: 84 Resp: 264
Ion Ratio Lower Upper
84 100
49 122.0 88.6 132.8
51 0.0 27.0 40.6#
86 54.3 50.3 75.5

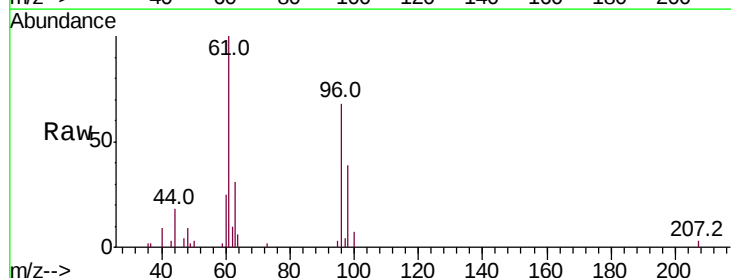


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

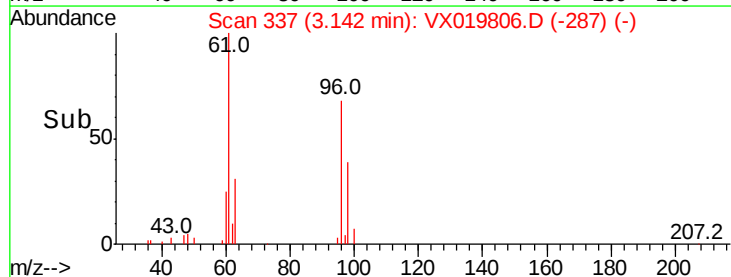
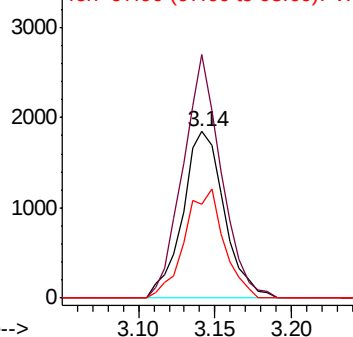


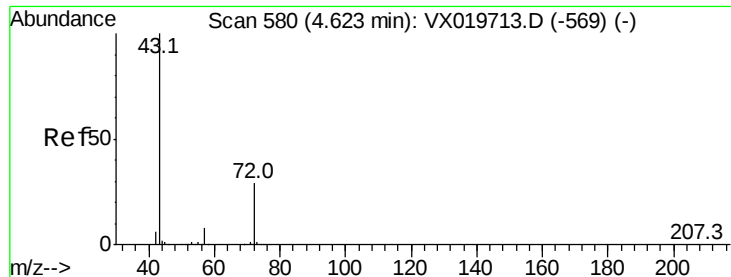
#21
trans-1,2-Dichloroethene
Concen: 1.047 ug/l
RT: 3.14 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX019806.D
Acq: 10 Dec 2020 03:25

Tgt Ion: 96 Resp: 3487
Ion Ratio Lower Upper
96 100
61 146.4 107.7 161.5
98 56.4 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





#25

2-Butanone

Concen: 0.211 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.02 min

Lab File: VX019806.D

Acq: 10 Dec 2020 03:25

Instrument :

MSVOA_X

ClientSampleId :

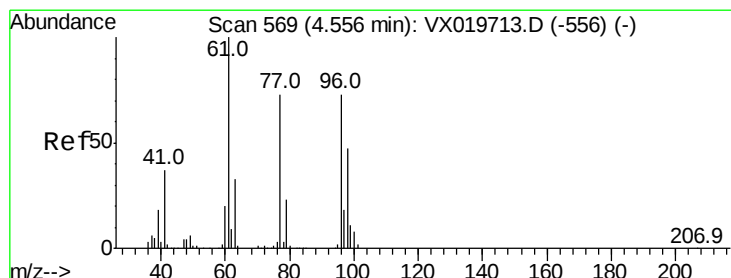
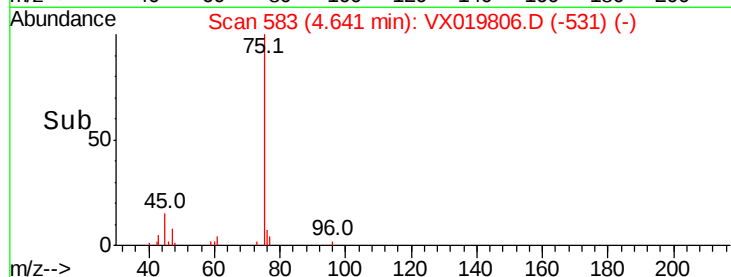
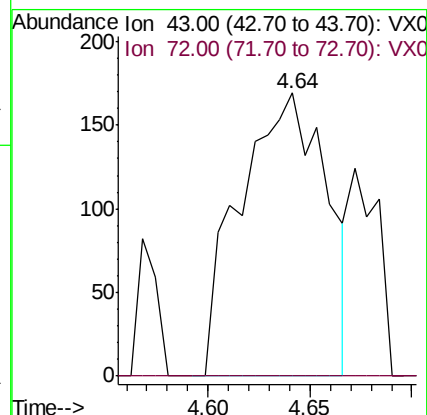
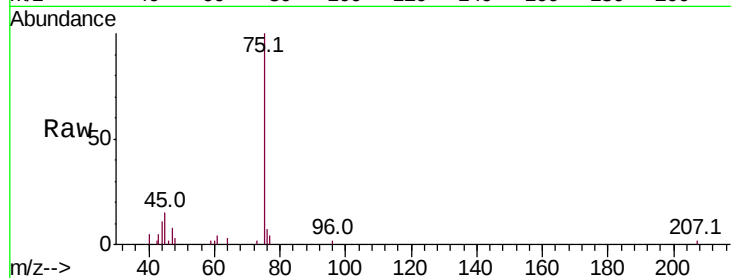
TU032-32-5777-120820

Tot Ion: 43 Resp: 499

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#27

cis-1,2-Dichloroethene

Concen: 2.790 ug/l

RT: 4.56 min Scan# 570

Delta R.T. 0.01 min

Lab File: VX019806.D

Acq: 10 Dec 2020 03:25

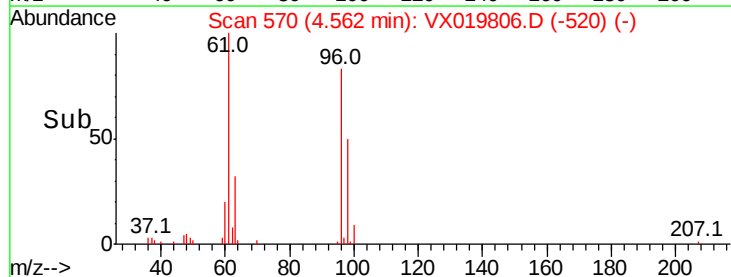
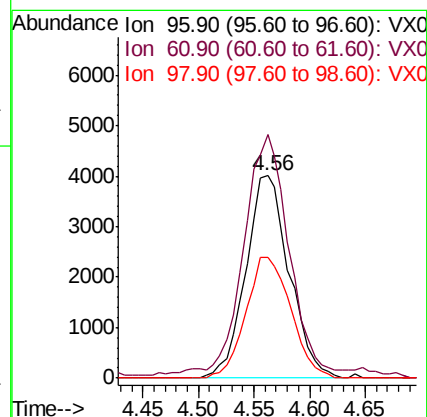
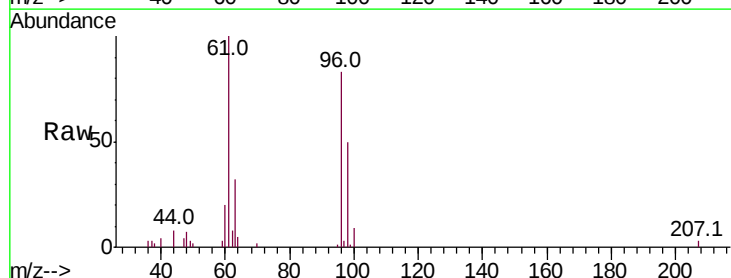
Tgt Ion: 96 Resp: 10881

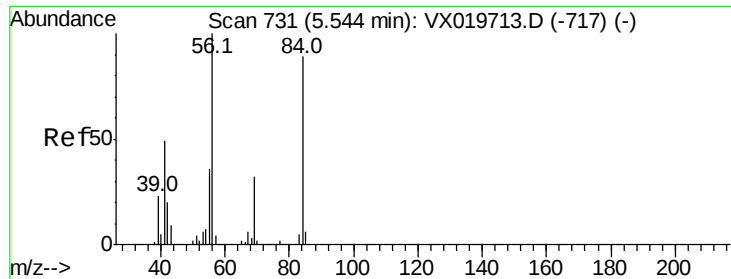
Ion Ratio Lower Upper

96 100

61 125.5 0.0 285.6

98 61.6 0.0 129.6

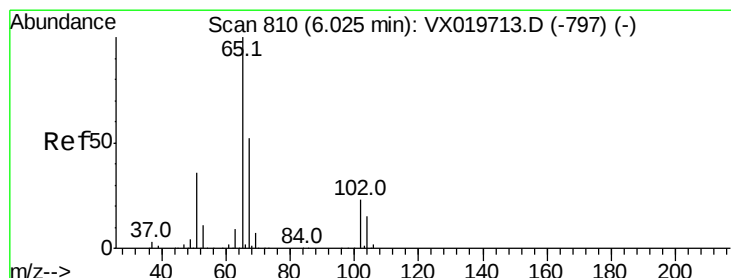
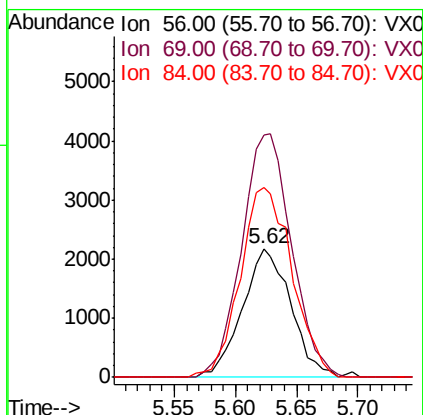
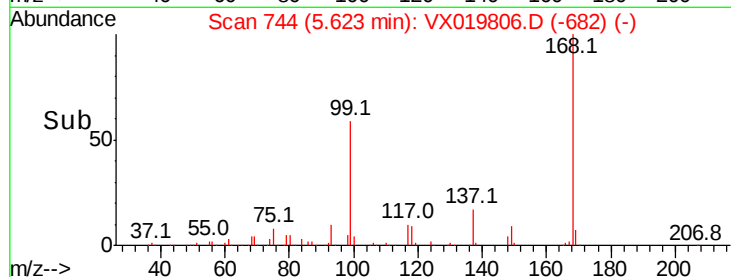
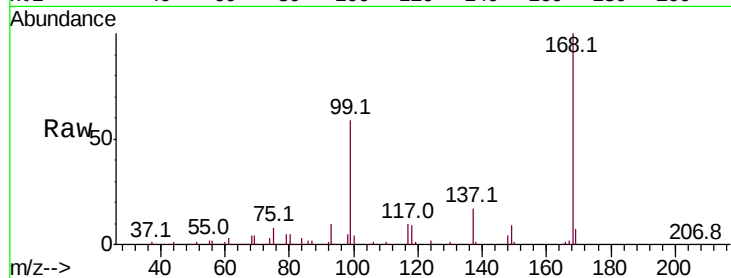




#31
Cyclohexane
Concen: 1.175 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.08 min
Lab File: VX019806.D
Acq: 10 Dec 2020 03:25

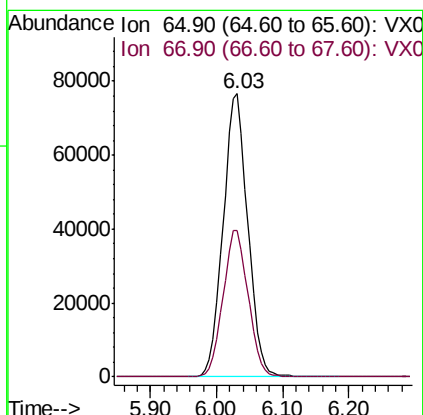
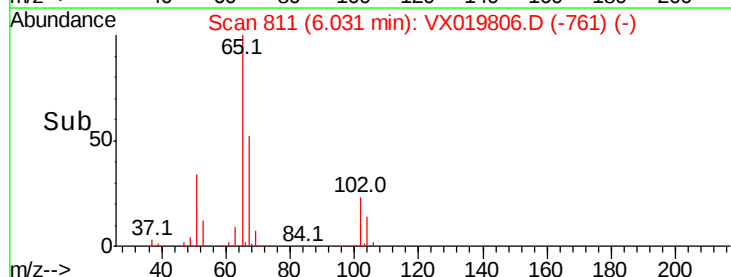
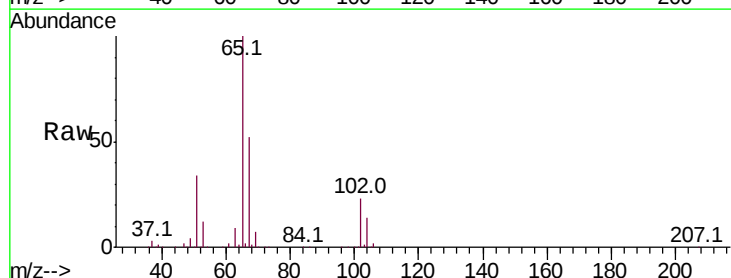
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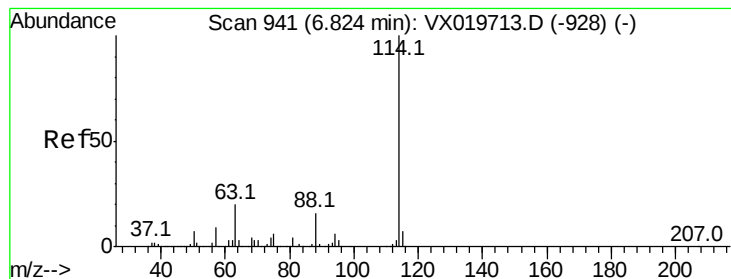
Tot Ion: 56 Resp: 5992
Ion Ratio Lower Upper
56 100
69 187.4 25.3 37.9#
84 147.5 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 48.293 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.01 min
Lab File: VX019806.D
Acq: 10 Dec 2020 03:25

Tgt Ion: 65 Resp: 197988
Ion Ratio Lower Upper
65 100
67 52.7 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: VX019806.D

Acq: 10 Dec 2020 03:25

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5777-120820

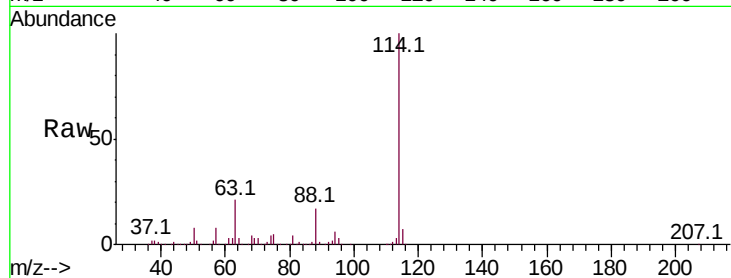
Tot Ion:114 Resp: 521290

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

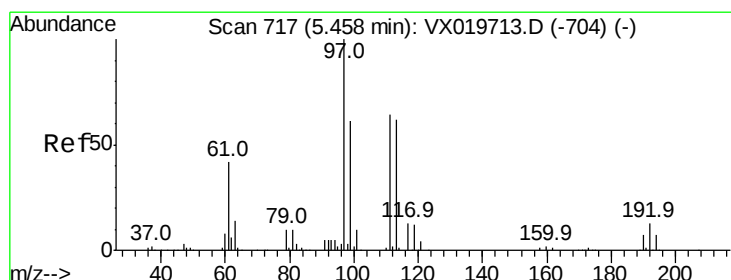
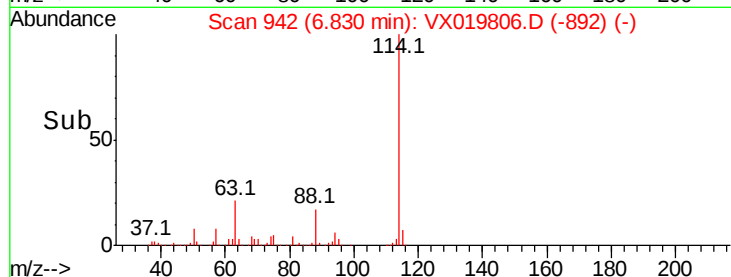
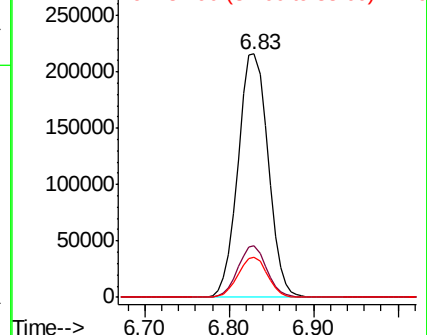
88 16.6 0.0 32.8



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: 46.957 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019806.D

Acq: 10 Dec 2020 03:25

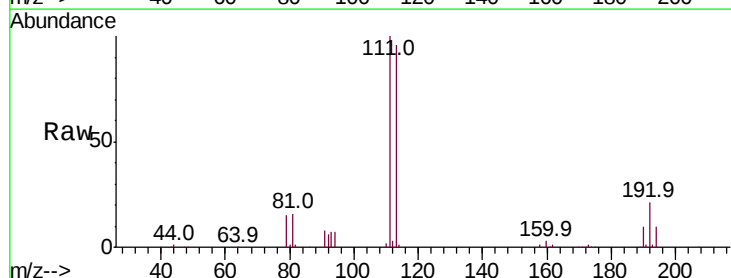
Tgt Ion:113 Resp: 158199

Ion Ratio Lower Upper

113 100

111 103.4 81.9 122.9

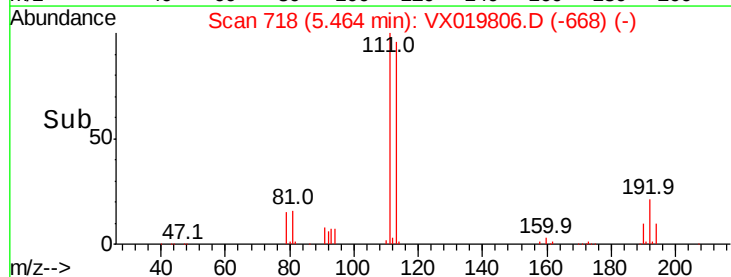
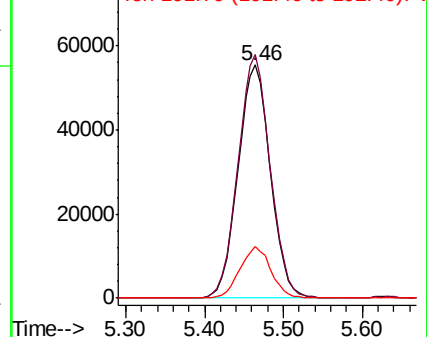
192 21.2 16.7 25.1

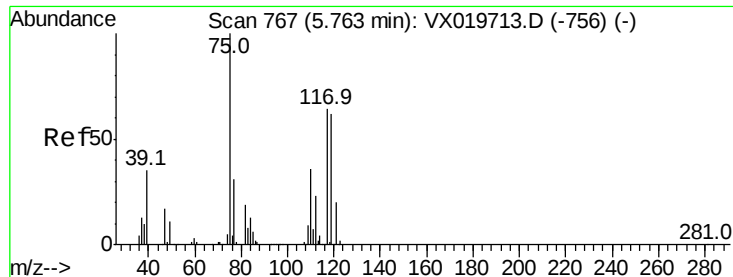


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.039 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019806.D

Acq: 10 Dec 2020 03:25

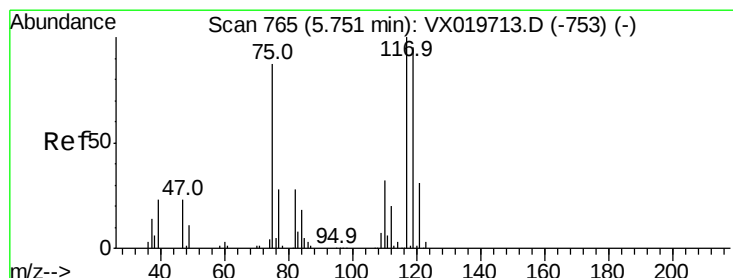
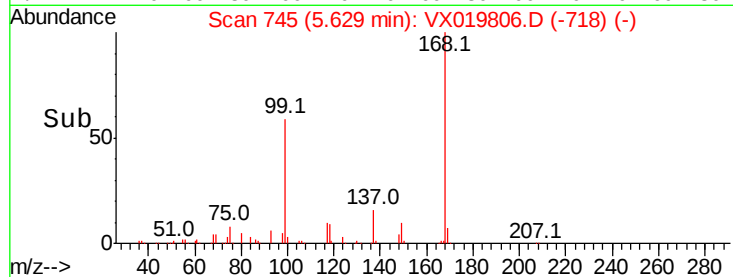
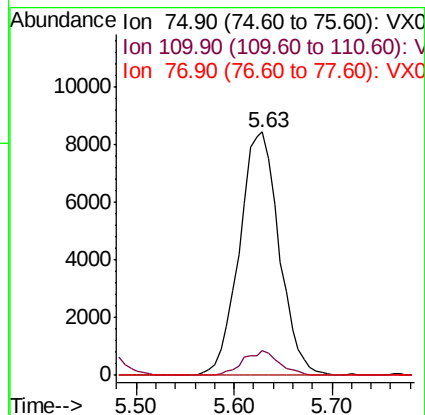
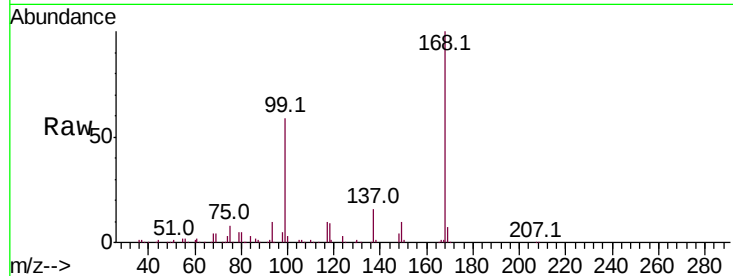
Instrument :

MSVOA_X

ClientSampleId :

TU032-32-5777-120820

Tot Ion:	75	Resp:	23737
Ion	Ratio	Lower	Upper
75	100		
110	9.2	18.1	54.4#
77	0.0	25.3	37.9#



#38

Carbon Tetrachloride

Concen: 6.645 ug/l

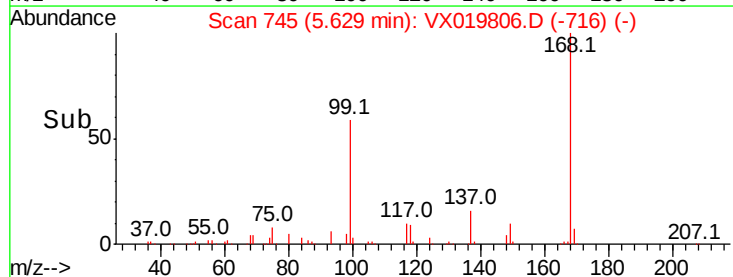
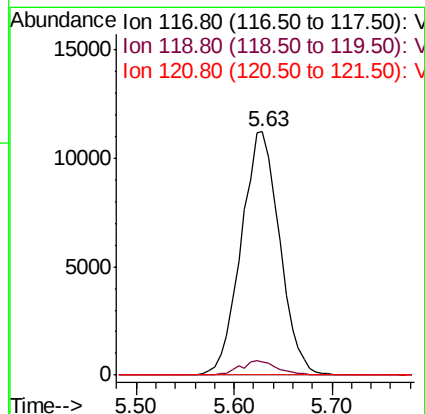
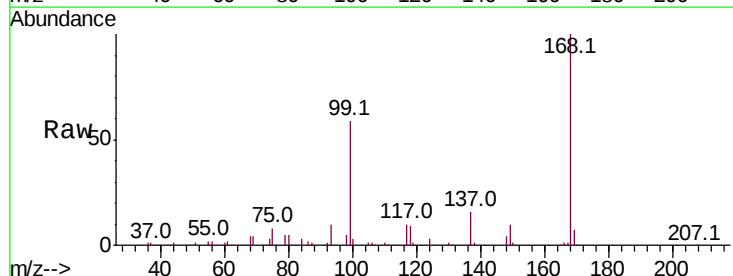
RT: 5.63 min Scan# 745

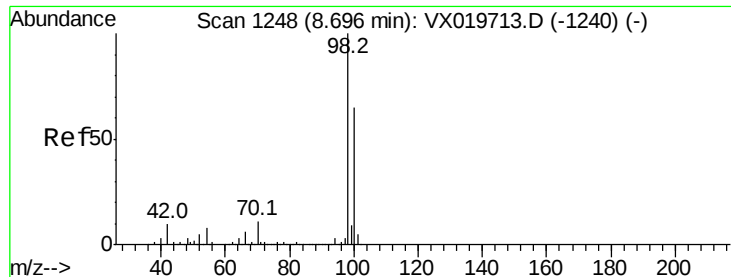
Delta R.T. -0.12 min

Lab File: VX019806.D

Acq: 10 Dec 2020 03:25

Tgt Ion:	117	Resp:	30653
Ion	Ratio	Lower	Upper
117	100		
119	5.4	76.2	114.2#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 48.877 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019806.D

Acq: 10 Dec 2020 03:25

Instrument :

MSVOA_X

ClientSampleId :

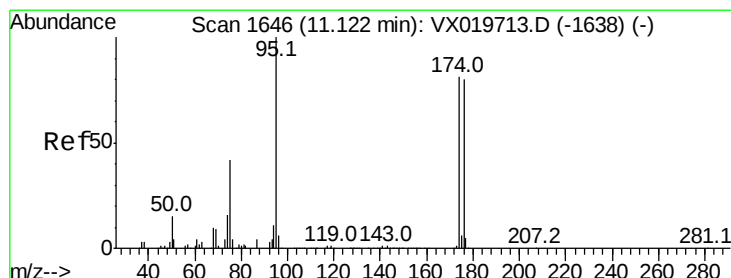
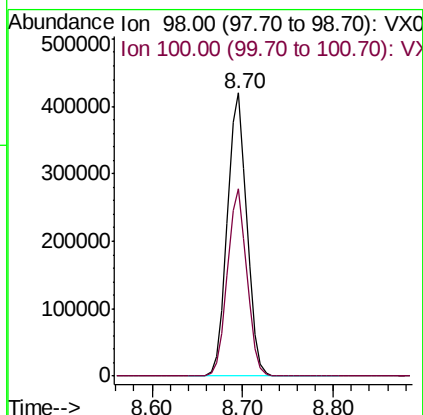
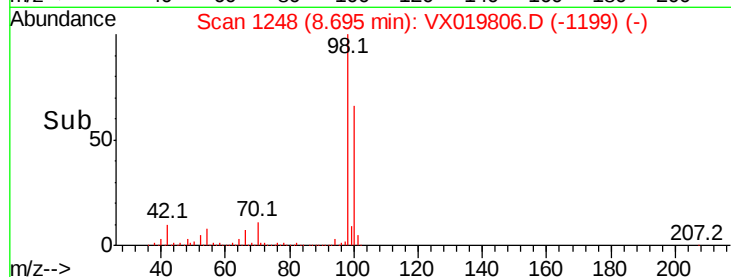
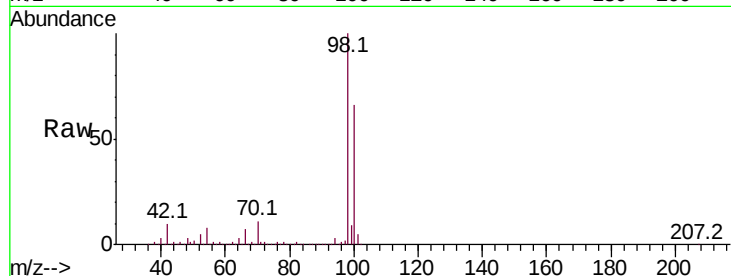
TU032-32-5777-120820

Tot Ion: 98 Resp: 628656

Ion Ratio Lower Upper

98 100

100 65.7 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 44.203 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019806.D

Acq: 10 Dec 2020 03:25

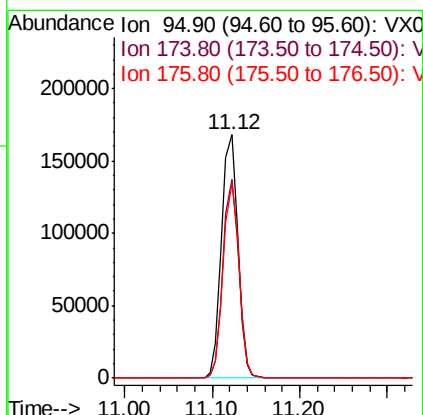
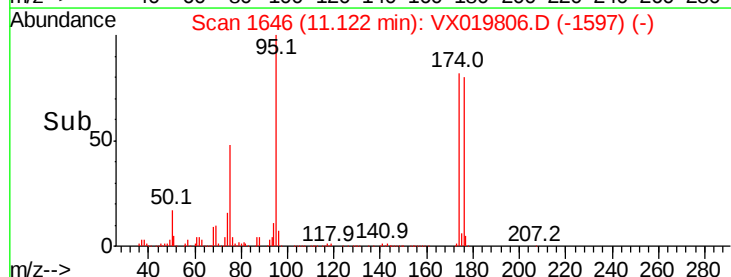
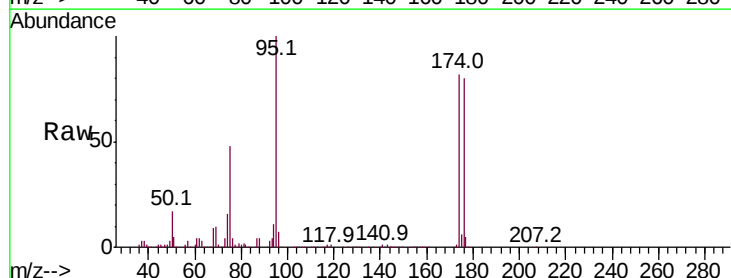
Tgt Ion: 95 Resp: 216396

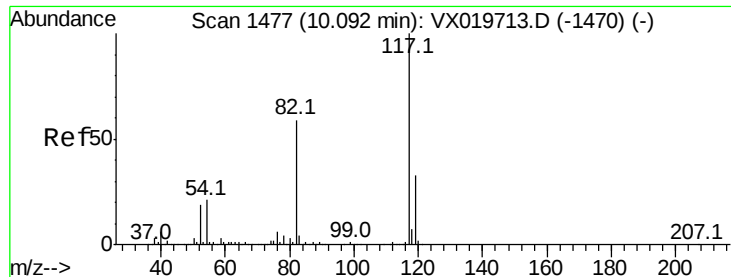
Ion Ratio Lower Upper

95 100

174 79.3 0.0 154.6

176 77.9 0.0 155.8

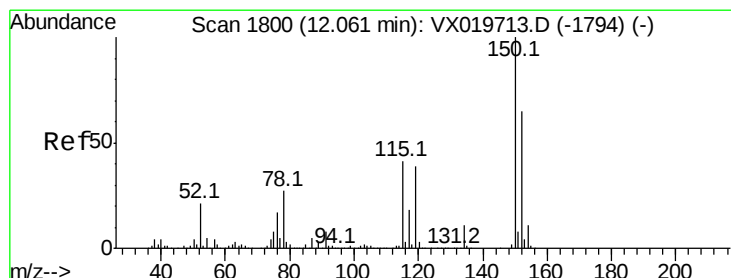
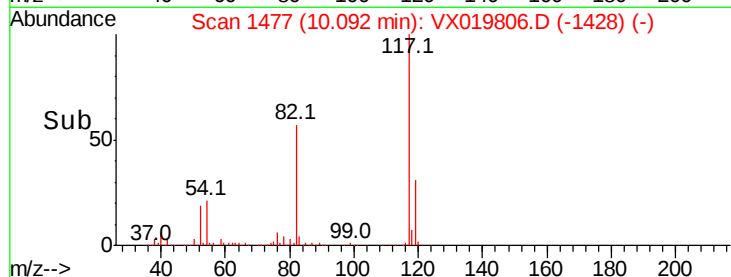
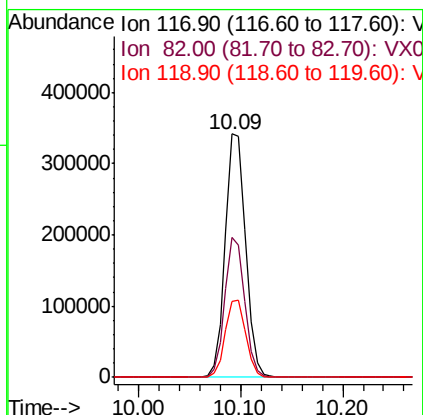
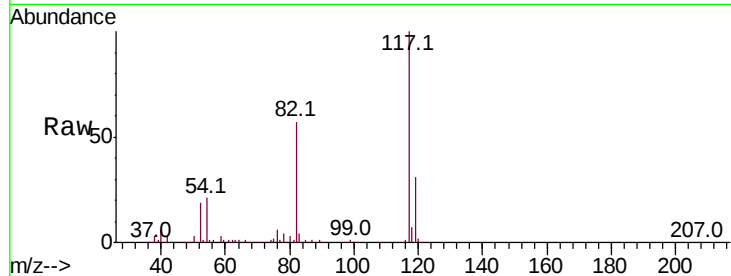




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX019806.D
Acq: 10 Dec 2020 03:25

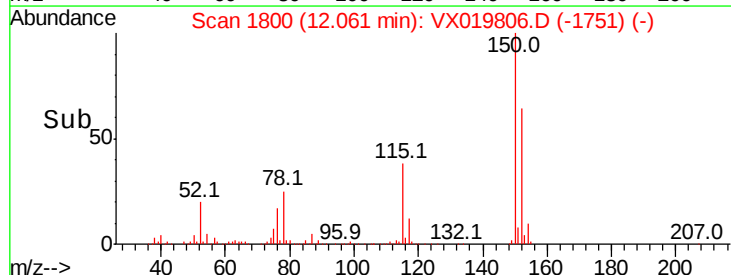
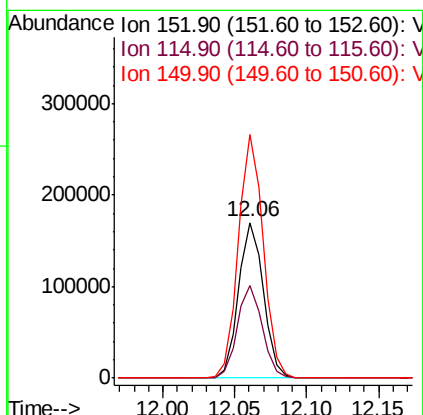
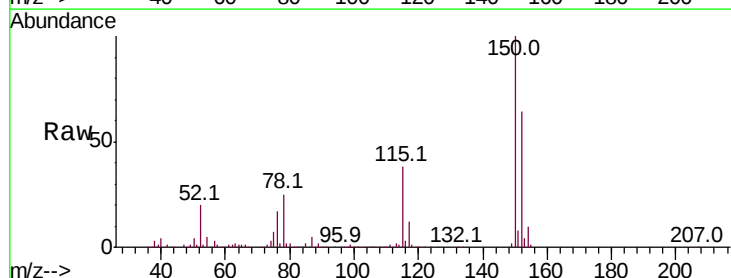
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5777-120820

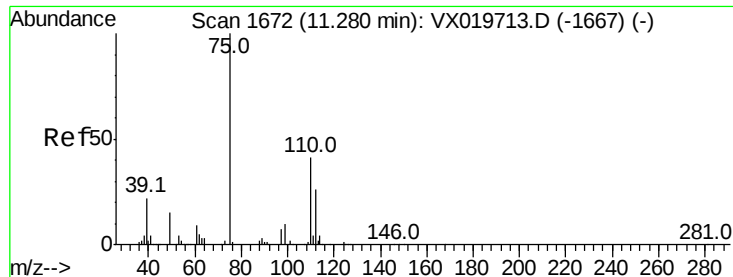
Tot Ion:117 Resp: 473822
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019806.D
Acq: 10 Dec 2020 03:25

Tgt Ion:152 Resp: 205386
Ion Ratio Lower Upper
152 100
115 59.4 41.1 123.3
150 156.0 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 22.965 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019806.D

Acq: 10 Dec 2020 03:25

Instrument :

MSVOA_X

ClientSampleId :

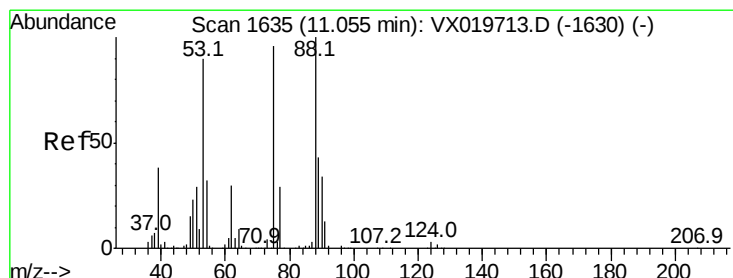
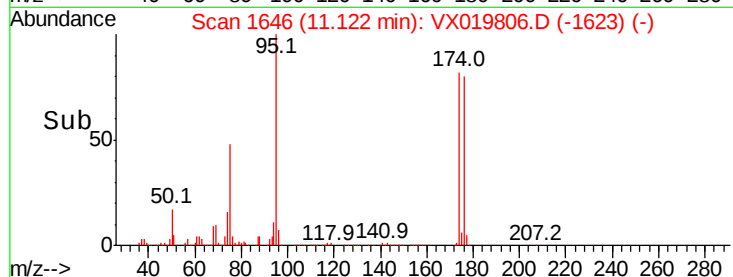
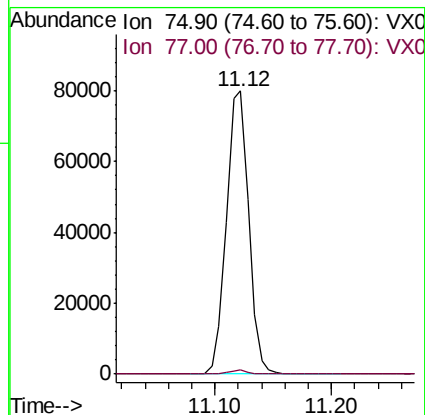
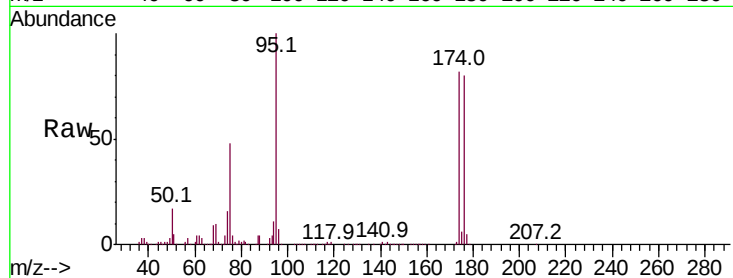
TU032-32-5777-120820

Tot Ion: 75 Resp: 105785

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.386 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019806.D

Acq: 10 Dec 2020 03:25

Tgt Ion: 75 Resp: 105785

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

