

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121720\
 Data File : VX020082.D
 Acq On : 16 Dec 2020 21:46
 Operator : JC/MD
 Sample : L5085-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-6135-121120

Quant Time: Dec 17 00:33:53 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	5.62	168	297633	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	493834	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	459637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	196532	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	194336	49.68	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.36%	
35) Dibromofluoromethane		5.46	113	157097	49.22	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	98.44%	
50) Toluene-d8		8.70	98	602391	49.44	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.88%	
62) 4-Bromofluorobenzene		11.12	95	208230	44.90	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	89.80%	

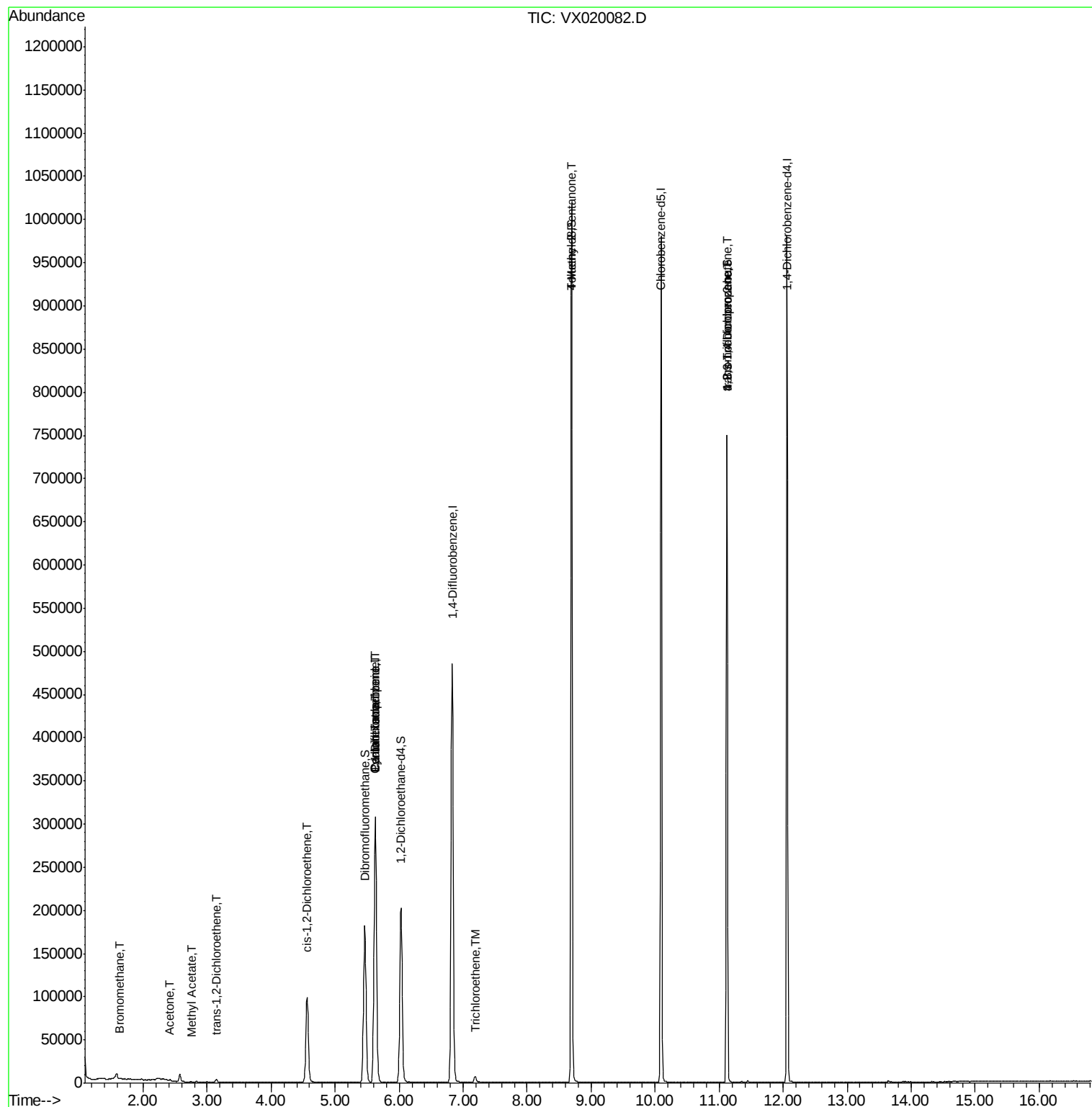
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	566	0.504	ug/l #	71
11) Tert butyl alcohol	3.00	59	557	Below Cal	#	73
16) Acetone	2.42	43	2465	1.676	ug/l	92
18) Methyl Acetate	2.75	43	774	0.215	ug/l #	73
20) Methylene Chloride	2.84	84	287	Below Cal	#	75
21) trans-1,2-Dichloroethene	3.14	96	1249	0.393	ug/l	82
27) cis-1,2-Dichloroethene	4.56	96	65834	17.695	ug/l	88
31) Cyclohexane	5.62	56	5653	1.162	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	22365	5.012	ug/l #	49
38) Carbon Tetrachloride	5.62	117	29017	6.640	ug/l #	17
44) Trichloroethene	7.19	130	2471	0.691	ug/l	99
51) 4-Methyl-2-Pentanone	8.70	43	2624	0.587	ug/l #	1
76) 1,2,3-Trichloropropane	11.12	75	102156	23.176	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	102156	66.997	ug/l #	12

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.00 min

Lab File: VX020082.D

Acq: 16 Dec 2020 21:46

Instrument :

MSVOA_X

ClientSampleId :

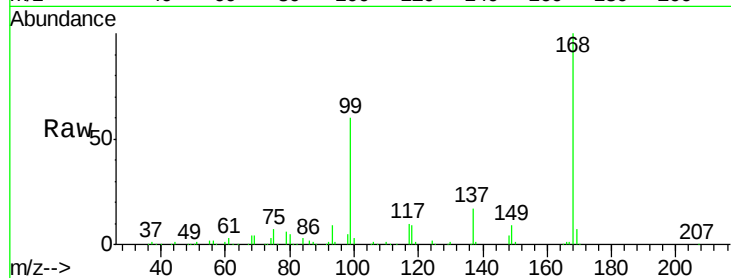
TU032-32-6135-121120

Tgt Ion: 168 Resp: 297633

Ion Ratio Lower Upper

168 100

99 59.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

100000

80000

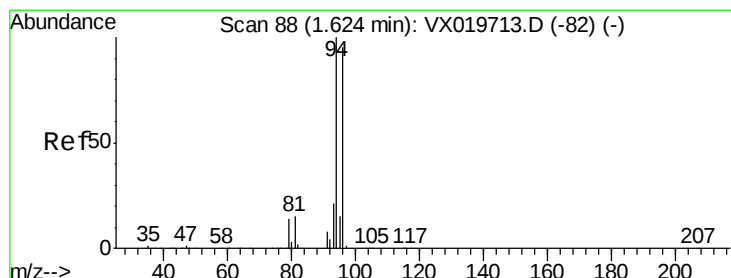
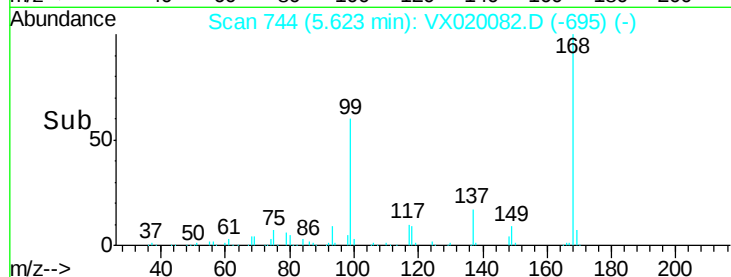
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.504 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX020082.D

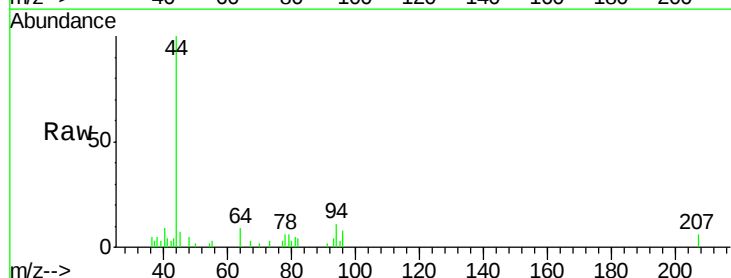
Acq: 16 Dec 2020 21:46

Tgt Ion: 94 Resp: 566

Ion Ratio Lower Upper

94 100

96 67.1 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

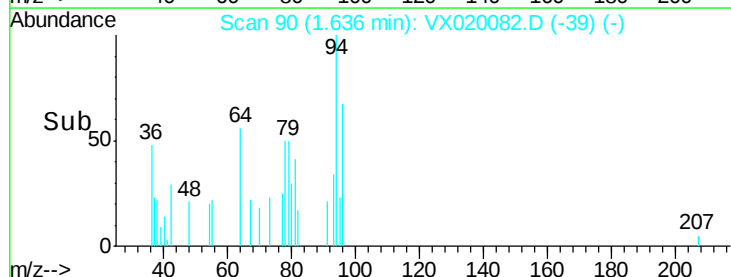
300

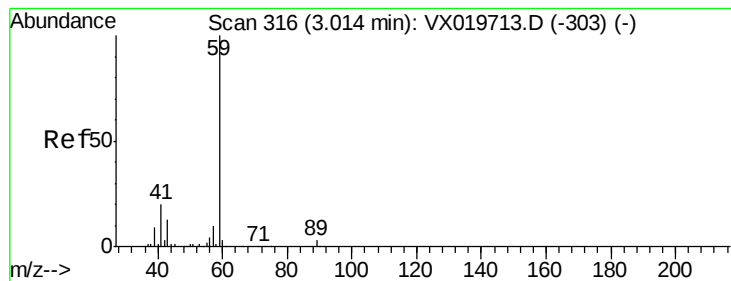
200

100

0

Time-->



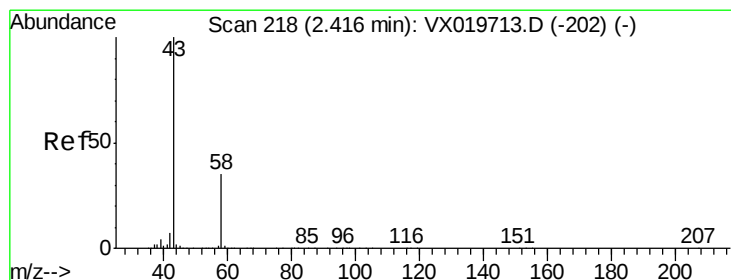
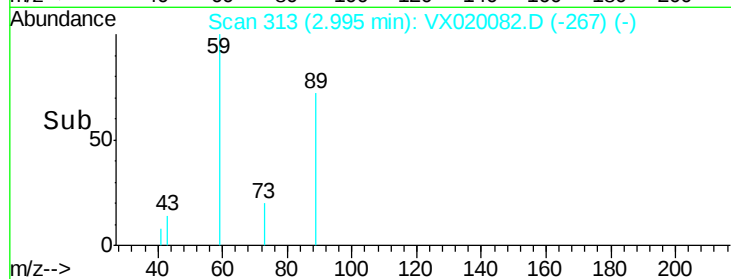
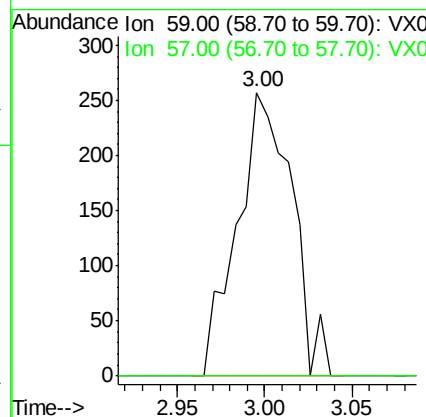
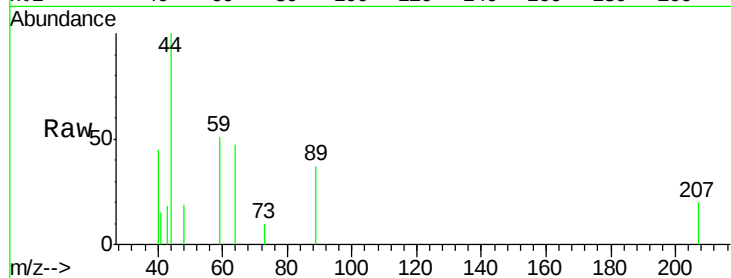


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 3.00 min Scan# 313
 Delta R.T. -0.02 min
 Lab File: VX020082.D
 Acq: 16 Dec 2020 21:46

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-6135-121120

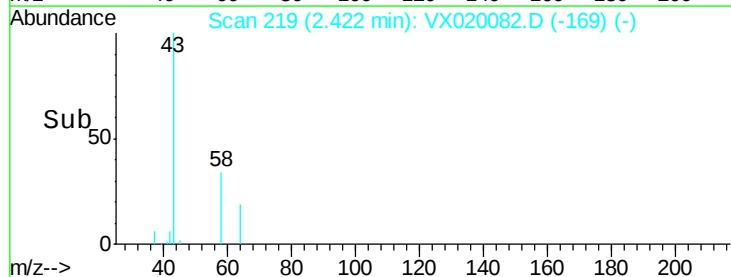
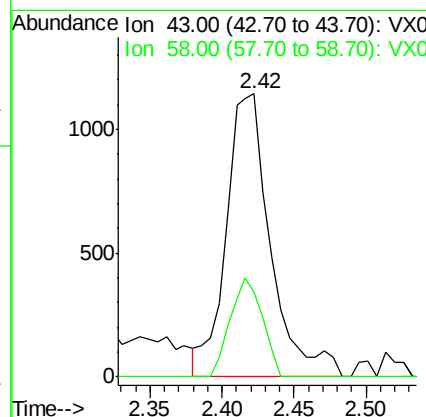
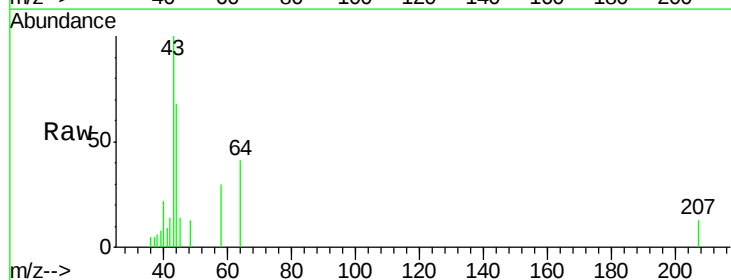
Tgt Ion: 59 Resp: 557
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.8 11.8#

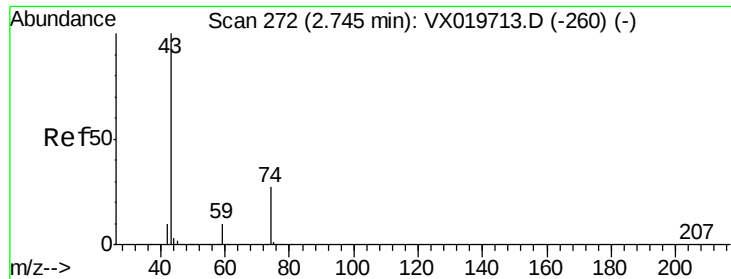


#16

Acetone
 Concen: 1.676 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VX020082.D
 Acq: 16 Dec 2020 21:46

Tgt Ion: 43 Resp: 2465
 Ion Ratio Lower Upper
 43 100
 58 30.1 27.8 41.8

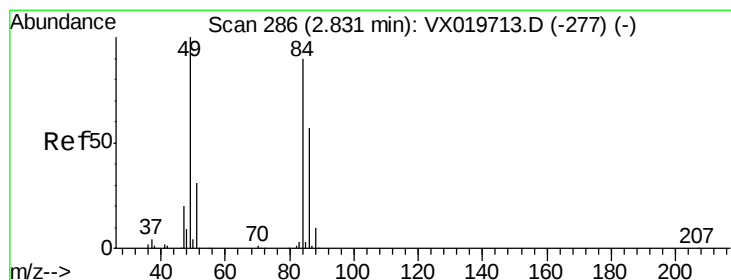
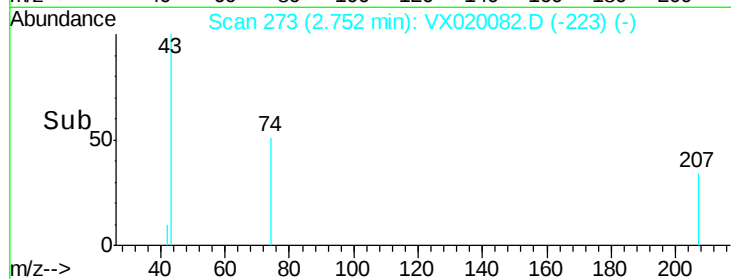
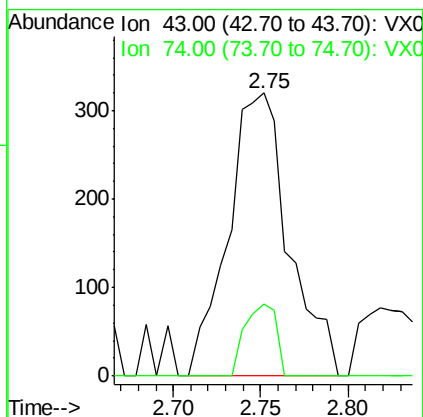
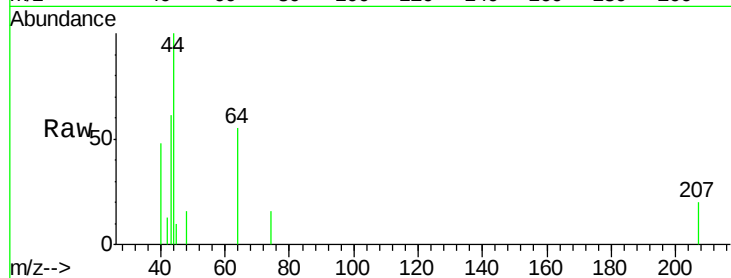




#18
Methyl Acetate
Concen: 0.215 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX020082.D
Acq: 16 Dec 2020 21:46

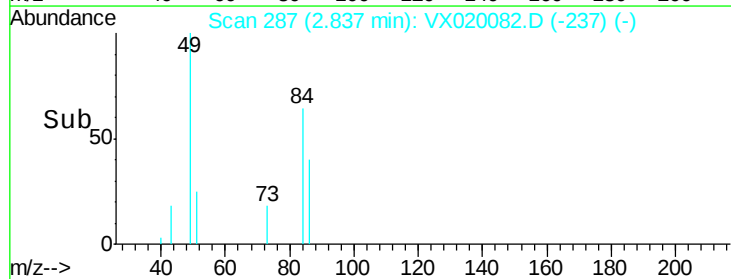
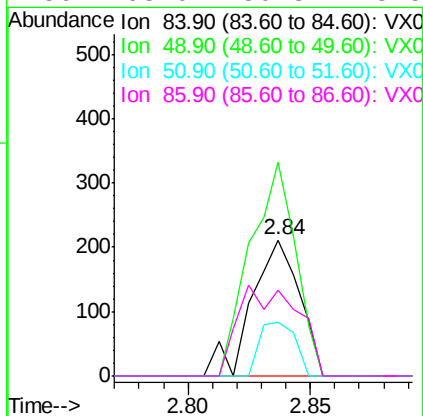
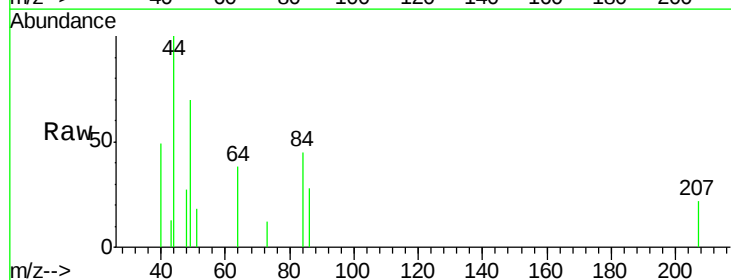
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-6135-121120

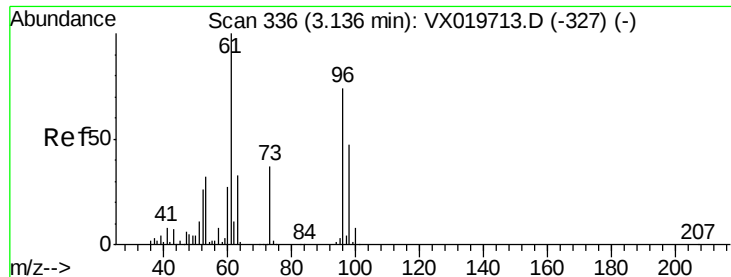
Tgt Ion: 43 Resp: 774
Ion Ratio Lower Upper
43 100
74 13.2 21.9 32.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX020082.D
Acq: 16 Dec 2020 21:46

Tgt Ion: 84 Resp: 287
Ion Ratio Lower Upper
84 100
49 157.3 88.6 132.8#
51 39.8 27.0 40.6
86 63.0 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 0.393 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX020082.D

Acq: 16 Dec 2020 21:46

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-6135-121120

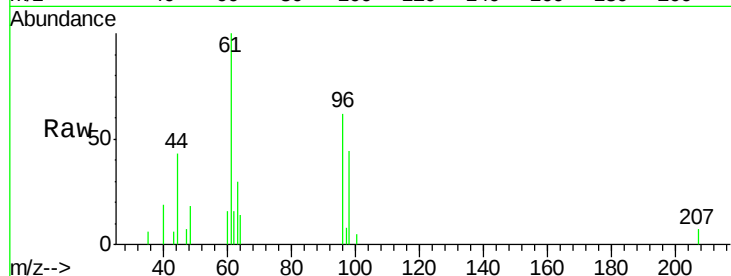
Tgt Ion: 96 Resp: 1249

Ion Ratio Lower Upper

96 100

61 161.2 107.7 161.5

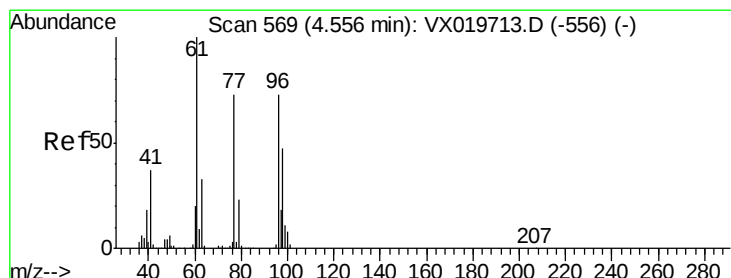
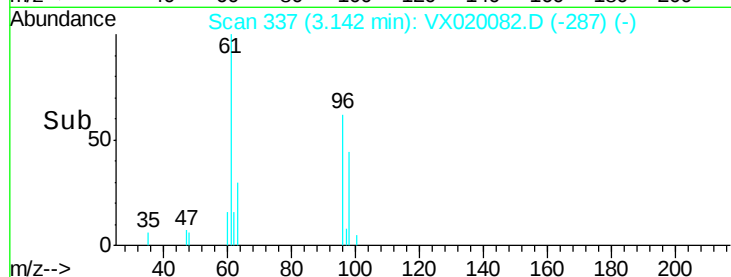
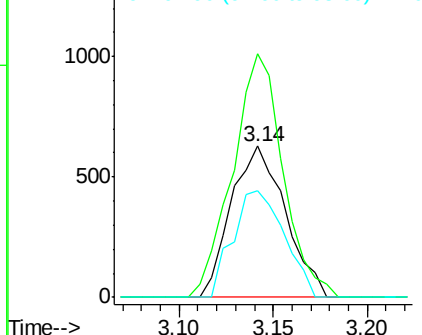
98 70.5 50.4 75.6



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: 17.695 ug/l

RT: 4.56 min Scan# 570

Delta R.T. 0.01 min

Lab File: VX020082.D

Acq: 16 Dec 2020 21:46

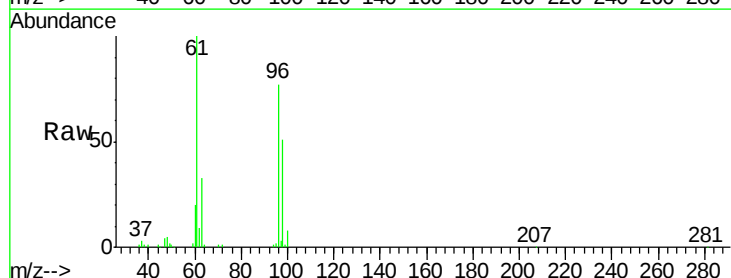
Tgt Ion: 96 Resp: 65834

Ion Ratio Lower Upper

96 100

61 122.9 0.0 285.6

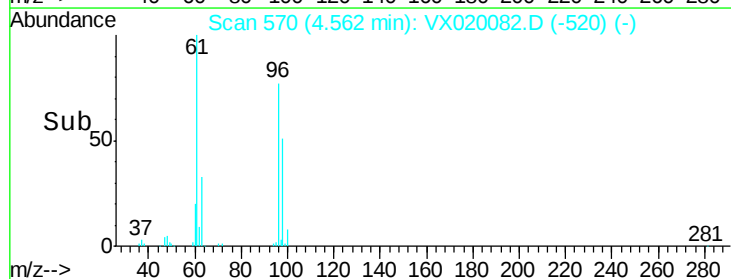
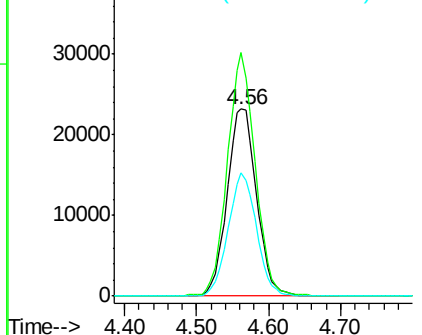
98 63.3 0.0 129.6

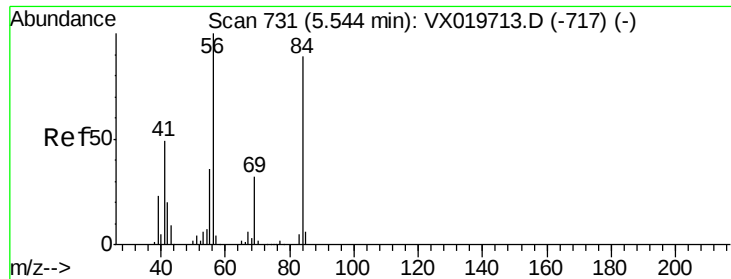


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

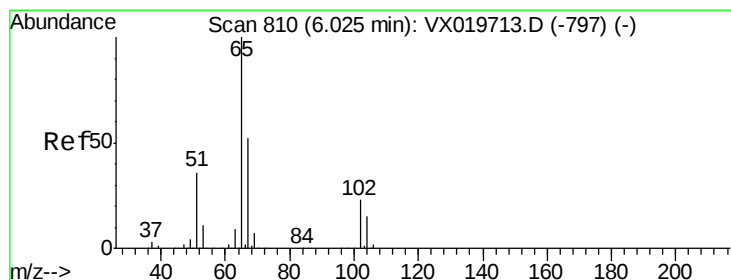
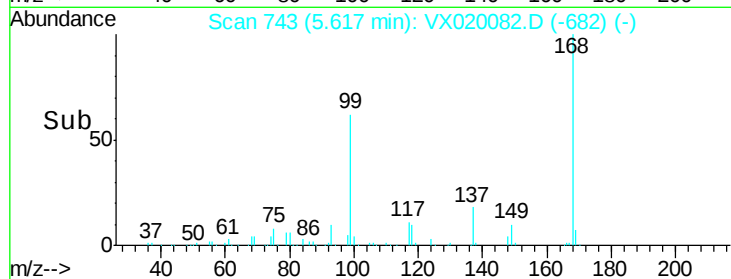
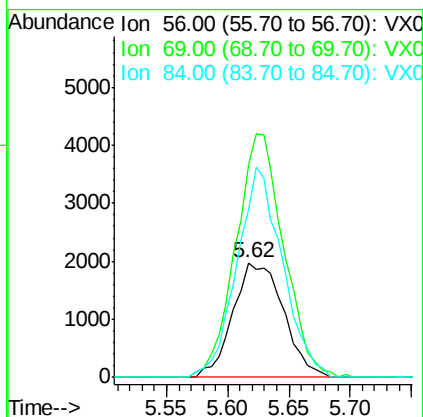
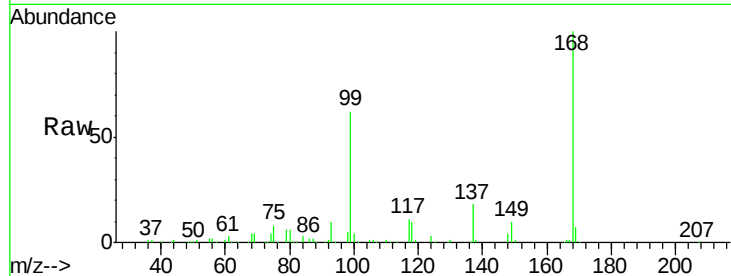




#31
Cyclohexane
Concen: 1.162 ug/l
RT: 5.62 min Scan# 743
Delta R.T. 0.07 min
Lab File: VX020082.D
Acq: 16 Dec 2020 21:46

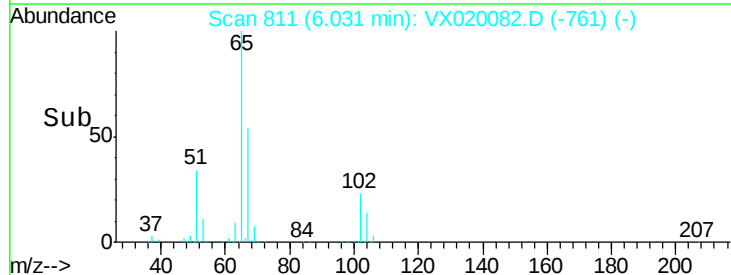
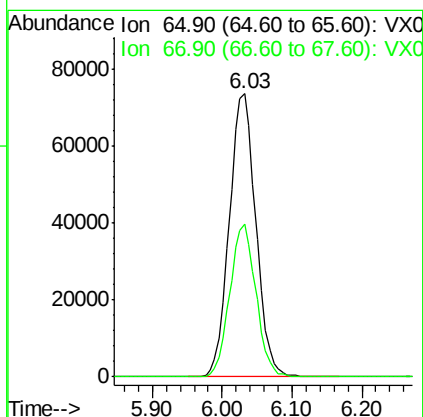
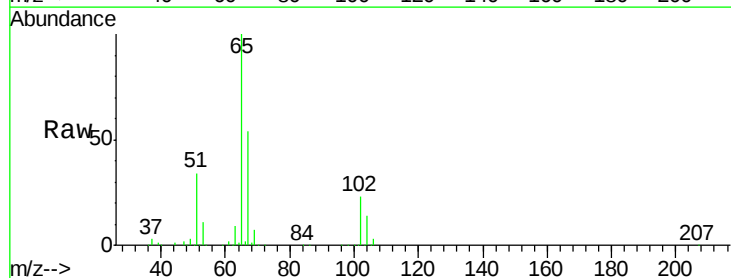
Instrument :
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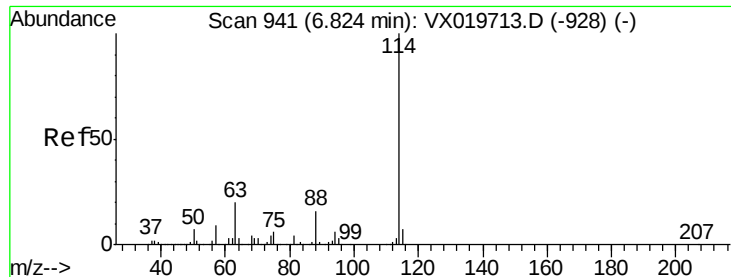
Tgt Ion: 56 Resp: 5653
Ion Ratio Lower Upper
56 100
69 185.4 25.3 37.9#
84 146.2 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 49.680 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.01 min
Lab File: VX020082.D
Acq: 16 Dec 2020 21:46

Tgt Ion: 65 Resp: 194336
Ion Ratio Lower Upper
65 100
67 53.0 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: VX020082.D

Acq: 16 Dec 2020 21:46

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-6135-121120

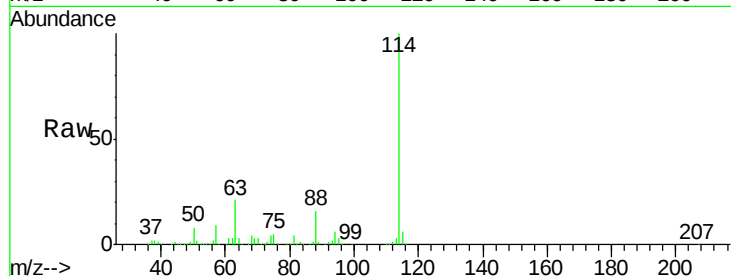
Tgt Ion:114 Resp: 493834

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.8

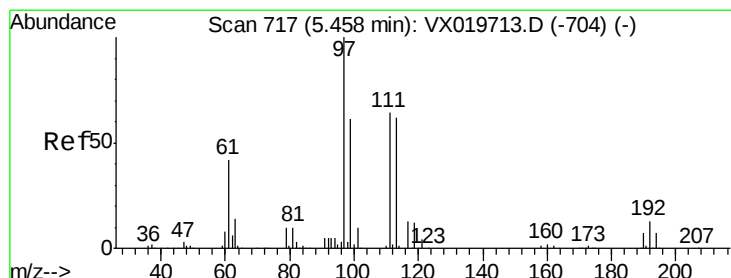
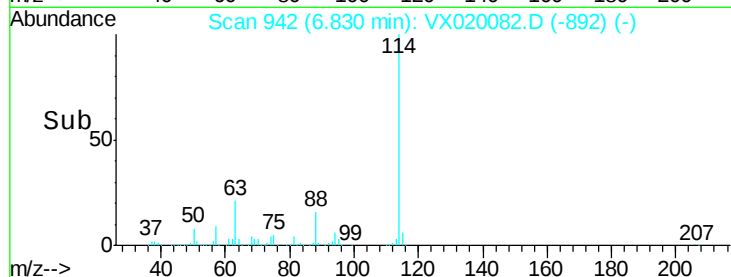
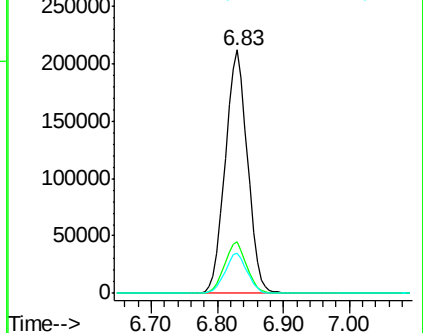
88 16.4 0.0 32.8



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: 49.222 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX020082.D

Acq: 16 Dec 2020 21:46

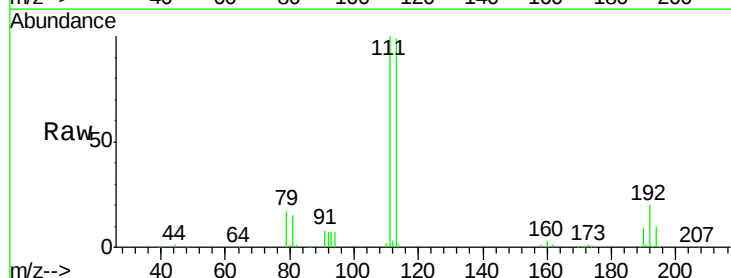
Tgt Ion:113 Resp: 157097

Ion Ratio Lower Upper

113 100

111 102.4 81.9 122.9

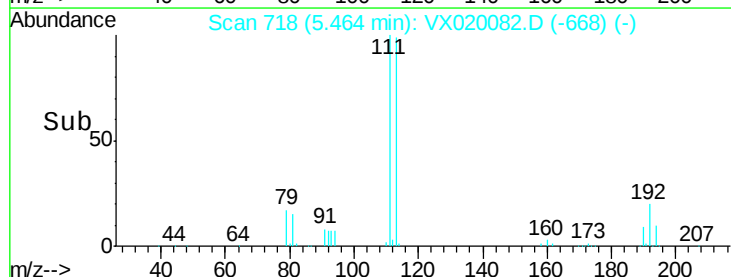
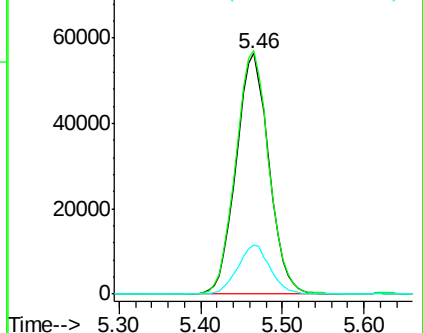
192 20.2 16.7 25.1

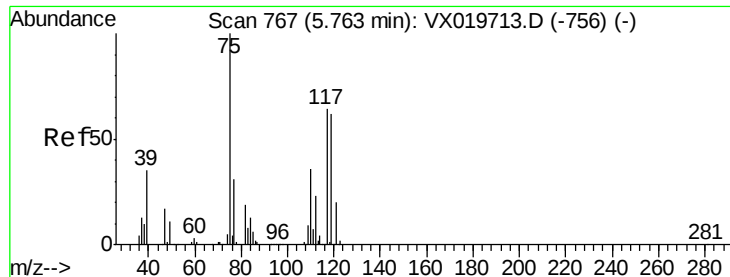


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

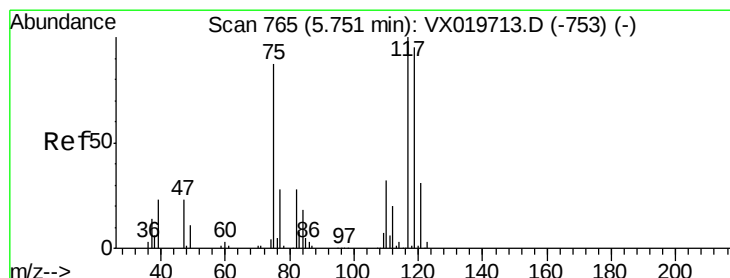
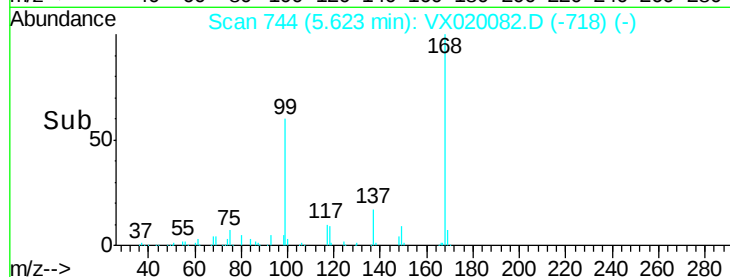
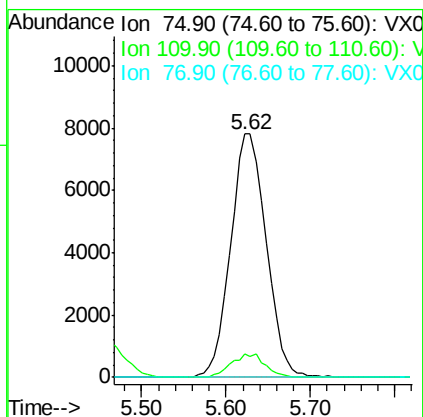
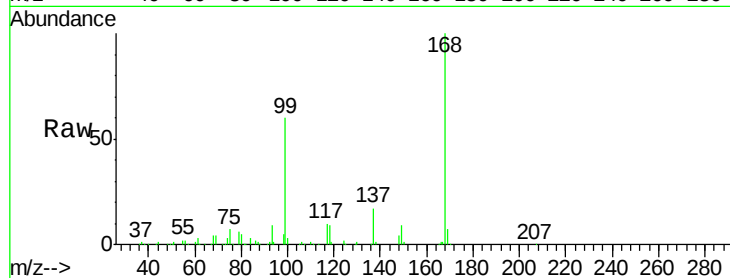




#36
 1,1-Dichloropropene
 Concen: 5.012 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX020082.D
 Acq: 16 Dec 2020 21:46

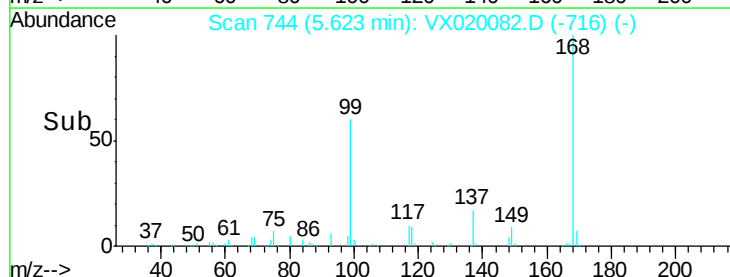
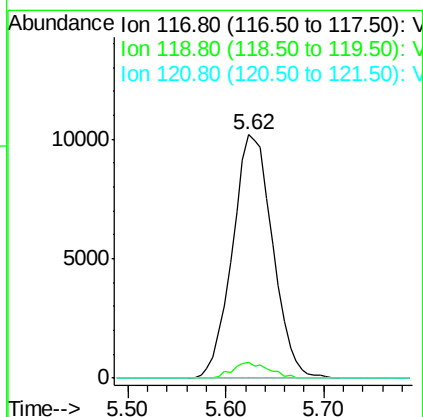
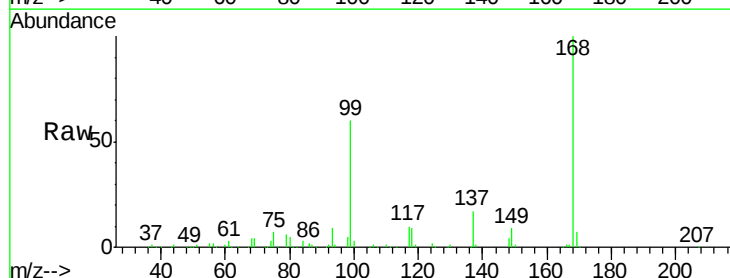
Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-6135-121120

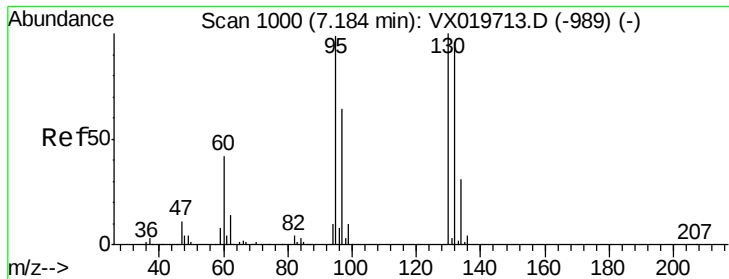
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.0	18.1	54.4#
77	0.0	25.3	37.9#



#38
 Carbon Tetrachloride
 Concen: 6.640 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX020082.D
 Acq: 16 Dec 2020 21:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.4	76.2	114.2#
121	0.0	24.8	37.2#





#44

Trichloroethene

Concen: 0.691 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX020082.D

Acq: 16 Dec 2020 21:46

Instrument :

MSVOA_X

ClientSampleId :

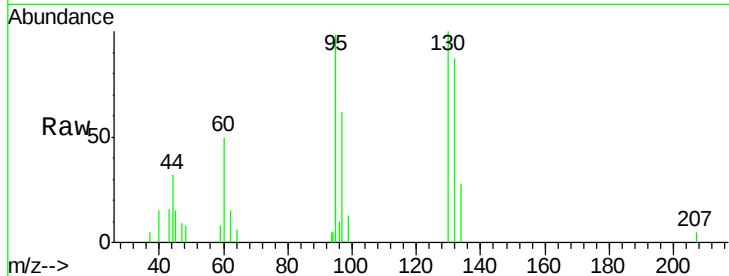
TU032-32-6135-121120

Tgt Ion:130 Resp: 2471

Ion Ratio Lower Upper

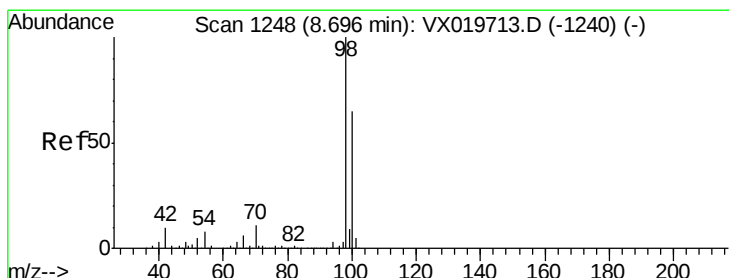
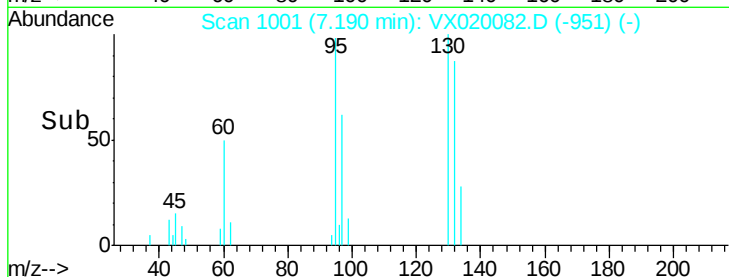
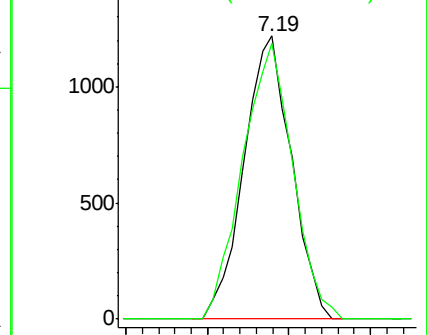
130 100

95 97.6 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.439 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX020082.D

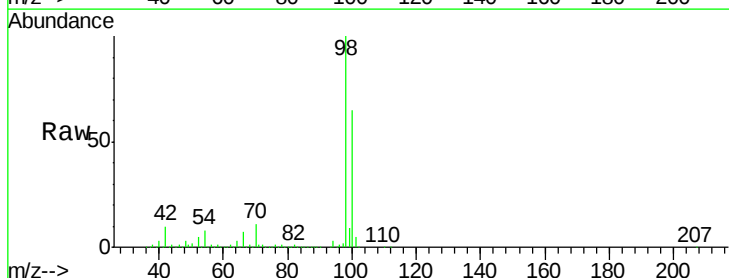
Acq: 16 Dec 2020 21:46

Tgt Ion: 98 Resp: 602391

Ion Ratio Lower Upper

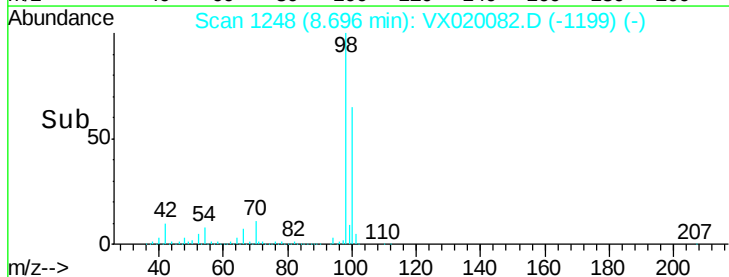
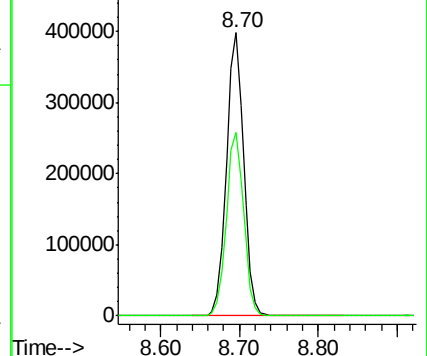
98 100

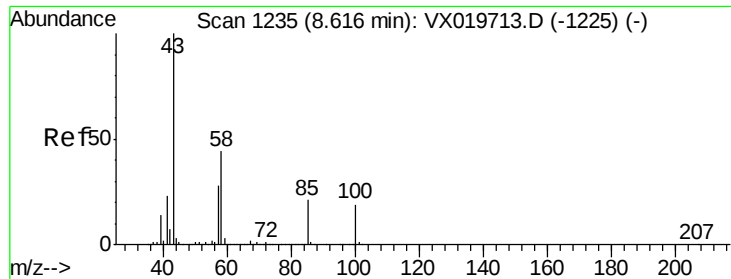
100 65.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 0.587 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.08 min

Lab File: VX020082.D

Acq: 16 Dec 2020 21:46

Instrument :

MSVOA_X

ClientSampleId :

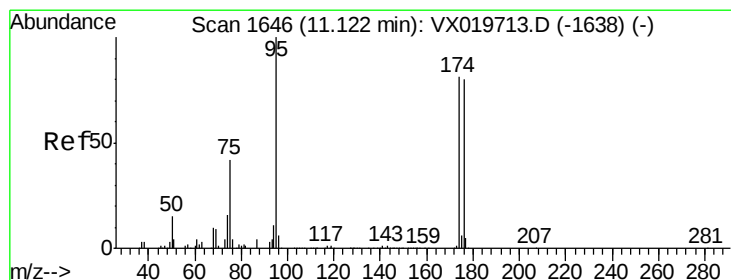
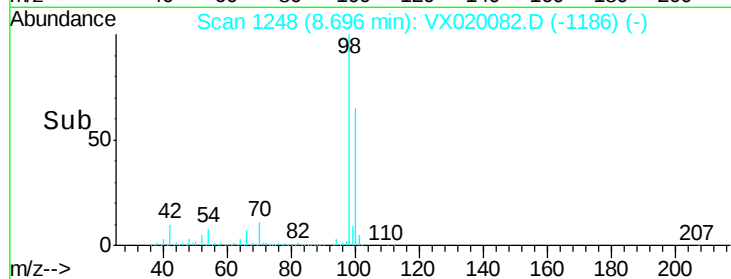
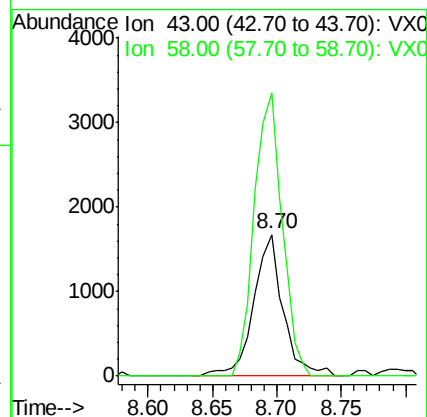
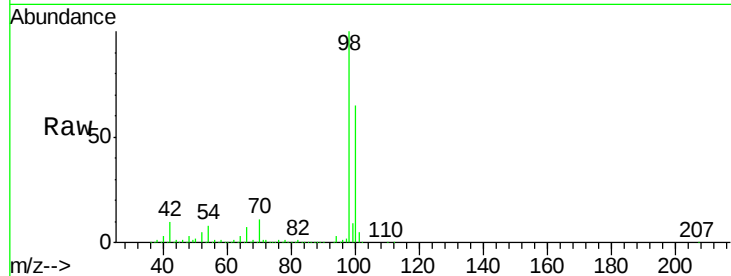
TU032-32-6135-121120

Tgt Ion: 43 Resp: 2624

Ion Ratio Lower Upper

43 100

58 190.2 35.4 53.0#



#62

4-Bromofluorobenzene

Concen: 44.900 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX020082.D

Acq: 16 Dec 2020 21:46

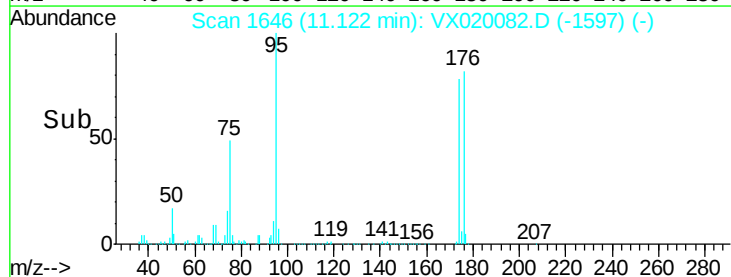
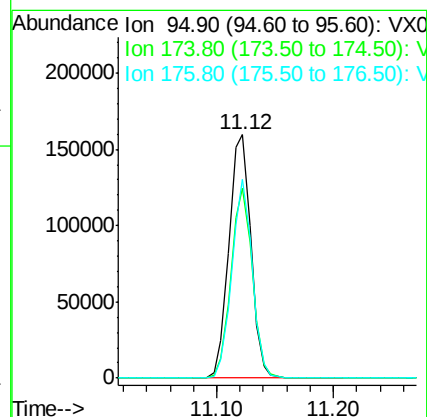
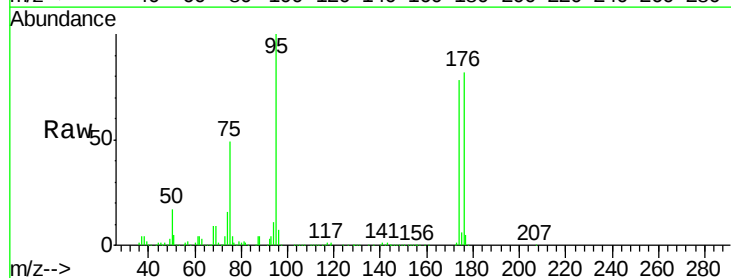
Tgt Ion: 95 Resp: 208230

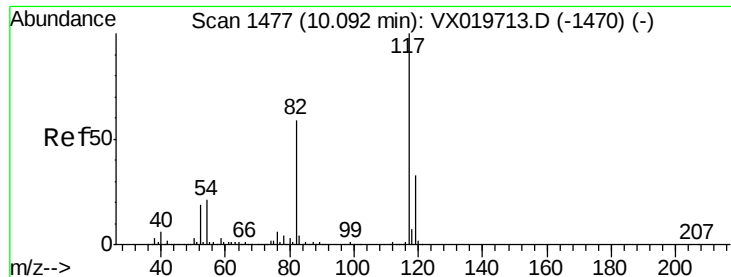
Ion Ratio Lower Upper

95 100

174 76.4 0.0 154.6

176 76.1 0.0 155.8

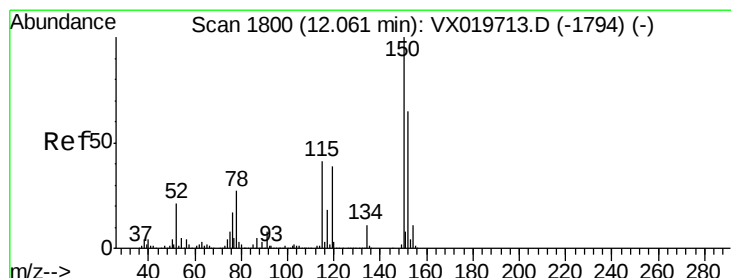
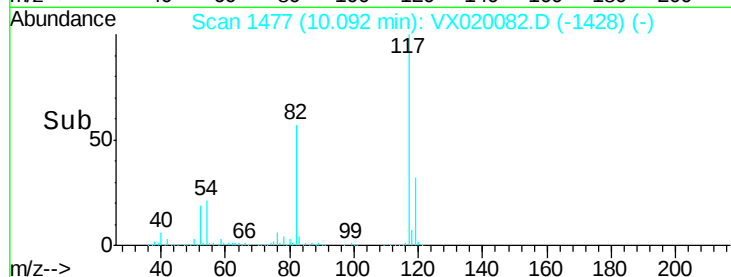
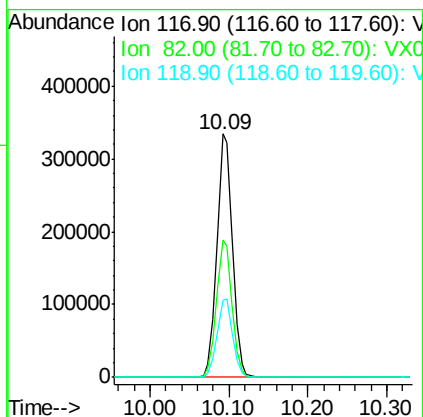
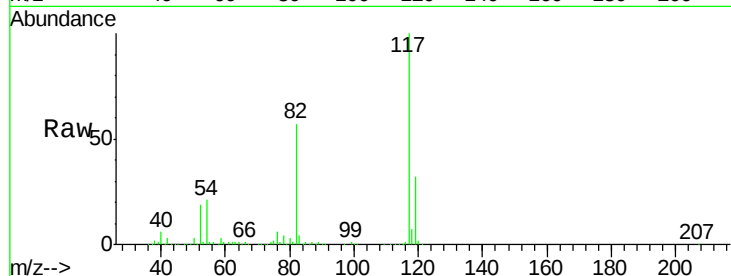




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX020082.D
Acq: 16 Dec 2020 21:46

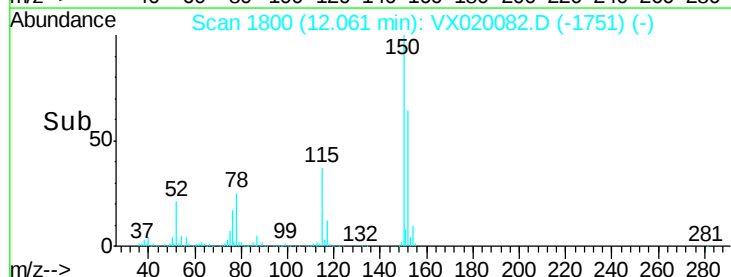
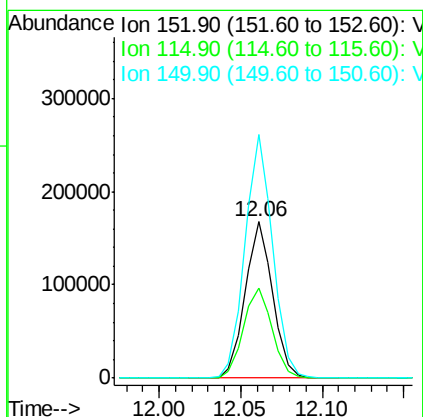
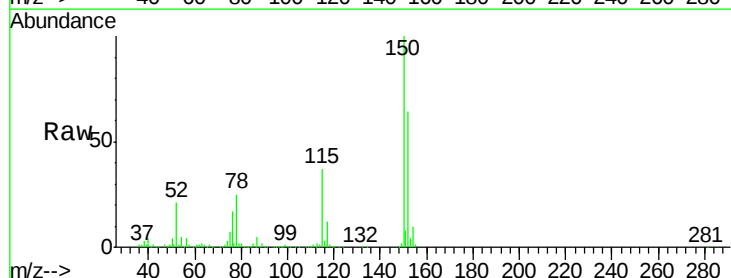
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-6135-121120

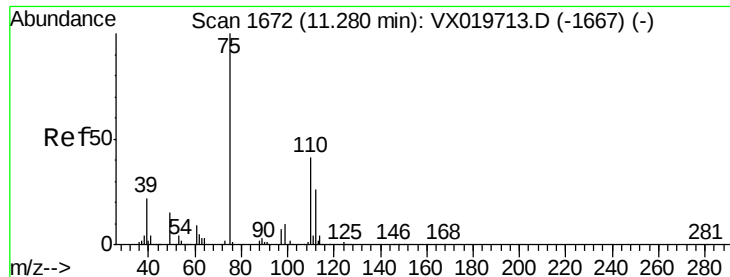
Tgt Ion:117 Resp: 459637
Ion Ratio Lower Upper
117 100
82 56.5 47.4 71.2
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX020082.D
Acq: 16 Dec 2020 21:46

Tgt Ion:152 Resp: 196532
Ion Ratio Lower Upper
152 100
115 60.0 41.1 123.3
150 157.2 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 23.176 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX020082.D

Acq: 16 Dec 2020 21:46

Instrument :

MSVOA_X

ClientSampleId :

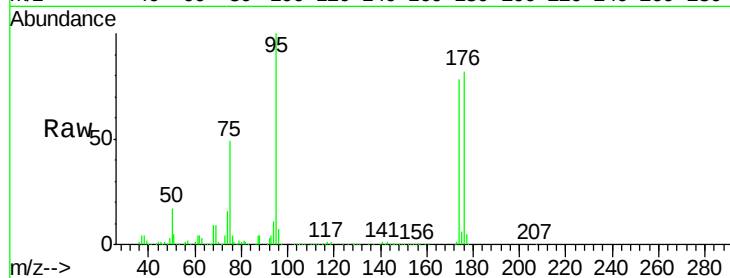
TU032-32-6135-121120

Tgt Ion: 75 Resp: 102156

Ion Ratio Lower Upper

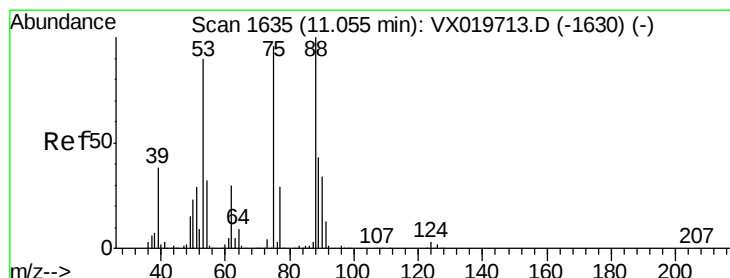
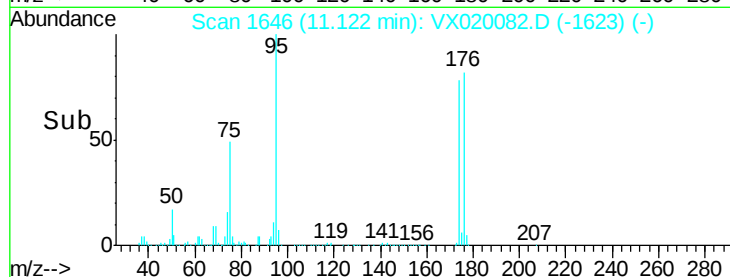
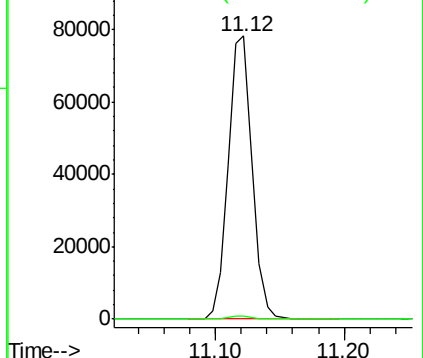
75 100

77 1.2 19.1 57.5#



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: 66.997 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX020082.D

Acq: 16 Dec 2020 21:46

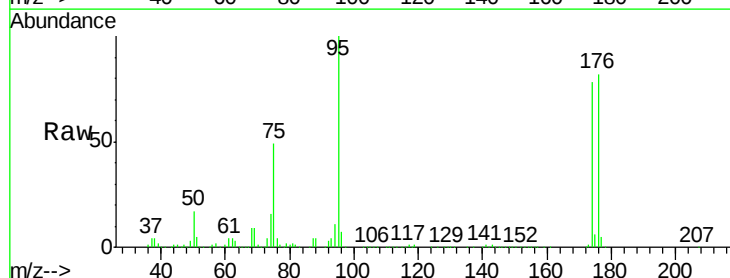
Tgt Ion: 75 Resp: 102156

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#



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

