

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123121\
 Data File : VX026201.D
 Acq On : 31 Dec 2021 04:48
 Operator : JC/MD
 Sample : PB141758ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB141758ZHE#02

Quant Time: Dec 31 21:36:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X123021W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 30 08:02:21 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

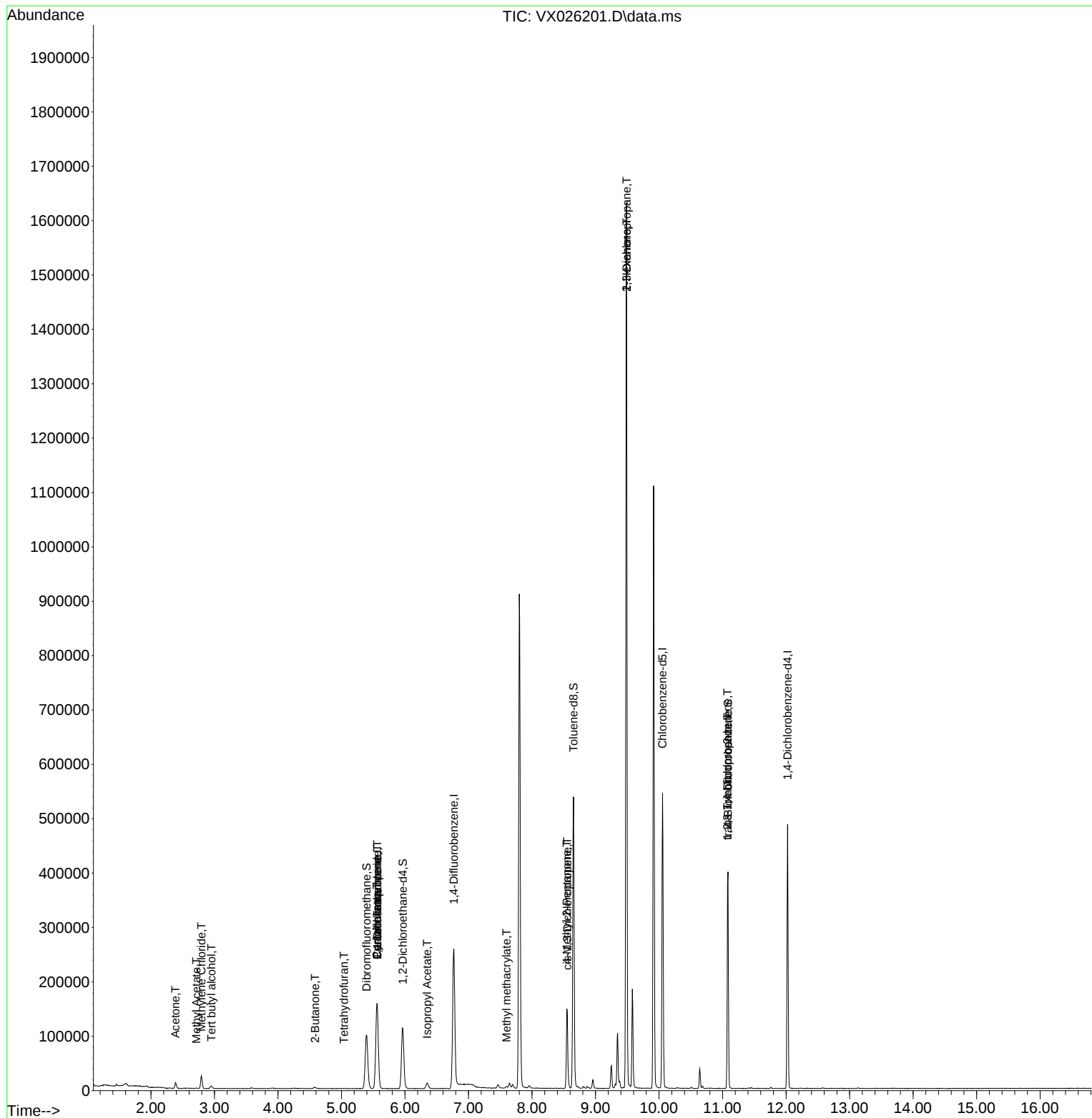
Internal Standards						
1) Pentafluorobenzene	5.562	168	138717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	239575	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	219587	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88988	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	107938	53.785	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 107.580%		
35) Dibromofluoromethane	5.397	113	82944	53.253	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.500%		
50) Toluene-d8	8.653	98	295005	50.920	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 101.840%		
62) 4-Bromofluorobenzene	11.085	95	96377	46.730	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 93.460%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	3183	7.941	ug/l #	73
16) Acetone	2.386	43	11363	10.450	ug/l	94
18) Methyl Acetate	2.715	43	1725	0.489	ug/l #	77
20) Methylene Chloride	2.794	84	9445	4.574	ug/l #	85
25) 2-Butanone	4.586	43	3688	2.435	ug/l	96
29) Tetrahydrofuran	5.038	42	535	0.560	ug/l #	38
31) Cyclohexane	5.556	56	3704	1.296	ug/l #	42
36) 1,1-Dichloropropene	5.562	75	12699	5.055	ug/l #	49
38) Carbon Tetrachloride	5.562	117	15115	5.409	ug/l #	14
43) Isopropyl Acetate	6.348	43	15144	3.190	ug/l #	94
48) Methyl methacrylate	7.598	41	4549	1.998	ug/l #	12
51) 4-Methyl-2-Pentanone	8.549	43	52823	17.880	ug/l #	49
54) cis-1,3-Dichloropropene	8.555	75	21499	7.350	ug/l #	69
57) 1,3-Dichloropropane	9.488	76	13039	4.196	ug/l #	42
59) 2-Hexanone	9.488	43	201575	90.076	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	55268	25.731	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	55268	74.439	ug/l #	10

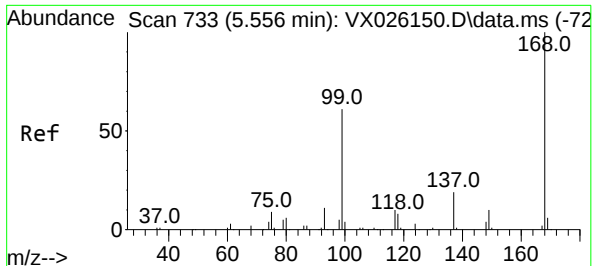
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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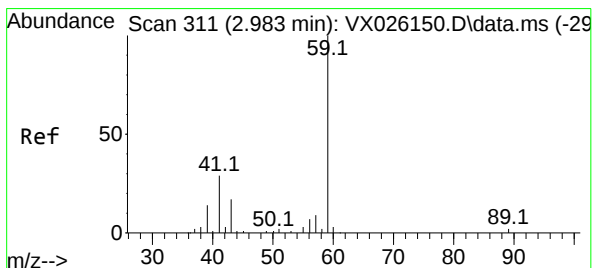
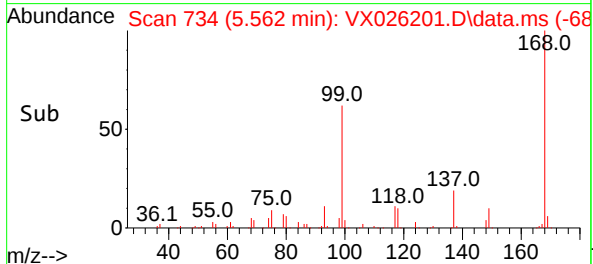
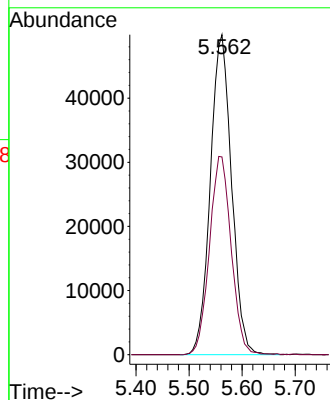
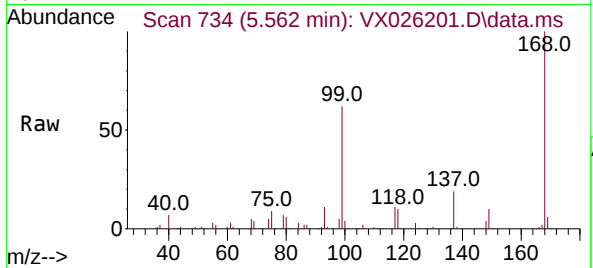




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026201.D
Acq: 31 Dec 2021 04:48

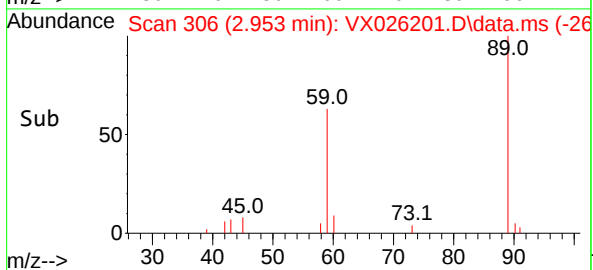
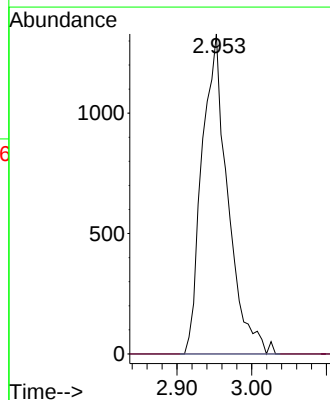
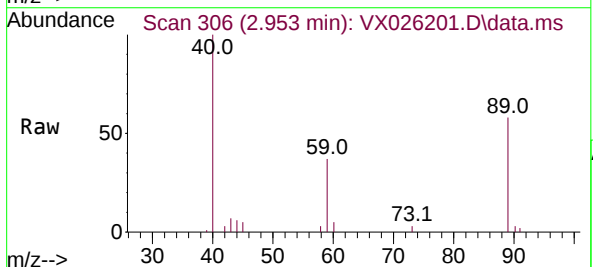
Instrument :
MSVOA_X
ClientSampleId :
PB141758ZHE#02

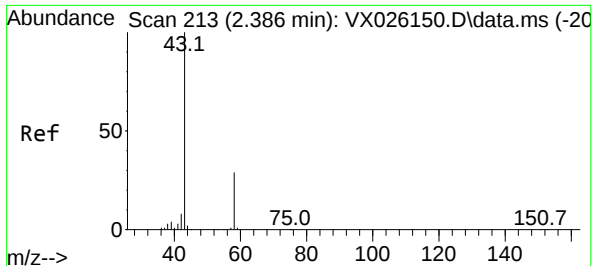
Tgt Ion:168 Resp: 138717
Ion Ratio Lower Upper
168 100
99 61.8 45.8 68.8



#11
Tert butyl alcohol
Concen: 7.941 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX026201.D
Acq: 31 Dec 2021 04:48

Tgt Ion: 59 Resp: 3183
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

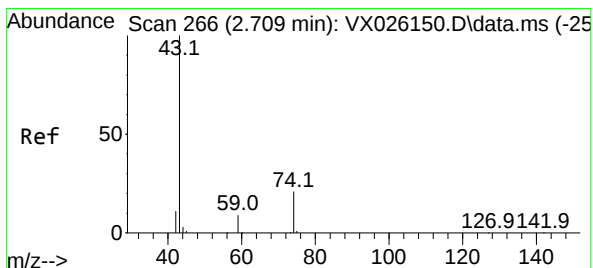
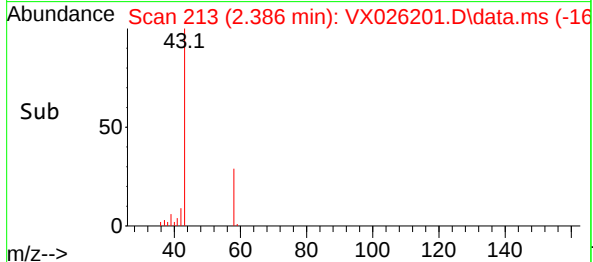
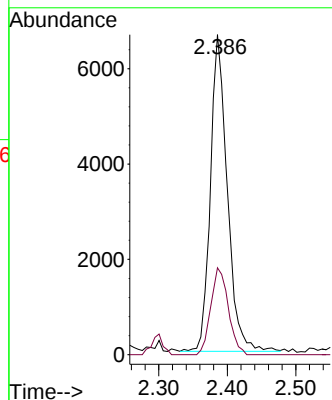
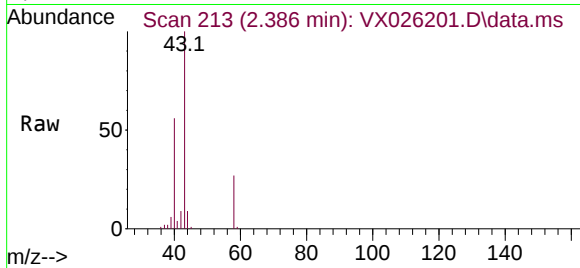




#16
Acetone
Concen: 10.450 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX026201.D
Acq: 31 Dec 2021 04:48

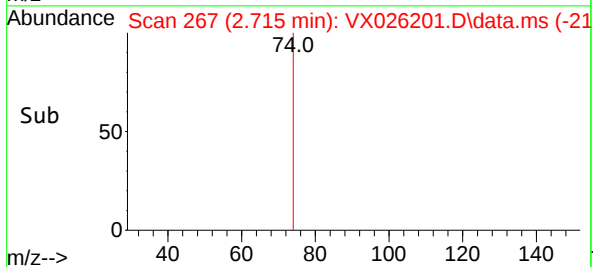
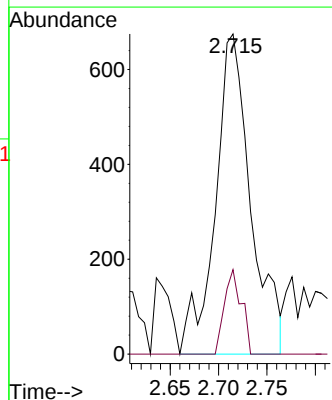
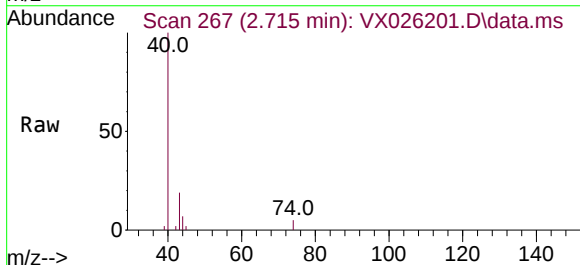
Instrument :
MSVOA_X
ClientSampleId :
PB141758ZHE#02

Tgt Ion: 43 Resp: 11363
Ion Ratio Lower Upper
43 100
58 27.4 24.8 37.2



#18
Methyl Acetate
Concen: 0.489 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX026201.D
Acq: 31 Dec 2021 04:48

Tgt Ion: 43 Resp: 1725
Ion Ratio Lower Upper
43 100
74 12.6 19.1 28.7#





#20

Methylene Chloride

Concen: 4.574 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX026201.D

Acq: 31 Dec 2021 04:48

Instrument :

MSVOA_X

ClientSampleId :

PB141758ZHE#02

Tgt Ion: 84 Resp: 9445

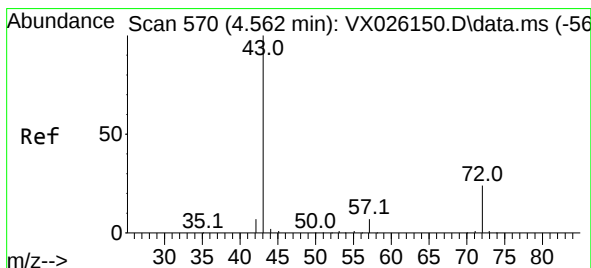
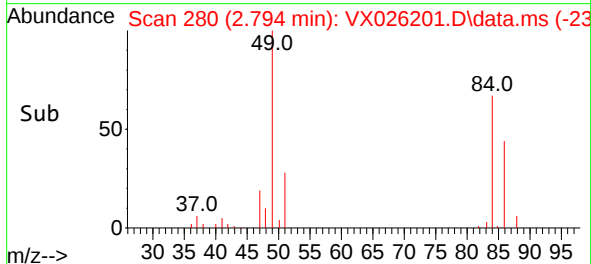
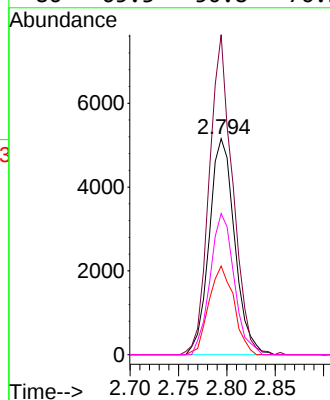
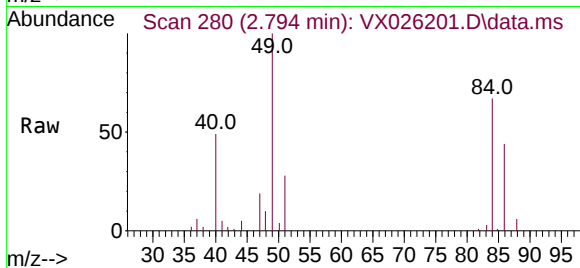
Ion Ratio Lower Upper

84 100

49 148.2 97.1 145.7#

51 41.0 29.3 43.9

86 65.3 50.8 76.2



#25

2-Butanone

Concen: 2.435 ug/l

RT: 4.586 min Scan# 574

Delta R.T. 0.024 min

Lab File: VX026201.D

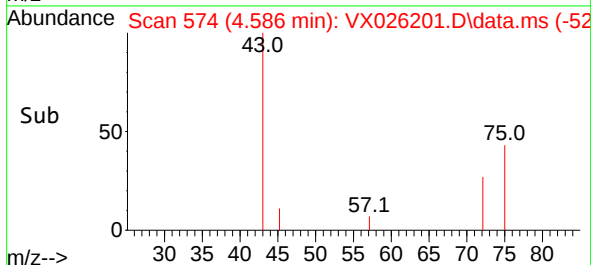
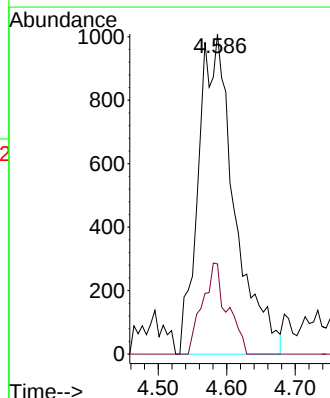
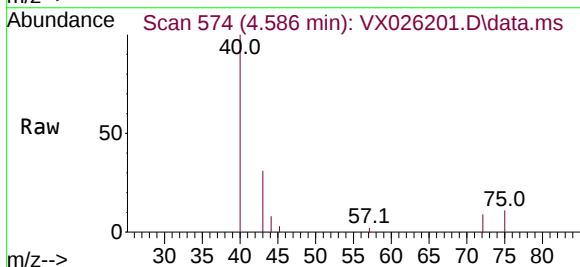
Acq: 31 Dec 2021 04:48

Tgt Ion: 43 Resp: 3688

Ion Ratio Lower Upper

43 100

72 28.1 21.0 31.4





#29

Tetrahydrofuran

Concen: 0.560 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX026201.D

Acq: 31 Dec 2021 04:48

Instrument :

MSVOA_X

ClientSampleId :

PB141758ZHE#02

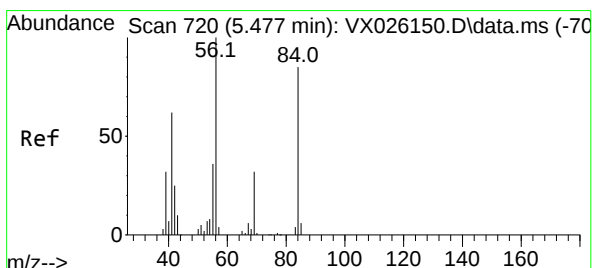
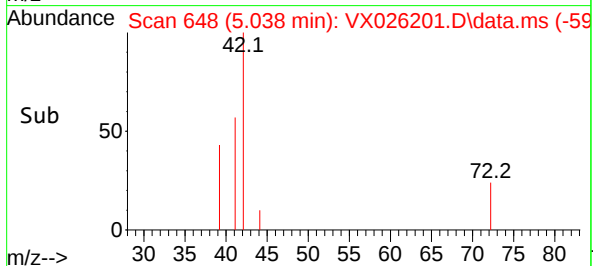
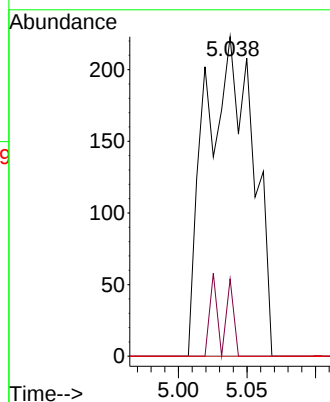
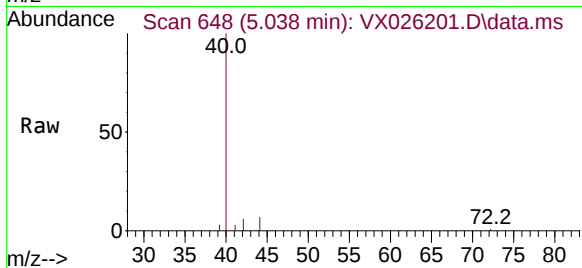
Tgt Ion: 42 Resp: 535

Ion Ratio Lower Upper

42 100

72 7.7 37.0 55.6#

71 0.0 34.1 51.1#



#31

Cyclohexane

Concen: 1.296 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.079 min

Lab File: VX026201.D

Acq: 31 Dec 2021 04:48

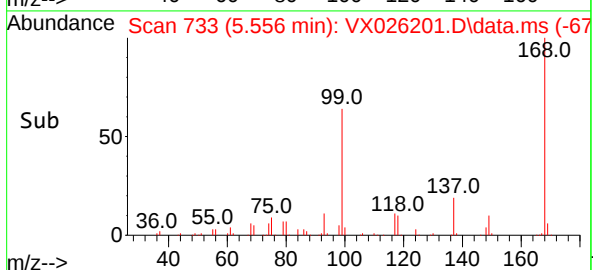
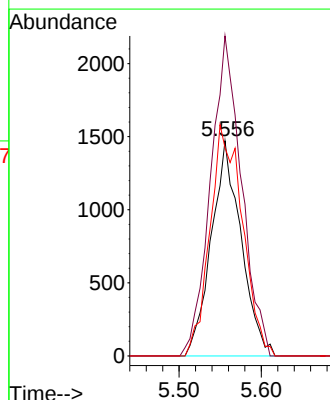
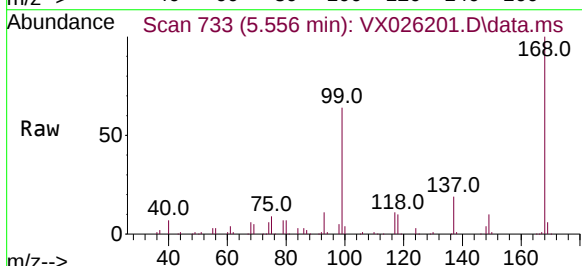
Tgt Ion: 56 Resp: 3704

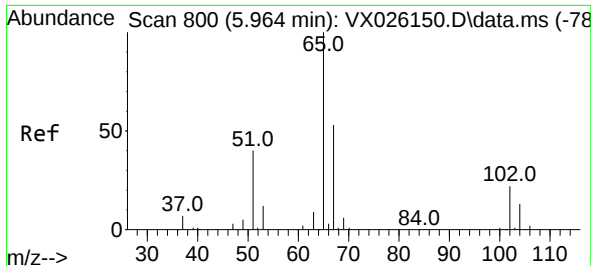
Ion Ratio Lower Upper

56 100

69 148.7 23.9 35.9#

84 96.8 73.2 109.8





#33

1,2-Dichloroethane-d4

Concen: 53.785 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX026201.D

Acq: 31 Dec 2021 04:48

Instrument :

MSVOA_X

ClientSampleId :

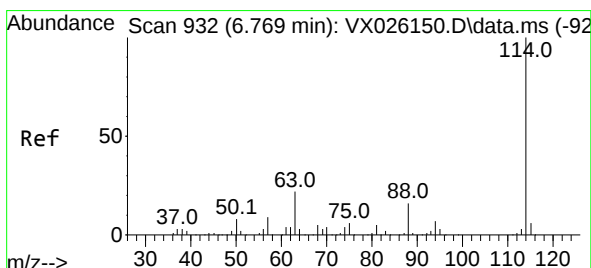
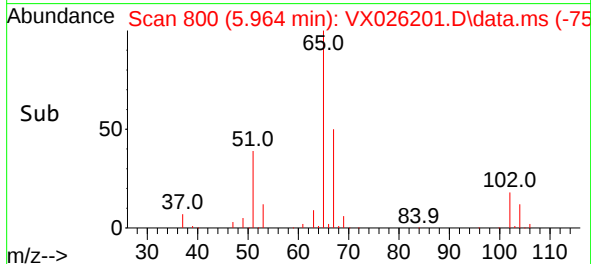
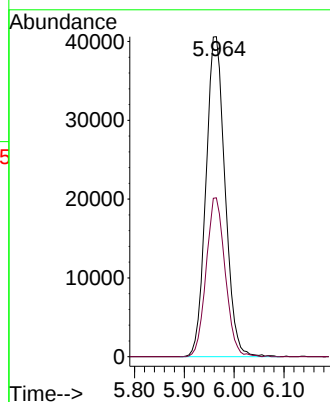
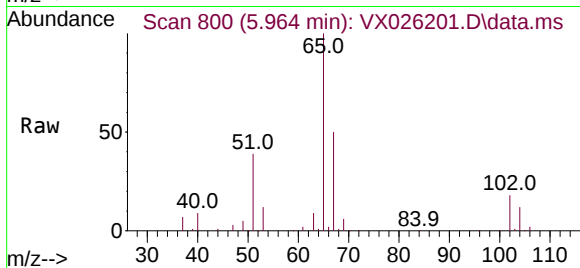
PB141758ZHE#02

Tgt Ion: 65 Resp: 107938

Ion Ratio Lower Upper

65 100

67 49.5 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX026201.D

Acq: 31 Dec 2021 04:48

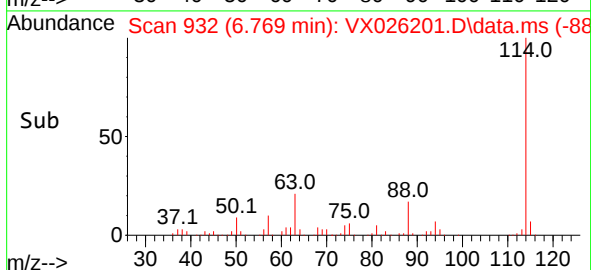
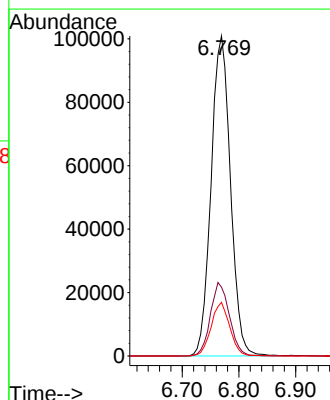
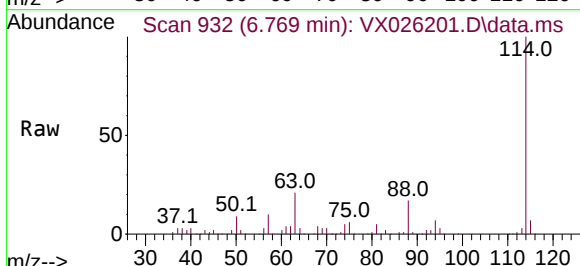
Tgt Ion: 114 Resp: 239575

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

88 16.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.253 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX026201.D

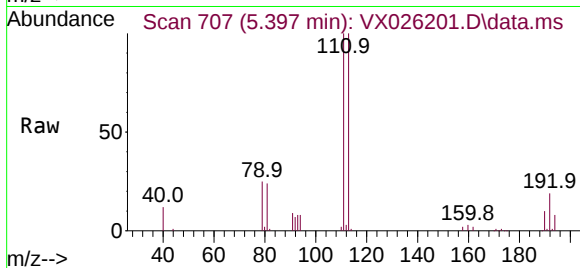
Acq: 31 Dec 2021 04:48

Instrument :

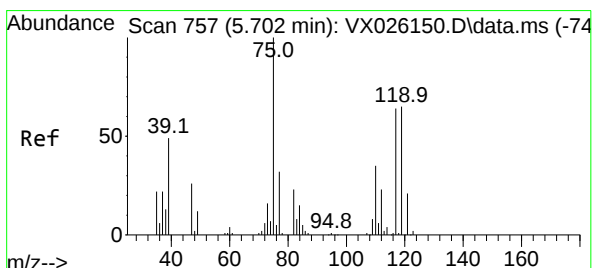
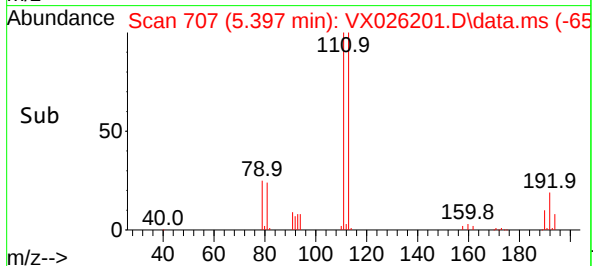
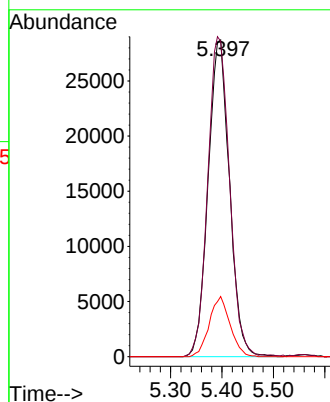
MSVOA_X

ClientSampleId :

PB141758ZHE#02



Tgt Ion:	113	Resp:	82944
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.8	122.8
192	18.5	15.0	22.4



#36

1,1-Dichloropropene

Concen: 5.055 ug/l

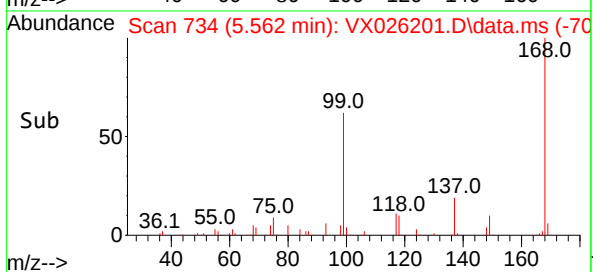
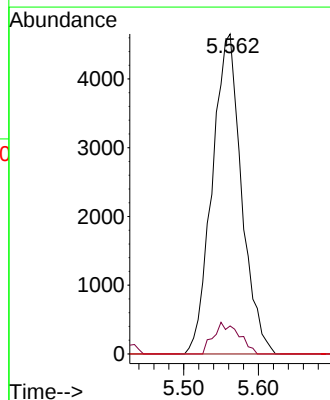
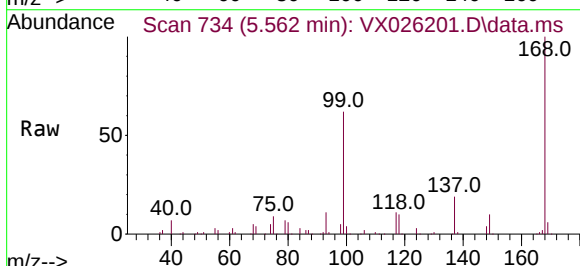
RT: 5.562 min Scan# 734

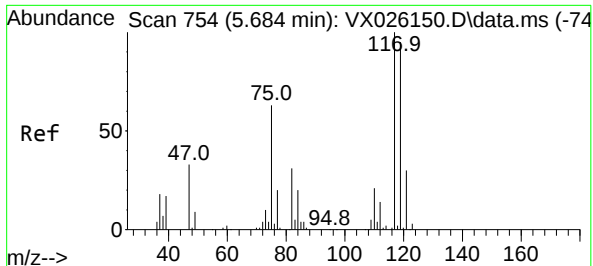
Delta R.T. -0.140 min

Lab File: VX026201.D

Acq: 31 Dec 2021 04:48

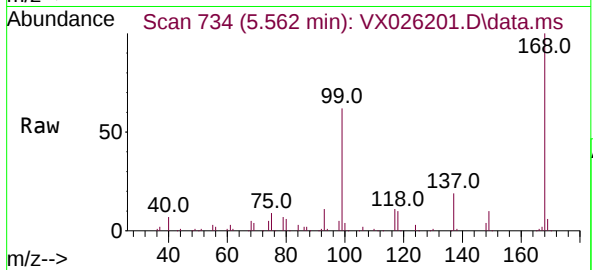
Tgt Ion:	75	Resp:	12699
Ion	Ratio	Lower	Upper
75	100		
110	8.6	18.2	54.6#
77	0.0	24.7	37.1#



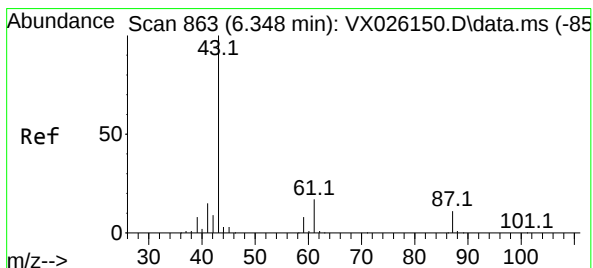
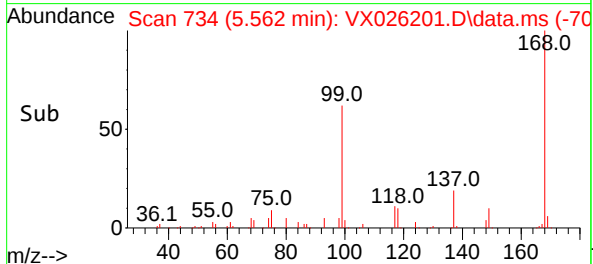
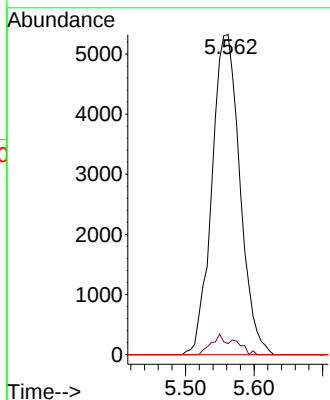


#38
Carbon Tetrachloride
Concen: 5.409 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX026201.D
Acq: 31 Dec 2021 04:48

Instrument :
MSVOA_X
ClientSampleId :
PB141758ZHE#02

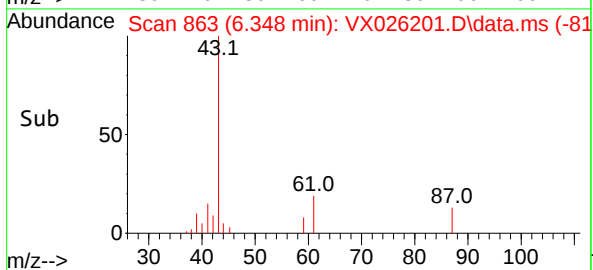
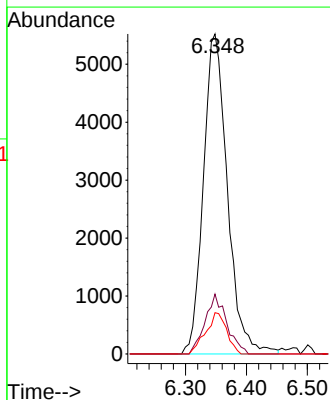
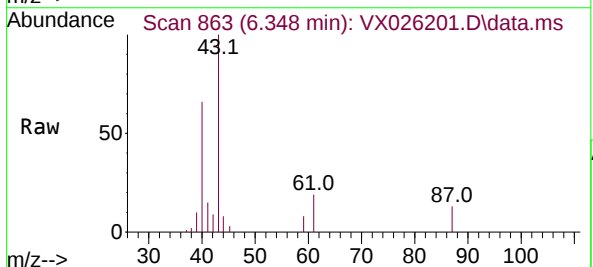


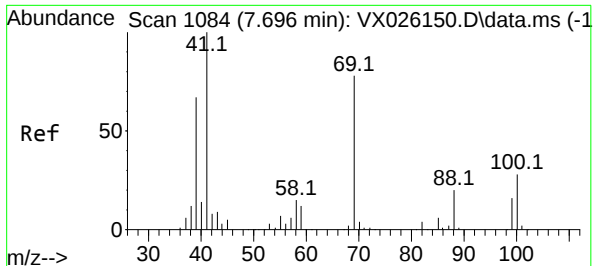
Tgt Ion:117 Resp: 15115
Ion Ratio Lower Upper
117 100
119 3.4 77.2 115.8#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.190 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX026201.D
Acq: 31 Dec 2021 04:48

Tgt Ion: 43 Resp: 15144
Ion Ratio Lower Upper
43 100
61 16.8 15.7 23.5
87 11.2 11.2 16.8#

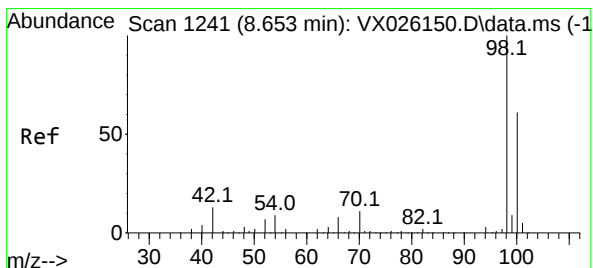
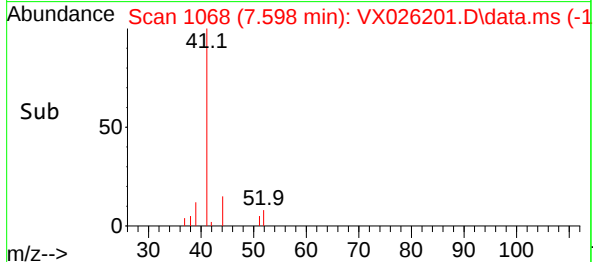
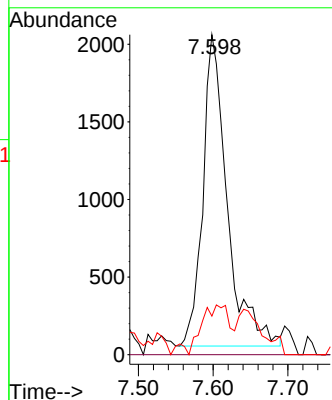
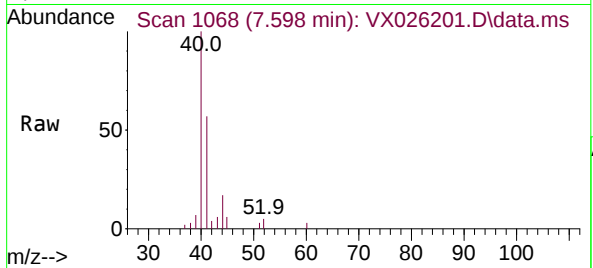




#48
Methyl methacrylate
Concen: 1.998 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX026201.D
Acq: 31 Dec 2021 04:48

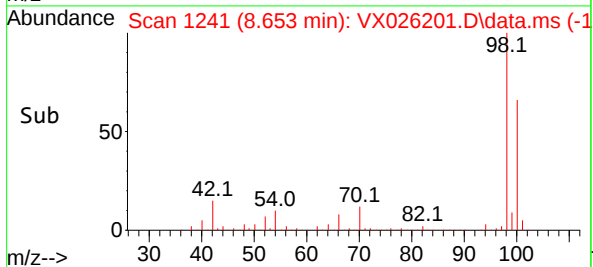
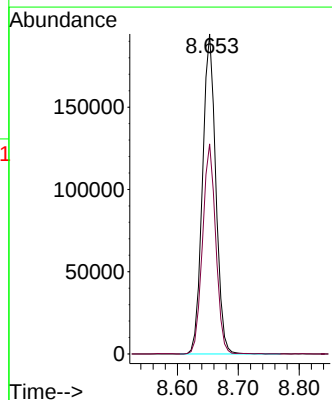
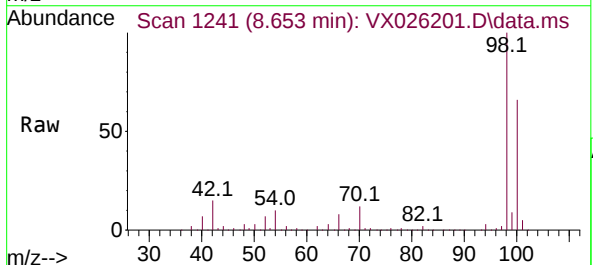
Instrument :
MSVOA_X
ClientSampleId :
PB141758ZHE#02

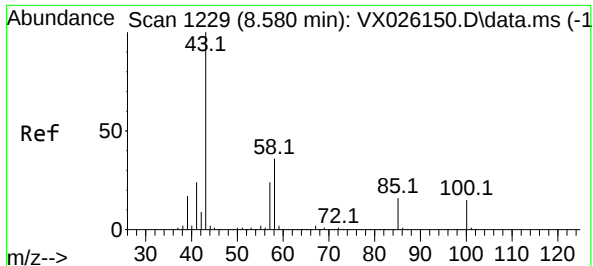
Tgt Ion: 41 Resp: 4549
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 0.0 50.2 75.2#



#50
Toluene-d8
Concen: 50.920 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX026201.D
Acq: 31 Dec 2021 04:48

Tgt Ion: 98 Resp: 295005
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 17.880 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX026201.D

Acq: 31 Dec 2021 04:48

Instrument :

MSVOA_X

ClientSampleId :

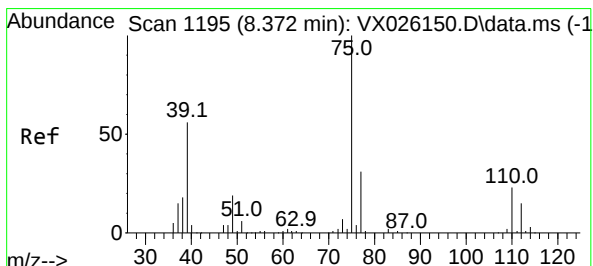
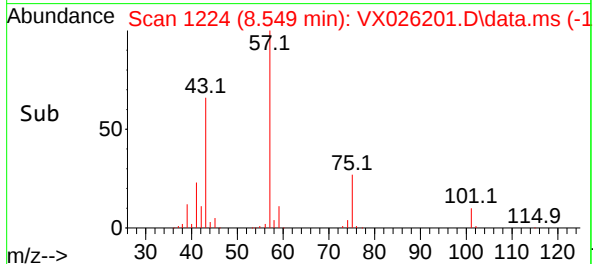
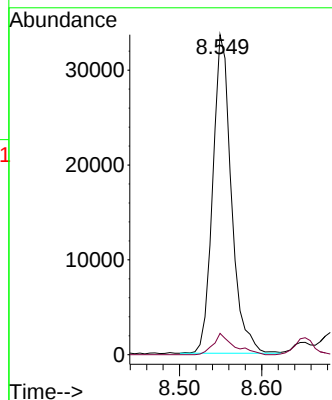
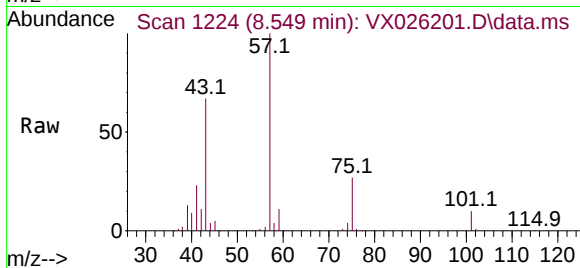
PB141758ZHE#02

Tgt Ion: 43 Resp: 52823

Ion Ratio Lower Upper

43 100

58 7.4 30.8 46.2#



#54

cis-1,3-Dichloropropene

Concen: 7.350 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. 0.183 min

Lab File: VX026201.D

Acq: 31 Dec 2021 04:48

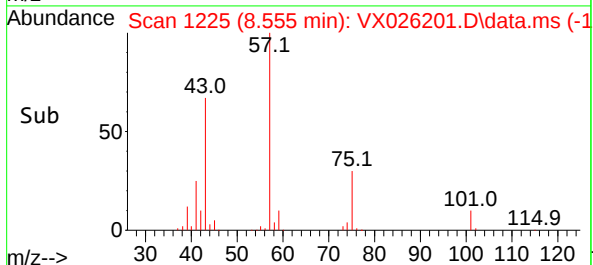
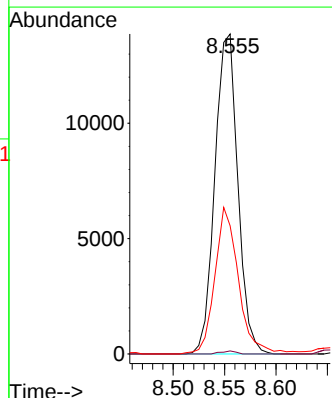
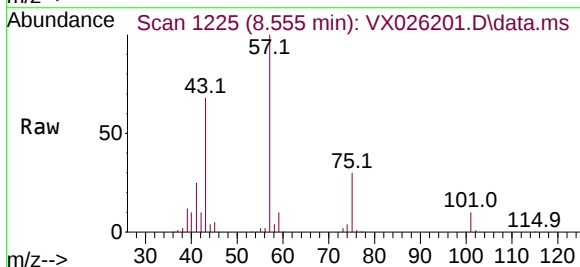
Tgt Ion: 75 Resp: 21499

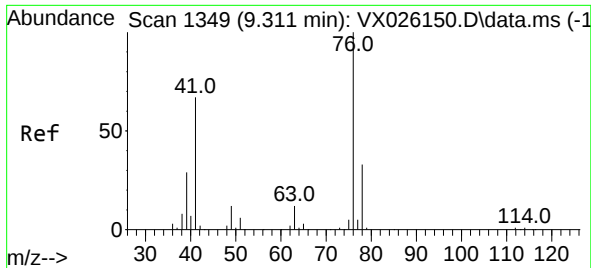
Ion Ratio Lower Upper

75 100

77 1.0 25.3 37.9#

39 40.1 41.4 62.0#





#57

1,3-Dichloropropane

Concen: 4.196 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.177 min

Lab File: VX026201.D

Acq: 31 Dec 2021 04:48

Instrument :

MSVOA_X

ClientSampleId :

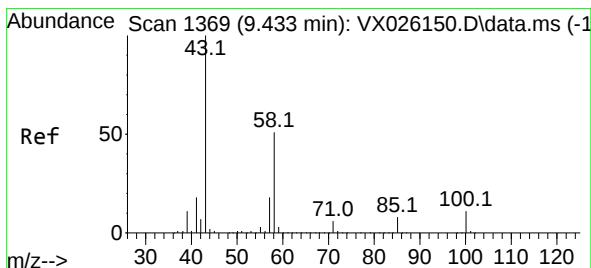
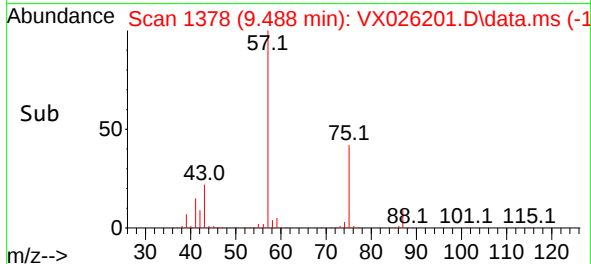
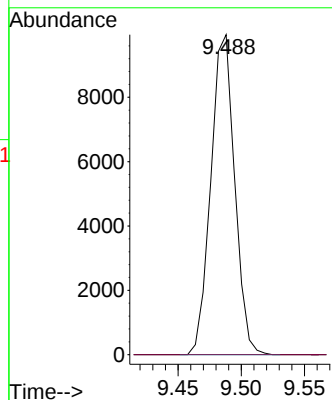
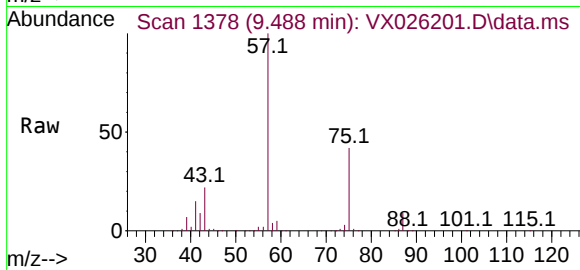
PB141758ZHE#02

Tgt Ion: 76 Resp: 13039

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 90.076 ug/l

RT: 9.488 min Scan# 1378

Delta R.T. 0.055 min

Lab File: VX026201.D

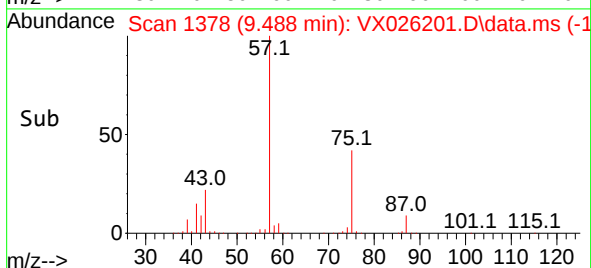
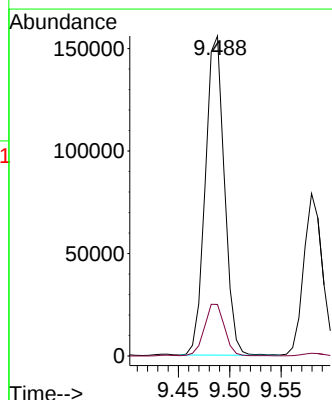
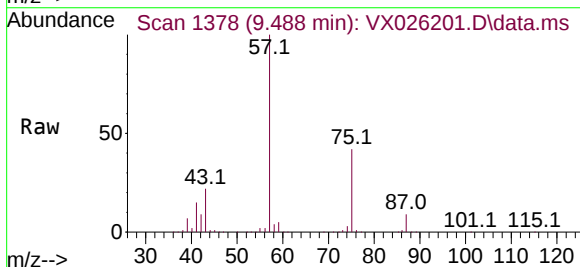
Acq: 31 Dec 2021 04:48

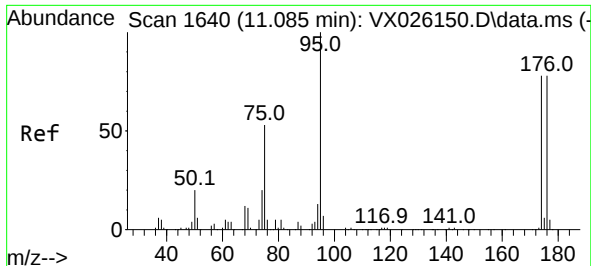
Tgt Ion: 43 Resp: 201575

Ion Ratio Lower Upper

43 100

58 17.0 26.9 80.6#

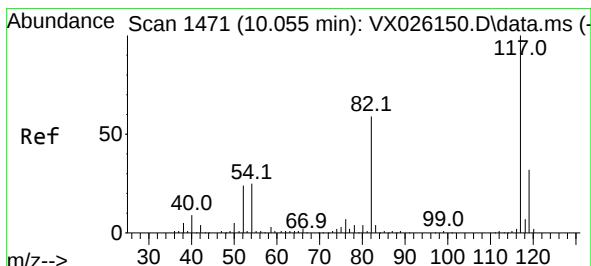
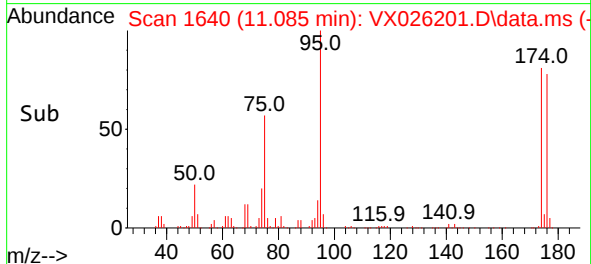
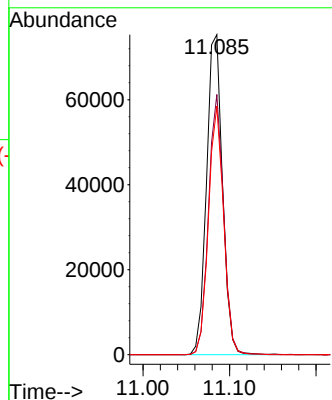
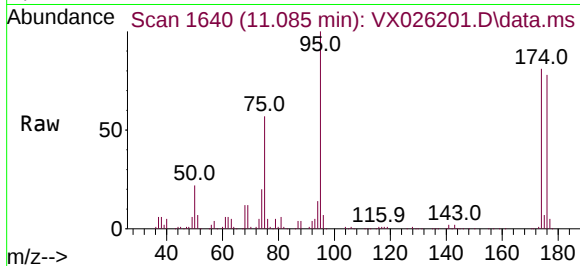




#62
4-Bromofluorobenzene
Concen: 46.730 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX026201.D
Acq: 31 Dec 2021 04:48

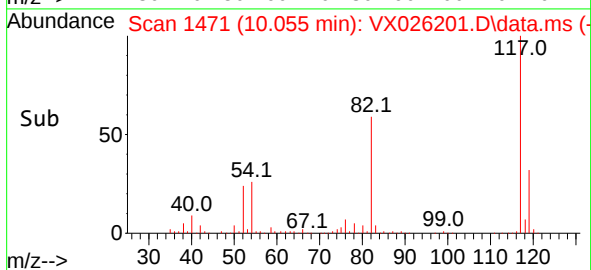
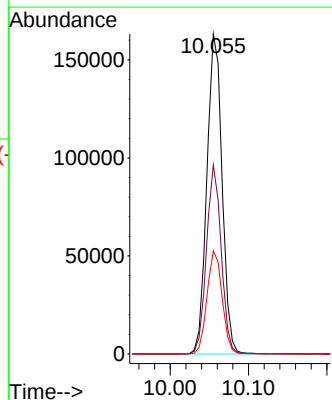
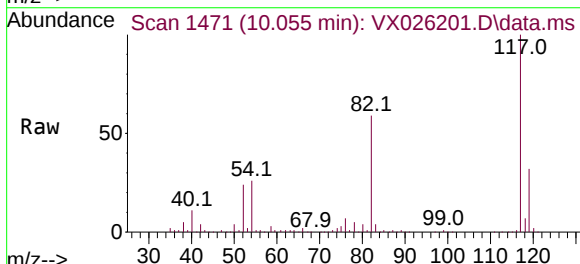
Instrument :
MSVOA_X
ClientSampleId :
PB141758ZHE#02

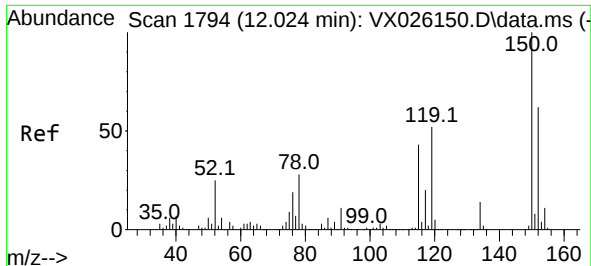
Tgt Ion: 95 Resp: 96377
Ion Ratio Lower Upper
95 100
174 77.5 0.0 157.4
176 73.8 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX026201.D
Acq: 31 Dec 2021 04:48

Tgt Ion: 117 Resp: 219587
Ion Ratio Lower Upper
117 100
82 59.0 43.8 65.6
119 32.3 25.2 37.8

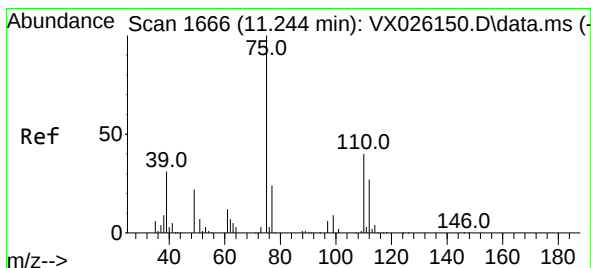
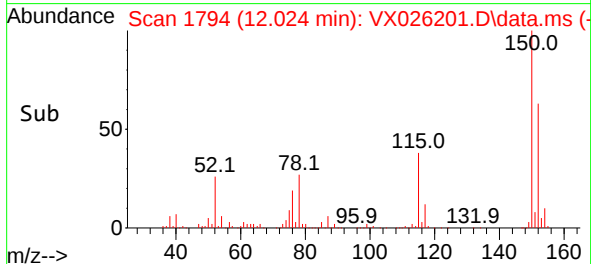
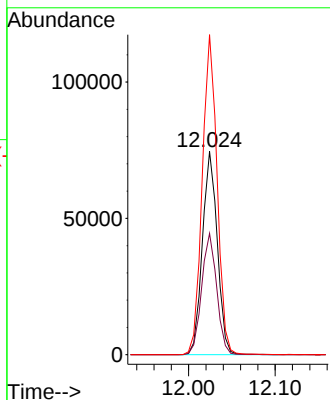
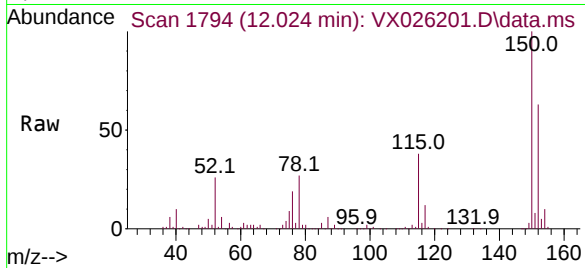




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX026201.D
 Acq: 31 Dec 2021 04:48

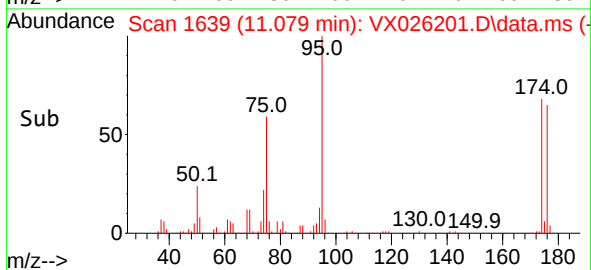
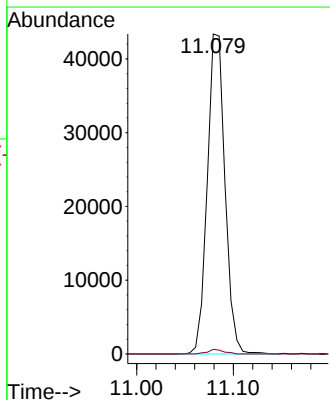
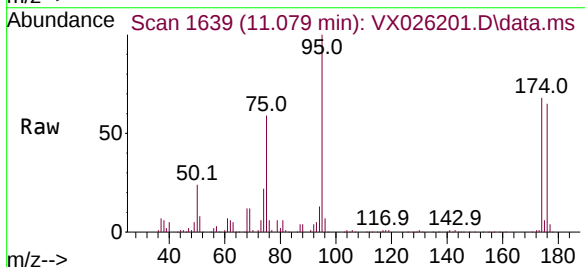
Instrument :
 MSVOA_X
 ClientSampleId :
 PB141758ZHE#02

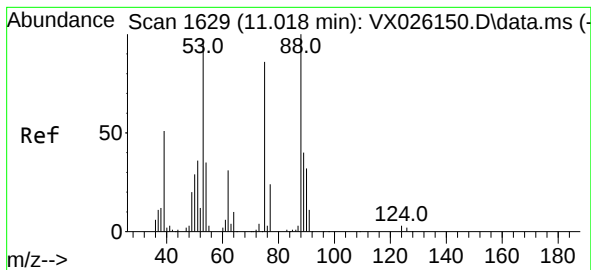
Tgt Ion:152 Resp: 88988
 Ion Ratio Lower Upper
 152 100
 115 60.1 41.3 123.9
 150 156.9 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 25.731 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX026201.D
 Acq: 31 Dec 2021 04:48

Tgt Ion: 75 Resp: 55268
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.0 57.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.439 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX026201.D
 Acq: 31 Dec 2021 04:48

Instrument :
 MSVOA_X
 ClientSampleId :
 PB141758ZHE#02

Tgt Ion: 75 Resp: 55268
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 38.3 57.5#

