

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123121\
 Data File : VX026203.D
 Acq On : 31 Dec 2021 05:34
 Operator : JC/MD
 Sample : PB141758ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB141758ZHE#04

Quant Time: Dec 31 21:36:42 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)

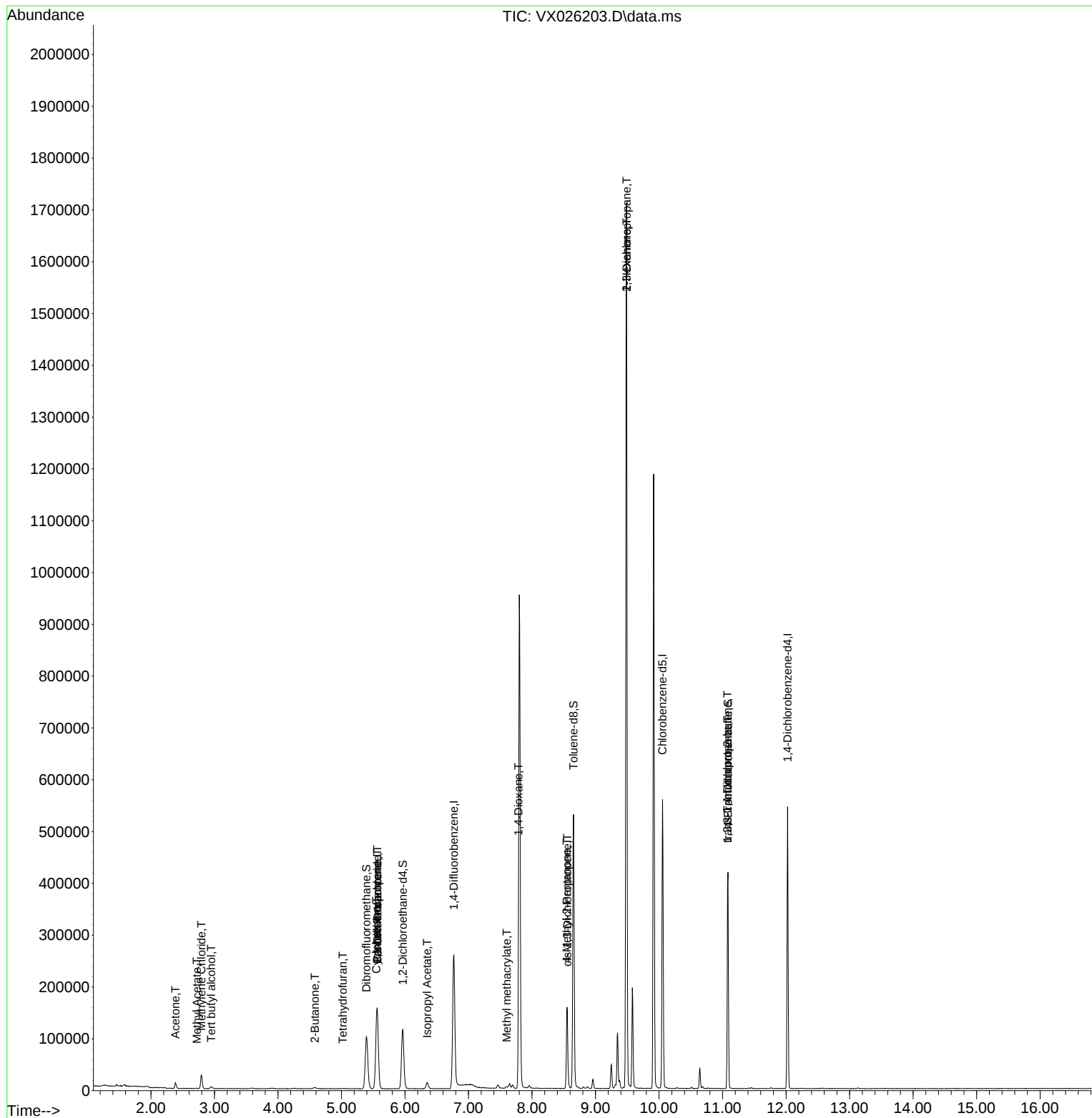
Internal Standards						
1) Pentafluorobenzene	5.562	168	139835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	244561	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	224952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	108961	53.861	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.720%	
35) Dibromofluoromethane	5.391	113	84592	53.204	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.400%	
50) Toluene-d8	8.653	98	293516	49.630	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.260%	
62) 4-Bromofluorobenzene	11.085	95	102026	48.461	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.920%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.946	59	2677	6.625	ug/l #	73
16) Acetone	2.386	43	12435	11.345	ug/l	90
18) Methyl Acetate	2.721	43	1371	0.386	ug/l #	87
20) Methylene Chloride	2.794	84	10616	5.211	ug/l #	88
25) 2-Butanone	4.580	43	3280	2.148	ug/l	91
29) Tetrahydrofuran	5.019	42	223	0.232	ug/l #	52
31) Cyclohexane	5.550	56	3886	1.349	ug/l #	34
36) 1,1-Dichloropropene	5.562	75	12372	4.824	ug/l #	50
38) Carbon Tetrachloride	5.562	117	15210	5.332	ug/l #	16
43) Isopropyl Acetate	6.348	43	15667	3.233	ug/l	96
48) Methyl methacrylate	7.604	41	4920	2.117	ug/l #	12
49) 1,4-Dioxane	7.787	88	53	1.237	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	58045	19.247	ug/l #	48
54) cis-1,3-Dichloropropene	8.555	75	23056	7.722	ug/l #	68
57) 1,3-Dichloropropane	9.488	76	13831	4.360	ug/l #	43
59) 2-Hexanone	9.488	43	214961	94.100	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	58431	25.250	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	58431	73.050	ug/l #	10

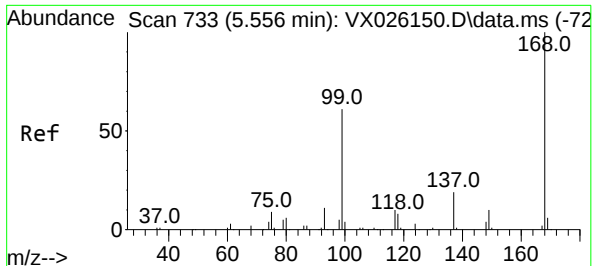
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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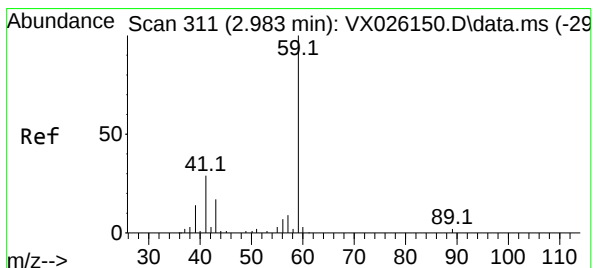
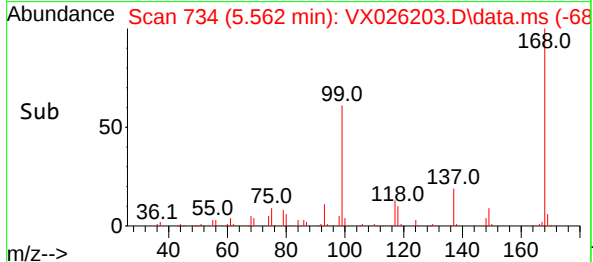
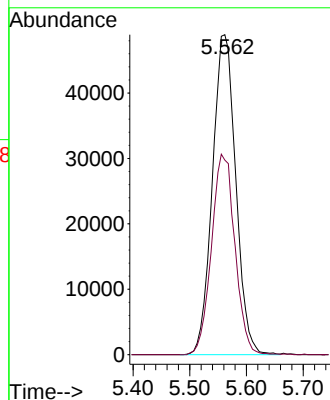
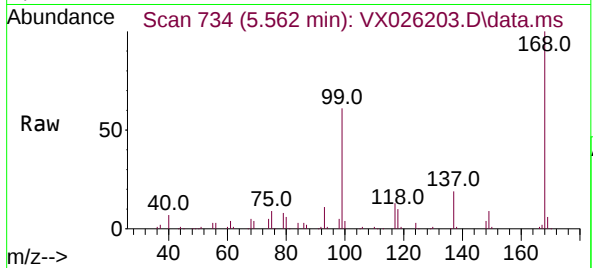




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026203.D
Acq: 31 Dec 2021 05:34

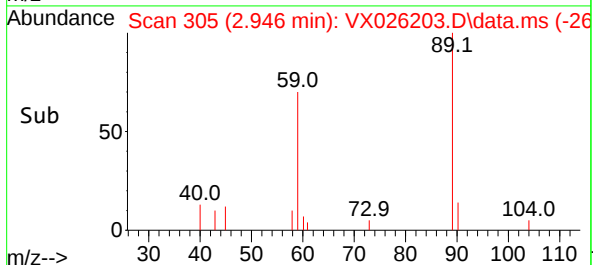
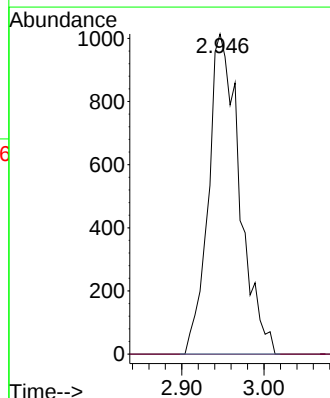
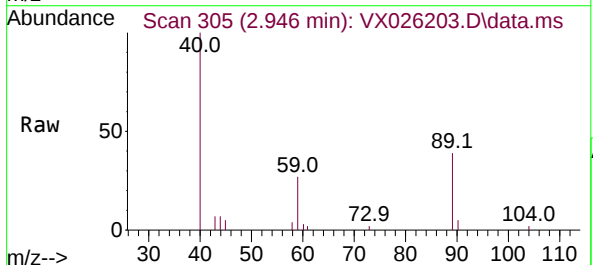
Instrument :
MSVOA_X
ClientSampleId :
PB141758ZHE#04

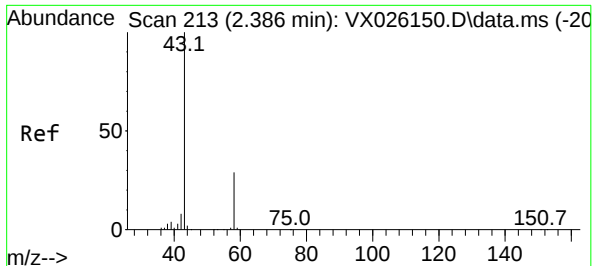
Tgt Ion:168 Resp: 139835
Ion Ratio Lower Upper
168 100
99 60.8 45.8 68.8



#11
Tert butyl alcohol
Concen: 6.625 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX026203.D
Acq: 31 Dec 2021 05:34

Tgt Ion: 59 Resp: 2677
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

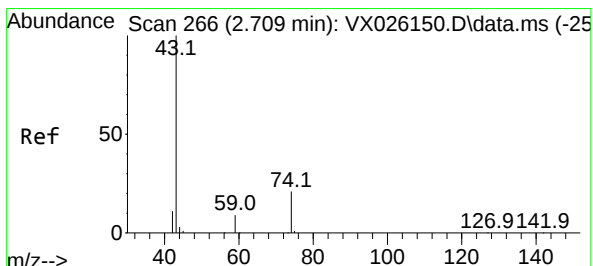
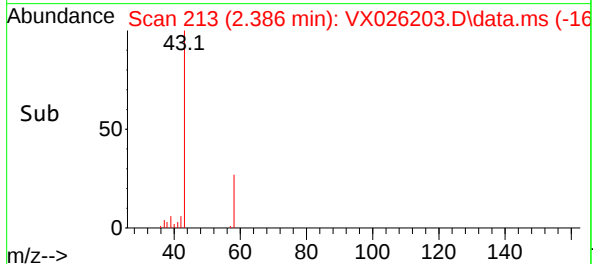
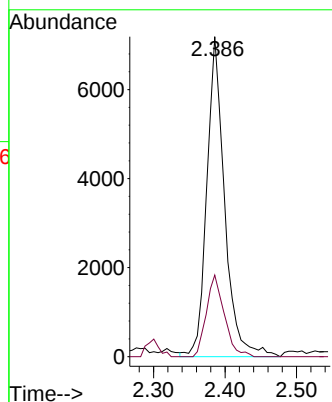
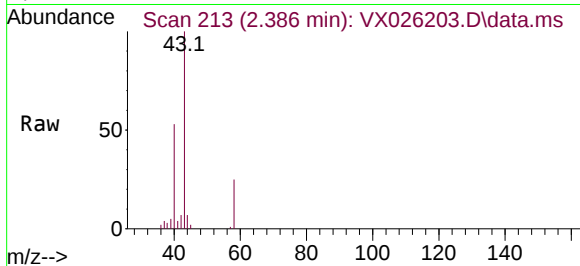




#16
Acetone
Concen: 11.345 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX026203.D
Acq: 31 Dec 2021 05:34

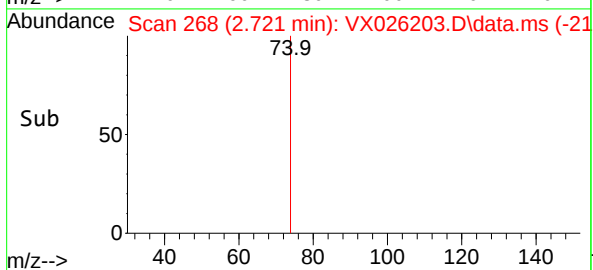
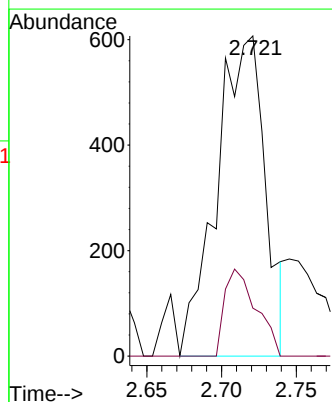
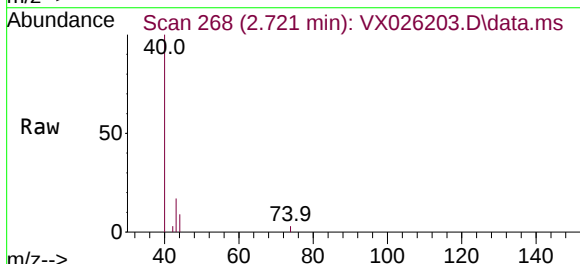
Instrument :
MSVOA_X
ClientSampleId :
PB141758ZHE#04

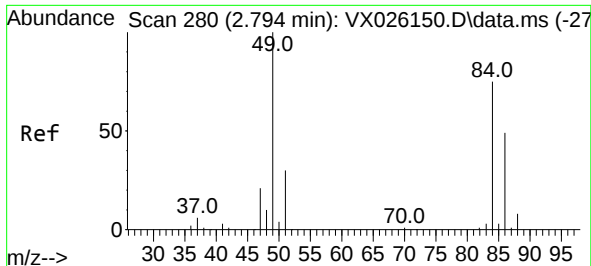
Tgt Ion: 43 Resp: 12435
Ion Ratio Lower Upper
43 100
58 25.5 24.8 37.2



#18
Methyl Acetate
Concen: 0.386 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.012 min
Lab File: VX026203.D
Acq: 31 Dec 2021 05:34

Tgt Ion: 43 Resp: 1371
Ion Ratio Lower Upper
43 100
74 17.7 19.1 28.7#





#20

Methylene Chloride

Concen: 5.211 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX026203.D

Acq: 31 Dec 2021 05:34

Instrument :

MSVOA_X

ClientSampleId :

PB141758ZHE#04

Tgt Ion: 84 Resp: 10616

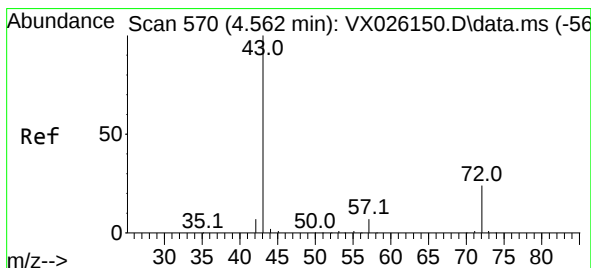
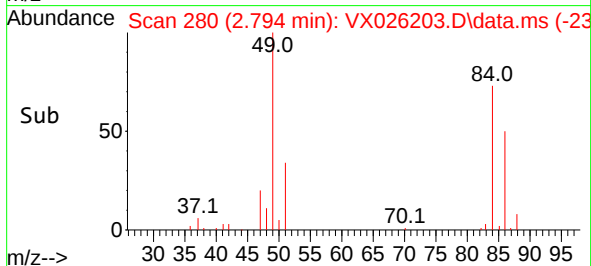
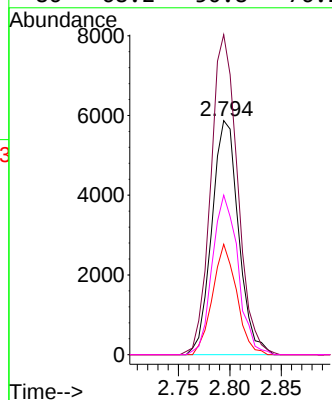
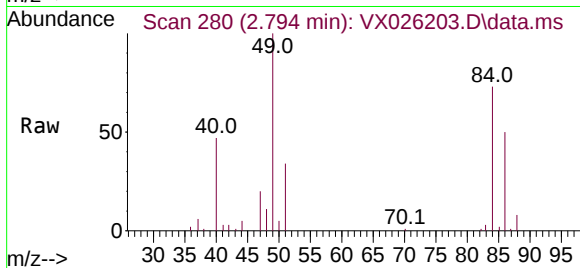
Ion Ratio Lower Upper

84 100

49 136.7 97.1 145.7

51 47.1 29.3 43.9#

86 68.2 50.8 76.2



#25

2-Butanone

Concen: 2.148 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.018 min

Lab File: VX026203.D

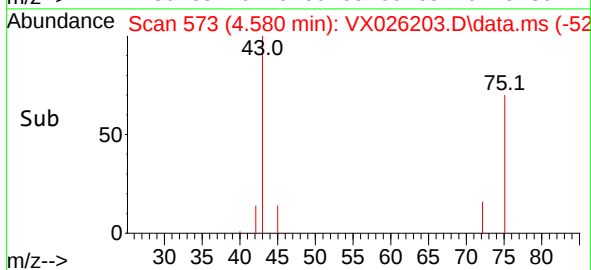
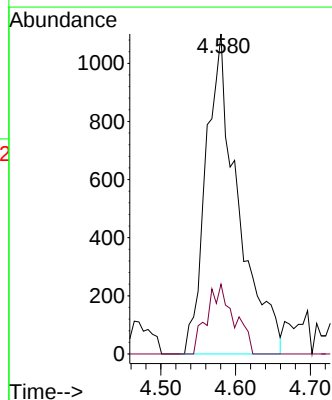
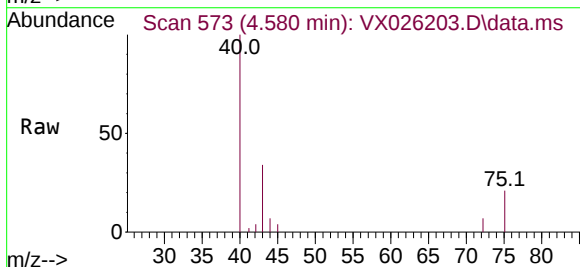
Acq: 31 Dec 2021 05:34

Tgt Ion: 43 Resp: 3280

Ion Ratio Lower Upper

43 100

72 21.8 21.0 31.4





#29

Tetrahydrofuran

Concen: 0.232 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX026203.D

Acq: 31 Dec 2021 05:34

Instrument :

MSVOA_X

ClientSampleId :

PB141758ZHE#04

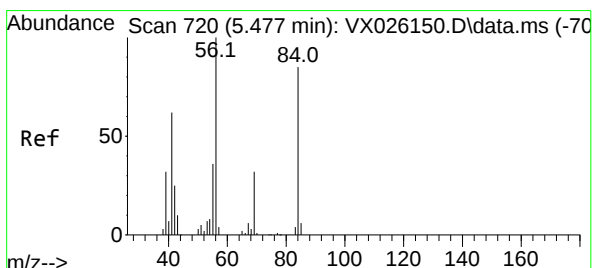
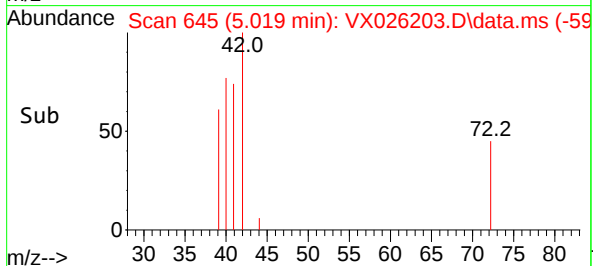
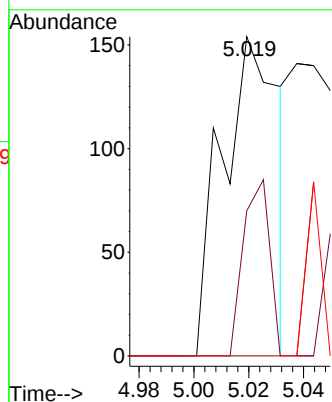
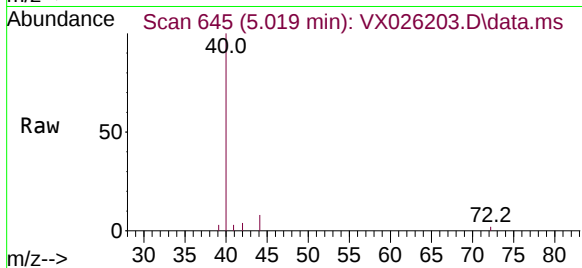
Tgt Ion: 42 Resp: 223

Ion Ratio Lower Upper

42 100

72 25.6 37.0 55.6#

71 0.0 34.1 51.1#



#31

Cyclohexane

Concen: 1.349 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.073 min

Lab File: VX026203.D

Acq: 31 Dec 2021 05:34

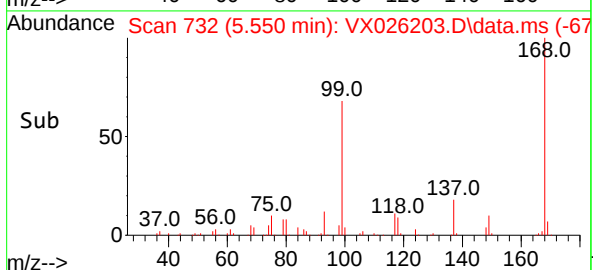
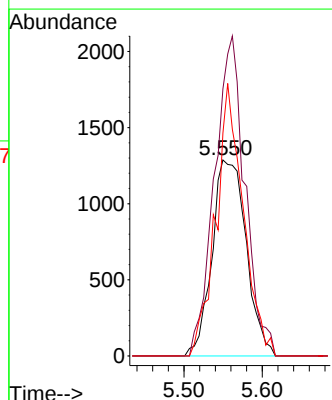
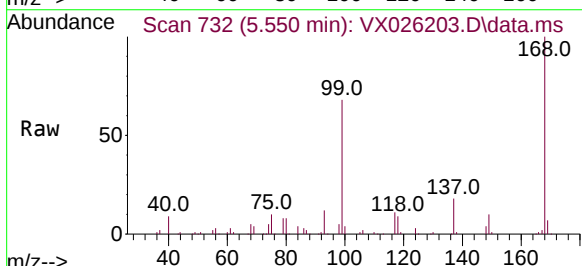
Tgt Ion: 56 Resp: 3886

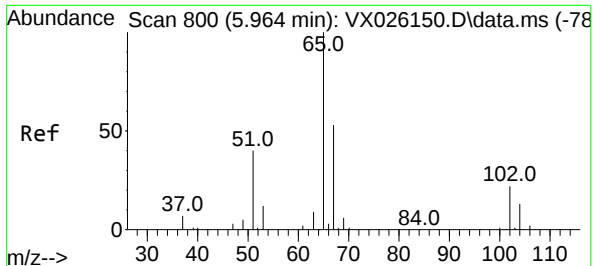
Ion Ratio Lower Upper

56 100

69 136.2 23.9 35.9#

84 113.7 73.2 109.8#





#33

1,2-Dichloroethane-d4

Concen: 53.861 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX026203.D

Acq: 31 Dec 2021 05:34

Instrument :

MSVOA_X

ClientSampleId :

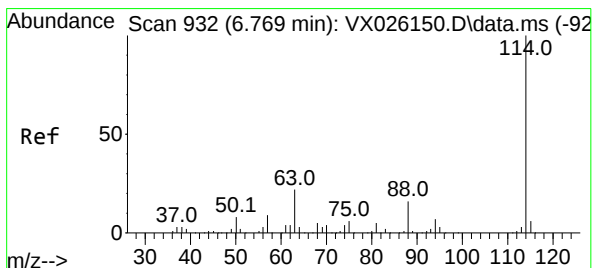
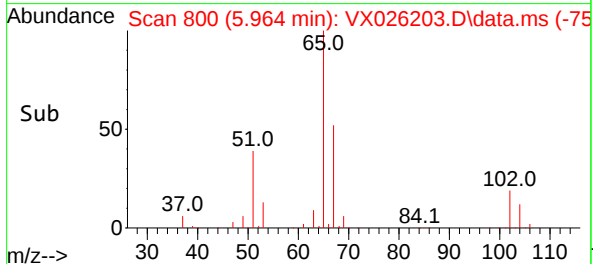
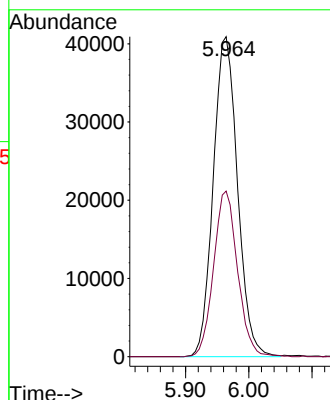
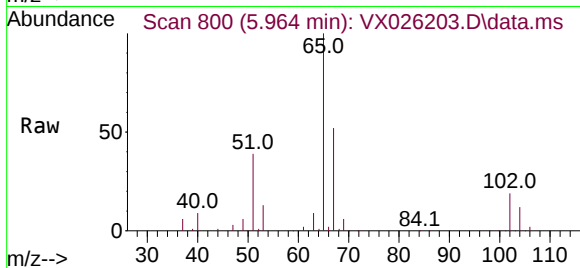
PB141758ZHE#04

Tgt Ion: 65 Resp: 108961

Ion Ratio Lower Upper

65 100

67 51.1 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: VX026203.D

Acq: 31 Dec 2021 05:34

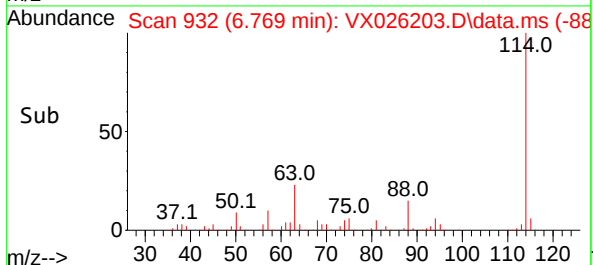
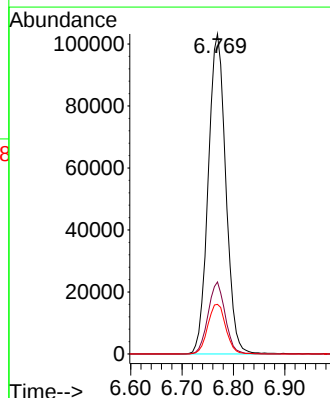
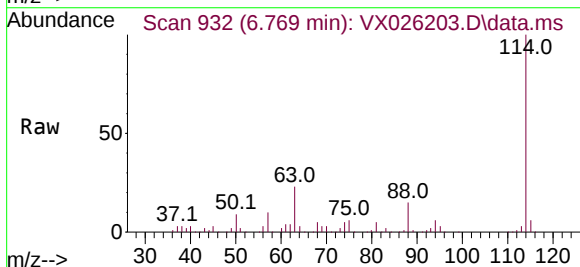
Tgt Ion: 114 Resp: 244561

Ion Ratio Lower Upper

114 100

63 22.5 0.0 40.0

88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.204 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX026203.D

Acq: 31 Dec 2021 05:34

Instrument :

MSVOA_X

ClientSampleId :

PB141758ZHE#04

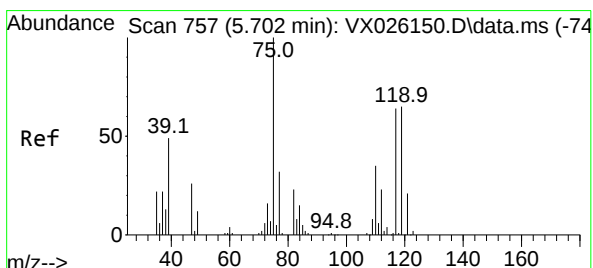
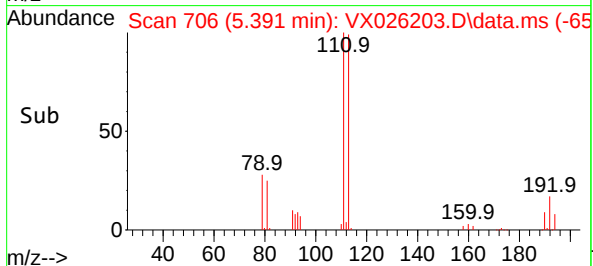
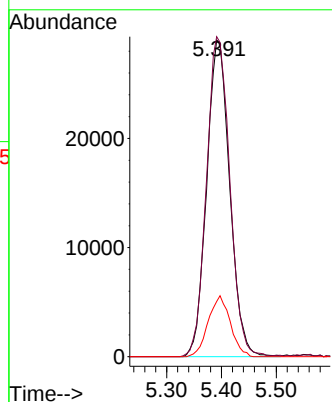
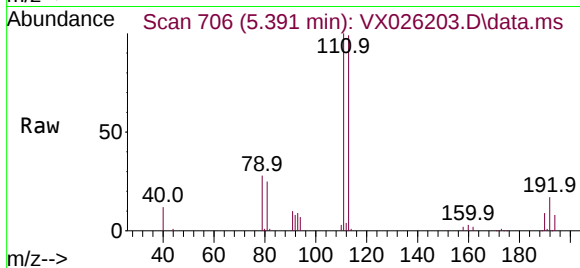
Tgt Ion:113 Resp: 84592

Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.8

192 18.5 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.824 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX026203.D

Acq: 31 Dec 2021 05:34

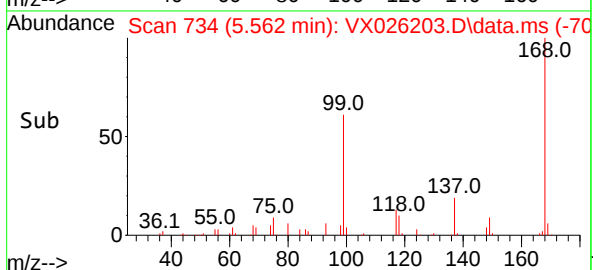
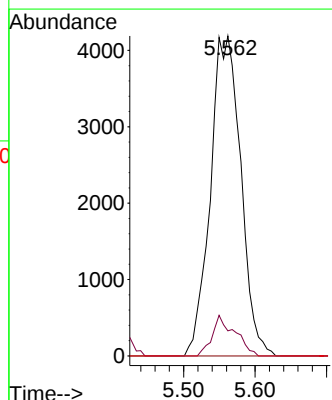
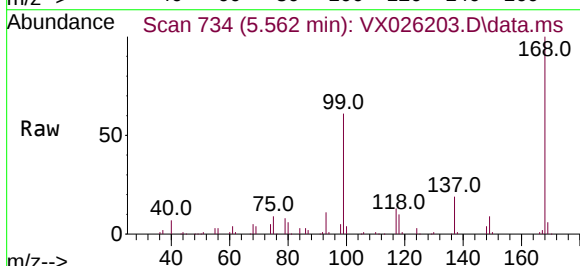
Tgt Ion: 75 Resp: 12372

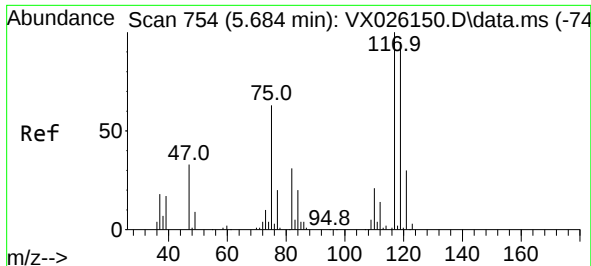
Ion Ratio Lower Upper

75 100

110 9.5 18.2 54.6#

77 0.0 24.7 37.1#

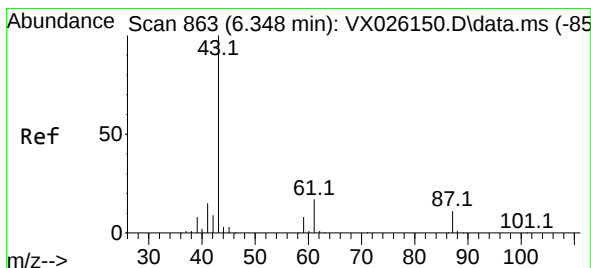
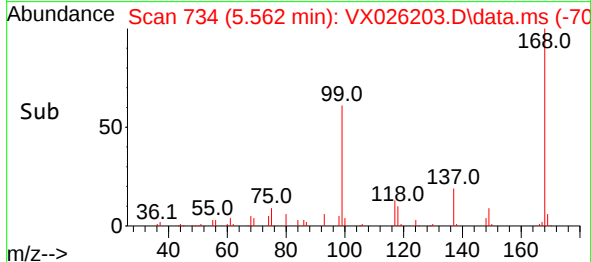
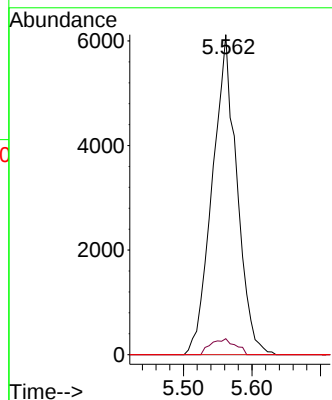
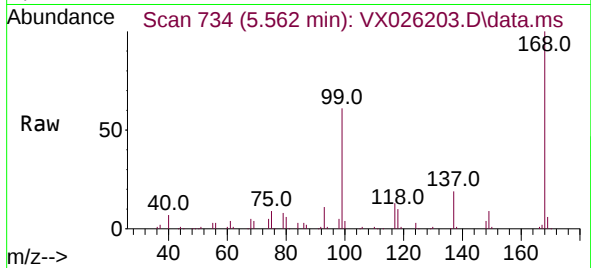




#38
Carbon Tetrachloride
Concen: 5.332 ug/l
RT: 5.562 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX026203.D
Acq: 31 Dec 2021 05:34

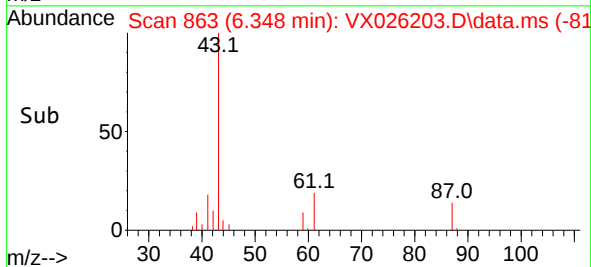
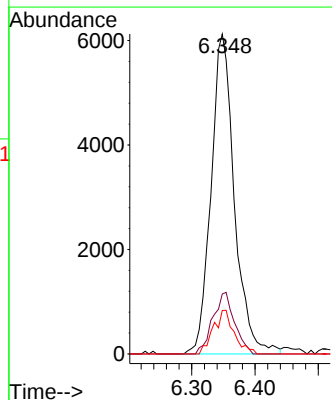
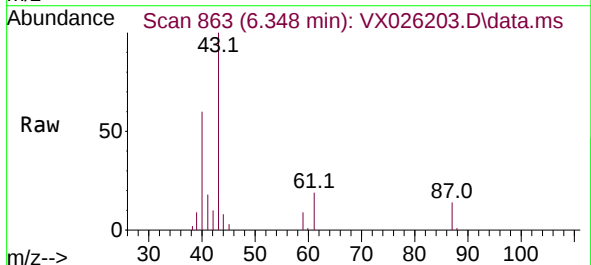
Instrument :
MSVOA_X
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PB141758ZHE#04

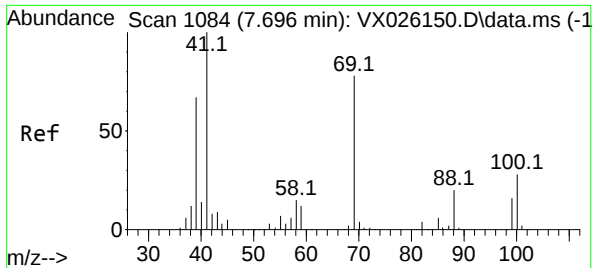
Tgt Ion:117 Resp: 15210
Ion Ratio Lower Upper
117 100
119 5.0 77.2 115.8#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.233 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX026203.D
Acq: 31 Dec 2021 05:34

Tgt Ion: 43 Resp: 15667
Ion Ratio Lower Upper
43 100
61 17.8 15.7 23.5
87 12.1 11.2 16.8





#48

Methyl methacrylate

Concen: 2.117 ug/l

RT: 7.604 min Scan# 1069

Delta R.T. -0.092 min

Lab File: VX026203.D

Acq: 31 Dec 2021 05:34

Instrument :

MSVOA_X

ClientSampleId :

PB141758ZHE#04

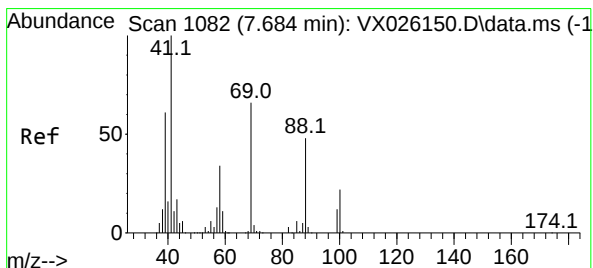
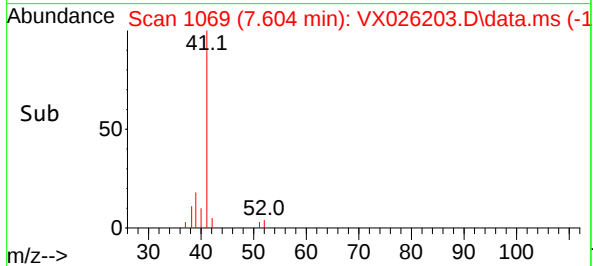
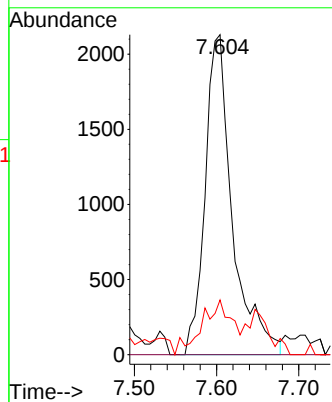
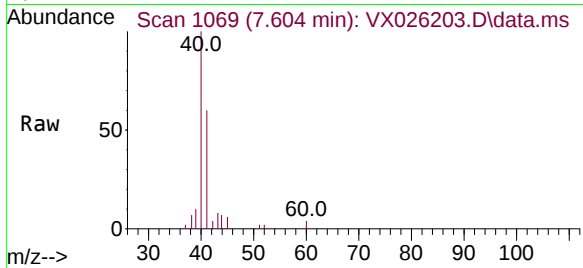
Tgt Ion: 41 Resp: 4920

Ion Ratio Lower Upper

41 100

69 0.0 67.3 100.9#

39 0.0 50.2 75.2#



#49

1,4-Dioxane

Concen: 1.237 ug/l

RT: 7.787 min Scan# 1099

Delta R.T. 0.103 min

Lab File: VX026203.D

Acq: 31 Dec 2021 05:34

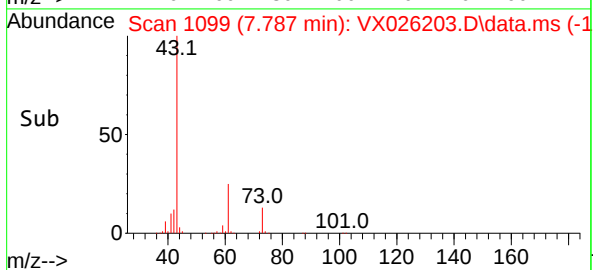
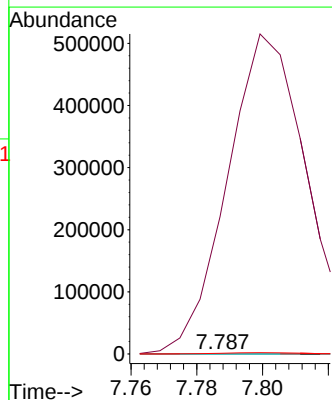
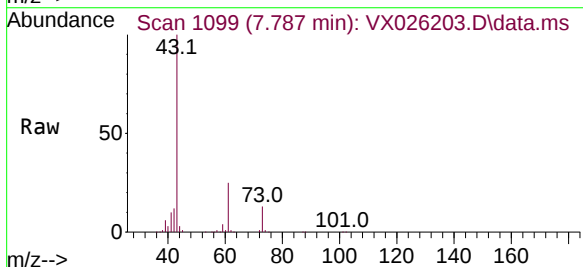
Tgt Ion: 88 Resp: 53

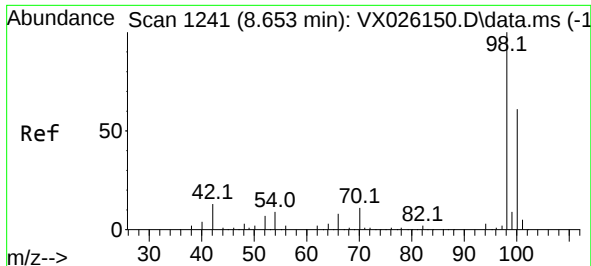
Ion Ratio Lower Upper

88 100

43 1653090.6 25.3 37.9#

58 7037.7 51.8 77.6#

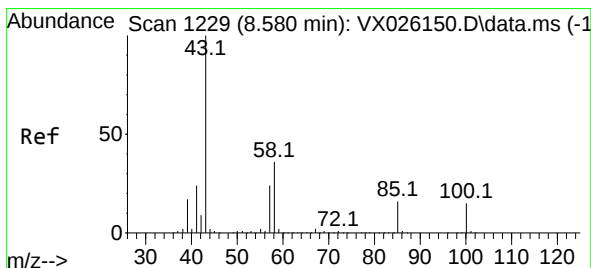
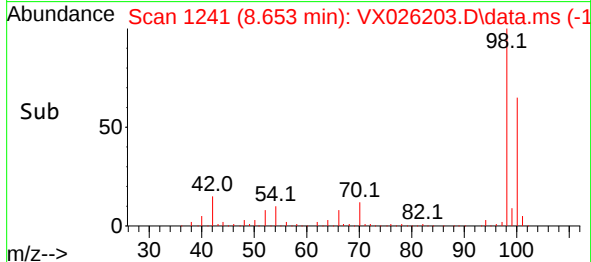
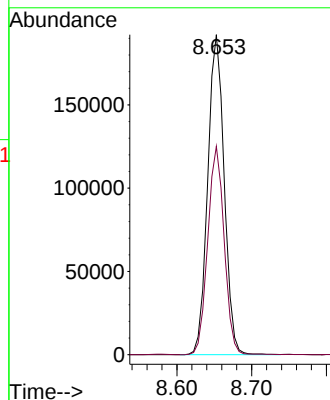
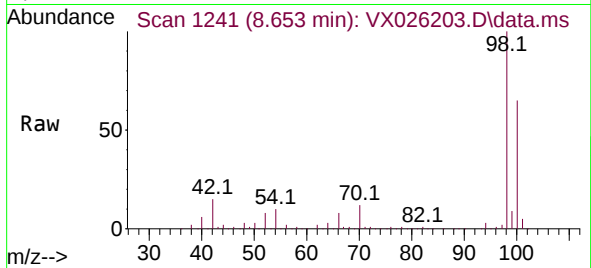




#50
Toluene-d8
Concen: 49.630 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX026203.D
Acq: 31 Dec 2021 05:34

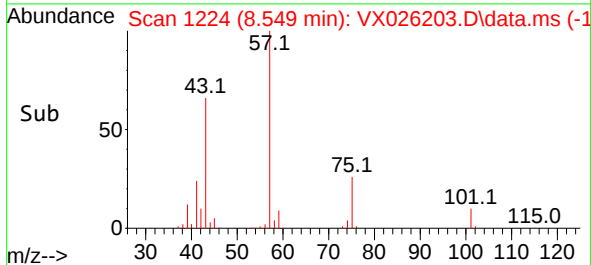
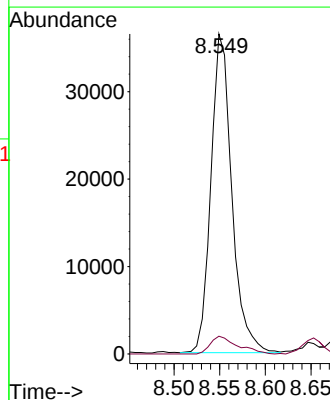
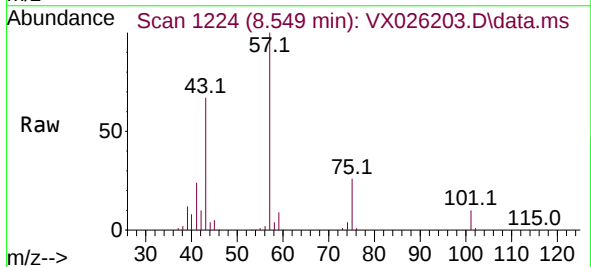
Instrument :
MSVOA_X
ClientSampleId :
PB141758ZHE#04

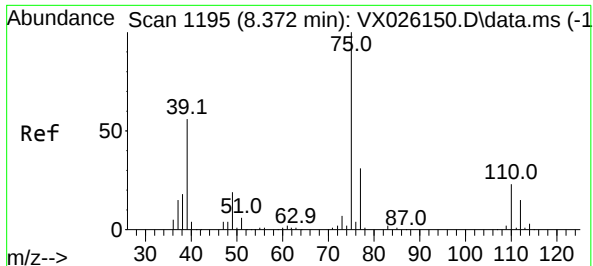
Tgt Ion: 98 Resp: 293516
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 19.247 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX026203.D
Acq: 31 Dec 2021 05:34

Tgt Ion: 43 Resp: 58045
Ion Ratio Lower Upper
43 100
58 7.2 30.8 46.2#

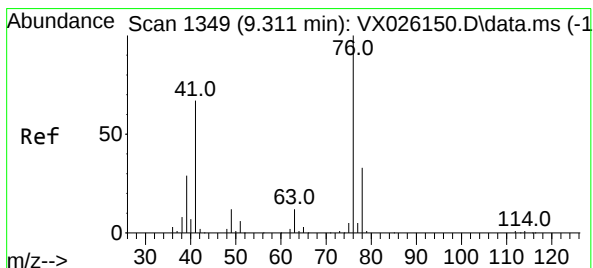
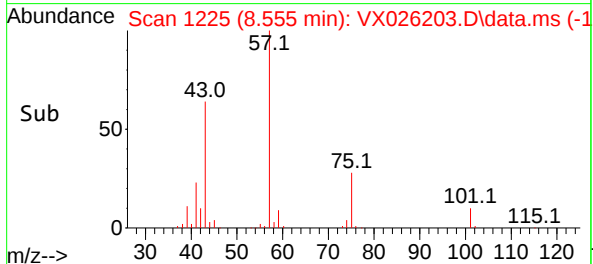
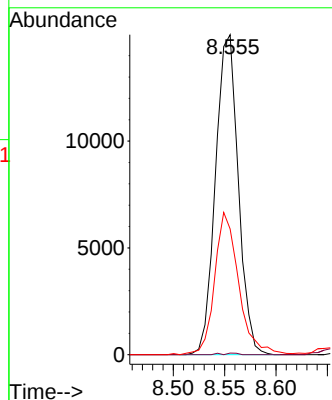
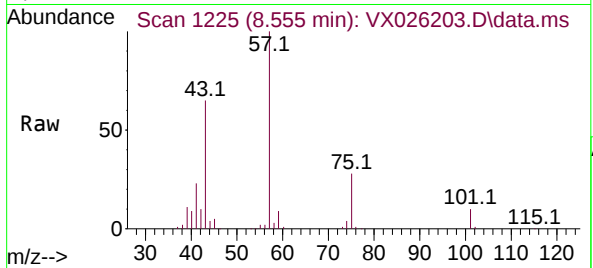




#54
 cis-1,3-Dichloropropene
 Concen: 7.722 ug/l
 RT: 8.555 min Scan# 1195
 Delta R.T. 0.183 min
 Lab File: VX026203.D
 Acq: 31 Dec 2021 05:34

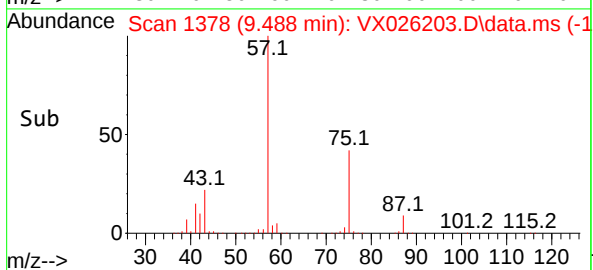
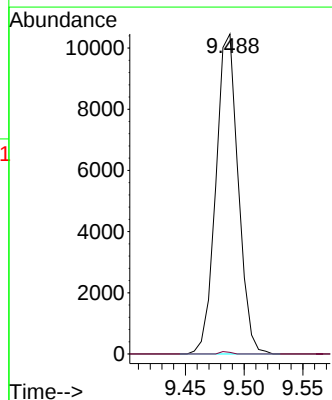
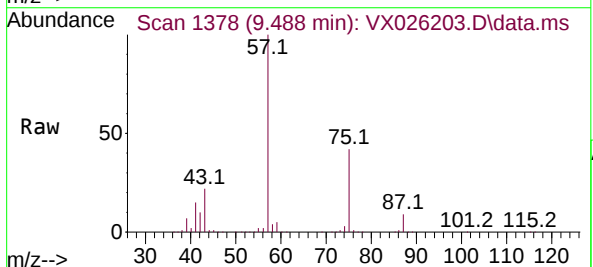
Instrument :
 MSVOA_X
 ClientSampleId :
 PB141758ZHE#04

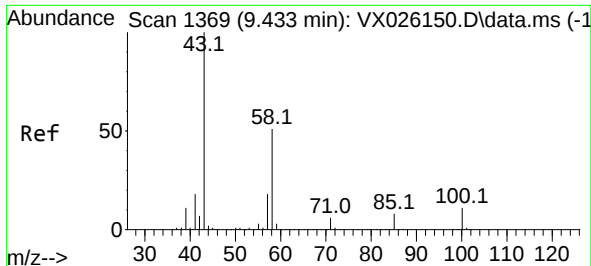
Tgt Ion: 75 Resp: 23056
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 39.3 41.4 62.0#



#57
 1,3-Dichloropropane
 Concen: 4.360 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX026203.D
 Acq: 31 Dec 2021 05:34

Tgt Ion: 76 Resp: 13831
 Ion Ratio Lower Upper
 76 100
 78 0.4 26.0 39.0#

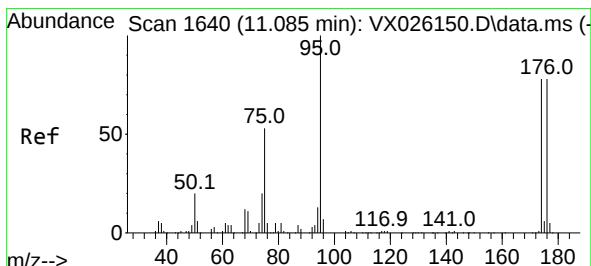
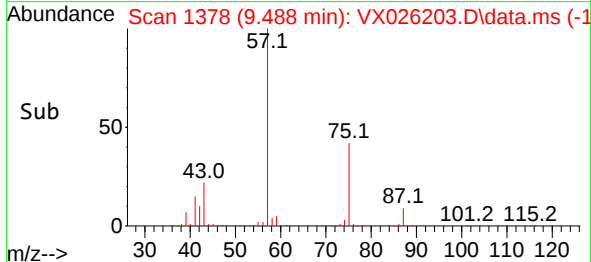
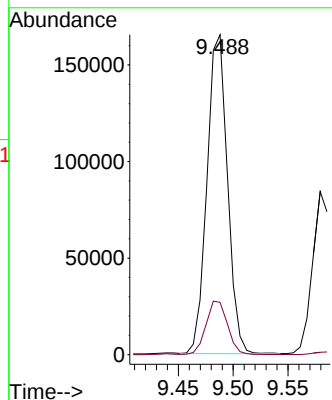
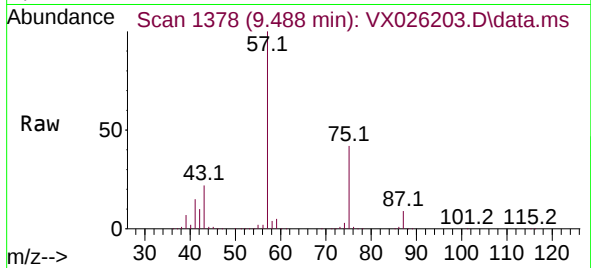




#59
2-Hexanone
Concen: 94.100 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX026203.D
Acq: 31 Dec 2021 05:34

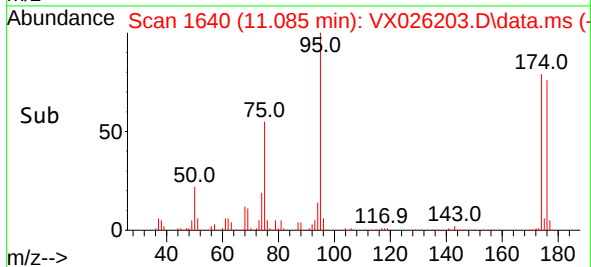
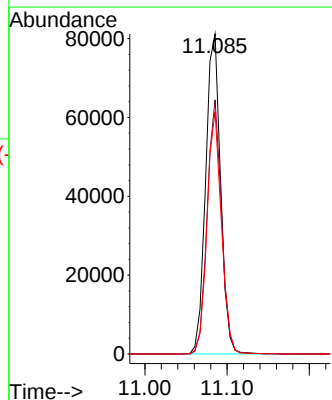
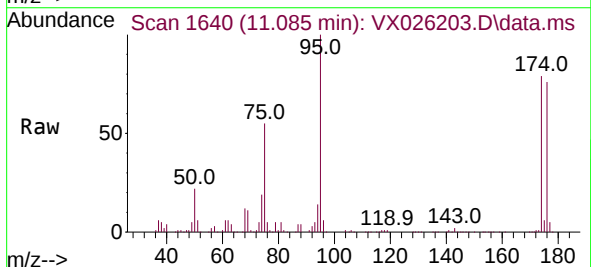
Instrument :
MSVOA_X
ClientSampleId :
PB141758ZHE#04

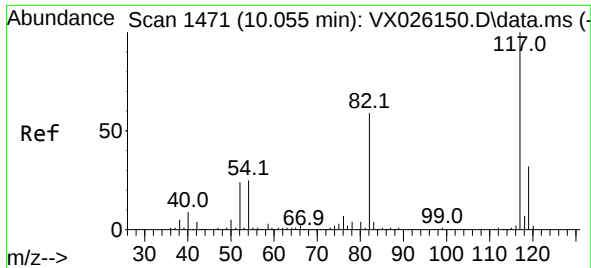
Tgt Ion: 43 Resp: 214961
Ion Ratio Lower Upper
43 100
58 17.6 26.9 80.6#



#62
4-Bromofluorobenzene
Concen: 48.461 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX026203.D
Acq: 31 Dec 2021 05:34

Tgt Ion: 95 Resp: 102026
Ion Ratio Lower Upper
95 100
174 76.8 0.0 157.4
176 73.3 0.0 154.6

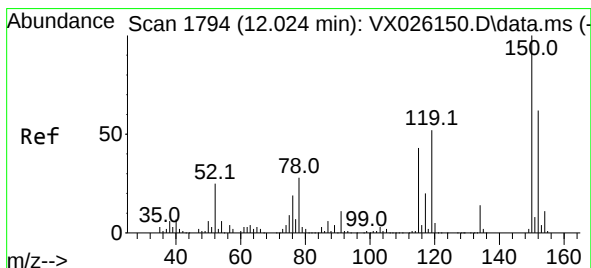
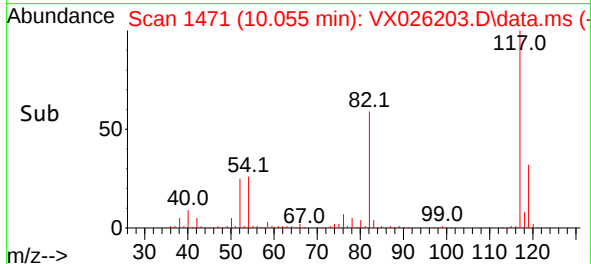
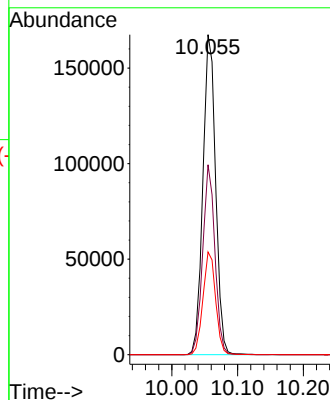
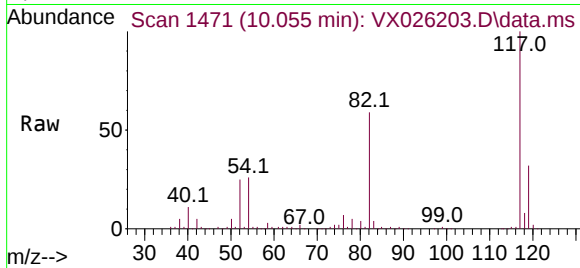




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026203.D
Acq: 31 Dec 2021 05:34

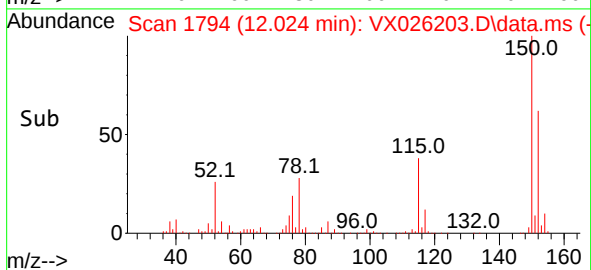
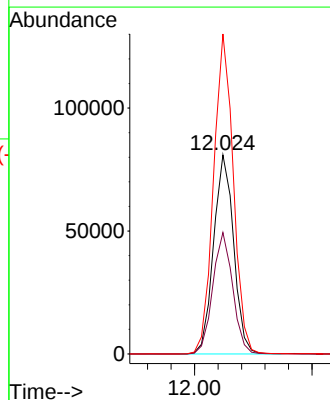
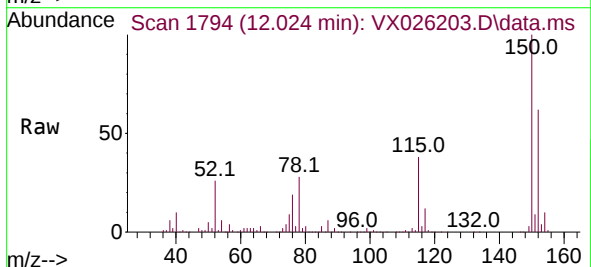
Instrument :
MSVOA_X
ClientSampleId :
PB141758ZHE#04

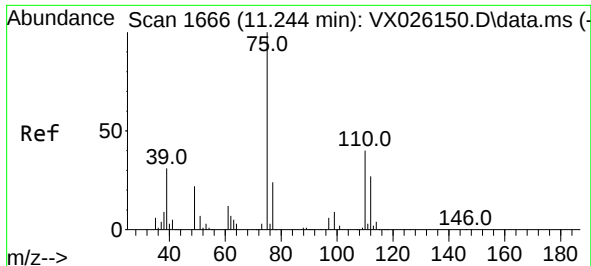
Tgt Ion:117 Resp: 224952
Ion Ratio Lower Upper
117 100
82 59.3 43.8 65.6
119 32.1 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026203.D
Acq: 31 Dec 2021 05:34

Tgt Ion:152 Resp: 95870
Ion Ratio Lower Upper
152 100
115 60.7 41.3 123.9
150 158.4 0.0 351.8

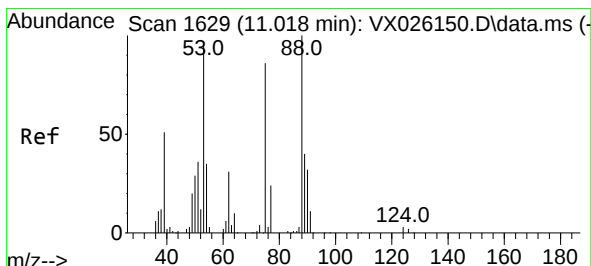
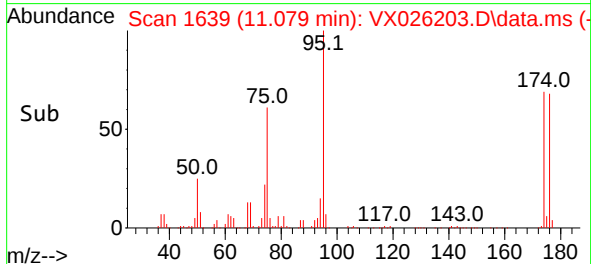
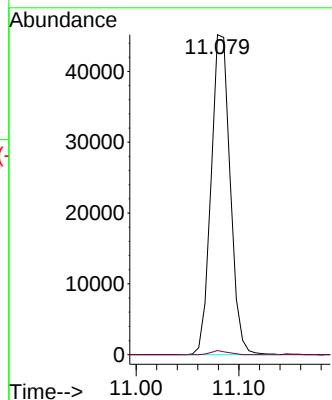
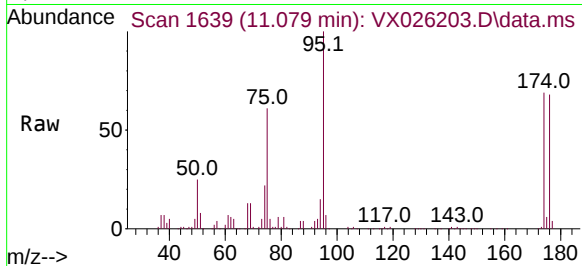




#76
1,2,3-Trichloropropane
Concen: 25.250 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX026203.D
Acq: 31 Dec 2021 05:34

Instrument :
MSVOA_X
ClientSampleId :
PB141758ZHE#04

Tgt Ion: 75 Resp: 58431
Ion Ratio Lower Upper
75 100
77 1.1 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.050 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026203.D
Acq: 31 Dec 2021 05:34

Tgt Ion: 75 Resp: 58431
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.0 38.3 57.5#

