

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123121\
 Data File : VX026189.D
 Acq On : 31 Dec 2021 00:08
 Operator : JC/MD
 Sample : PB141640ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB141640ZHE#01

Quant Time: Dec 31 21:32:33 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)

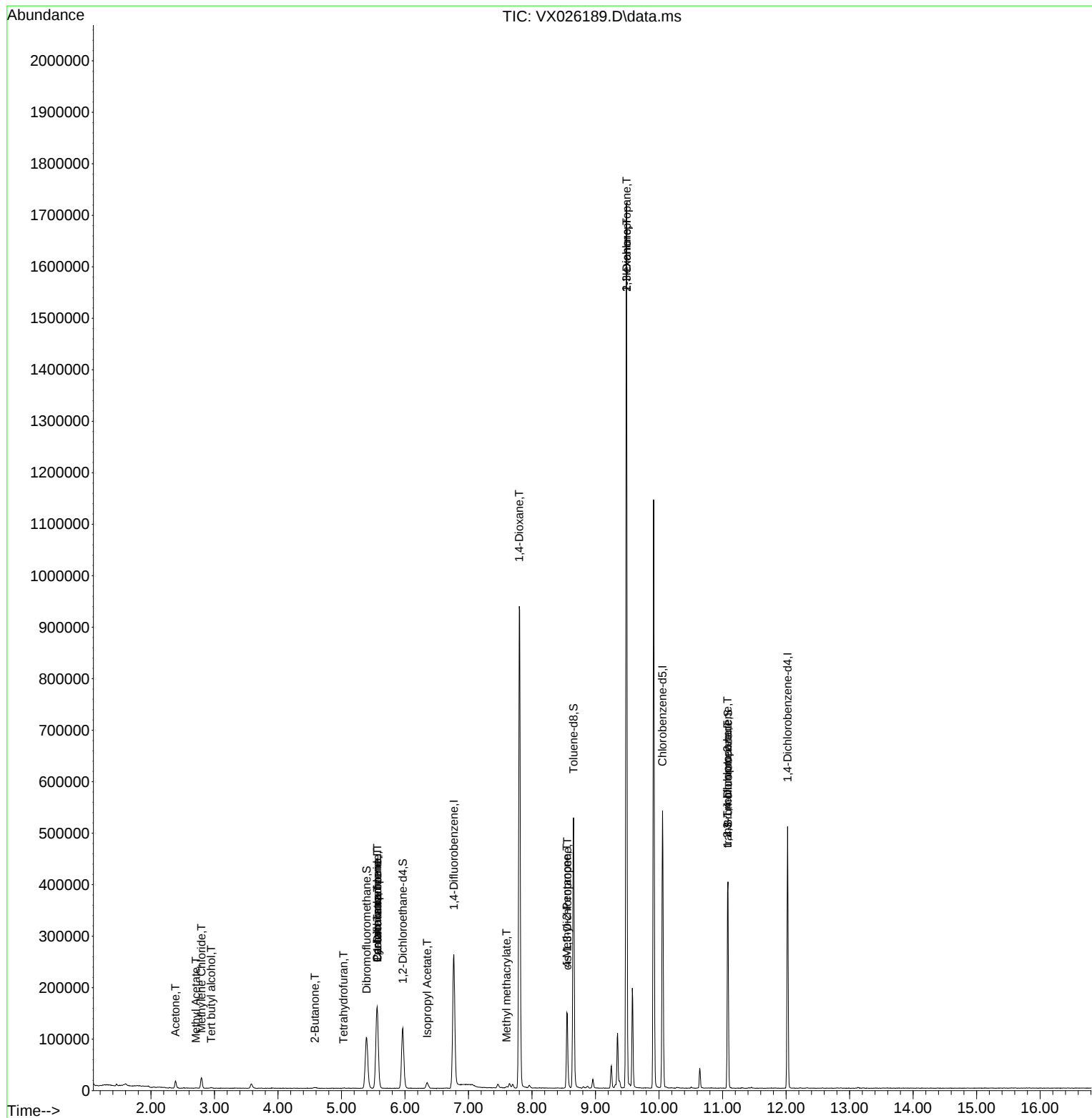
Internal Standards						
1) Pentafluorobenzene	5.562	168	140874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	242912	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	222950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	108312	53.145	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.300%			
35) Dibromofluoromethane	5.397	113	82720	52.379	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.760%			
50) Toluene-d8	8.653	98	293125	49.900	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.800%			
62) 4-Bromofluorobenzene	11.085	95	100615	48.115	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.220%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.946	59	1059	2.602	ug/l #	73
16) Acetone	2.386	43	15665	14.186	ug/l	93
18) Methyl Acetate	2.709	43	1312	0.366	ug/l #	78
20) Methylene Chloride	2.794	84	8847	4.144	ug/l	97
25) 2-Butanone	4.580	43	2793	1.816	ug/l #	84
29) Tetrahydrofuran	5.031	42	417	0.430	ug/l #	53
31) Cyclohexane	5.562	56	3954	1.362	ug/l #	47
36) 1,1-Dichloropropene	5.562	75	12451	4.888	ug/l #	45
38) Carbon Tetrachloride	5.562	117	15424	5.444	ug/l #	16
43) Isopropyl Acetate	6.348	43	15165	3.151	ug/l	95
48) Methyl methacrylate	7.598	41	4464	1.934	ug/l #	12
49) 1,4-Dioxane	7.799	88	19	0.447	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	55332	18.472	ug/l #	49
54) cis-1,3-Dichloropropene	8.555	75	22020	7.425	ug/l #	66
57) 1,3-Dichloropropane	9.488	76	14230	4.517	ug/l #	42
59) 2-Hexanone	9.488	43	213573	94.127	ug/l #	49
76) 1,2,3-Trichloropropane	11.079	75	56777	25.036	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	56777	72.429	ug/l #	10

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

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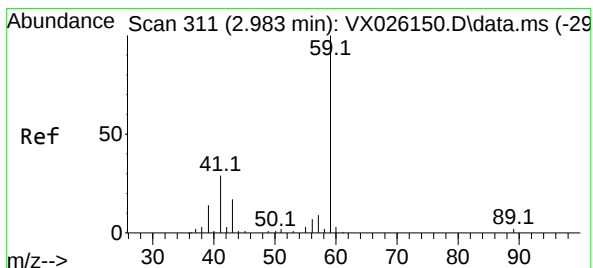
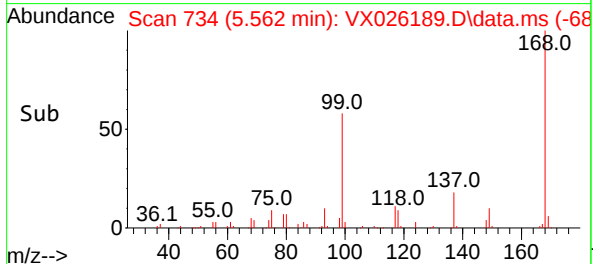
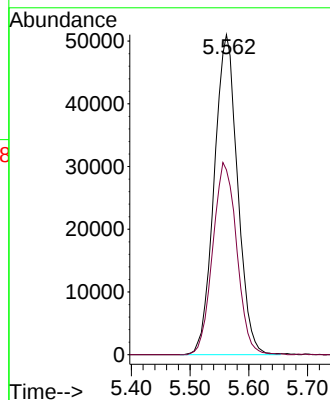
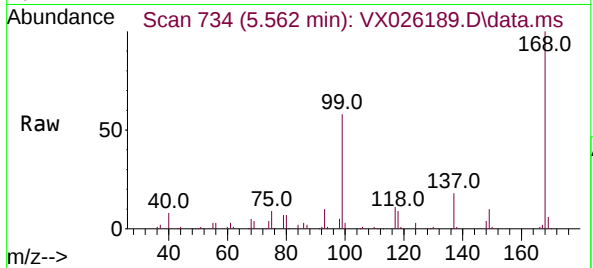




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX026189.D
Acq: 31 Dec 2021 00:08

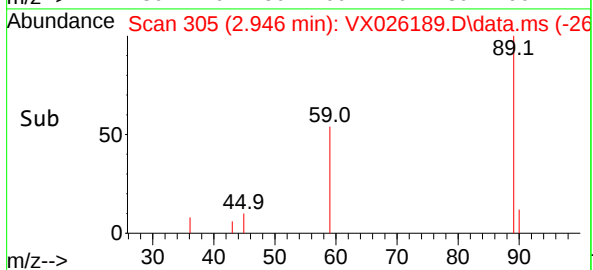
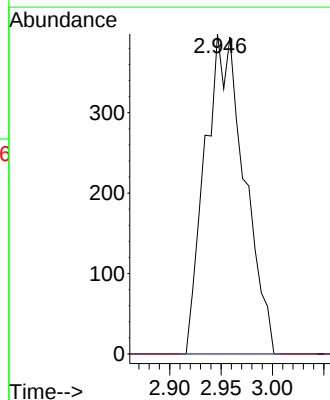
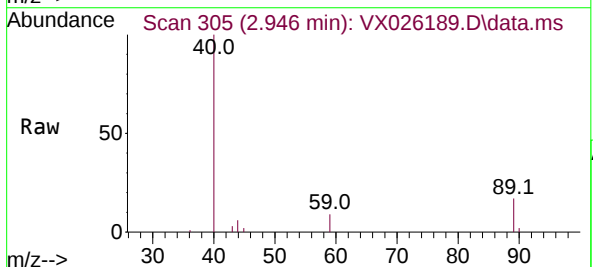
Instrument :
MSVOA_X
ClientSampleId :
PB141640ZHE#01

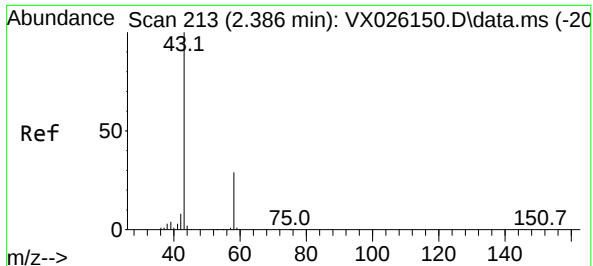
Tgt Ion:168 Resp: 140874
Ion Ratio Lower Upper
168 100
99 57.8 45.8 68.8



#11
Tert butyl alcohol
Concen: 2.602 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.037 min
Lab File: VX026189.D
Acq: 31 Dec 2021 00:08

Tgt Ion: 59 Resp: 1059
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

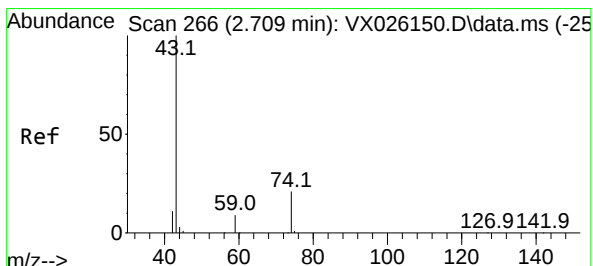
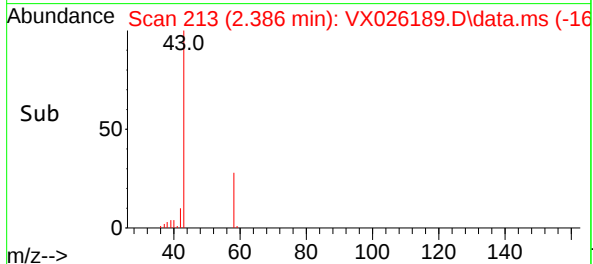
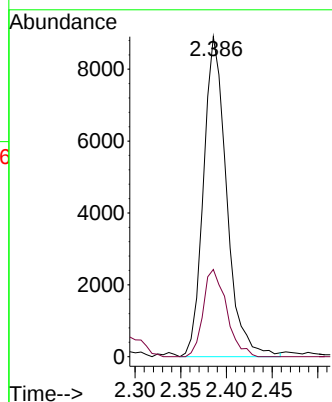
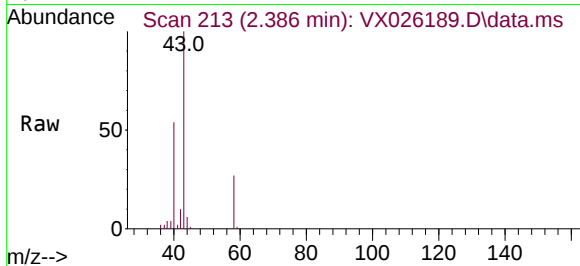




#16
Acetone
Concen: 14.186 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX026189.D
Acq: 31 Dec 2021 00:08

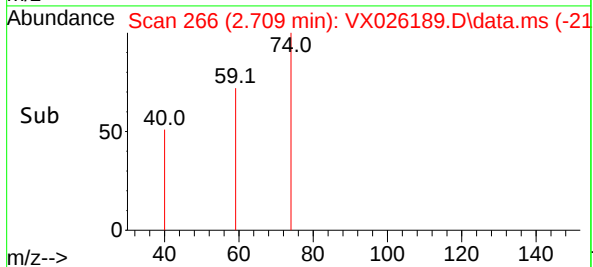
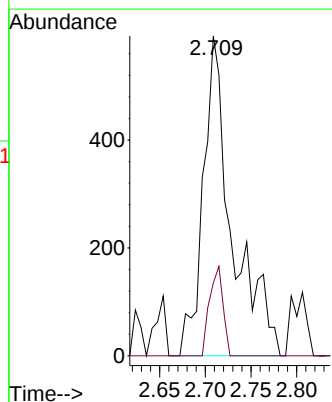
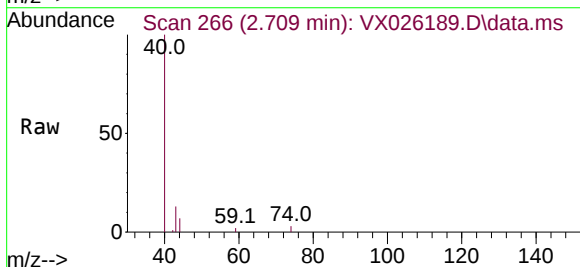
Instrument :
MSVOA_X
ClientSampleId :
PB141640ZHE#01

Tgt Ion: 43 Resp: 15665
Ion Ratio Lower Upper
43 100
58 27.3 24.8 37.2



#18
Methyl Acetate
Concen: 0.366 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX026189.D
Acq: 31 Dec 2021 00:08

Tgt Ion: 43 Resp: 1312
Ion Ratio Lower Upper
43 100
74 12.9 19.1 28.7#





#20

Methylene Chloride

Concen: 4.144 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX026189.D

Acq: 31 Dec 2021 00:08

Instrument :

MSVOA_X

ClientSampleId :

PB141640ZHE#01

Tgt Ion: 84 Resp: 8847

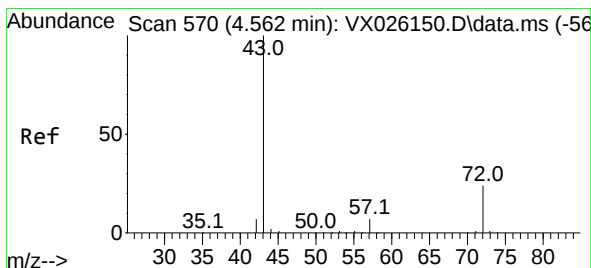
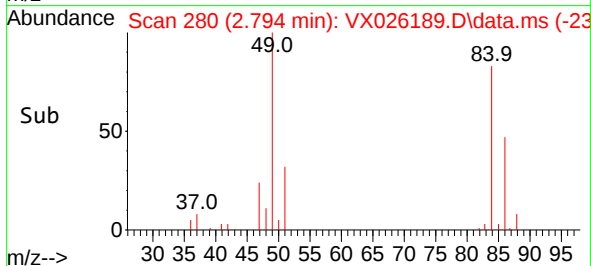
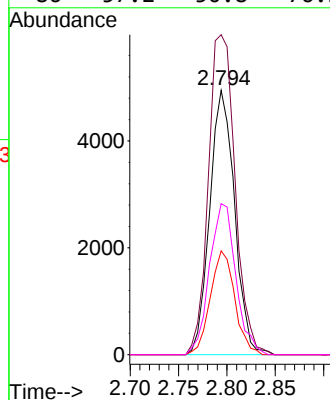
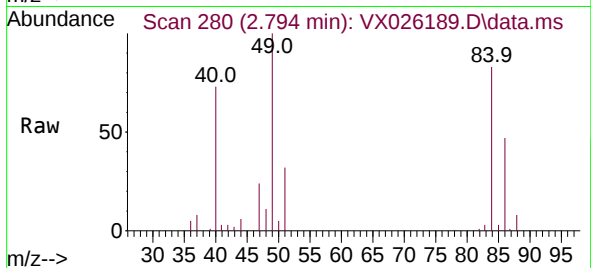
Ion Ratio Lower Upper

84 100

49 121.1 97.1 145.7

51 39.3 29.3 43.9

86 57.2 50.8 76.2



#25

2-Butanone

Concen: 1.816 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.018 min

Lab File: VX026189.D

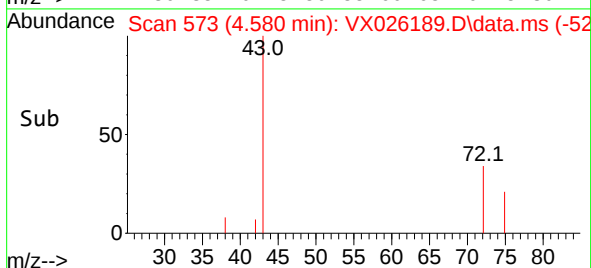
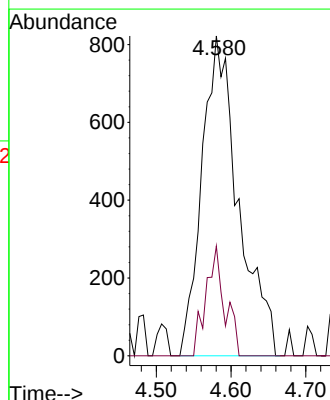
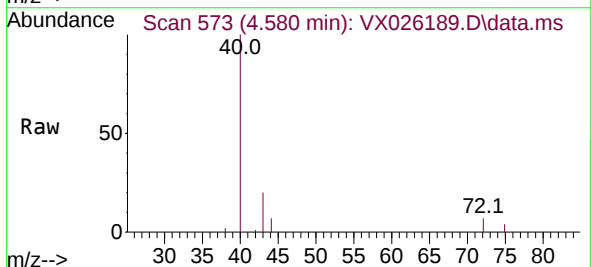
Acq: 31 Dec 2021 00:08

Tgt Ion: 43 Resp: 2793

Ion Ratio Lower Upper

43 100

72 34.3 21.0 31.4#





#29

Tetrahydrofuran

Concen: 0.430 ug/l

RT: 5.031 min Scan# 644

Delta R.T. 0.018 min

Lab File: VX026189.D

Acq: 31 Dec 2021 00:08

Instrument :

MSVOA_X

ClientSampleId :

PB141640ZHE#01

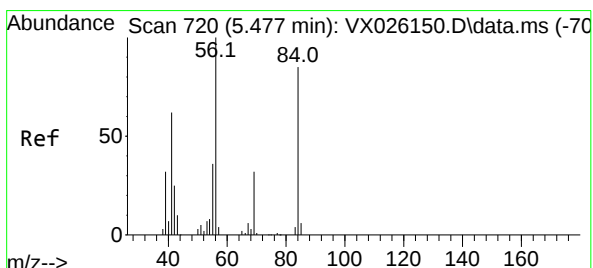
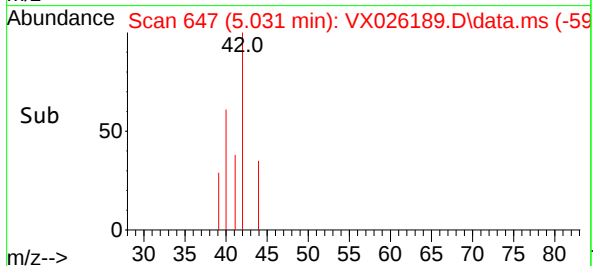
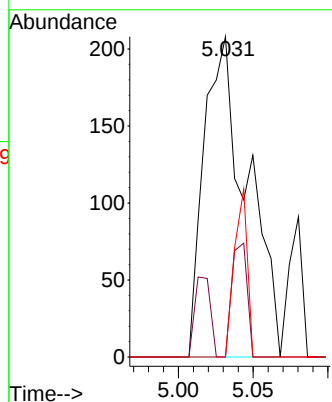
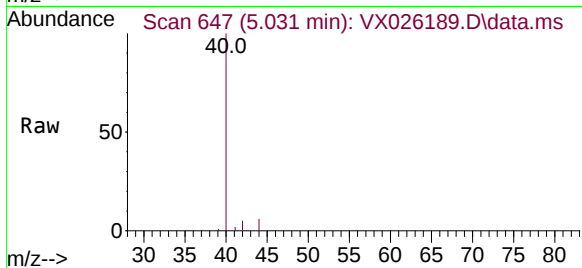
Tgt Ion: 42 Resp: 417

Ion Ratio Lower Upper

42 100

72 12.5 37.0 55.6#

71 15.8 34.1 51.1#



#31

Cyclohexane

Concen: 1.362 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX026189.D

Acq: 31 Dec 2021 00:08

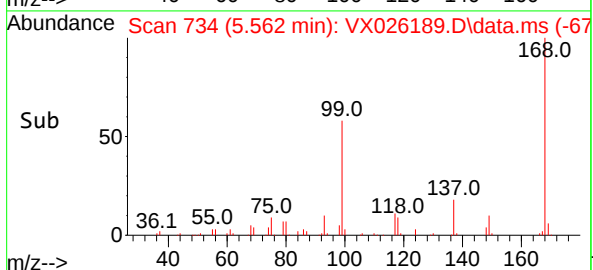
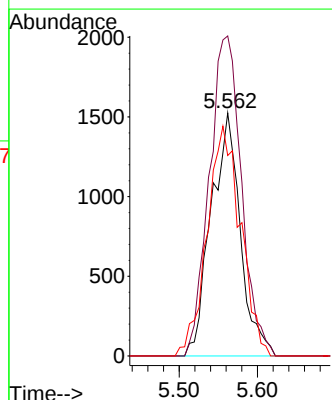
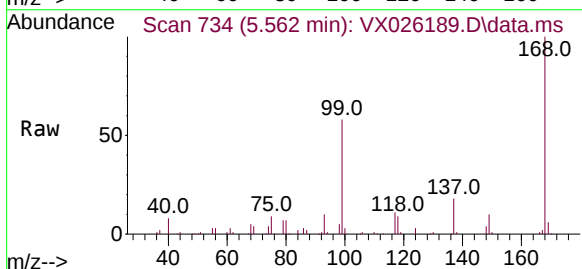
Tgt Ion: 56 Resp: 3954

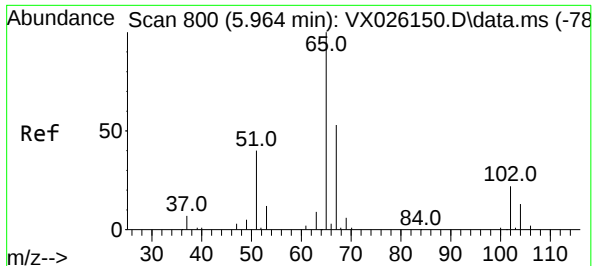
Ion Ratio Lower Upper

56 100

69 131.7 23.9 35.9#

84 82.5 73.2 109.8





#33

1,2-Dichloroethane-d4

Concen: 53.145 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX026189.D

Acq: 31 Dec 2021 00:08

Instrument :

MSVOA_X

ClientSampleId :

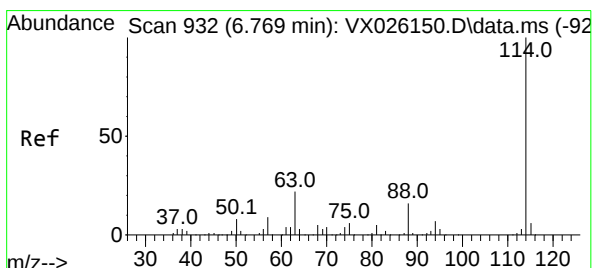
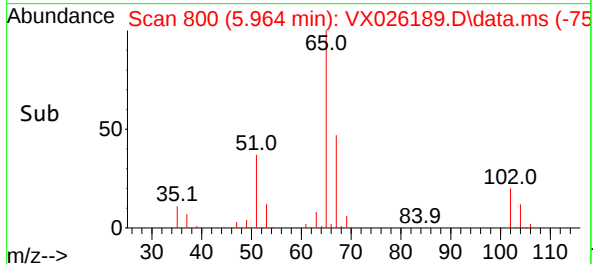
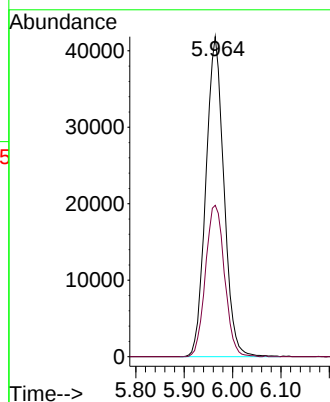
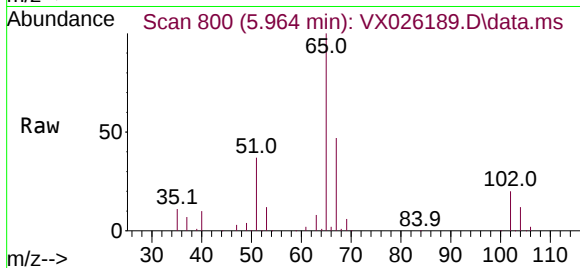
PB141640ZHE#01

Tgt Ion: 65 Resp: 108312

Ion Ratio Lower Upper

65 100

67 50.0 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: VX026189.D

Acq: 31 Dec 2021 00:08

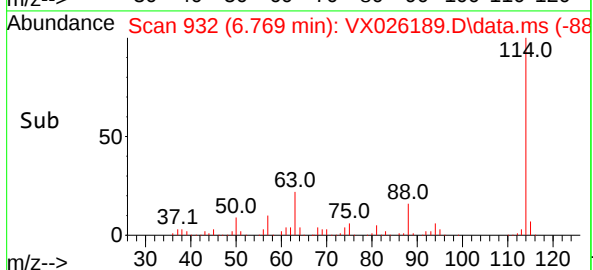
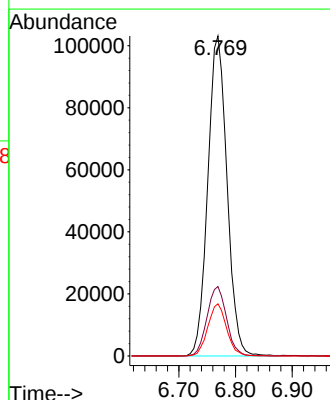
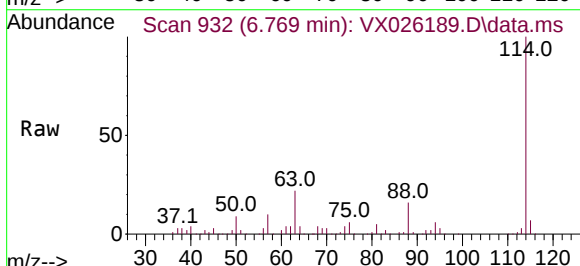
Tgt Ion: 114 Resp: 242912

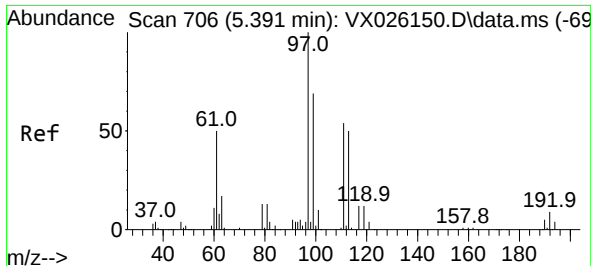
Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.0

88 16.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.379 ug/l

RT: 5.397 min Scan# 706

Delta R.T. 0.006 min

Lab File: VX026189.D

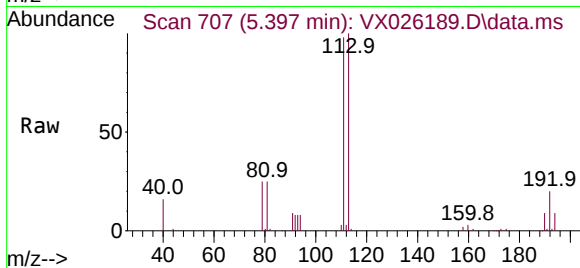
Acq: 31 Dec 2021 00:08

Instrument :

MSVOA_X

ClientSampleId :

PB141640ZHE#01



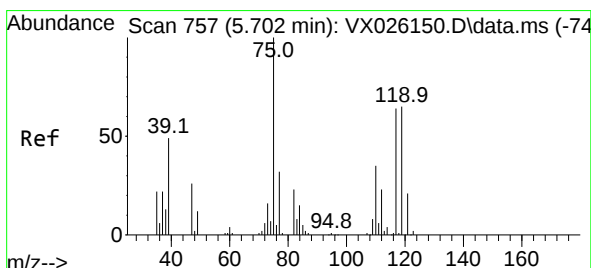
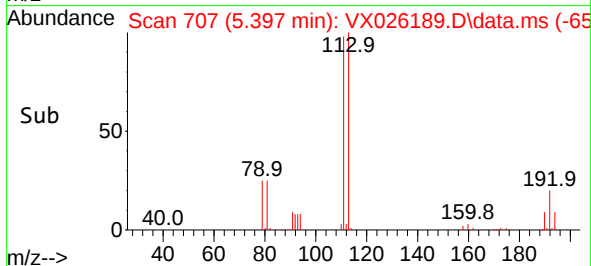
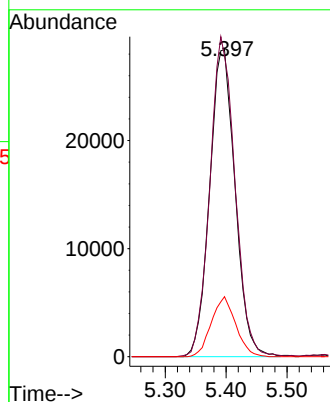
Tgt Ion:113 Resp: 82720

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

192 18.7 15.0 22.4



#36

1,1-Dichloropropene

Concen: 4.888 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX026189.D

Acq: 31 Dec 2021 00:08

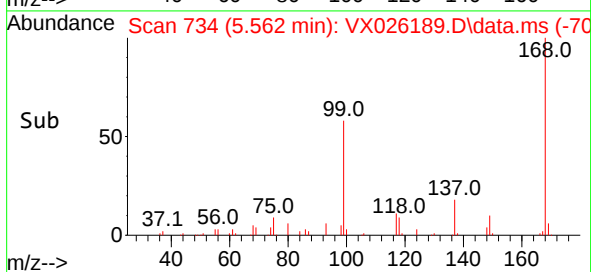
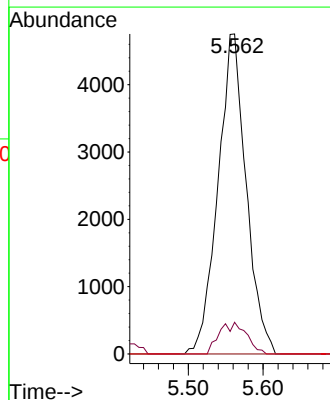
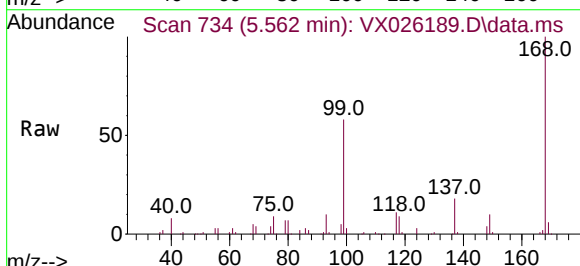
Tgt Ion: 75 Resp: 12451

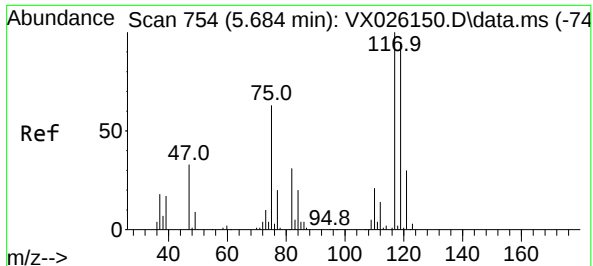
Ion Ratio Lower Upper

75 100

110 4.5 18.2 54.6#

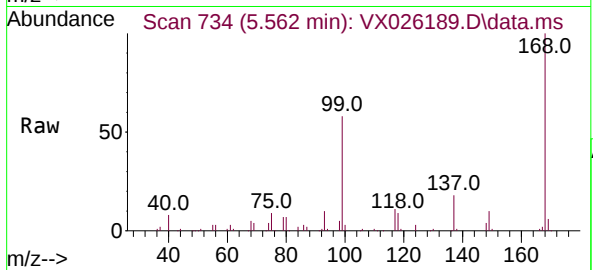
77 0.0 24.7 37.1#



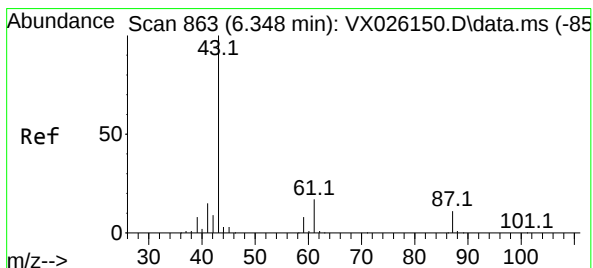
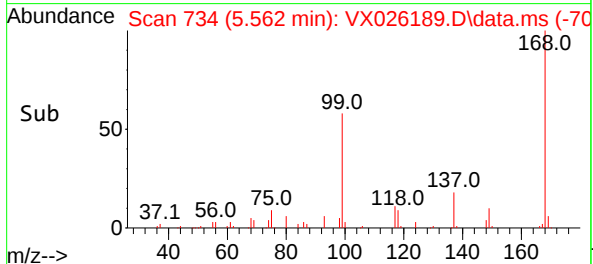
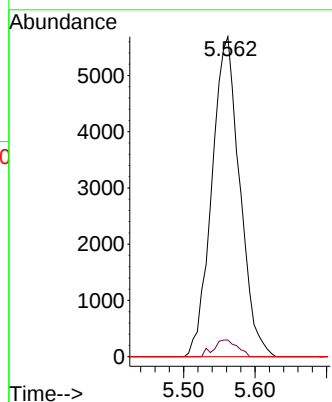


#38
Carbon Tetrachloride
Concen: 5.444 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX026189.D
Acq: 31 Dec 2021 00:08

Instrument :
MSVOA_X
ClientSampleId :
PB141640ZHE#01

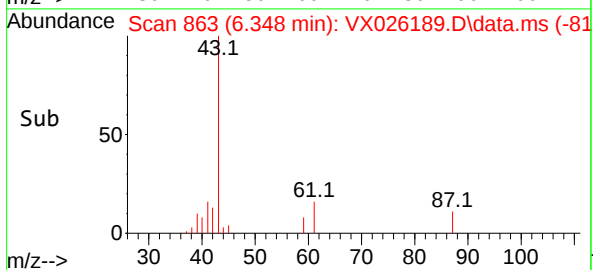
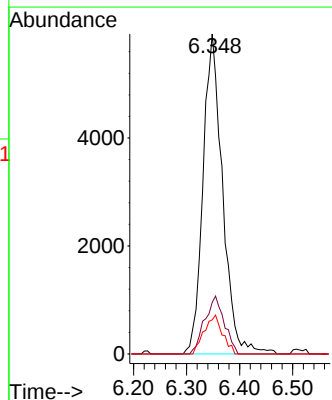
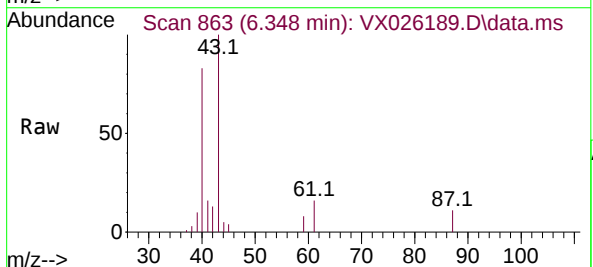


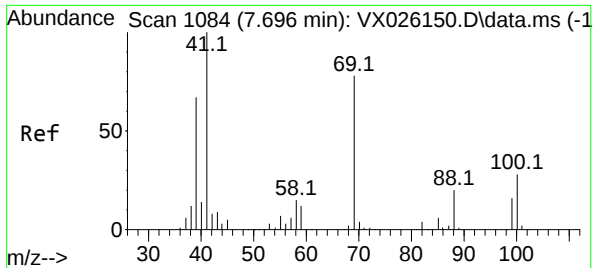
Tgt Ion:117 Resp: 15424
Ion Ratio Lower Upper
117 100
119 5.2 77.2 115.8#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.151 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX026189.D
Acq: 31 Dec 2021 00:08

Tgt Ion: 43 Resp: 15165
Ion Ratio Lower Upper
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61 18.0 15.7 23.5
87 11.3 11.2 16.8

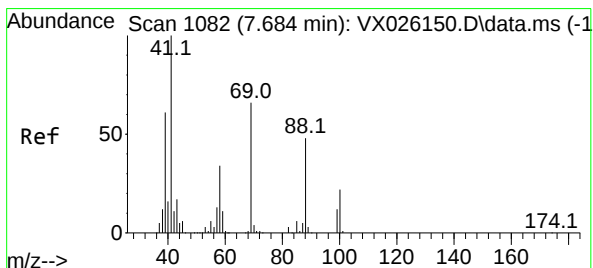
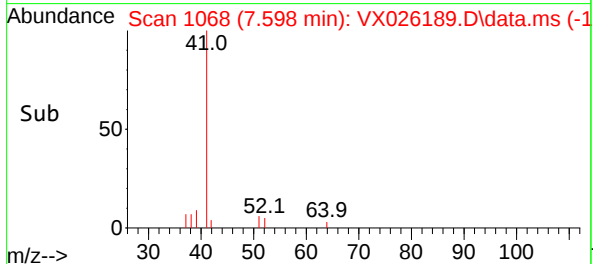
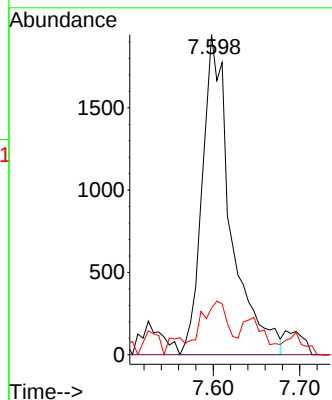
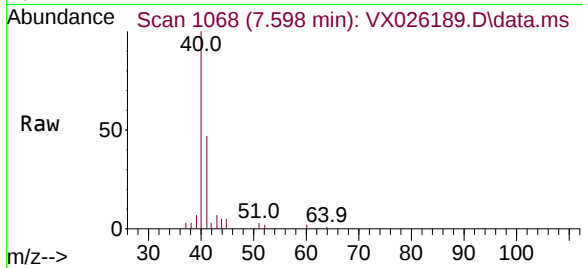




#48
Methyl methacrylate
Concen: 1.934 ug/l
RT: 7.598 min Scan# 1101
Delta R.T. -0.098 min
Lab File: VX026189.D
Acq: 31 Dec 2021 00:08

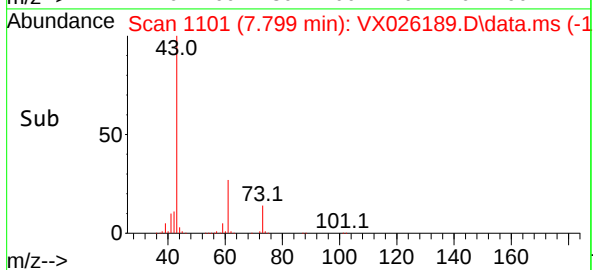
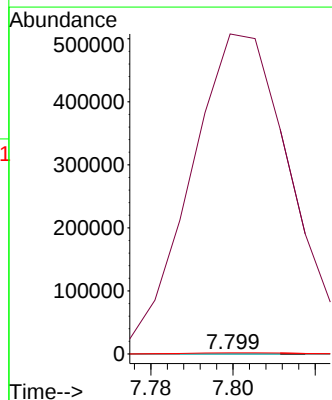
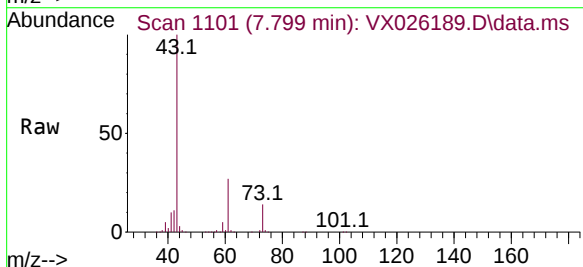
Instrument :
MSVOA_X
ClientSampleId :
PB141640ZHE#01

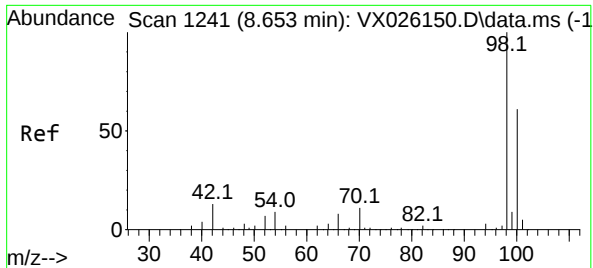
Tgt Ion: 41 Resp: 4464
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 0.447 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.115 min
Lab File: VX026189.D
Acq: 31 Dec 2021 00:08

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 4632836.8 25.3 37.9#
58 18468.4 51.8 77.6#

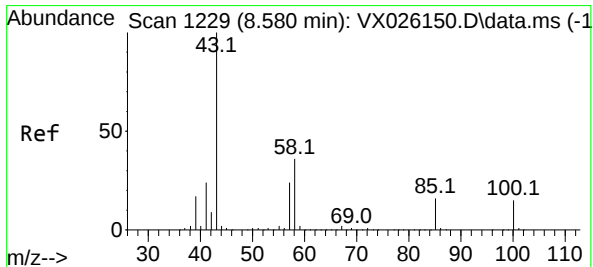
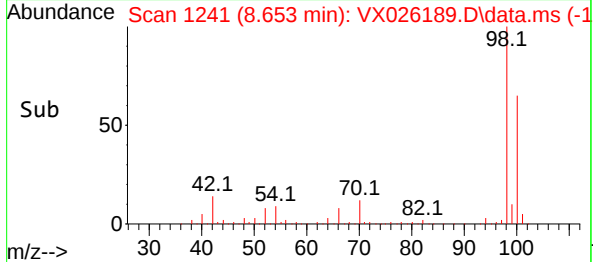
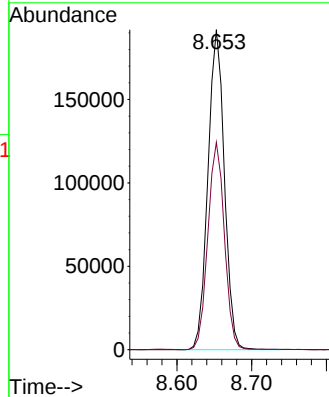
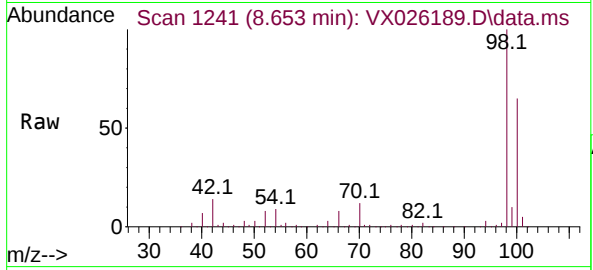




#50
Toluene-d8
Concen: 49.900 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX026189.D
Acq: 31 Dec 2021 00:08

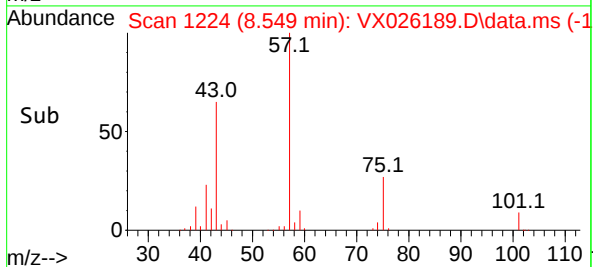
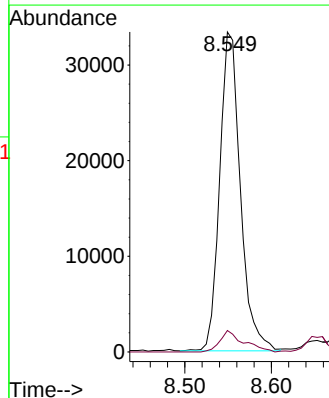
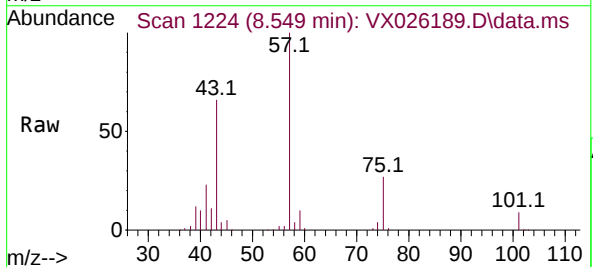
Instrument :
MSVOA_X
ClientSampleId :
PB141640ZHE#01

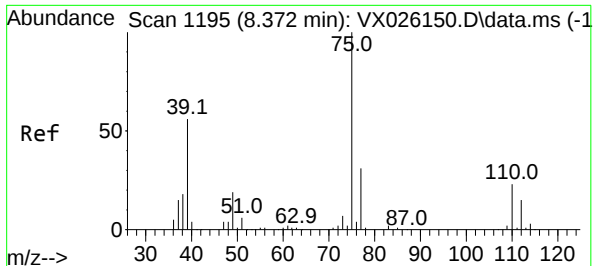
Tgt Ion: 98 Resp: 293125
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 18.472 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.031 min
Lab File: VX026189.D
Acq: 31 Dec 2021 00:08

Tgt Ion: 43 Resp: 55332
Ion Ratio Lower Upper
43 100
58 7.7 30.8 46.2#

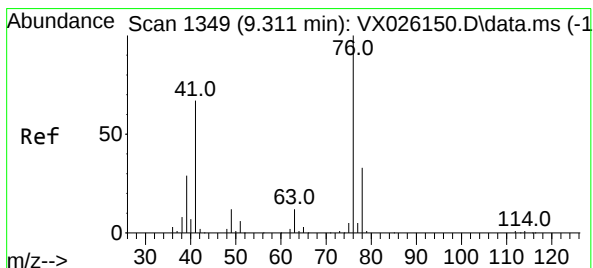
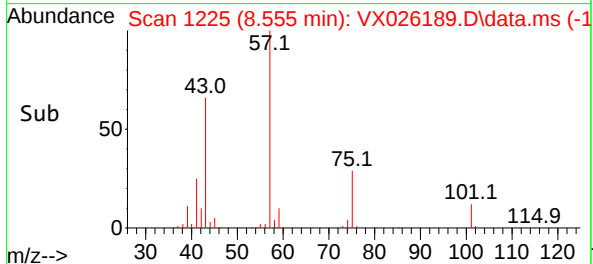
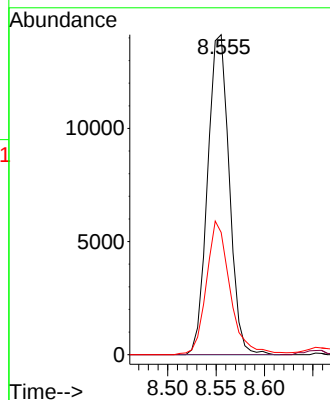
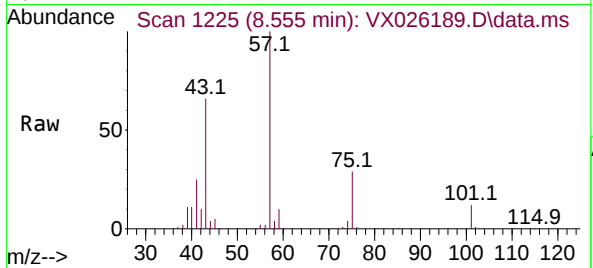




#54
 cis-1,3-Dichloropropene
 Concen: 7.425 ug/l
 RT: 8.555 min Scan# 1195
 Delta R.T. 0.183 min
 Lab File: VX026189.D
 Acq: 31 Dec 2021 00:08

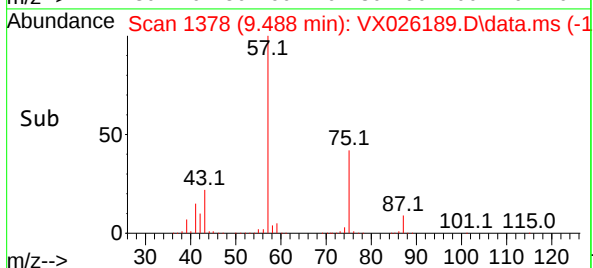
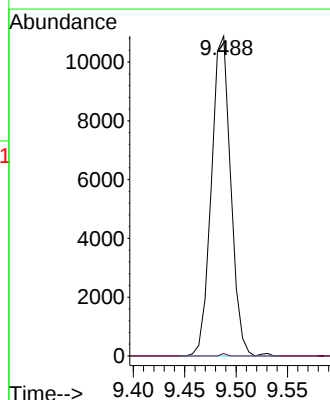
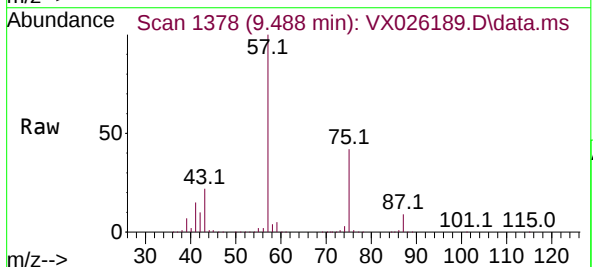
Instrument :
 MSVOA_X
 ClientSampleId :
 PB141640ZHE#01

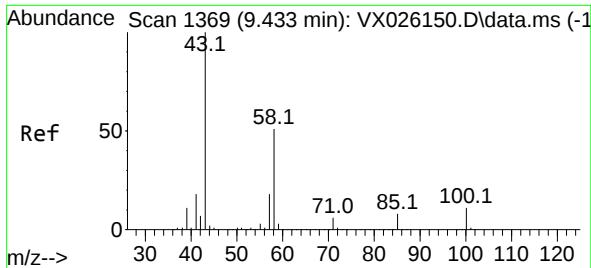
Tgt Ion: 75 Resp: 22020
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 37.8 41.4 62.0#



#57
 1,3-Dichloropropane
 Concen: 4.517 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX026189.D
 Acq: 31 Dec 2021 00:08

Tgt Ion: 76 Resp: 14230
 Ion Ratio Lower Upper
 76 100
 78 0.2 26.0 39.0#

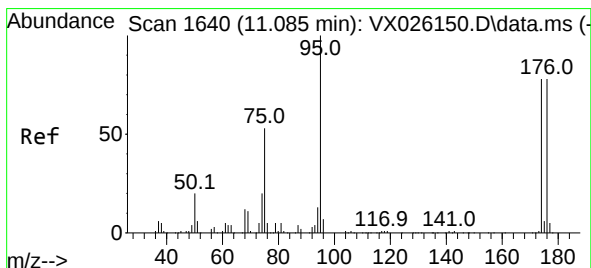
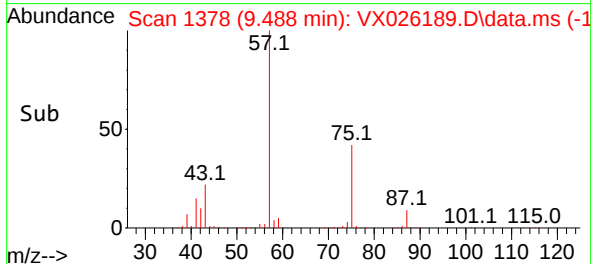
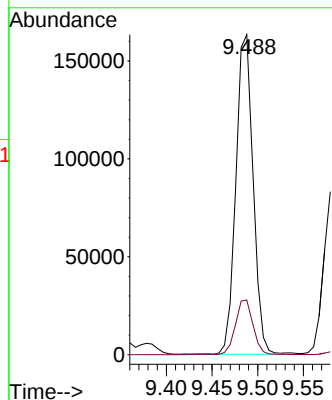
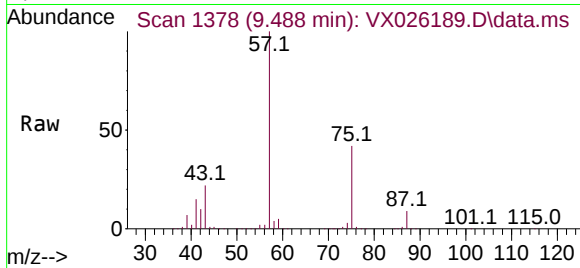




#59
2-Hexanone
Concen: 94.127 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX026189.D
Acq: 31 Dec 2021 00:08

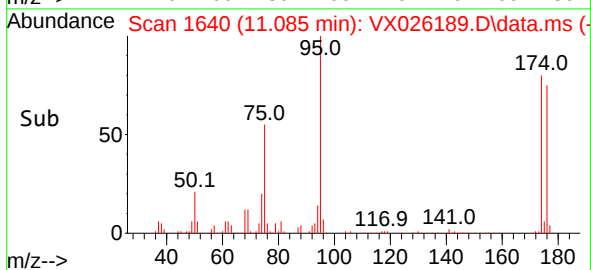
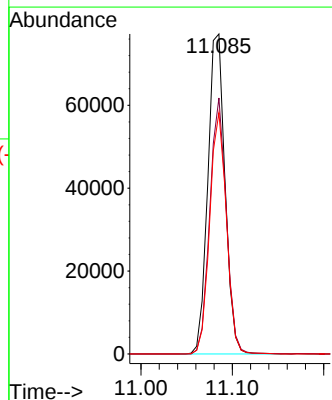
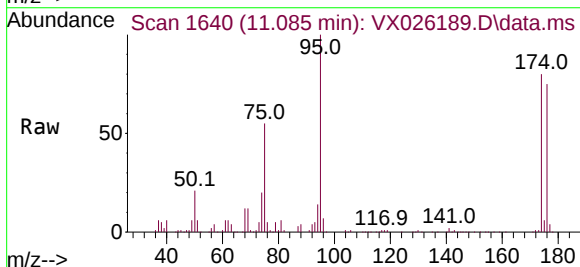
Instrument :
MSVOA_X
ClientSampleId :
PB141640ZHE#01

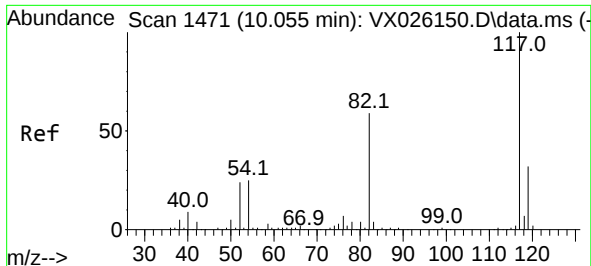
Tgt Ion: 43 Resp: 213573
Ion Ratio Lower Upper
43 100
58 17.4 26.9 80.6#



#62
4-Bromofluorobenzene
Concen: 48.115 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX026189.D
Acq: 31 Dec 2021 00:08

Tgt Ion: 95 Resp: 100615
Ion Ratio Lower Upper
95 100
174 77.0 0.0 157.4
176 73.2 0.0 154.6

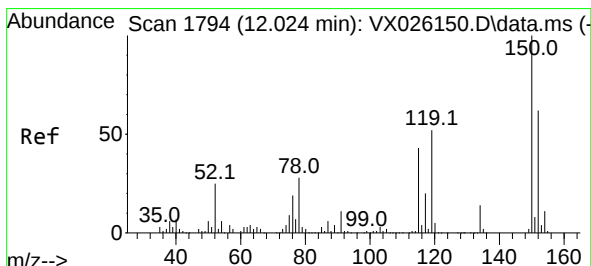
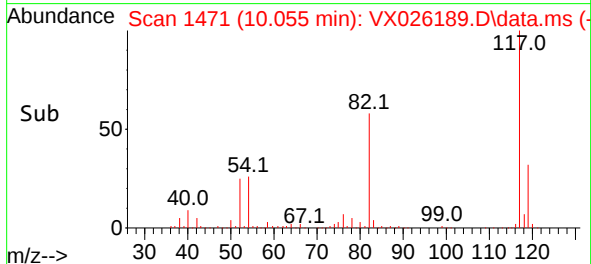
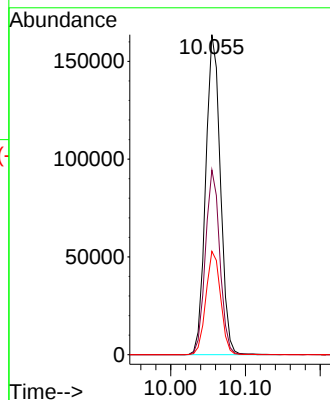
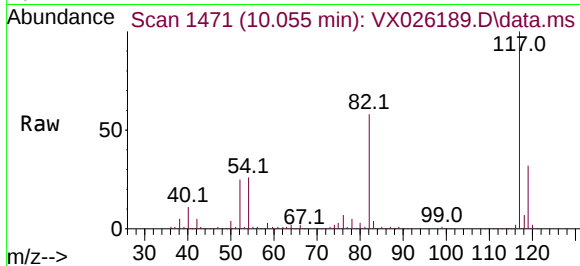




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX026189.D
Acq: 31 Dec 2021 00:08

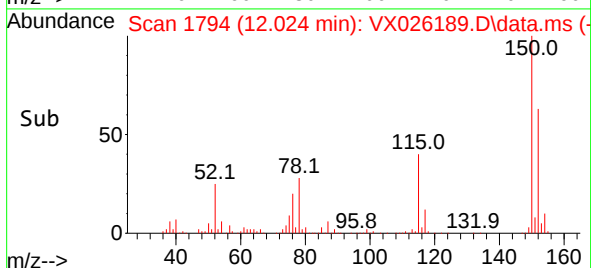
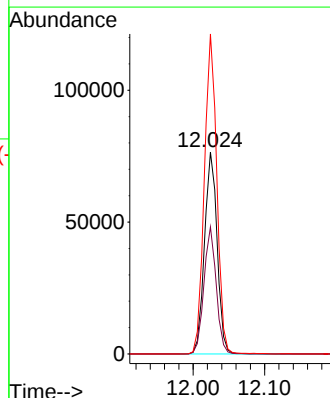
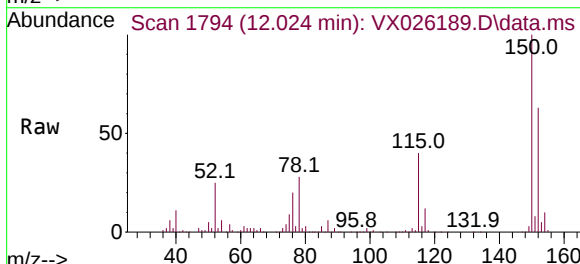
Instrument :
MSVOA_X
ClientSampleId :
PB141640ZHE#01

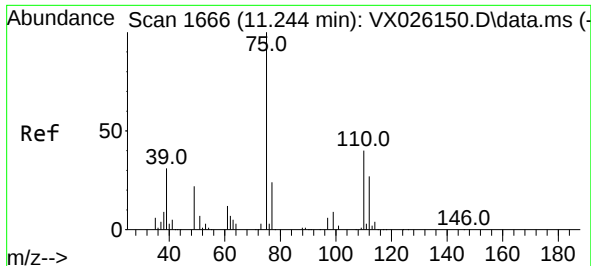
Tgt Ion:117 Resp: 222950
Ion Ratio Lower Upper
117 100
82 57.8 43.8 65.6
119 32.3 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX026189.D
Acq: 31 Dec 2021 00:08

Tgt Ion:152 Resp: 93955
Ion Ratio Lower Upper
152 100
115 61.1 41.3 123.9
150 156.5 0.0 351.8

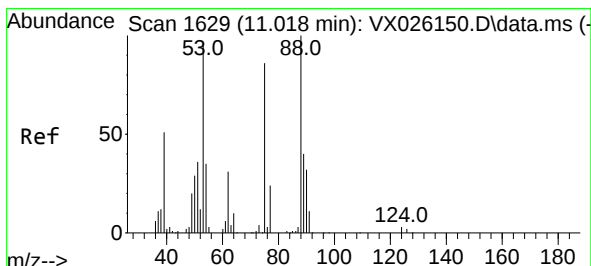
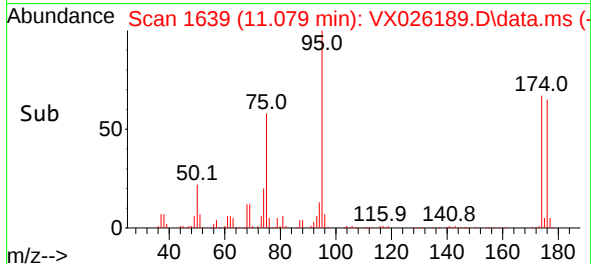
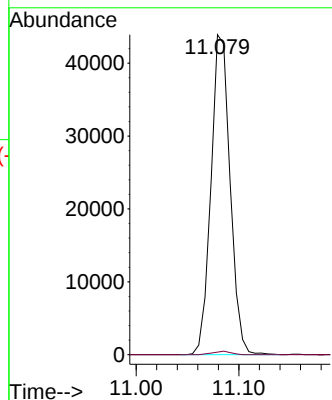
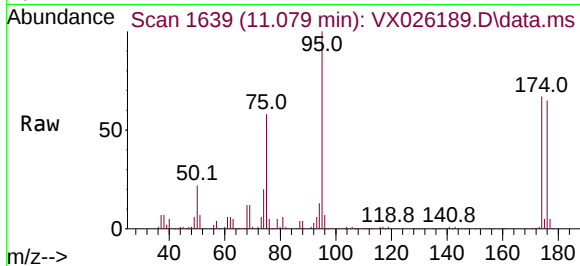




#76
1,2,3-Trichloropropane
Concen: 25.036 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX026189.D
Acq: 31 Dec 2021 00:08

Instrument :
MSVOA_X
ClientSampleId :
PB141640ZHE#01

Tgt Ion: 75 Resp: 56777
Ion Ratio Lower Upper
75 100
77 1.0 19.0 57.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.429 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX026189.D
Acq: 31 Dec 2021 00:08

Tgt Ion: 75 Resp: 56777
Ion Ratio Lower Upper
75 100
53 0.0 79.5 119.3#
89 0.1 38.3 57.5#

