

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121322\
 Data File : VX033381.D
 Acq On : 13 Dec 2022 10:50
 Operator : JC/MD
 Sample : VX1213MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213MBL01

Quant Time: Dec 14 05:33:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

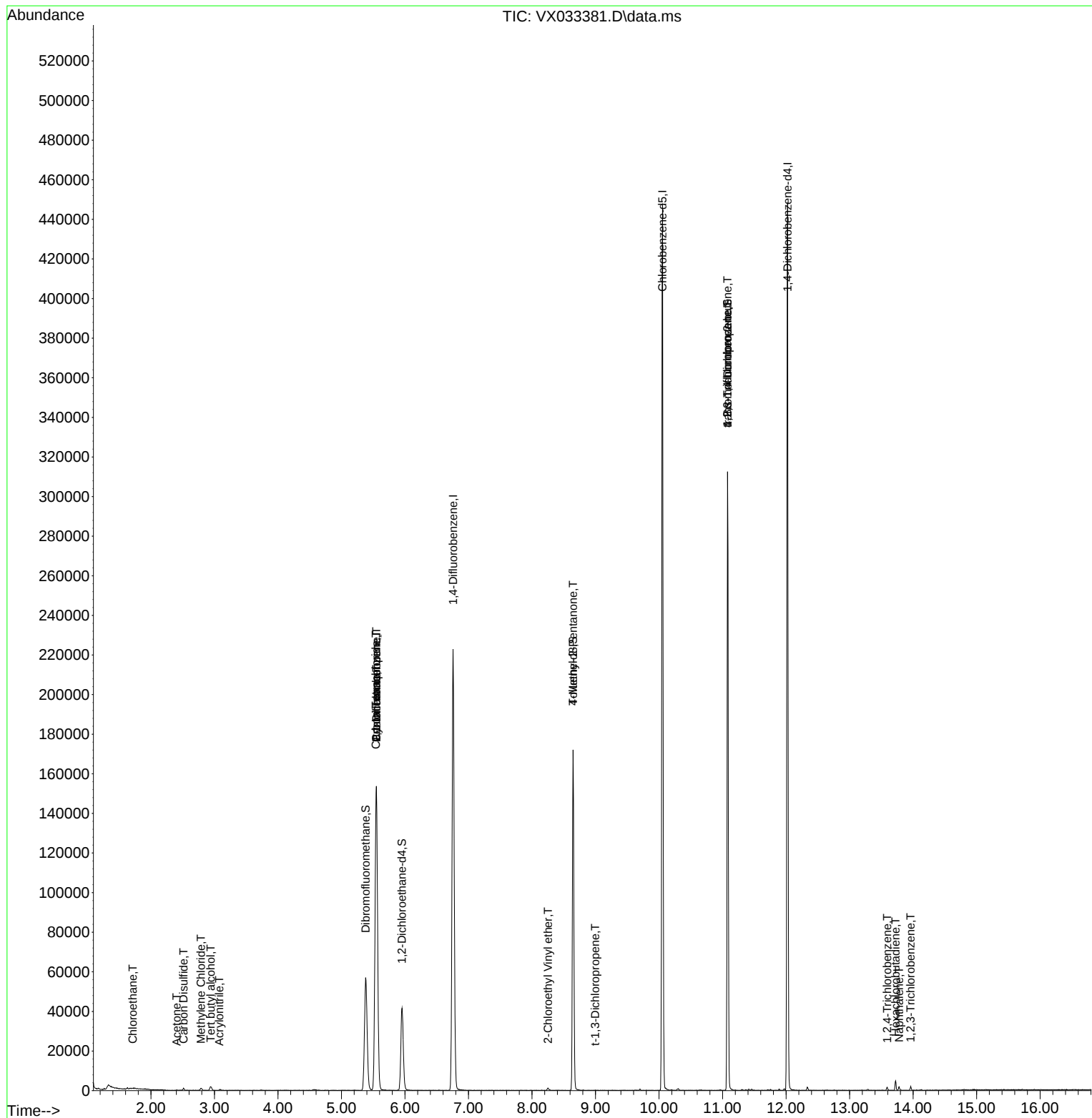
Internal Standards						
1) Pentafluorobenzene	5.549	168	149112	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	231859	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96641	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	43374	45.342	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	90.680%		
35) Dibromofluoromethane	5.379	113	50379	48.309	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.620%		
50) Toluene-d8	8.646	98	104032	47.686	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.380%		
62) 4-Bromofluorobenzene	11.079	95	82015	49.167	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.340%		
Target Compounds					Qvalue	
6) Chloroethane	1.715	64	232	0.222	ug/l #	42
11) Tert butyl alcohol	2.940	59	1188	4.062	ug/l #	72
15) Acrylonitrile	3.074	53	165	0.228	ug/l #	84
16) Acetone	2.404	43	200	0.283	ug/l #	45
17) Carbon Disulfide	2.513	76	1123	0.324	ug/l #	90
20) Methylene Chloride	2.788	84	584	0.370	ug/l #	71
31) Cyclohexane	5.549	56	2891	1.272	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	10838	5.330	ug/l #	50
38) Carbon Tetrachloride	5.543	117	15594	6.845	ug/l #	15
51) 4-Methyl-2-Pentanone	8.646	43	463	0.237	ug/l #	1
53) t-1,3-Dichloropropene	8.994	75	45	2.523	ug/l #	43
58) 2-Chloroethyl Vinyl ether	8.250	63	646	0.622	ug/l #	61
76) 1,2,3-Trichloropropane	11.079	75	40733	20.717	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	40733	64.444	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.591	180	495	0.256	ug/l	85
94) Hexachlorobutadiene	13.725	225	746	0.963	ug/l	95
95) Naphthalene	13.780	128	1529	0.237	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.963	180	502	0.256	ug/l	88

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

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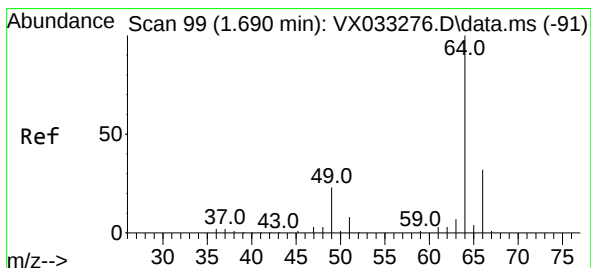
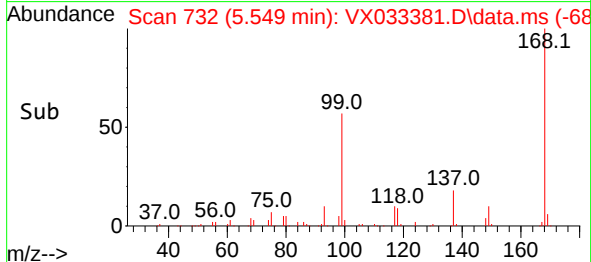
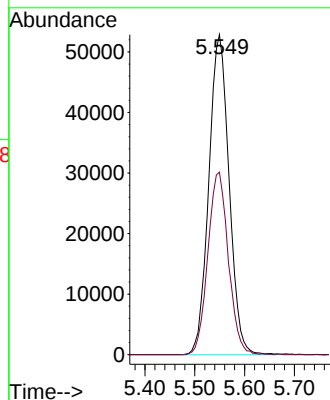
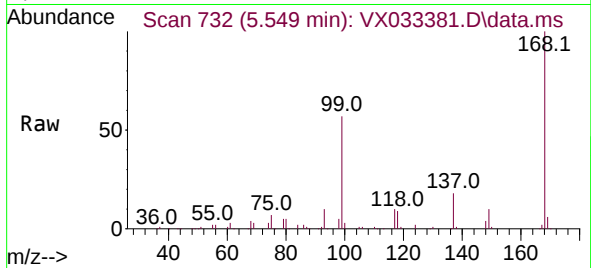




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX033381.D
Acq: 13 Dec 2022 10:50

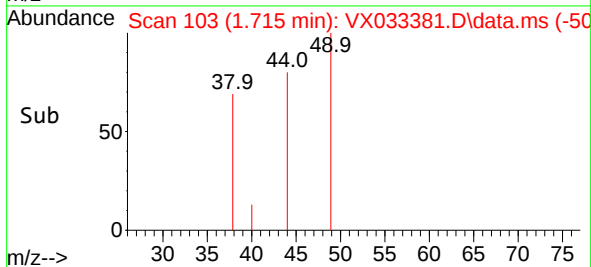
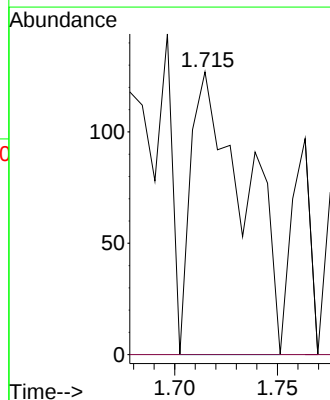
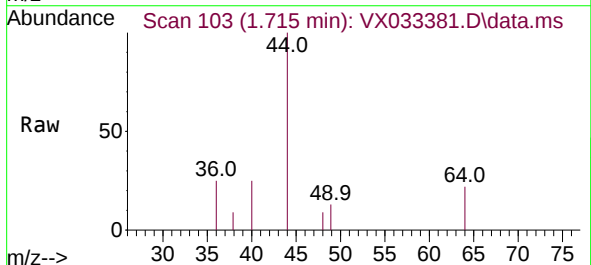
Instrument :
MSVOA_X
ClientSampleId :
VX1213MBL01

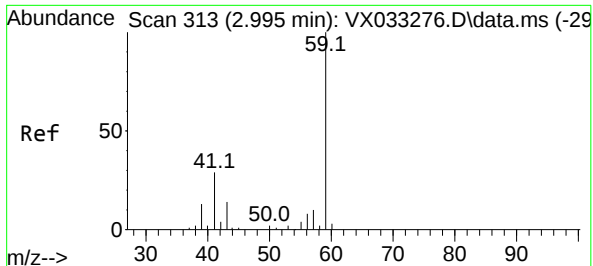
Tgt Ion:168 Resp: 149112
Ion Ratio Lower Upper
168 100
99 57.1 46.1 69.1



#6
Chloroethane
Concen: 0.222 ug/l
RT: 1.715 min Scan# 103
Delta R.T. 0.024 min
Lab File: VX033381.D
Acq: 13 Dec 2022 10:50

Tgt Ion: 64 Resp: 232
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#





#11

Tert butyl alcohol

Concen: 4.062 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.055 min

Lab File: VX033381.D

Acq: 13 Dec 2022 10:50

Instrument :

MSVOA_X

ClientSampleId :

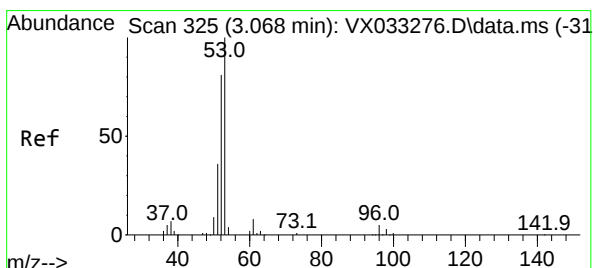
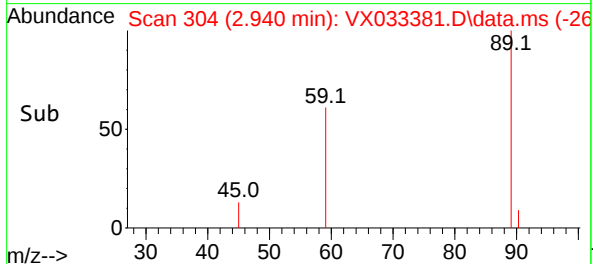
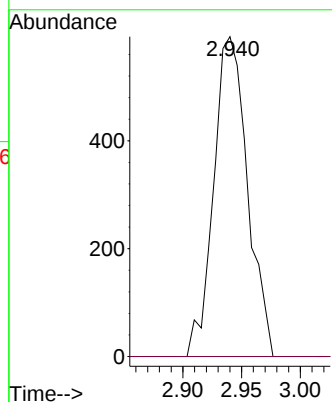
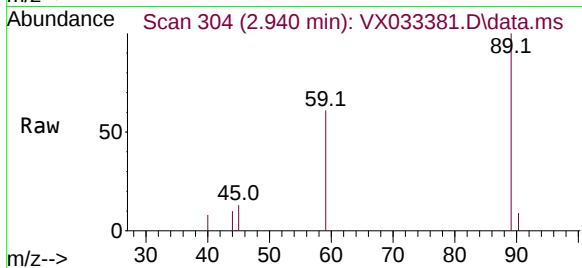
VX1213MBL01

Tgt Ion: 59 Resp: 1188

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#15

Acrylonitrile

Concen: 0.228 ug/l

RT: 3.074 min Scan# 326

Delta R.T. 0.006 min

Lab File: VX033381.D

Acq: 13 Dec 2022 10:50

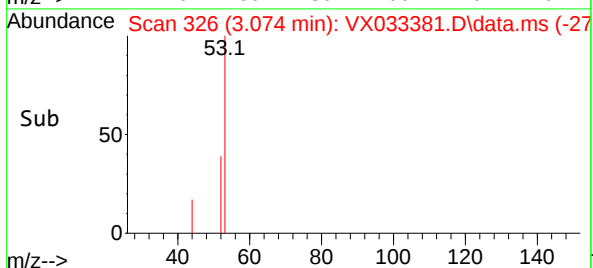
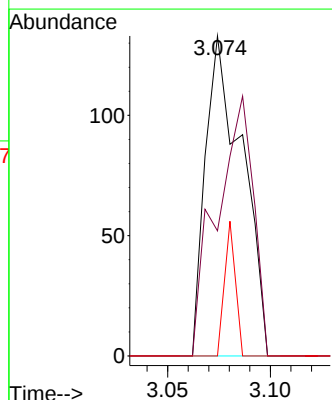
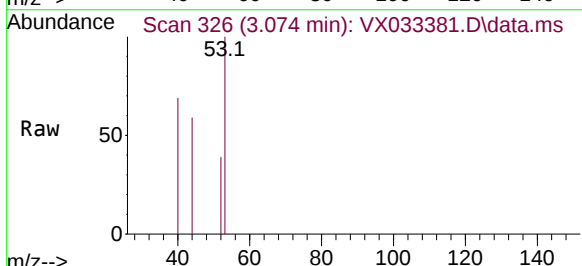
Tgt Ion: 53 Resp: 165

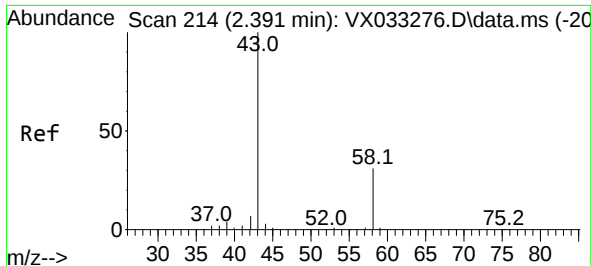
Ion Ratio Lower Upper

53 100

52 81.2 67.4 101.0

51 12.1 30.3 45.5#





#16

Acetone

Concen: 0.283 ug/l

RT: 2.404 min Scan# 21

Delta R.T. 0.012 min

Lab File: VX033381.D

Acq: 13 Dec 2022 10:50

Instrument :

MSVOA_X

ClientSampleId :

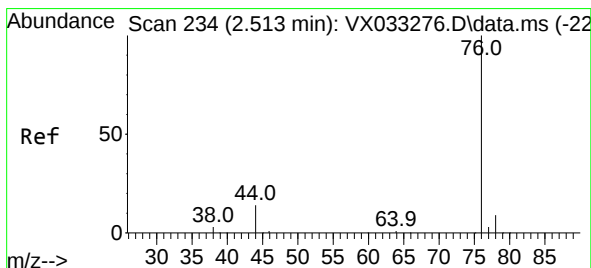
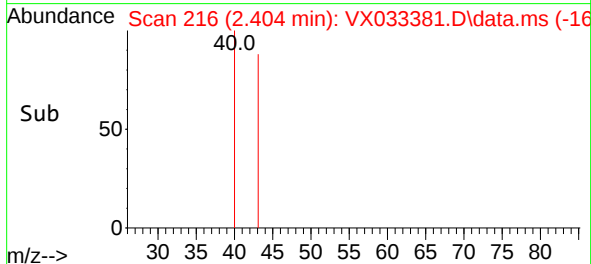
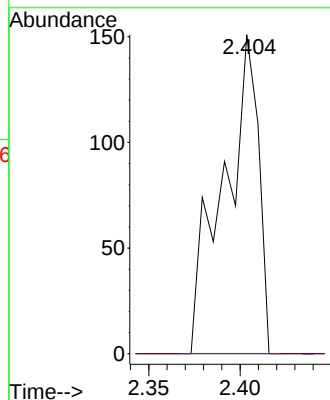
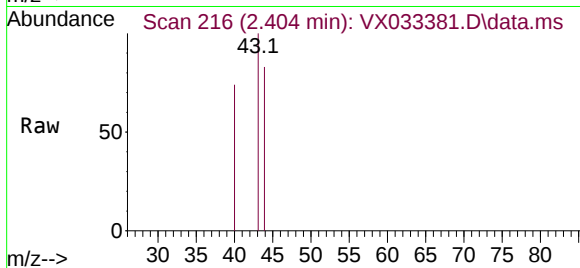
VX1213MBL01

Tgt Ion: 43 Resp: 200

Ion Ratio Lower Upper

43 100

58 0.0 23.8 35.8#



#17

Carbon Disulfide

Concen: 0.324 ug/l

RT: 2.513 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX033381.D

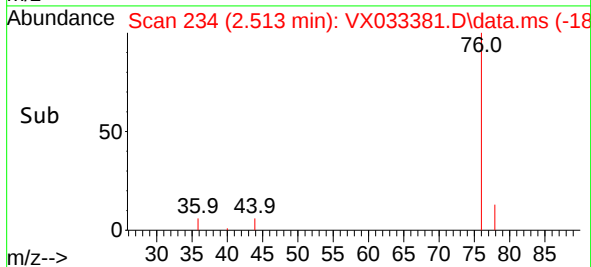
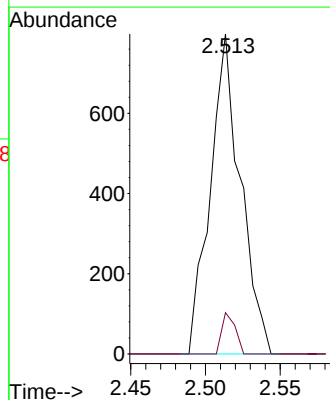
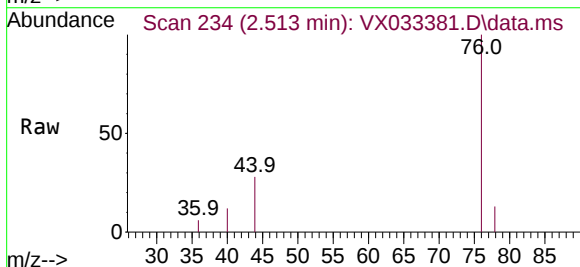
Acq: 13 Dec 2022 10:50

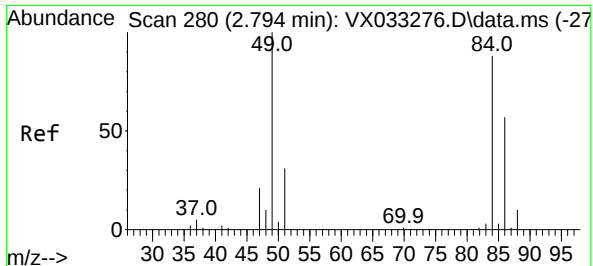
Tgt Ion: 76 Resp: 1123

Ion Ratio Lower Upper

76 100

78 12.9 7.5 11.3#





#20

Methylene Chloride

Concen: 0.370 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX033381.D

Acq: 13 Dec 2022 10:50

Instrument :

MSVOA_X

ClientSampleId :

VX1213MBL01

Tgt Ion: 84 Resp: 584

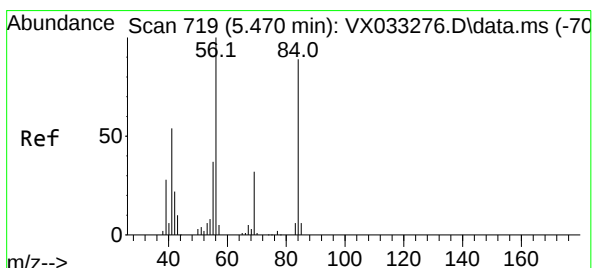
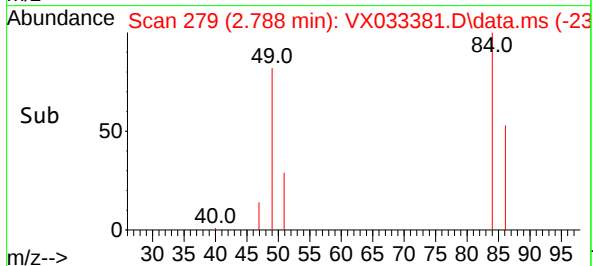
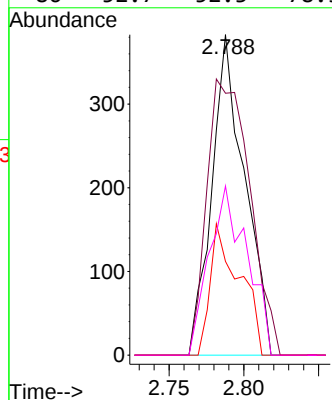
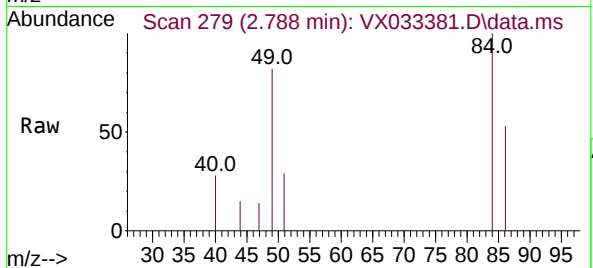
Ion Ratio Lower Upper

84 100

49 81.7 101.0 151.6#

51 29.2 31.1 46.7#

86 52.7 52.3 78.5



#31

Cyclohexane

Concen: 1.272 ug/l

RT: 5.549 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX033381.D

Acq: 13 Dec 2022 10:50

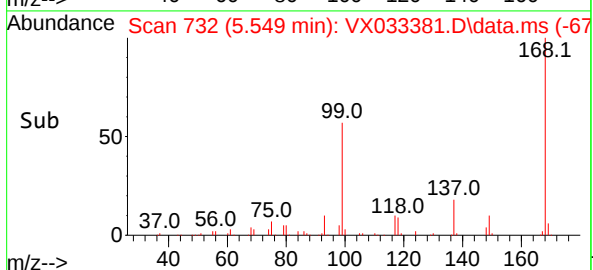
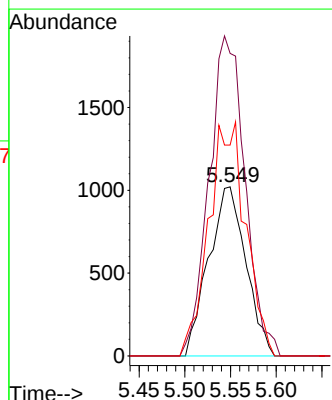
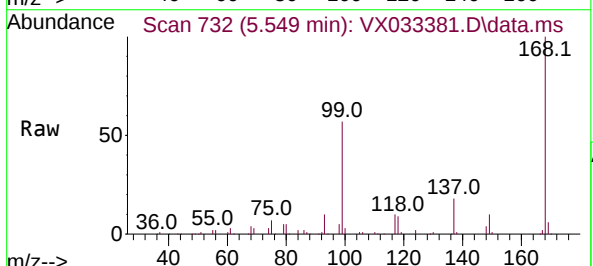
Tgt Ion: 56 Resp: 2891

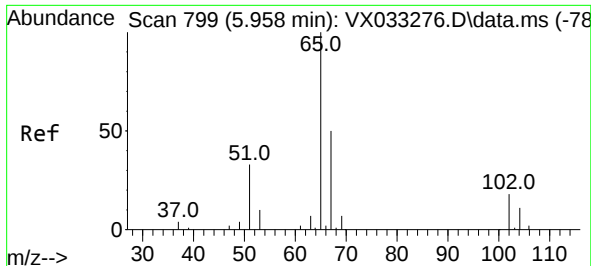
Ion Ratio Lower Upper

56 100

69 178.9 24.1 36.1#

84 124.7 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 45.342 ug/l

RT: 5.952 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX033381.D

Acq: 13 Dec 2022 10:50

Instrument :

MSVOA_X

ClientSampleId :

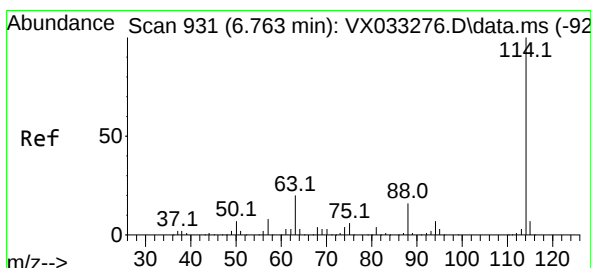
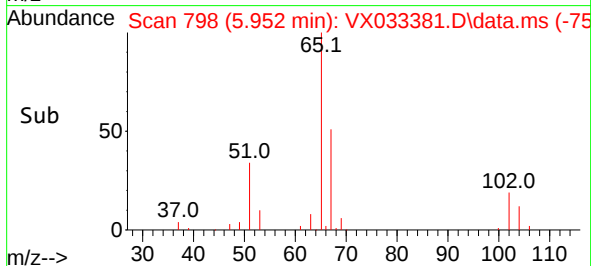
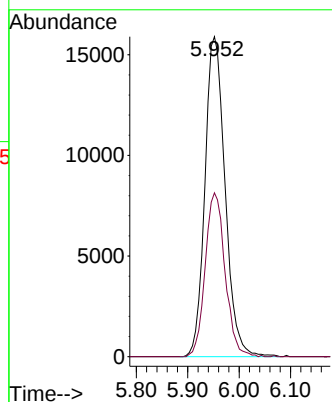
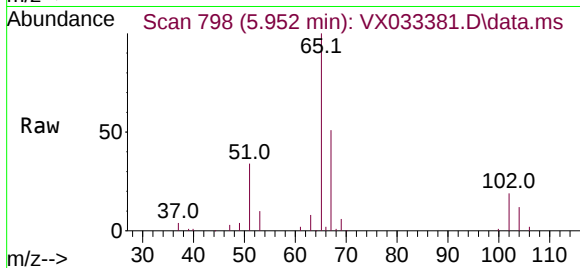
VX1213MBL01

Tgt Ion: 65 Resp: 43374

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX033381.D

Acq: 13 Dec 2022 10:50

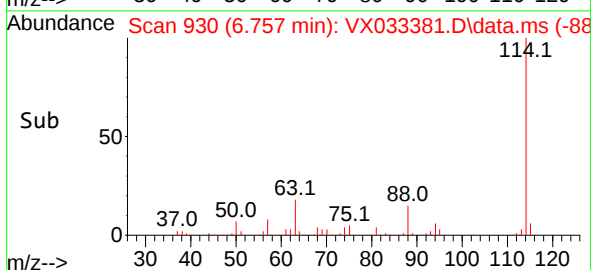
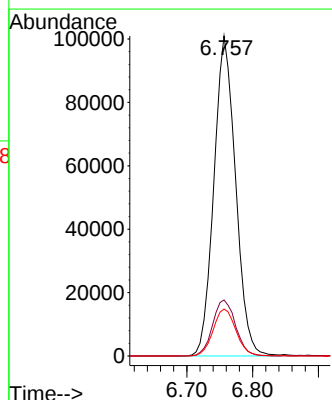
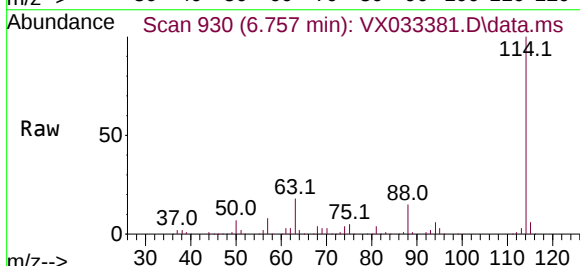
Tgt Ion: 114 Resp: 231859

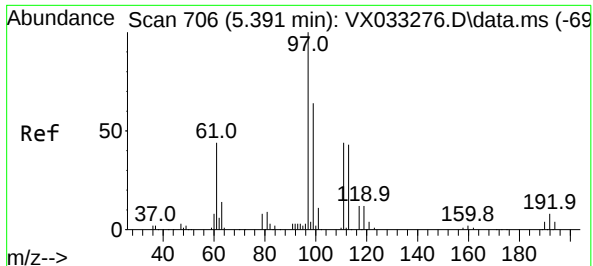
Ion Ratio Lower Upper

114 100

63 17.5 0.0 41.6

88 14.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.309 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.012 min

Lab File: VX033381.D

Acq: 13 Dec 2022 10:50

Instrument :

MSVOA_X

ClientSampleId :

VX1213MBL01

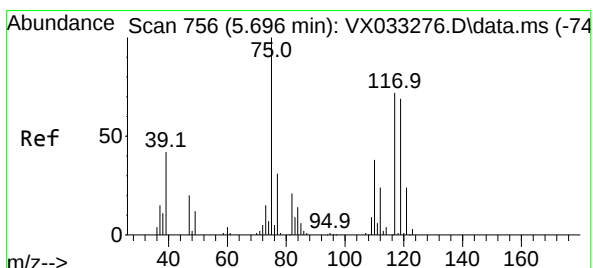
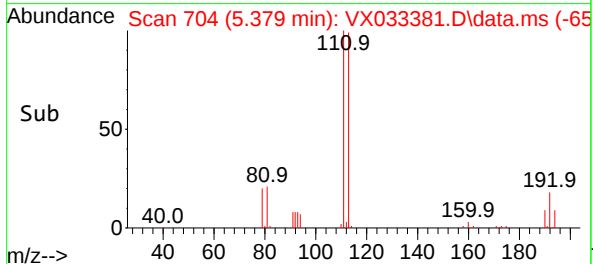
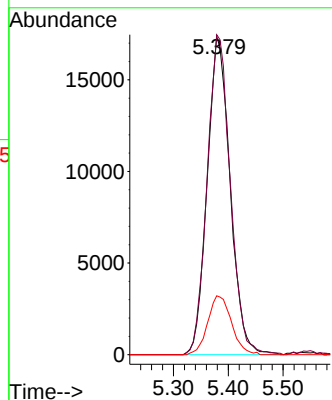
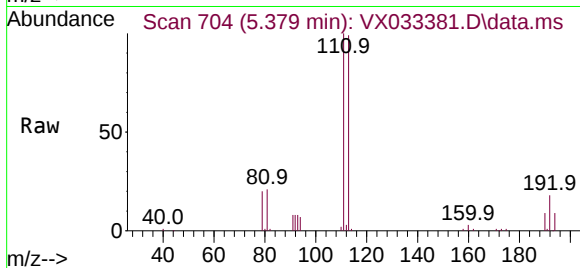
Tgt Ion:113 Resp: 50379

Ion Ratio Lower Upper

113 100

111 101.6 82.4 123.6

192 19.2 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.330 ug/l

RT: 5.549 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033381.D

Acq: 13 Dec 2022 10:50

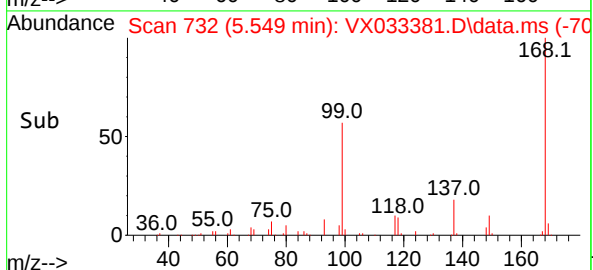
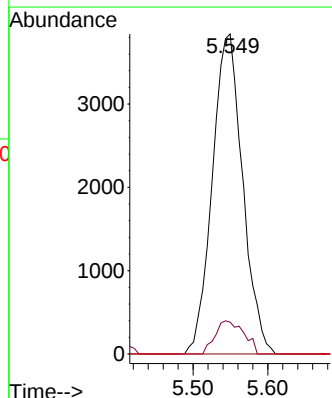
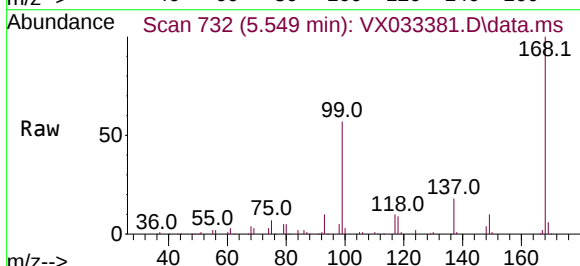
Tgt Ion: 75 Resp: 10838

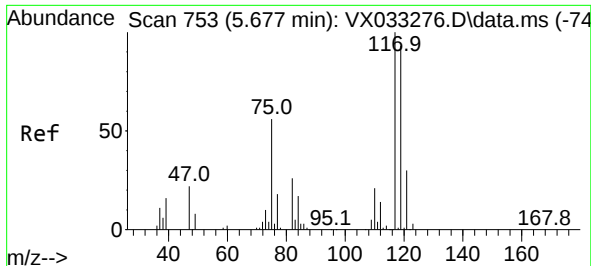
Ion Ratio Lower Upper

75 100

110 9.8 18.4 55.2#

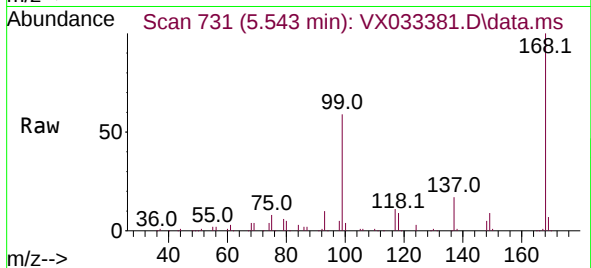
77 0.0 24.5 36.7#



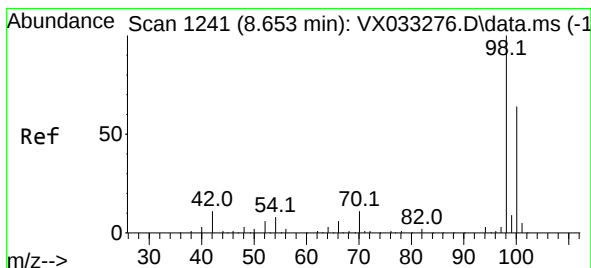
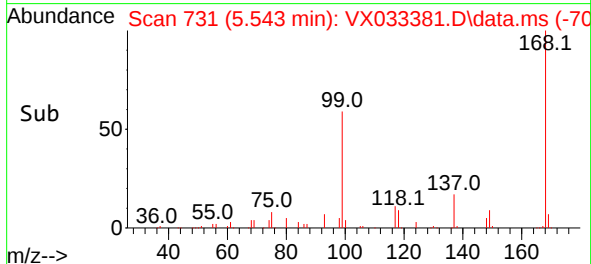
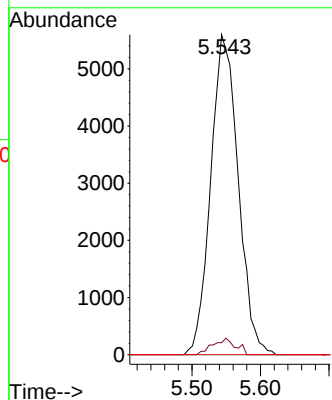


#38
Carbon Tetrachloride
Concen: 6.845 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX033381.D
Acq: 13 Dec 2022 10:50

Instrument :
MSVOA_X
ClientSampleId :
VX1213MBL01

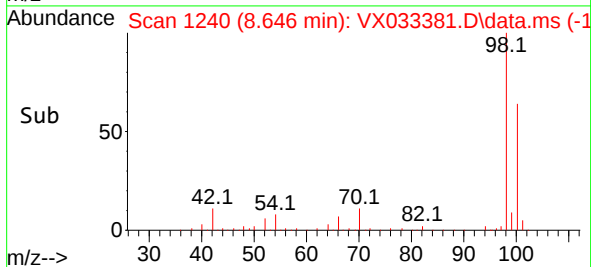
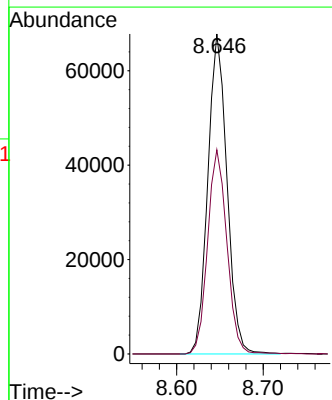
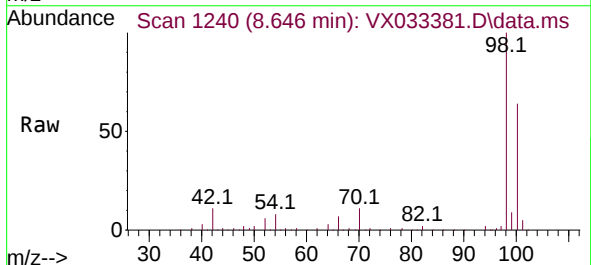


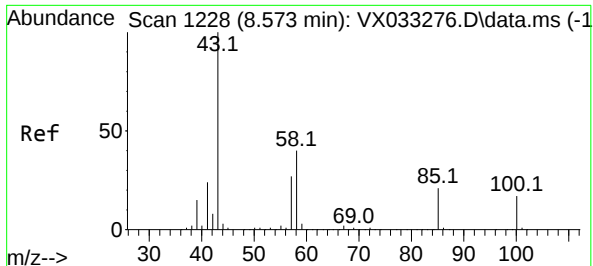
Tgt Ion:117 Resp: 15594
Ion Ratio Lower Upper
117 100
119 3.7 77.2 115.8#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 47.686 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033381.D
Acq: 13 Dec 2022 10:50

Tgt Ion: 98 Resp: 104032
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 0.237 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX033381.D

Acq: 13 Dec 2022 10:50

Instrument :

MSVOA_X

ClientSampleId :

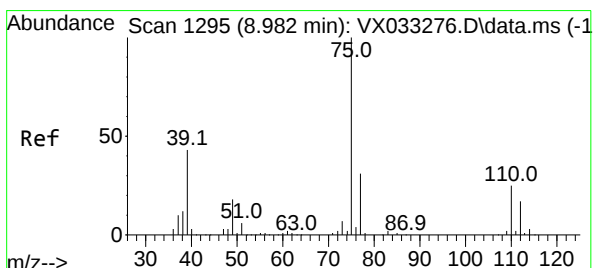
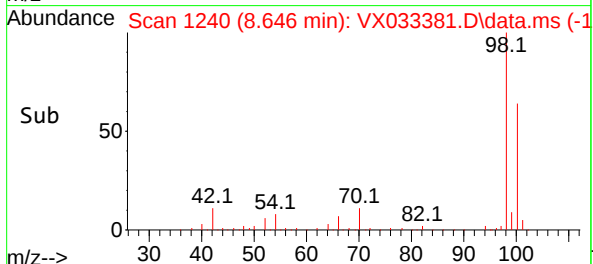
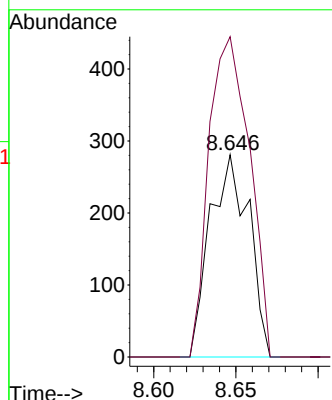
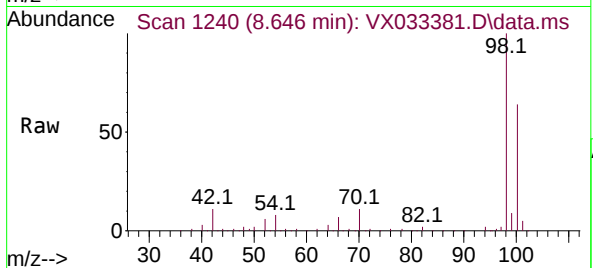
VX1213MBL01

Tgt Ion: 43 Resp: 463

Ion Ratio Lower Upper

43 100

58 165.4 30.9 46.3#



#53

t-1,3-Dichloropropene

Concen: 2.523 ug/l

RT: 8.994 min Scan# 1297

Delta R.T. 0.012 min

Lab File: VX033381.D

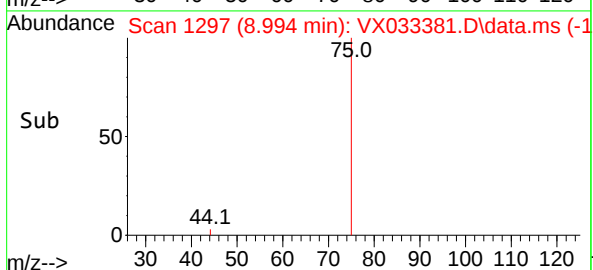
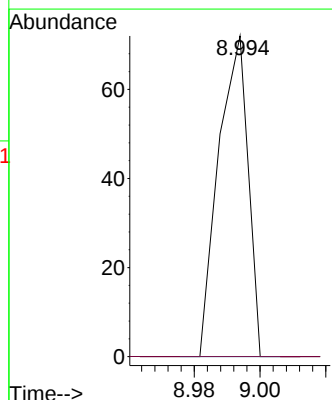
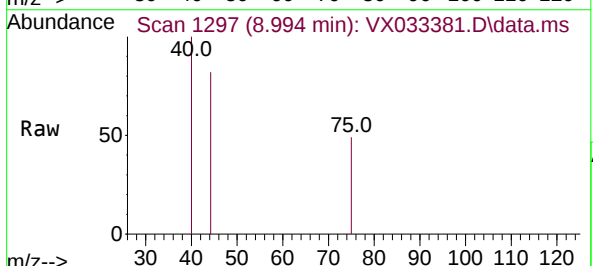
Acq: 13 Dec 2022 10:50

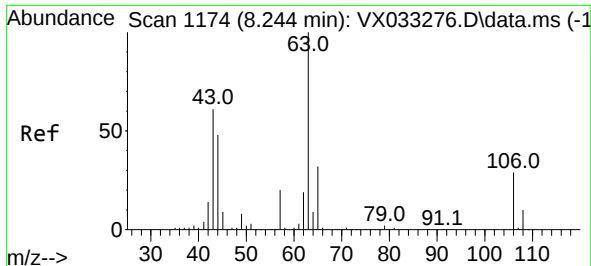
Tgt Ion: 75 Resp: 45

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

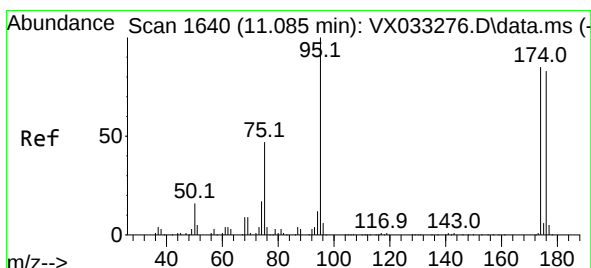
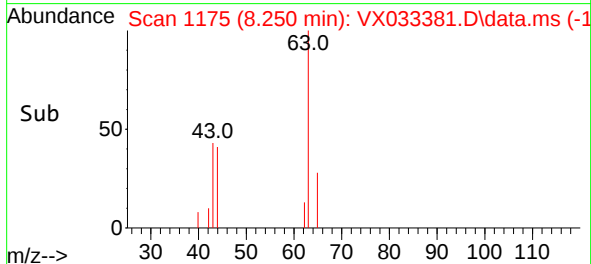
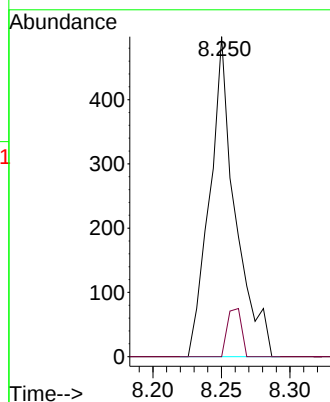
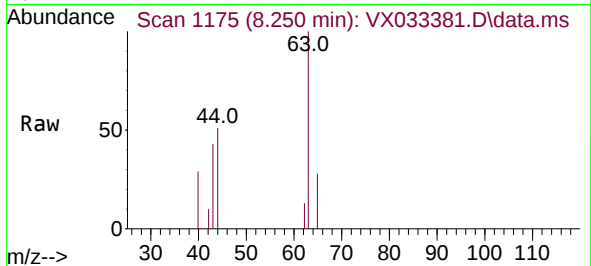




#58
2-Chloroethyl Vinyl ether
Concen: 0.622 ug/l
RT: 8.250 min Scan# 1174
Delta R.T. 0.006 min
Lab File: VX033381.D
Acq: 13 Dec 2022 10:50

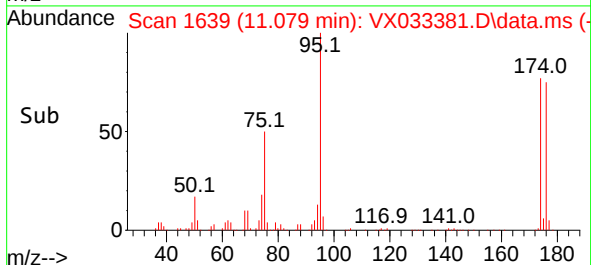
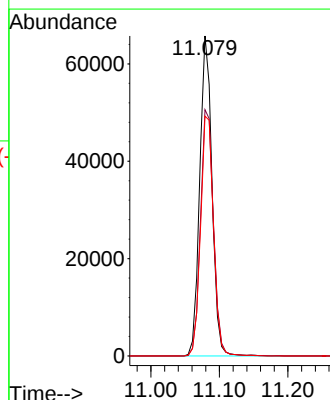
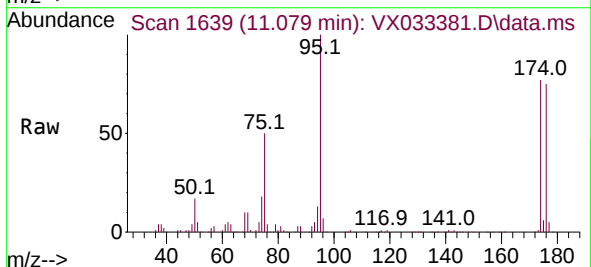
Instrument :
MSVOA_X
ClientSampleId :
VX1213MBL01

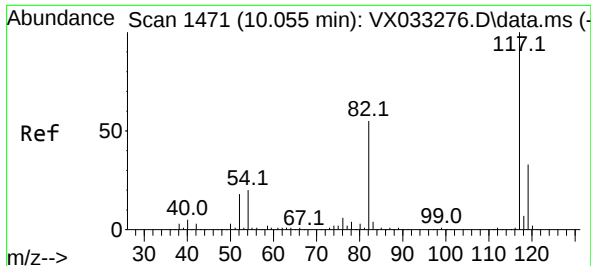
Tgt Ion: 63 Resp: 646
Ion Ratio Lower Upper
63 100
106 8.2 23.3 34.9#



#62
4-Bromofluorobenzene
Concen: 49.167 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033381.D
Acq: 13 Dec 2022 10:50

Tgt Ion: 95 Resp: 82015
Ion Ratio Lower Upper
95 100
174 81.5 0.0 164.0
176 79.2 0.0 154.4

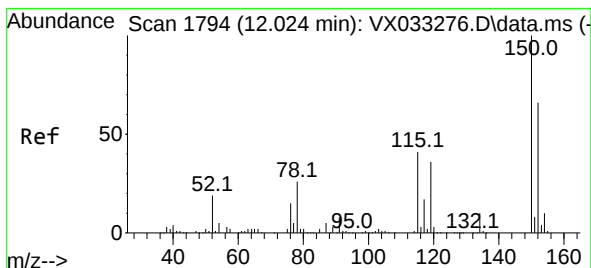
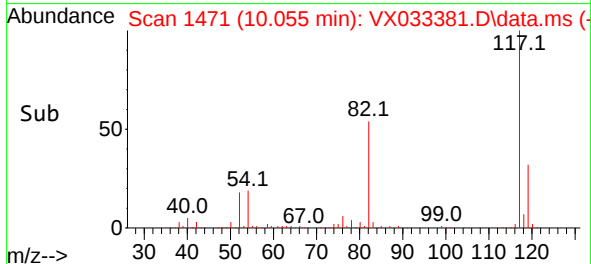
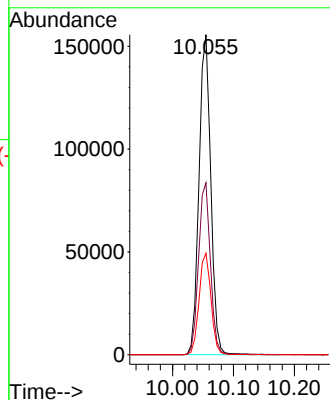
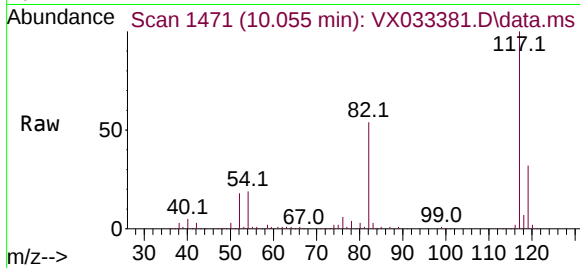




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033381.D
Acq: 13 Dec 2022 10:50

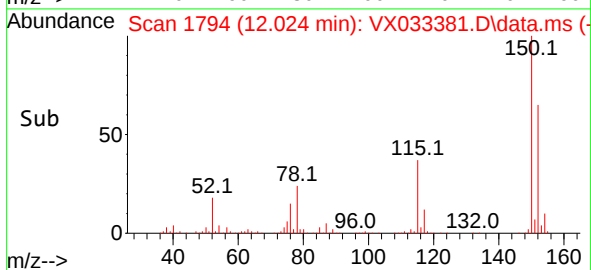
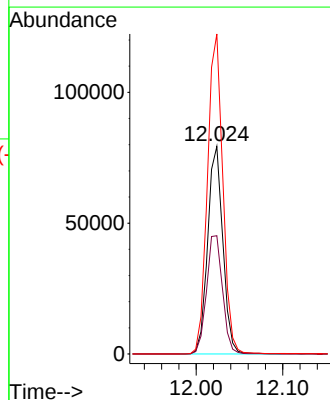
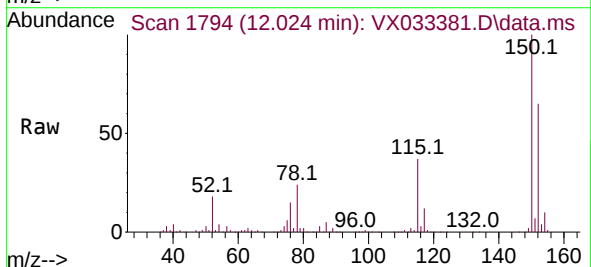
Instrument :
MSVOA_X
ClientSampleId :
VX1213MBL01

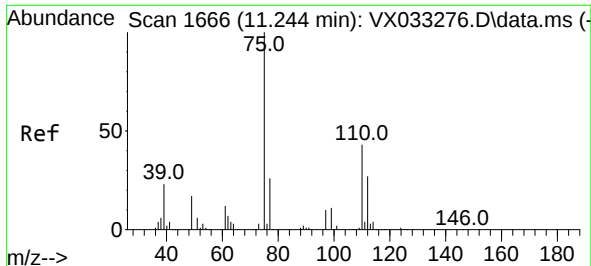
Tgt Ion:117 Resp: 208814
Ion Ratio Lower Upper
117 100
82 53.7 44.3 66.5
119 31.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033381.D
Acq: 13 Dec 2022 10:50

Tgt Ion:152 Resp: 96641
Ion Ratio Lower Upper
152 100
115 60.1 44.0 132.0
150 156.1 0.0 351.8

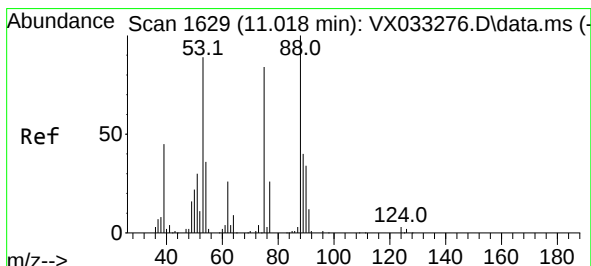
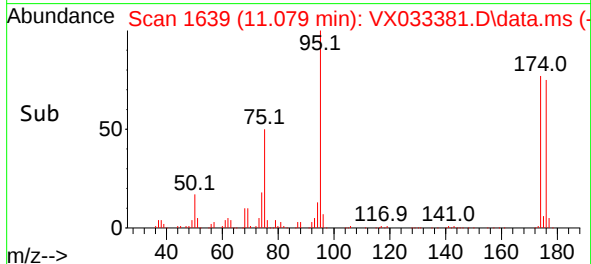
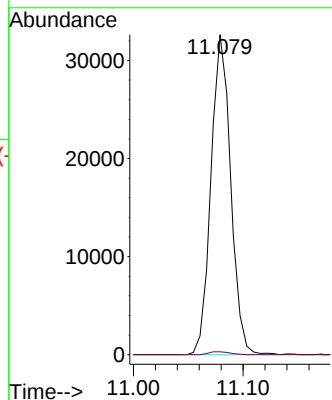
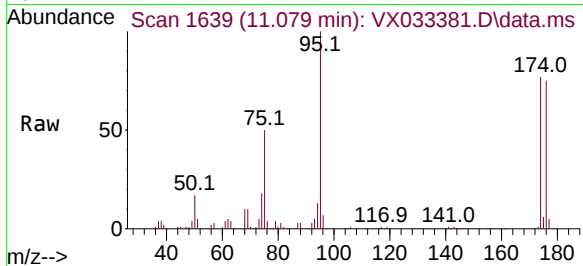




#76
1,2,3-Trichloropropane
Concen: 20.717 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033381.D
Acq: 13 Dec 2022 10:50

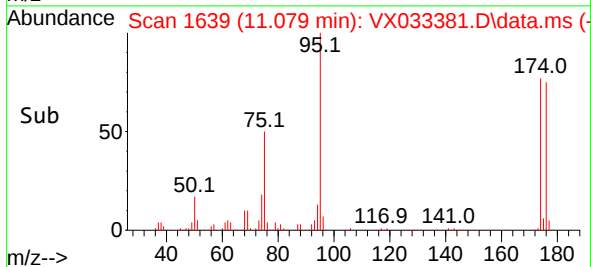
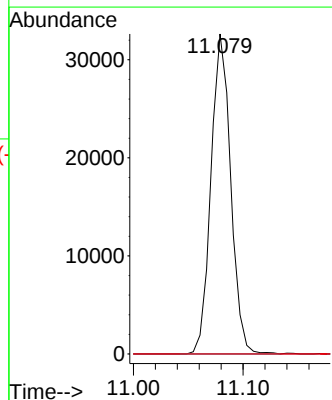
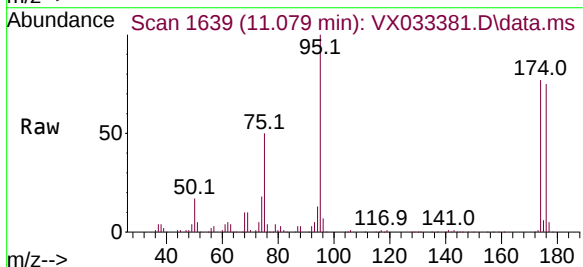
Instrument :
MSVOA_X
ClientSampleId :
VX1213MBL01

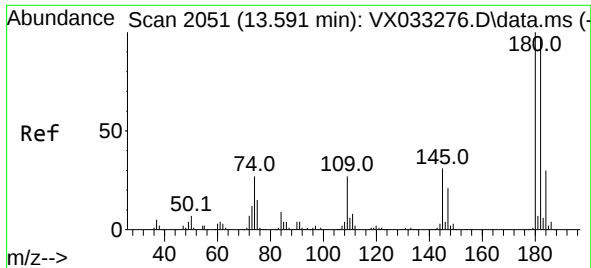
Tgt Ion: 75 Resp: 40733
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.444 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033381.D
Acq: 13 Dec 2022 10:50

Tgt Ion: 75 Resp: 40733
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

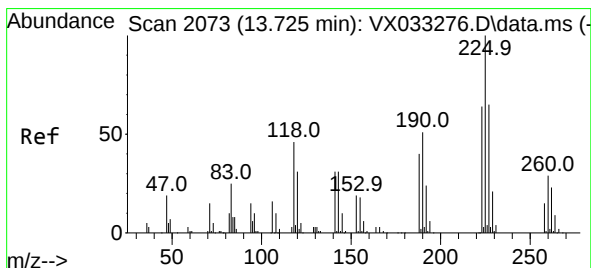
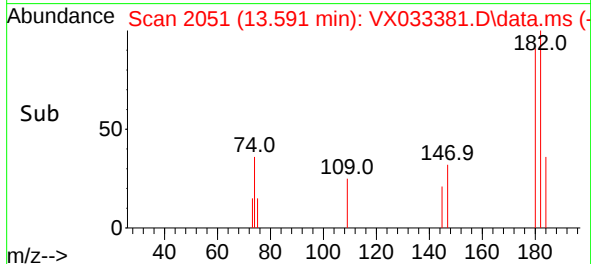
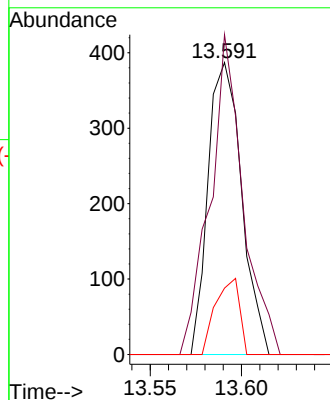
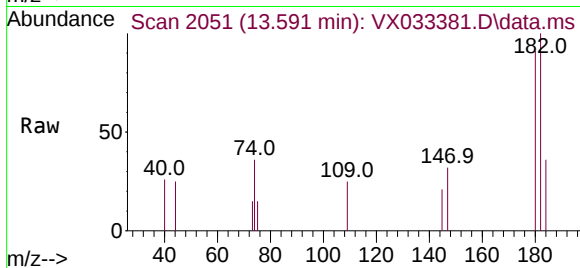




#93
 1,2,4-Trichlorobenzene
 Concen: 0.256 ug/l
 RT: 13.591 min Scan# 2051
 Delta R.T. -0.000 min
 Lab File: VX033381.D
 Acq: 13 Dec 2022 10:50

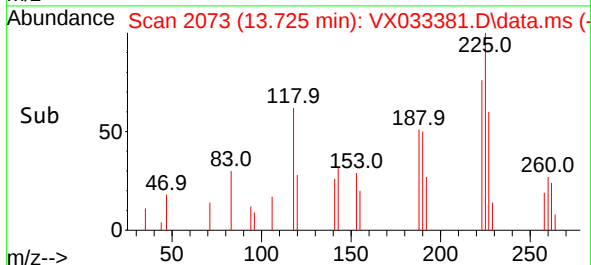
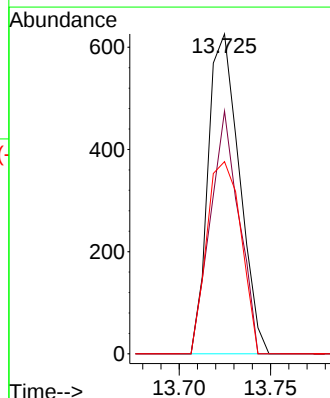
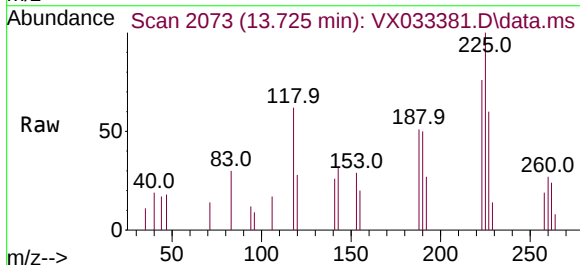
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1213MBL01

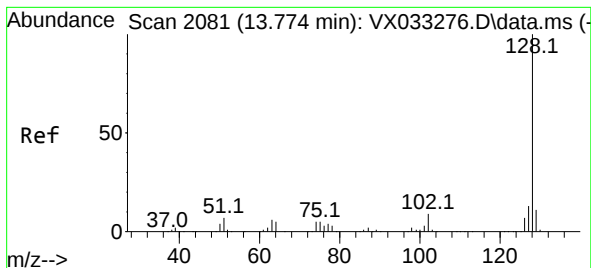
Tgt Ion:180	Resp:	495
Ion	Ratio	Lower Upper
180	100	
182	107.7	48.4 145.0
145	18.6	16.2 48.5



#94
 Hexachlorobutadiene
 Concen: 0.963 ug/l
 RT: 13.725 min Scan# 2073
 Delta R.T. -0.000 min
 Lab File: VX033381.D
 Acq: 13 Dec 2022 10:50

Tgt Ion:225	Resp:	746
Ion	Ratio	Lower Upper
225	100	
223	69.3	31.9 95.9
227	66.0	31.9 95.5





#95

Naphthalene

Concen: 0.237 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX033381.D

Acq: 13 Dec 2022 10:50

Instrument :

MSVOA_X

ClientSampleId :

VX1213MBL01

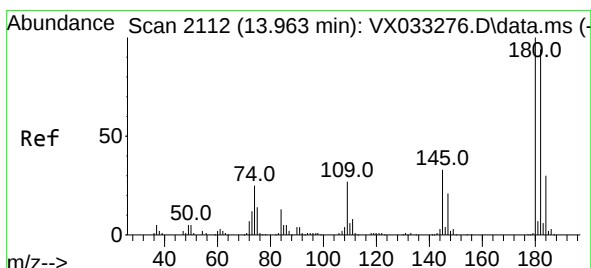
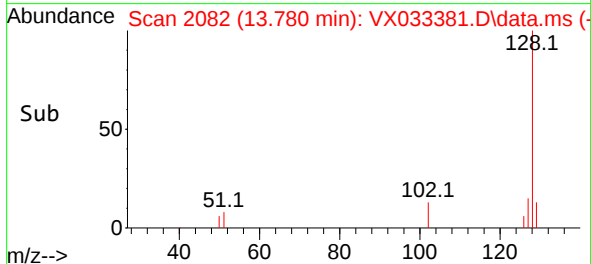
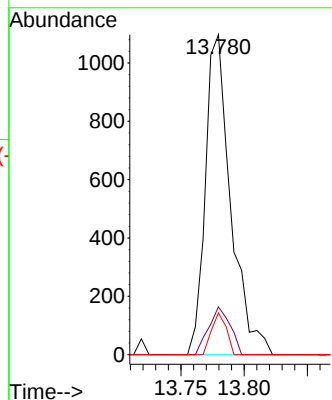
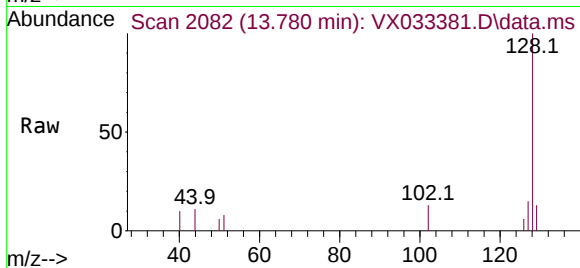
Tgt Ion:128 Resp: 1529

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

129 7.6 8.9 13.3#



#96

1,2,3-Trichlorobenzene

Concen: 0.256 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX033381.D

Acq: 13 Dec 2022 10:50

Tgt Ion:180 Resp: 502

Ion Ratio Lower Upper

180 100

182 108.4 47.5 142.6

145 38.4 16.9 50.6

