

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121422\
 Data File : VX033420.D
 Acq On : 14 Dec 2022 15:30
 Operator : JC/MD
 Sample : PB149591ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149591ZHE#01

Quant Time: Dec 14 22:50:33 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	5.556	168	127554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	206244	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	196705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	86632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	32654	39.904	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	79.800%		
35) Dibromofluoromethane	5.385	113	36582	39.435	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	78.880%		
50) Toluene-d8	8.647	98	77083	39.722	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	79.440%#		
62) 4-Bromofluorobenzene	11.079	95	60343	40.668	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	81.340%#		
Target Compounds						
					Qvalue	
3) Chloromethane	1.264	50	746	0.724	ug/l #	43
11) Tert butyl alcohol	2.947	59	4015	16.048	ug/l #	72
16) Acetone	2.386	43	6832	11.283	ug/l	93
18) Methyl Acetate	2.709	43	1210	0.690	ug/l	91
20) Methylene Chloride	2.794	84	5646	4.181	ug/l	90
25) 2-Butanone	4.568	43	2021	2.325	ug/l #	87
31) Cyclohexane	5.556	56	2479	1.275	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9353	5.171	ug/l #	50
37) Ethyl Acetate	4.715	43	16306	9.538	ug/l	99
38) Carbon Tetrachloride	5.550	117	12897	6.365	ug/l #	15
43) Isopropyl Acetate	6.342	43	70407	25.595	ug/l	98
48) Methyl methacrylate	7.799	41	67369	47.453	ug/l #	42
51) 4-Methyl-2-Pentanone	8.549	43	58347	33.541	ug/l #	50
52) Toluene	8.720	92	830	0.243	ug/l	92
53) t-1,3-Dichloropropene	8.958	75	612	2.776	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28167	13.218	ug/l #	58
56) Ethyl methacrylate	9.244	69	606	0.300	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3823	1.660	ug/l #	42
59) 2-Hexanone	9.482	43	49713	38.779	ug/l #	54
74) N-amyl acetate	10.640	43	18290	8.537	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	30720	17.429	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	30720	54.217	ug/l #	6

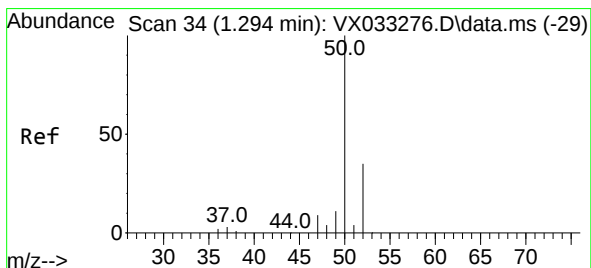
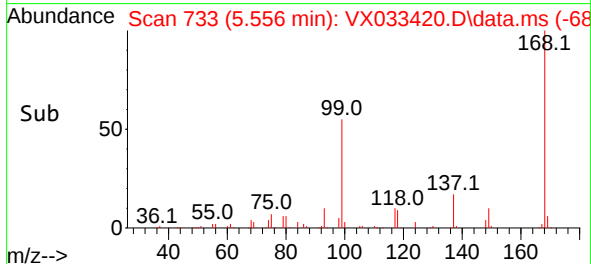
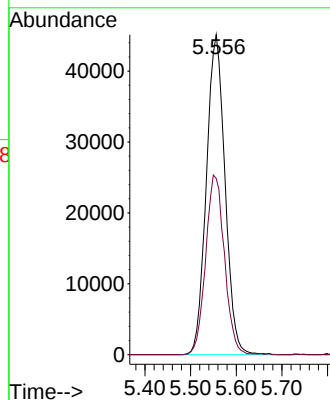
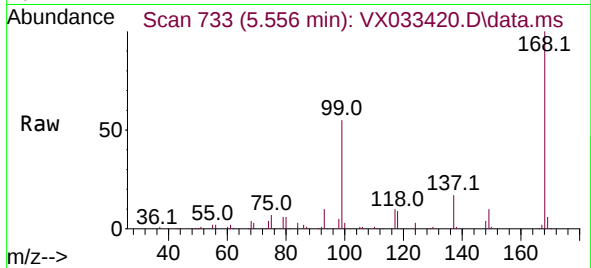
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033420.D
Acq: 14 Dec 2022 15:30

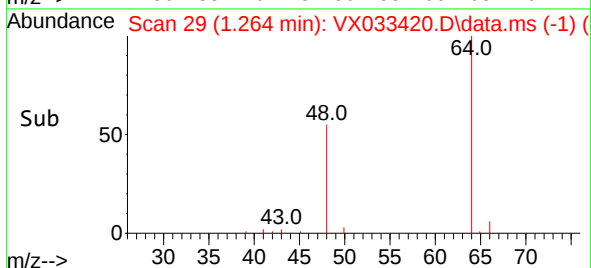
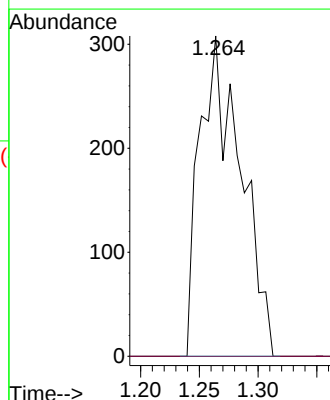
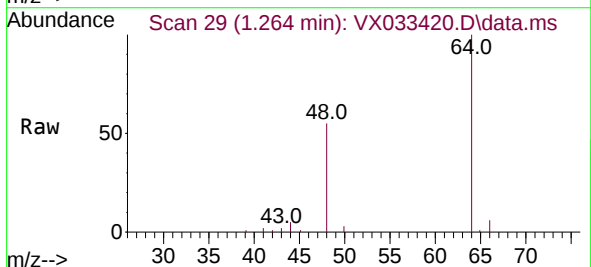
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#01

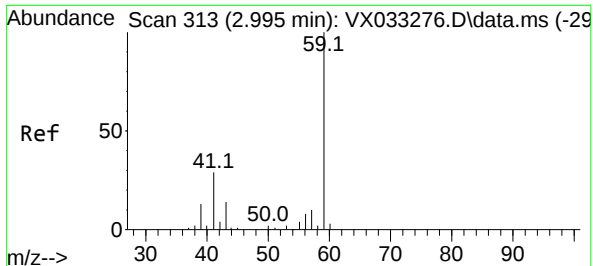
Tgt Ion:168 Resp: 127554
Ion Ratio Lower Upper
168 100
99 55.1 46.1 69.1



#3
Chloromethane
Concen: 0.724 ug/l
RT: 1.264 min Scan# 29
Delta R.T. -0.030 min
Lab File: VX033420.D
Acq: 14 Dec 2022 15:30

Tgt Ion: 50 Resp: 746
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 16.048 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.048 min

Lab File: VX033420.D

Acq: 14 Dec 2022 15:30

Instrument :

MSVOA_X

ClientSampleId :

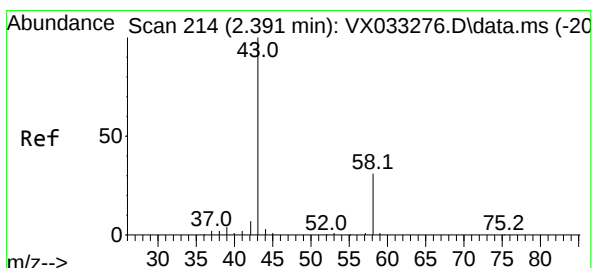
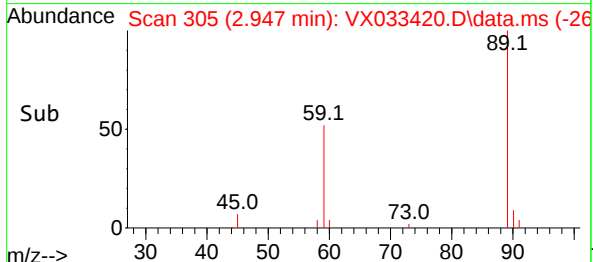
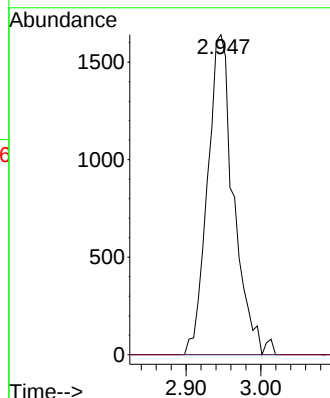
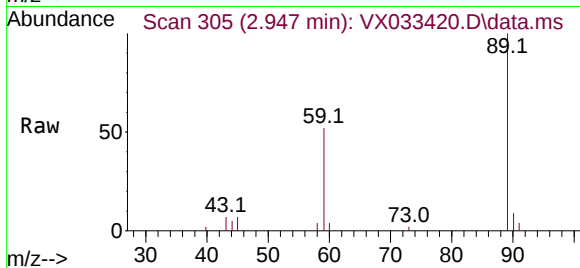
PB149591ZHE#01

Tgt Ion: 59 Resp: 4015

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 11.283 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX033420.D

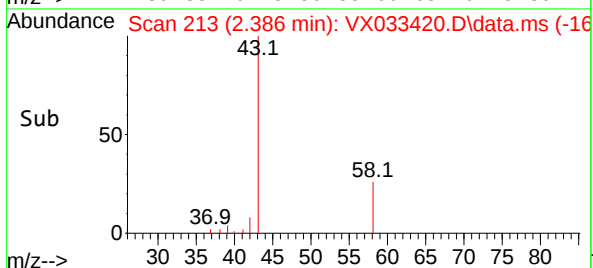
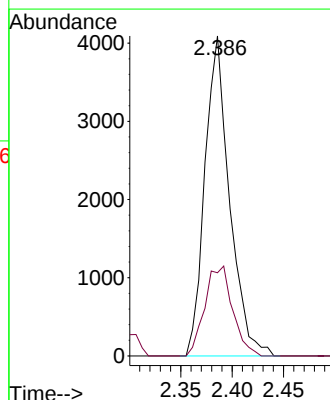
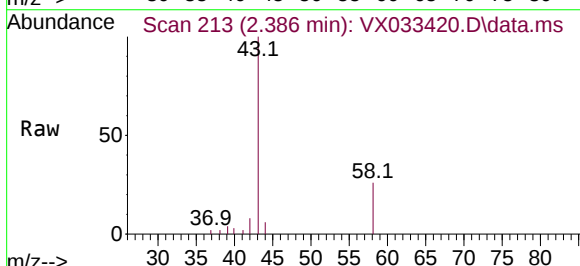
Acq: 14 Dec 2022 15:30

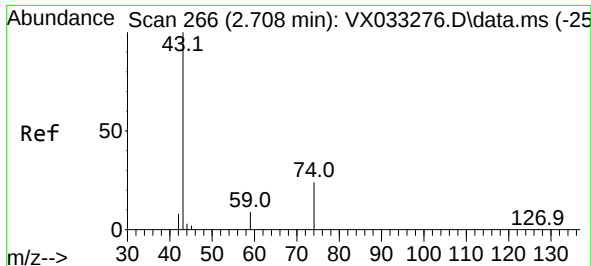
Tgt Ion: 43 Resp: 6832

Ion Ratio Lower Upper

43 100

58 26.0 23.8 35.8





#18

Methyl Acetate

Concen: 0.690 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.000 min

Lab File: VX033420.D

Acq: 14 Dec 2022 15:30

Instrument :

MSVOA_X

ClientSampleId :

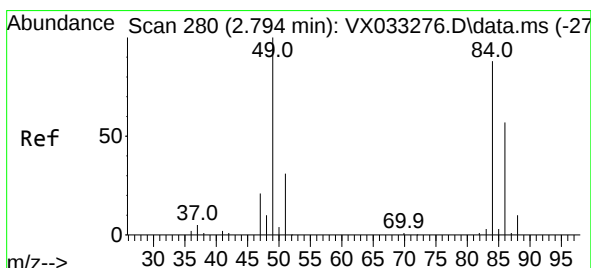
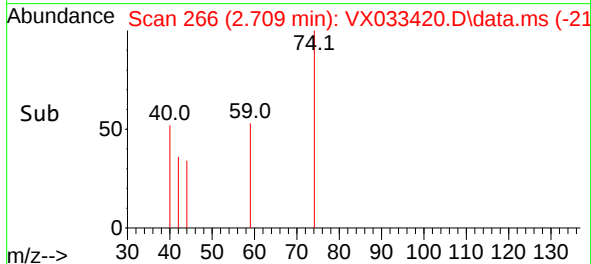
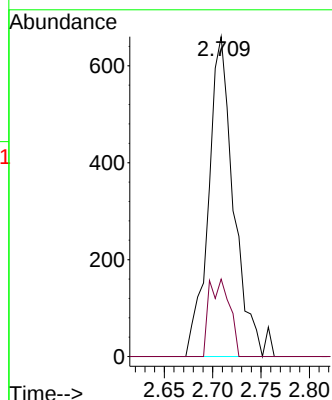
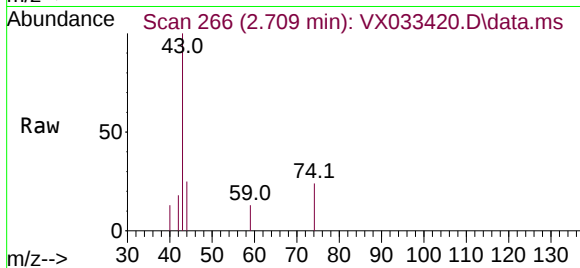
PB149591ZHE#01

Tgt Ion: 43 Resp: 1210

Ion Ratio Lower Upper

43 100

74 19.5 19.4 29.0



#20

Methylene Chloride

Concen: 4.181 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX033420.D

Acq: 14 Dec 2022 15:30

Tgt Ion: 84 Resp: 5646

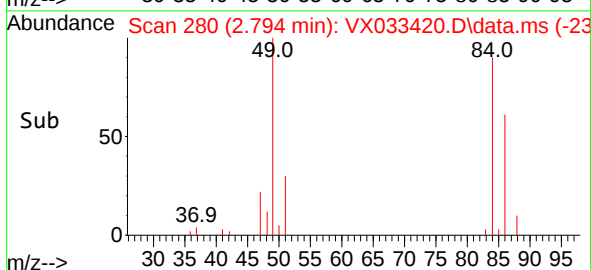
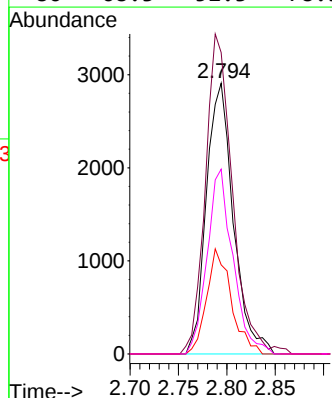
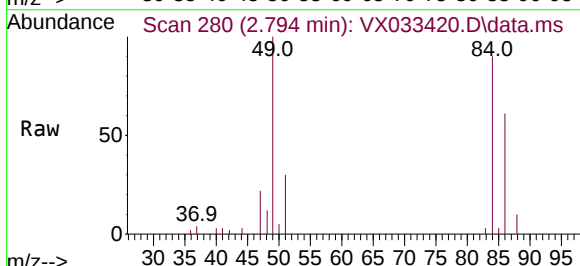
Ion Ratio Lower Upper

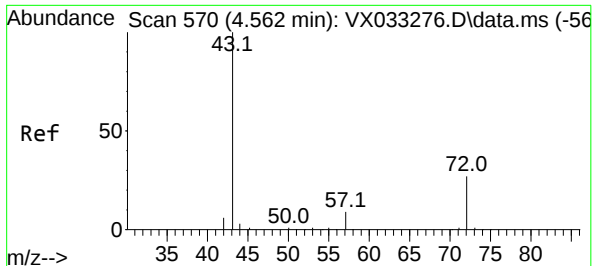
84 100

49 111.3 101.0 151.6

51 32.9 31.1 46.7

86 68.3 52.3 78.5

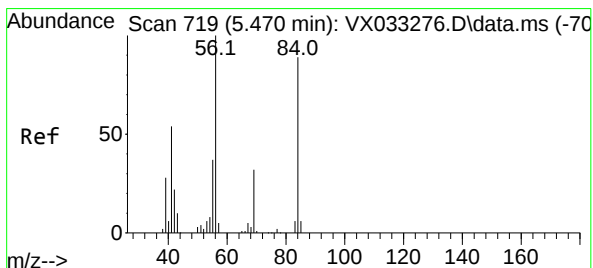
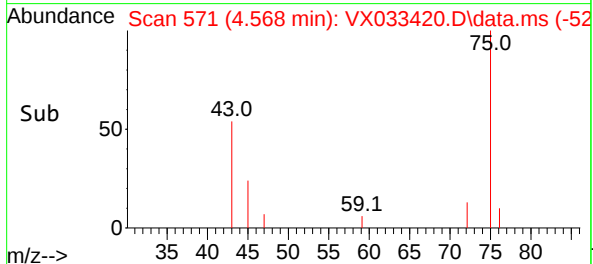
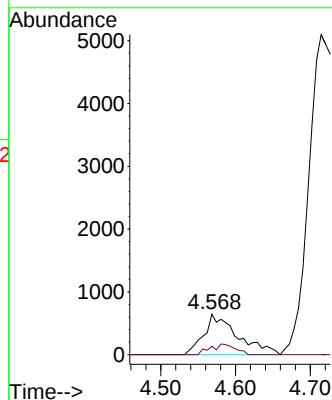
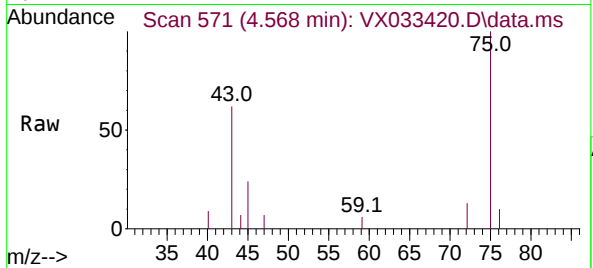




#25
2-Butanone
Concen: 2.325 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX033420.D
Acq: 14 Dec 2022 15:30

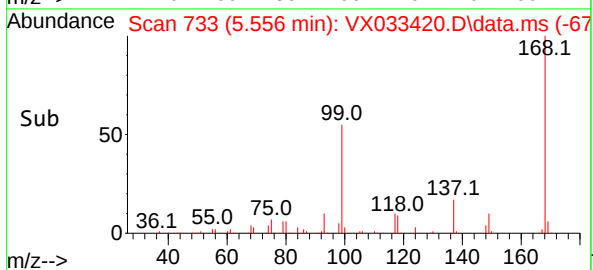
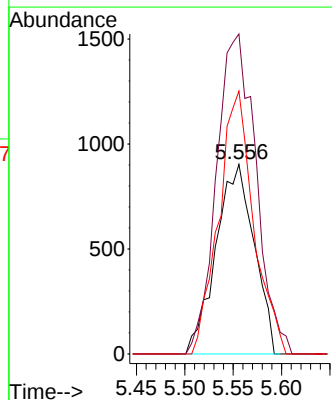
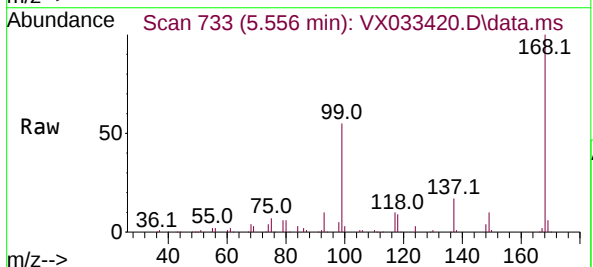
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#01

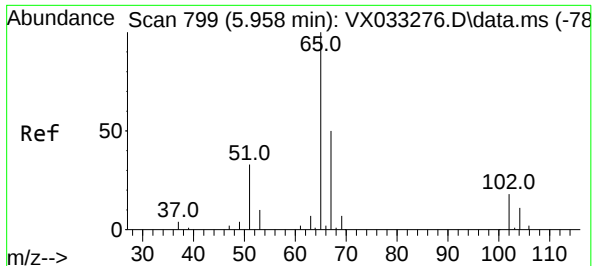
Tgt Ion: 43 Resp: 2021
Ion Ratio Lower Upper
43 100
72 21.0 22.2 33.2#



#31
Cyclohexane
Concen: 1.275 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX033420.D
Acq: 14 Dec 2022 15:30

Tgt Ion: 56 Resp: 2479
Ion Ratio Lower Upper
56 100
69 168.8 24.1 36.1#
84 138.6 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 39.904 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033420.D

Acq: 14 Dec 2022 15:30

Instrument :

MSVOA_X

ClientSampleId :

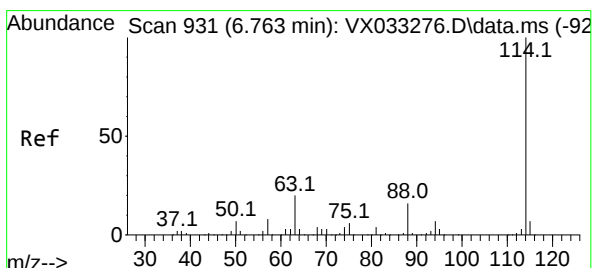
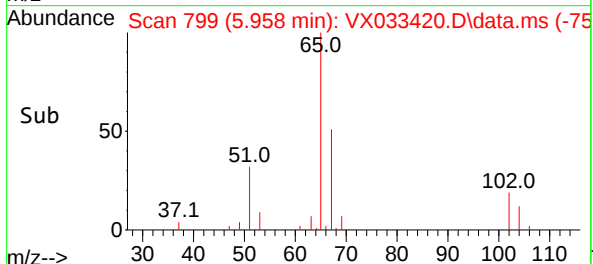
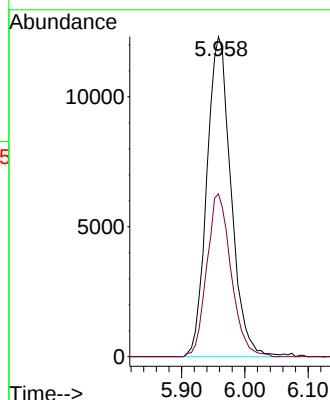
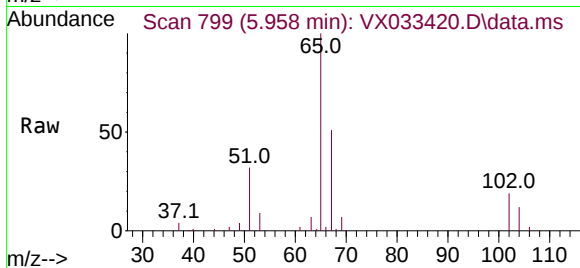
PB149591ZHE#01

Tgt Ion: 65 Resp: 32654

Ion Ratio Lower Upper

65 100

67 51.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033420.D

Acq: 14 Dec 2022 15:30

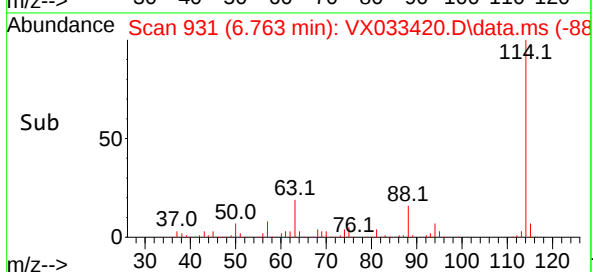
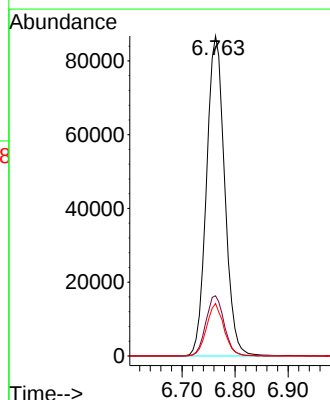
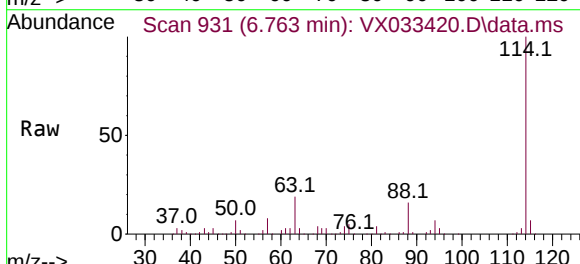
Tgt Ion: 114 Resp: 206244

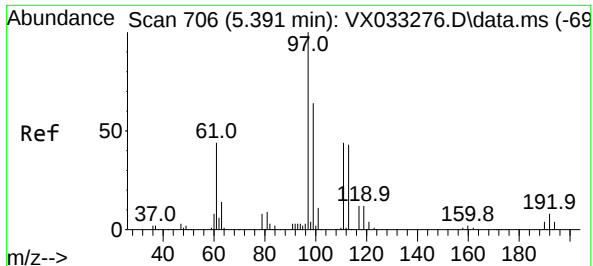
Ion Ratio Lower Upper

114 100

63 18.8 0.0 41.6

88 16.4 0.0 33.4





#35

Dibromofluoromethane

Concen: 39.435 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX033420.D

Acq: 14 Dec 2022 15:30

Instrument :

MSVOA_X

ClientSampleId :

PB149591ZHE#01

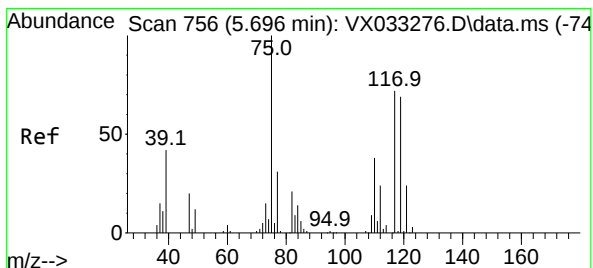
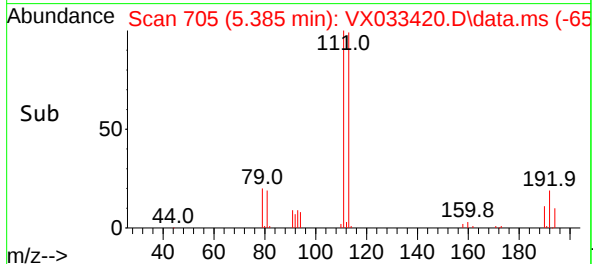
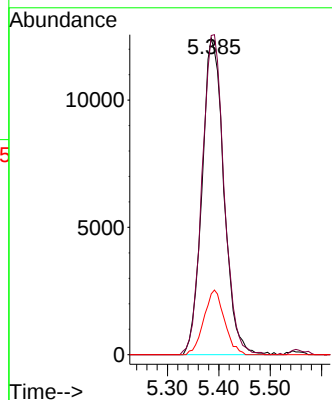
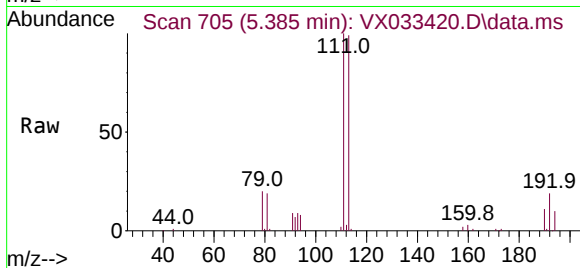
Tgt Ion:113 Resp: 36582

Ion Ratio Lower Upper

113 100

111 101.8 82.4 123.6

192 19.3 15.4 23.2



#36

1,1-Dichloropropene

Concen: 5.171 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033420.D

Acq: 14 Dec 2022 15:30

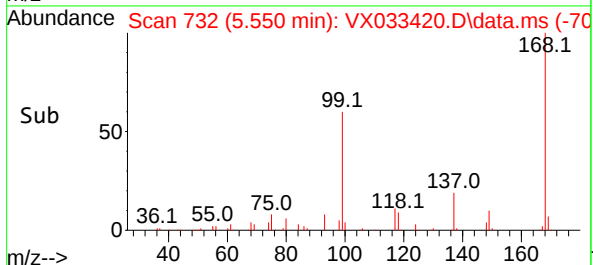
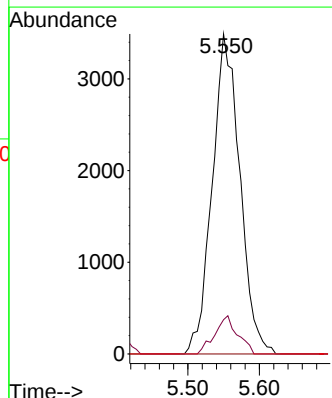
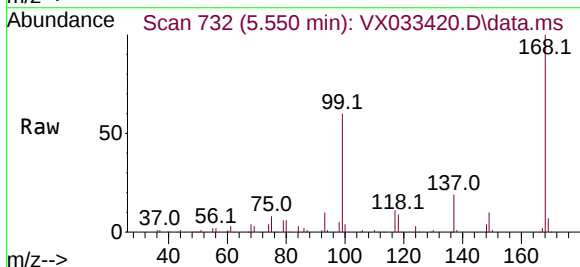
Tgt Ion: 75 Resp: 9353

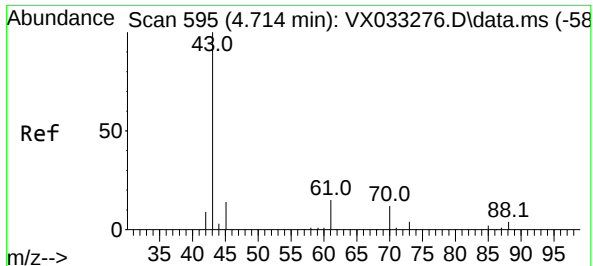
Ion Ratio Lower Upper

75 100

110 9.8 18.4 55.2#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 9.538 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX033420.D

Acq: 14 Dec 2022 15:30

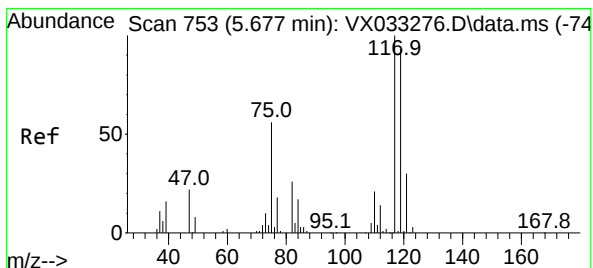
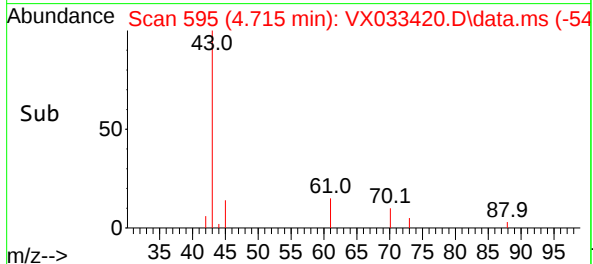
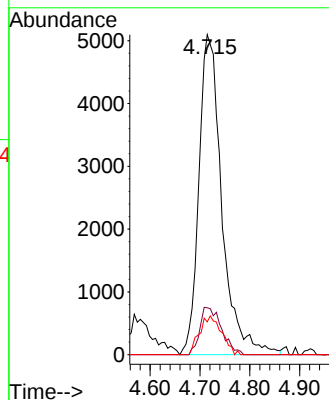
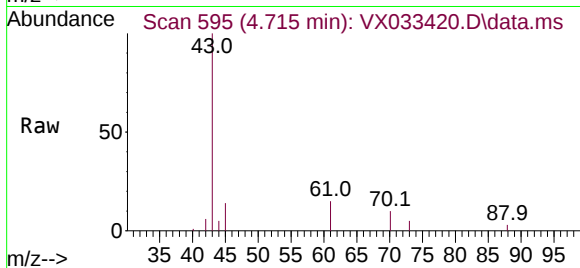
Instrument :

MSVOA_X

ClientSampleId :

PB149591ZHE#01

Tgt Ion: 43	Resp: 16306
Ion Ratio	Lower Upper
43 100	
61 14.0	11.5 17.3
70 11.6	9.1 13.7



#38

Carbon Tetrachloride

Concen: 6.365 ug/l

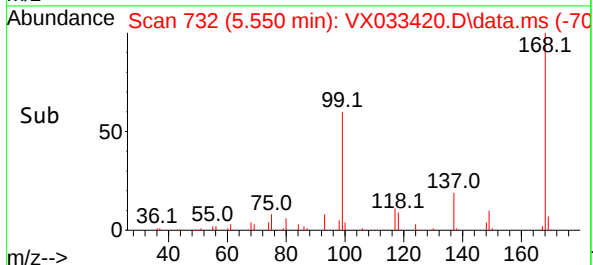
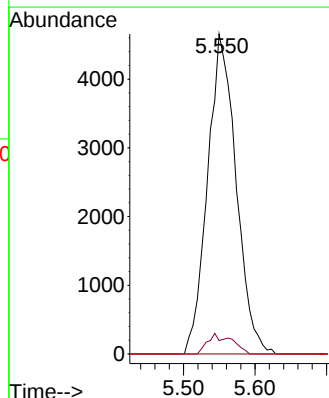
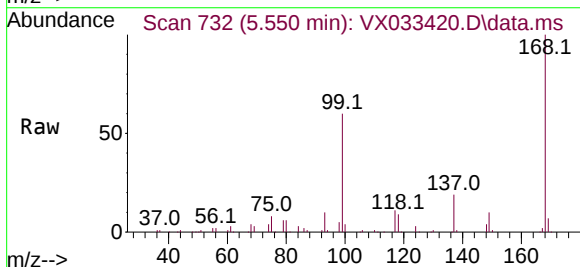
RT: 5.550 min Scan# 732

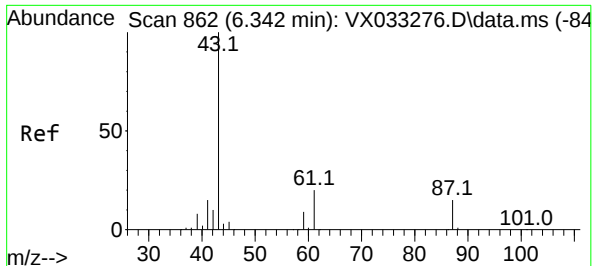
Delta R.T. -0.128 min

Lab File: VX033420.D

Acq: 14 Dec 2022 15:30

Tgt Ion: 117	Resp: 12897
Ion Ratio	Lower Upper
117 100	
119 4.2	77.2 115.8#
121 0.0	25.8 38.6#

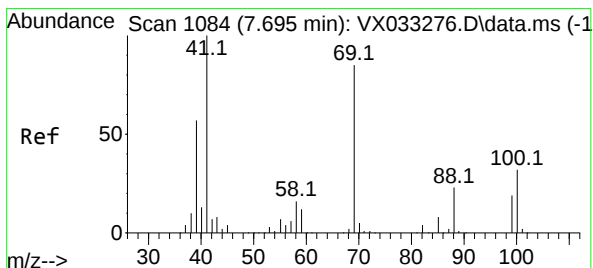
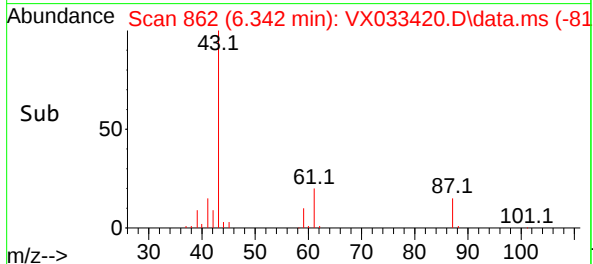
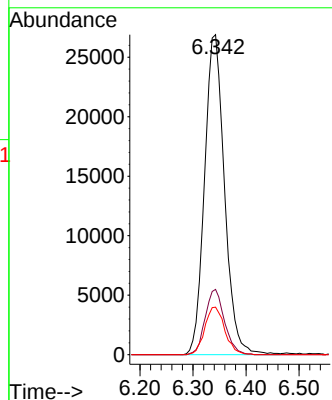
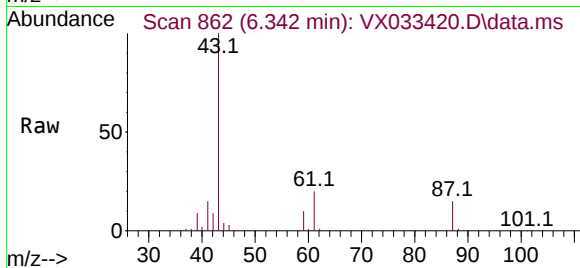




#43
Isopropyl Acetate
Concen: 25.595 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX033420.D
Acq: 14 Dec 2022 15:30

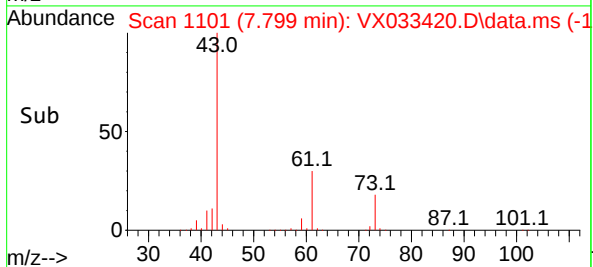
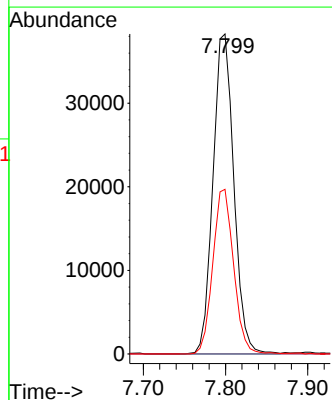
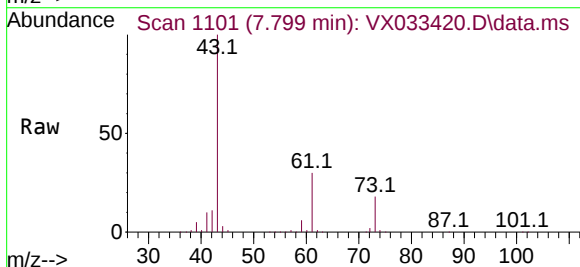
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#01

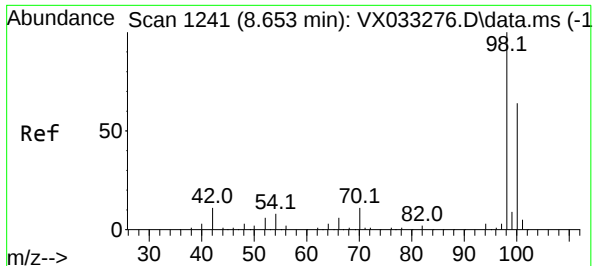
Tgt Ion: 43 Resp: 70407
Ion Ratio Lower Upper
43 100
61 19.7 15.4 23.0
87 14.9 10.8 16.2



#48
Methyl methacrylate
Concen: 47.453 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX033420.D
Acq: 14 Dec 2022 15:30

Tgt Ion: 41 Resp: 67369
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 51.5 51.9 77.9#

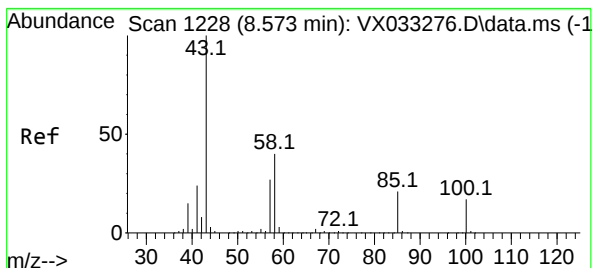
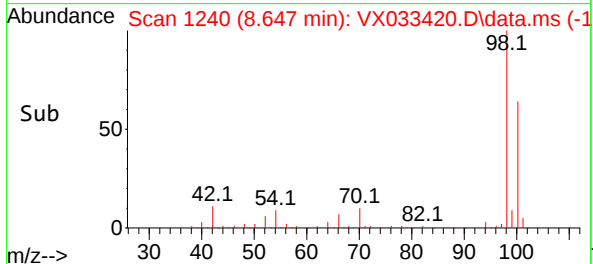
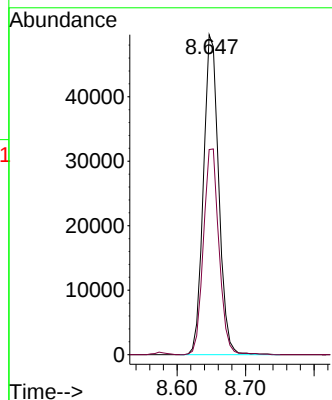
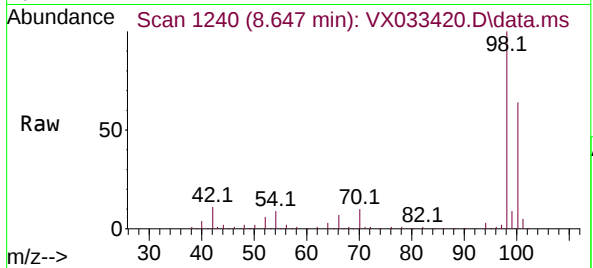




#50
Toluene-d8
Concen: 39.722 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033420.D
Acq: 14 Dec 2022 15:30

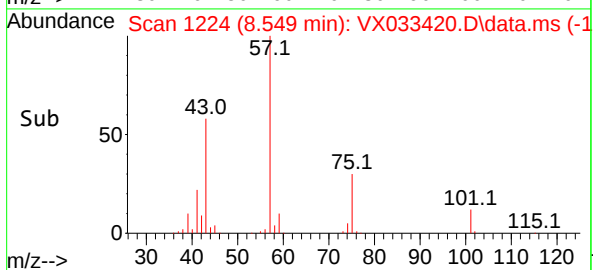
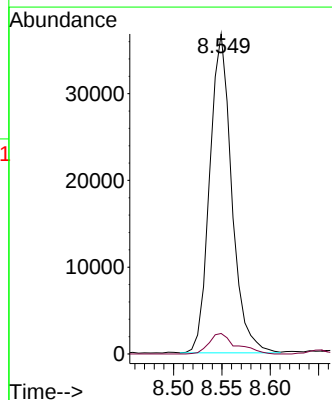
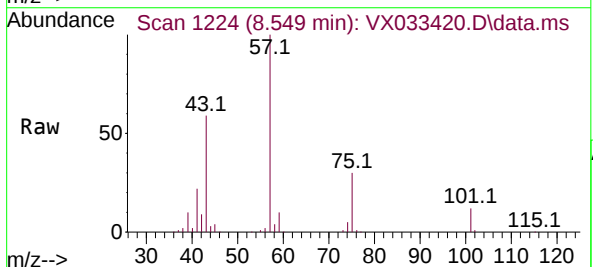
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#01

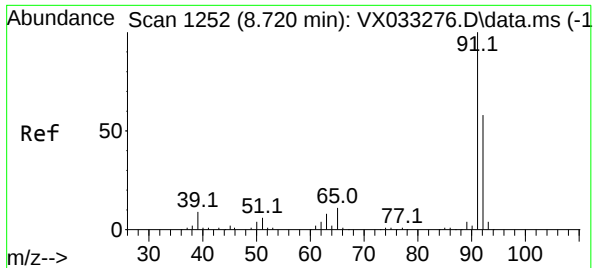
Tgt Ion: 98 Resp: 77083
Ion Ratio Lower Upper
98 100
100 65.7 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 33.541 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX033420.D
Acq: 14 Dec 2022 15:30

Tgt Ion: 43 Resp: 58347
Ion Ratio Lower Upper
43 100
58 7.9 30.9 46.3#





#52

Toluene

Concen: 0.243 ug/l

RT: 8.720 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX033420.D

Acq: 14 Dec 2022 15:30

Instrument :

MSVOA_X

ClientSampleId :

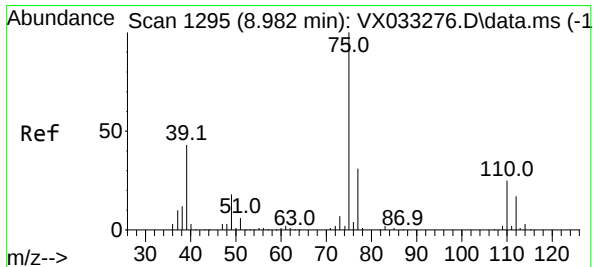
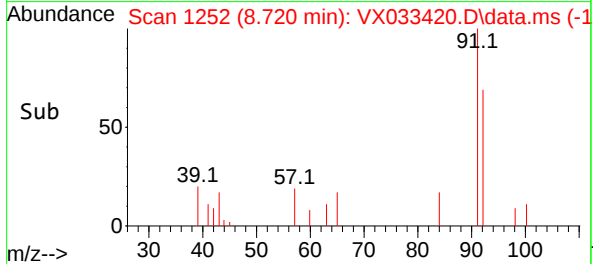
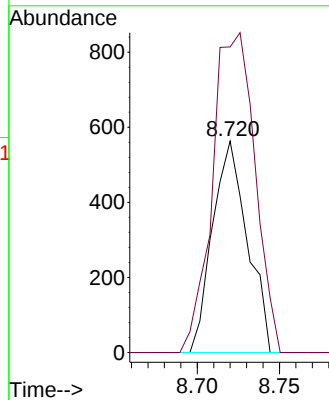
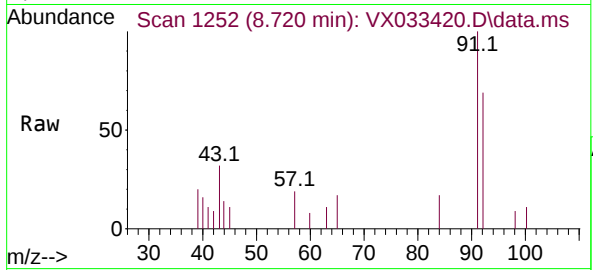
PB149591ZHE#01

Tgt Ion: 92 Resp: 830

Ion Ratio Lower Upper

92 100

91 184.5 138.3 207.5



#53

t-1,3-Dichloropropene

Concen: 2.776 ug/l

RT: 8.958 min Scan# 1291

Delta R.T. -0.024 min

Lab File: VX033420.D

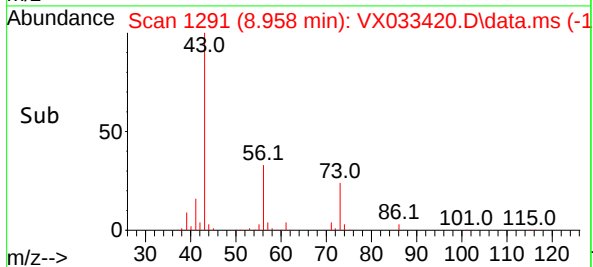
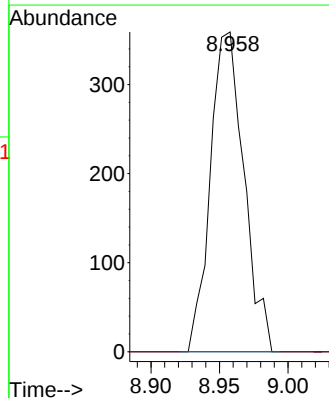
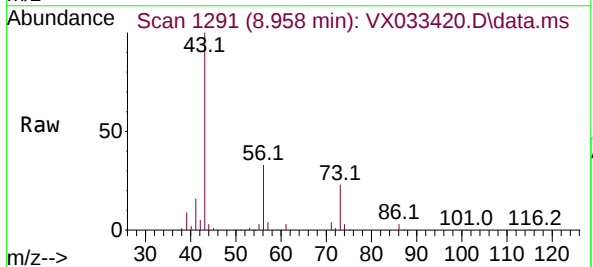
Acq: 14 Dec 2022 15:30

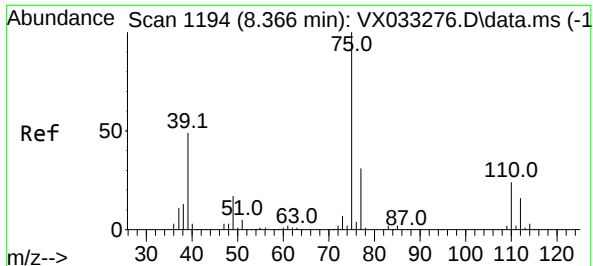
Tgt Ion: 75 Resp: 612

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#

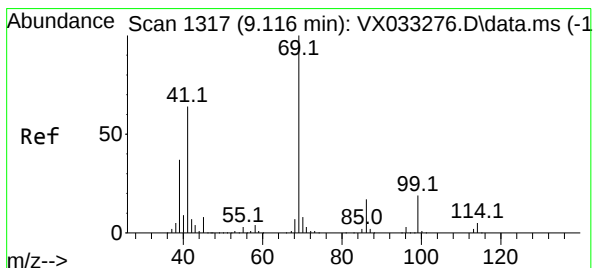
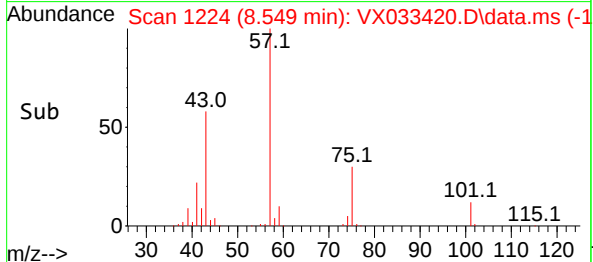
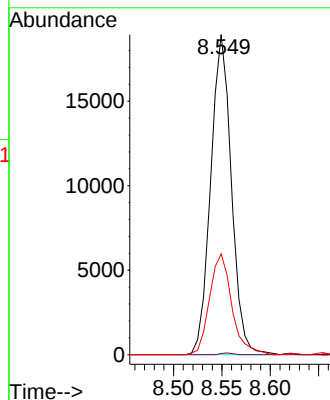
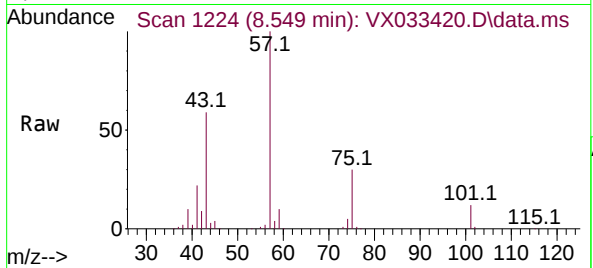




#54
cis-1,3-Dichloropropene
Concen: 13.218 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX033420.D
Acq: 14 Dec 2022 15:30

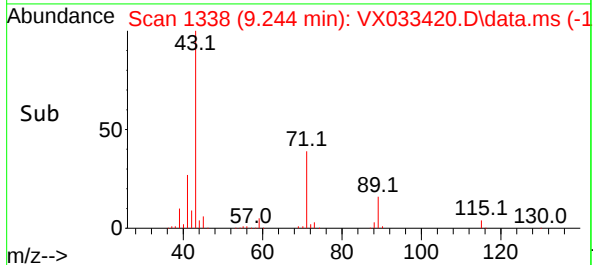
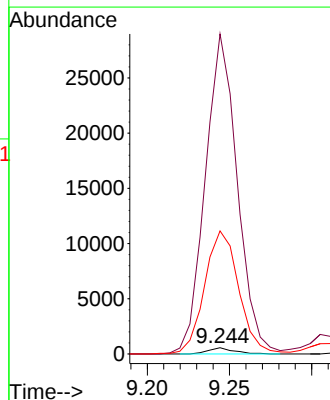
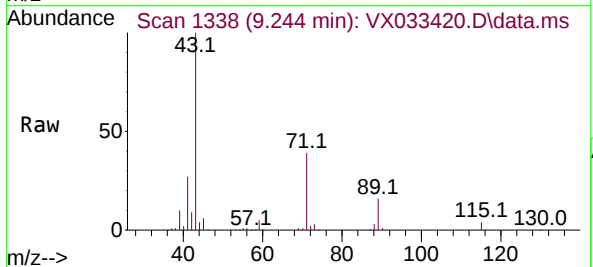
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#01

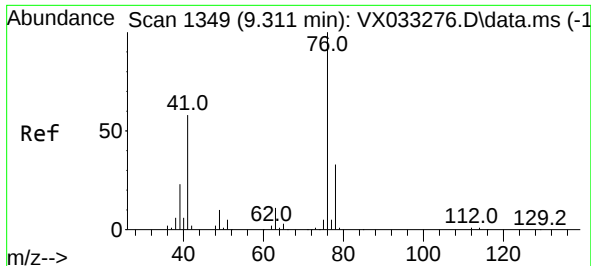
Tgt Ion: 75 Resp: 28167
Ion Ratio Lower Upper
75 100
77 0.3 25.1 37.7#
39 31.5 45.5 68.3#



#56
Ethyl methacrylate
Concen: 0.300 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX033420.D
Acq: 14 Dec 2022 15:30

Tgt Ion: 69 Resp: 606
Ion Ratio Lower Upper
69 100
41 6492.1 54.3 81.5#
39 2669.6 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 1.660 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033420.D

Acq: 14 Dec 2022 15:30

Instrument :

MSVOA_X

ClientSampleId :

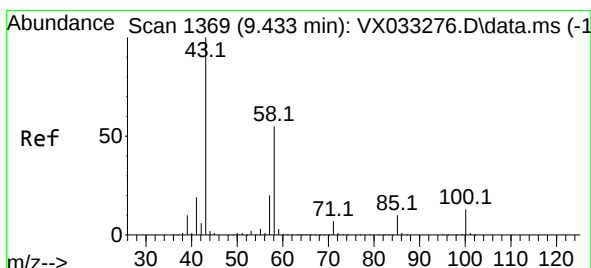
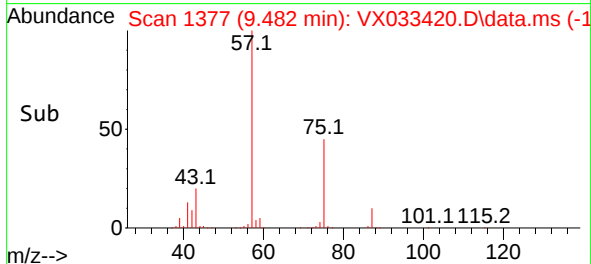
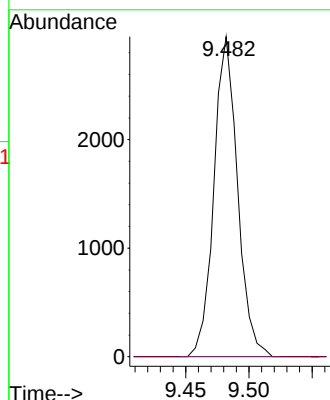
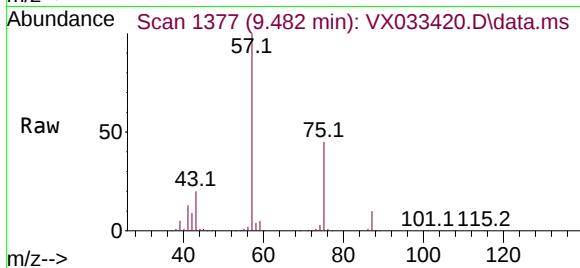
PB149591ZHE#01

Tgt Ion: 76 Resp: 3823

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#59

2-Hexanone

Concen: 38.779 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033420.D

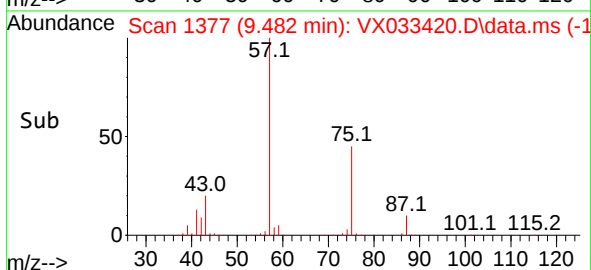
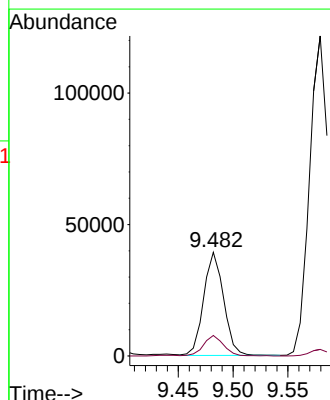
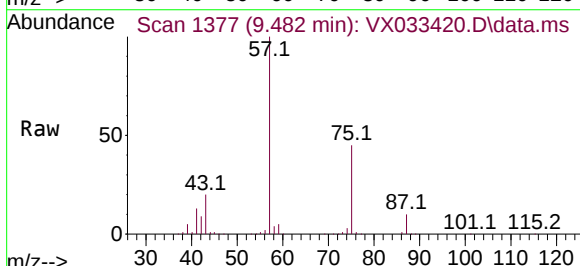
Acq: 14 Dec 2022 15:30

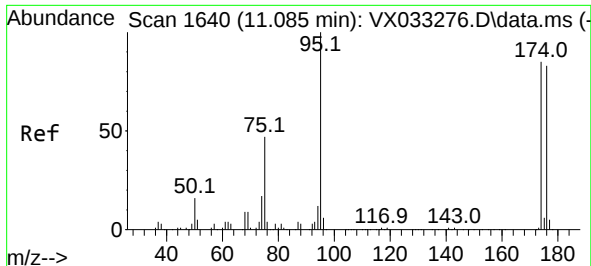
Tgt Ion: 43 Resp: 49713

Ion Ratio Lower Upper

43 100

58 20.1 26.5 79.5#

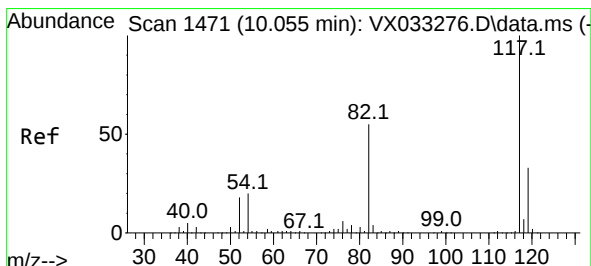
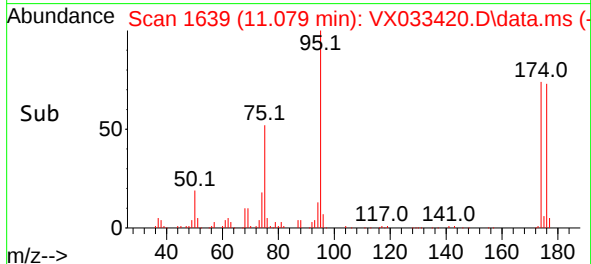
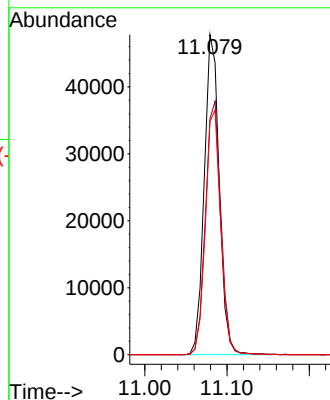
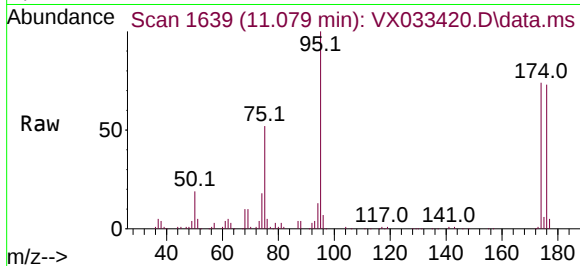




#62
4-Bromofluorobenzene
Concen: 40.668 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX033420.D
Acq: 14 Dec 2022 15:30

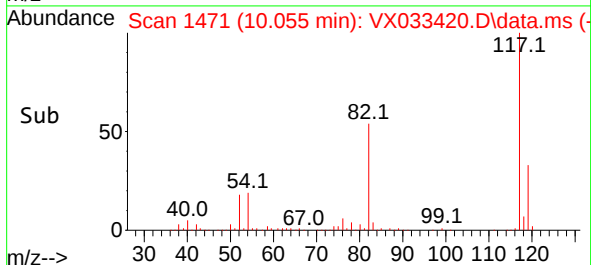
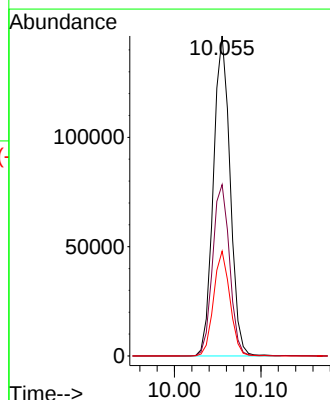
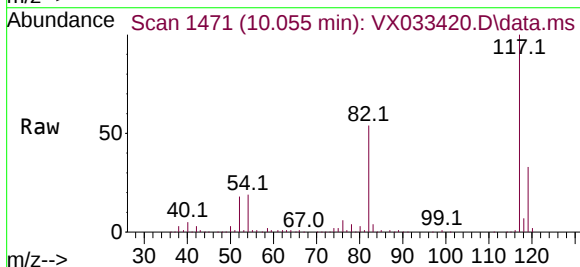
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#01

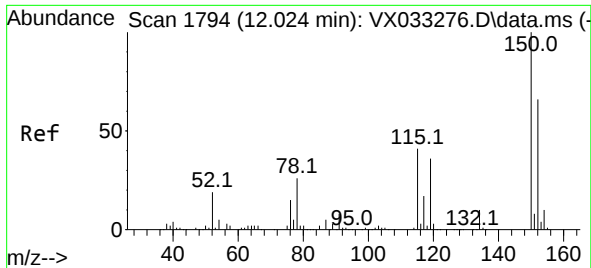
Tgt Ion: 95 Resp: 60343
Ion Ratio Lower Upper
95 100
174 82.3 0.0 164.0
176 78.3 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033420.D
Acq: 14 Dec 2022 15:30

Tgt Ion: 117 Resp: 196705
Ion Ratio Lower Upper
117 100
82 53.5 44.3 66.5
119 32.8 25.7 38.5

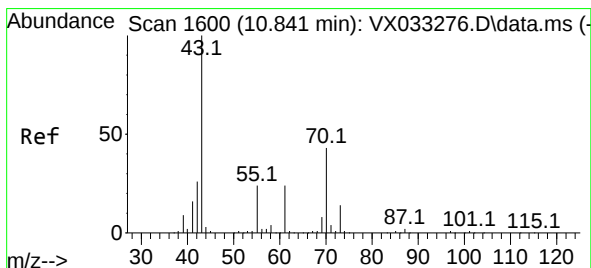
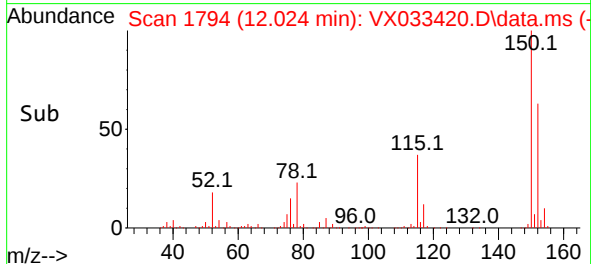
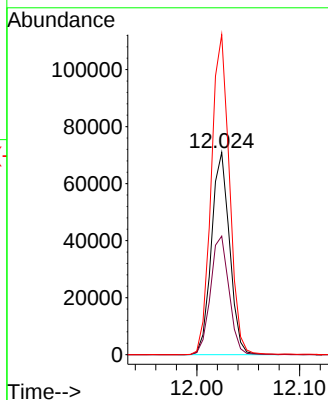
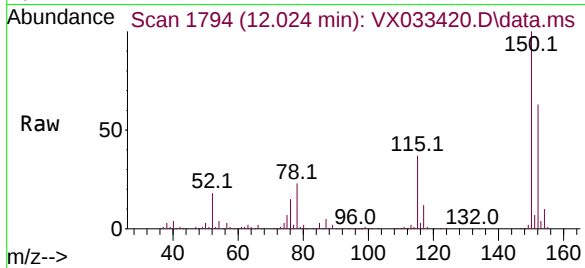




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033420.D
Acq: 14 Dec 2022 15:30

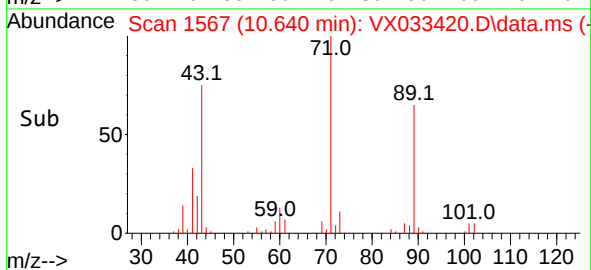
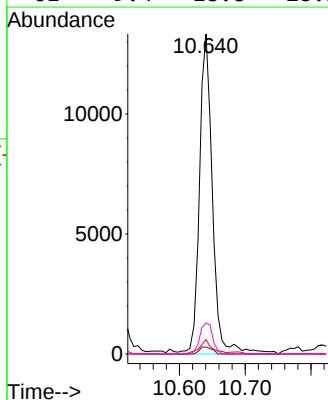
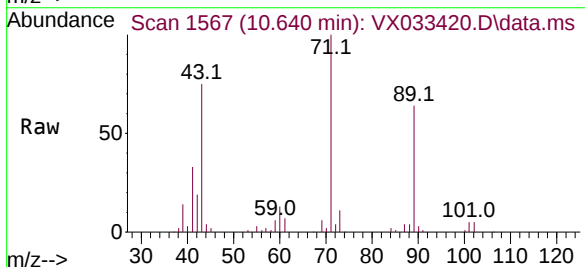
Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#01

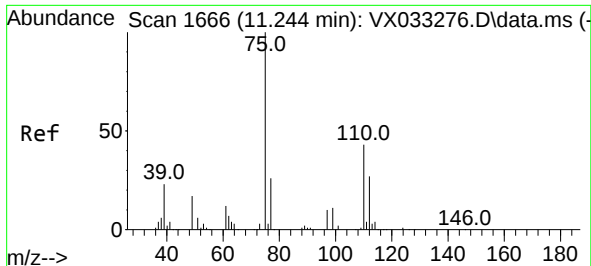
Tgt Ion:152 Resp: 86632
Ion Ratio Lower Upper
152 100
115 60.0 44.0 132.0
150 158.8 0.0 351.8



#74
N-ethyl acetate
Concen: 8.537 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX033420.D
Acq: 14 Dec 2022 15:30

Tgt Ion: 43 Resp: 18290
Ion Ratio Lower Upper
43 100
70 2.1 33.6 50.4#
55 4.3 19.4 29.2#
61 9.4 18.8 28.2#

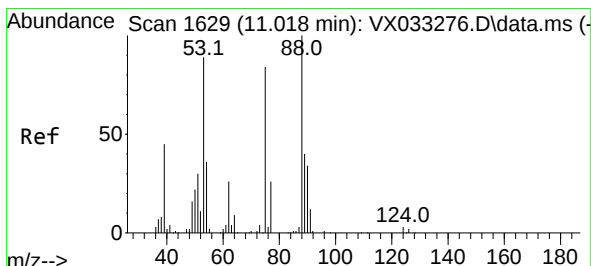
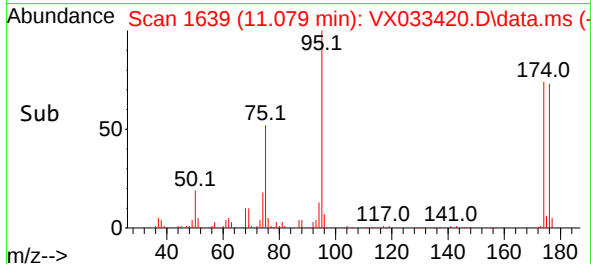
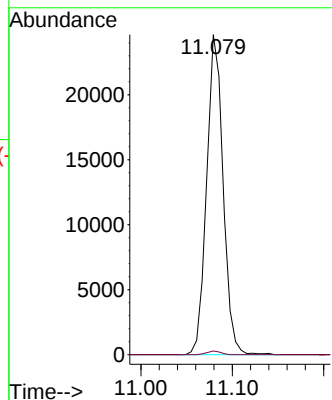
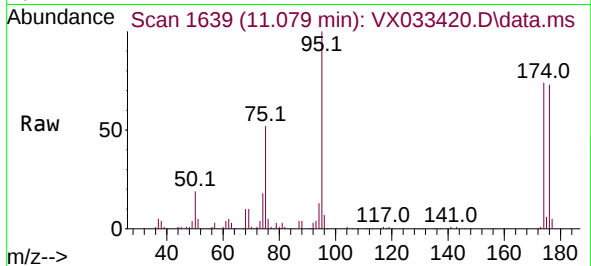




#76
1,2,3-Trichloropropane
Concen: 17.429 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033420.D
Acq: 14 Dec 2022 15:30

Instrument :
MSVOA_X
ClientSampleId :
PB149591ZHE#01

Tgt Ion: 75 Resp: 30720
Ion Ratio Lower Upper
75 100
77 0.9 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.217 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033420.D
Acq: 14 Dec 2022 15:30

Tgt Ion: 75 Resp: 30720
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

