

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121522\
 Data File : VX033442.D
 Acq On : 15 Dec 2022 15:13
 Operator : JC/MD
 Sample : PB149652TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149652TB

Quant Time: Dec 16 01:03:17 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)

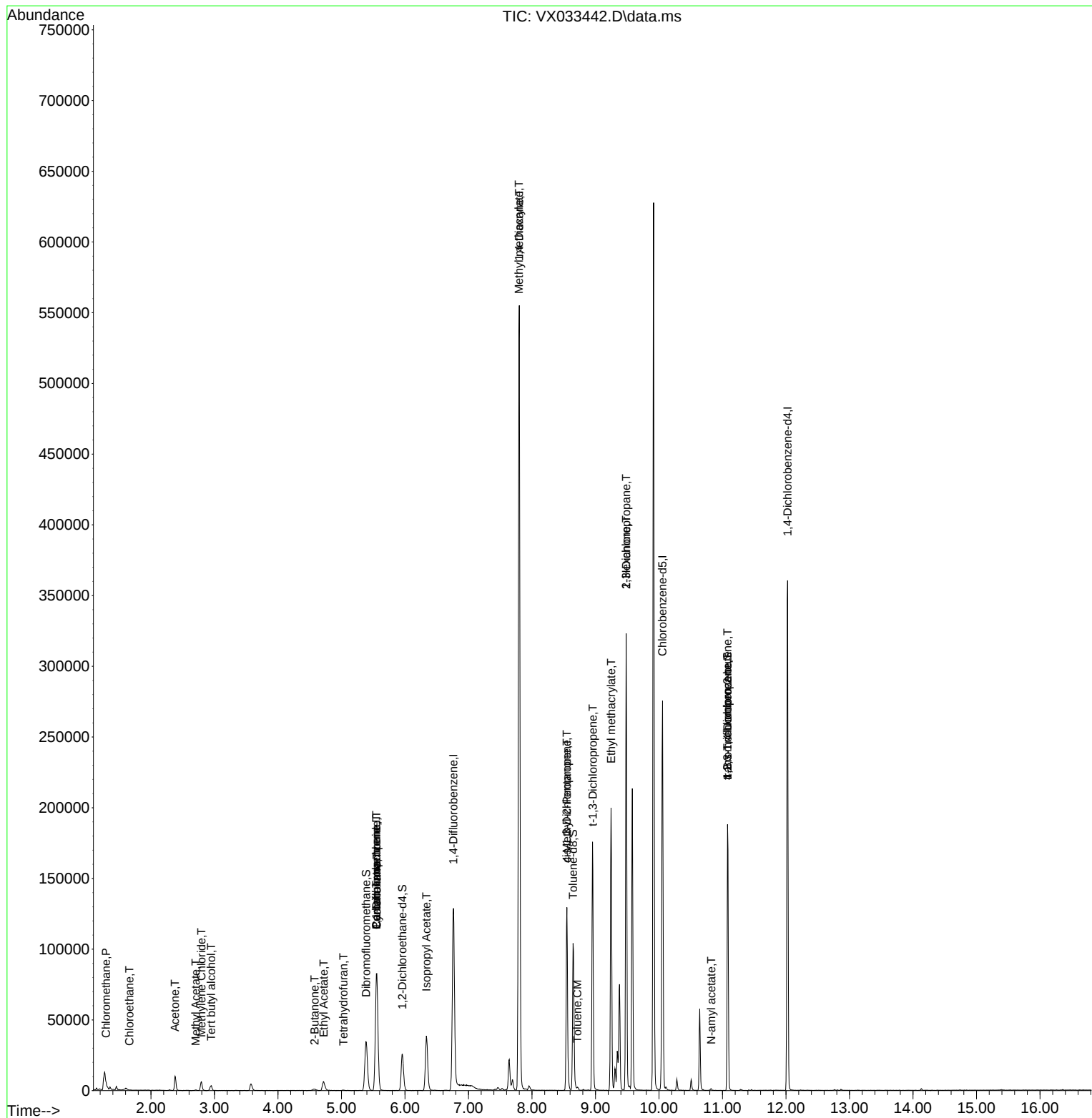
Internal Standards						
1) Pentafluorobenzene	5.550	168	84429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	135318	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	124143	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	24590	45.399	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 90.800%			
35) Dibromofluoromethane	5.385	113	30909	50.784	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.560%			
50) Toluene-d8	8.647	98	64277	50.483	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.960%			
62) 4-Bromofluorobenzene	11.079	95	46774	48.046	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.100%			
Target Compounds					Qvalue	
3) Chloromethane	1.295	50	189	0.277	ug/l #	43
6) Chloroethane	1.660	64	157	0.266	ug/l #	42
11) Tert butyl alcohol	2.947	59	2332	14.082	ug/l #	72
16) Acetone	2.380	43	11012	27.475	ug/l	90
18) Methyl Acetate	2.703	43	640	0.552	ug/l #	68
20) Methylene Chloride	2.794	84	3351	3.749	ug/l #	83
25) 2-Butanone	4.574	43	1075	1.869	ug/l	100
29) Tetrahydrofuran	5.032	42	245	0.657	ug/l #	39
31) Cyclohexane	5.556	56	1545	1.200	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	5733	4.831	ug/l #	49
37) Ethyl Acetate	4.721	43	11586	10.329	ug/l	98
38) Carbon Tetrachloride	5.550	117	7955	5.983	ug/l #	15
43) Isopropyl Acetate	6.336	43	50974	28.243	ug/l	99
48) Methyl methacrylate	7.793	41	48361	51.919	ug/l #	44
49) 1,4-Dioxane	7.800	88	67	3.154	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	42446	37.189	ug/l #	50
52) Toluene	8.714	92	750	0.335	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	394	2.771	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	20712	14.814	ug/l #	60
56) Ethyl methacrylate	9.244	69	532	0.402	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2827	1.871	ug/l #	42
59) 2-Hexanone	9.482	43	35962	42.756	ug/l #	51
74) N-amyl acetate	10.823	43	663	0.348	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	24247	15.481	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	24247	48.157	ug/l #	6

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

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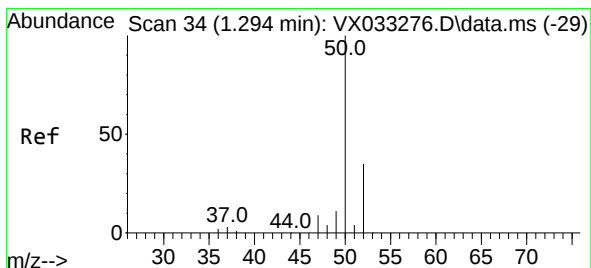
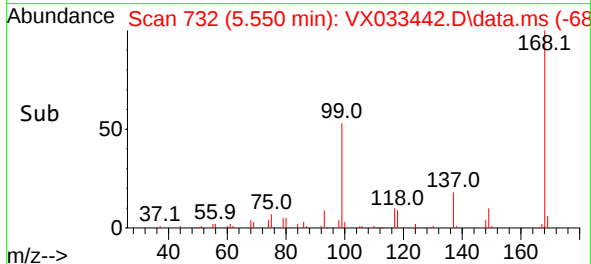
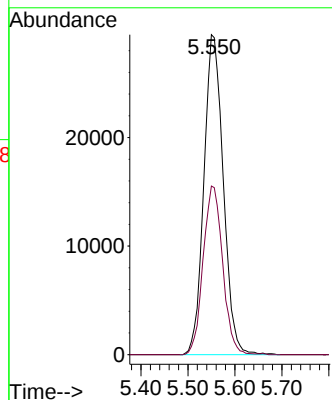
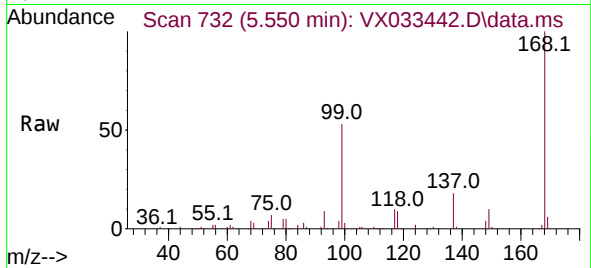




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX033442.D
Acq: 15 Dec 2022 15:13

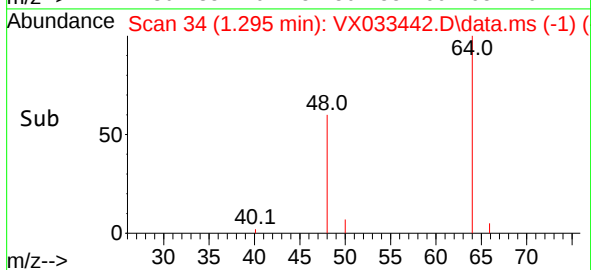
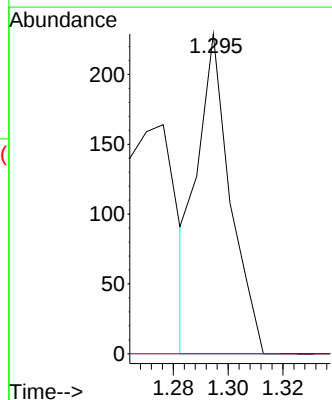
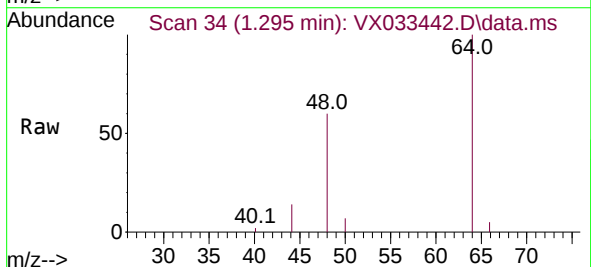
Instrument :
MSVOA_X
ClientSampleId :
PB149652TB

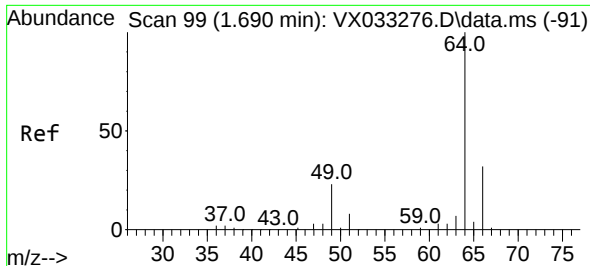
Tgt Ion:168 Resp: 84429
Ion Ratio Lower Upper
168 100
99 52.7 46.1 69.1



#3
Chloromethane
Concen: 0.277 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX033442.D
Acq: 15 Dec 2022 15:13

Tgt Ion: 50 Resp: 189
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#

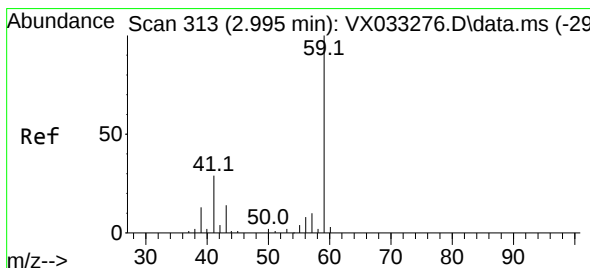
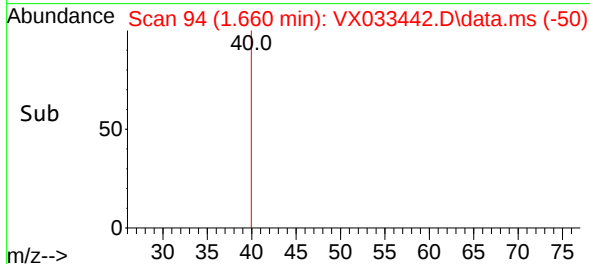
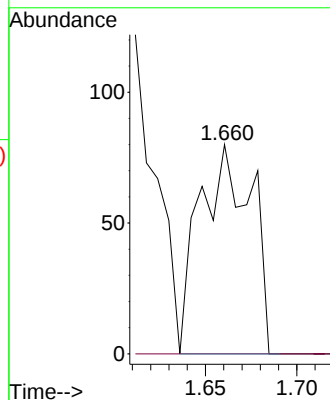
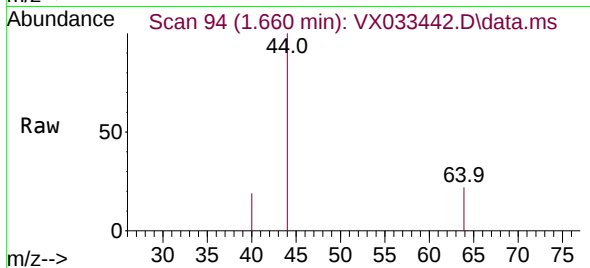




#6
Chloroethane
Concen: 0.266 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.030 min
Lab File: VX033442.D
Acq: 15 Dec 2022 15:13

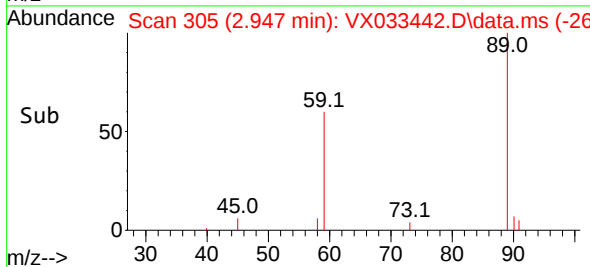
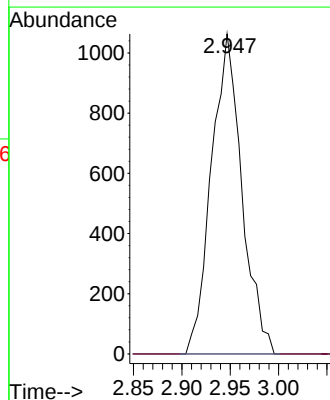
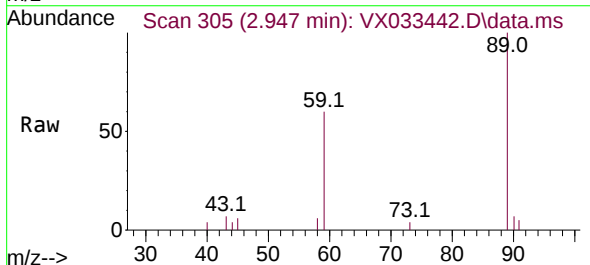
Instrument :
MSVOA_X
ClientSampleId :
PB149652TB

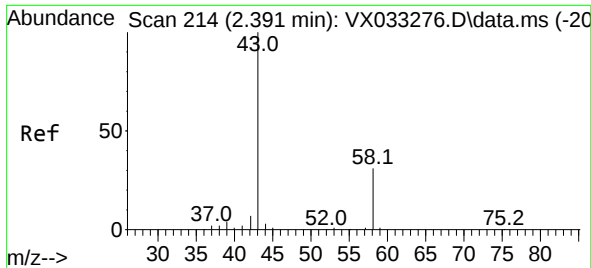
Tgt Ion: 64 Resp: 157
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#



#11
Tert butyl alcohol
Concen: 14.082 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.048 min
Lab File: VX033442.D
Acq: 15 Dec 2022 15:13

Tgt Ion: 59 Resp: 2332
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

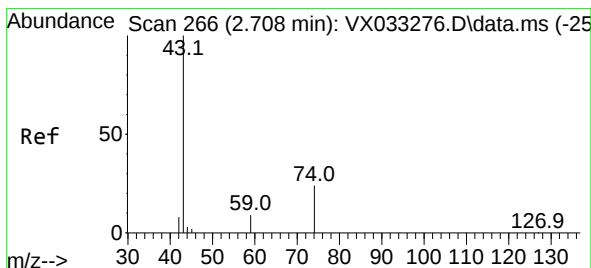
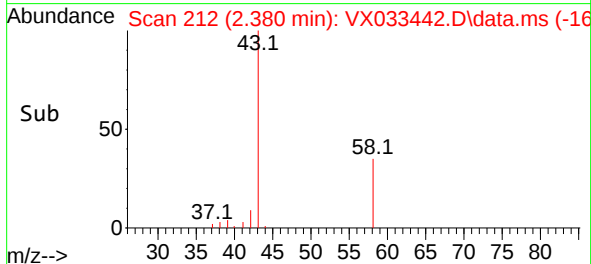
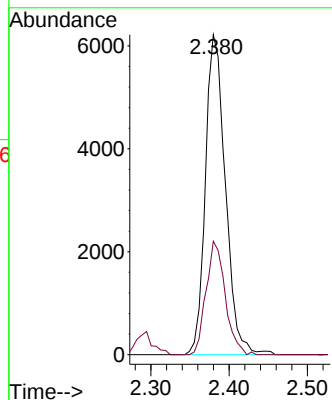
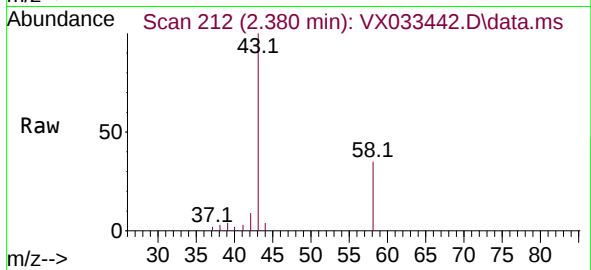




#16
Acetone
Concen: 27.475 ug/l
RT: 2.380 min Scan# 214
Delta R.T. -0.012 min
Lab File: VX033442.D
Acq: 15 Dec 2022 15:13

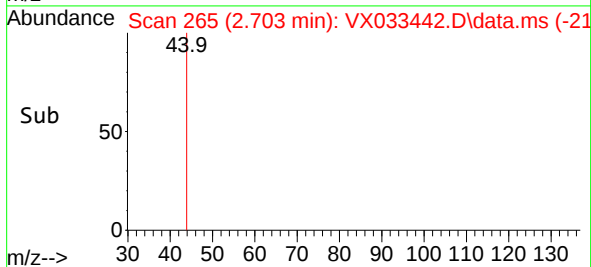
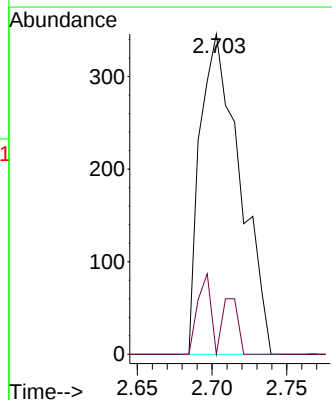
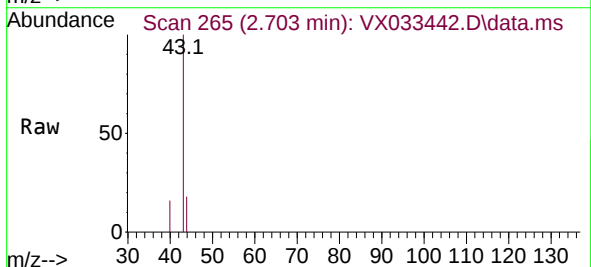
Instrument :
MSVOA_X
ClientSampleId :
PB149652TB

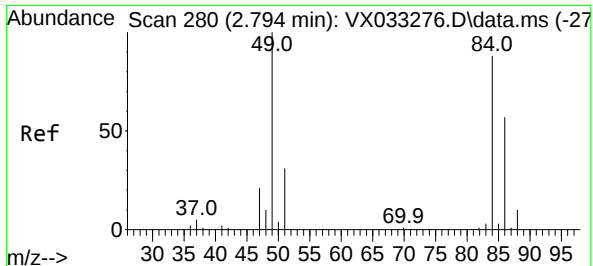
Tgt Ion: 43 Resp: 11012
Ion Ratio Lower Upper
43 100
58 35.5 23.8 35.8



#18
Methyl Acetate
Concen: 0.552 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX033442.D
Acq: 15 Dec 2022 15:13

Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
74 8.3 19.4 29.0#

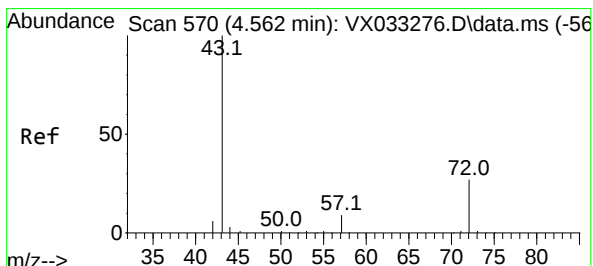
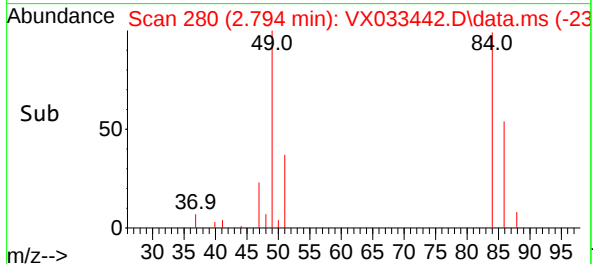
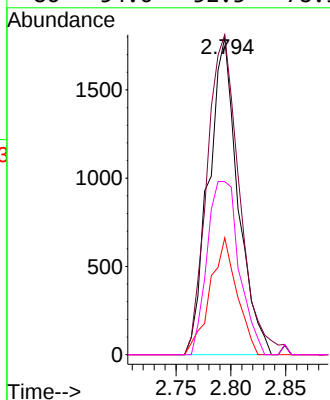
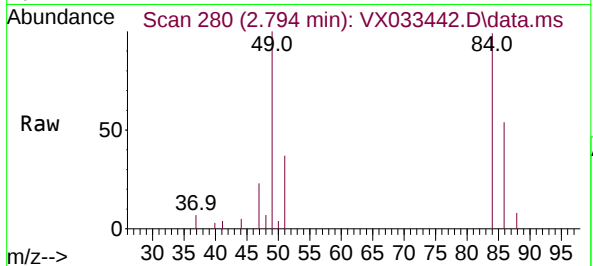




#20
Methylene Chloride
Concen: 3.749 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033442.D
Acq: 15 Dec 2022 15:13

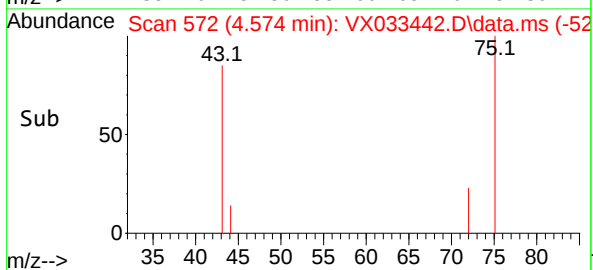
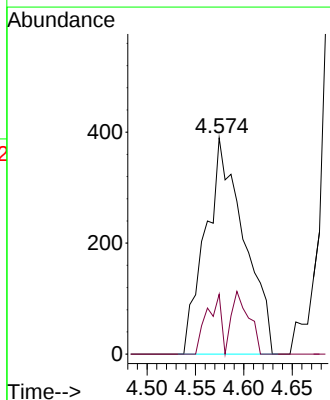
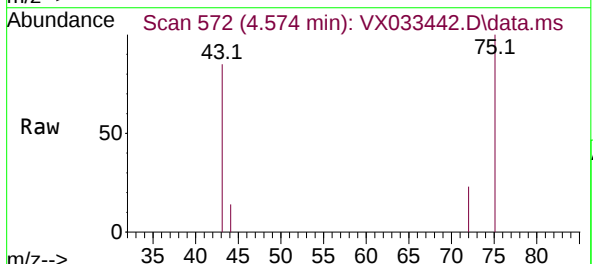
Instrument :
MSVOA_X
ClientSampleId :
PB149652TB

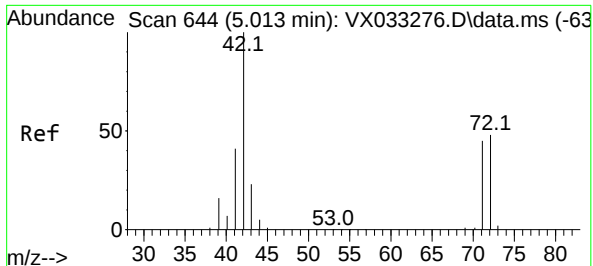
Tgt Ion:	84	Resp:	3351
Ion	Ratio	Lower	Upper
84	100		
49	100.9	101.0	151.6#
51	36.9	31.1	46.7
86	54.6	52.3	78.5



#25
2-Butanone
Concen: 1.869 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.013 min
Lab File: VX033442.D
Acq: 15 Dec 2022 15:13

Tgt Ion:	43	Resp:	1075
Ion	Ratio	Lower	Upper
43	100		
72	27.7	22.2	33.2





#29

Tetrahydrofuran

Concen: 0.657 ug/l

RT: 5.032 min Scan# 644

Delta R.T. 0.019 min

Lab File: VX033442.D

Acq: 15 Dec 2022 15:13

Instrument :

MSVOA_X

ClientSampleId :

PB149652TB

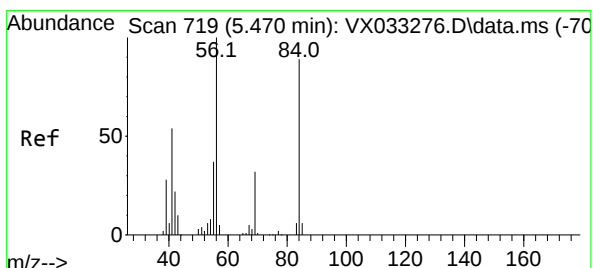
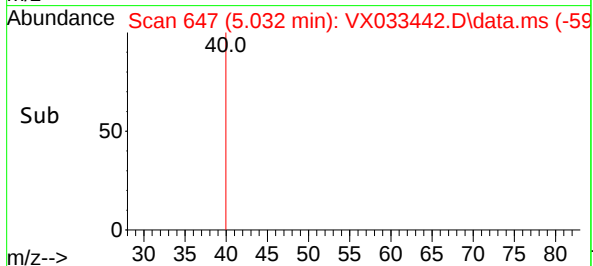
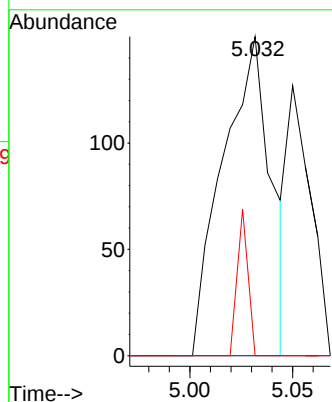
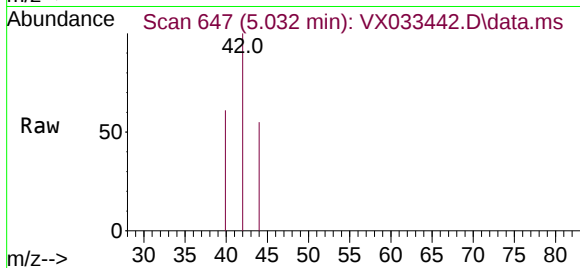
Tgt Ion: 42 Resp: 245

Ion Ratio Lower Upper

42 100

72 0.0 37.6 56.4#

71 10.2 34.7 52.1#



#31

Cyclohexane

Concen: 1.200 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX033442.D

Acq: 15 Dec 2022 15:13

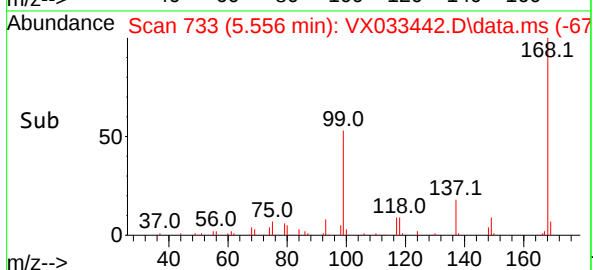
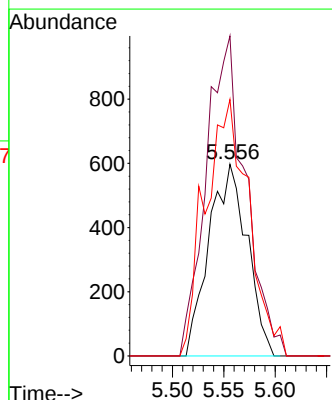
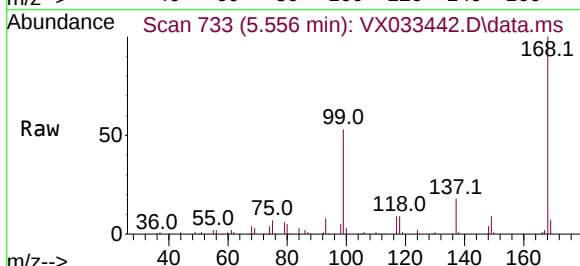
Tgt Ion: 56 Resp: 1545

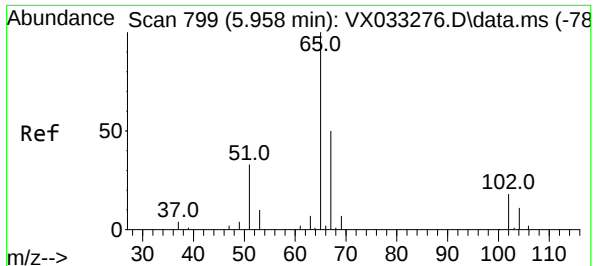
Ion Ratio Lower Upper

56 100

69 167.0 24.1 36.1#

84 133.8 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 45.399 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033442.D

Acq: 15 Dec 2022 15:13

Instrument :

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ClientSampleId :

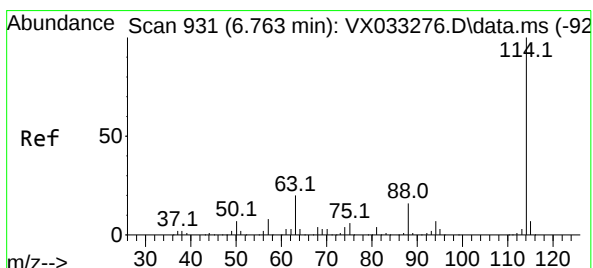
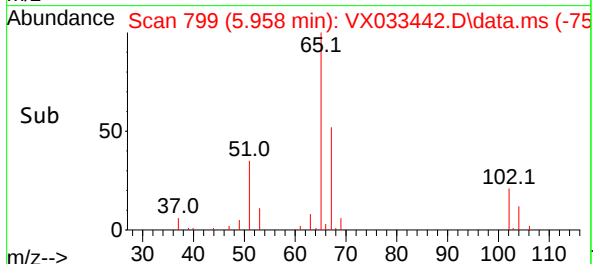
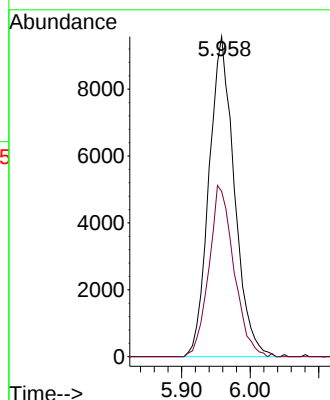
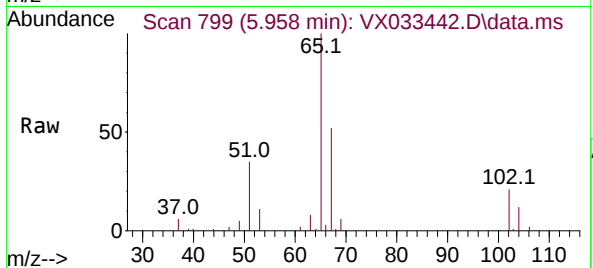
PB149652TB

Tgt Ion: 65 Resp: 24590

Ion Ratio Lower Upper

65 100

67 52.8 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: VX033442.D

Acq: 15 Dec 2022 15:13

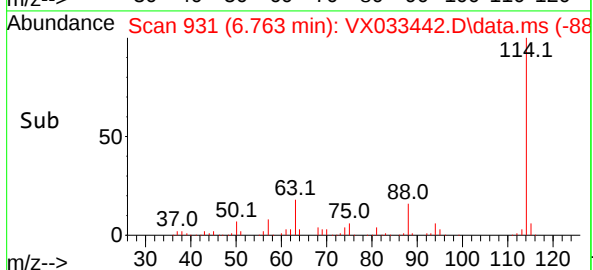
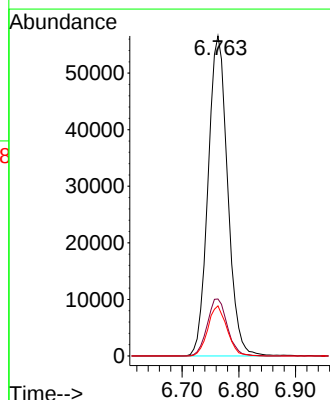
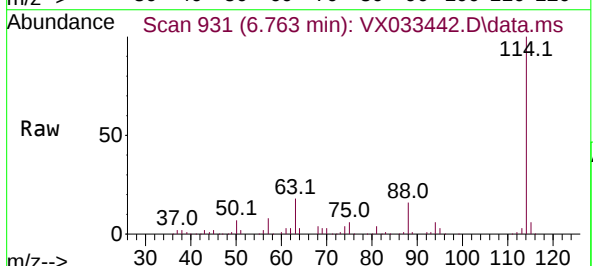
Tgt Ion: 114 Resp: 135318

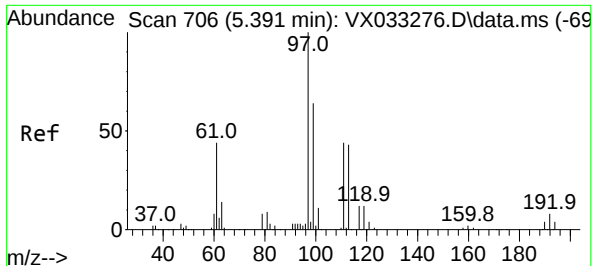
Ion Ratio Lower Upper

114 100

63 17.8 0.0 41.6

88 15.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.784 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX033442.D

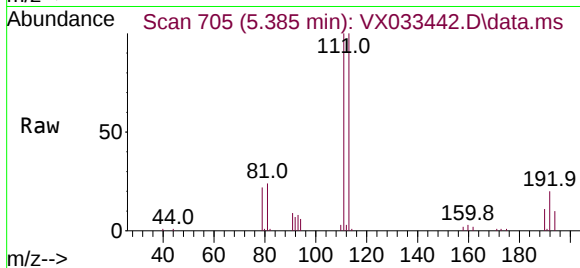
Acq: 15 Dec 2022 15:13

Instrument :

MSVOA_X

ClientSampleId :

PB149652TB



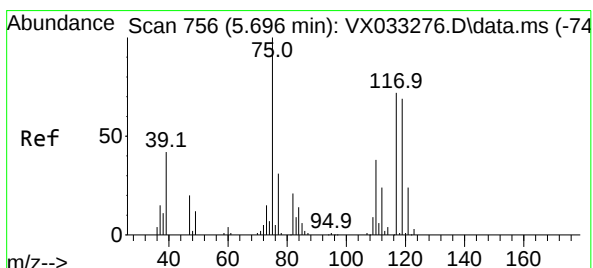
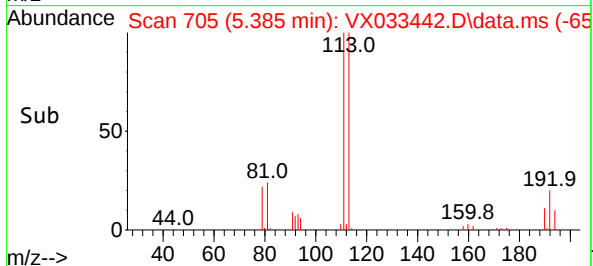
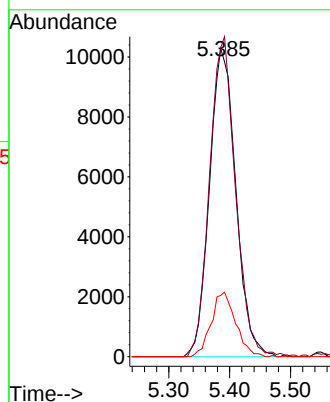
Tgt Ion:113 Resp: 30909

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

192 19.4 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.831 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX033442.D

Acq: 15 Dec 2022 15:13

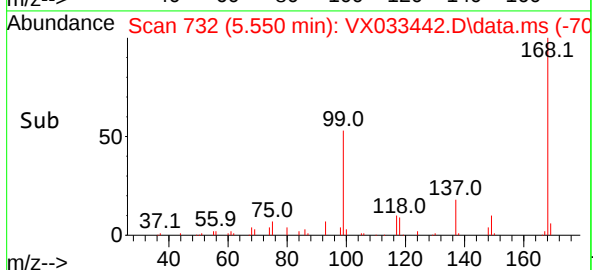
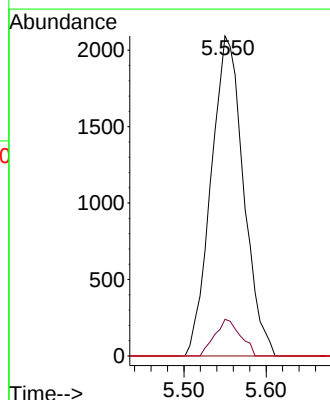
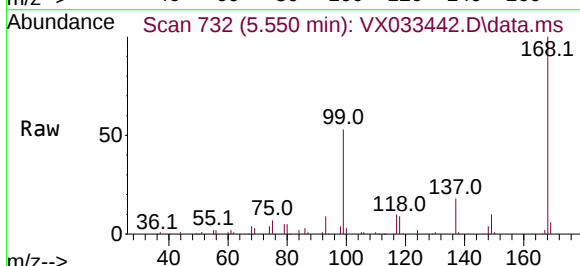
Tgt Ion: 75 Resp: 5733

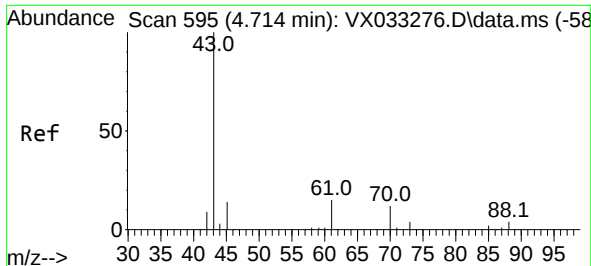
Ion Ratio Lower Upper

75 100

110 9.1 18.4 55.2#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 10.329 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.007 min

Lab File: VX033442.D

Acq: 15 Dec 2022 15:13

Instrument :

MSVOA_X

ClientSampleId :

PB149652TB

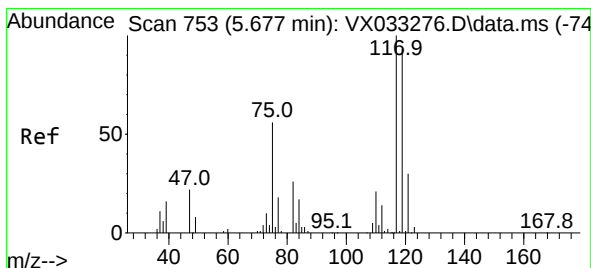
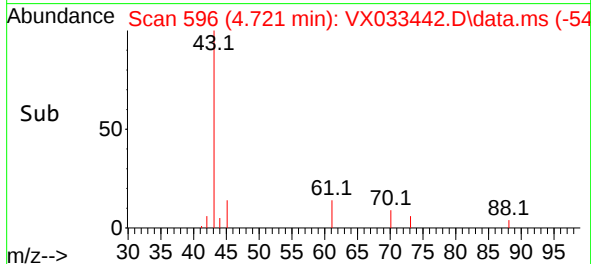
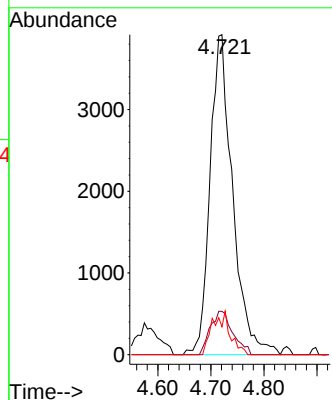
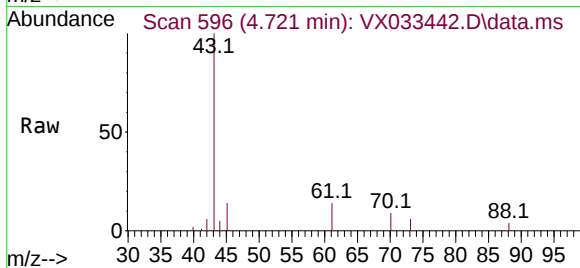
Tgt Ion: 43 Resp: 11586

Ion Ratio Lower Upper

43 100

61 13.6 11.5 17.3

70 10.7 9.1 13.7



#38

Carbon Tetrachloride

Concen: 5.983 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX033442.D

Acq: 15 Dec 2022 15:13

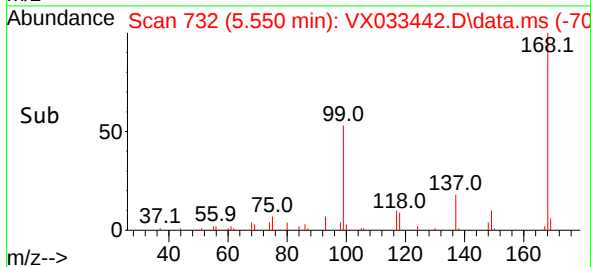
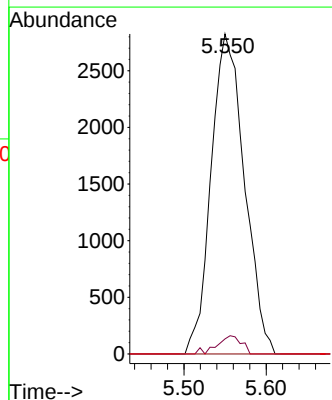
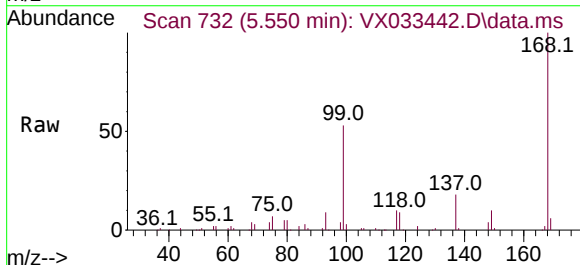
Tgt Ion: 117 Resp: 7955

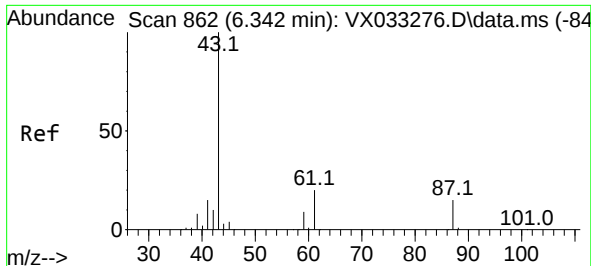
Ion Ratio Lower Upper

117 100

119 4.7 77.2 115.8#

121 0.0 25.8 38.6#

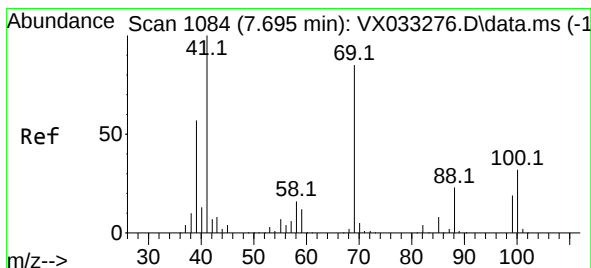
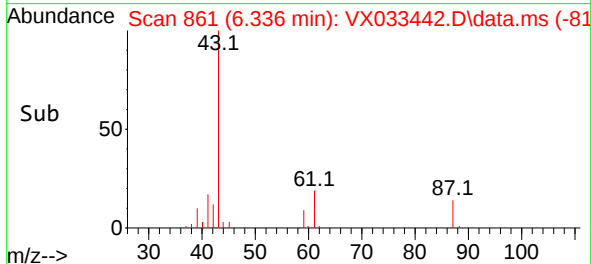
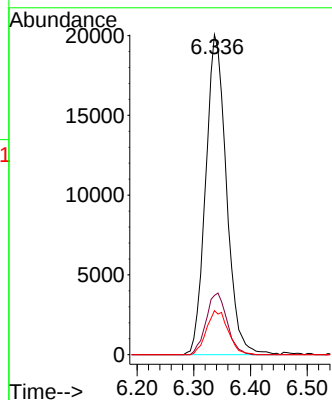
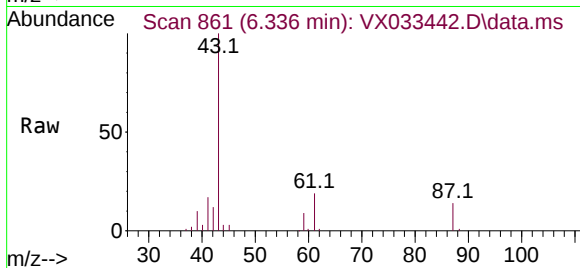




#43
Isopropyl Acetate
Concen: 28.243 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX033442.D
Acq: 15 Dec 2022 15:13

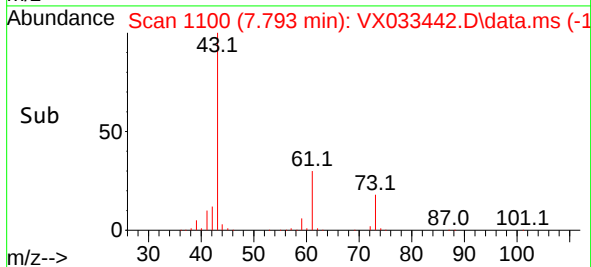
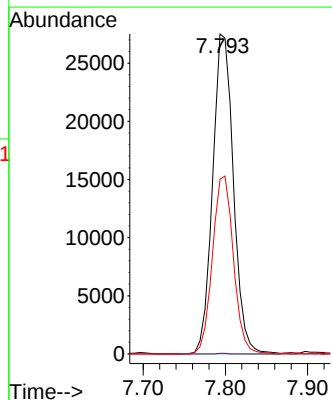
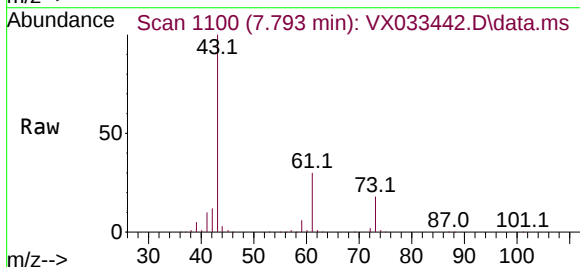
Instrument :
MSVOA_X
ClientSampleId :
PB149652TB

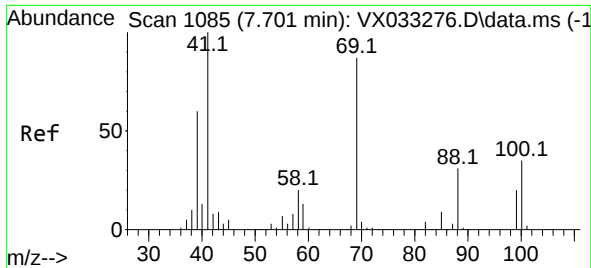
Tgt Ion: 43 Resp: 50974
Ion Ratio Lower Upper
43 100
61 19.4 15.4 23.0
87 14.3 10.8 16.2



#48
Methyl methacrylate
Concen: 51.919 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.098 min
Lab File: VX033442.D
Acq: 15 Dec 2022 15:13

Tgt Ion: 41 Resp: 48361
Ion Ratio Lower Upper
41 100
69 0.1 65.1 97.7#
39 56.1 51.9 77.9





#49

1,4-Dioxane

Concen: 3.154 ug/l

RT: 7.800 min Scan# 1101

Delta R.T. 0.098 min

Lab File: VX033442.D

Acq: 15 Dec 2022 15:13

Instrument :

MSVOA_X

ClientSampleId :

PB149652TB

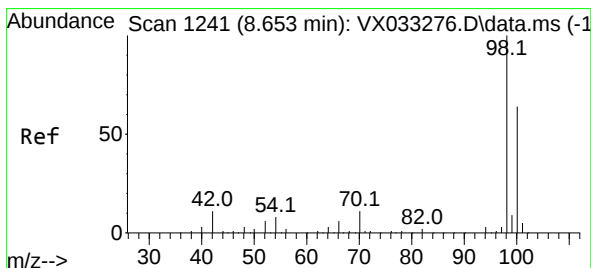
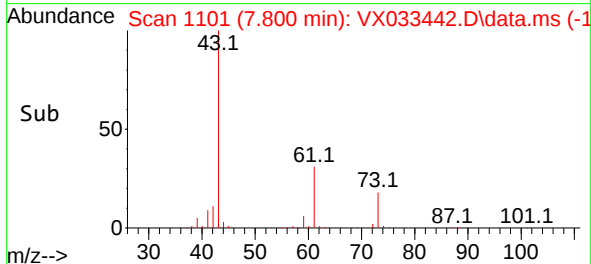
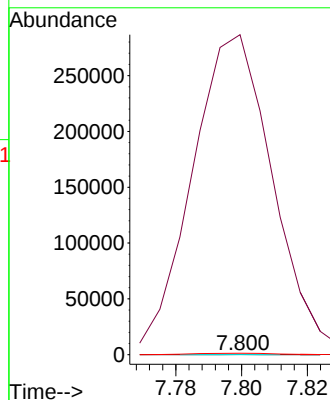
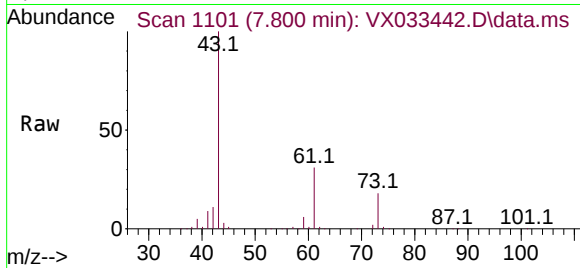
Tgt Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 741319.4 26.6 39.8#

58 3382.1 51.7 77.5#



#50

Toluene-d8

Concen: 50.483 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.006 min

Lab File: VX033442.D

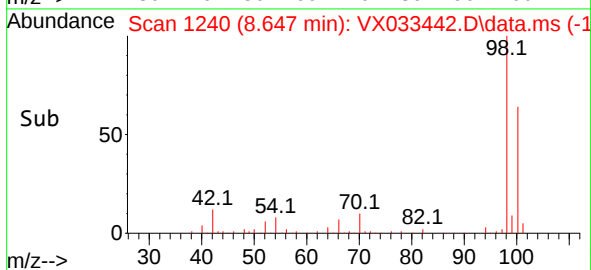
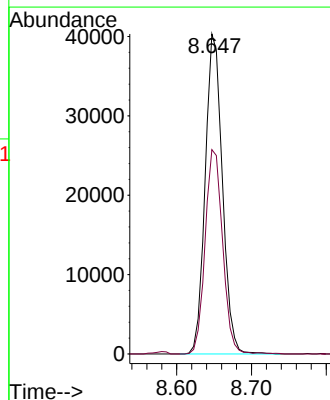
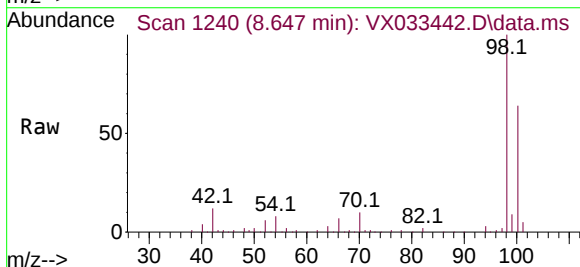
Acq: 15 Dec 2022 15:13

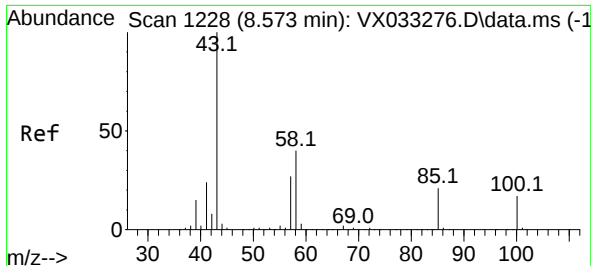
Tgt Ion: 98 Resp: 64277

Ion Ratio Lower Upper

98 100

100 65.2 50.9 76.3





#51

4-Methyl-2-Pentanone

Concen: 37.189 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX033442.D

Acq: 15 Dec 2022 15:13

Instrument :

MSVOA_X

ClientSampleId :

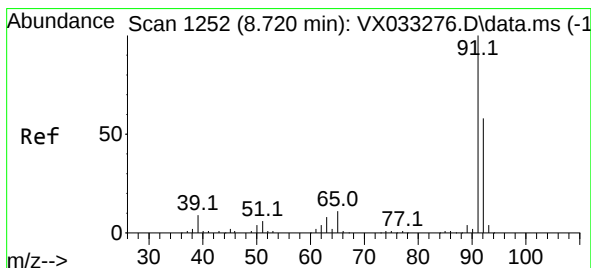
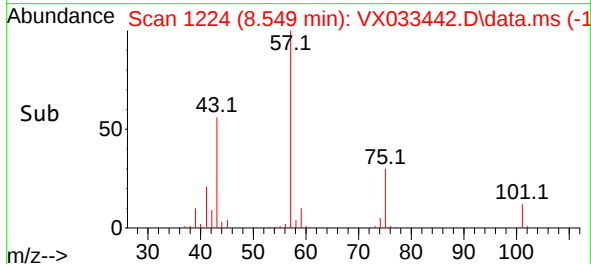
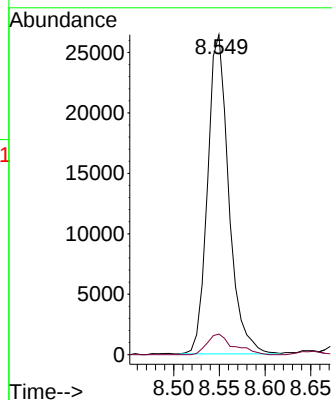
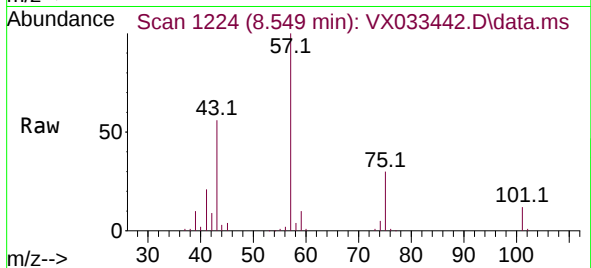
PB149652TB

Tgt Ion: 43 Resp: 42446

Ion Ratio Lower Upper

43 100

58 8.0 30.9 46.3#



#52

Toluene

Concen: 0.335 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.006 min

Lab File: VX033442.D

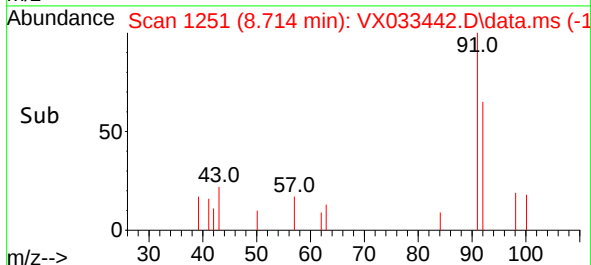
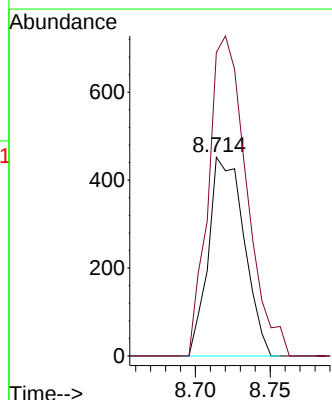
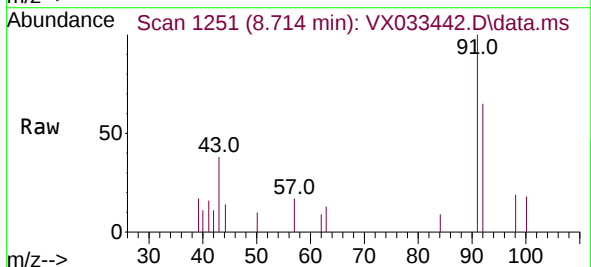
Acq: 15 Dec 2022 15:13

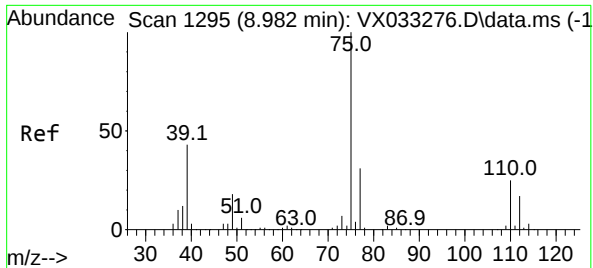
Tgt Ion: 92 Resp: 750

Ion Ratio Lower Upper

92 100

91 172.1 138.3 207.5

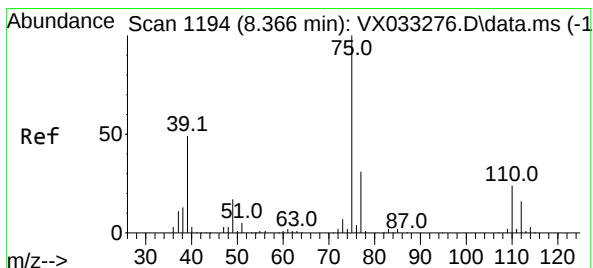
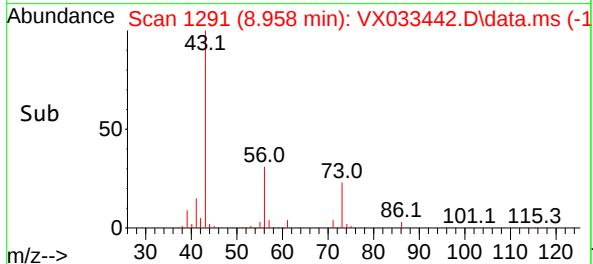
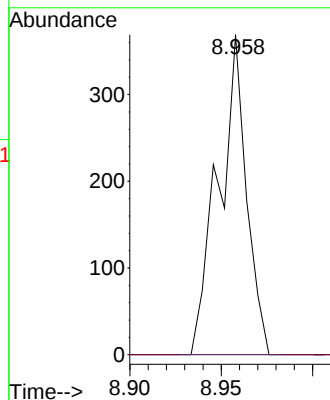
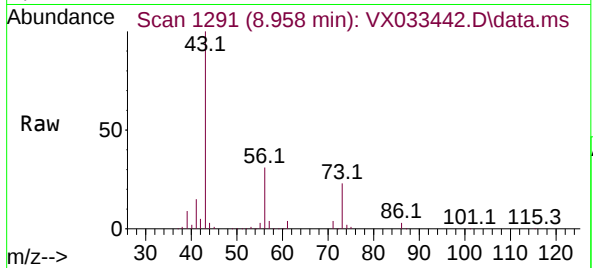




#53
 t-1,3-Dichloropropene
 Concen: 2.771 ug/l
 RT: 8.958 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX033442.D
 Acq: 15 Dec 2022 15:13

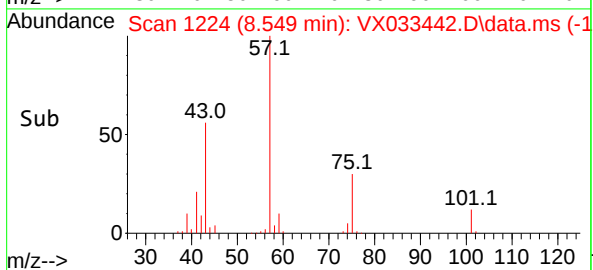
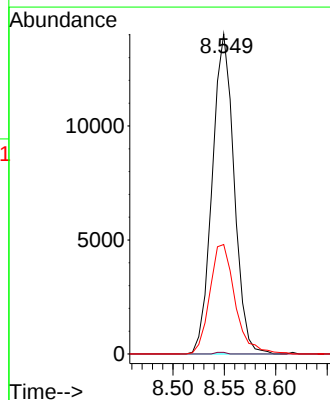
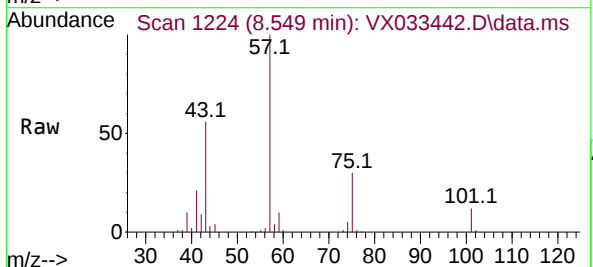
Instrument :
 MSVOA_X
 ClientSampleId :
 PB149652TB

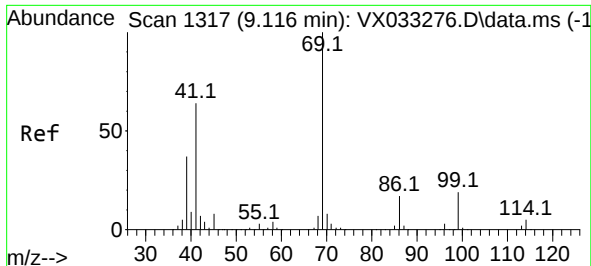
Tgt Ion: 75 Resp: 394
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#



#54
 cis-1,3-Dichloropropene
 Concen: 14.814 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX033442.D
 Acq: 15 Dec 2022 15:13

Tgt Ion: 75 Resp: 20712
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.1 37.7#
 39 34.2 45.5 68.3#

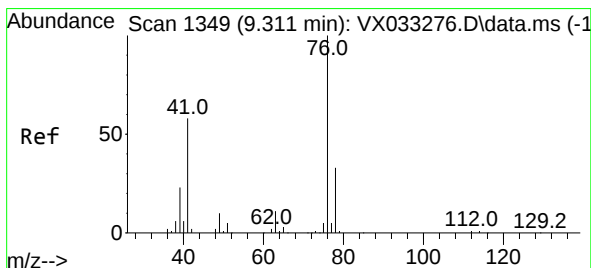
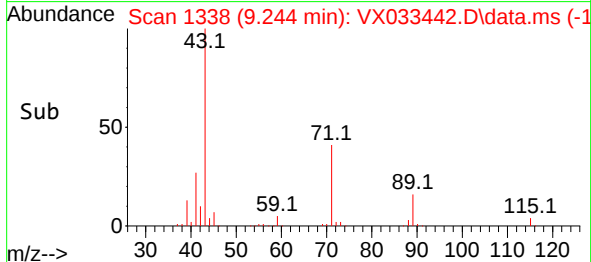
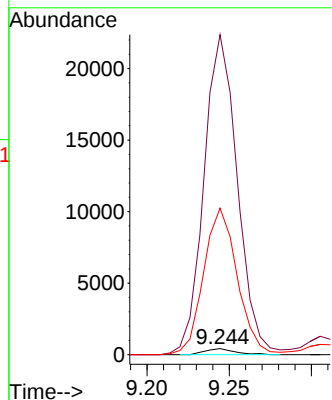
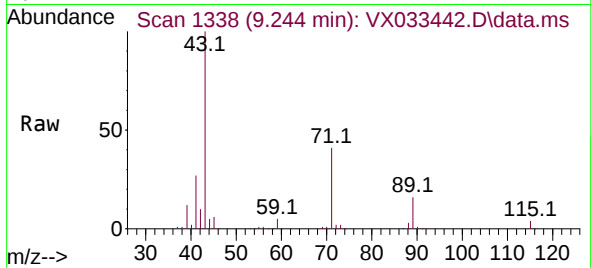




#56
Ethyl methacrylate
Concen: 0.402 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.129 min
Lab File: VX033442.D
Acq: 15 Dec 2022 15:13

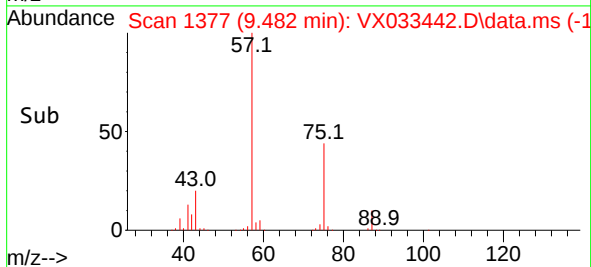
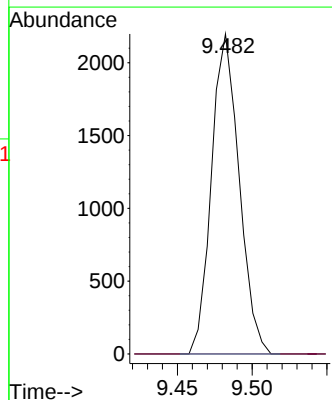
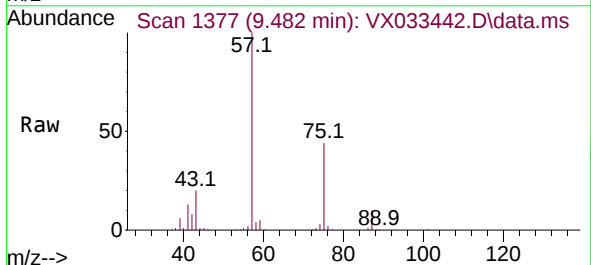
Instrument :
MSVOA_X
ClientSampleId :
PB149652TB

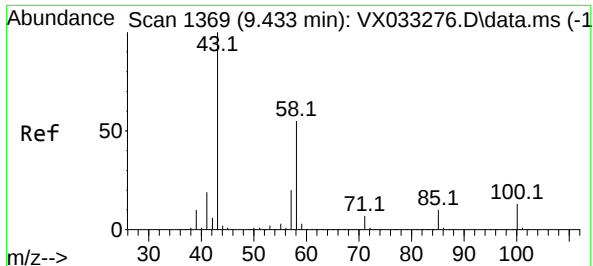
Tgt Ion: 69 Resp: 532
Ion Ratio Lower Upper
69 100
41 5950.6 54.3 81.5#
39 2738.3 35.2 52.8#



#57
1,3-Dichloropropane
Concen: 1.871 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX033442.D
Acq: 15 Dec 2022 15:13

Tgt Ion: 76 Resp: 2827
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 42.756 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX033442.D

Acq: 15 Dec 2022 15:13

Instrument :

MSVOA_X

ClientSampleId :

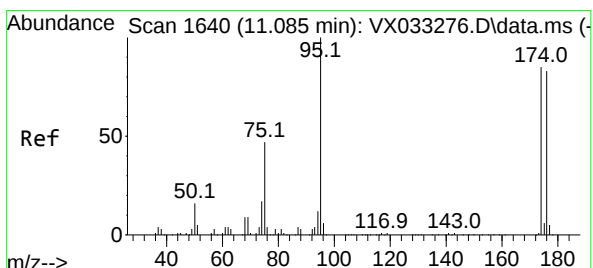
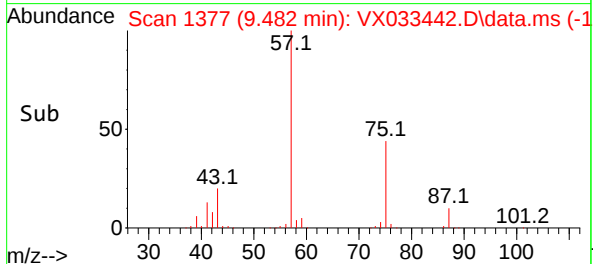
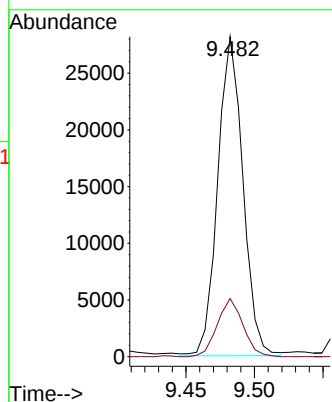
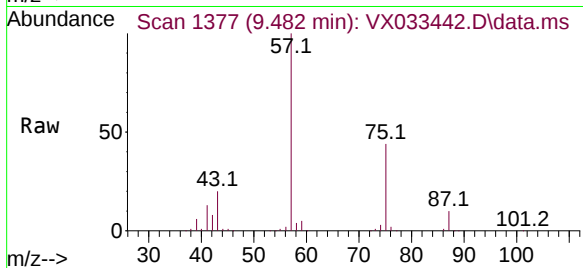
PB149652TB

Tgt Ion: 43 Resp: 35962

Ion Ratio Lower Upper

43 100

58 18.5 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 48.046 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX033442.D

Acq: 15 Dec 2022 15:13

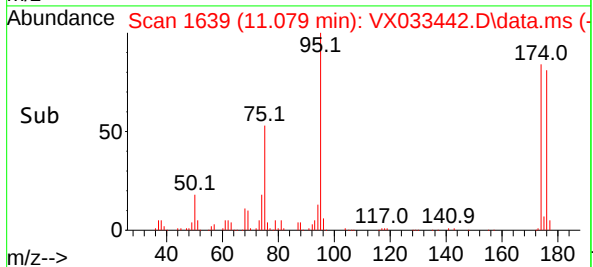
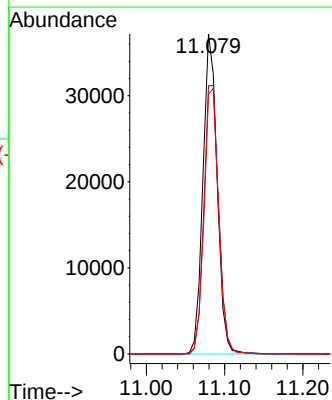
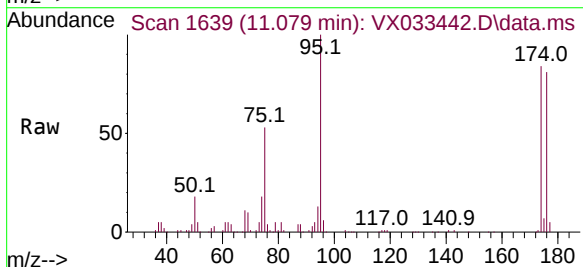
Tgt Ion: 95 Resp: 46774

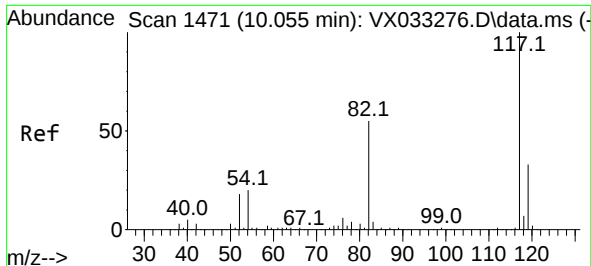
Ion Ratio Lower Upper

95 100

174 87.9 0.0 164.0

176 85.6 0.0 154.4

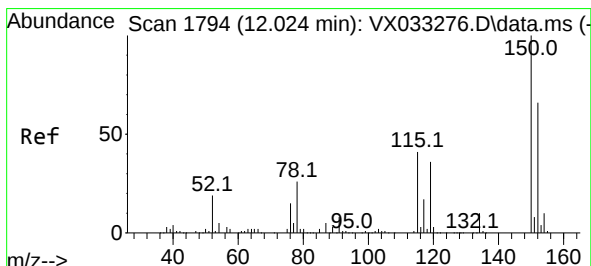
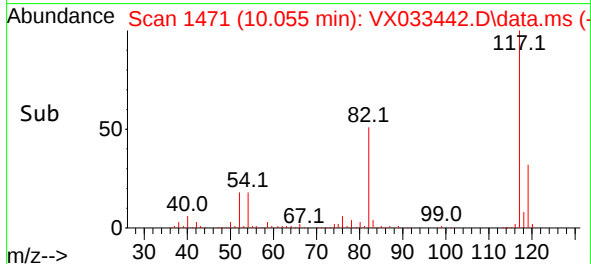
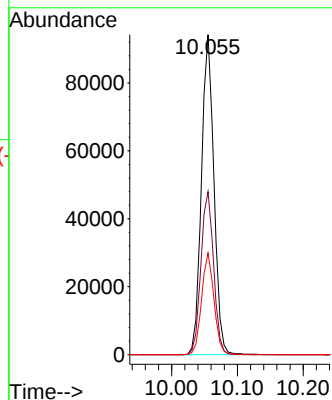
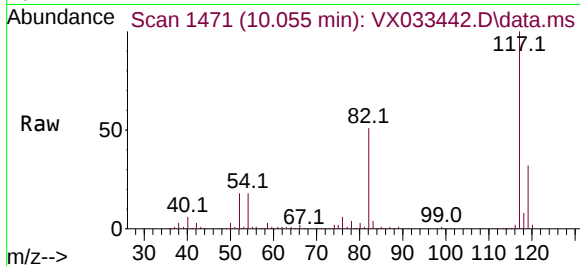




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.001 min
Lab File: VX033442.D
Acq: 15 Dec 2022 15:13

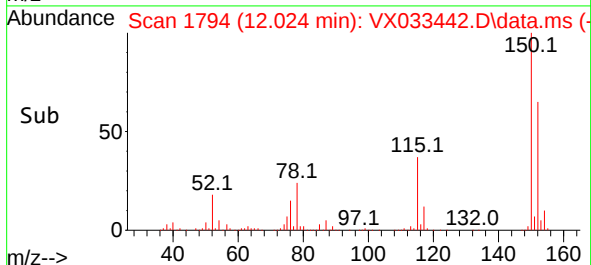
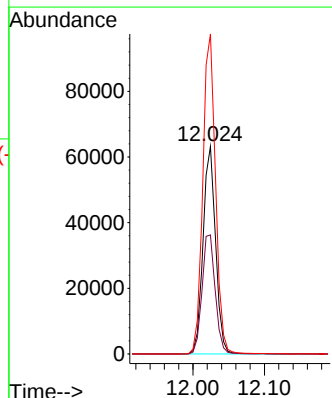
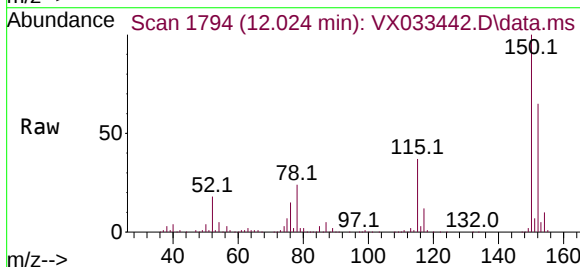
Instrument :
MSVOA_X
ClientSampleId :
PB149652TB

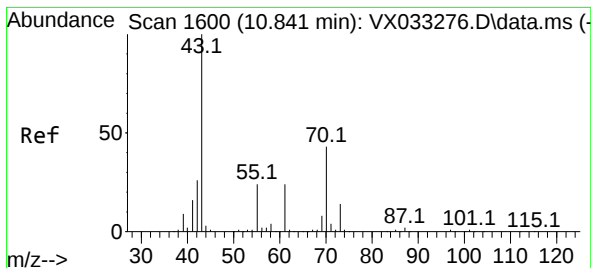
Tgt Ion:117 Resp: 124143
Ion Ratio Lower Upper
117 100
82 51.0 44.3 66.5
119 31.7 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033442.D
Acq: 15 Dec 2022 15:13

Tgt Ion:152 Resp: 76983
Ion Ratio Lower Upper
152 100
115 60.3 44.0 132.0
150 156.4 0.0 351.8





#74

N-amy1 acetate

Concen: 0.348 ug/l

RT: 10.823 min Scan# 1

Delta R.T. -0.018 min

Lab File: VX033442.D

Acq: 15 Dec 2022 15:13

Instrument :

MSVOA_X

ClientSampleId :

PB149652TB

Tgt Ion: 43 Resp: 663

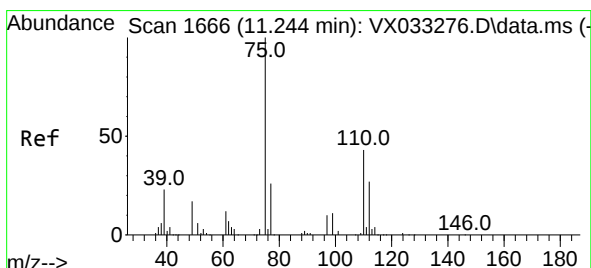
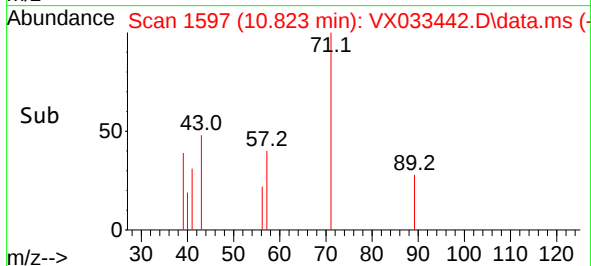
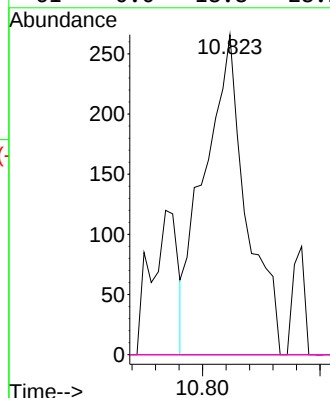
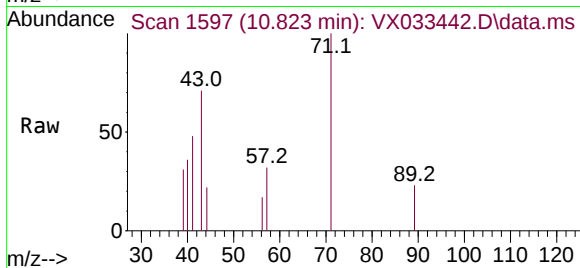
Ion Ratio Lower Upper

43 100

70 0.0 33.6 50.4#

55 0.0 19.4 29.2#

61 0.0 18.8 28.2#



#76

1,2,3-Trichloropropane

Concen: 15.481 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.164 min

Lab File: VX033442.D

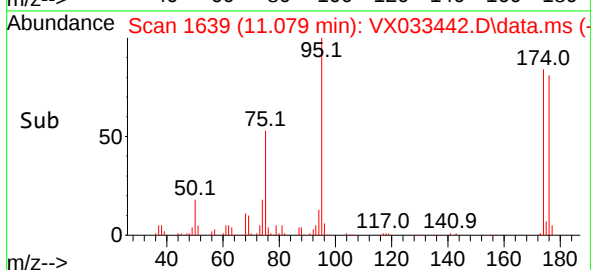
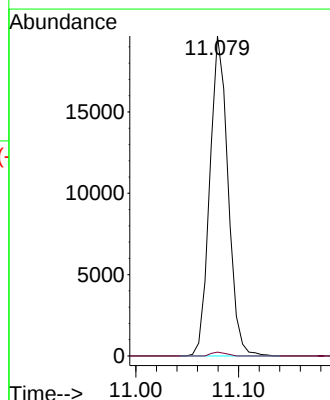
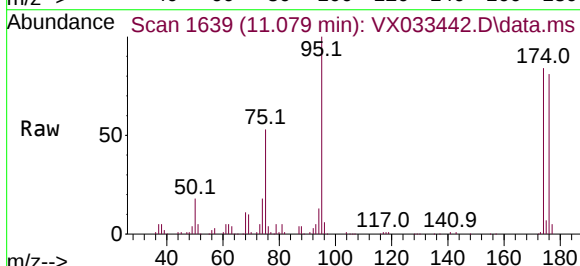
Acq: 15 Dec 2022 15:13

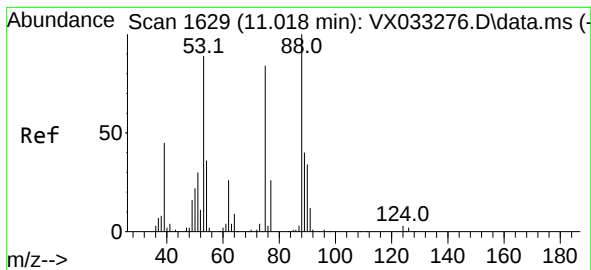
Tgt Ion: 75 Resp: 24247

Ion Ratio Lower Upper

75 100

77 1.0 20.0 60.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.157 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033442.D
 Acq: 15 Dec 2022 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149652TB

Tgt Ion: 75 Resp: 24247
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.9 130.3#
 89 0.1 38.3 57.5#

