

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121622\
 Data File : VX033464.D
 Acq On : 16 Dec 2022 16:37
 Operator : JC/MD
 Sample : PB149678TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149678TB

Quant Time: Dec 17 08:10:59 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)

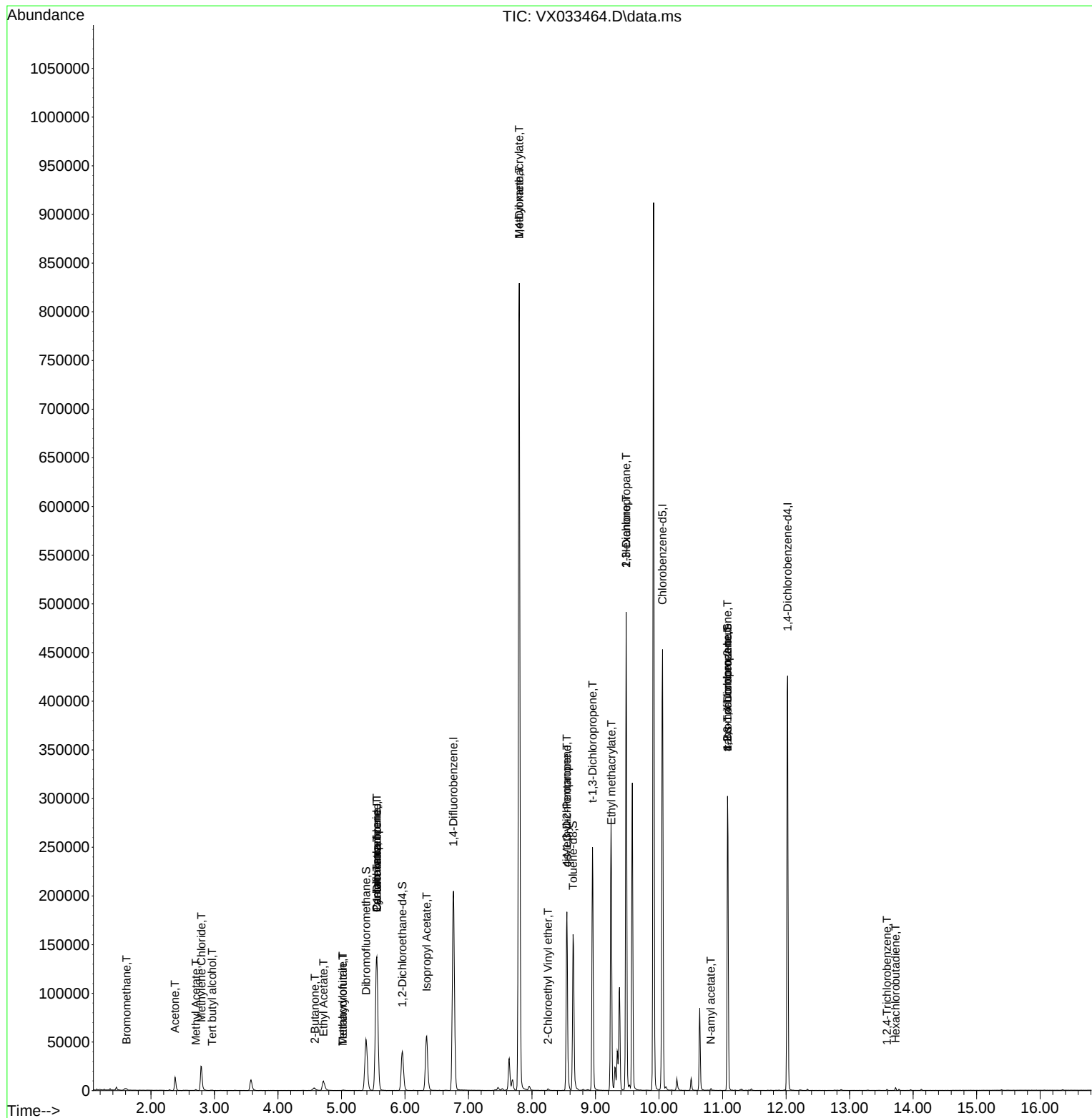
Internal Standards						
1) Pentafluorobenzene	5.556	168	135083	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	215021	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208818	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	93819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	41234	47.581	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.160%		
35) Dibromofluoromethane	5.385	113	45695	47.248	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.500%		
50) Toluene-d8	8.647	98	97995	48.436	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.880%		
62) 4-Bromofluorobenzene	11.079	95	79170	51.178	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	102.360%		
Target Compounds					Qvalue	
5) Bromomethane	1.618	94	201	0.220	ug/l #	45
11) Tert butyl alcohol	2.965	59	531	2.004	ug/l #	72
16) Acetone	2.380	43	13881	21.646	ug/l	92
18) Methyl Acetate	2.709	43	1097	0.591	ug/l	91
20) Methylene Chloride	2.794	84	12918	9.033	ug/l #	90
25) 2-Butanone	4.580	43	2018	2.192	ug/l #	80
29) Tetrahydrofuran	5.019	42	305	0.511	ug/l #	83
31) Cyclohexane	5.556	56	2453	1.191	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9831	5.214	ug/l #	49
37) Ethyl Acetate	4.715	43	17088	9.587	ug/l	99
38) Carbon Tetrachloride	5.556	117	13383	6.335	ug/l #	16
41) Methacrylonitrile	5.019	41	197	0.201	ug/l #	25
43) Isopropyl Acetate	6.342	43	75077	26.179	ug/l	98
48) Methyl methacrylate	7.799	41	72436	48.939	ug/l #	42
49) 1,4-Dioxane	7.799	88	49	1.452	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	61692	34.016	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	603	2.761	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	29905	13.460	ug/l #	57
56) Ethyl methacrylate	9.250	69	594	0.282	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4209	1.754	ug/l #	42
58) 2-Chloroethyl Vinyl ether	8.250	63	855	0.888	ug/l	92
59) 2-Hexanone	9.482	43	54317	40.641	ug/l #	53
74) N-amyl acetate	10.817	43	801	0.345	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	39777	20.839	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	39777	64.824	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.591	180	388	0.207	ug/l	96
94) Hexachlorobutadiene	13.725	225	443	0.589	ug/l	78

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121622\
Data File : VX033464.D
Acq On : 16 Dec 2022 16:37
Operator : JC/MD
Sample : PB149678TB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB149678TB

Quant Time: Dec 17 08:10:59 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

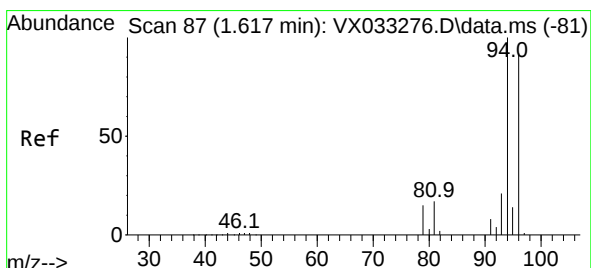
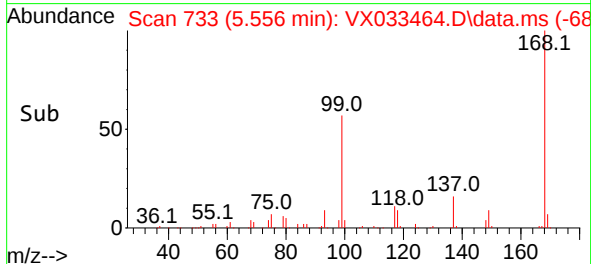
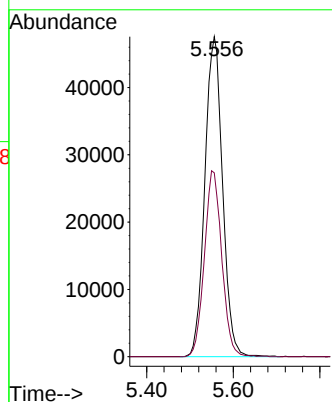
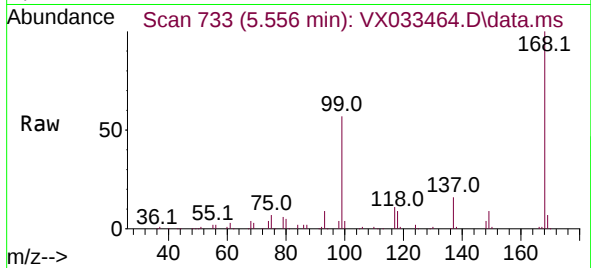




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

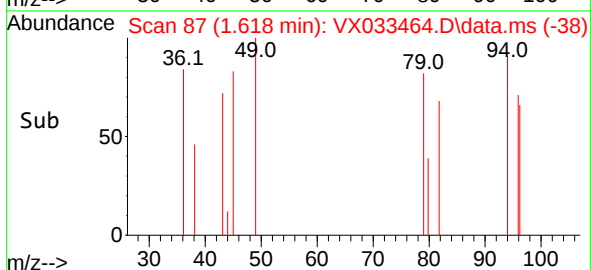
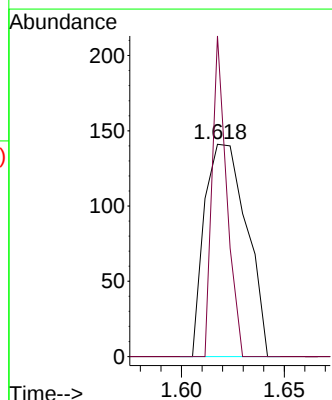
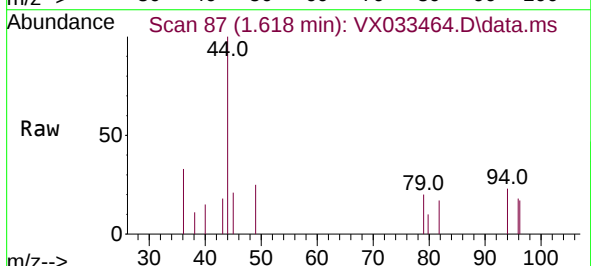
Instrument :
MSVOA_X
ClientSampleId :
PB149678TB

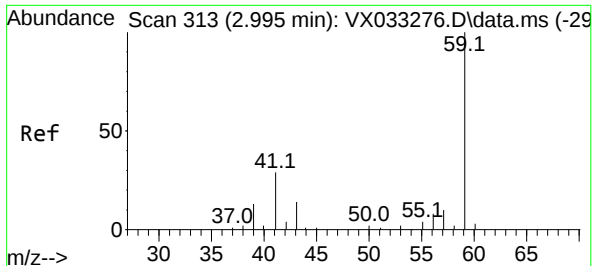
Tgt Ion:168 Resp: 135083
Ion Ratio Lower Upper
168 100
99 57.5 46.1 69.1



#5
Bromomethane
Concen: 0.220 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.000 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

Tgt Ion: 94 Resp: 201
Ion Ratio Lower Upper
94 100
96 151.1 77.6 116.4#





#11

Tert butyl alcohol

Concen: 2.004 ug/l

RT: 2.965 min Scan# 308

Delta R.T. -0.030 min

Lab File: VX033464.D

Acq: 16 Dec 2022 16:37

Instrument :

MSVOA_X

ClientSampleId :

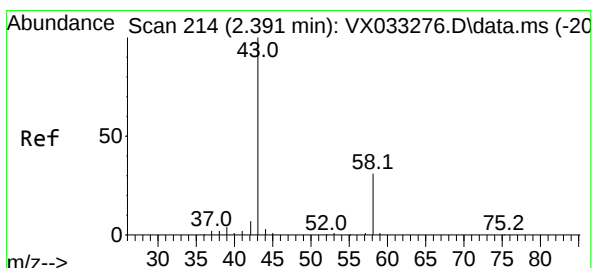
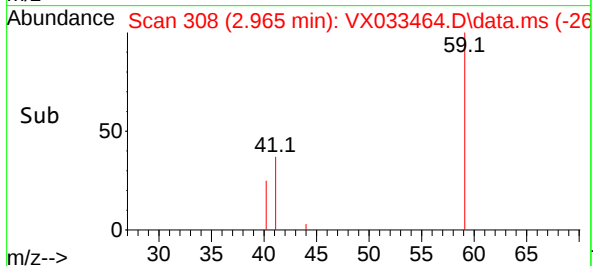
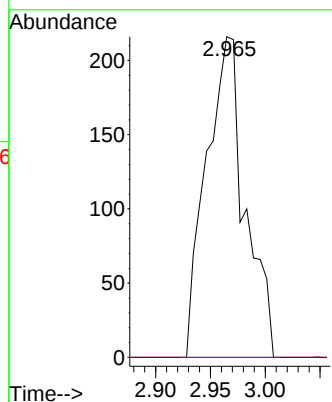
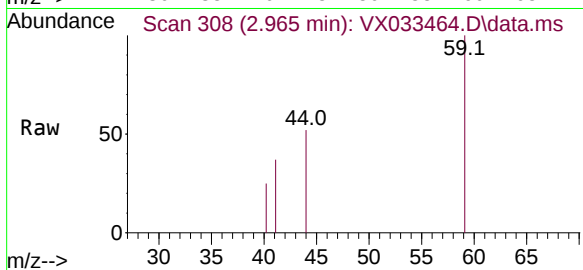
PB149678TB

Tgt Ion: 59 Resp: 531

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#16

Acetone

Concen: 21.646 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.012 min

Lab File: VX033464.D

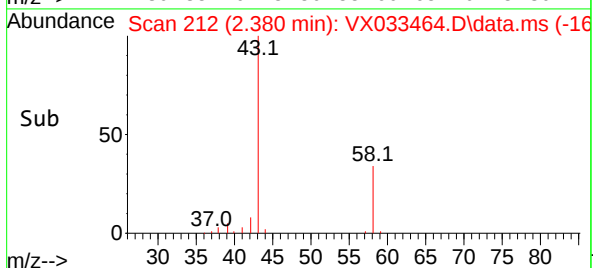
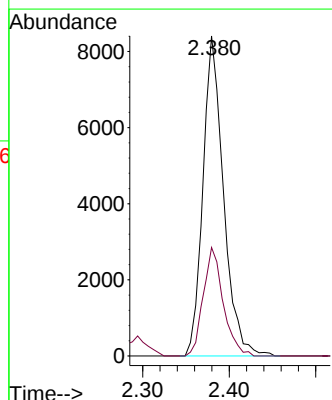
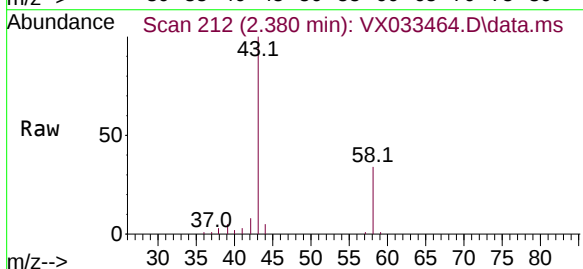
Acq: 16 Dec 2022 16:37

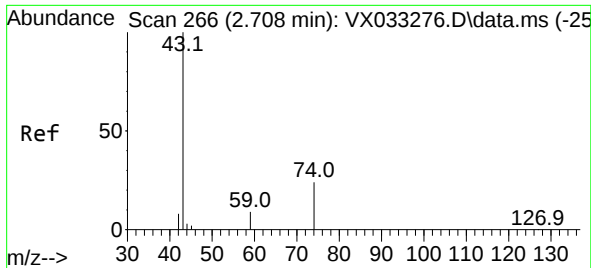
Tgt Ion: 43 Resp: 13881

Ion Ratio Lower Upper

43 100

58 33.9 23.8 35.8

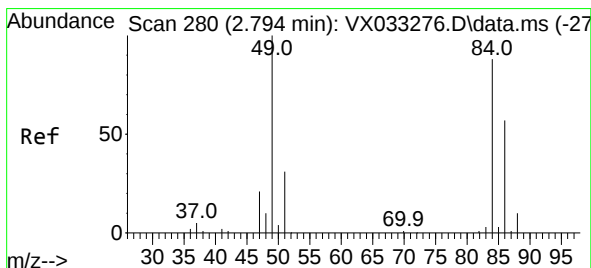
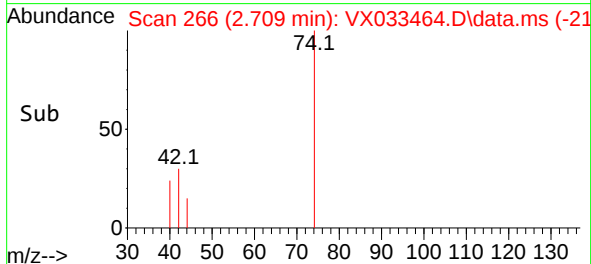
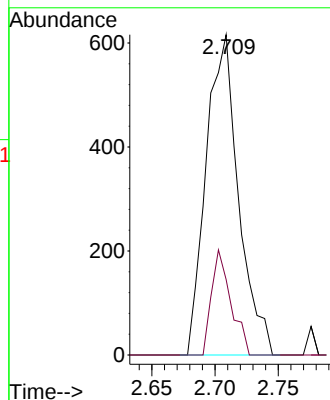
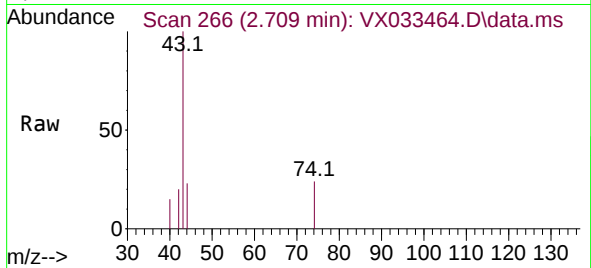




#18
Methyl Acetate
Concen: 0.591 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

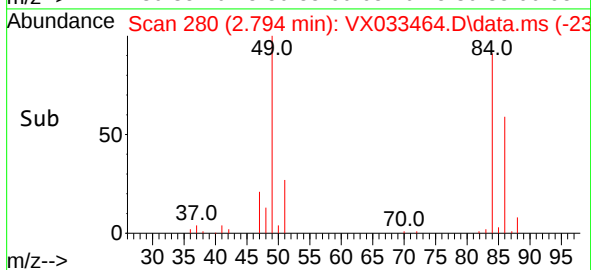
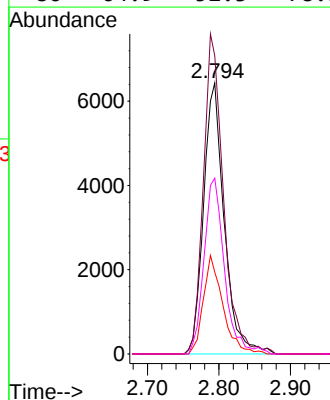
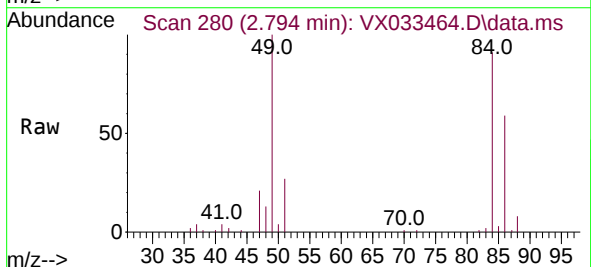
Instrument :
MSVOA_X
ClientSampleId :
PB149678TB

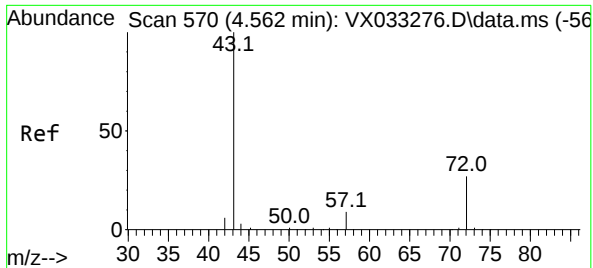
Tgt Ion: 43 Resp: 1097
Ion Ratio Lower Upper
43 100
74 19.6 19.4 29.0



#20
Methylene Chloride
Concen: 9.033 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

Tgt Ion: 84 Resp: 12918
Ion Ratio Lower Upper
84 100
49 110.0 101.0 151.6
51 30.2 31.1 46.7#
86 64.9 52.3 78.5

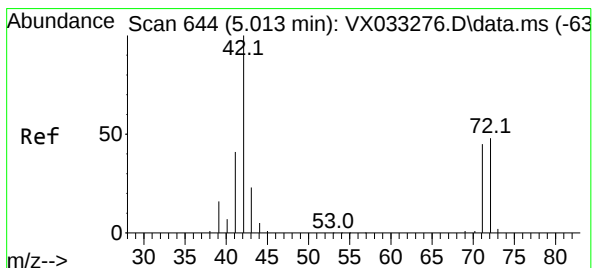
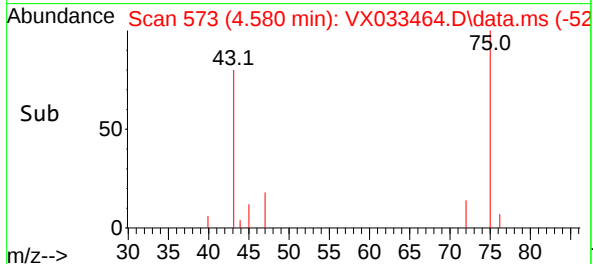
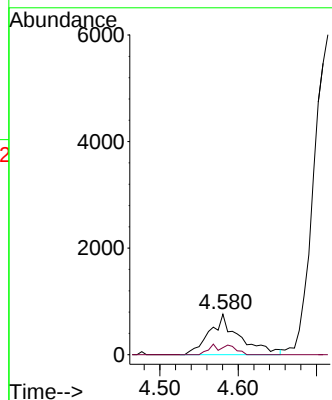
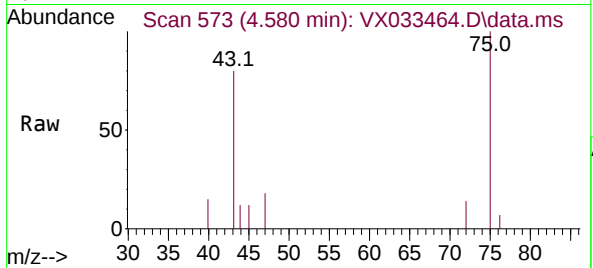




#25
2-Butanone
Concen: 2.192 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.019 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

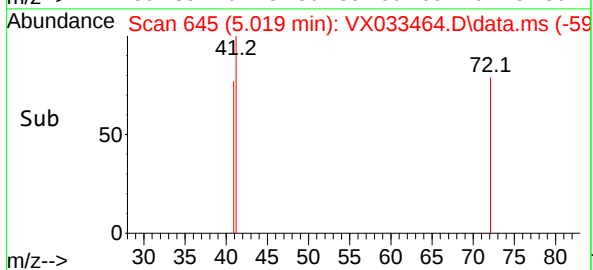
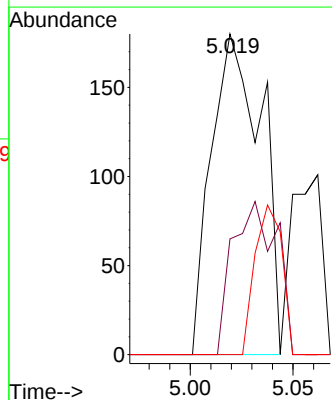
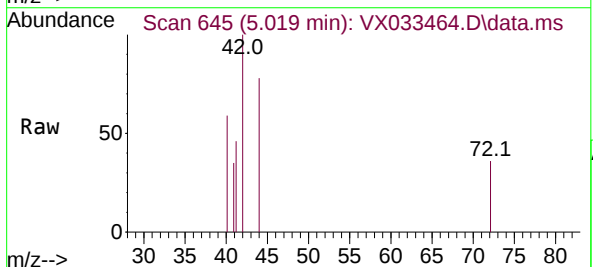
Instrument :
MSVOA_X
ClientSampleId :
PB149678TB

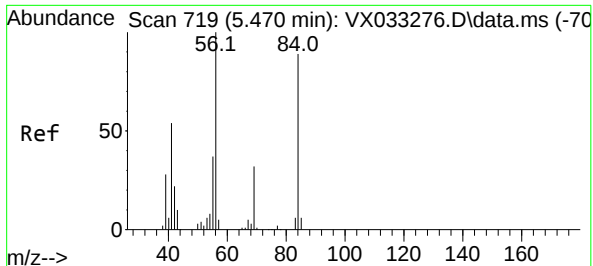
Tgt Ion: 43 Resp: 2018
Ion Ratio Lower Upper
43 100
72 17.2 22.2 33.2#



#29
Tetrahydrofuran
Concen: 0.511 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.006 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

Tgt Ion: 42 Resp: 305
Ion Ratio Lower Upper
42 100
72 42.0 37.6 56.4
71 25.2 34.7 52.1#

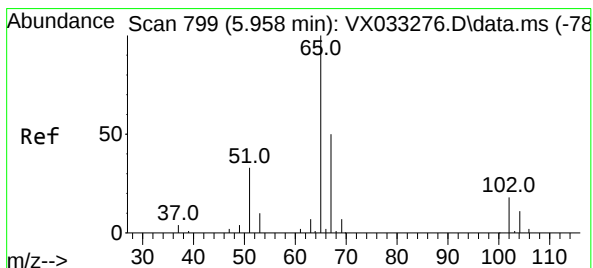
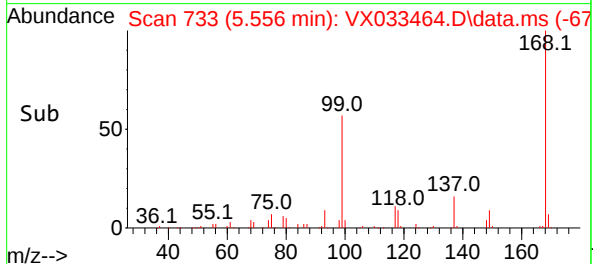
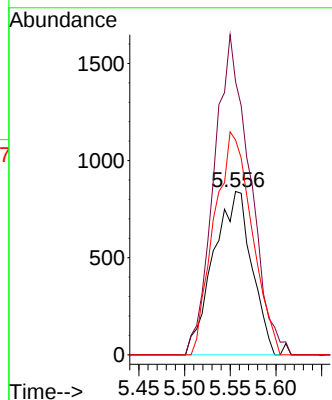
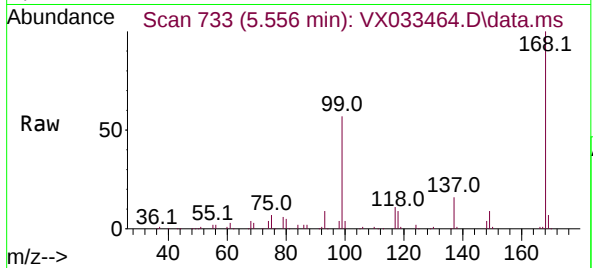




#31
Cyclohexane
Concen: 1.191 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

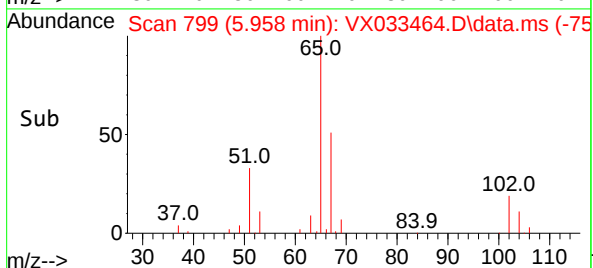
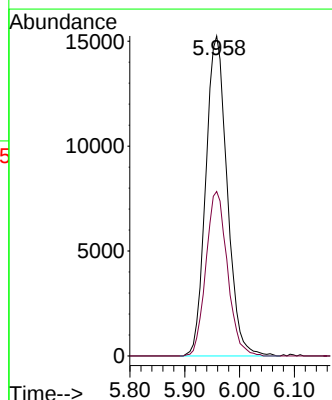
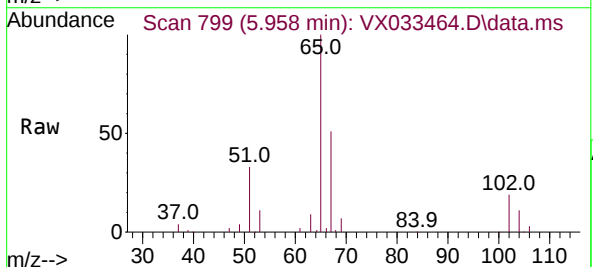
Instrument :
MSVOA_X
ClientSampleId :
PB149678TB

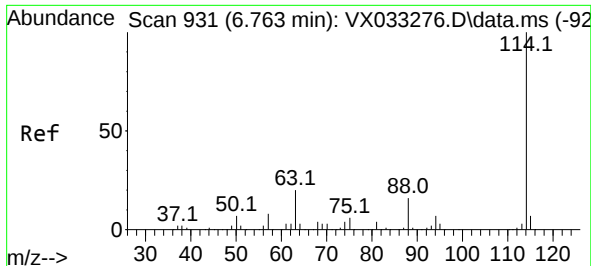
Tgt Ion: 56 Resp: 2453
Ion Ratio Lower Upper
56 100
69 167.2 24.1 36.1#
84 131.4 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 47.581 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

Tgt Ion: 65 Resp: 41234
Ion Ratio Lower Upper
65 100
67 51.7 0.0 101.8

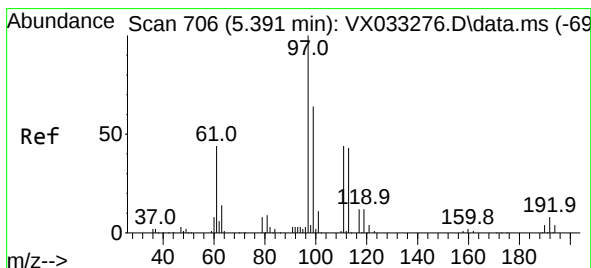
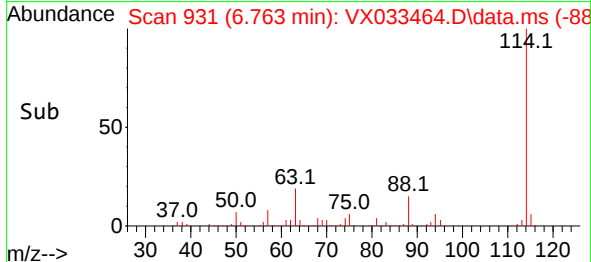
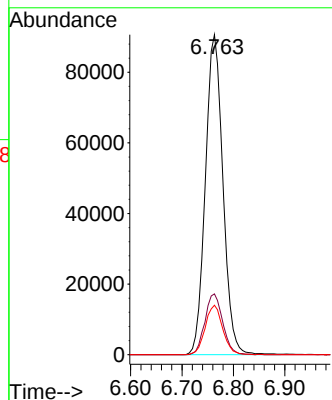
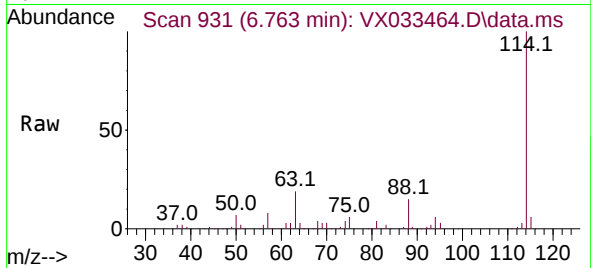




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

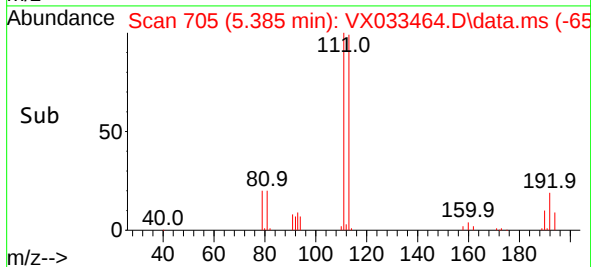
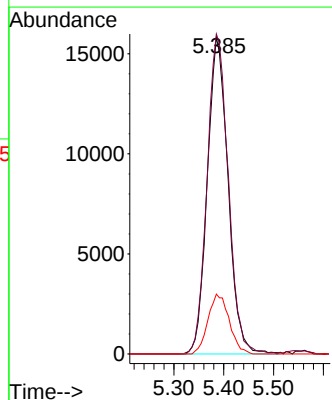
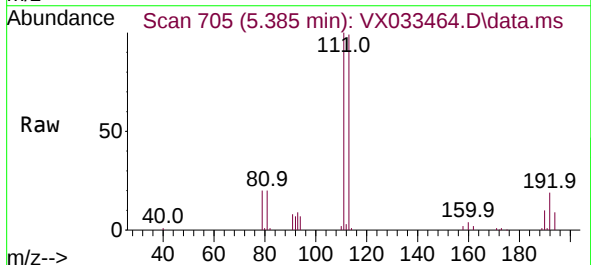
Instrument :
MSVOA_X
ClientSampleId :
PB149678TB

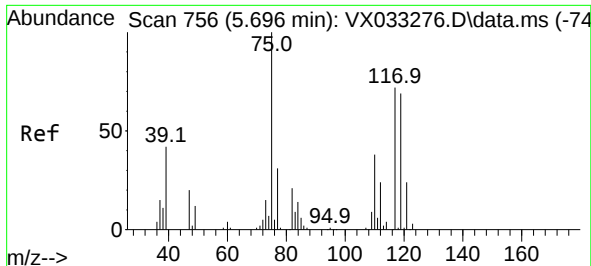
Tgt Ion:114 Resp: 215021
Ion Ratio Lower Upper
114 100
63 19.0 0.0 41.6
88 15.5 0.0 33.4



#35
Dibromofluoromethane
Concen: 47.248 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

Tgt Ion:113 Resp: 45695
Ion Ratio Lower Upper
113 100
111 103.3 82.4 123.6
192 19.4 15.4 23.2





#36

1,1-Dichloropropene

Concen: 5.214 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX033464.D

Acq: 16 Dec 2022 16:37

Instrument :

MSVOA_X

ClientSampleId :

PB149678TB

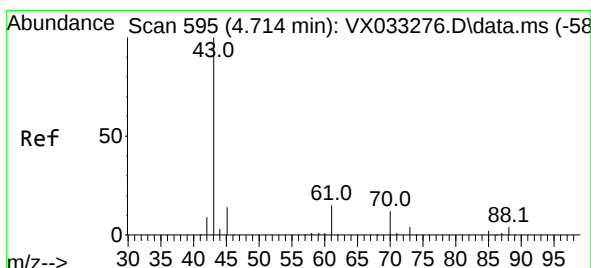
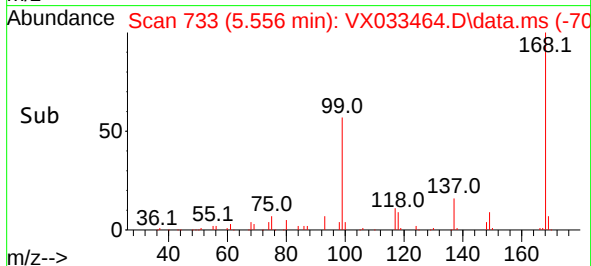
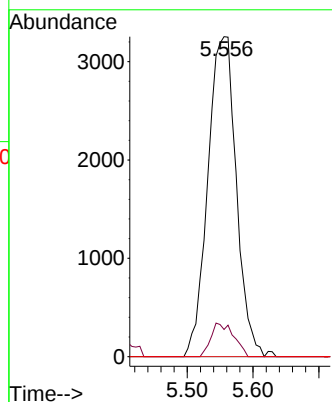
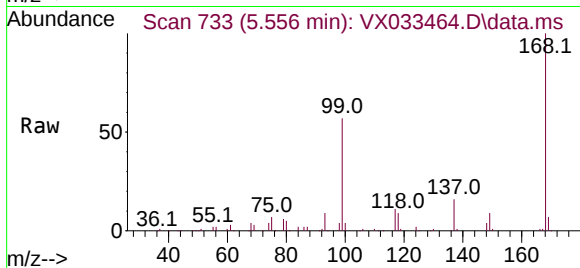
Tgt Ion: 75 Resp: 9831

Ion Ratio Lower Upper

75 100

110 8.4 18.4 55.2#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 9.587 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX033464.D

Acq: 16 Dec 2022 16:37

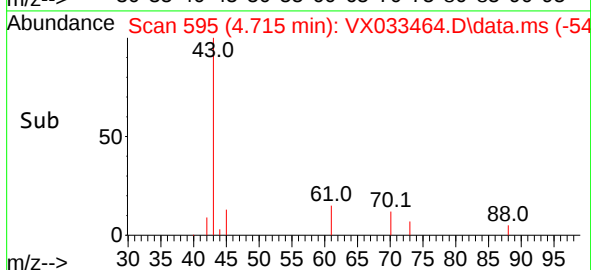
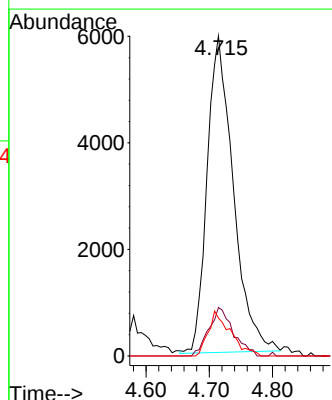
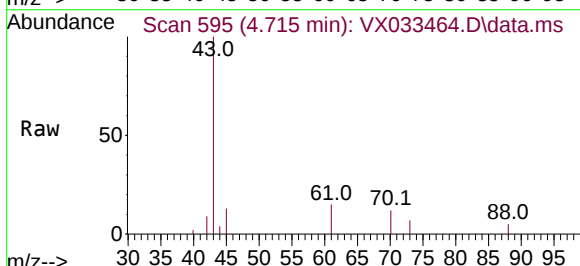
Tgt Ion: 43 Resp: 17088

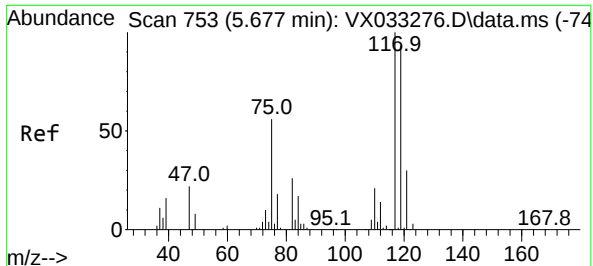
Ion Ratio Lower Upper

43 100

61 14.3 11.5 17.3

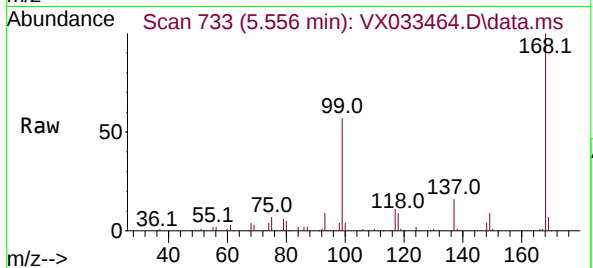
70 12.1 9.1 13.7



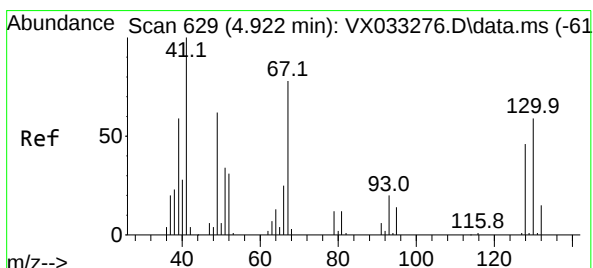
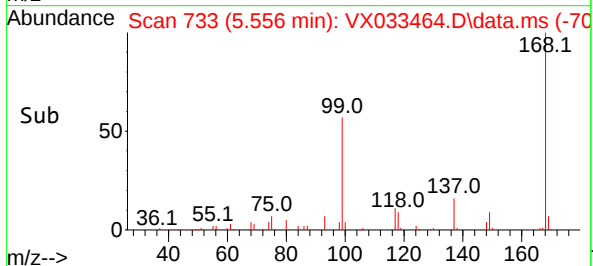
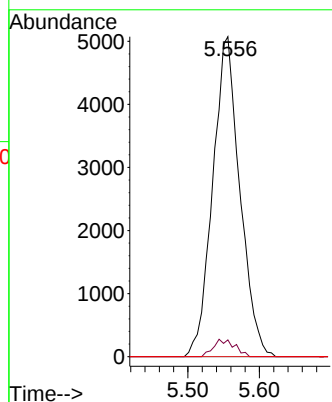


#38
Carbon Tetrachloride
Concen: 6.335 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

Instrument :
MSVOA_X
ClientSampleId :
PB149678TB

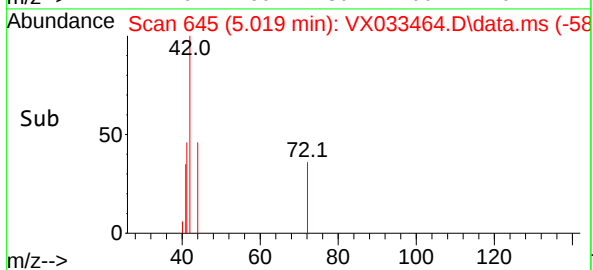
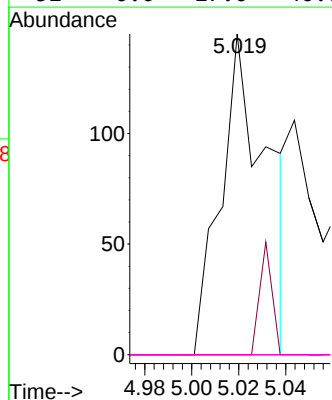
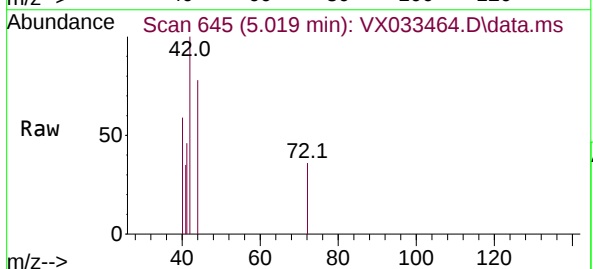


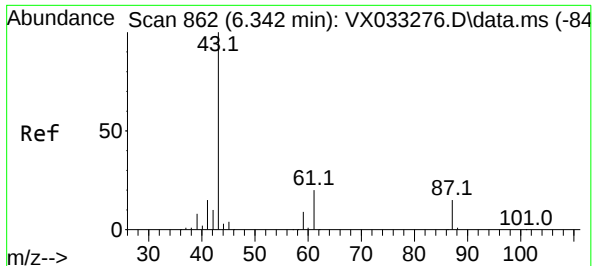
Tgt Ion:117 Resp: 13383
Ion Ratio Lower Upper
117 100
119 5.3 77.2 115.8#
121 0.0 25.8 38.6#



#41
Methacrylonitrile
Concen: 0.201 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.098 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

Tgt Ion: 41 Resp: 197
Ion Ratio Lower Upper
41 100
39 9.6 47.5 71.3#
67 0.0 60.5 90.7#
52 0.0 27.0 40.6#

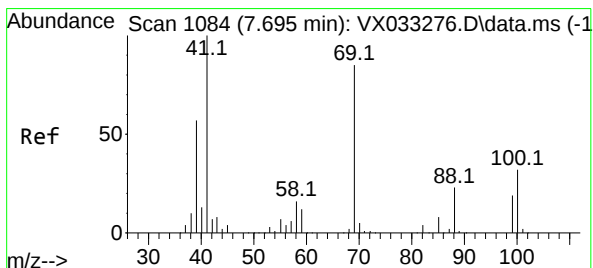
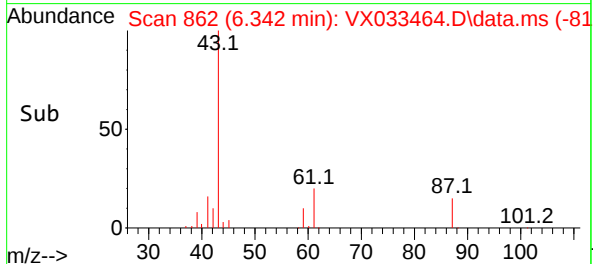
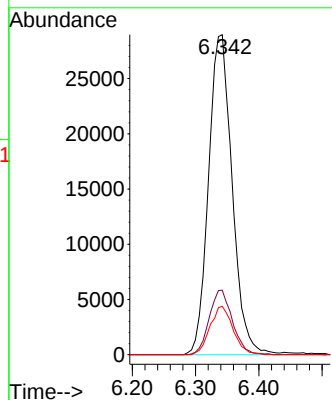
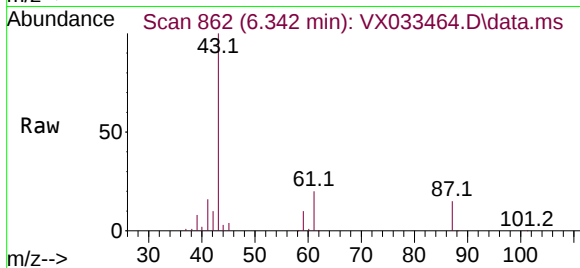




#43
Isopropyl Acetate
Concen: 26.179 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

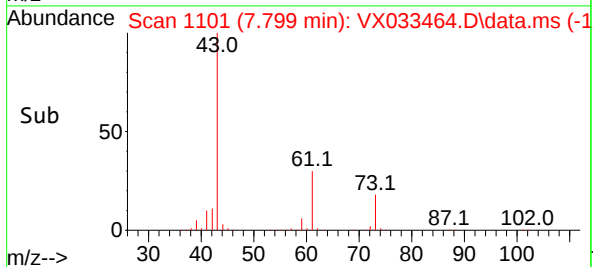
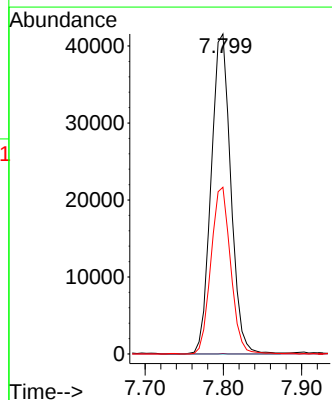
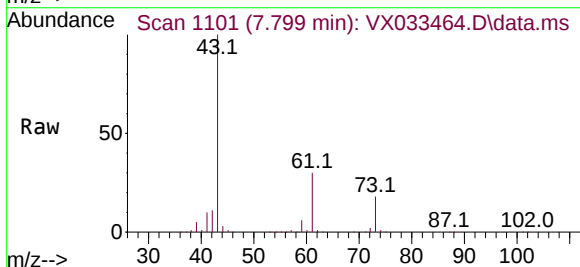
Instrument :
MSVOA_X
ClientSampleId :
PB149678TB

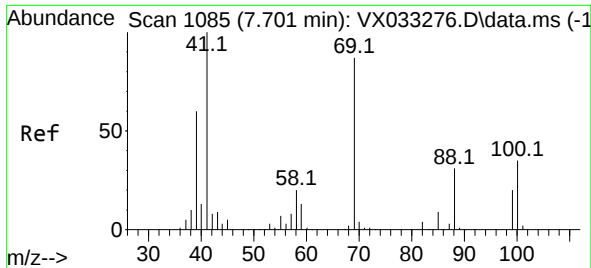
Tgt Ion: 43 Resp: 75077
Ion Ratio Lower Upper
43 100
61 19.8 15.4 23.0
87 14.7 10.8 16.2



#48
Methyl methacrylate
Concen: 48.939 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

Tgt Ion: 41 Resp: 72436
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 52.2 51.9 77.9

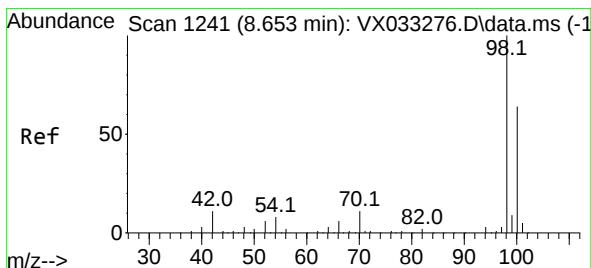
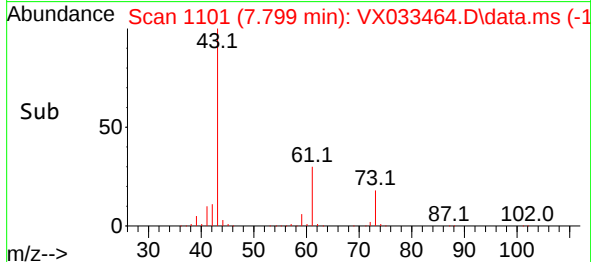
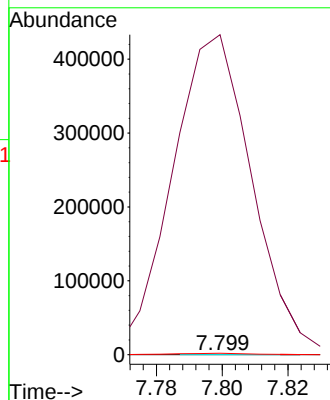
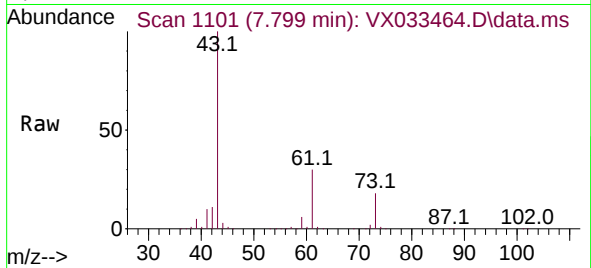




#49
 1,4-Dioxane
 Concen: 1.452 ug/l
 RT: 7.799 min Scan# 1101
 Delta R.T. 0.098 min
 Lab File: VX033464.D
 Acq: 16 Dec 2022 16:37

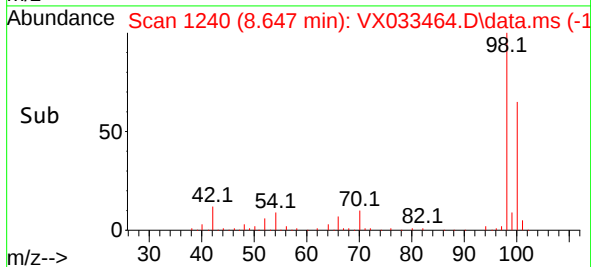
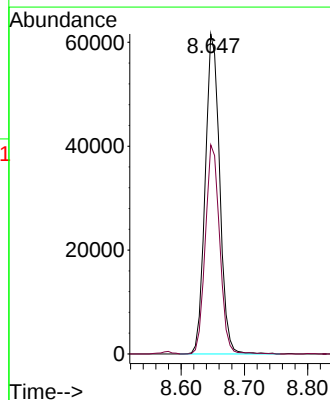
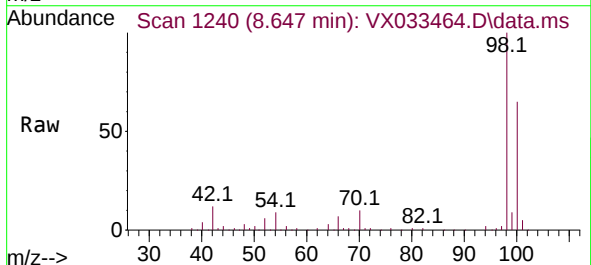
Instrument :
 MSVOA_X
 ClientSampleId :
 PB149678TB

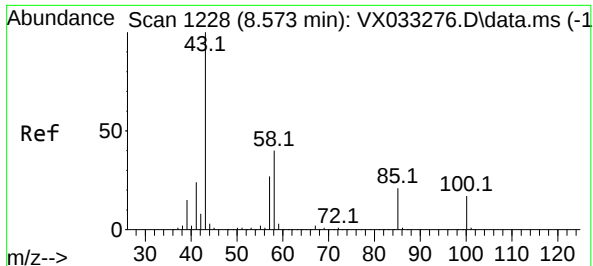
Tgt Ion: 88 Resp: 49
 Ion Ratio Lower Upper
 88 100
 43 1514671.4 26.6 39.8#
 58 6516.3 51.7 77.5#



#50
 Toluene-d8
 Concen: 48.436 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. -0.006 min
 Lab File: VX033464.D
 Acq: 16 Dec 2022 16:37

Tgt Ion: 98 Resp: 97995
 Ion Ratio Lower Upper
 98 100
 100 64.9 50.9 76.3

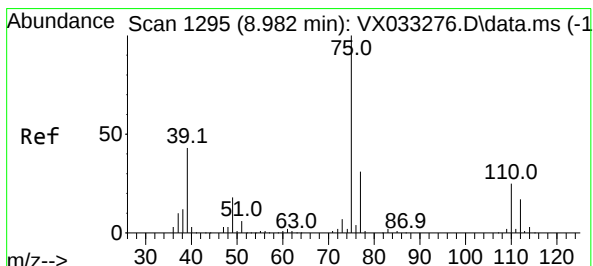
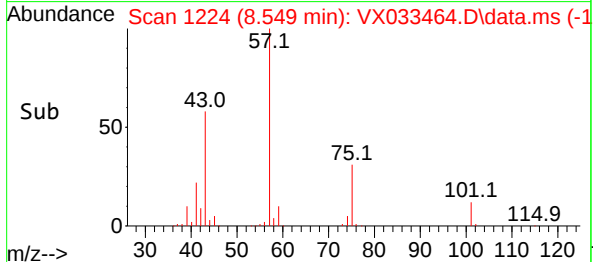
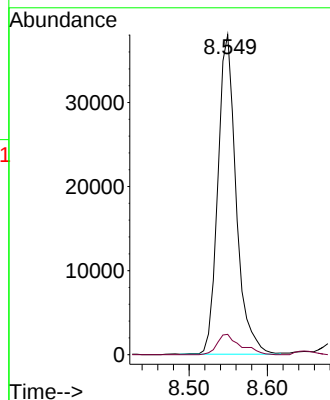
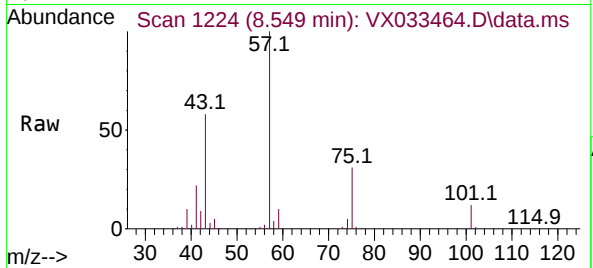




#51
4-Methyl-2-Pentanone
Concen: 34.016 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

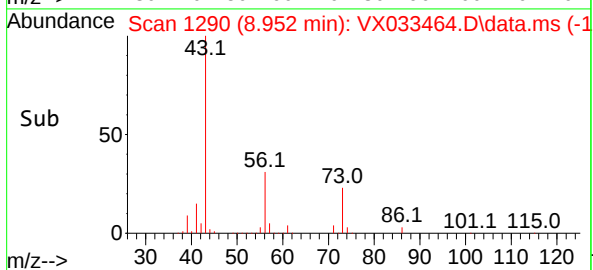
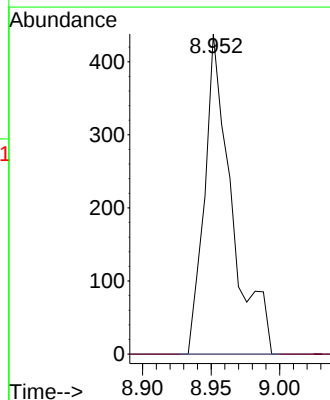
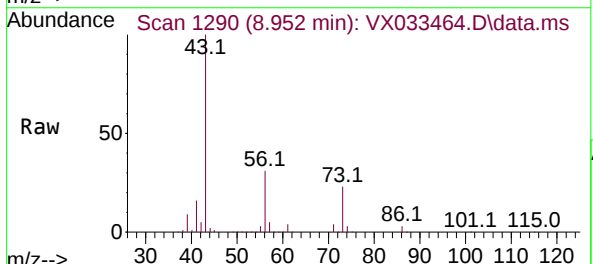
Instrument :
MSVOA_X
ClientSampleId :
PB149678TB

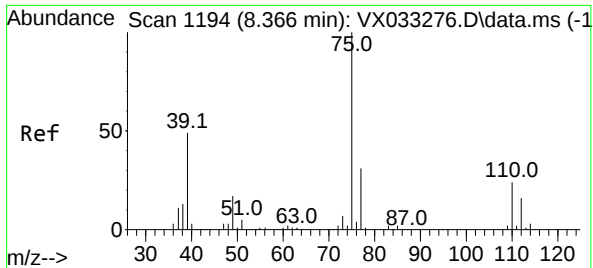
Tgt Ion: 43 Resp: 61692
Ion Ratio Lower Upper
43 100
58 8.1 30.9 46.3#



#53
t-1,3-Dichloropropene
Concen: 2.761 ug/l
RT: 8.952 min Scan# 1290
Delta R.T. -0.030 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

Tgt Ion: 75 Resp: 603
Ion Ratio Lower Upper
75 100
77 0.0 25.1 37.7#

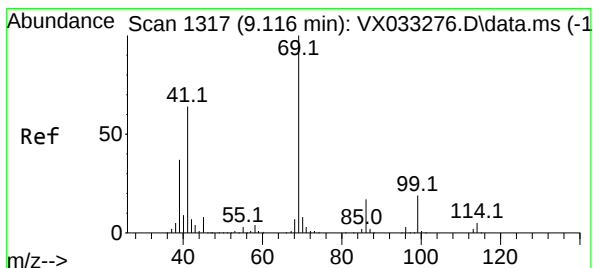
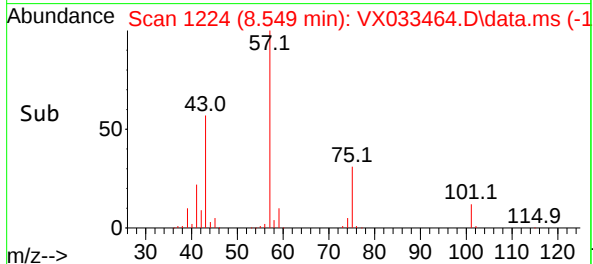
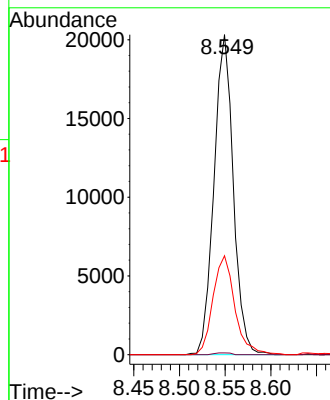
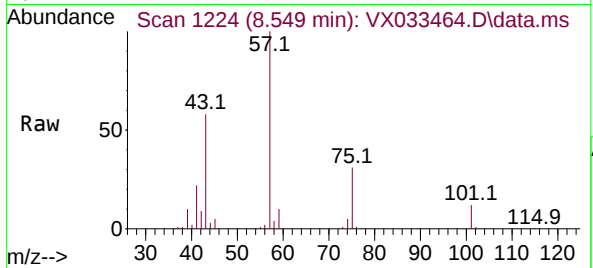




#54
 cis-1,3-Dichloropropene
 Concen: 13.460 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033464.D
 Acq: 16 Dec 2022 16:37

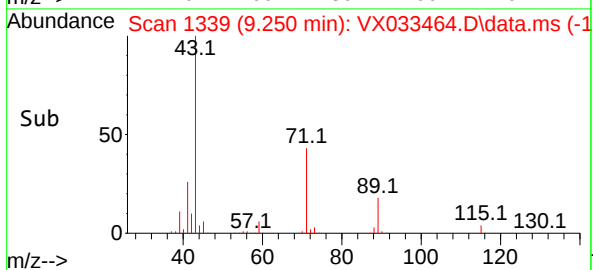
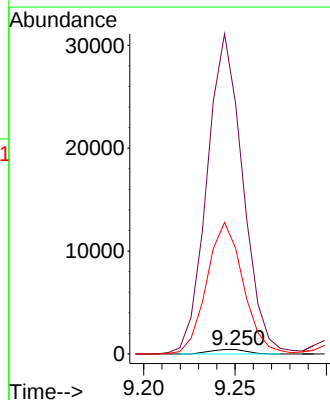
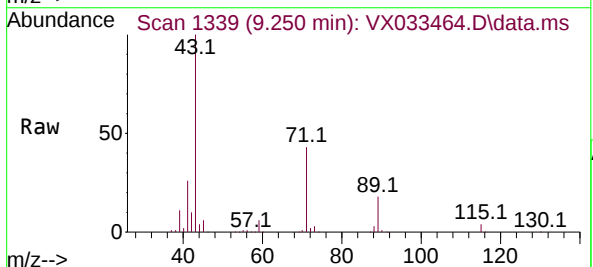
Instrument :
 MSVOA_X
 ClientSampleId :
 PB149678TB

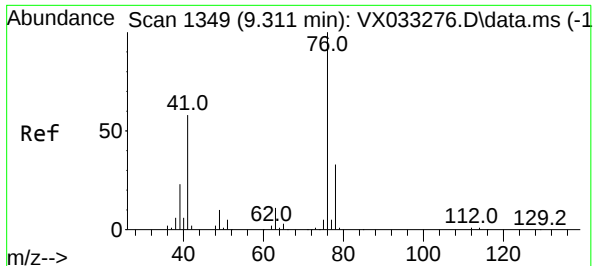
Tgt Ion: 75 Resp: 29905
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.1 37.7#
 39 30.9 45.5 68.3#



#56
 Ethyl methacrylate
 Concen: 0.282 ug/l
 RT: 9.250 min Scan# 1339
 Delta R.T. 0.134 min
 Lab File: VX033464.D
 Acq: 16 Dec 2022 16:37

Tgt Ion: 69 Resp: 594
 Ion Ratio Lower Upper
 69 100
 41 7191.4 54.3 81.5#
 39 2995.6 35.2 52.8#





#57

1,3-Dichloropropane

Concen: 1.754 ug/l

RT: 9.482 min Scan# 1175

Delta R.T. 0.171 min

Lab File: VX033464.D

Acq: 16 Dec 2022 16:37

Instrument :

MSVOA_X

ClientSampleId :

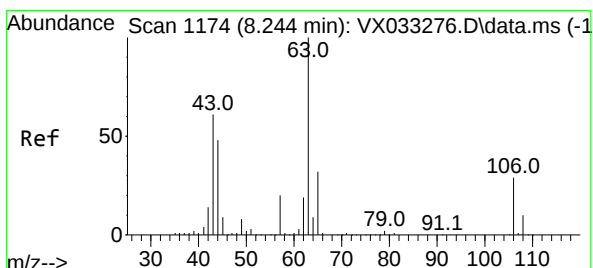
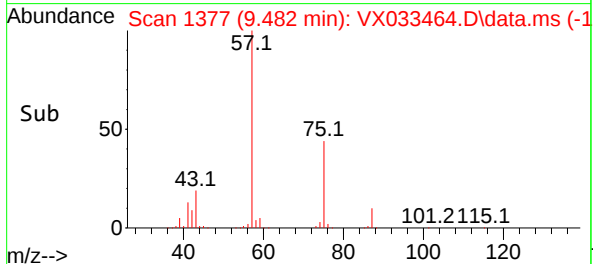
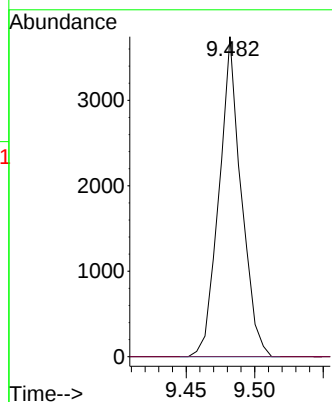
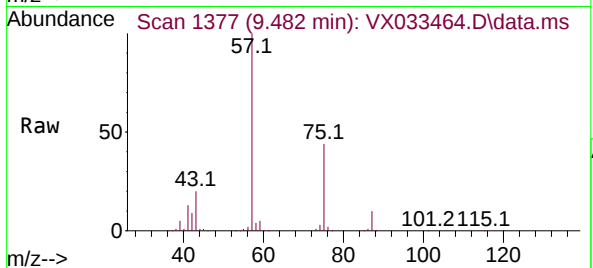
PB149678TB

Tgt Ion: 76 Resp: 4209

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#



#58

2-Chloroethyl Vinyl ether

Concen: 0.888 ug/l

RT: 8.250 min Scan# 1175

Delta R.T. 0.006 min

Lab File: VX033464.D

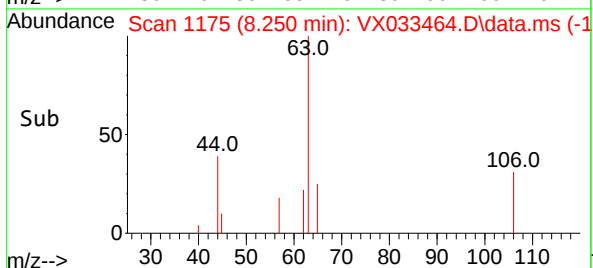
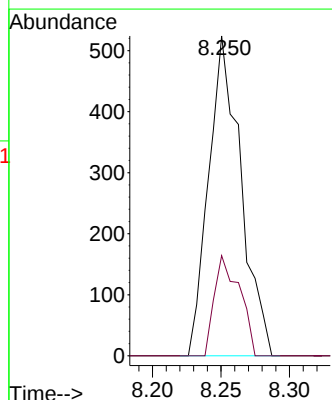
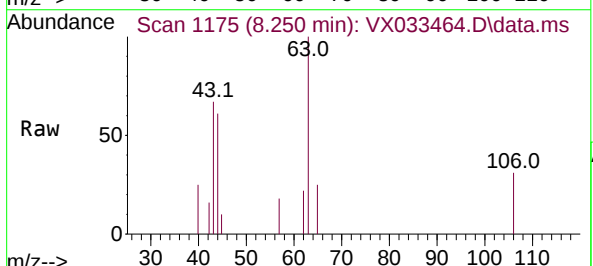
Acq: 16 Dec 2022 16:37

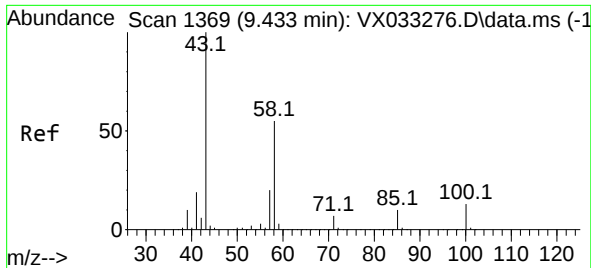
Tgt Ion: 63 Resp: 855

Ion Ratio Lower Upper

63 100

106 24.6 23.3 34.9

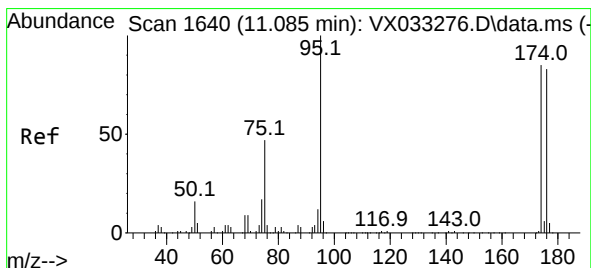
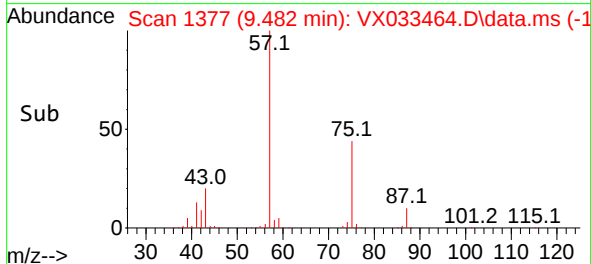
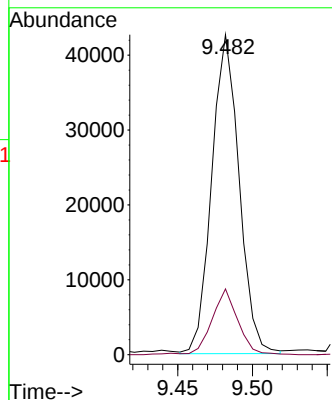
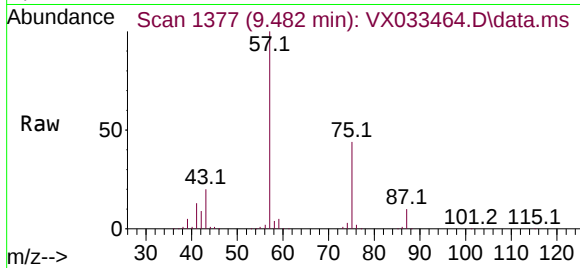




#59
2-Hexanone
Concen: 40.641 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

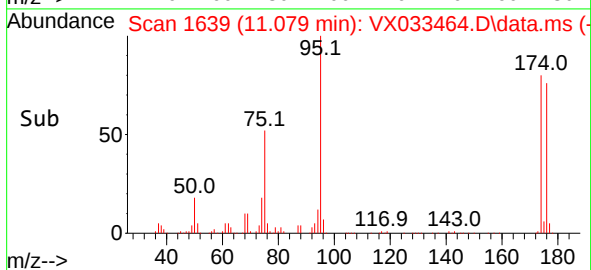
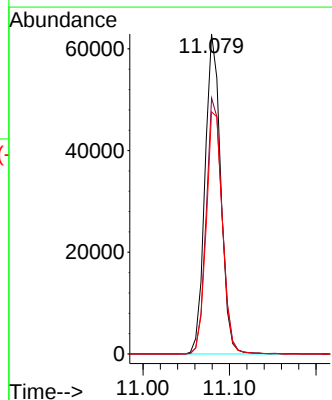
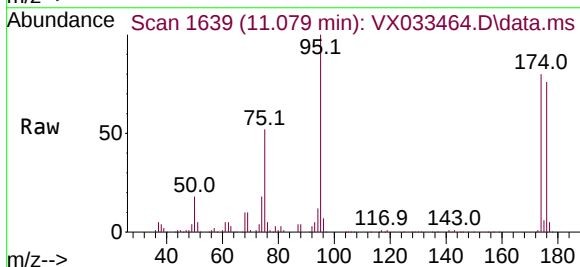
Instrument :
MSVOA_X
ClientSampleId :
PB149678TB

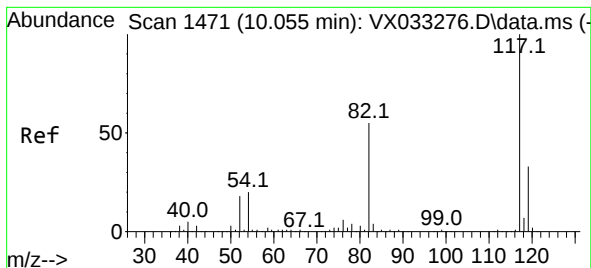
Tgt Ion: 43 Resp: 54317
Ion Ratio Lower Upper
43 100
58 19.7 26.5 79.5#



#62
4-Bromofluorobenzene
Concen: 51.178 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

Tgt Ion: 95 Resp: 79170
Ion Ratio Lower Upper
95 100
174 81.3 0.0 164.0
176 78.1 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: VX033464.D

Acq: 16 Dec 2022 16:37

Instrument :

MSVOA_X

ClientSampleId :

PB149678TB

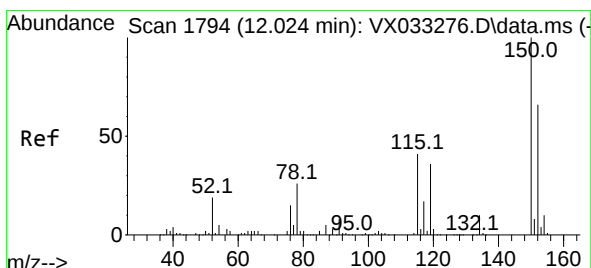
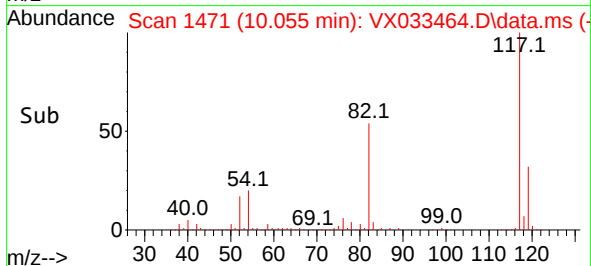
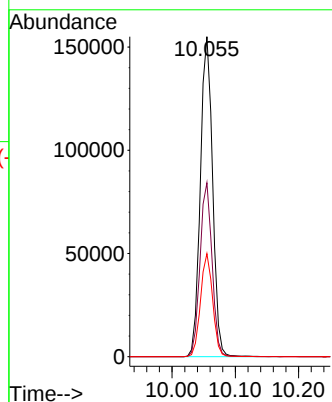
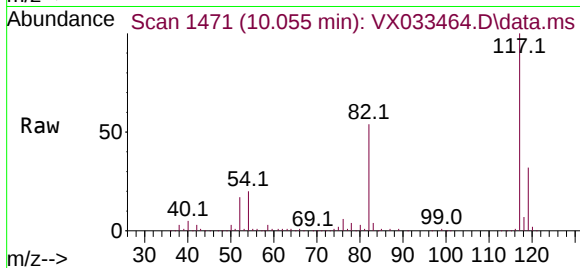
Tgt Ion:117 Resp: 208818

Ion Ratio Lower Upper

117 100

82 54.4 44.3 66.5

119 32.2 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: VX033464.D

Acq: 16 Dec 2022 16:37

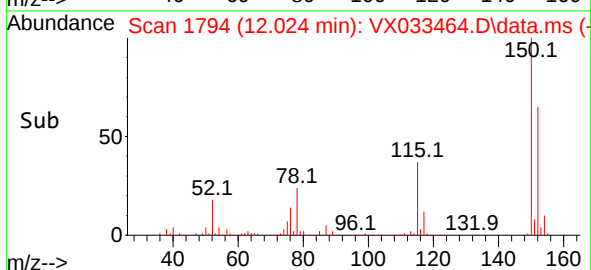
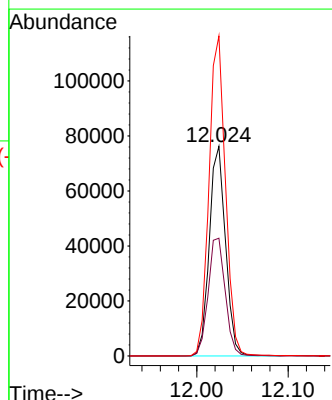
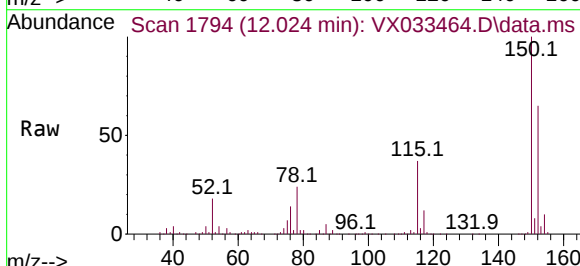
Tgt Ion:152 Resp: 93819

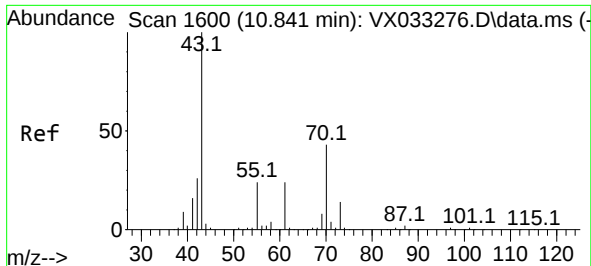
Ion Ratio Lower Upper

152 100

115 59.2 44.0 132.0

150 155.0 0.0 351.8

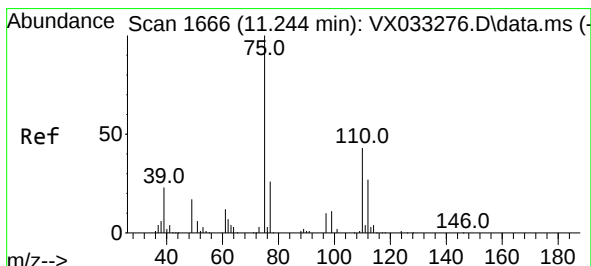
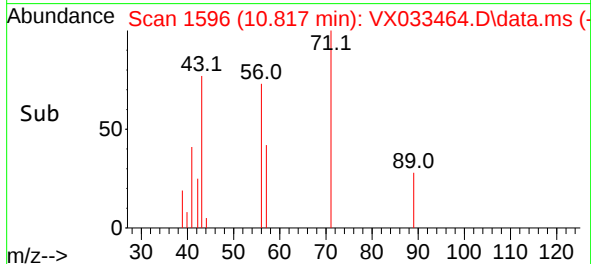
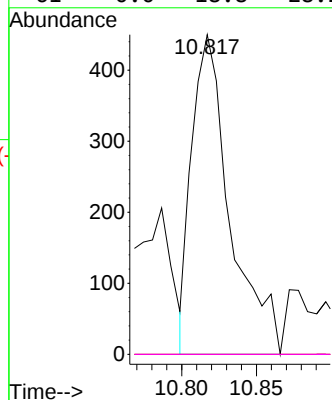
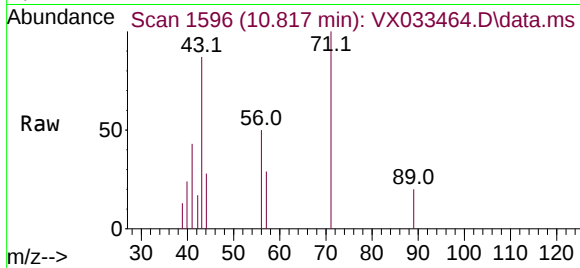




#74
N-amy1 acetate
Concen: 0.345 ug/l
RT: 10.817 min Scan# 1639
Delta R.T. -0.024 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

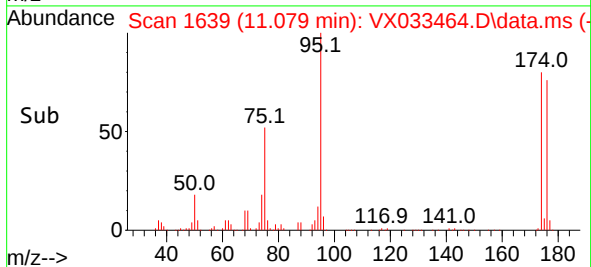
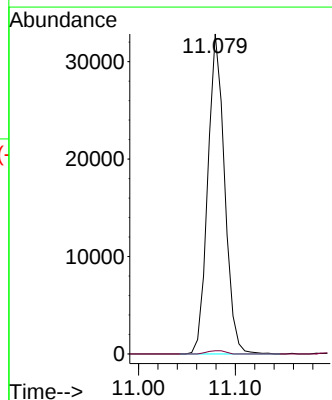
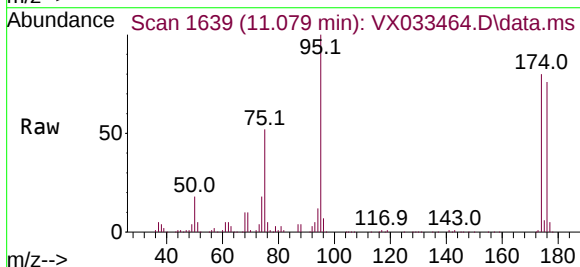
Instrument :
MSVOA_X
ClientSampleId :
PB149678TB

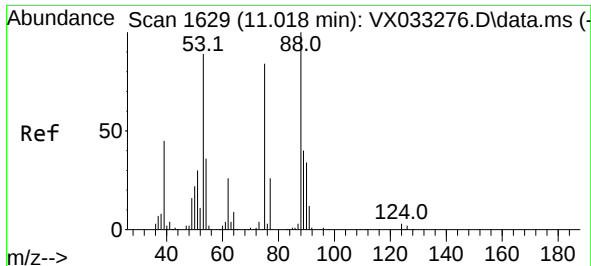
Tgt Ion: 43	Resp: 801
Ion Ratio	Lower Upper
43 100	
70 0.0	33.6 50.4#
55 0.0	19.4 29.2#
61 0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 20.839 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

Tgt Ion: 75	Resp: 39777
Ion Ratio	Lower Upper
75 100	
77 1.1	20.0 60.0#

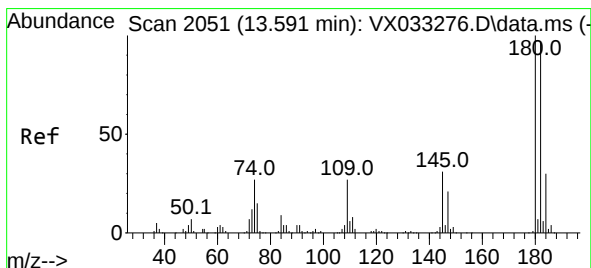
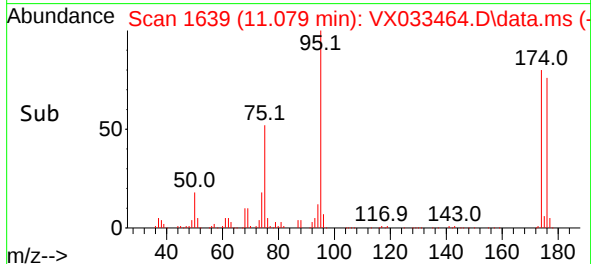
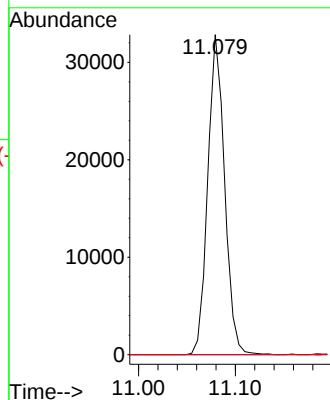
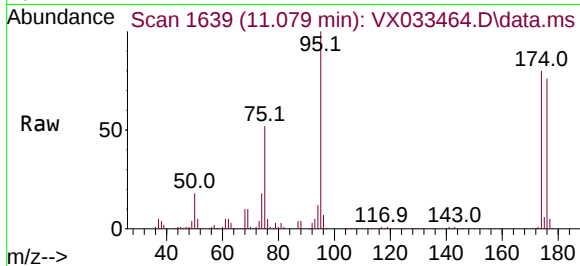




#81
trans-1,4-Dichloro-2-butene
Concen: 64.824 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

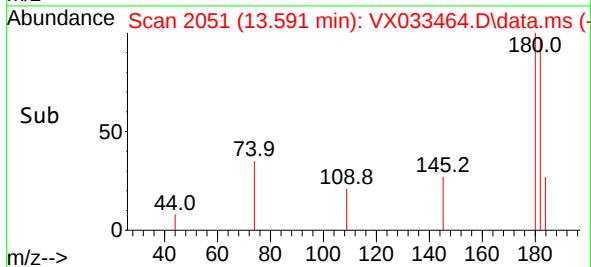
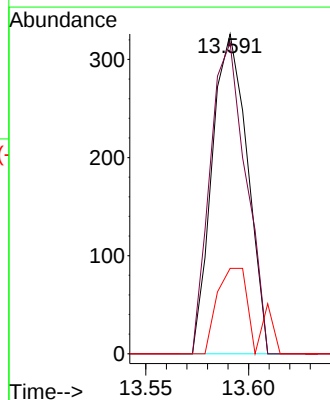
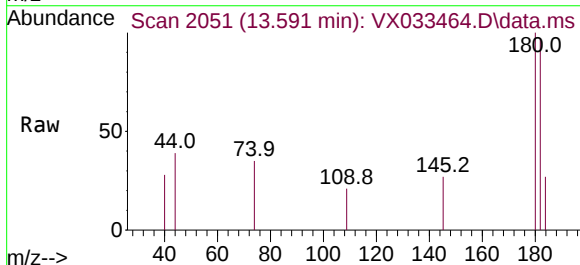
Instrument :
MSVOA_X
ClientSampleId :
PB149678TB

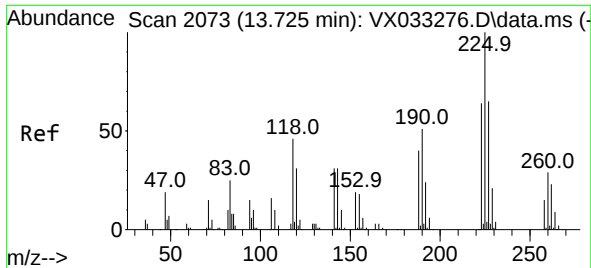
Tgt Ion: 75 Resp: 39777
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.207 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX033464.D
Acq: 16 Dec 2022 16:37

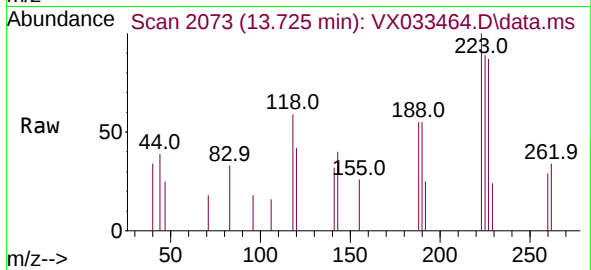
Tgt Ion:180 Resp: 388
Ion Ratio Lower Upper
180 100
182 99.2 48.4 145.0
145 27.1 16.2 48.5





#94
 Hexachlorobutadiene
 Concen: 0.589 ug/l
 RT: 13.725 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX033464.D
 Acq: 16 Dec 2022 16:37

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149678TB



Tgt Ion:	225	Resp:	443
Ion	Ratio	Lower	Upper
225	100		
223	78.6	31.9	95.9
227	83.1	31.9	95.5

