

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102522\
 Data File : VX032386.D
 Acq On : 26 Oct 2022 00:09
 Operator : JC/MD
 Sample : PB148552TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB148552TB

Quant Time: Oct 27 14:21:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 22 04:56:40 2022
 Response via : Initial Calibration

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

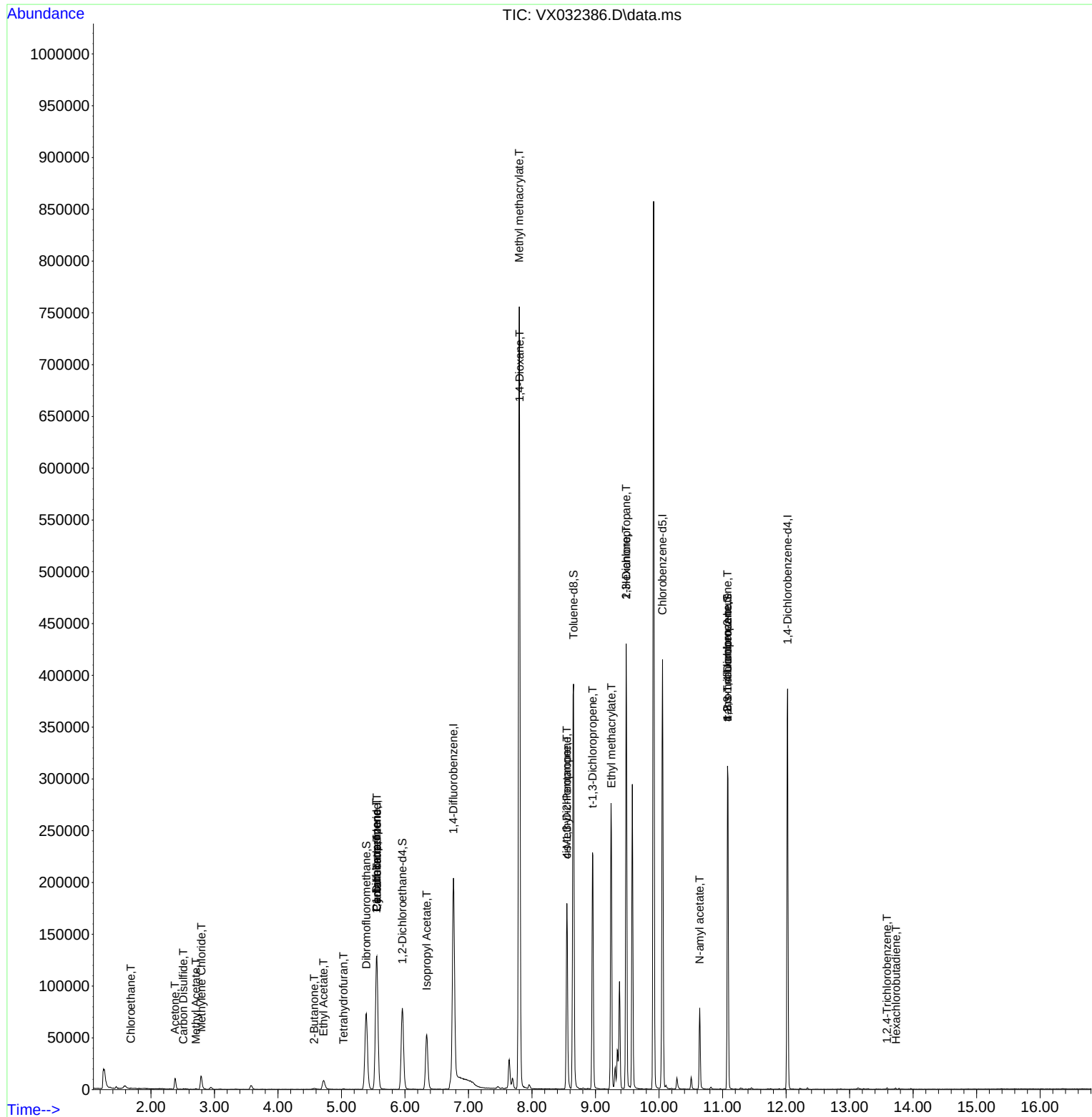
Internal Standards						
1) Pentafluorobenzene	5.556	168	121781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	195082	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	172016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	76958	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78746	49.706	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.420%		
35) Dibromofluoromethane	5.391	113	62396	45.964	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.920%		
50) Toluene-d8	8.653	98	232344	47.547	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.100%		
62) 4-Bromofluorobenzene	11.079	95	79506	44.432	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.860%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.264	50	982	Below Cal	#	44
6) Chloroethane	1.685	64	80	2.017	ug/l #	41
11) Tert butyl alcohol	2.941	59	1338	Below Cal	#	74
16) Acetone	2.380	43	11573	22.510	ug/l	98
17) Carbon Disulfide	2.508	76	648	0.255	ug/l #	74
18) Methyl Acetate	2.709	43	802	0.459	ug/l #	80
20) Methylene Chloride	2.794	84	6706	5.080	ug/l	93
25) 2-Butanone	4.568	43	1287	1.603	ug/l	97
29) Tetrahydrofuran	5.032	42	399	0.770	ug/l #	38
31) Cyclohexane	5.556	56	2781	1.536	ug/l #	22
36) 1,1-Dichloropropene	5.550	75	9398	5.382	ug/l #	46
37) Ethyl Acetate	4.715	43	15507	9.070	ug/l #	88
38) Carbon Tetrachloride	5.556	117	12823	6.956	ug/l #	18
43) Isopropyl Acetate	6.342	43	72018	26.837	ug/l	100
48) Methyl methacrylate	7.799	41	69005	51.561	ug/l #	43
49) 1,4-Dioxane	7.806	88	131	4.877	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	61758	36.714	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	597	2.109	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	27373	13.965	ug/l #	66
56) Ethyl methacrylate	9.250	69	485	0.253	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3542	1.642	ug/l #	42
59) 2-Hexanone	9.482	43	49628	39.539	ug/l #	52
74) N-amyl acetate	10.640	43	19698	9.710	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	43362	28.437	ug/l #	45
81) trans-1,4-Dichloro-2-b...	11.079	75	43362	87.166	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.591	180	401	0.242	ug/l	95
94) Hexachlorobutadiene	13.731	225	210	0.292	ug/l	83

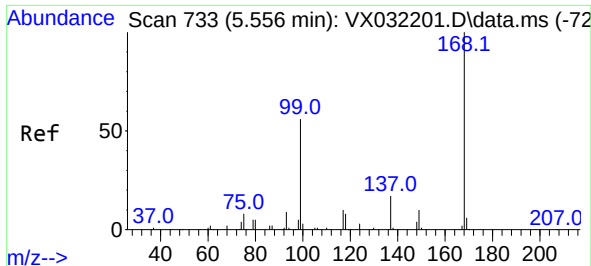
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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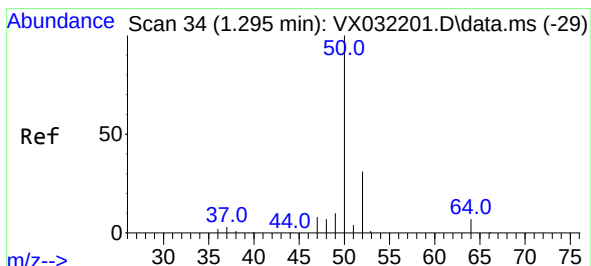
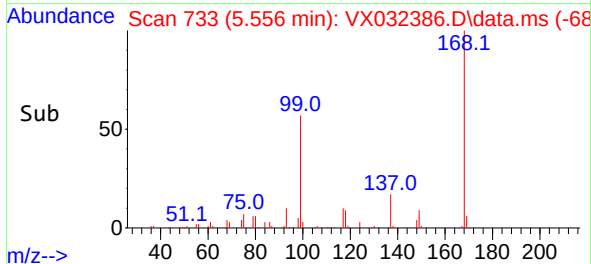
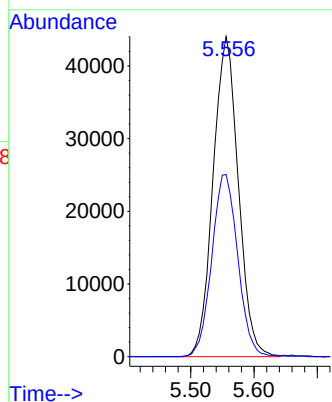
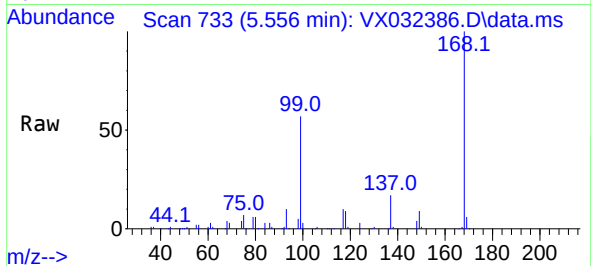




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

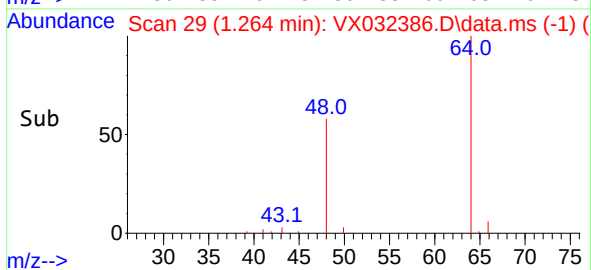
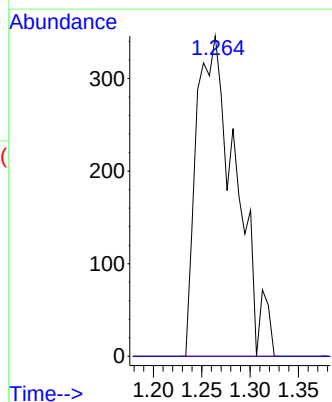
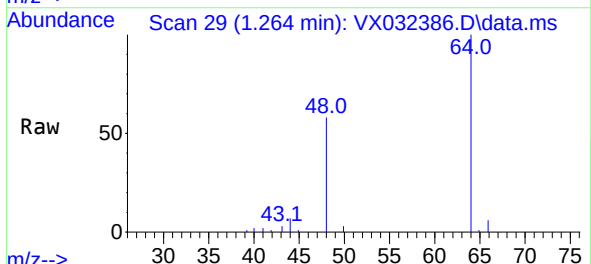
Instrument :
MSVOA_X
ClientSampleId :
PB148552TB

Tgt Ion:168 Resp: 121781
Ion Ratio Lower Upper
168 100
99 57.0 44.8 67.2

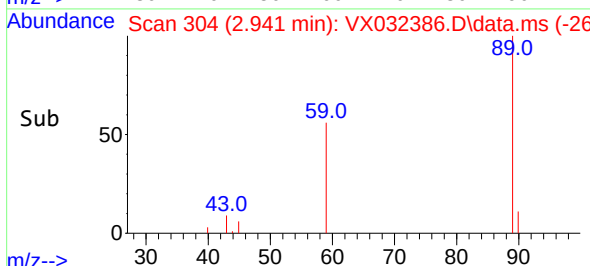
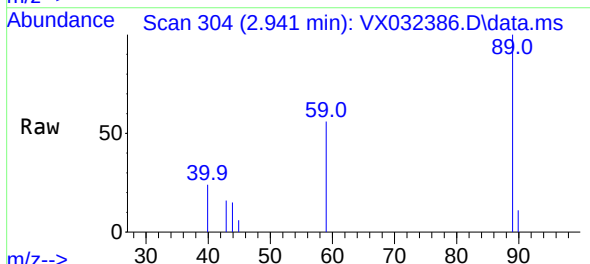
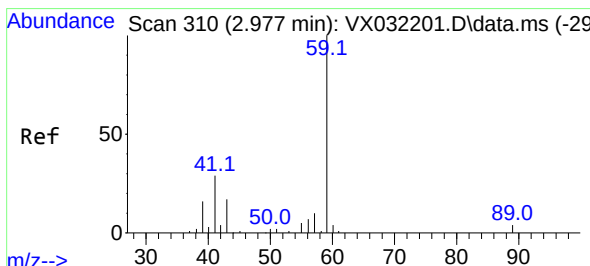
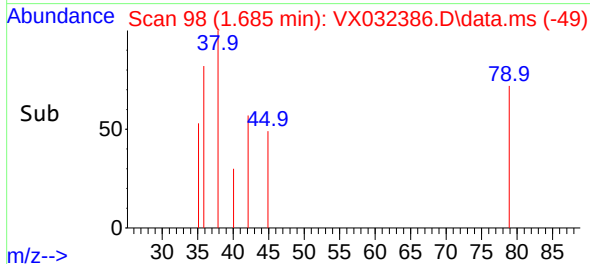
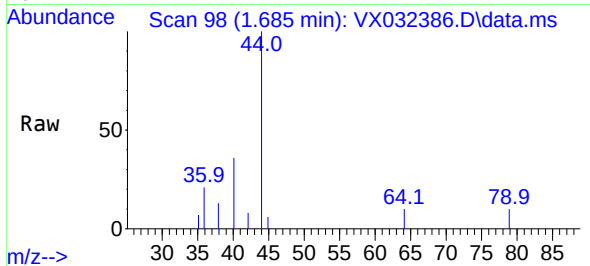
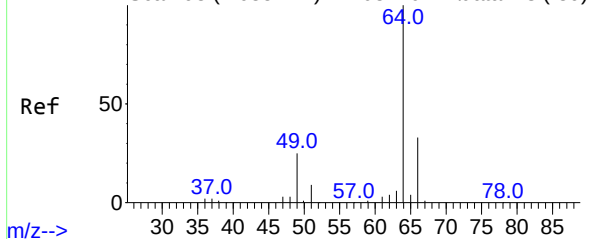


#3
Chloromethane
Concen: Below Cal
RT: 1.264 min Scan# 29
Delta R.T. -0.031 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

Tgt Ion: 50 Resp: 982
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#



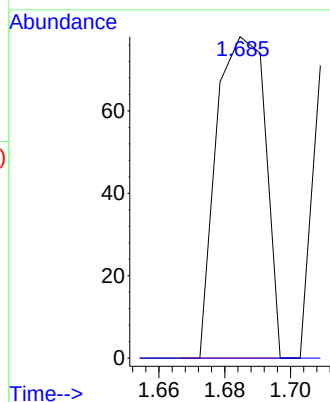
Abundance Scan 98 (1.685 min): VX032201.D\data.ms (-89)



#6
Chloroethane
Concen: 2.017 ug/l
RT: 1.685 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

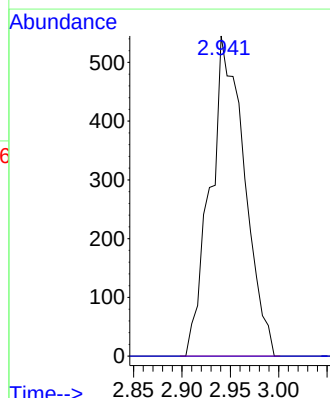
Instrument :
MSVOA_X
ClientSampleId :
PB148552TB

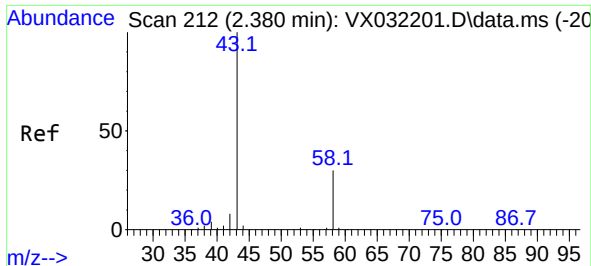
Tgt Ion: 64 Resp: 80
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.036 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

Tgt Ion: 59 Resp: 1338
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#

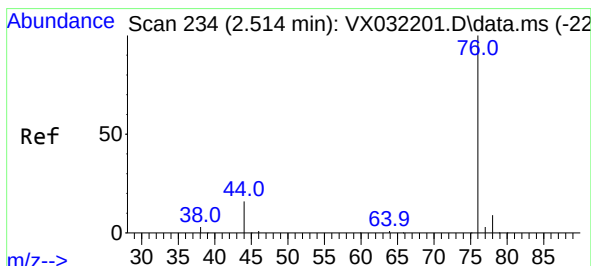
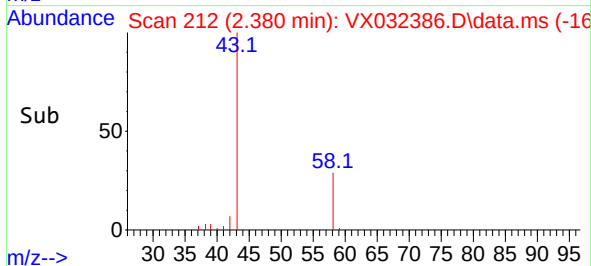
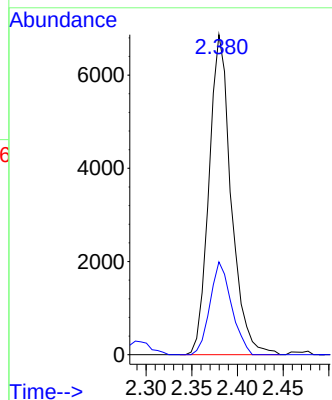
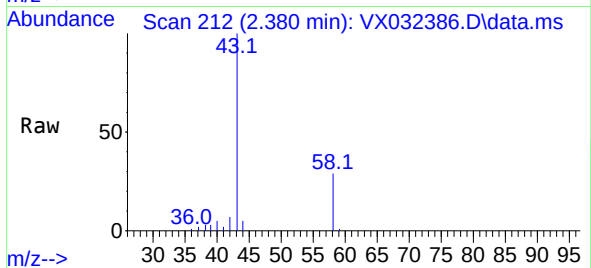




#16
Acetone
Concen: 22.510 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

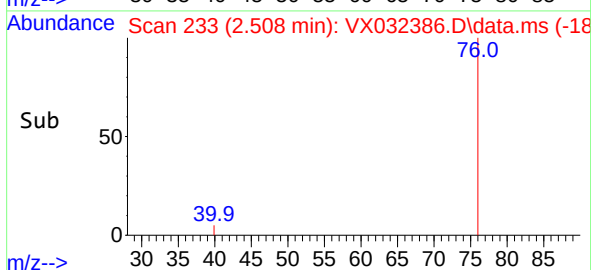
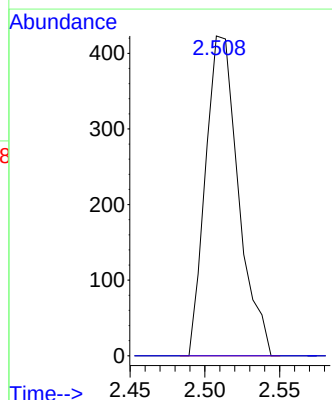
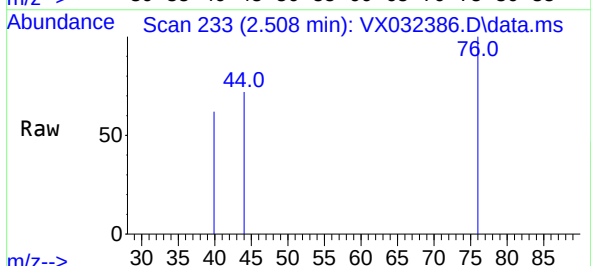
Instrument :
MSVOA_X
ClientSampleId :
PB148552TB

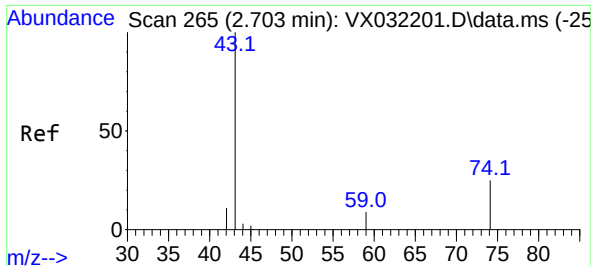
Tgt Ion: 43 Resp: 11573
Ion Ratio Lower Upper
43 100
58 29.0 24.2 36.2



#17
Carbon Disulfide
Concen: 0.255 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

Tgt Ion: 76 Resp: 648
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#

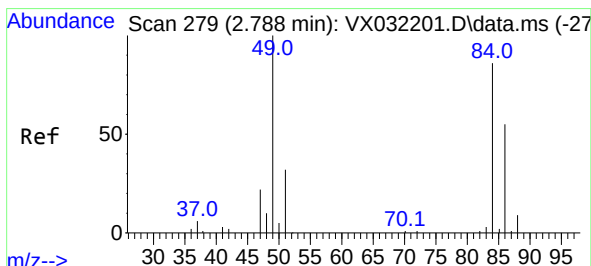
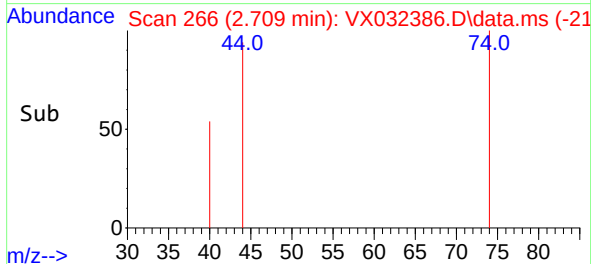
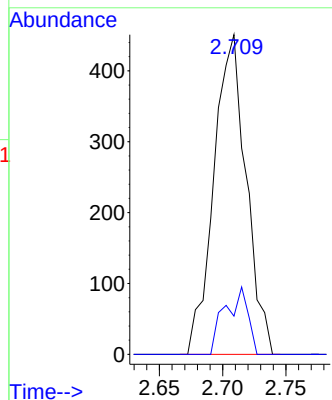
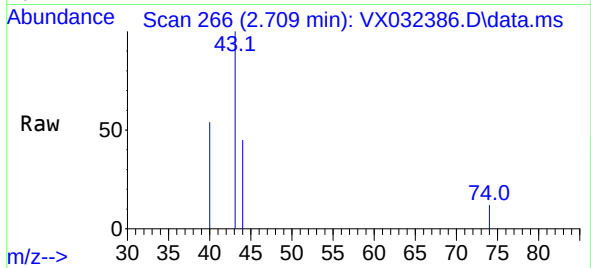




#18
Methyl Acetate
Concen: 0.459 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

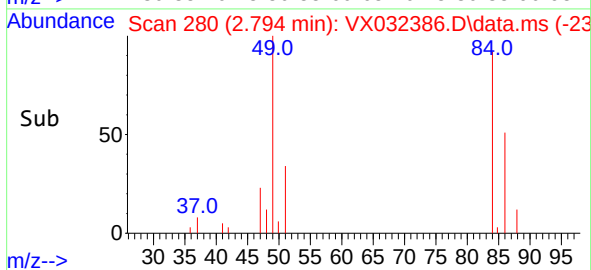
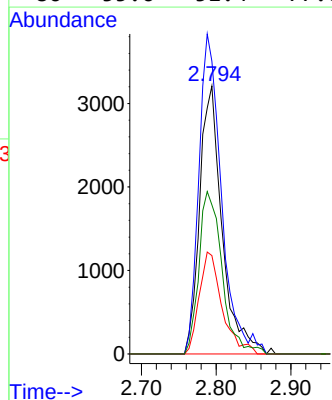
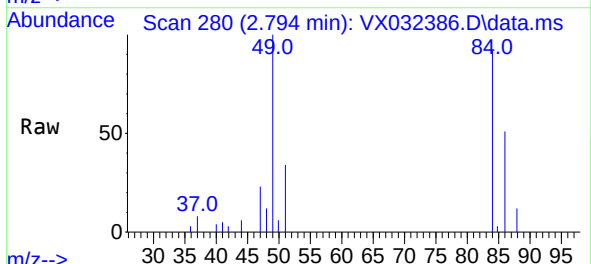
Instrument :
MSVOA_X
ClientSampleId :
PB148552TB

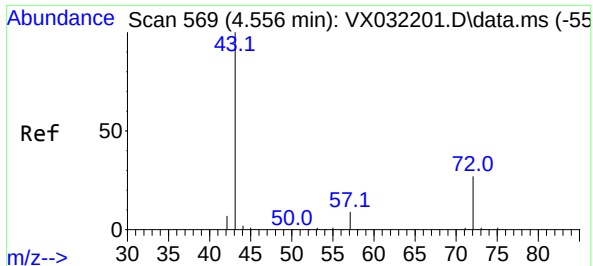
Tgt Ion: 43 Resp: 802
Ion Ratio Lower Upper
43 100
74 15.0 19.8 29.8#



#20
Methylene Chloride
Concen: 5.080 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

Tgt Ion: 84 Resp: 6706
Ion Ratio Lower Upper
84 100
49 109.2 92.6 139.0
51 36.7 29.2 43.8
86 55.6 51.4 77.0

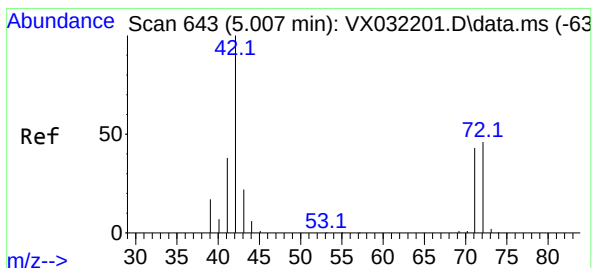
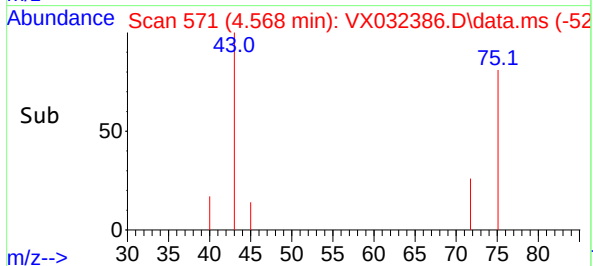
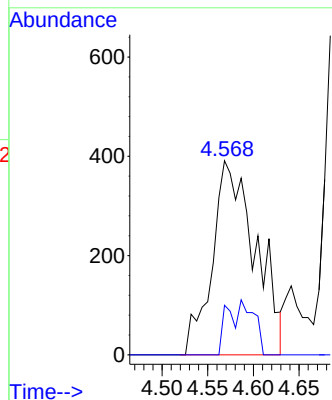
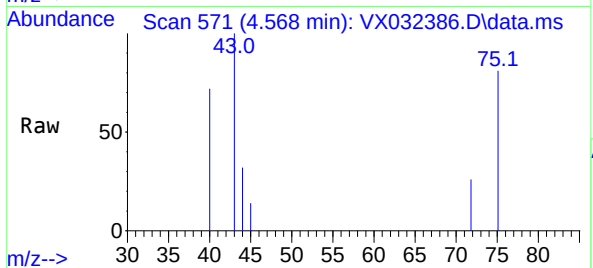




#25
2-Butanone
Concen: 1.603 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

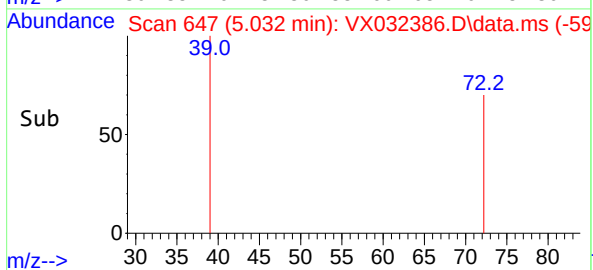
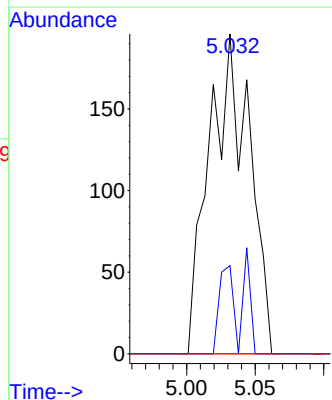
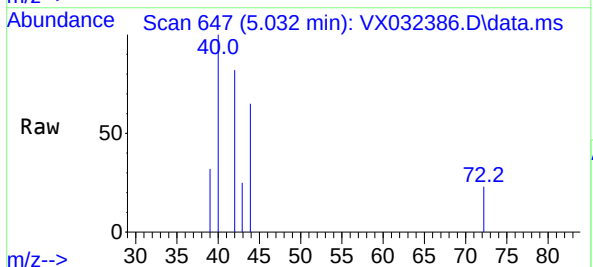
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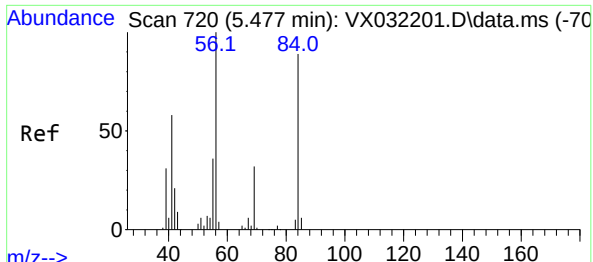
Tgt Ion: 43 Resp: 1287
Ion Ratio Lower Upper
43 100
72 25.6 21.7 32.5



#29
Tetrahydrofuran
Concen: 0.770 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.025 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

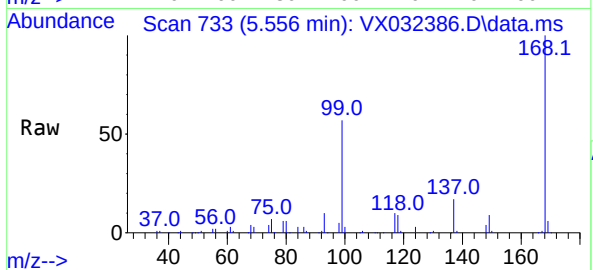
Tgt Ion: 42 Resp: 399
Ion Ratio Lower Upper
42 100
72 9.5 37.5 56.3#
71 0.0 34.7 52.1#



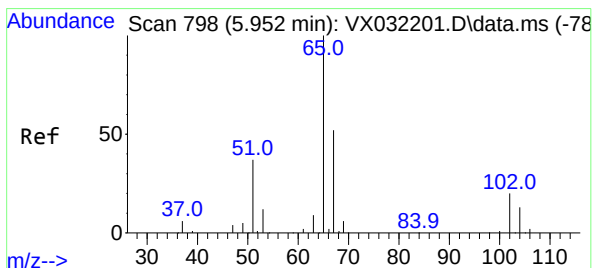
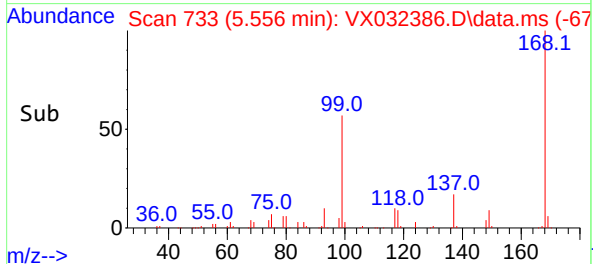
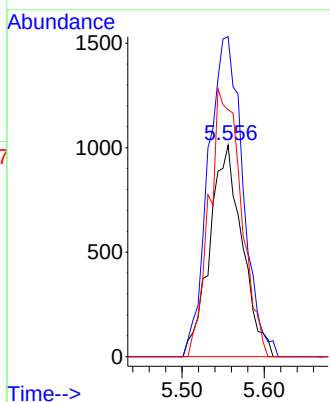


#31
Cyclohexane
Concen: 1.536 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

Instrument :
MSVOA_X
ClientSampleId :
PB148552TB

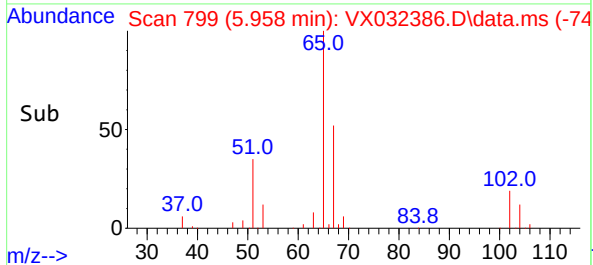
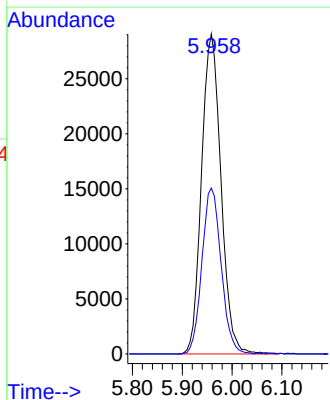
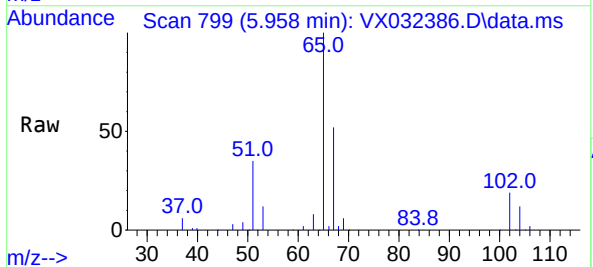


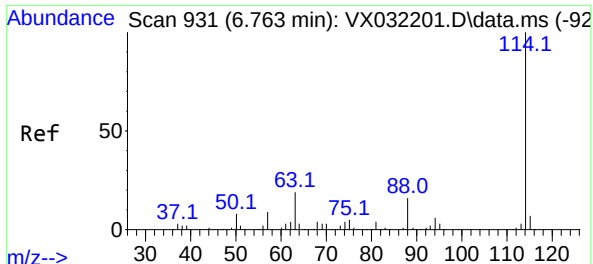
Tgt Ion: 56 Resp: 2781
Ion Ratio Lower Upper
56 100
69 151.3 25.4 38.0#
84 116.7 71.2 106.8#



#33
1,2-Dichloroethane-d4
Concen: 49.706 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

Tgt Ion: 65 Resp: 78746
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.6

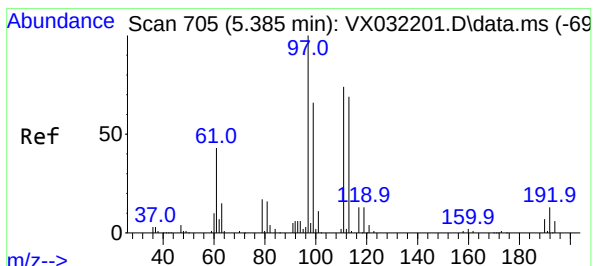
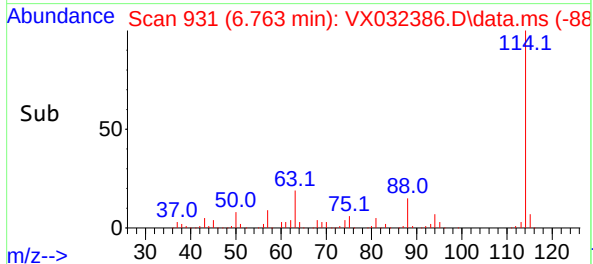
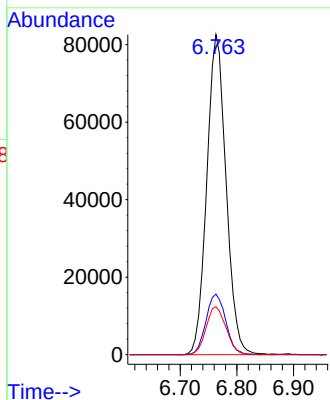
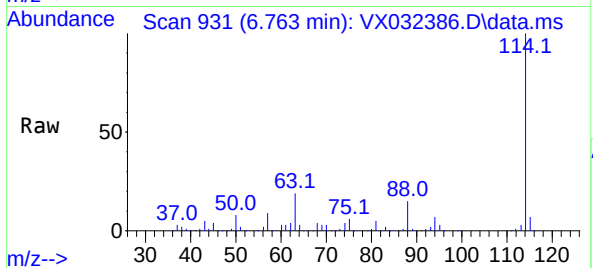




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

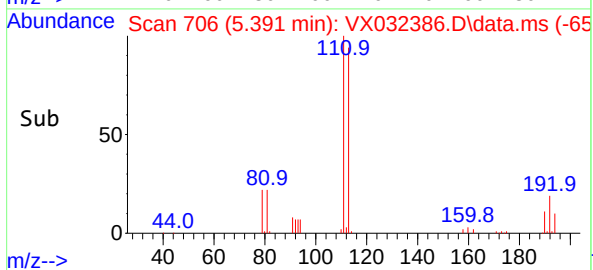
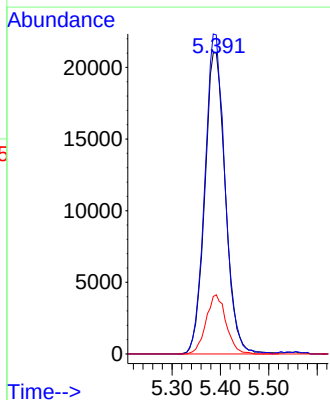
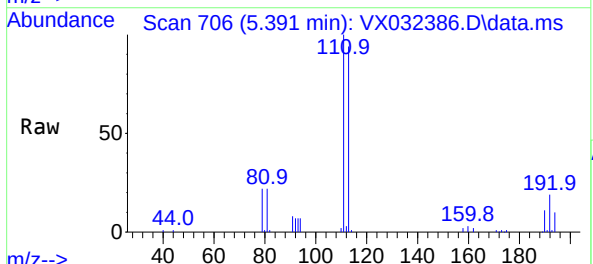
Instrument :
MSVOA_X
ClientSampleId :
PB148552TB

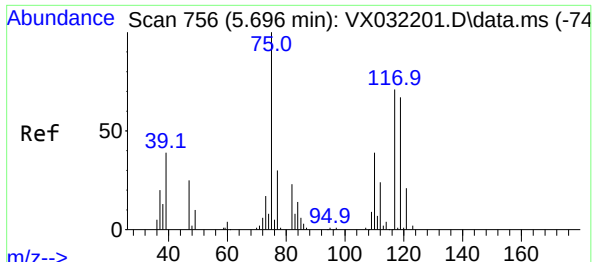
Tgt Ion:114 Resp: 195082
Ion Ratio Lower Upper
114 100
63 19.0 0.0 38.6
88 15.0 0.0 32.6



#35
Dibromofluoromethane
Concen: 45.964 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

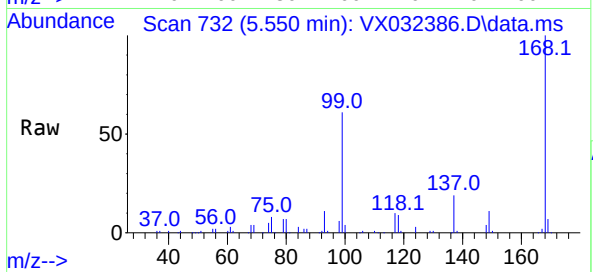
Tgt Ion:113 Resp: 62396
Ion Ratio Lower Upper
113 100
111 103.5 82.8 124.2
192 19.0 15.5 23.3



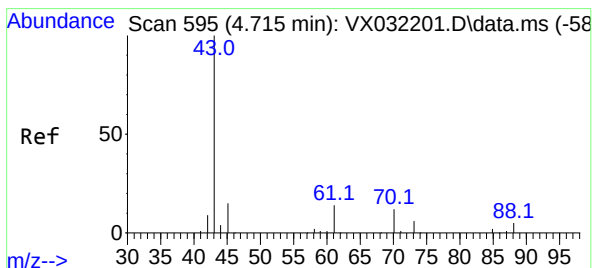
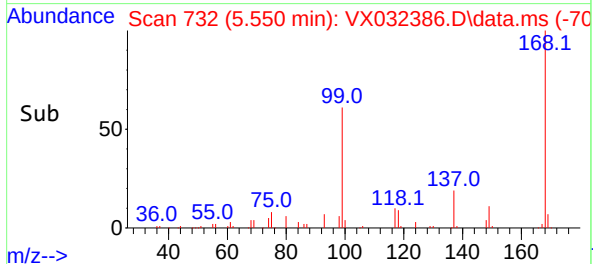
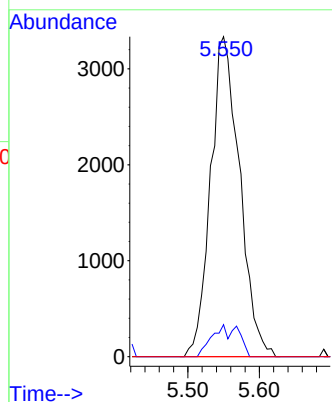


#36
1,1-Dichloropropene
Concen: 5.382 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

Instrument :
MSVOA_X
ClientSampleId :
PB148552TB

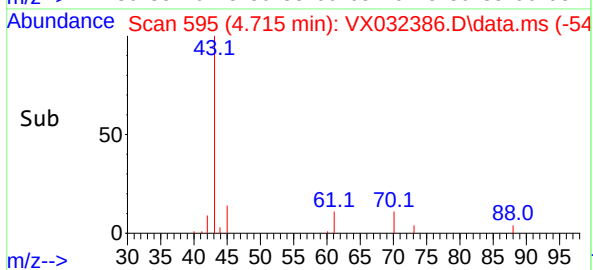
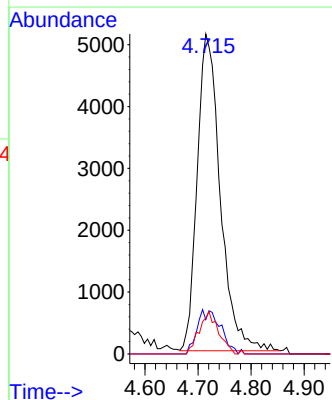
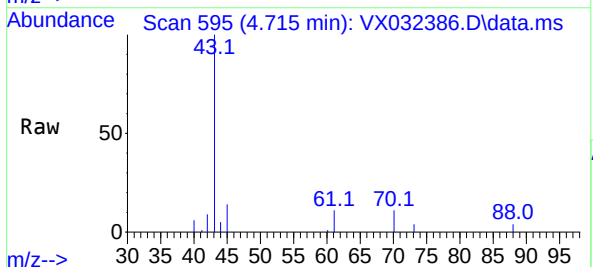


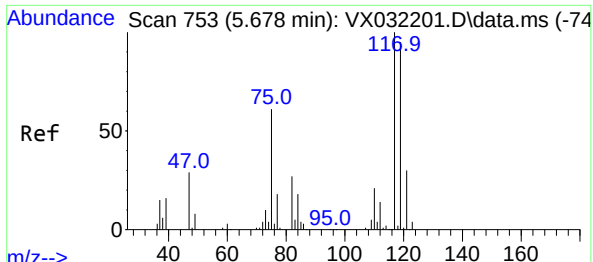
Tgt Ion: 75 Resp: 9398
Ion Ratio Lower Upper
75 100
110 5.5 18.4 55.0#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 9.070 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

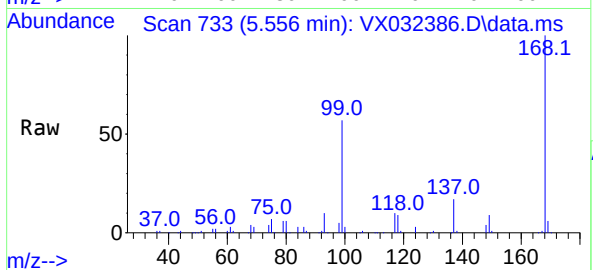
Tgt Ion: 43 Resp: 15507
Ion Ratio Lower Upper
43 100
61 5.9 11.4 17.2#
70 11.2 8.8 13.2



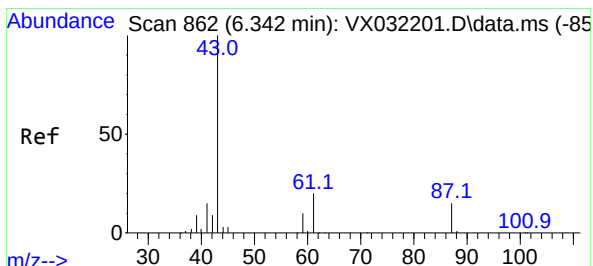
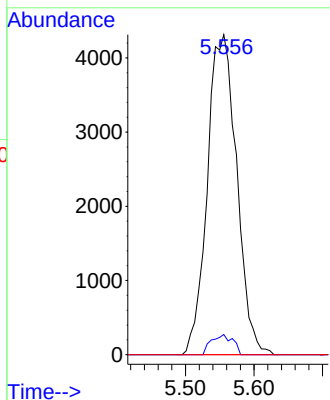
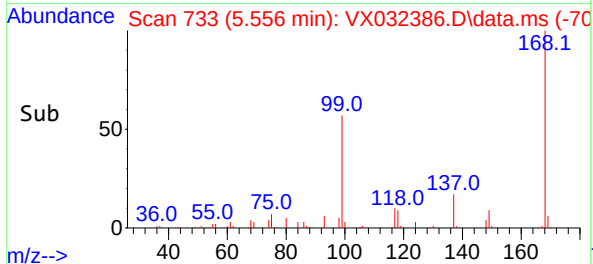


#38
Carbon Tetrachloride
Concen: 6.956 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

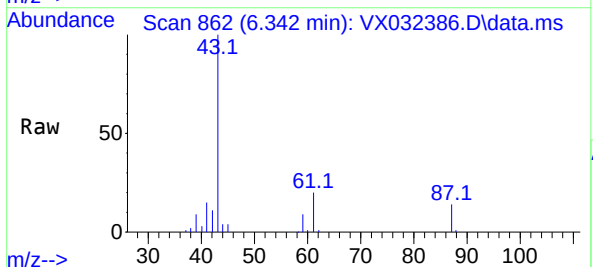
Instrument :
MSVOA_X
ClientSampleId :
PB148552TB



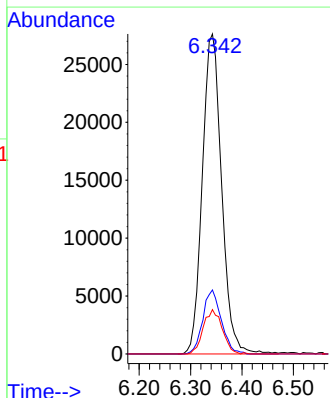
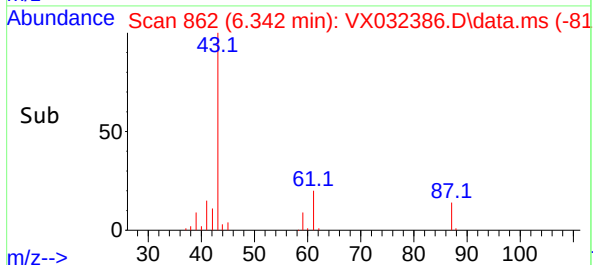
Tgt Ion:117 Resp: 12823
Ion Ratio Lower Upper
117 100
119 6.3 75.4 113.0#
121 0.0 23.9 35.9#

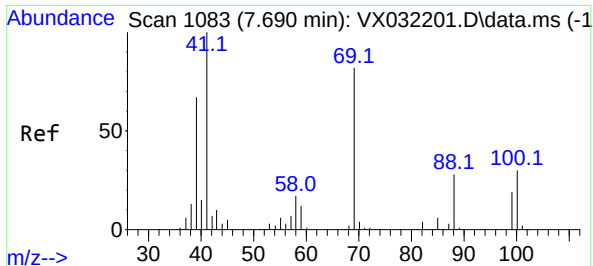


#43
Isopropyl Acetate
Concen: 26.837 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09



Tgt Ion: 43 Resp: 72018
Ion Ratio Lower Upper
43 100
61 19.2 15.5 23.3
87 13.6 11.0 16.6





#48

Methyl methacrylate

Concen: 51.561 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.109 min

Lab File: VX032386.D

Acq: 26 Oct 2022 00:09

Instrument :

MSVOA_X

ClientSampleId :

PB148552TB

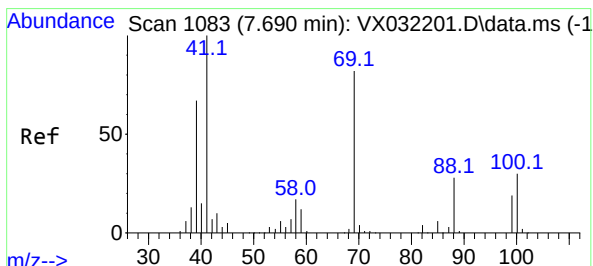
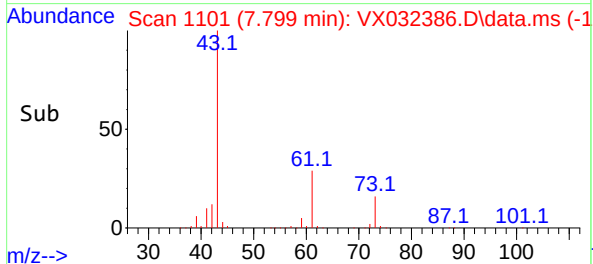
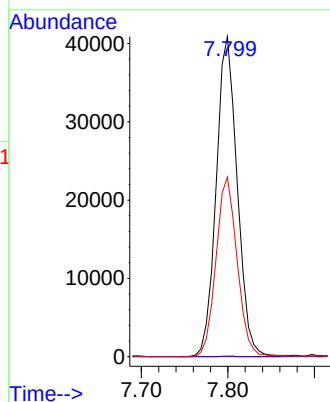
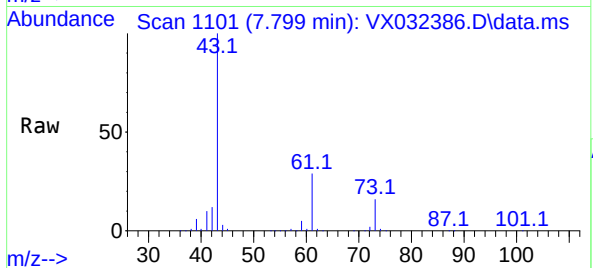
Tgt Ion: 41 Resp: 69005

Ion Ratio Lower Upper

41 100

69 0.1 67.3 100.9#

39 56.4 53.8 80.8



#49

1,4-Dioxane

Concen: 4.877 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.115 min

Lab File: VX032386.D

Acq: 26 Oct 2022 00:09

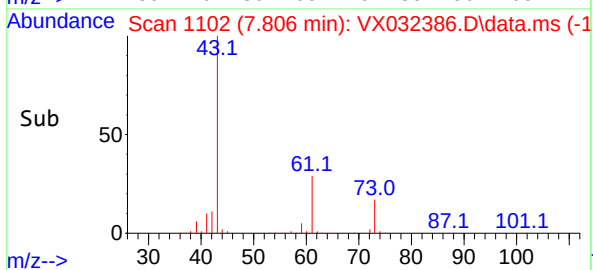
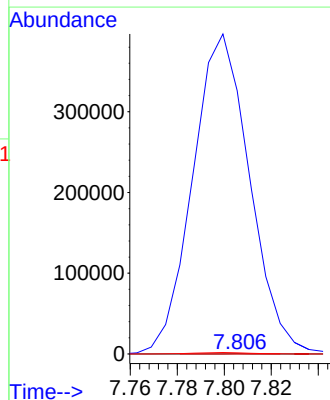
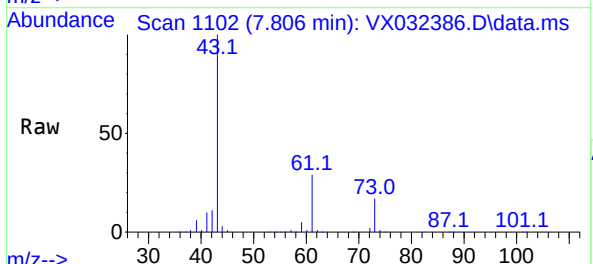
Tgt Ion: 88 Resp: 131

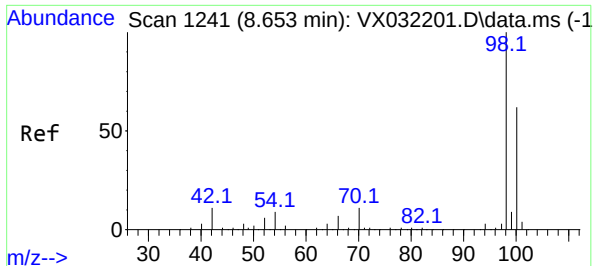
Ion Ratio Lower Upper

88 100

43 513920.6 26.9 40.3#

58 2198.5 50.7 76.1#





#50

Toluene-d8

Concen: 47.547 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX032386.D

Acq: 26 Oct 2022 00:09

Instrument :

MSVOA_X

ClientSampleId :

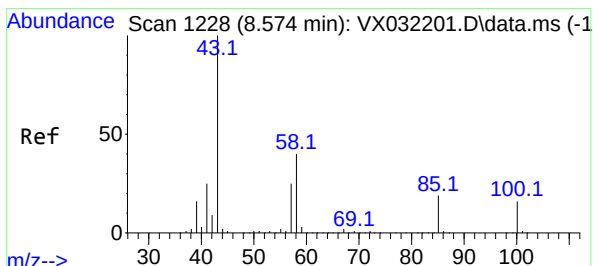
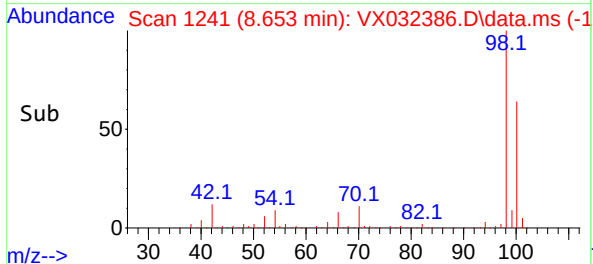
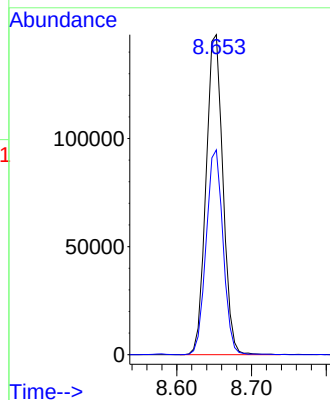
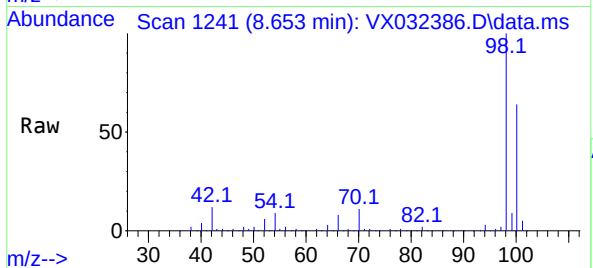
PB148552TB

Tgt Ion: 98 Resp: 232344

Ion Ratio Lower Upper

98 100

100 64.1 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 36.714 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.025 min

Lab File: VX032386.D

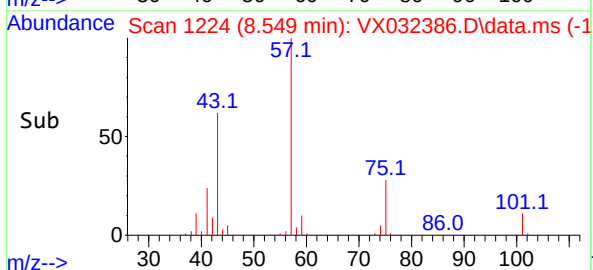
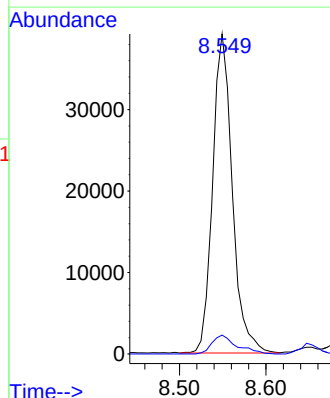
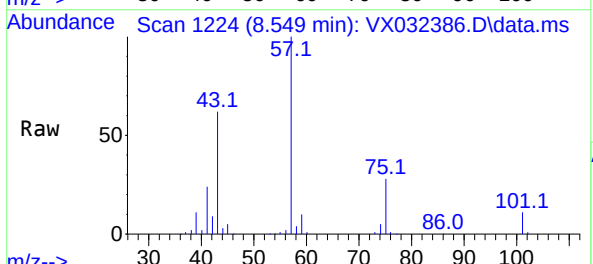
Acq: 26 Oct 2022 00:09

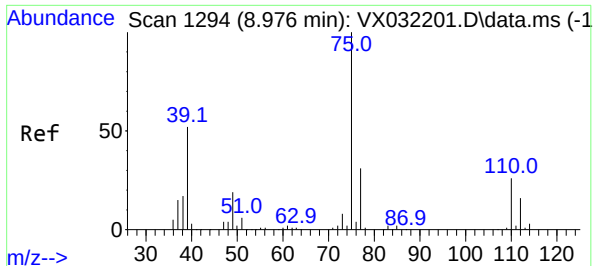
Tgt Ion: 43 Resp: 61758

Ion Ratio Lower Upper

43 100

58 7.4 31.0 46.4#





#53

t-1,3-Dichloropropene

Concen: 2.109 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX032386.D

Acq: 26 Oct 2022 00:09

Instrument :

MSVOA_X

ClientSampleId :

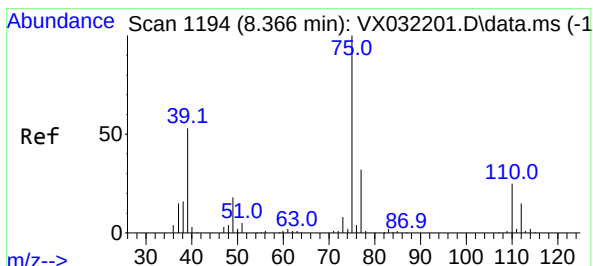
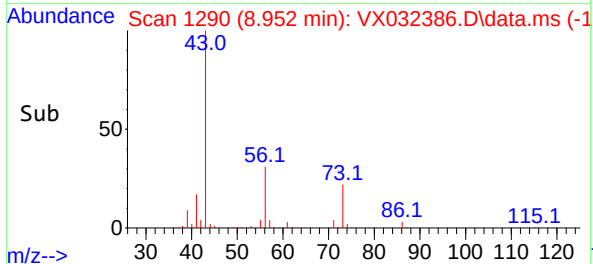
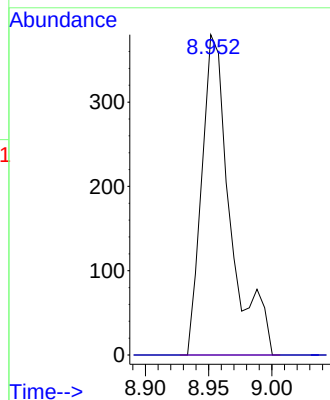
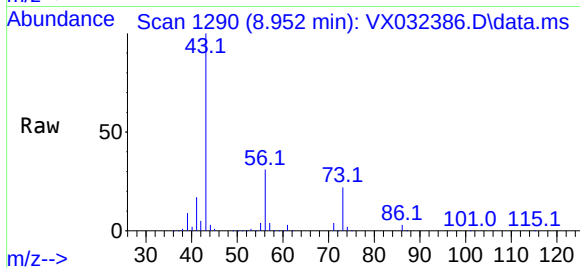
PB148552TB

Tgt Ion: 75 Resp: 597

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#



#54

cis-1,3-Dichloropropene

Concen: 13.965 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX032386.D

Acq: 26 Oct 2022 00:09

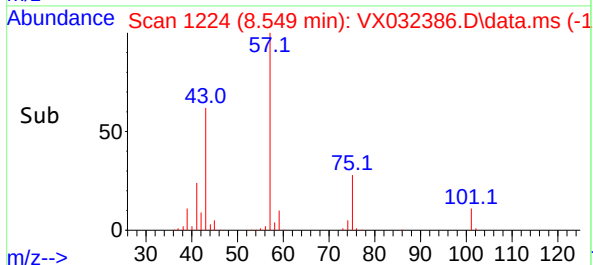
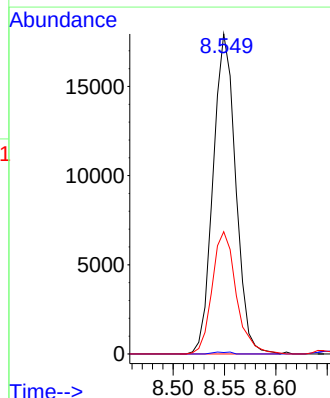
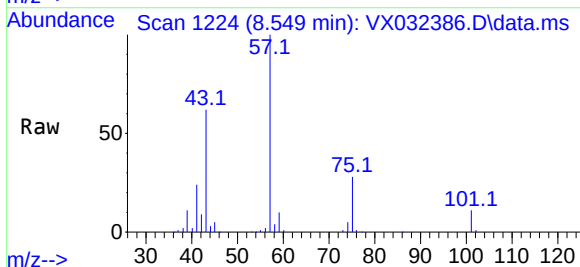
Tgt Ion: 75 Resp: 27373

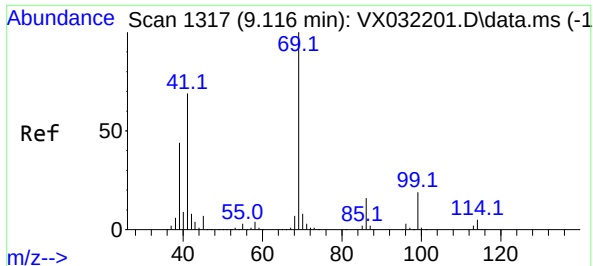
Ion Ratio Lower Upper

75 100

77 0.5 25.3 37.9#

39 38.2 42.4 63.6#





#56

Ethyl methacrylate

Concen: 0.253 ug/l

RT: 9.250 min Scan# 11

Delta R.T. 0.134 min

Lab File: VX032386.D

Acq: 26 Oct 2022 00:09

Instrument :

MSVOA_X

ClientSampleId :

PB148552TB

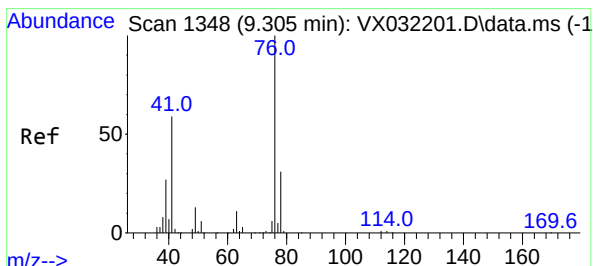
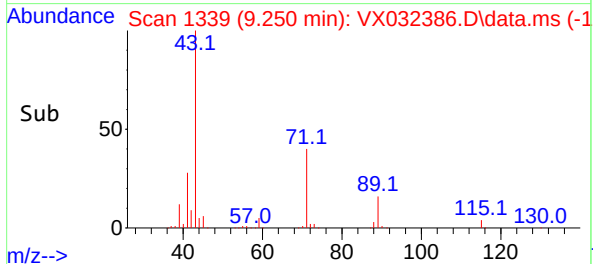
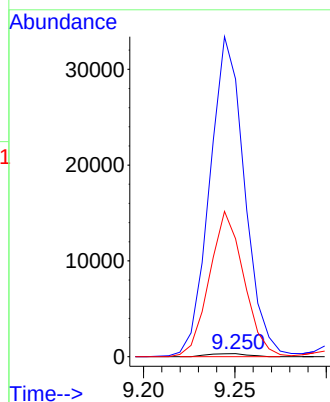
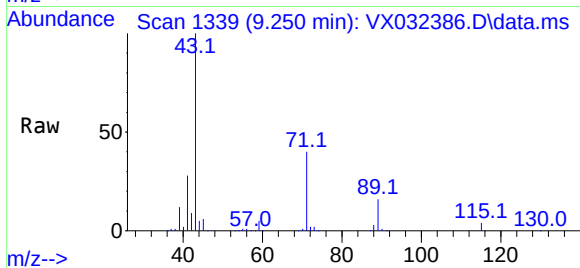
Tgt Ion: 69 Resp: 485

Ion Ratio Lower Upper

69 100

41 9204.7 54.5 81.7#

39 4118.8 35.7 53.5#



#57

1,3-Dichloropropane

Concen: 1.642 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX032386.D

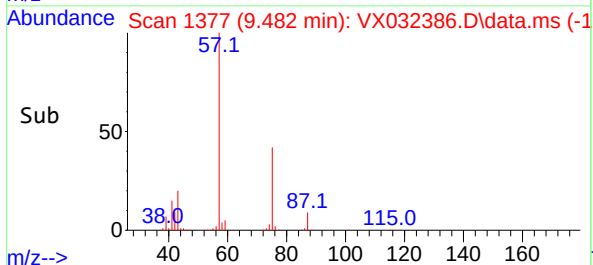
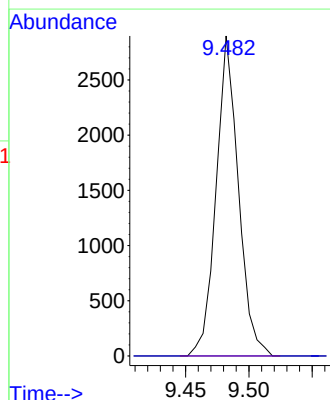
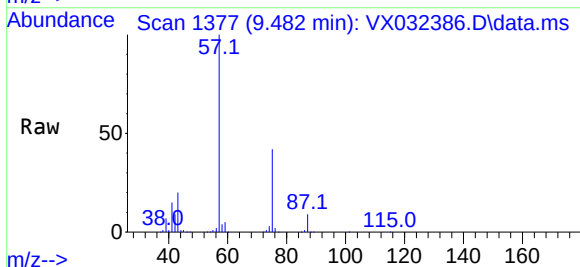
Acq: 26 Oct 2022 00:09

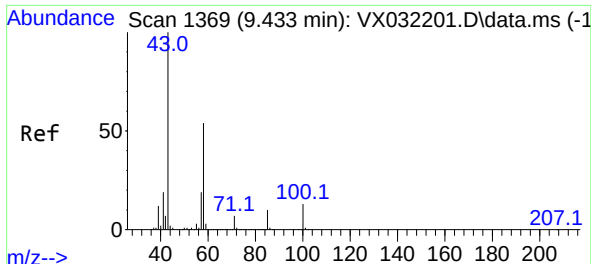
Tgt Ion: 76 Resp: 3542

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#

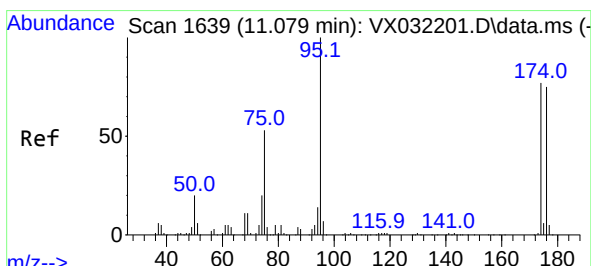
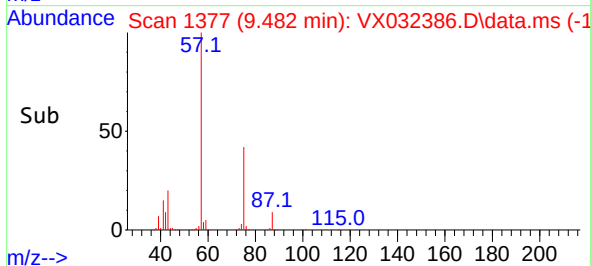
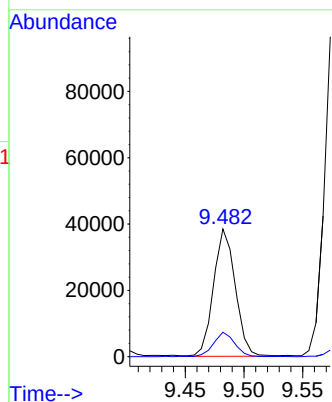
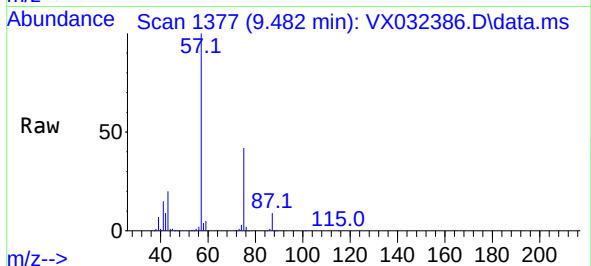




#59
2-Hexanone
Concen: 39.539 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

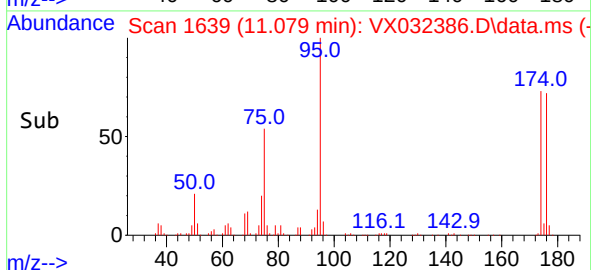
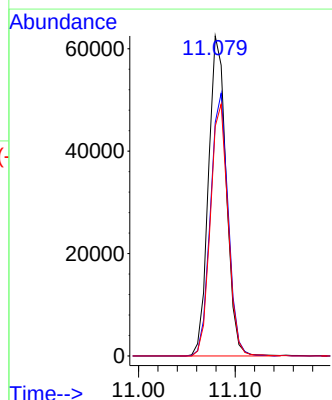
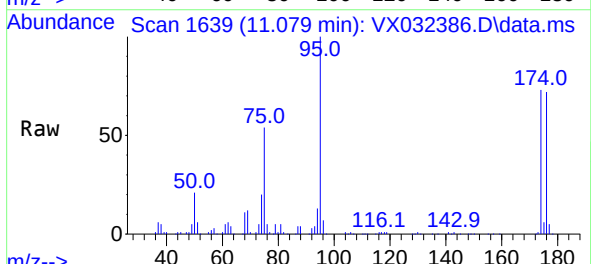
Instrument :
MSVOA_X
ClientSampleId :
PB148552TB

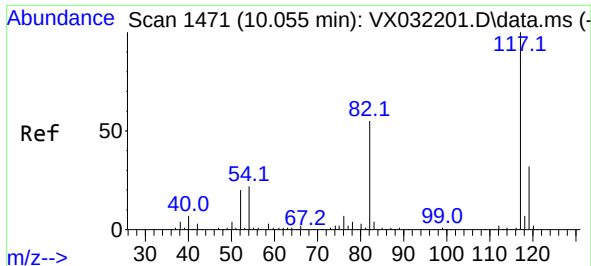
Tgt Ion: 43 Resp: 49628
Ion Ratio Lower Upper
43 100
58 18.9 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 44.432 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

Tgt Ion: 95 Resp: 79506
Ion Ratio Lower Upper
95 100
174 81.9 0.0 166.8
176 78.3 0.0 161.4

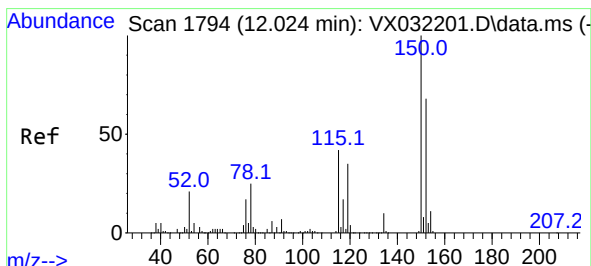
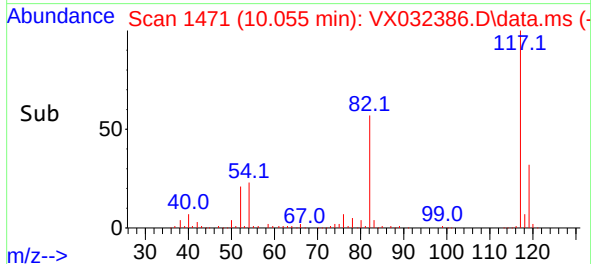
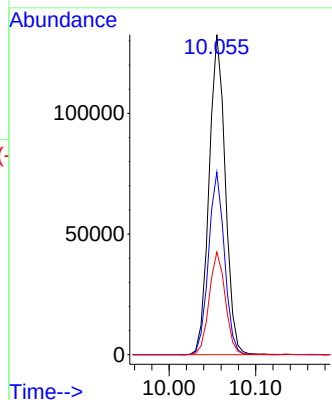
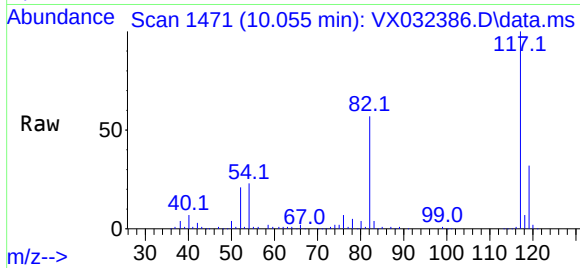




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

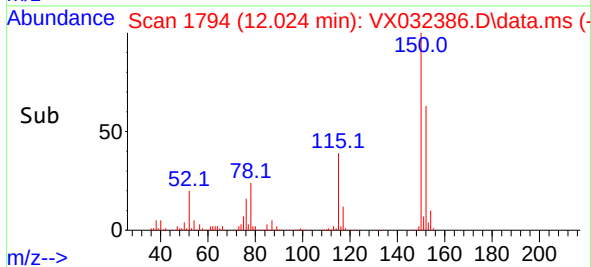
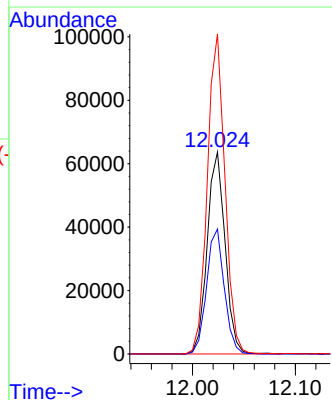
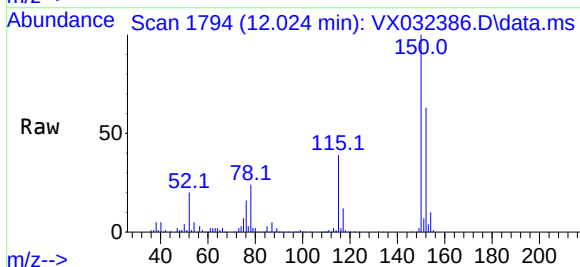
Instrument :
MSVOA_X
ClientSampleId :
PB148552TB

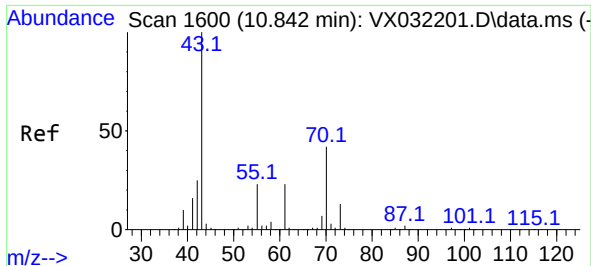
Tgt Ion:117 Resp: 172016
Ion Ratio Lower Upper
117 100
82 57.0 44.2 66.4
119 32.0 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

Tgt Ion:152 Resp: 76958
Ion Ratio Lower Upper
152 100
115 61.4 43.1 129.4
150 156.2 0.0 348.6

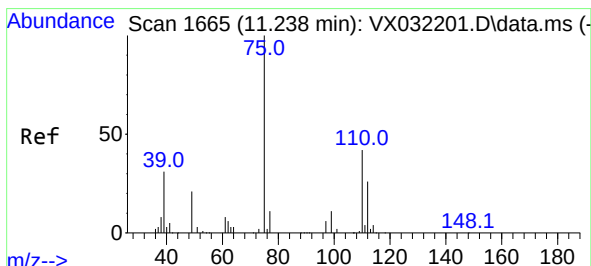
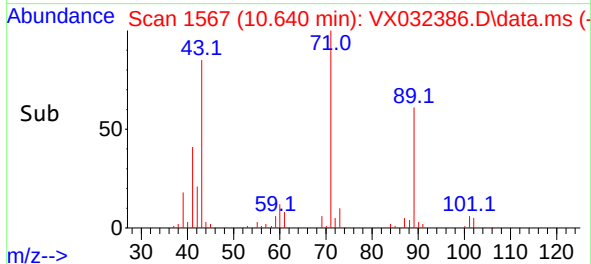
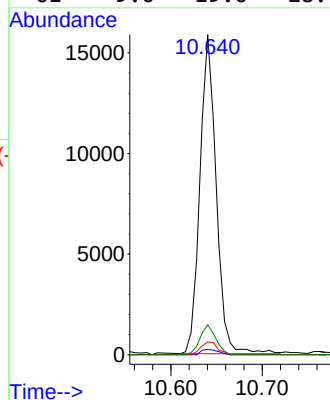
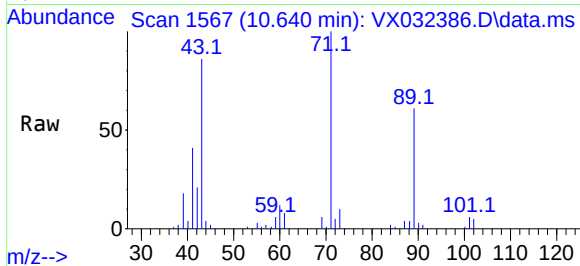




#74
N-amy1 acetate
Concen: 9.710 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.202 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

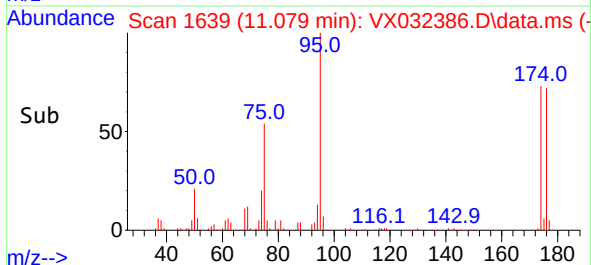
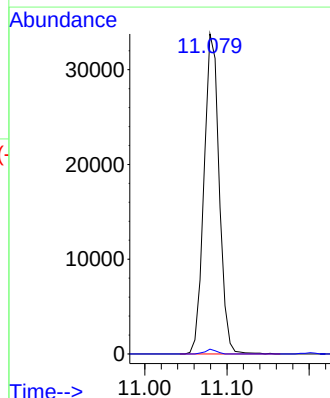
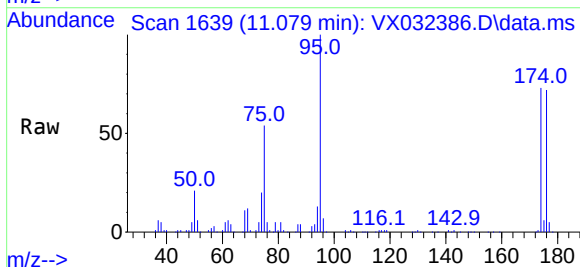
Instrument :
MSVOA_X
ClientSampleId :
PB148552TB

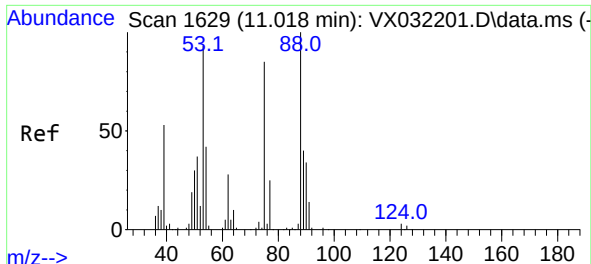
Tgt Ion: 43	Resp: 19698
Ion Ratio	Lower Upper
43	100
70	1.7 33.9 50.9#
55	4.1 19.1 28.7#
61	9.0 19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 28.437 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

Tgt Ion: 75	Resp: 43362
Ion Ratio	Lower Upper
75	100
77	1.1 16.0 47.9#

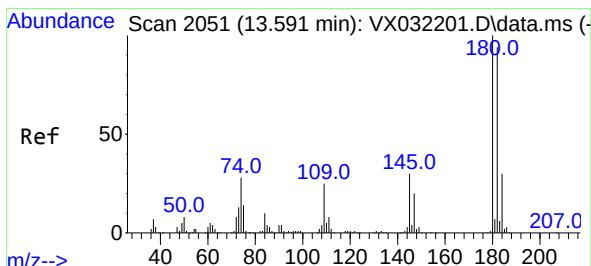
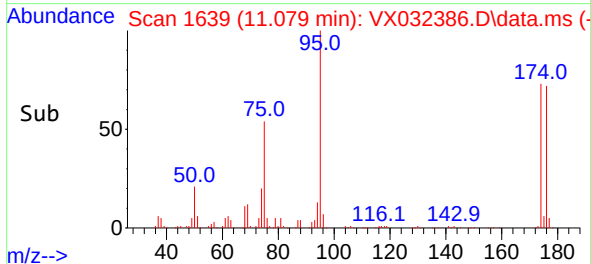
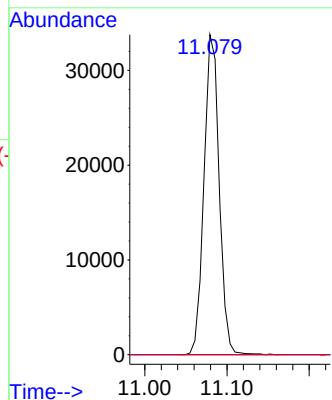
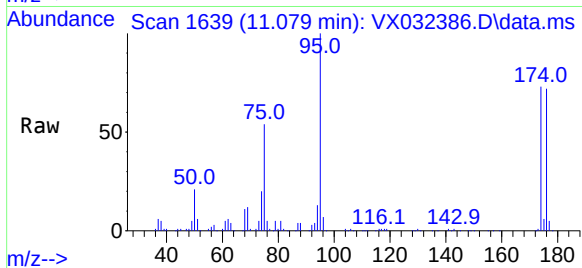




#81
trans-1,4-Dichloro-2-butene
Concen: 87.166 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

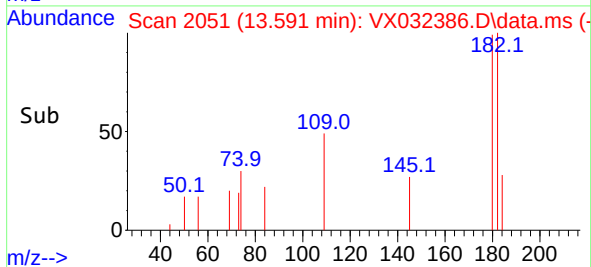
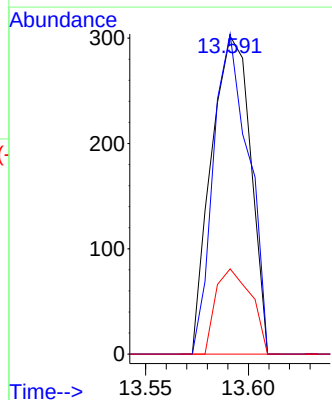
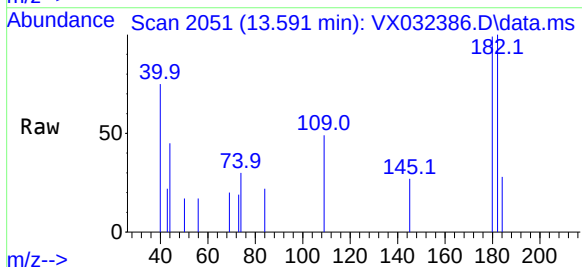
Instrument :
MSVOA_X
ClientSampleId :
PB148552TB

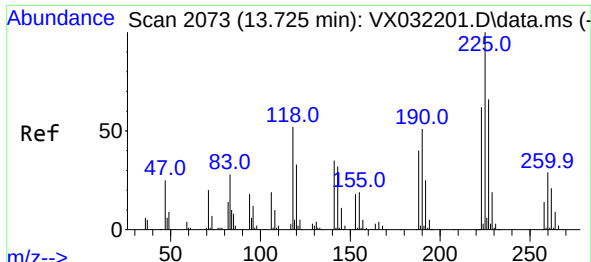
Tgt Ion: 75 Resp: 43362
Ion Ratio Lower Upper
75 100
53 0.0 87.8 131.8#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.242 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.000 min
Lab File: VX032386.D
Acq: 26 Oct 2022 00:09

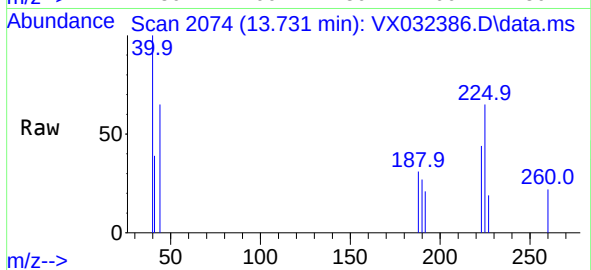
Tgt Ion:180 Resp: 401
Ion Ratio Lower Upper
180 100
182 90.5 46.8 140.3
145 24.2 15.6 46.7





#94
 Hexachlorobutadiene
 Concen: 0.292 ug/l
 RT: 13.731 min Scan# 2074
 Delta R.T. 0.006 min
 Lab File: VX032386.D
 Acq: 26 Oct 2022 00:09

Instrument :
 MSVOA_X
 ClientSampleId :
 PB148552TB



Tgt Ion:	225	Resp:	210
Ion	Ratio	Lower	Upper
225	100		
223	43.3	31.4	94.3
227	70.5	32.0	96.0

