

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120522\
 Data File : VX033233.D
 Acq On : 05 Dec 2022 18:09
 Operator : JC/MD
 Sample : PB149407ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149407ZHE#08

Quant Time: Dec 06 06:00:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 22 13:58:46 2022
 Response via : Initial Calibration

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

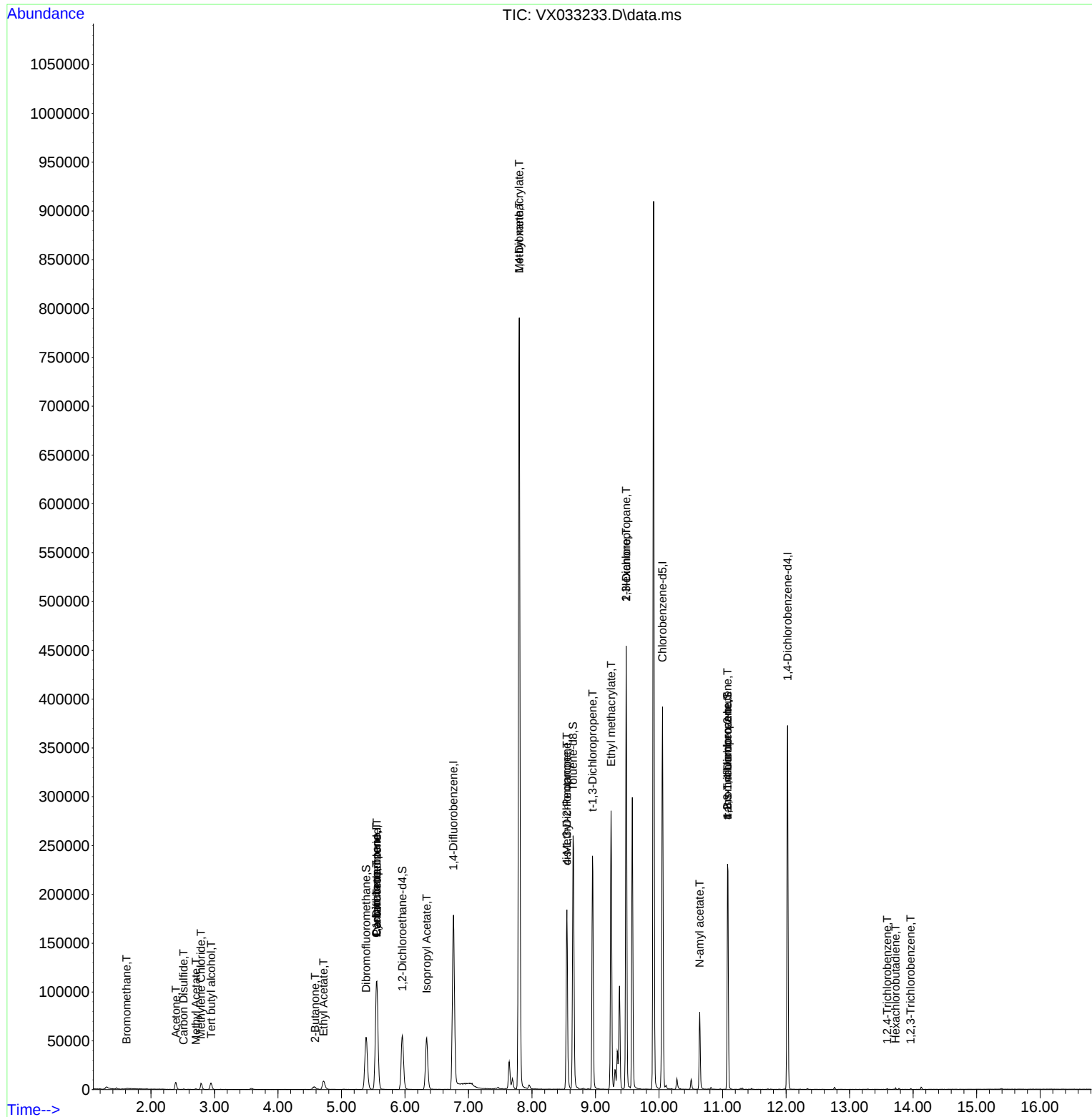
Internal Standards						
1) Pentafluorobenzene	5.556	168	108348	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	178394	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	169737	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	75878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	55941	53.028	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.060%			
35) Dibromofluoromethane	5.385	113	47629	47.358	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.720%			
50) Toluene-d8	8.647	98	156941	51.948	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.900%			
62) 4-Bromofluorobenzene	11.079	95	59267	44.861	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.720%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	153	0.207	ug/l #	53
11) Tert butyl alcohol	2.946	59	4046	24.190	ug/l #	72
16) Acetone	2.392	43	9371	19.017	ug/l	95
17) Carbon Disulfide	2.514	76	573	0.219	ug/l #	74
18) Methyl Acetate	2.709	43	898	0.658	ug/l #	76
20) Methylene Chloride	2.788	84	3019	1.691	ug/l #	83
25) 2-Butanone	4.586	43	1198	1.763	ug/l	94
31) Cyclohexane	5.550	56	2160	1.263	ug/l #	23
36) 1,1-Dichloropropene	5.550	75	8369	5.204	ug/l #	49
37) Ethyl Acetate	4.714	43	15531	11.070	ug/l	99
38) Carbon Tetrachloride	5.556	117	11360	6.368	ug/l #	17
43) Isopropyl Acetate	6.342	43	71178	30.677	ug/l	99
48) Methyl methacrylate	7.799	41	69691	58.352	ug/l #	43
49) 1,4-Dioxane	7.799	88	72	3.275	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	62322	43.529	ug/l #	48
53) t-1,3-Dichloropropene	8.951	75	595	1.837	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	28147	15.541	ug/l #	61
56) Ethyl methacrylate	9.244	69	616	0.370	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3787	1.942	ug/l #	42
59) 2-Hexanone	9.482	43	53316	50.410	ug/l #	52
74) N-amyl acetate	10.640	43	19328	10.479	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	31831	22.151	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	31831	72.001	ug/l #	6
93) 1,2,4-Trichlorobenzene	13.591	180	318	0.212	ug/l	96
94) Hexachlorobutadiene	13.725	225	266	0.402	ug/l	92
96) 1,2,3-Trichlorobenzene	13.963	180	311	0.207	ug/l	83

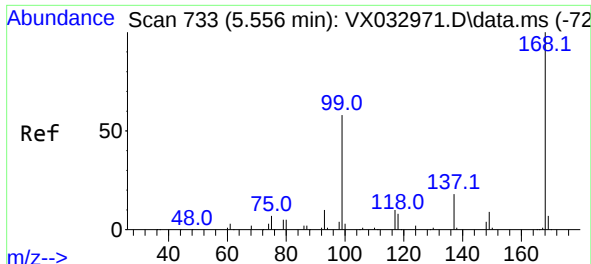
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120522\
Data File : VX033233.D
Acq On : 05 Dec 2022 18:09
Operator : JC/MD
Sample : PB149407ZHE#08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#08

Quant Time: Dec 06 06:00:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112222W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 22 13:58:46 2022
Response via : Initial Calibration

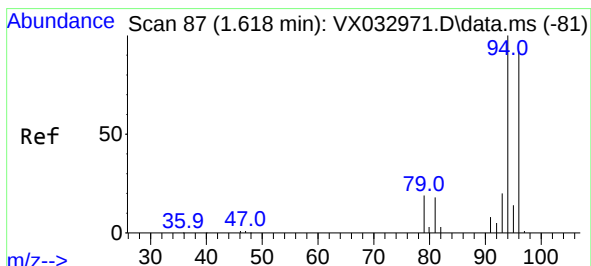
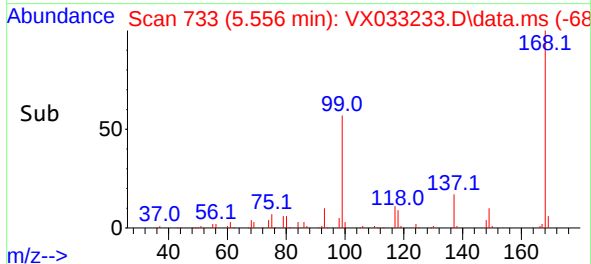
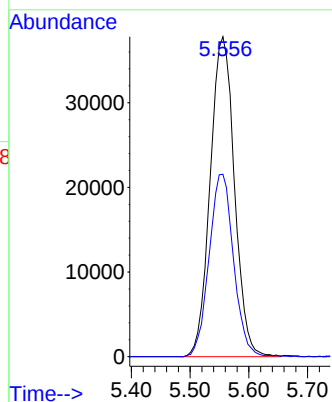
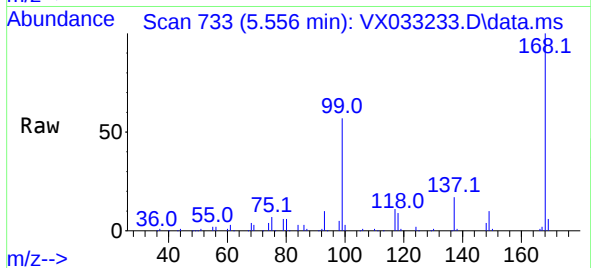




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

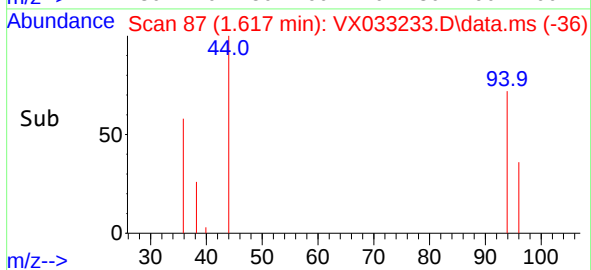
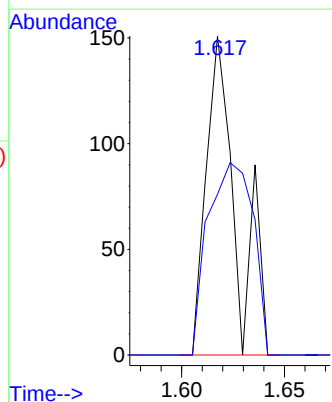
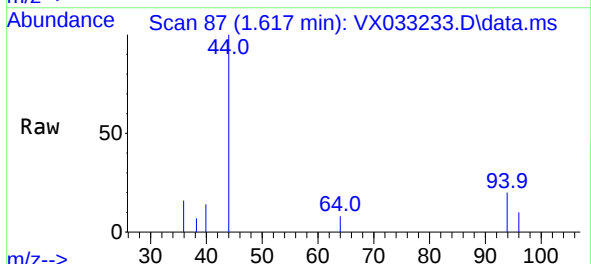
Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#08

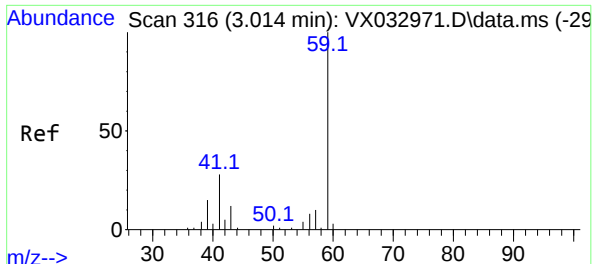
Tgt Ion:168 Resp: 108348
Ion Ratio Lower Upper
168 100
99 57.0 46.1 69.1



#5
Bromomethane
Concen: 0.207 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.012 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

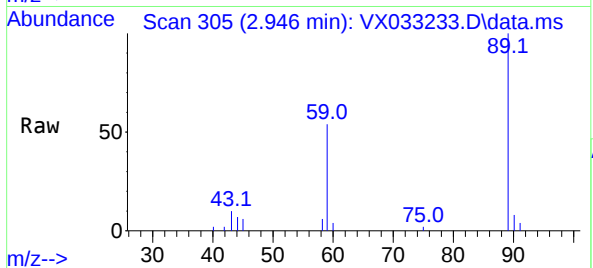
Tgt Ion: 94 Resp: 153
Ion Ratio Lower Upper
94 100
96 50.3 77.6 116.4#



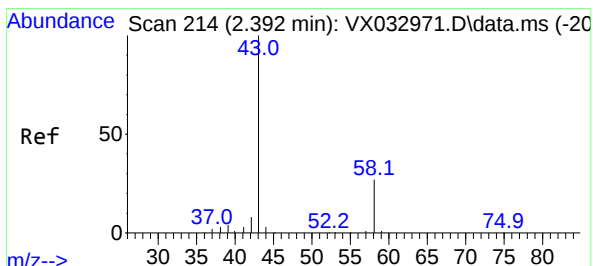
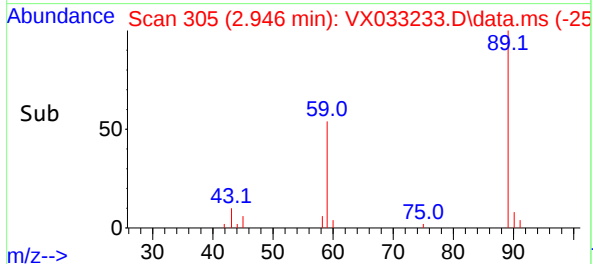
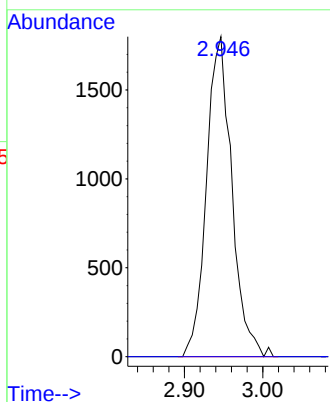


#11
Tert butyl alcohol
Concen: 24.190 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.019 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#08

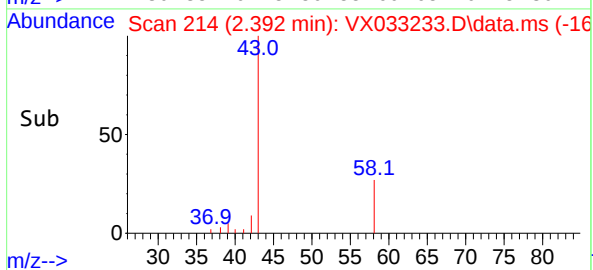
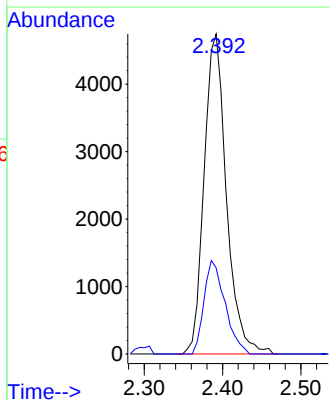
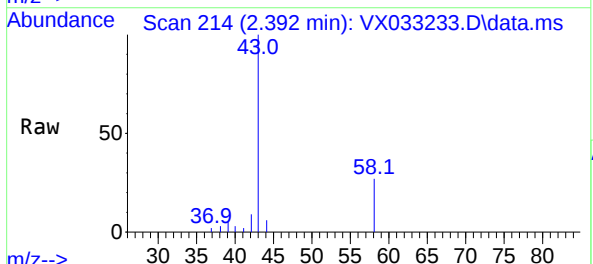


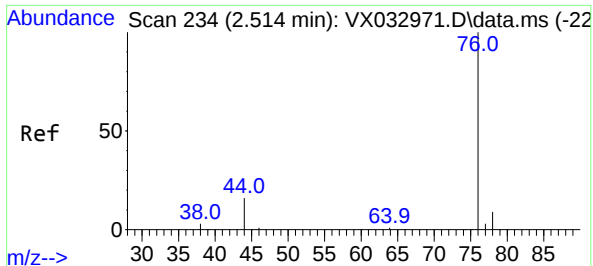
Tgt Ion: 59 Resp: 4046
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 19.017 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

Tgt Ion: 43 Resp: 9371
Ion Ratio Lower Upper
43 100
58 26.9 23.8 35.8

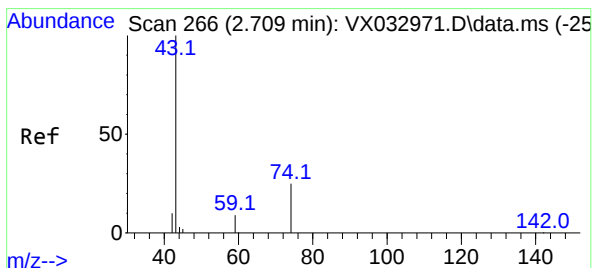
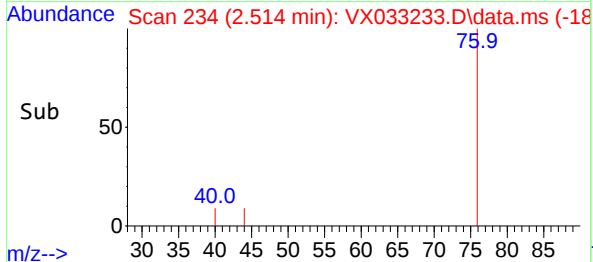
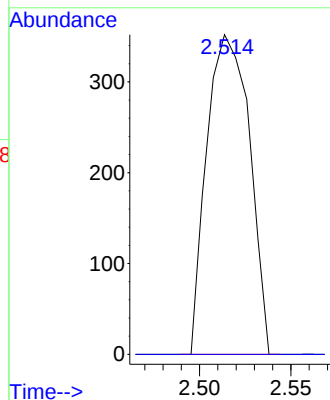
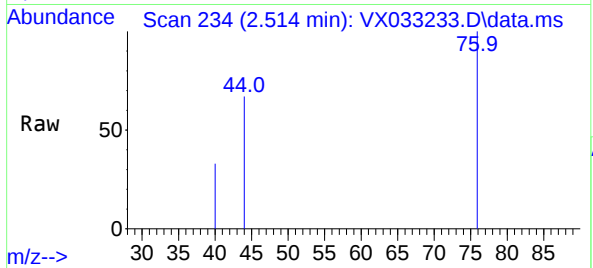




#17
Carbon Disulfide
Concen: 0.219 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

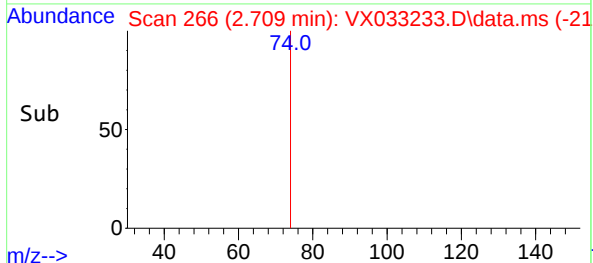
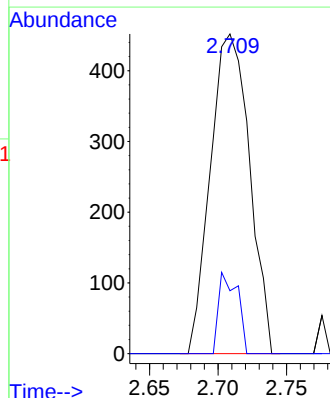
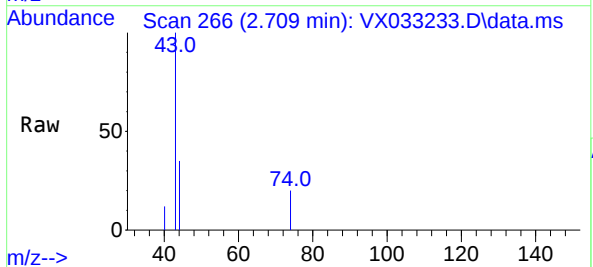
Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#08

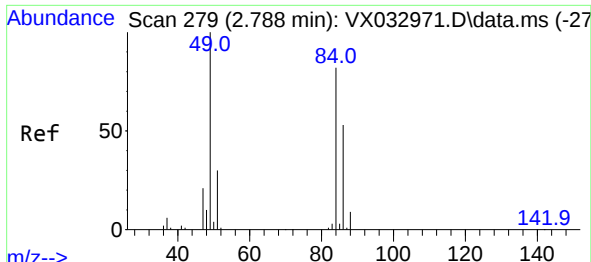
Tgt Ion: 76 Resp: 573
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#18
Methyl Acetate
Concen: 0.658 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

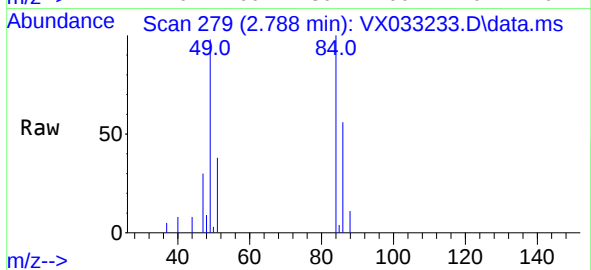
Tgt Ion: 43 Resp: 898
Ion Ratio Lower Upper
43 100
74 12.2 19.4 29.0#





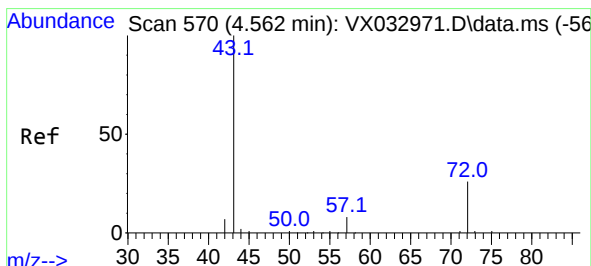
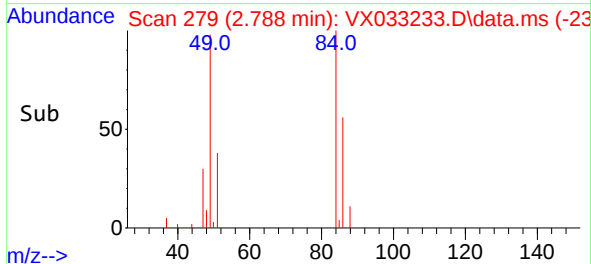
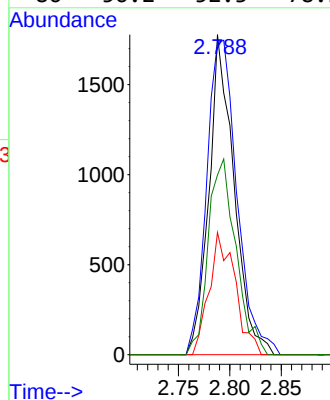
#20
Methylene Chloride
Concen: 1.691 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#08



Tgt Ion: 84 Resp: 3019

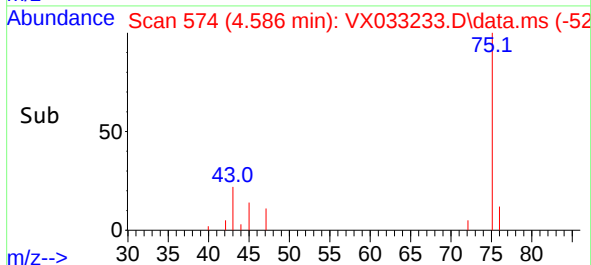
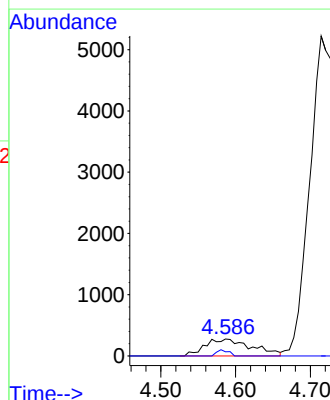
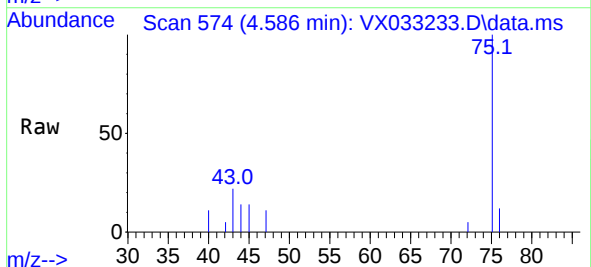
Ion	Ratio	Lower	Upper
84	100		
49	97.5	101.0	151.6#
51	38.2	31.1	46.7
86	56.2	52.3	78.5

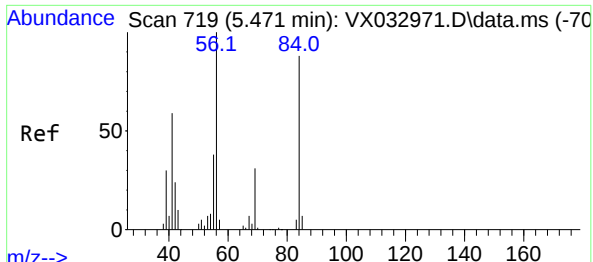


#25
2-Butanone
Concen: 1.763 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

Tgt Ion: 43 Resp: 1198

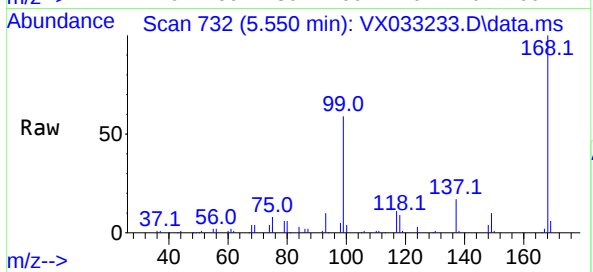
Ion	Ratio	Lower	Upper
43	100		
72	24.6	22.2	33.2



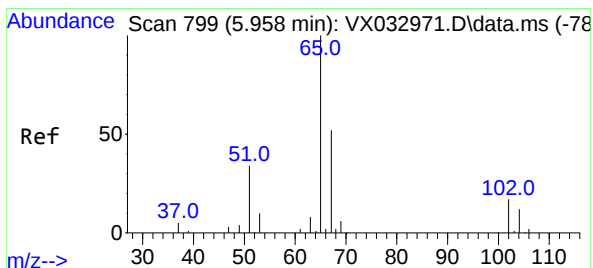
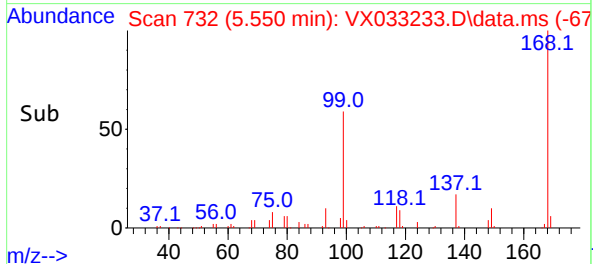
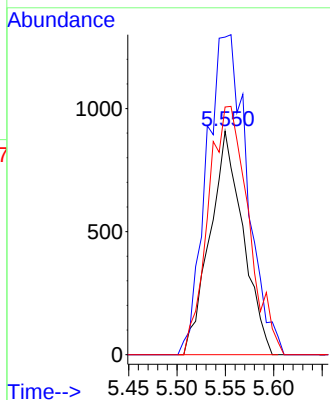


#31
Cyclohexane
Concen: 1.263 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#08

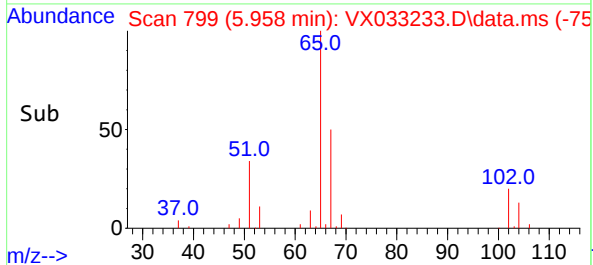
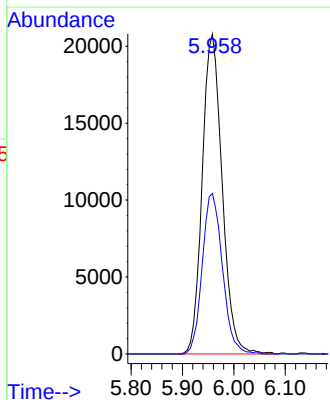
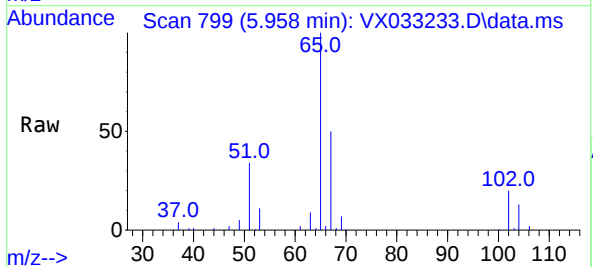


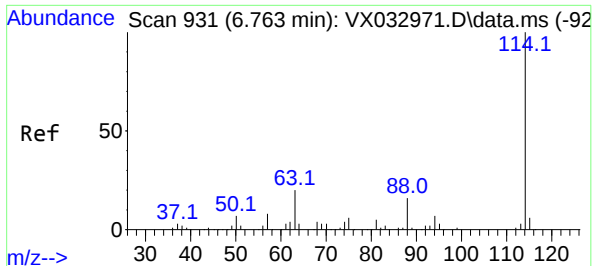
Tgt Ion: 56 Resp: 2160
Ion Ratio Lower Upper
56 100
69 142.1 24.1 36.1#
84 110.8 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 53.028 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

Tgt Ion: 65 Resp: 55941
Ion Ratio Lower Upper
65 100
67 50.8 0.0 101.8

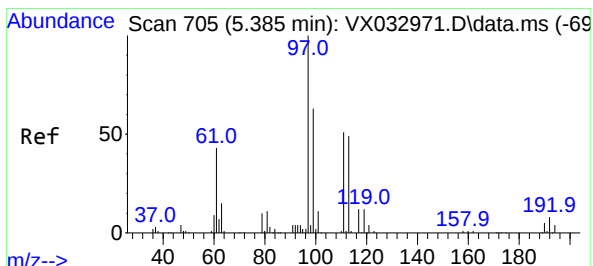
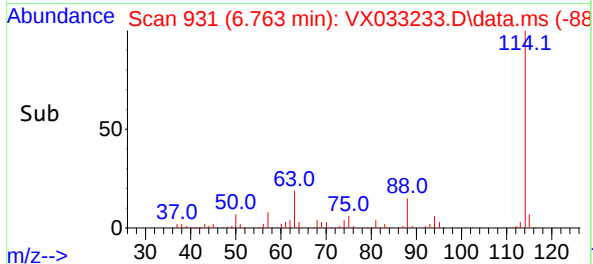
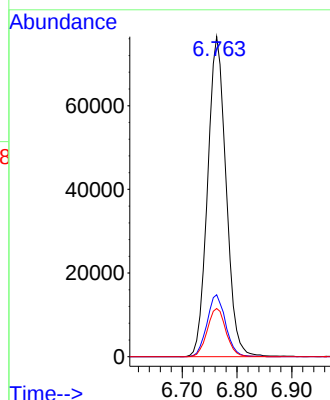
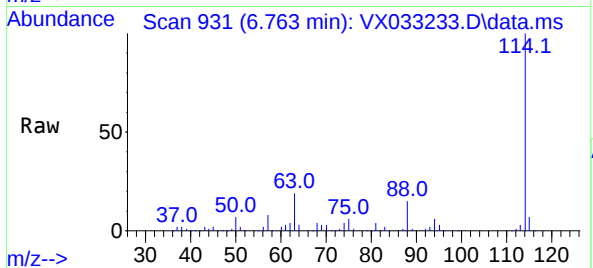




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

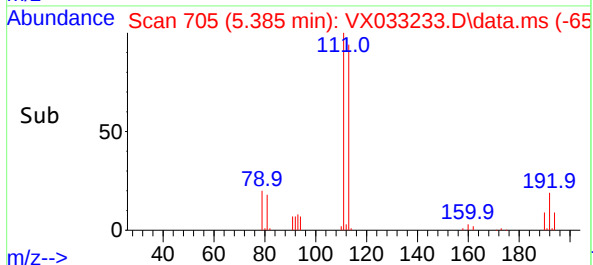
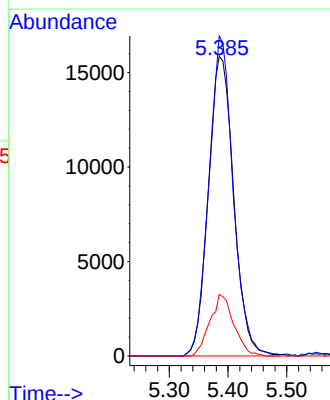
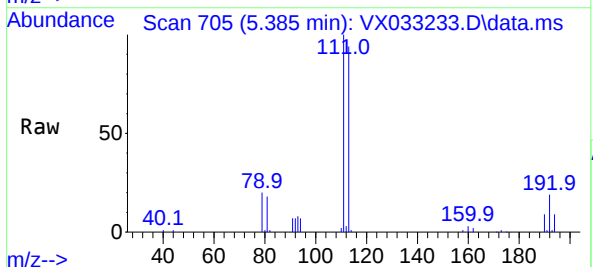
Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#08

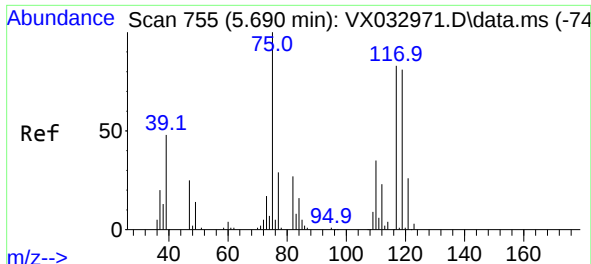
Tgt Ion:114 Resp: 178394
Ion Ratio Lower Upper
114 100
63 19.4 0.0 41.6
88 15.1 0.0 33.4



#35
Dibromofluoromethane
Concen: 47.358 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

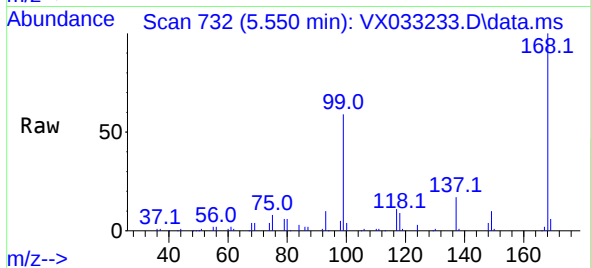
Tgt Ion:113 Resp: 47629
Ion Ratio Lower Upper
113 100
111 101.5 82.4 123.6
192 19.2 15.4 23.2



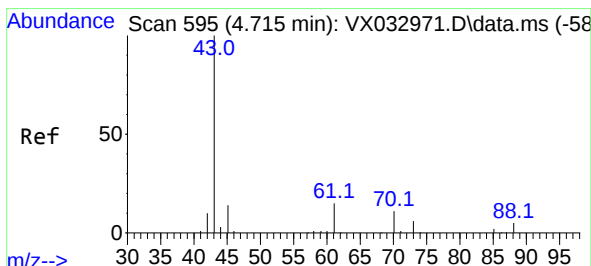
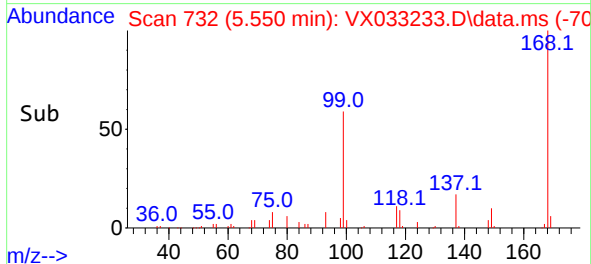
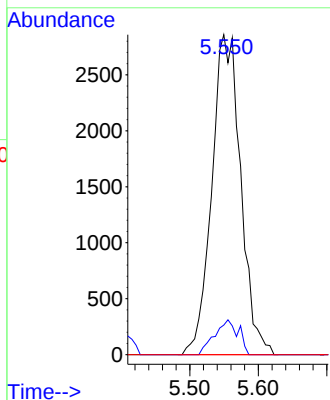


#36
1,1-Dichloropropene
Concen: 5.204 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#08

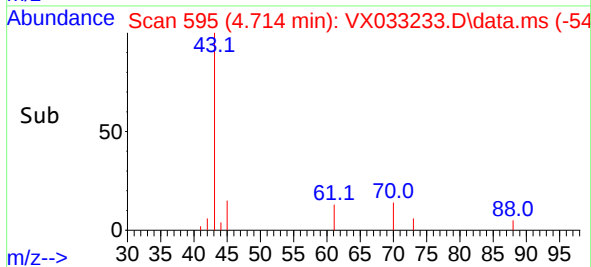
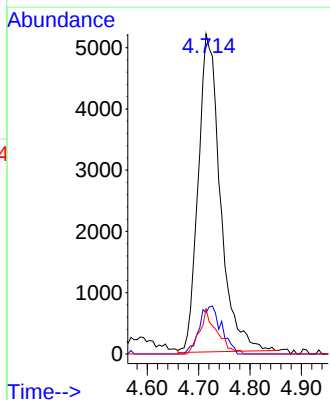
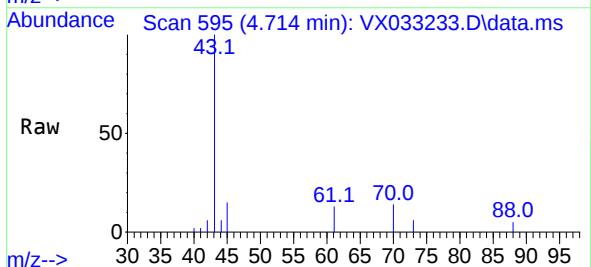


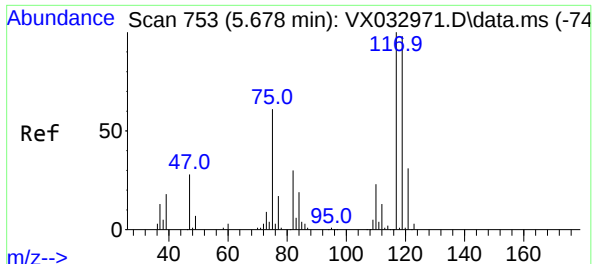
Tgt Ion: 75 Resp: 8369
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.5 36.7#



#37
Ethyl Acetate
Concen: 11.070 ug/l
RT: 4.714 min Scan# 595
Delta R.T. -0.001 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

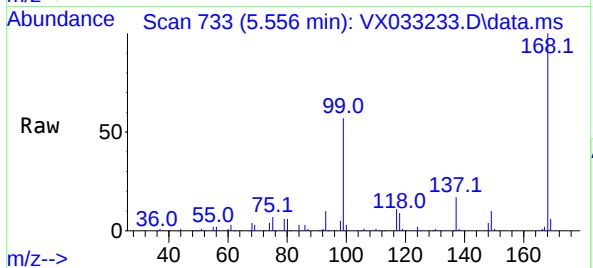
Tgt Ion: 43 Resp: 15531
Ion Ratio Lower Upper
43 100
61 15.0 11.5 17.3
70 11.0 9.1 13.7



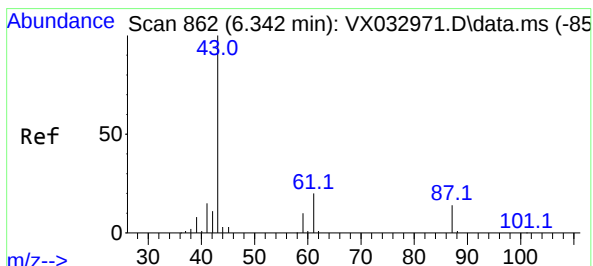
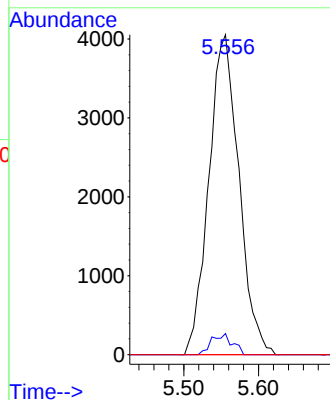
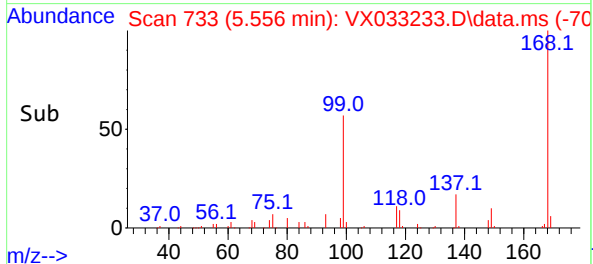


#38
Carbon Tetrachloride
Concen: 6.368 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#08

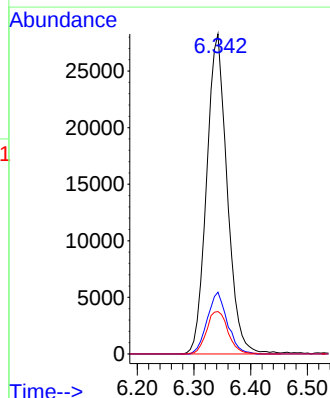
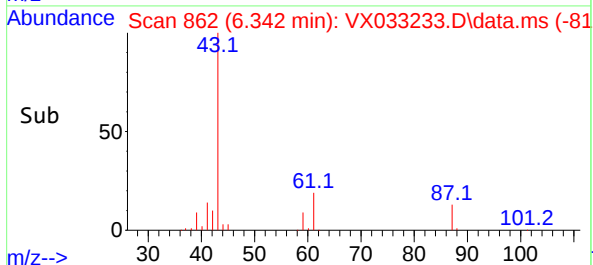
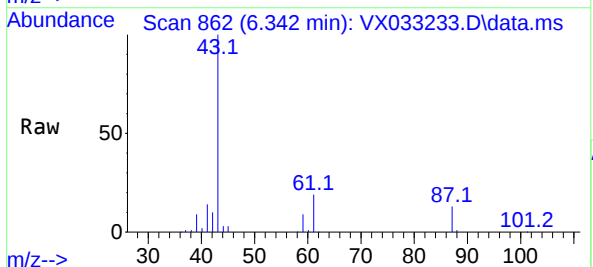


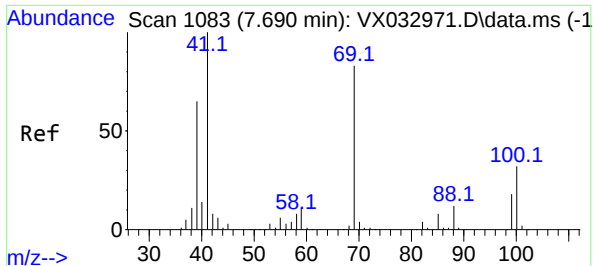
Tgt Ion:117 Resp: 11360
Ion Ratio Lower Upper
117 100
119 6.6 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 30.677 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

Tgt Ion: 43 Resp: 71178
Ion Ratio Lower Upper
43 100
61 18.8 15.4 23.0
87 13.8 10.8 16.2





#48

Methyl methacrylate

Concen: 58.352 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX033233.D

Acq: 05 Dec 2022 18:09

Instrument :

MSVOA_X

ClientSampleId :

PB149407ZHE#08

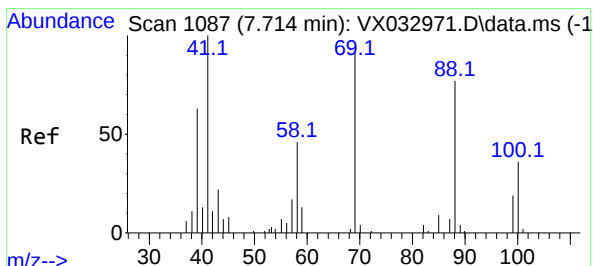
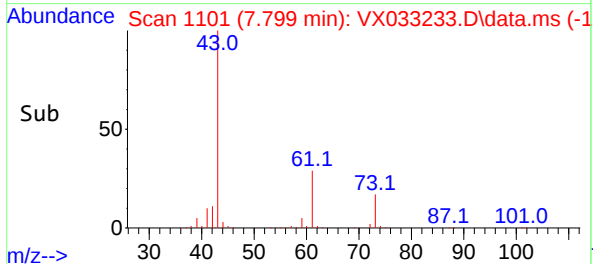
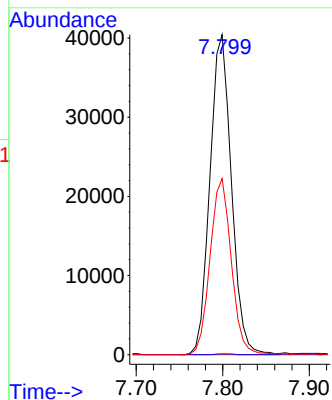
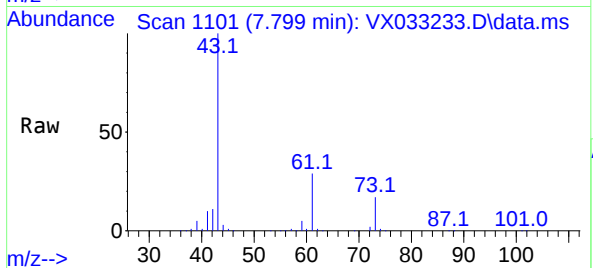
Tgt Ion: 41 Resp: 69691

Ion Ratio Lower Upper

41 100

69 0.2 65.1 97.7#

39 54.4 51.9 77.9



#49

1,4-Dioxane

Concen: 3.275 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.128 min

Lab File: VX033233.D

Acq: 05 Dec 2022 18:09

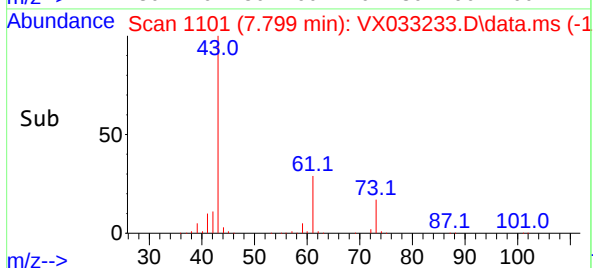
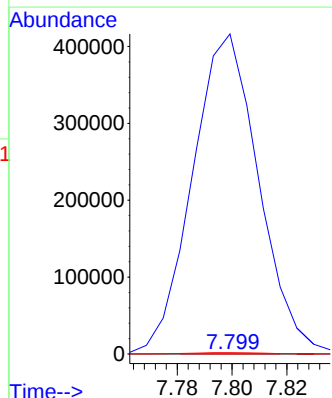
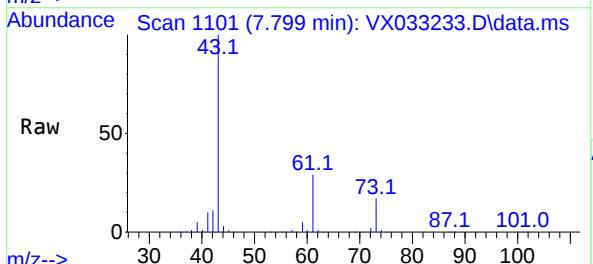
Tgt Ion: 88 Resp: 72

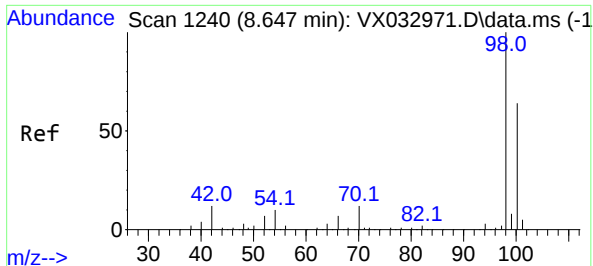
Ion Ratio Lower Upper

88 100

43 981425.0 26.6 39.8#

58 4494.4 51.7 77.5#

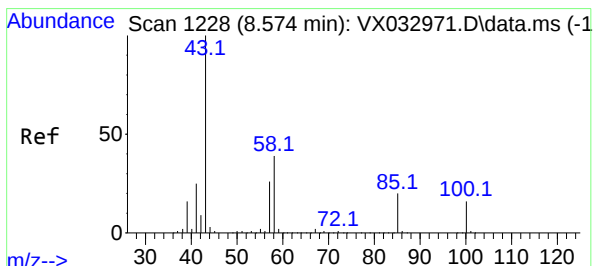
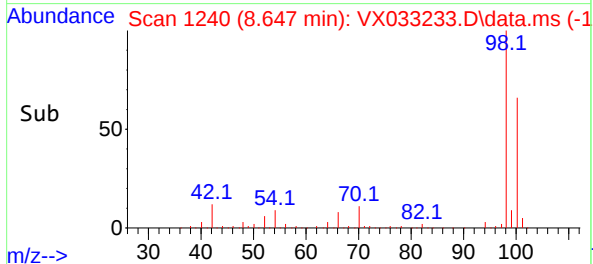
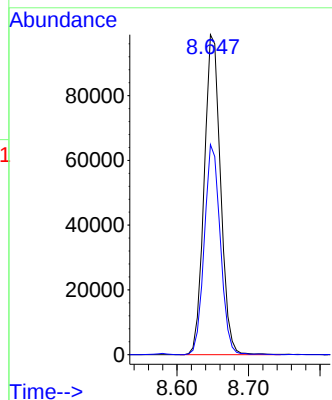
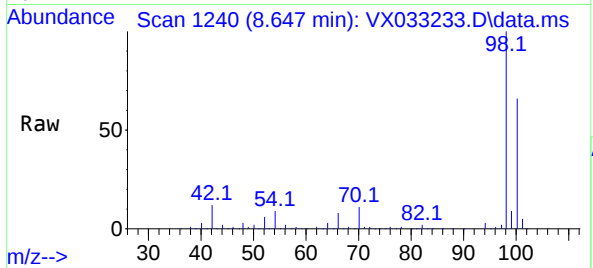




#50
Toluene-d8
Concen: 51.948 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

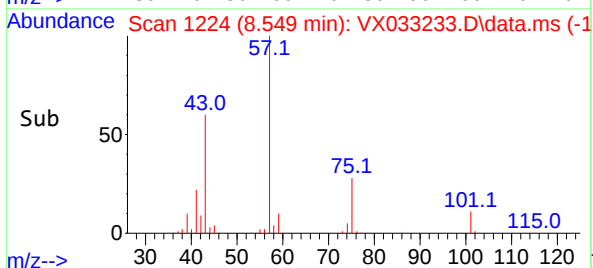
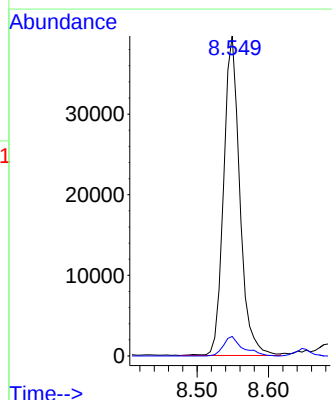
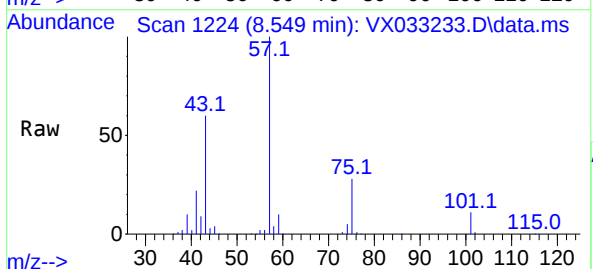
Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#08

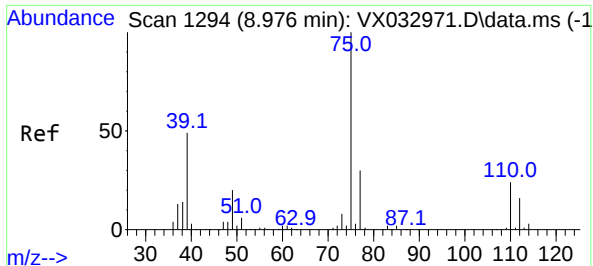
Tgt Ion: 98 Resp: 156941
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3



#51
4-Methyl-2-Pentanone
Concen: 43.529 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

Tgt Ion: 43 Resp: 62322
Ion Ratio Lower Upper
43 100
58 7.3 30.9 46.3#





#53

t-1,3-Dichloropropene

Concen: 1.837 ug/l

RT: 8.951 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX033233.D

Acq: 05 Dec 2022 18:09

Instrument :

MSVOA_X

ClientSampleId :

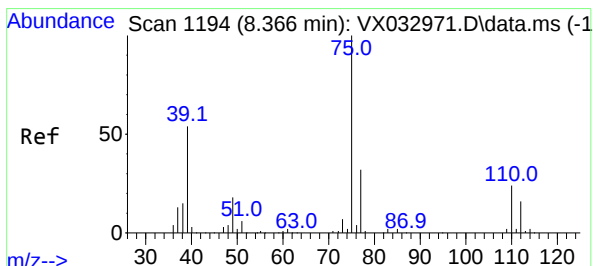
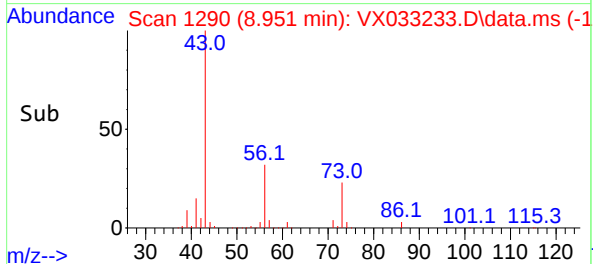
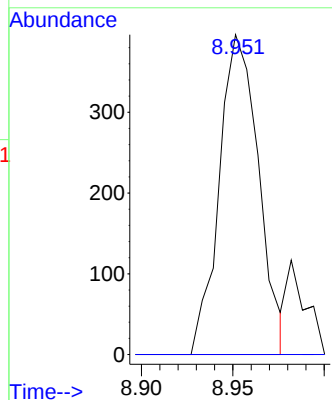
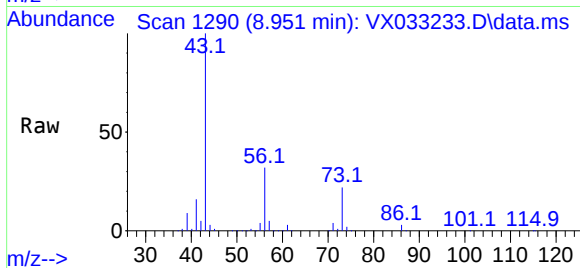
PB149407ZHE#08

Tgt Ion: 75 Resp: 595

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 15.541 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033233.D

Acq: 05 Dec 2022 18:09

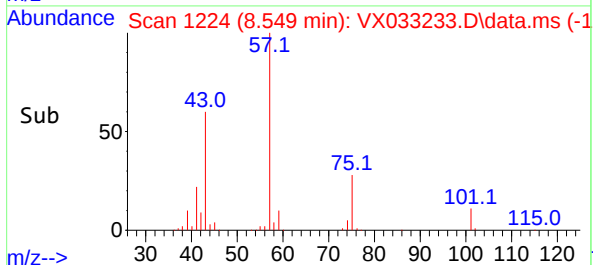
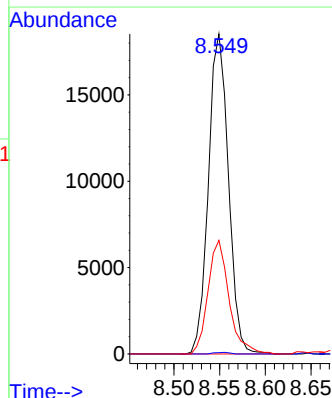
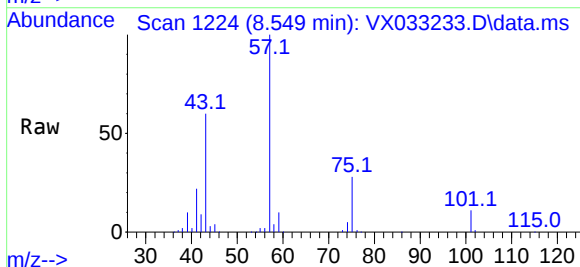
Tgt Ion: 75 Resp: 28147

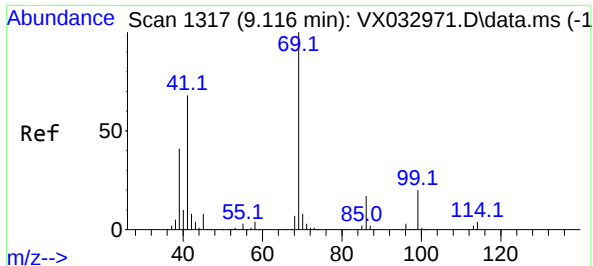
Ion Ratio Lower Upper

75 100

77 0.4 25.1 37.7#

39 35.5 45.5 68.3#

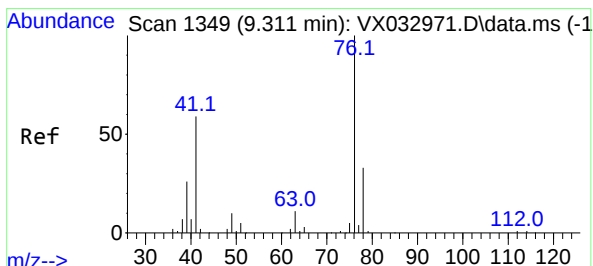
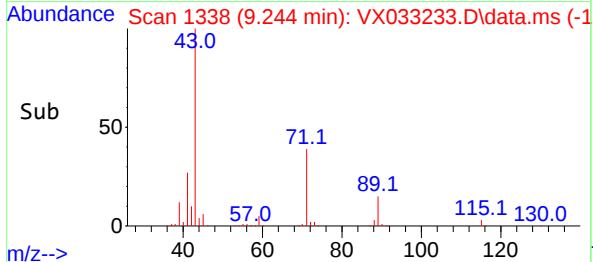
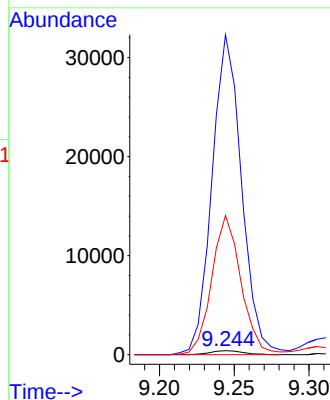
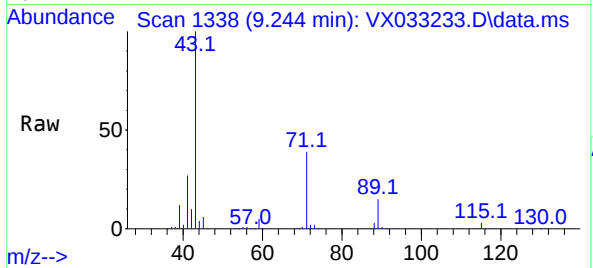




#56
Ethyl methacrylate
Concen: 0.370 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

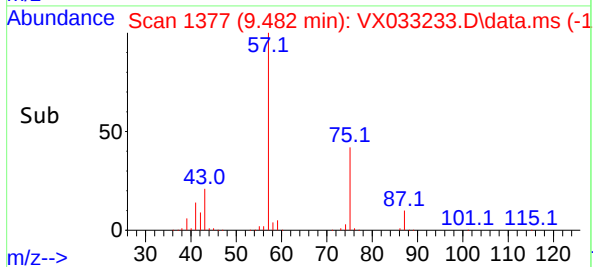
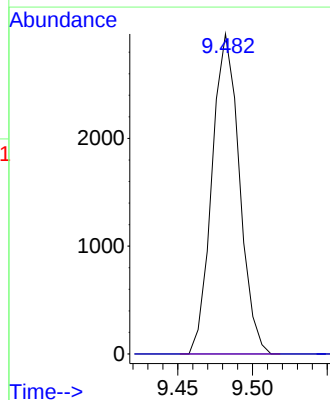
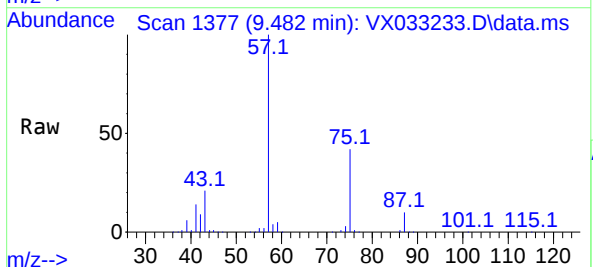
Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#08

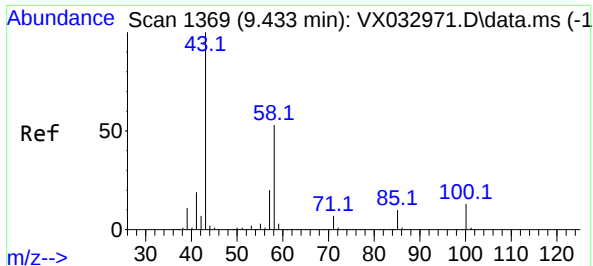
Tgt Ion: 69 Resp: 616
Ion Ratio Lower Upper
69 100
41 7232.8 54.3 81.5#
39 3109.4 35.2 52.8#



#57
1,3-Dichloropropane
Concen: 1.942 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

Tgt Ion: 76 Resp: 3787
Ion Ratio Lower Upper
76 100
78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 50.410 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX033233.D

Acq: 05 Dec 2022 18:09

Instrument :

MSVOA_X

ClientSampleId :

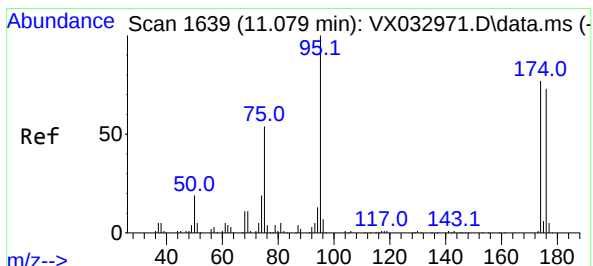
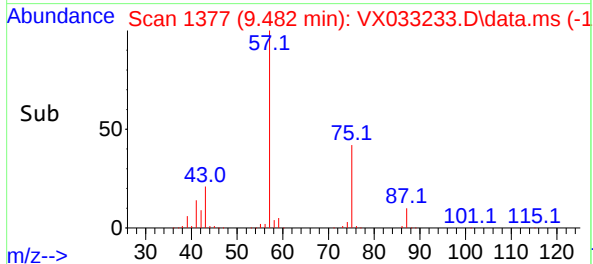
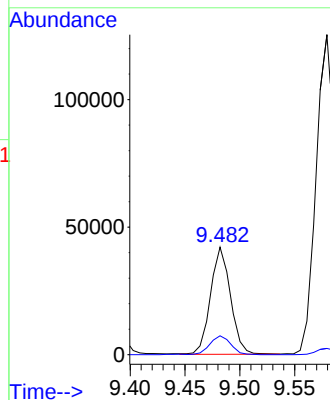
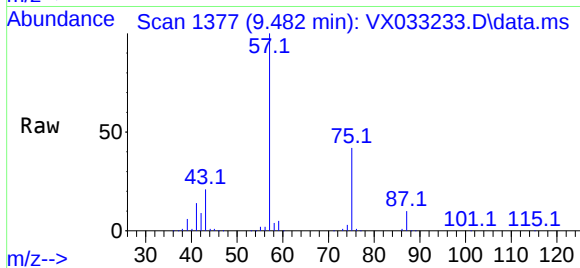
PB149407ZHE#08

Tgt Ion: 43 Resp: 53316

Ion Ratio Lower Upper

43 100

58 18.7 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 44.861 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX033233.D

Acq: 05 Dec 2022 18:09

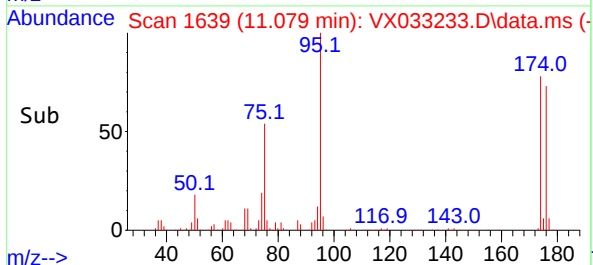
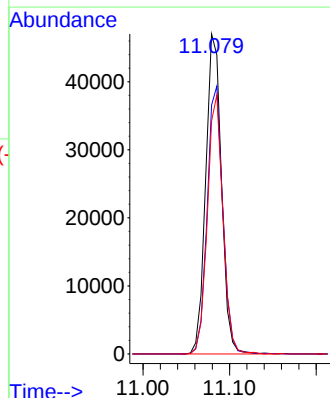
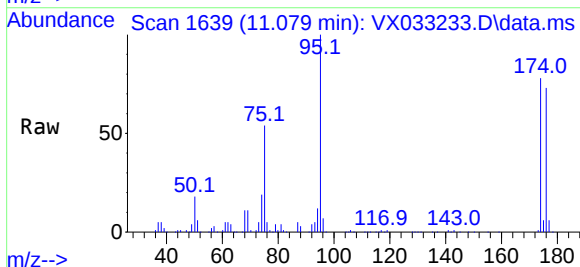
Tgt Ion: 95 Resp: 59267

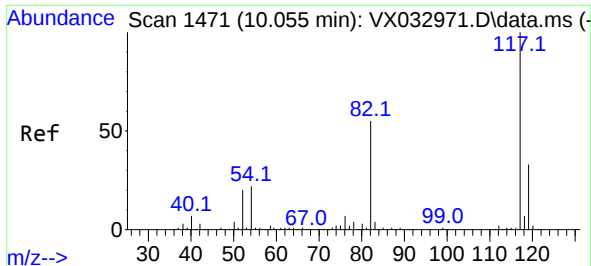
Ion Ratio Lower Upper

95 100

174 83.5 0.0 164.0

176 80.1 0.0 154.4

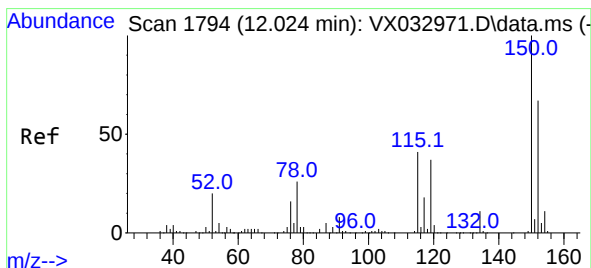
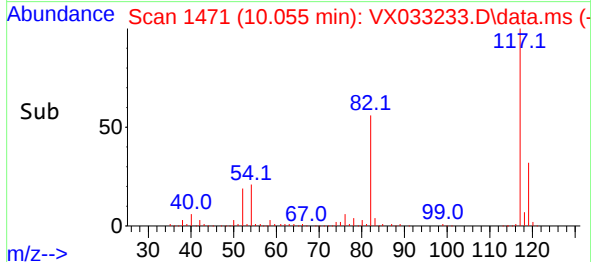
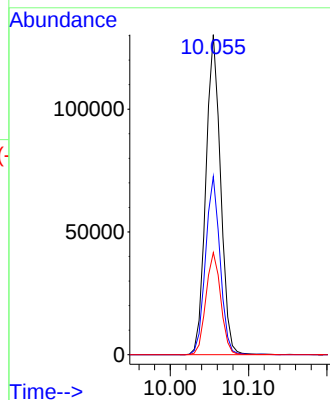
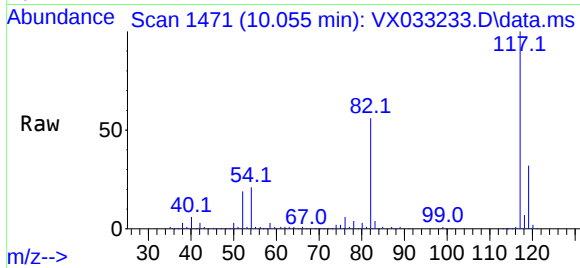




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

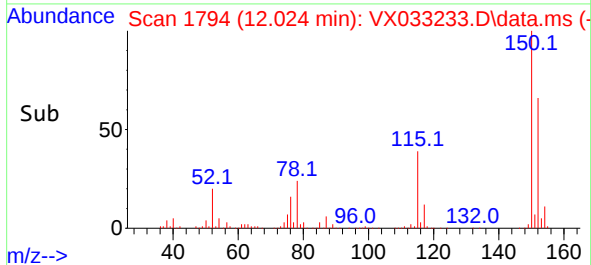
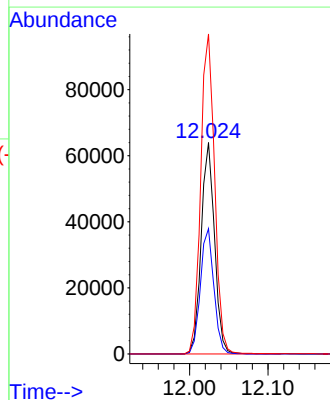
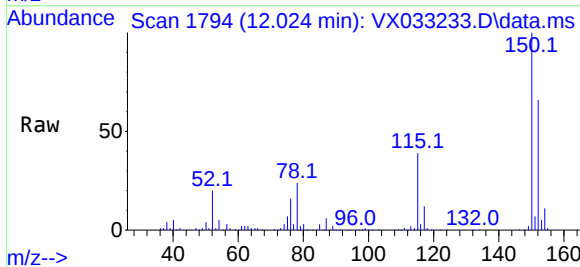
Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#08

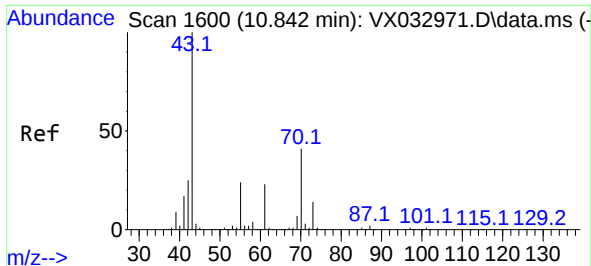
Tgt Ion:117 Resp: 169737
Ion Ratio Lower Upper
117 100
82 55.6 44.3 66.5
119 31.9 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

Tgt Ion:152 Resp: 75878
Ion Ratio Lower Upper
152 100
115 59.9 44.0 132.0
150 157.4 0.0 351.8

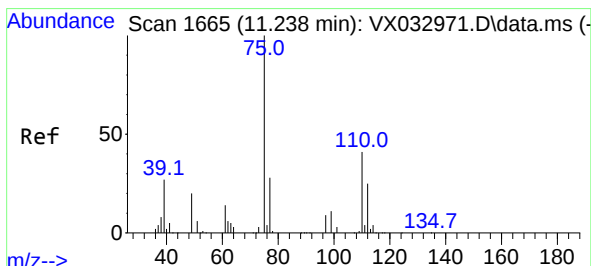
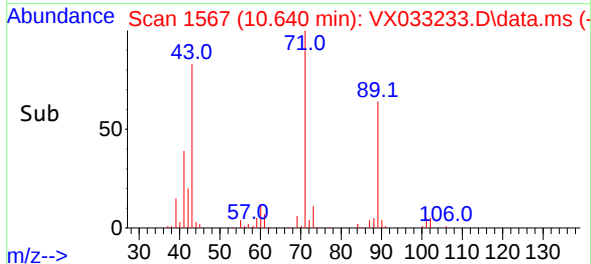
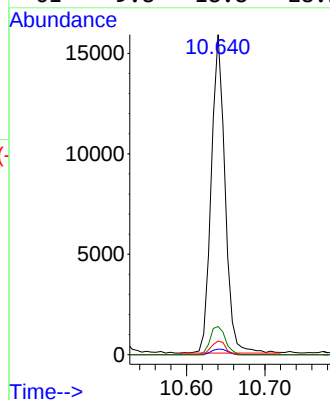
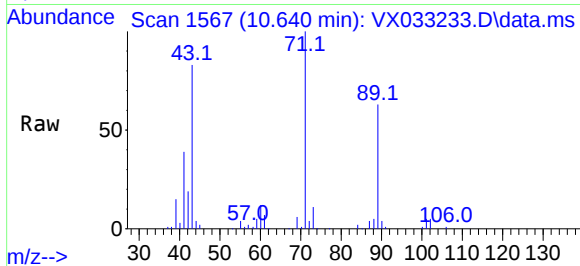




#74
N-amy1 acetate
Concen: 10.479 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.201 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

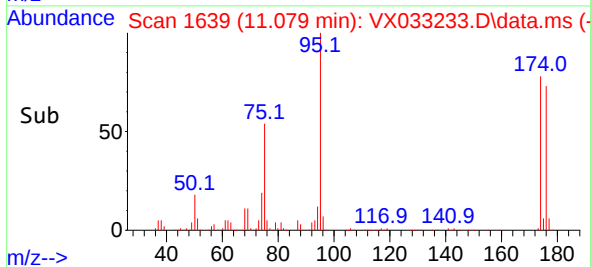
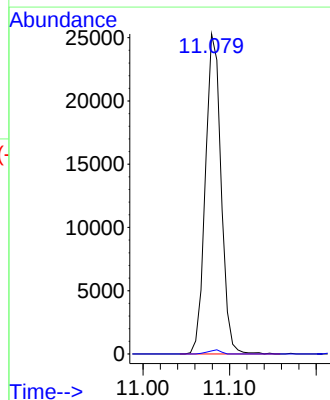
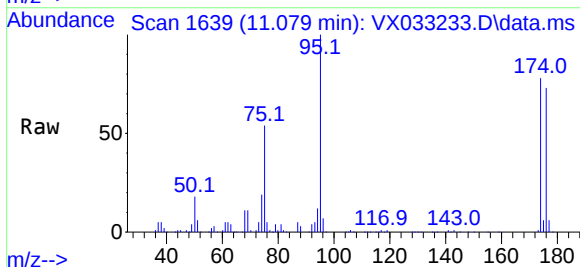
Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#08

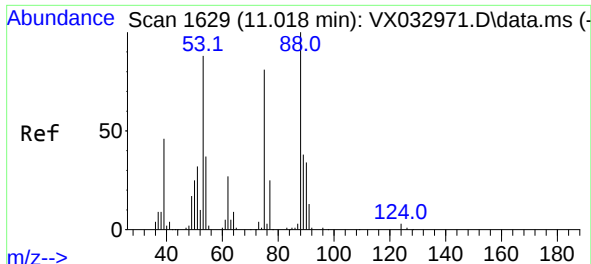
Tgt Ion: 43	Resp: 19328
Ion Ratio	Lower Upper
43	100
70	2.0 33.6 50.4#
55	4.3 19.4 29.2#
61	9.8 18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 22.151 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

Tgt Ion: 75	Resp: 31831
Ion Ratio	Lower Upper
75	100
77	1.0 20.0 60.0#

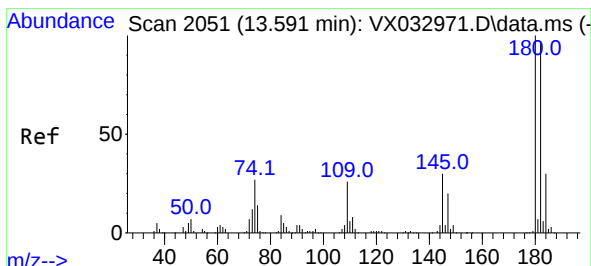
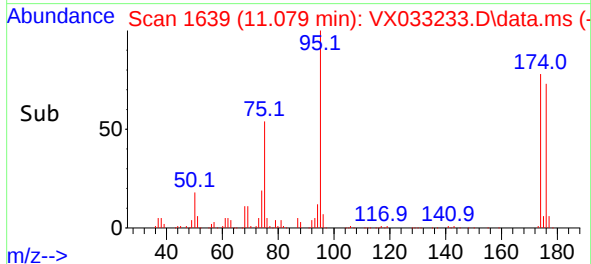
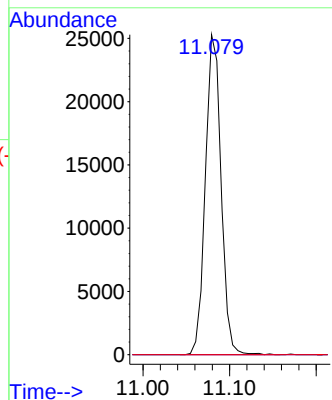
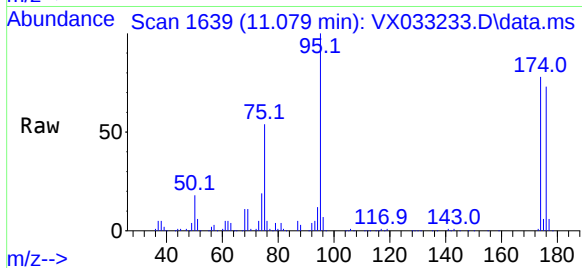




#81
trans-1,4-Dichloro-2-butene
Concen: 72.001 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

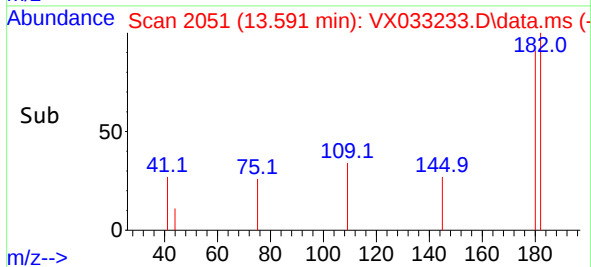
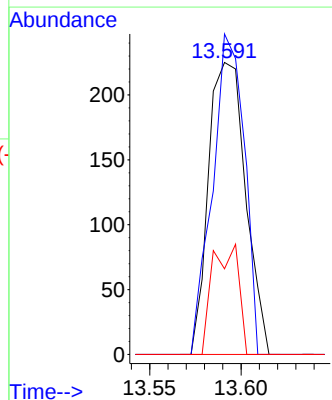
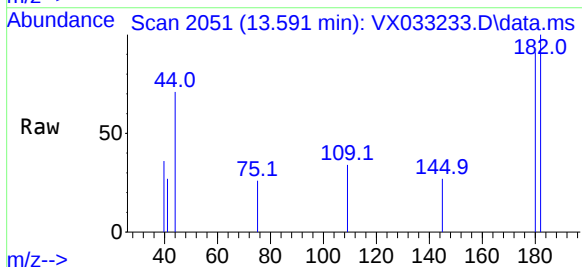
Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#08

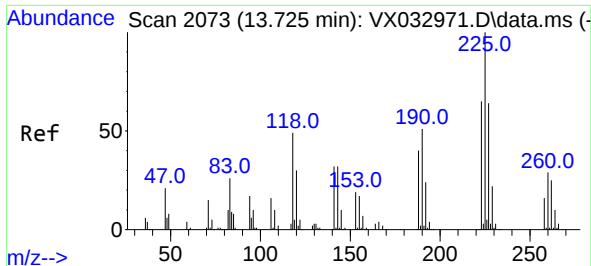
Tgt Ion: 75 Resp: 31831
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



#93
1,2,4-Trichlorobenzene
Concen: 0.212 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

Tgt Ion:180 Resp: 318
Ion Ratio Lower Upper
180 100
182 94.3 48.4 145.0
145 26.4 16.2 48.5

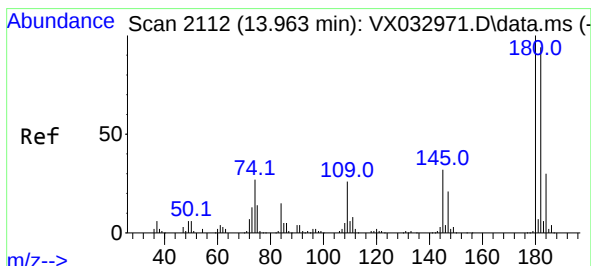
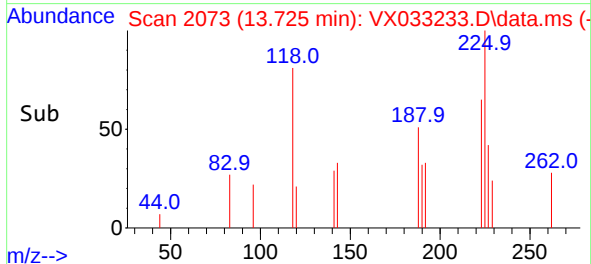
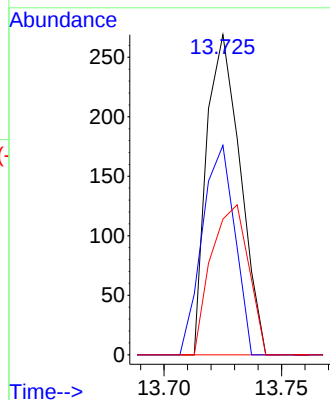
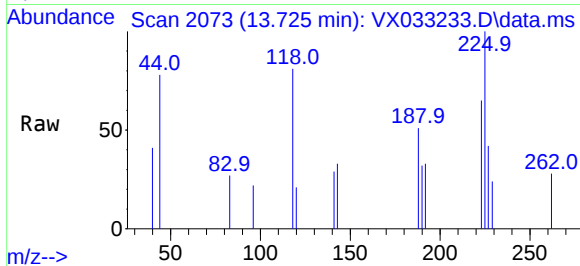




#94
Hexachlorobutadiene
Concen: 0.402 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

Instrument :
MSVOA_X
ClientSampleId :
PB149407ZHE#08

Tgt Ion:	225	Resp:	266
Ion	Ratio	Lower	Upper
225	100		
223	63.5	31.9	95.9
227	52.3	31.9	95.5



#96
1,2,3-Trichlorobenzene
Concen: 0.207 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX033233.D
Acq: 05 Dec 2022 18:09

Tgt Ion:	180	Resp:	311
Ion	Ratio	Lower	Upper
180	100		
182	108.0	47.5	142.6
145	19.0	16.9	50.6

