

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120522\
 Data File : VX033251.D
 Acq On : 06 Dec 2022 01:03
 Operator : JC/MD
 Sample : PB149407TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB149407TB

Quant Time: Dec 06 06:04:05 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

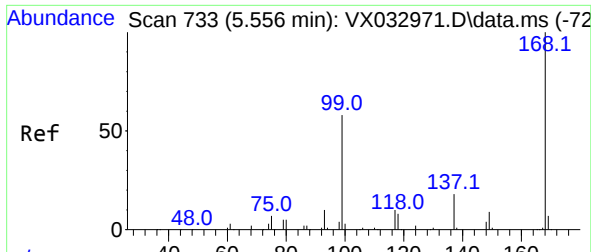
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	124911	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	203396	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	185864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	85700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	64444	52.985	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.980%			
35) Dibromofluoromethane	5.391	113	53454	46.617	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.240%			
50) Toluene-d8	8.647	98	176460	51.198	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.400%			
62) 4-Bromofluorobenzene	11.079	95	68215	45.287	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.580%			
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	226	0.219	ug/l #	43
11) Tert butyl alcohol	2.940	59	8270	42.887	ug/l #	72
16) Acetone	2.386	43	11677	20.554	ug/l	95
18) Methyl Acetate	2.709	43	1476	0.939	ug/l	98
20) Methylene Chloride	2.794	84	4060	2.194	ug/l #	88
25) 2-Butanone	4.580	43	1538	1.963	ug/l #	81
29) Tetrahydrofuran	5.031	42	281	0.565	ug/l #	31
31) Cyclohexane	5.550	56	2370	1.202	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9584	5.227	ug/l #	50
37) Ethyl Acetate	4.714	43	17578	10.989	ug/l	99
38) Carbon Tetrachloride	5.556	117	12817	6.302	ug/l #	16
43) Isopropyl Acetate	6.342	43	80483	30.423	ug/l	100
48) Methyl methacrylate	7.799	41	73461	53.948	ug/l #	43
49) 1,4-Dioxane	7.793	88	107	4.269	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	68890	42.201	ug/l #	48
53) t-1,3-Dichloropropene	8.951	75	549	1.776	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	31415	15.213	ug/l #	60
56) Ethyl methacrylate	9.244	69	610	0.322	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3980	1.790	ug/l #	42
59) 2-Hexanone	9.482	43	56018	46.454	ug/l #	52
68) m/p-Xylenes	10.299	106	571	0.222	ug/l	93
74) N-amyl acetate	10.817	43	689	0.331	ug/l #	47
76) 1,2,3-Trichloropropane	11.079	75	35974	22.165	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35974	72.046	ug/l #	6

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

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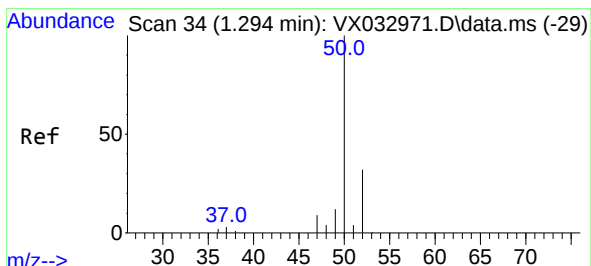
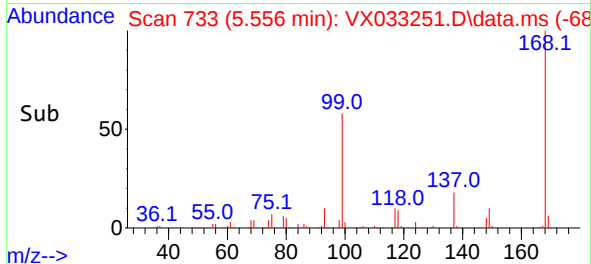
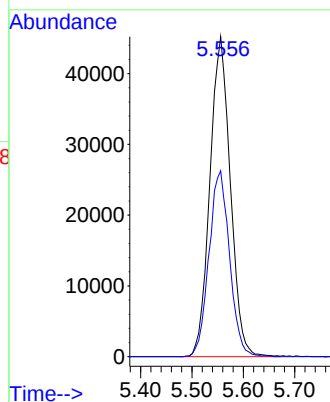
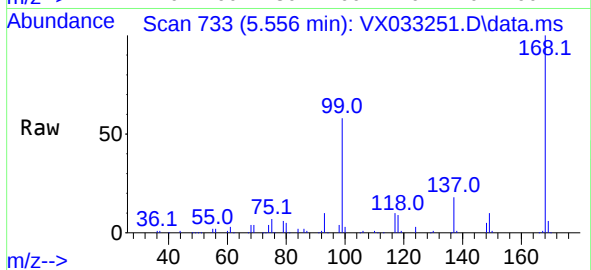




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033251.D
Acq: 06 Dec 2022 01:03

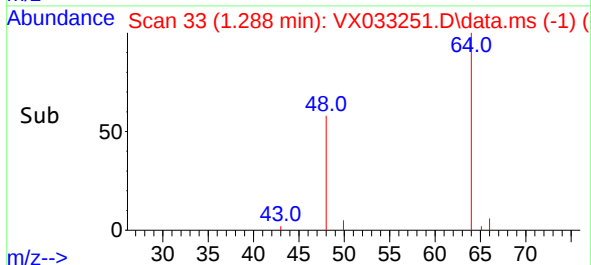
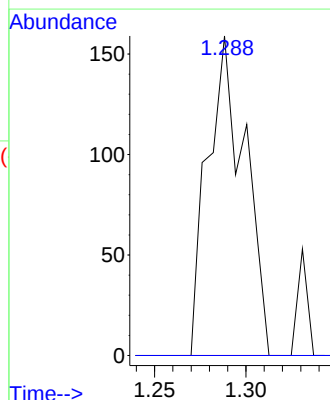
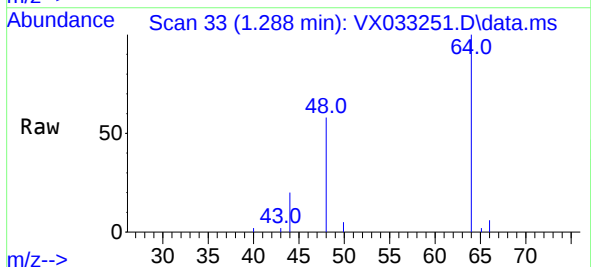
Instrument :
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PB149407TB

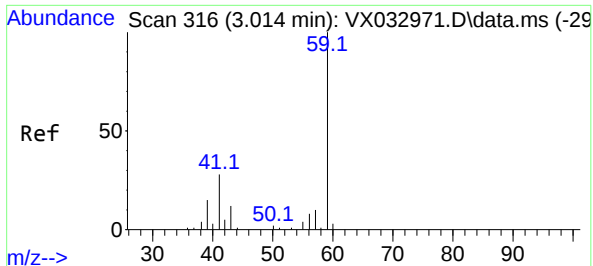
Tgt Ion:168 Resp: 124911
Ion Ratio Lower Upper
168 100
99 58.1 46.1 69.1



#3
Chloromethane
Concen: 0.219 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX033251.D
Acq: 06 Dec 2022 01:03

Tgt Ion: 50 Resp: 226
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#





#11

Tert butyl alcohol

Concen: 42.887 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.025 min

Lab File: VX033251.D

Acq: 06 Dec 2022 01:03

Instrument :

MSVOA_X

ClientSampleId :

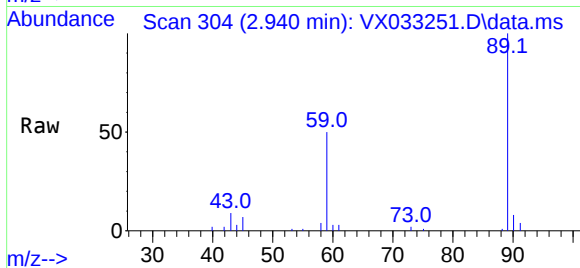
PB149407TB

Tgt Ion: 59 Resp: 8270

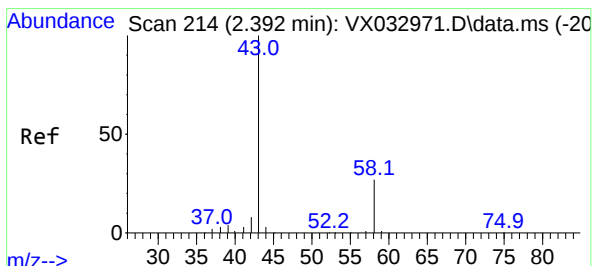
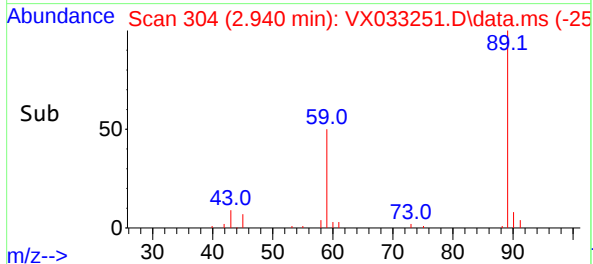
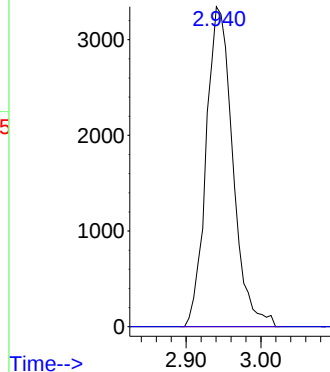
Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance



#16

Acetone

Concen: 20.554 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX033251.D

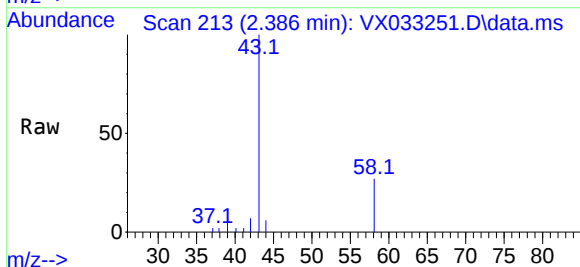
Acq: 06 Dec 2022 01:03

Tgt Ion: 43 Resp: 11677

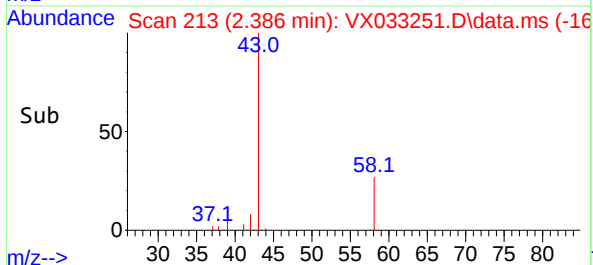
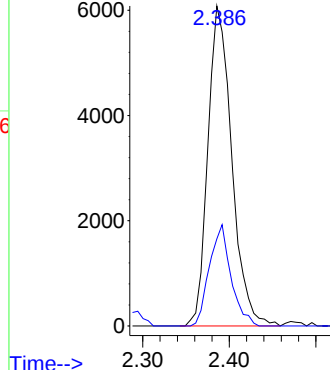
Ion Ratio Lower Upper

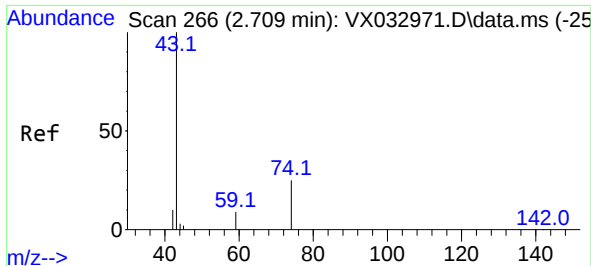
43 100

58 27.2 23.8 35.8



Abundance

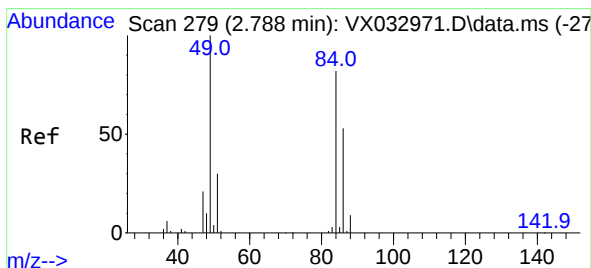
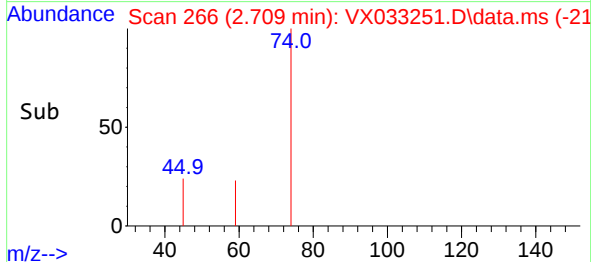
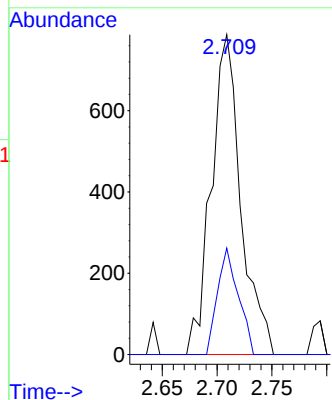
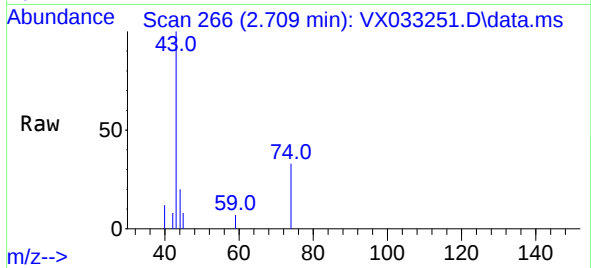




#18
Methyl Acetate
Concen: 0.939 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX033251.D
Acq: 06 Dec 2022 01:03

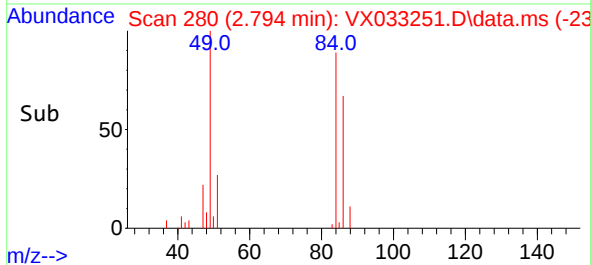
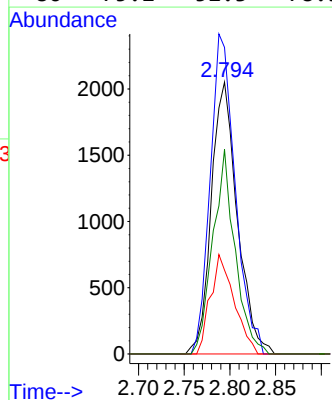
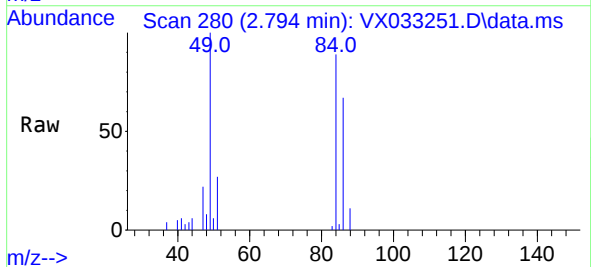
Instrument :
MSVOA_X
ClientSampleId :
PB149407TB

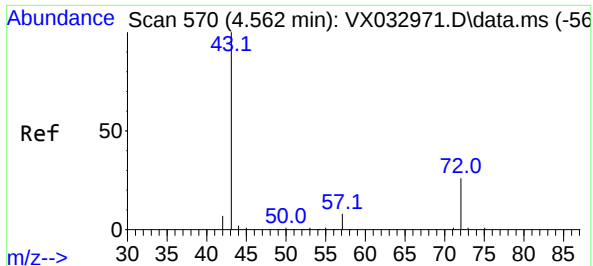
Tgt Ion: 43 Resp: 1476
Ion Ratio Lower Upper
43 100
74 23.4 19.4 29.0



#20
Methylene Chloride
Concen: 2.194 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX033251.D
Acq: 06 Dec 2022 01:03

Tgt Ion: 84 Resp: 4060
Ion Ratio Lower Upper
84 100
49 112.8 101.0 151.6
51 30.8 31.1 46.7#
86 75.2 52.3 78.5





#25

2-Butanone

Concen: 1.963 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX033251.D

Acq: 06 Dec 2022 01:03

Instrument :

MSVOA_X

ClientSampleId :

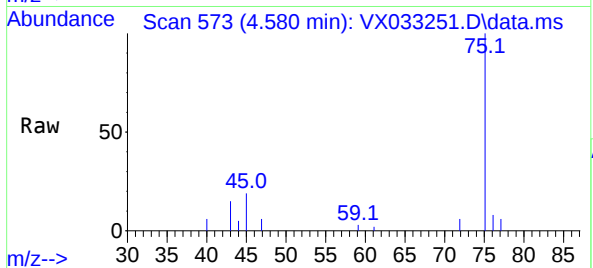
PB149407TB

Tgt Ion: 43 Resp: 1538

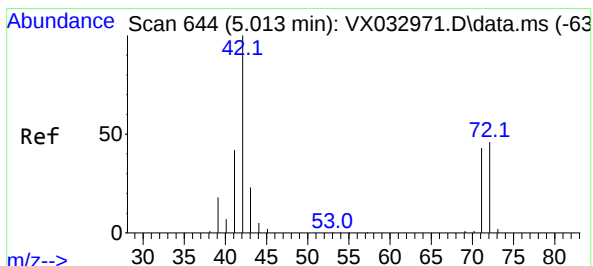
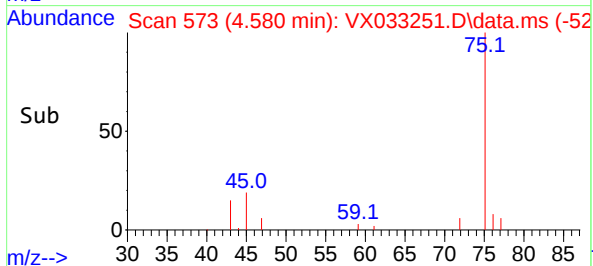
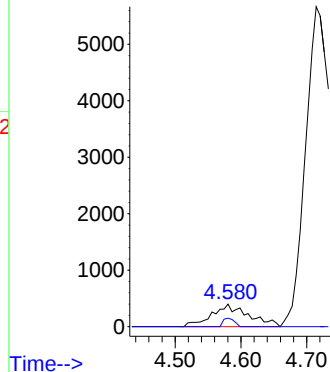
Ion Ratio Lower Upper

43 100

72 37.8 22.2 33.2#



Abundance



#29

Tetrahydrofuran

Concen: 0.565 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.030 min

Lab File: VX033251.D

Acq: 06 Dec 2022 01:03

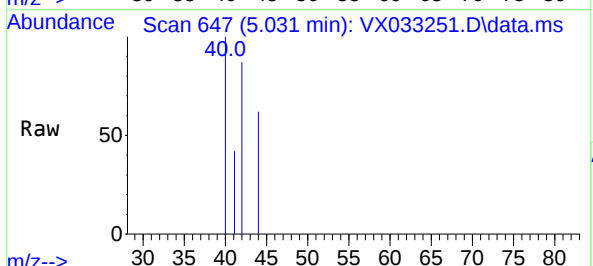
Tgt Ion: 42 Resp: 281

Ion Ratio Lower Upper

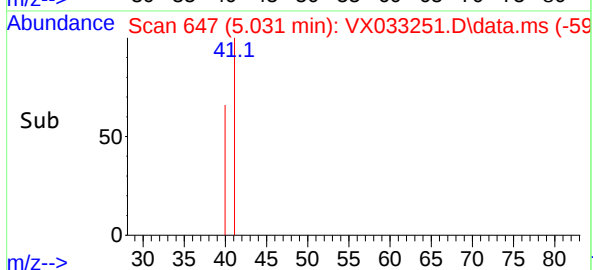
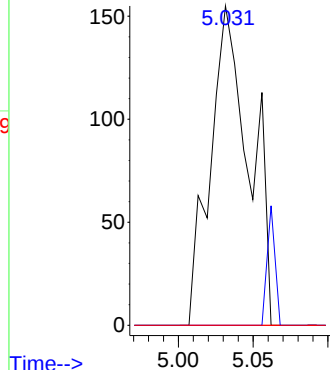
42 100

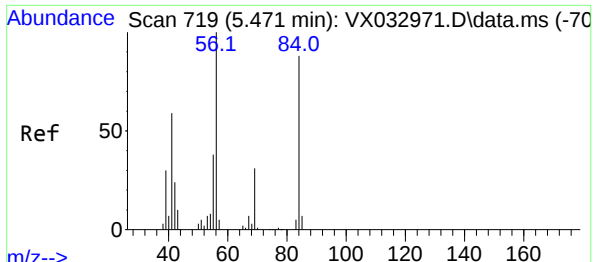
72 0.0 37.6 56.4#

71 0.0 34.7 52.1#



Abundance

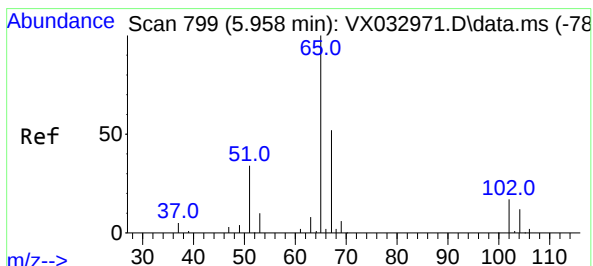
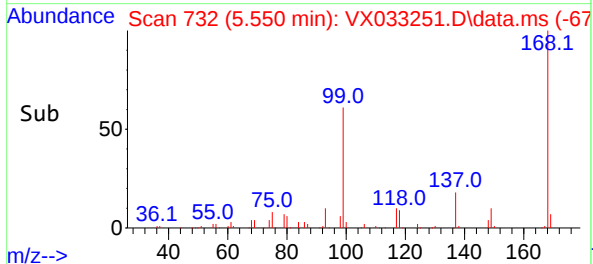
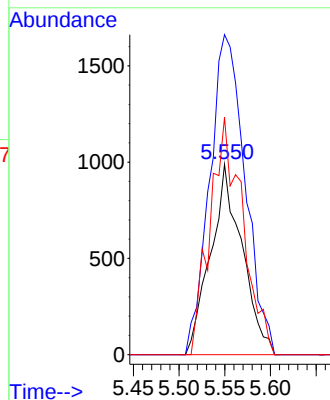
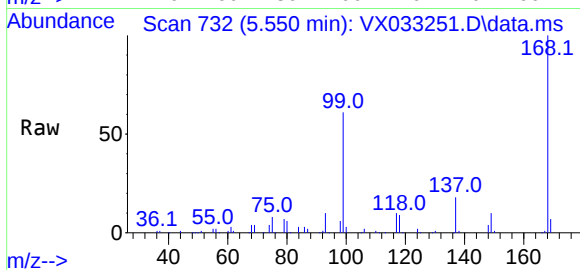




#31
Cyclohexane
Concen: 1.202 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX033251.D
Acq: 06 Dec 2022 01:03

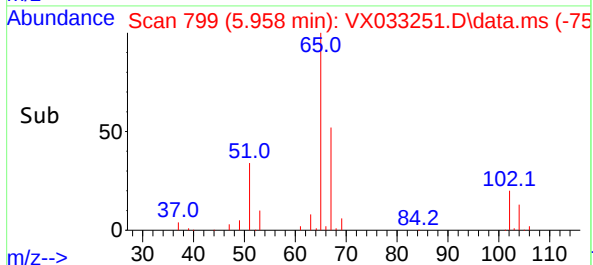
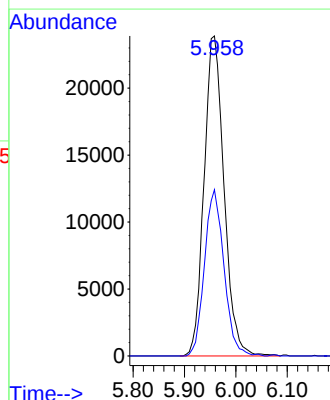
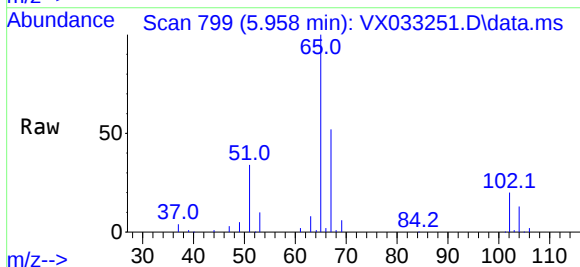
Instrument :
MSVOA_X
ClientSampleId :
PB149407TB

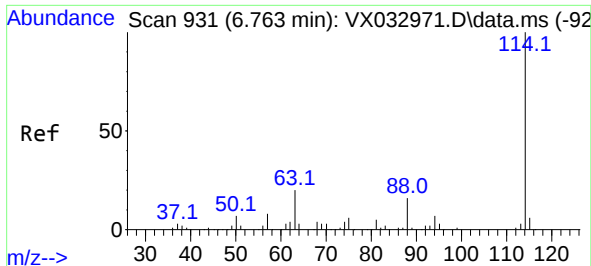
Tgt Ion: 56 Resp: 2370
Ion Ratio Lower Upper
56 100
69 168.0 24.1 36.1#
84 124.6 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 52.985 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033251.D
Acq: 06 Dec 2022 01:03

Tgt Ion: 65 Resp: 64444
Ion Ratio Lower Upper
65 100
67 50.7 0.0 101.8

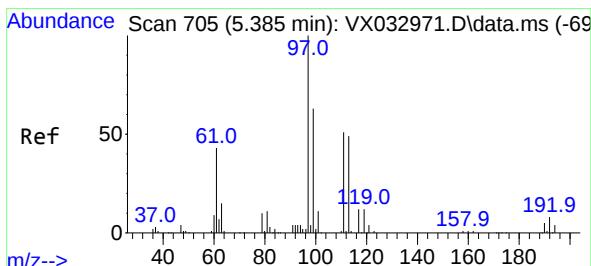
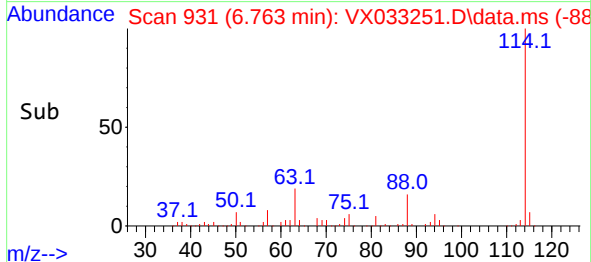
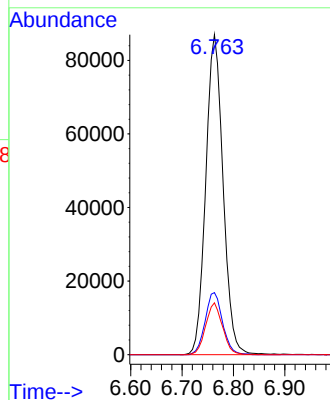
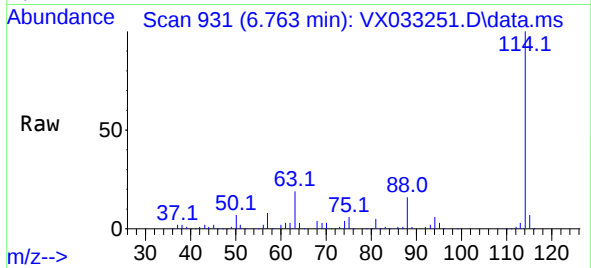




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX033251.D
Acq: 06 Dec 2022 01:03

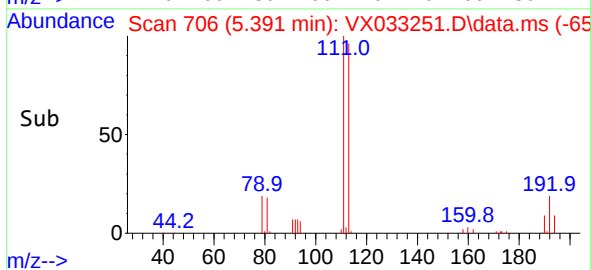
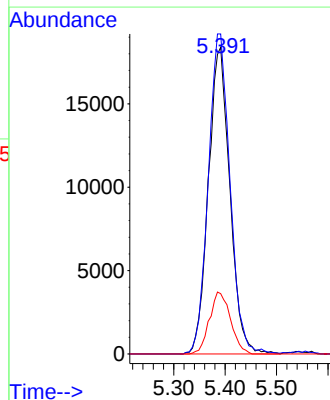
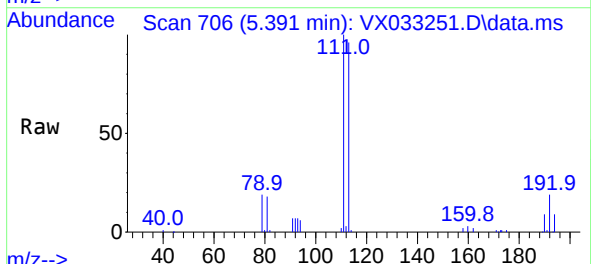
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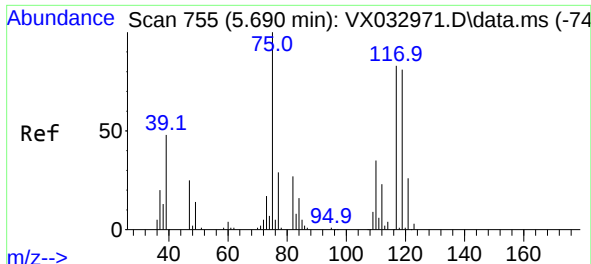
Tgt Ion:114 Resp: 203396
Ion Ratio Lower Upper
114 100
63 19.4 0.0 41.6
88 16.2 0.0 33.4



#35
Dibromofluoromethane
Concen: 46.617 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX033251.D
Acq: 06 Dec 2022 01:03

Tgt Ion:113 Resp: 53454
Ion Ratio Lower Upper
113 100
111 105.3 82.4 123.6
192 19.8 15.4 23.2





#36

1,1-Dichloropropene

Concen: 5.227 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX033251.D

Acq: 06 Dec 2022 01:03

Instrument :

MSVOA_X

ClientSampleId :

PB149407TB

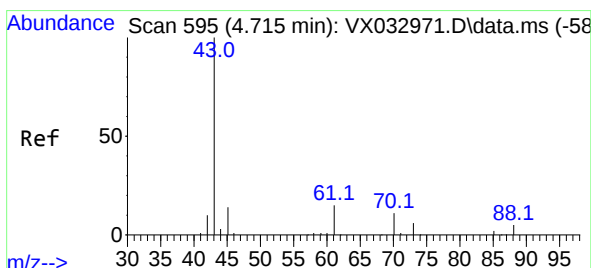
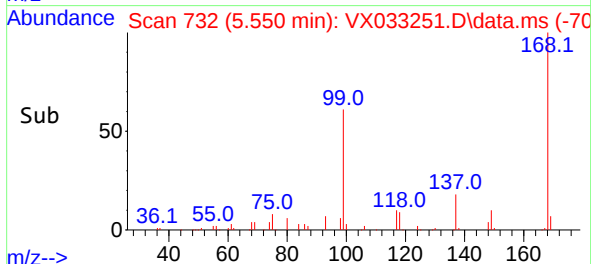
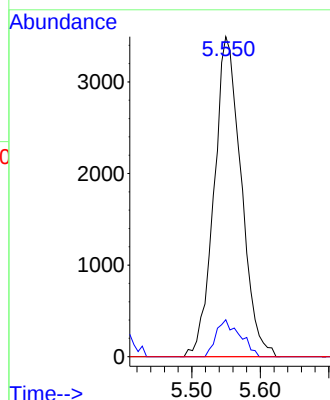
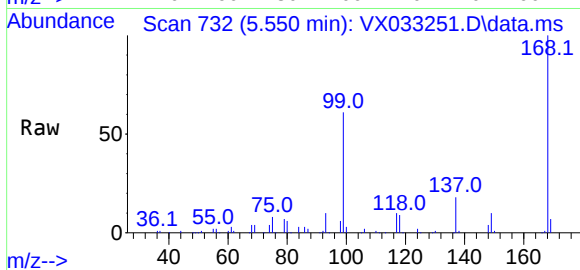
Tgt Ion: 75 Resp: 9584

Ion Ratio Lower Upper

75 100

110 10.2 18.4 55.2#

77 0.0 24.5 36.7#



#37

Ethyl Acetate

Concen: 10.989 ug/l

RT: 4.714 min Scan# 595

Delta R.T. -0.001 min

Lab File: VX033251.D

Acq: 06 Dec 2022 01:03

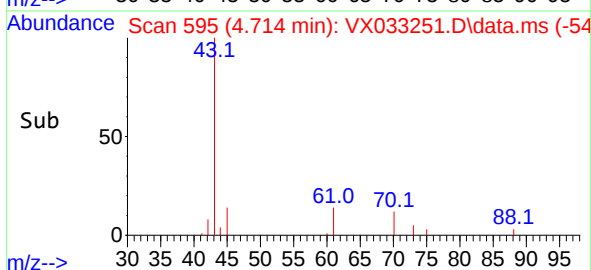
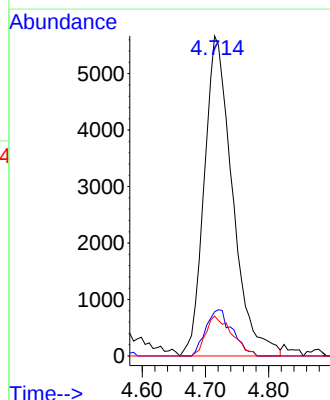
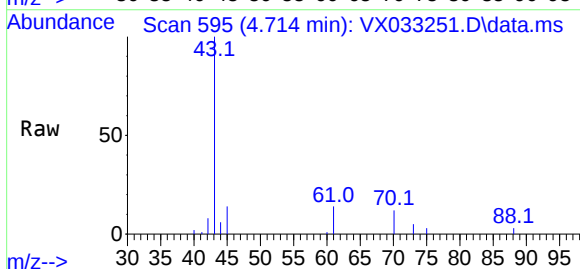
Tgt Ion: 43 Resp: 17578

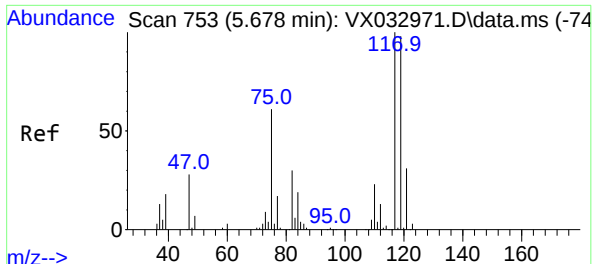
Ion Ratio Lower Upper

43 100

61 13.7 11.5 17.3

70 11.6 9.1 13.7

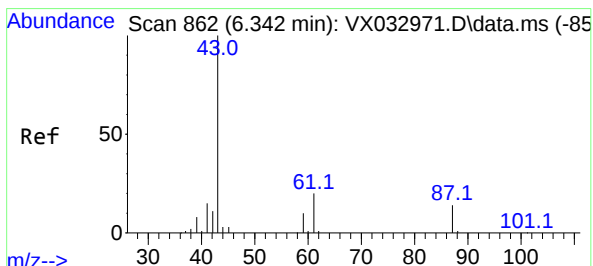
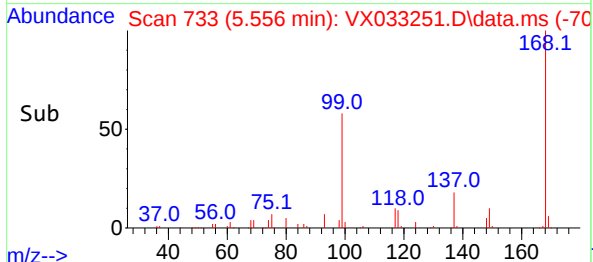
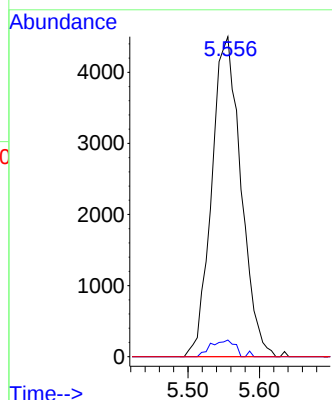
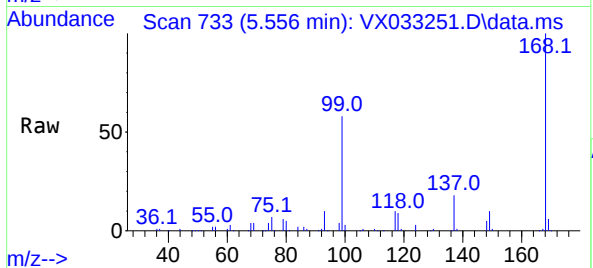




#38
Carbon Tetrachloride
Concen: 6.302 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033251.D
Acq: 06 Dec 2022 01:03

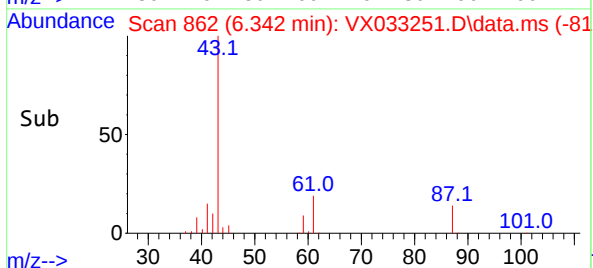
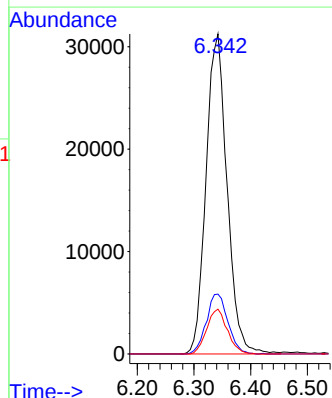
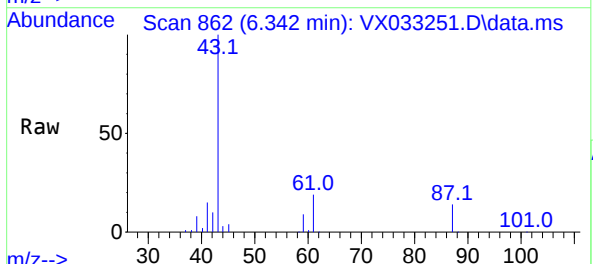
Instrument :
MSVOA_X
ClientSampleId :
PB149407TB

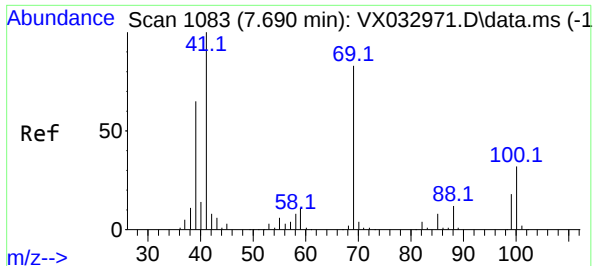
Tgt Ion:117 Resp: 12817
Ion Ratio Lower Upper
117 100
119 5.2 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 30.423 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX033251.D
Acq: 06 Dec 2022 01:03

Tgt Ion: 43 Resp: 80483
Ion Ratio Lower Upper
43 100
61 19.2 15.4 23.0
87 13.7 10.8 16.2

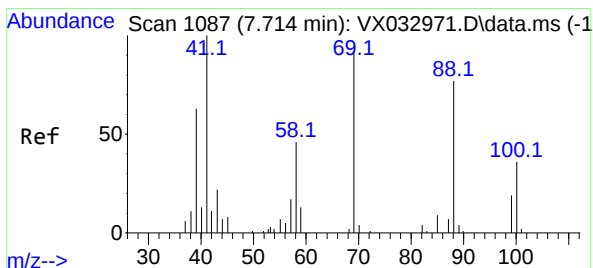
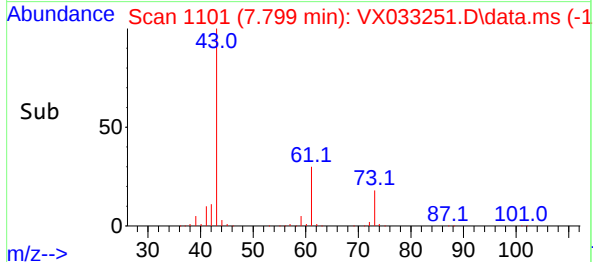
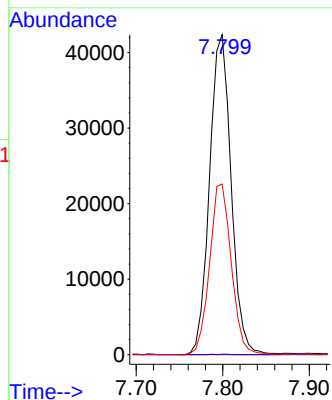
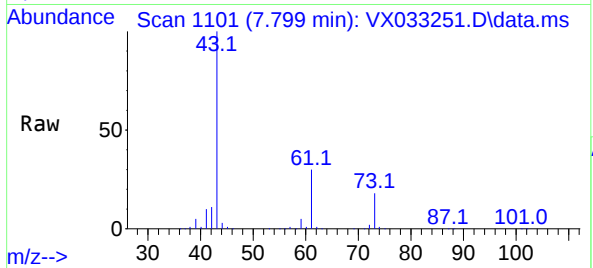




#48
Methyl methacrylate
Concen: 53.948 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX033251.D
Acq: 06 Dec 2022 01:03

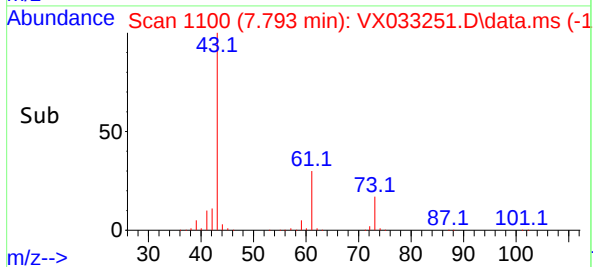
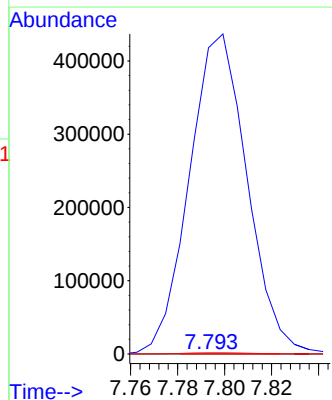
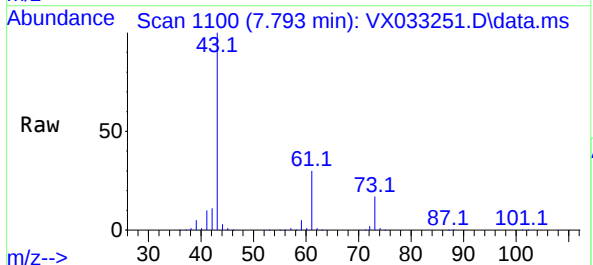
Instrument :
MSVOA_X
ClientSampleId :
PB149407TB

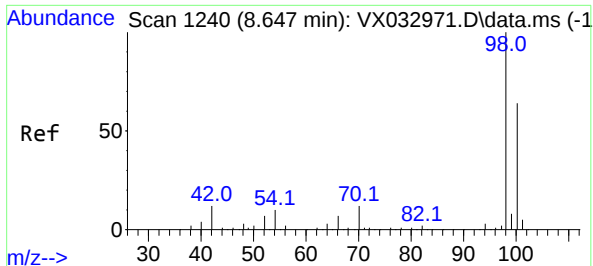
Tgt Ion: 41 Resp: 73461
Ion Ratio Lower Upper
41 100
69 0.1 65.1 97.7#
39 53.5 51.9 77.9



#49
1,4-Dioxane
Concen: 4.269 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.122 min
Lab File: VX033251.D
Acq: 06 Dec 2022 01:03

Tgt Ion: 88 Resp: 107
Ion Ratio Lower Upper
88 100
43 704049.5 26.6 39.8#
58 2926.2 51.7 77.5#





#50

Toluene-d8

Concen: 51.198 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX033251.D

Acq: 06 Dec 2022 01:03

Instrument :

MSVOA_X

ClientSampleId :

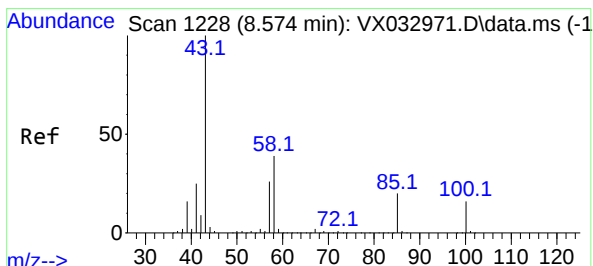
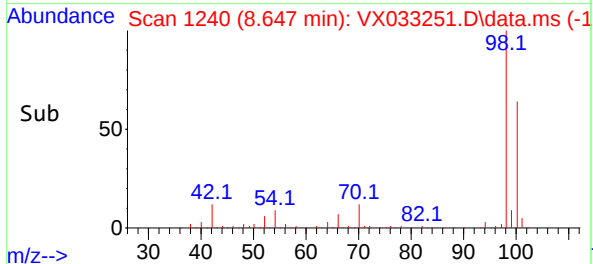
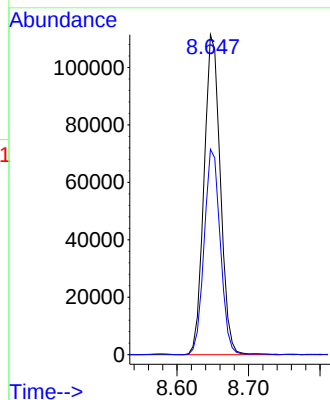
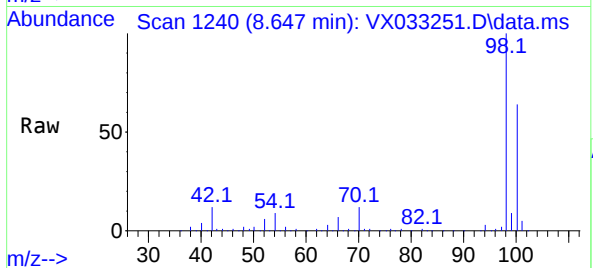
PB149407TB

Tgt Ion: 98 Resp: 176460

Ion Ratio Lower Upper

98 100

100 63.4 50.9 76.3



#51

4-Methyl-2-Pentanone

Concen: 42.201 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.025 min

Lab File: VX033251.D

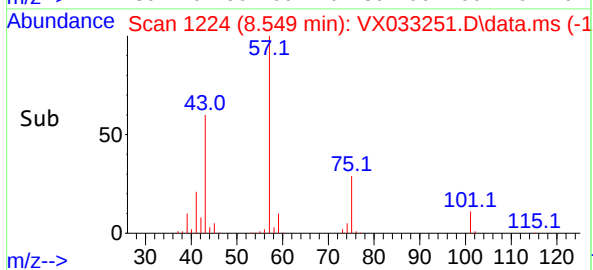
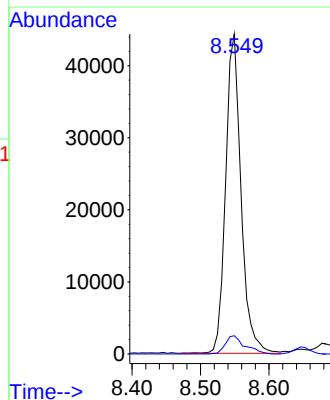
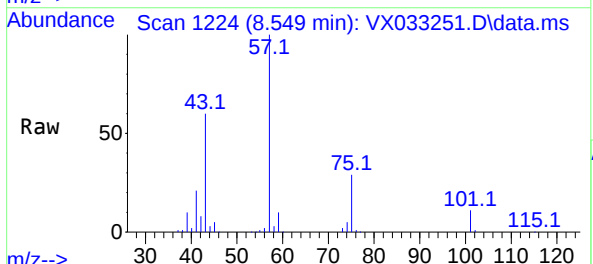
Acq: 06 Dec 2022 01:03

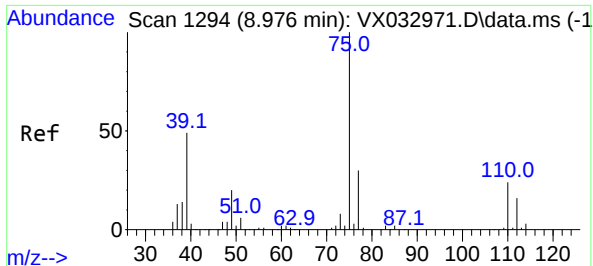
Tgt Ion: 43 Resp: 68890

Ion Ratio Lower Upper

43 100

58 7.2 30.9 46.3#





#53

t-1,3-Dichloropropene

Concen: 1.776 ug/l

RT: 8.951 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX033251.D

Acq: 06 Dec 2022 01:03

Instrument :

MSVOA_X

ClientSampleId :

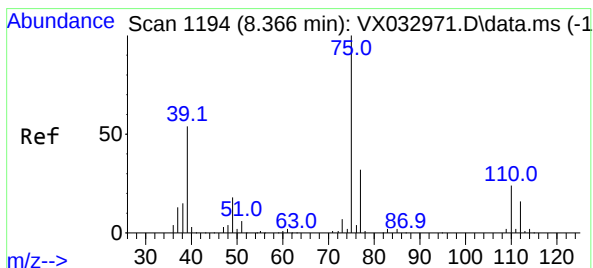
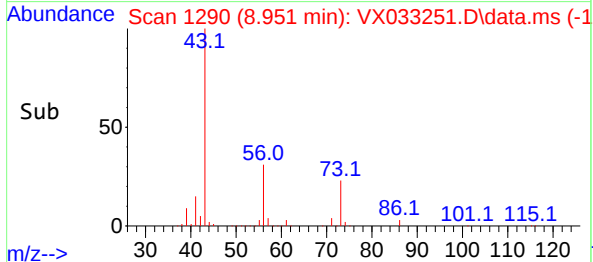
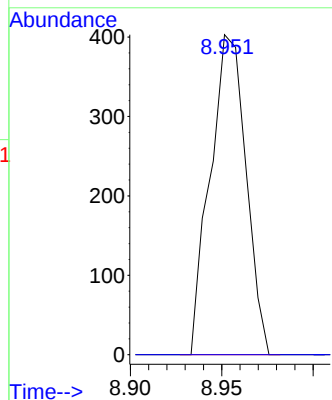
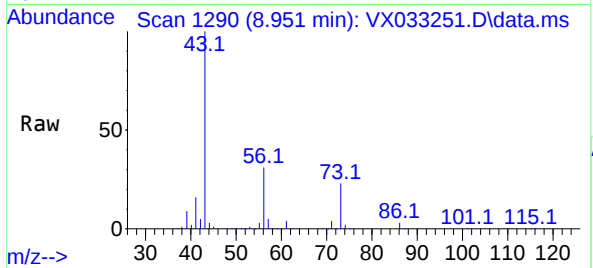
PB149407TB

Tgt Ion: 75 Resp: 549

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 15.213 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX033251.D

Acq: 06 Dec 2022 01:03

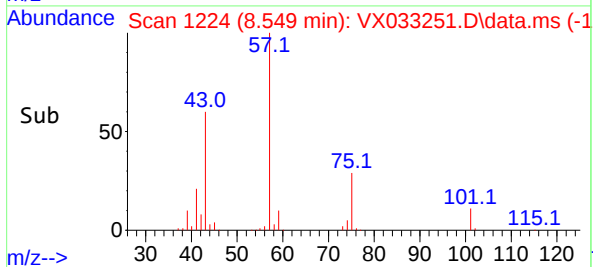
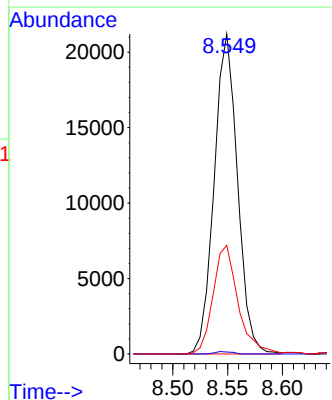
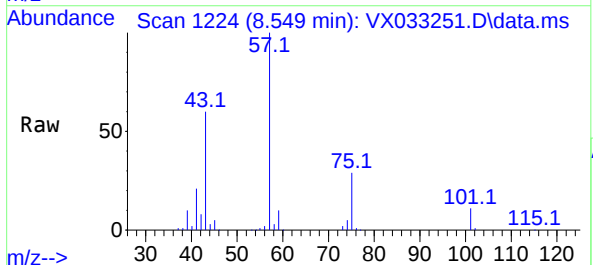
Tgt Ion: 75 Resp: 31415

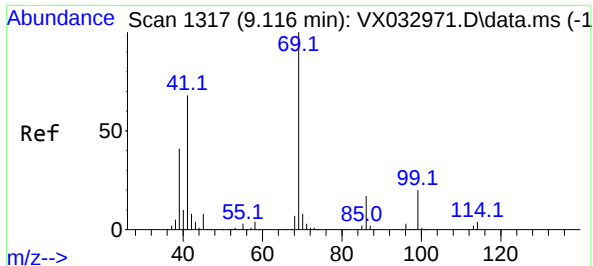
Ion Ratio Lower Upper

75 100

77 0.6 25.1 37.7#

39 33.9 45.5 68.3#





#56

Ethyl methacrylate

Concen: 0.322 ug/l

RT: 9.244 min Scan# 11

Delta R.T. 0.128 min

Lab File: VX033251.D

Acq: 06 Dec 2022 01:03

Instrument :

MSVOA_X

ClientSampleId :

PB149407TB

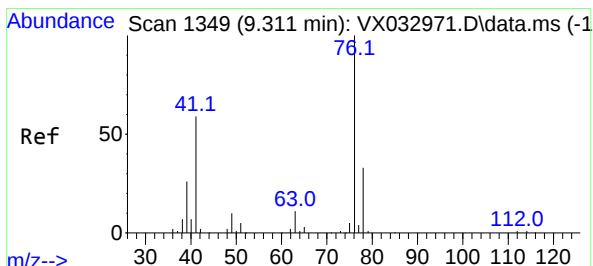
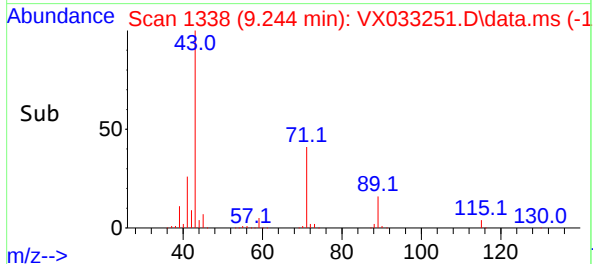
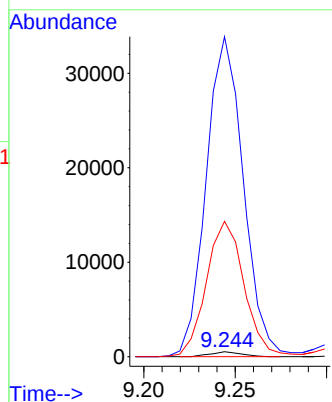
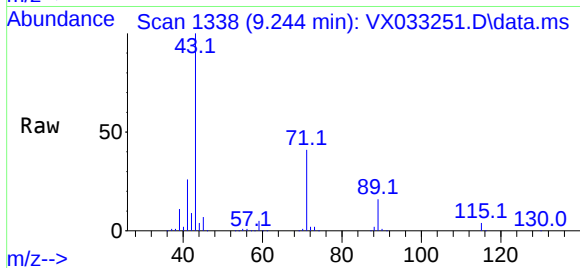
Tgt Ion: 69 Resp: 610

Ion Ratio Lower Upper

69 100

41 7904.4 54.3 81.5#

39 3391.1 35.2 52.8#



#57

1,3-Dichloropropane

Concen: 1.790 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX033251.D

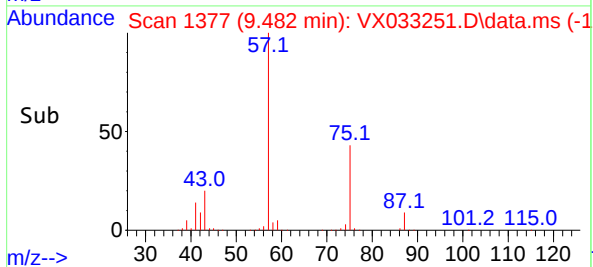
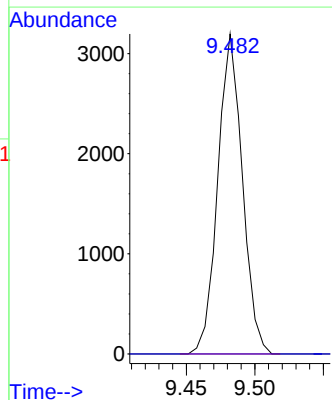
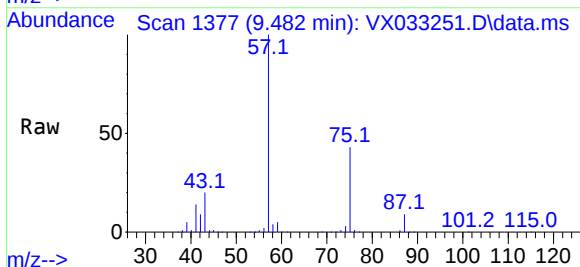
Acq: 06 Dec 2022 01:03

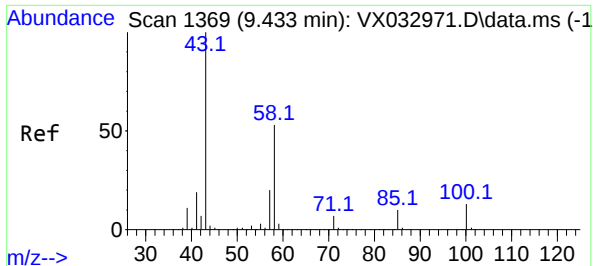
Tgt Ion: 76 Resp: 3980

Ion Ratio Lower Upper

76 100

78 0.0 26.0 39.0#





#59

2-Hexanone

Concen: 46.454 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX033251.D

Acq: 06 Dec 2022 01:03

Instrument :

MSVOA_X

ClientSampleId :

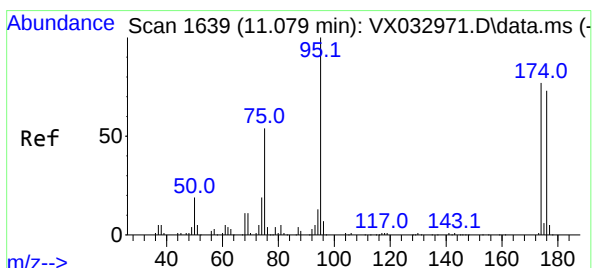
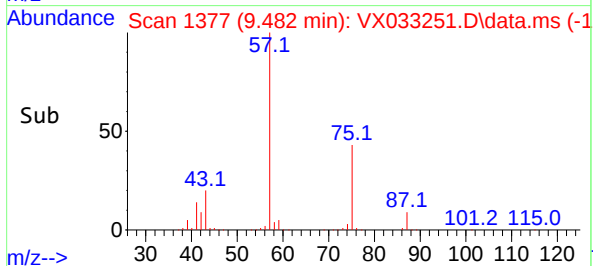
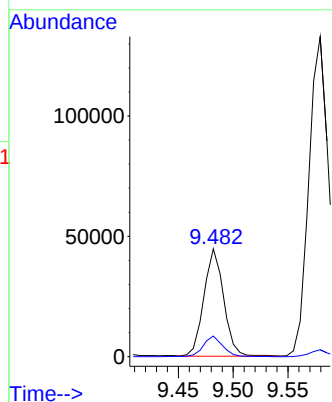
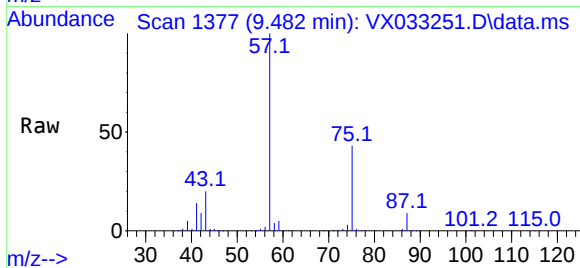
PB149407TB

Tgt Ion: 43 Resp: 56018

Ion Ratio Lower Upper

43 100

58 19.1 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 45.287 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX033251.D

Acq: 06 Dec 2022 01:03

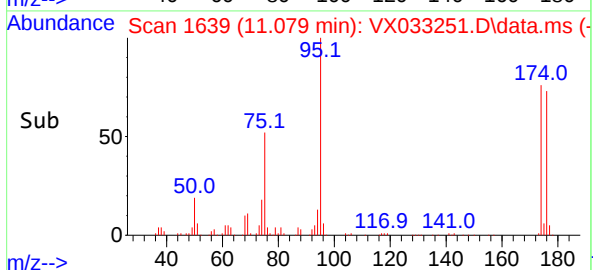
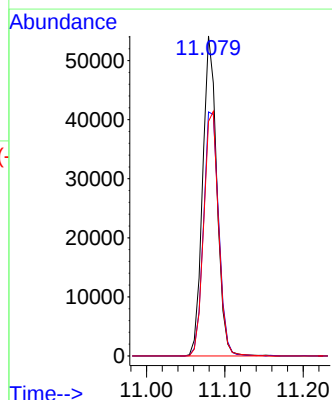
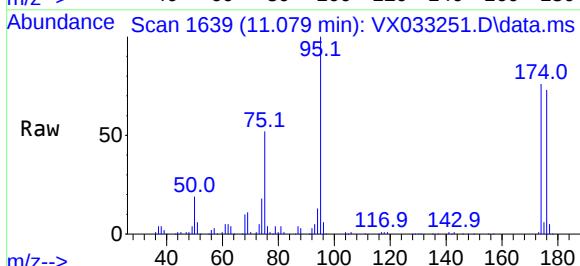
Tgt Ion: 95 Resp: 68215

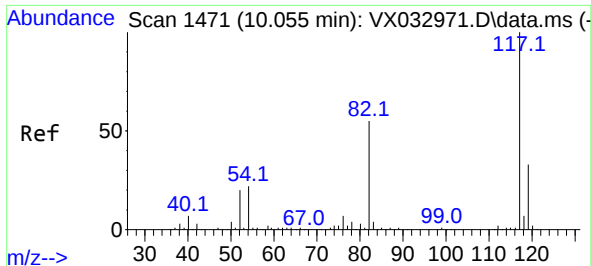
Ion Ratio Lower Upper

95 100

174 81.4 0.0 164.0

176 79.6 0.0 154.4

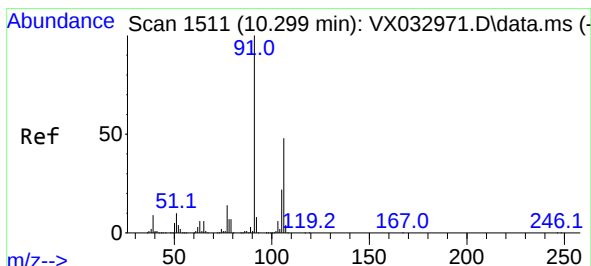
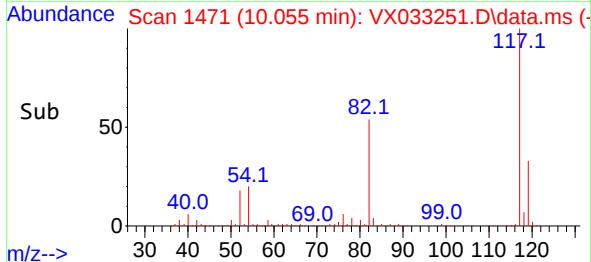
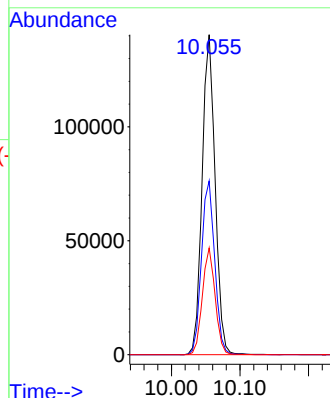
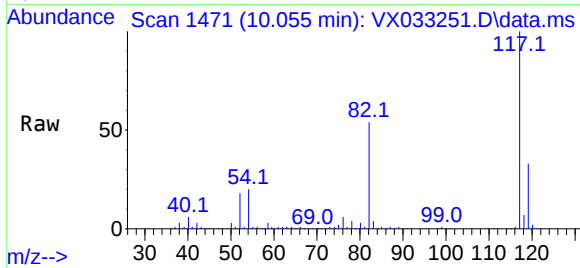




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033251.D
Acq: 06 Dec 2022 01:03

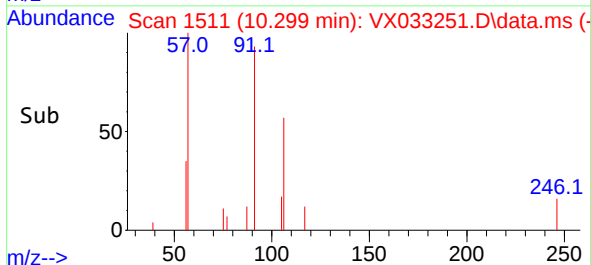
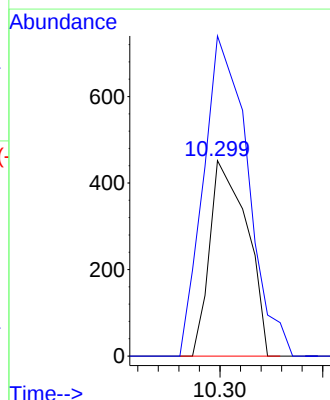
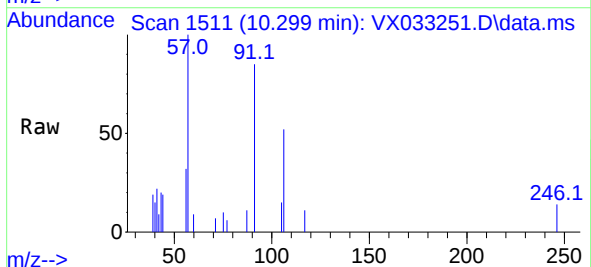
Instrument :
MSVOA_X
ClientSampleId :
PB149407TB

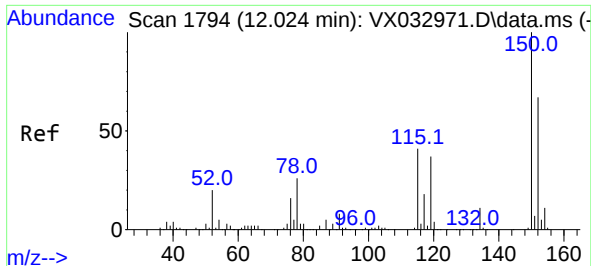
Tgt Ion:117 Resp: 185864
Ion Ratio Lower Upper
117 100
82 54.3 44.3 66.5
119 33.4 25.7 38.5



#68
m/p-Xylenes
Concen: 0.222 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX033251.D
Acq: 06 Dec 2022 01:03

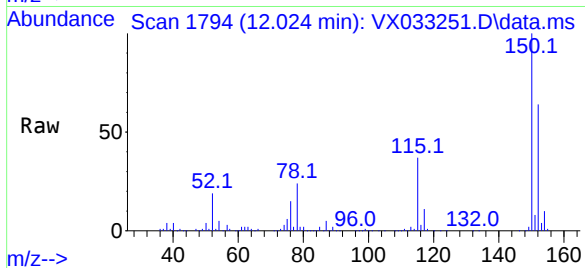
Tgt Ion:106 Resp: 571
Ion Ratio Lower Upper
106 100
91 194.2 164.5 246.7



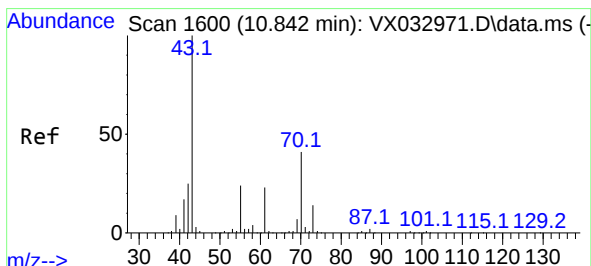
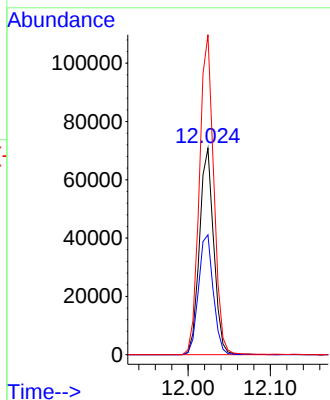
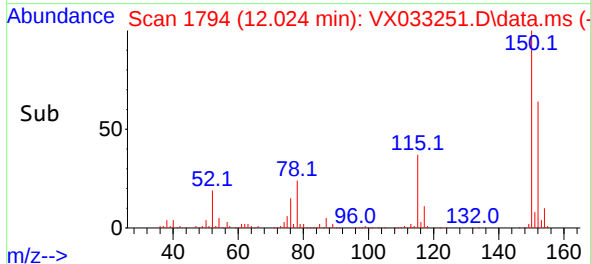


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033251.D
Acq: 06 Dec 2022 01:03

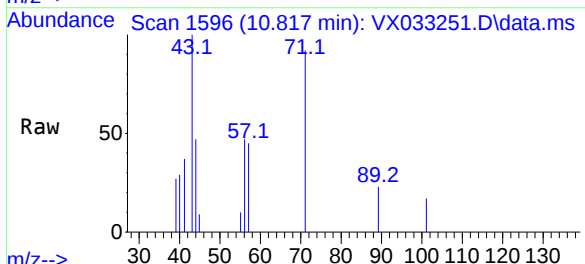
Instrument :
MSVOA_X
ClientSampleId :
PB149407TB



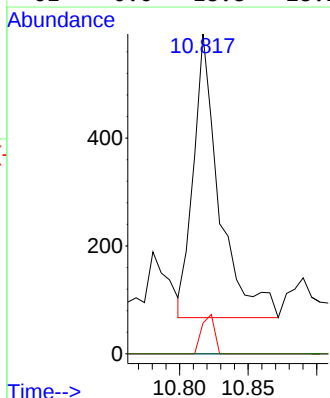
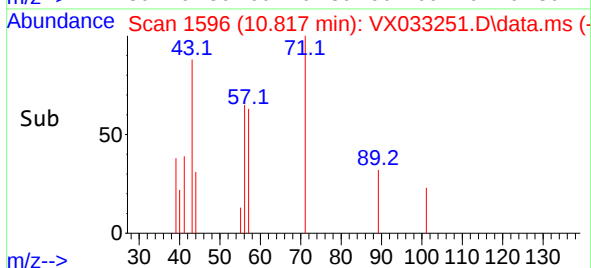
Tgt Ion:152 Resp: 85700
Ion Ratio Lower Upper
152 100
115 60.2 44.0 132.0
150 156.6 0.0 351.8

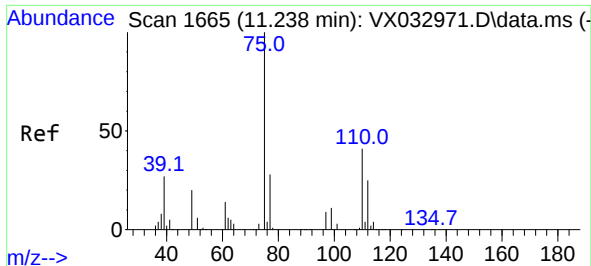


#74
N-ethyl acetate
Concen: 0.331 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX033251.D
Acq: 06 Dec 2022 01:03



Tgt Ion: 43 Resp: 689
Ion Ratio Lower Upper
43 100
70 0.0 33.6 50.4#
55 7.0 19.4 29.2#
61 0.0 18.8 28.2#

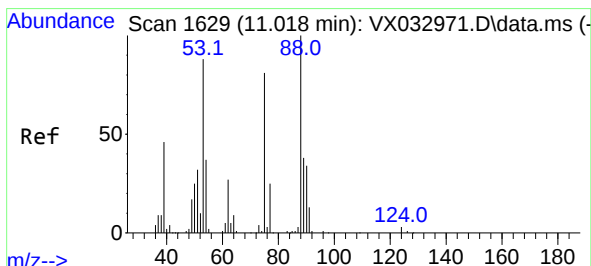
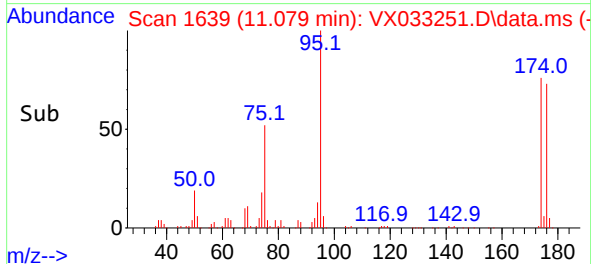
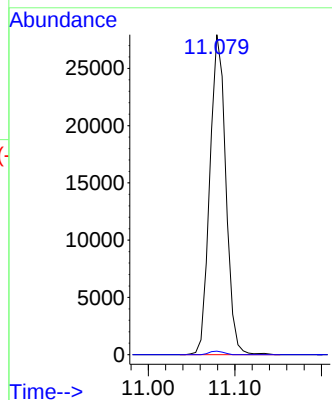
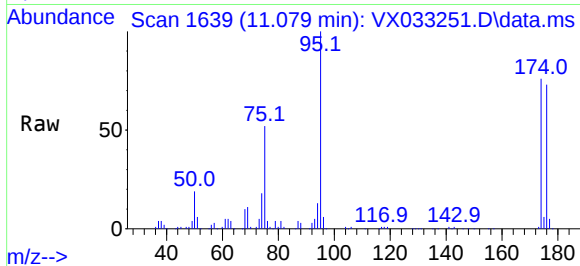




#76
1,2,3-Trichloropropane
Concen: 22.165 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX033251.D
Acq: 06 Dec 2022 01:03

Instrument :
MSVOA_X
ClientSampleId :
PB149407TB

Tgt Ion: 75 Resp: 35974
Ion Ratio Lower Upper
75 100
77 1.0 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.046 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033251.D
Acq: 06 Dec 2022 01:03

Tgt Ion: 75 Resp: 35974
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

