

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101722\
 Data File : VX032183.D
 Acq On : 18 Oct 2022 02:44
 Operator : JC/MD
 Sample : PB148361ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB148361ZHE#02

Quant Time: Oct 18 04:36:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 18 04:18:35 2022
 Response via : Initial Calibration

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

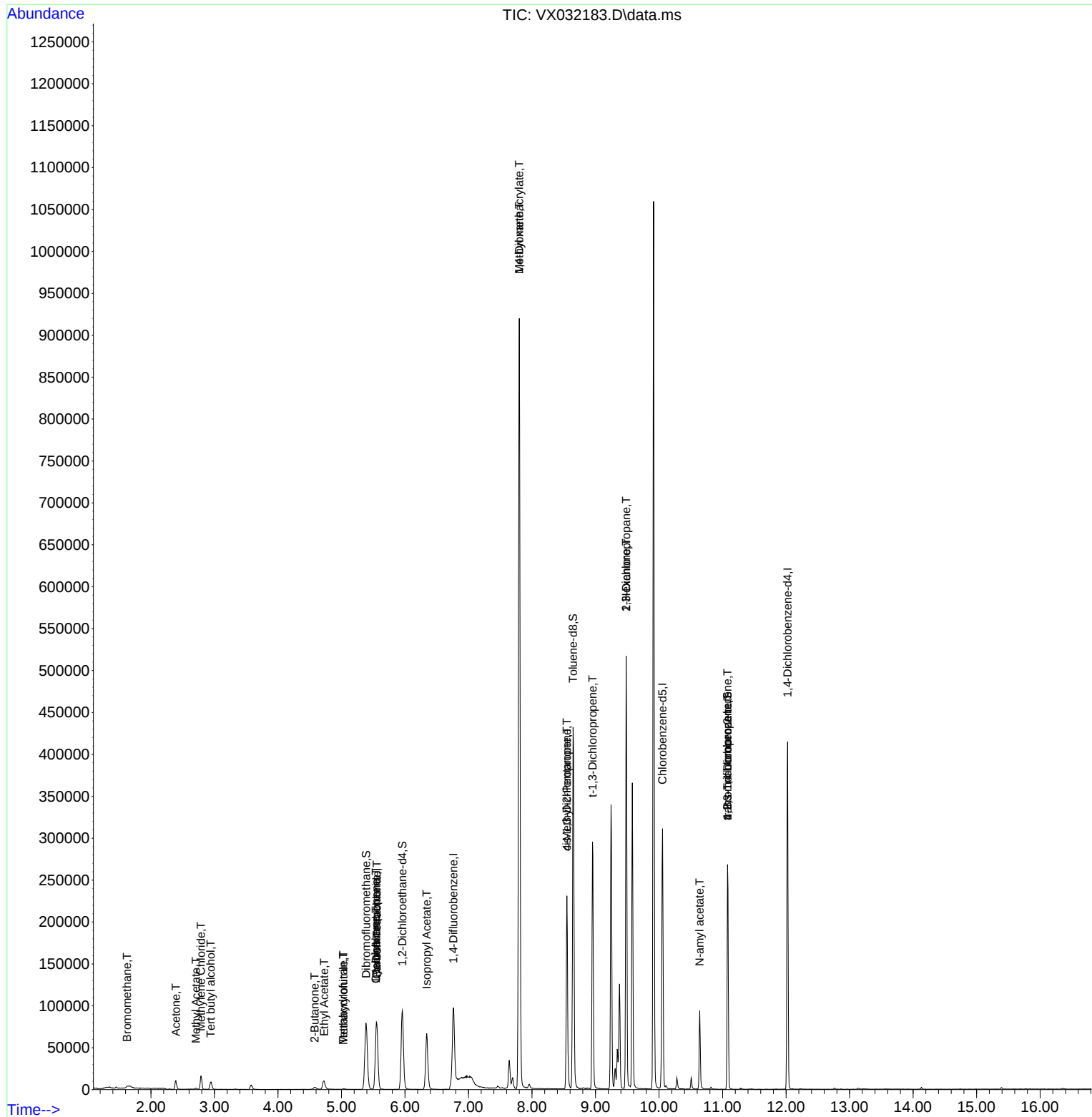
Internal Standards						
1) Pentafluorobenzene	5.550	168	70973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	92710	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	79292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	93865	83.038	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 166.080%#			
35) Dibromofluoromethane	5.385	113	67126	106.115	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 212.220%#			
50) Toluene-d8	8.647	98	244600	110.240	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 220.480%#			
62) 4-Bromofluorobenzene	11.079	95	69326	82.064	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 164.120%#			
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	286	0.460	ug/l #	72
11) Tert butyl alcohol	2.941	59	5574	35.853	ug/l #	75
16) Acetone	2.392	43	12346	45.424	ug/l	100
18) Methyl Acetate	2.709	43	1712	1.547	ug/l	94
20) Methylene Chloride	2.788	84	7043	8.428	ug/l	90
25) 2-Butanone	4.574	43	1653	2.846	ug/l #	84
29) Tetrahydrofuran	5.026	42	273	0.784	ug/l #	82
31) Cyclohexane	5.544	56	1786	1.418	ug/l #	34
36) 1,1-Dichloropropene	5.544	75	6057	6.618	ug/l #	50
37) Ethyl Acetate	4.727	43	18323	19.951	ug/l	99
38) Carbon Tetrachloride	5.556	117	8011	8.266	ug/l #	16
41) Methacrylonitrile	5.032	41	239	0.505	ug/l #	36
43) Isopropyl Acetate	6.342	43	85680	61.909	ug/l	99
48) Methyl methacrylate	7.799	41	84788	120.883	ug/l #	46
49) 1,4-Dioxane	7.799	88	124	8.622	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	77286	91.068	ug/l #	49
53) t-1,3-Dichloropropene	8.952	75	592	0.727	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	33869	35.428	ug/l #	63
57) 1,3-Dichloropropane	9.482	76	4402	4.055	ug/l #	43
59) 2-Hexanone	9.482	43	60509	96.241	ug/l #	51
74) N-amyl acetate	10.640	43	22905	10.913	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	35519	20.659	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35519	79.532	ug/l #	11

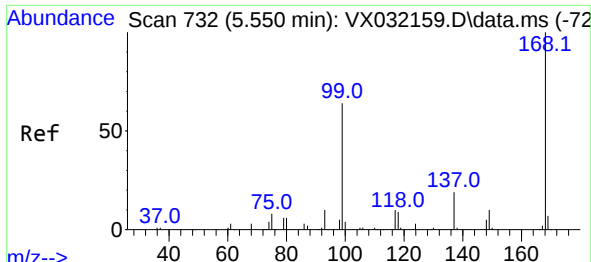
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX032183.D
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Operator : JC/MD
Sample : PB148361ZHE#02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#02

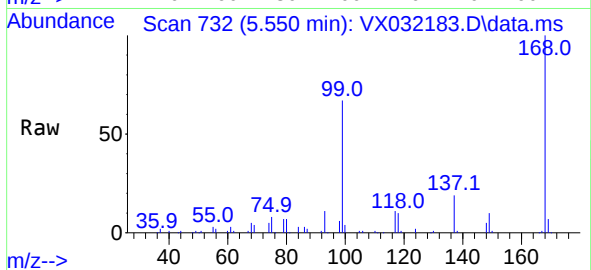
Quant Time: Oct 18 04:36:41 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101722W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 18 04:18:35 2022
Response via : Initial Calibration



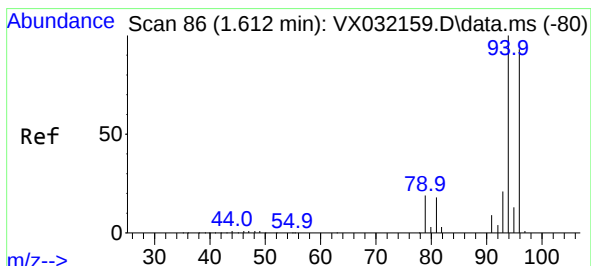
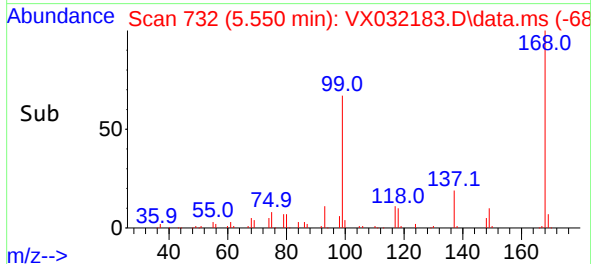
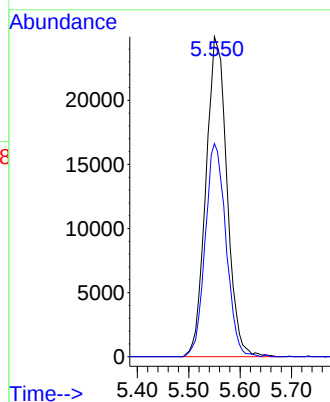


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032183.D
Acq: 18 Oct 2022 02:44

Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#02

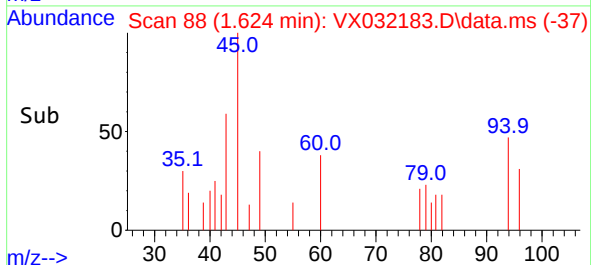
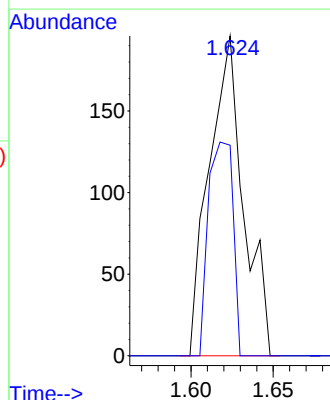
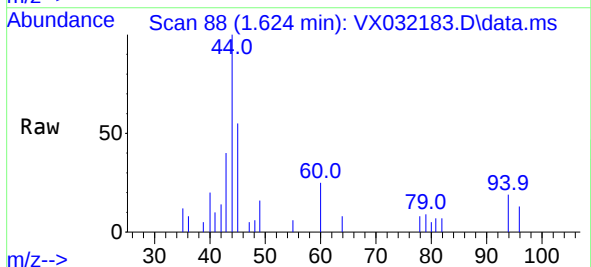


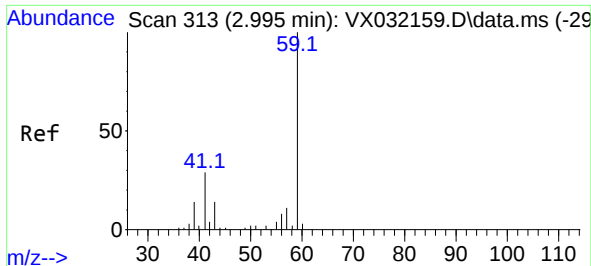
Tgt Ion:168 Resp: 70973
Ion Ratio Lower Upper
168 100
99 66.6 48.8 73.2



#5
Bromomethane
Concen: 0.460 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.012 min
Lab File: VX032183.D
Acq: 18 Oct 2022 02:44

Tgt Ion: 94 Resp: 286
Ion Ratio Lower Upper
94 100
96 65.8 74.4 111.6#





#11

Tert butyl alcohol

Concen: 35.853 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.054 min

Lab File: VX032183.D

Acq: 18 Oct 2022 02:44

Instrument :

MSVOA_X

ClientSampleId :

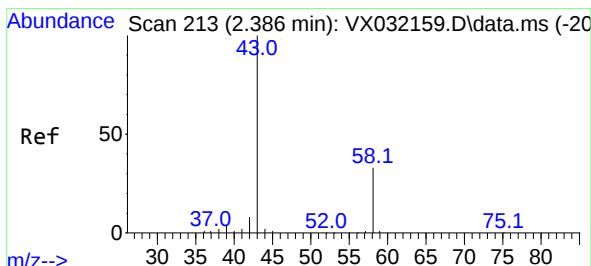
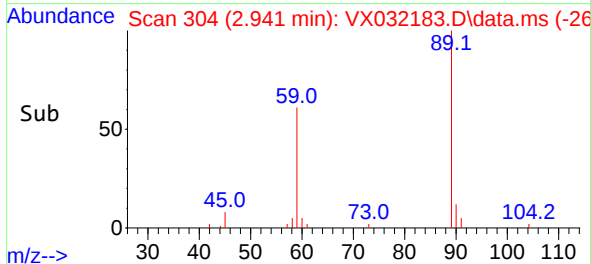
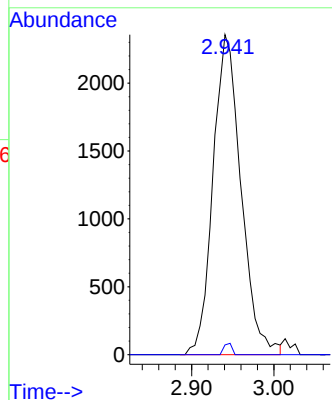
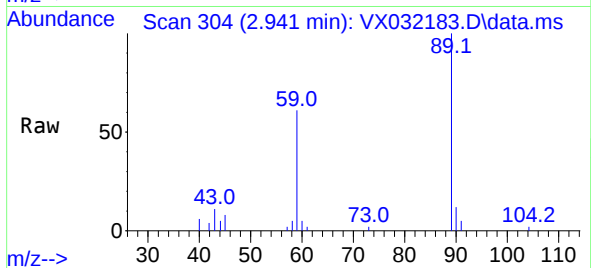
PB148361ZHE#02

Tgt Ion: 59 Resp: 5574

Ion Ratio Lower Upper

59 100

57 1.0 8.2 12.2#



#16

Acetone

Concen: 45.424 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX032183.D

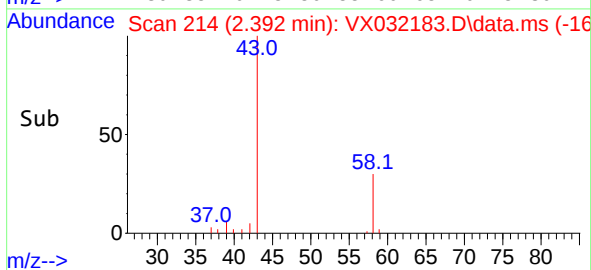
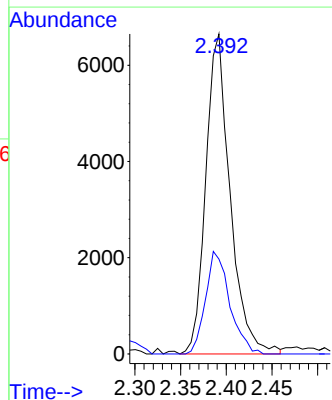
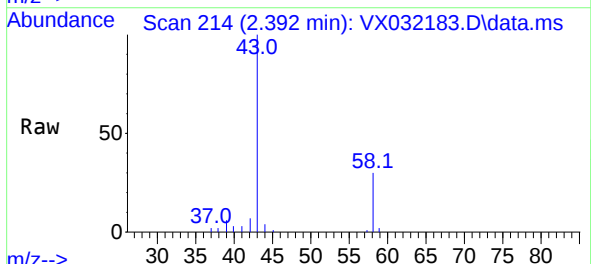
Acq: 18 Oct 2022 02:44

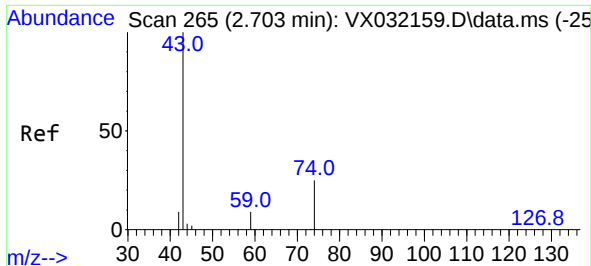
Tgt Ion: 43 Resp: 12346

Ion Ratio Lower Upper

43 100

58 29.6 23.8 35.8





#18

Methyl Acetate

Concen: 1.547 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX032183.D

Acq: 18 Oct 2022 02:44

Instrument :

MSVOA_X

ClientSampleId :

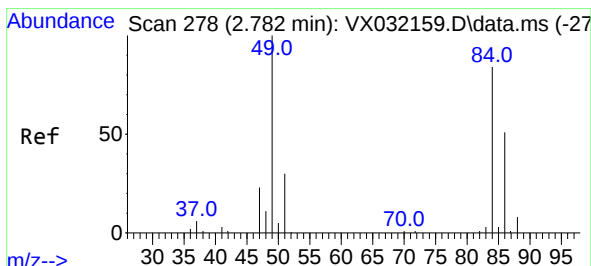
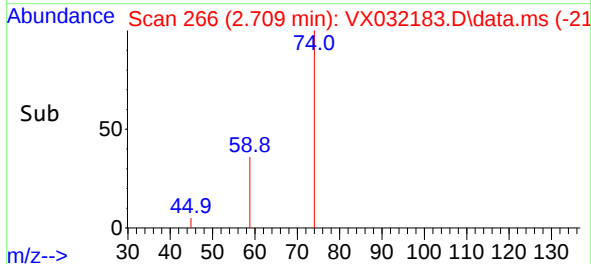
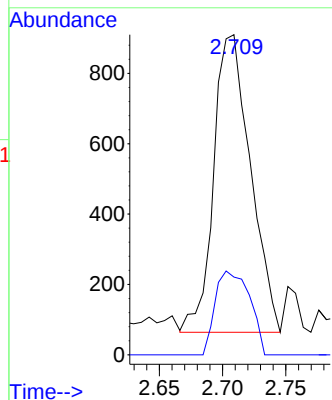
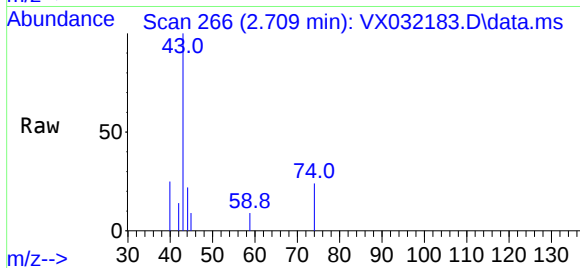
PB148361ZHE#02

Tgt Ion: 43 Resp: 1712

Ion Ratio Lower Upper

43 100

74 26.3 18.6 27.8



#20

Methylene Chloride

Concen: 8.428 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX032183.D

Acq: 18 Oct 2022 02:44

Tgt Ion: 84 Resp: 7043

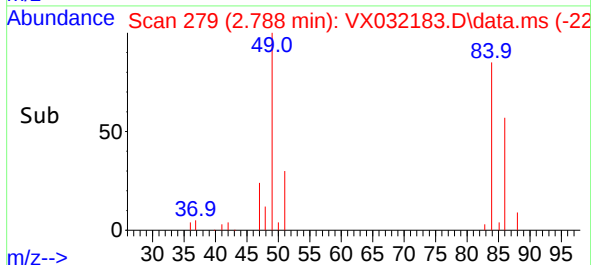
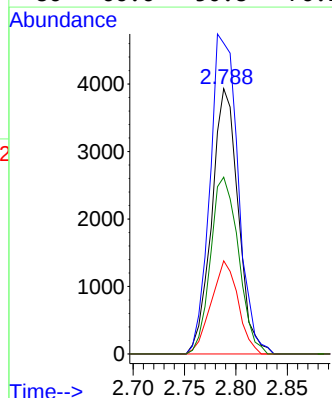
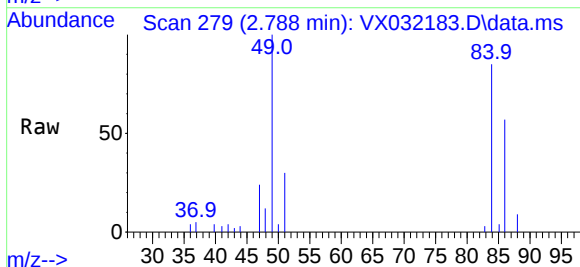
Ion Ratio Lower Upper

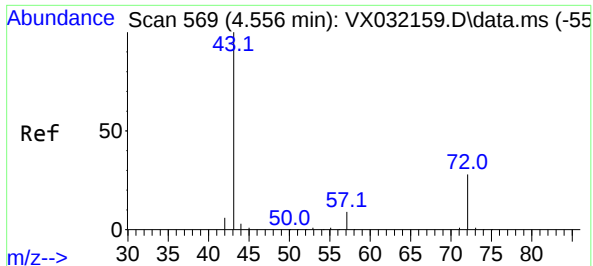
84 100

49 117.1 105.9 158.9

51 35.1 32.2 48.2

86 66.6 50.8 76.2





#25

2-Butanone

Concen: 2.846 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX032183.D

Acq: 18 Oct 2022 02:44

Instrument :

MSVOA_X

ClientSampleId :

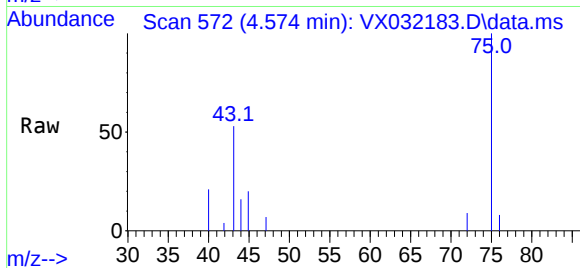
PB148361ZHE#02

Tgt Ion: 43 Resp: 1653

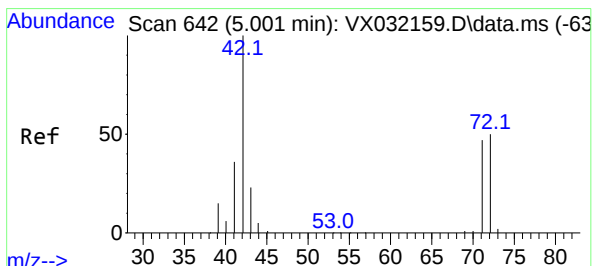
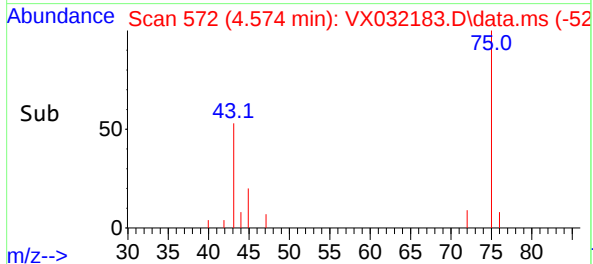
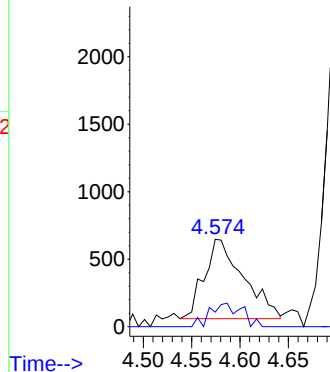
Ion Ratio Lower Upper

43 100

72 18.4 21.1 31.7#



Abundance



#29

Tetrahydrofuran

Concen: 0.784 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.025 min

Lab File: VX032183.D

Acq: 18 Oct 2022 02:44

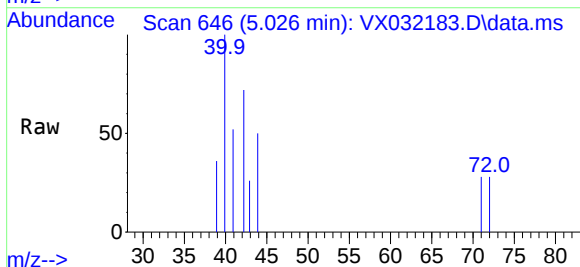
Tgt Ion: 42 Resp: 273

Ion Ratio Lower Upper

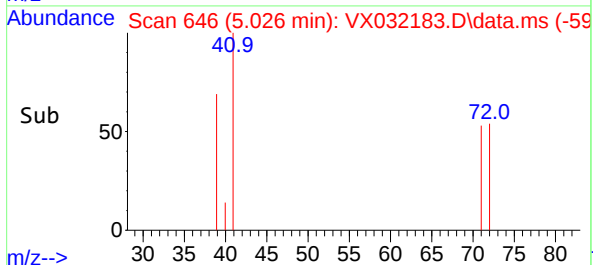
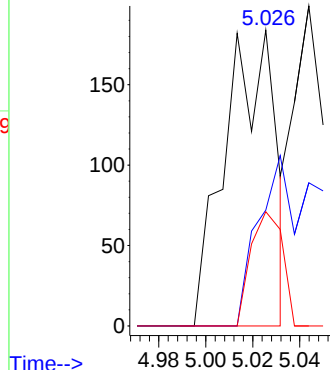
42 100

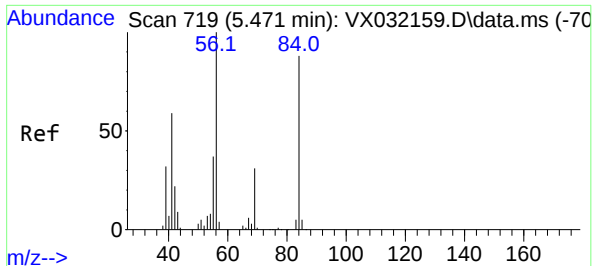
72 39.6 36.4 54.6

71 24.5 33.5 50.3#



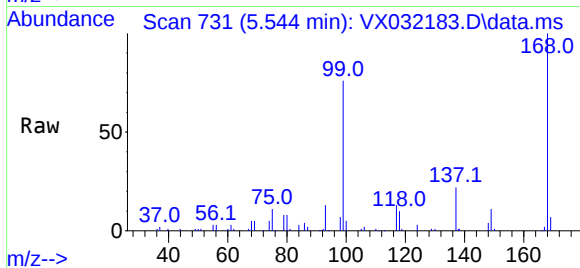
Abundance



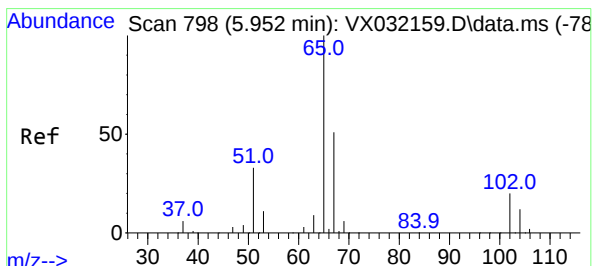
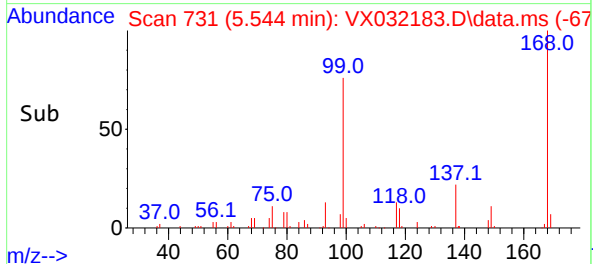
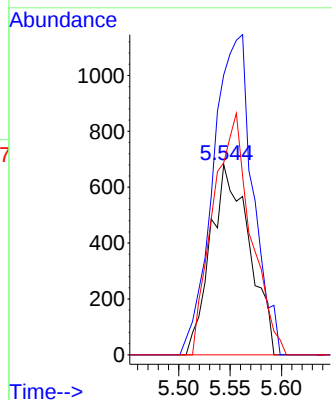


#31
Cyclohexane
Concen: 1.418 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX032183.D
Acq: 18 Oct 2022 02:44

Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#02

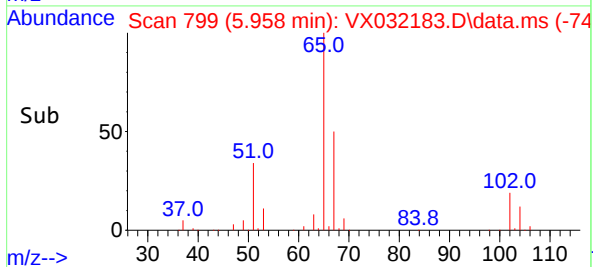
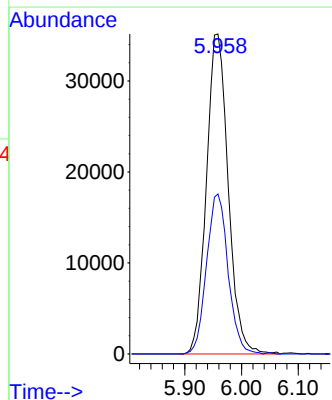
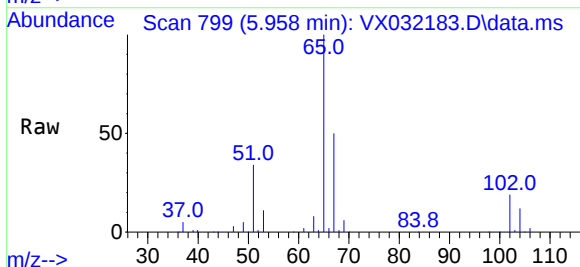


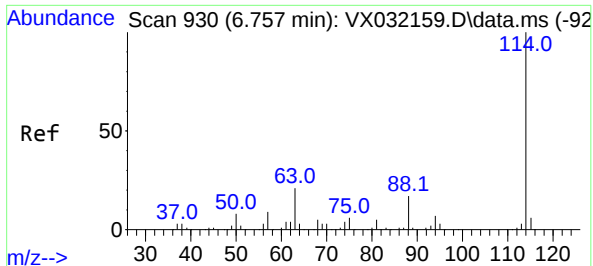
Tgt Ion: 56 Resp: 1786
Ion Ratio Lower Upper
56 100
69 147.1 25.1 37.7#
84 100.9 70.2 105.4



#33
1,2-Dichloroethane-d4
Concen: 83.038 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX032183.D
Acq: 18 Oct 2022 02:44

Tgt Ion: 65 Resp: 93865
Ion Ratio Lower Upper
65 100
67 49.4 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX032183.D

Acq: 18 Oct 2022 02:44

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#02

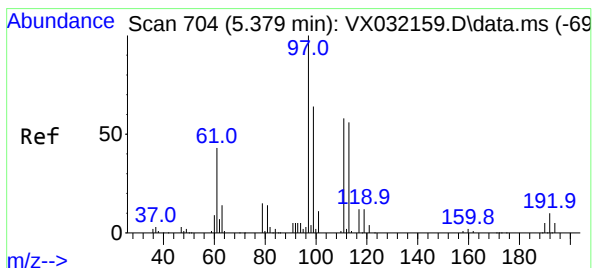
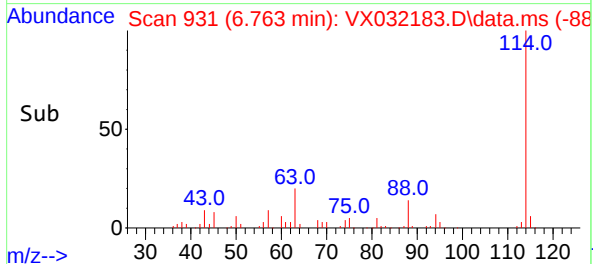
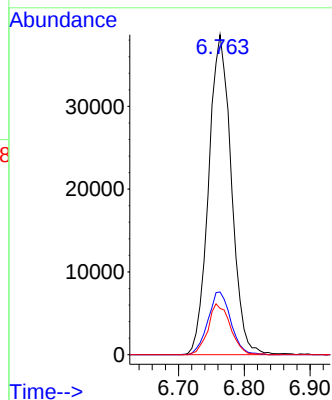
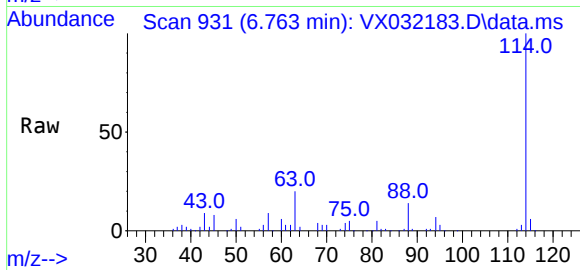
Tgt Ion:114 Resp: 92710

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

88 14.5 0.0 33.0



#35

Dibromofluoromethane

Concen: 106.115 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX032183.D

Acq: 18 Oct 2022 02:44

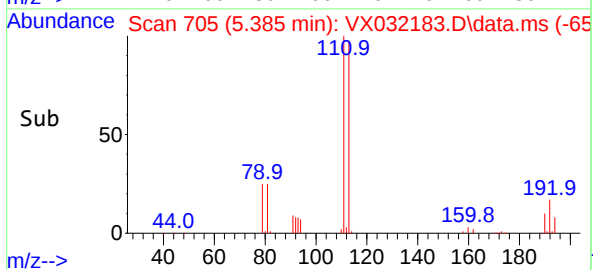
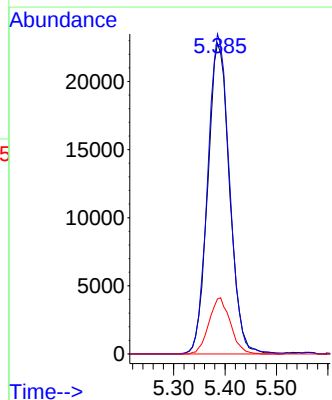
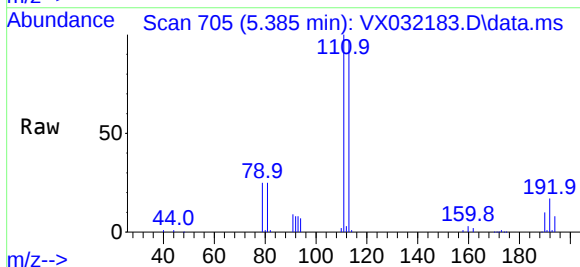
Tgt Ion:113 Resp: 67126

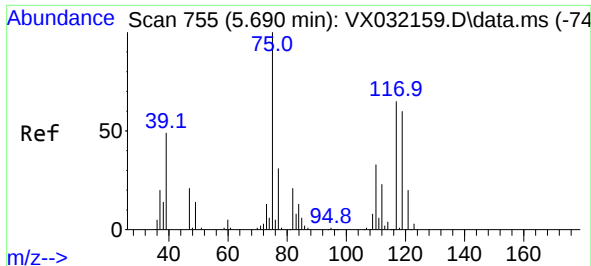
Ion Ratio Lower Upper

113 100

111 103.2 82.4 123.6

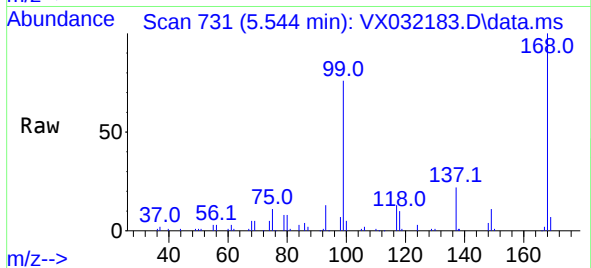
192 17.7 14.1 21.1



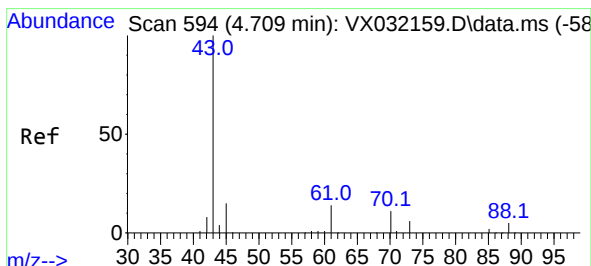
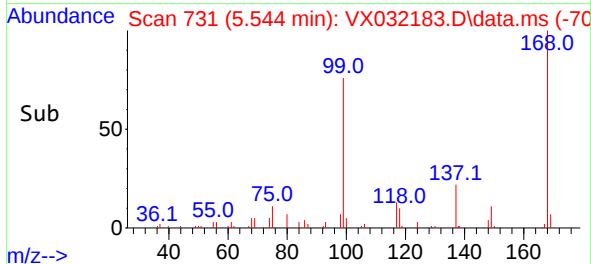
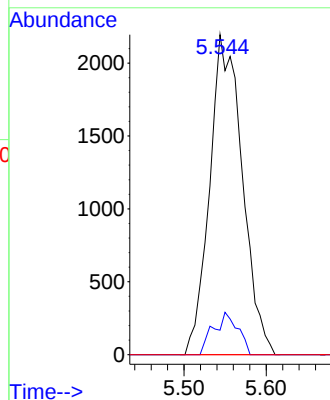


#36
1,1-Dichloropropene
Concen: 6.618 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX032183.D
Acq: 18 Oct 2022 02:44

Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#02

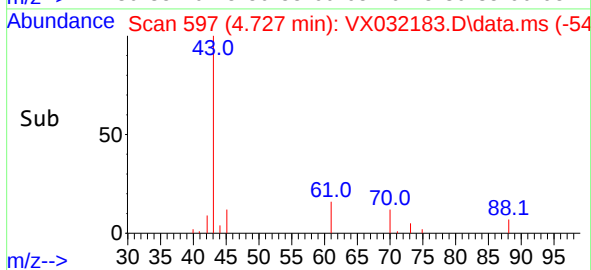
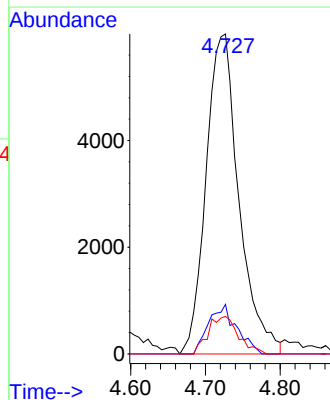
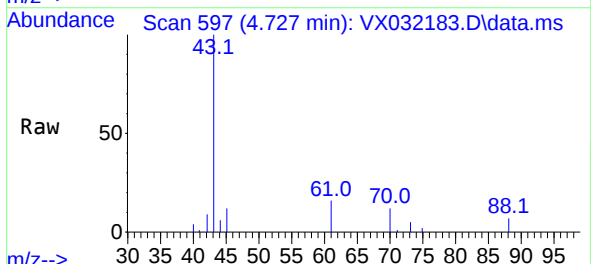


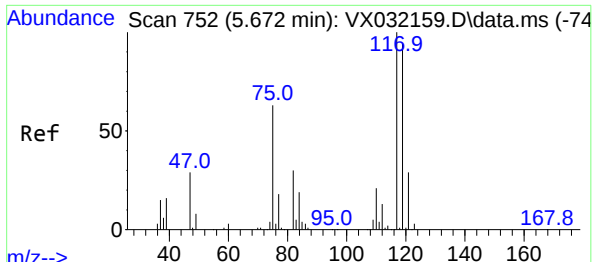
Tgt Ion: 75 Resp: 6057
Ion Ratio Lower Upper
75 100
110 9.9 17.5 52.5#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 19.951 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.018 min
Lab File: VX032183.D
Acq: 18 Oct 2022 02:44

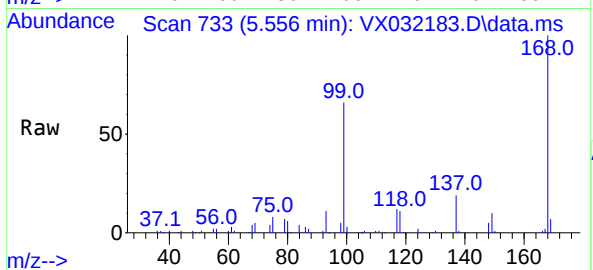
Tgt Ion: 43 Resp: 18323
Ion Ratio Lower Upper
43 100
61 13.2 11.1 16.7
70 10.8 8.6 13.0



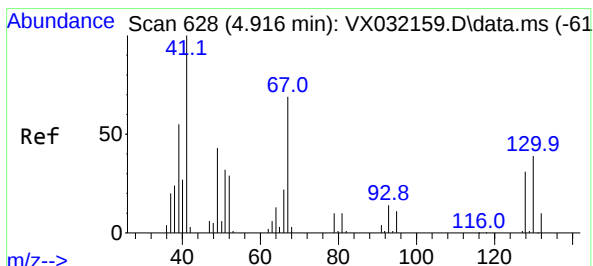
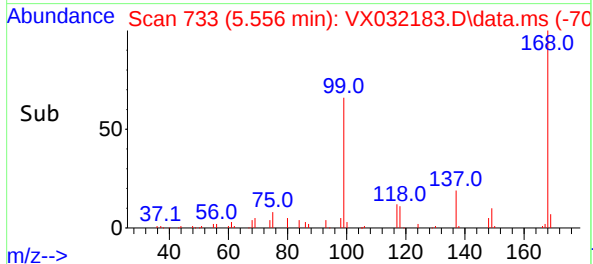
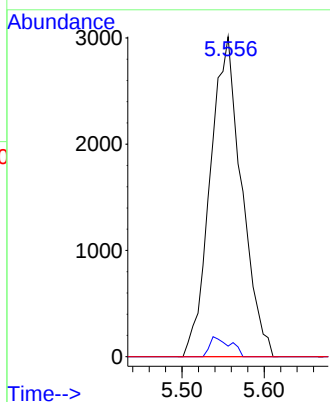


#38
Carbon Tetrachloride
Concen: 8.266 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX032183.D
Acq: 18 Oct 2022 02:44

Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#02

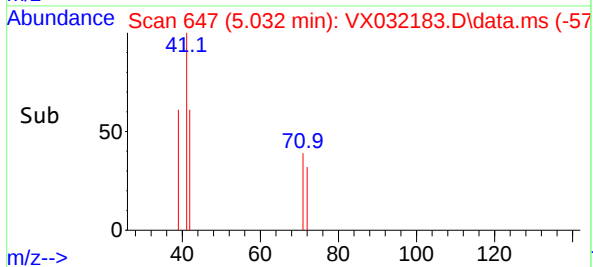
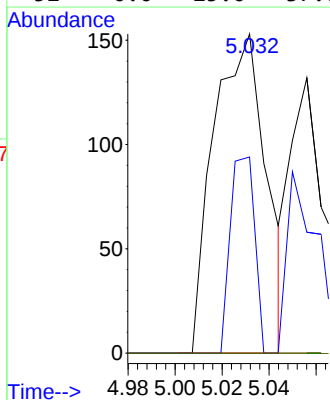
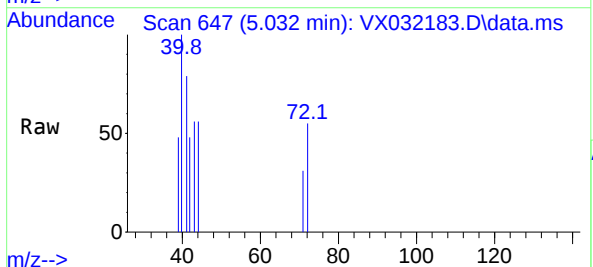


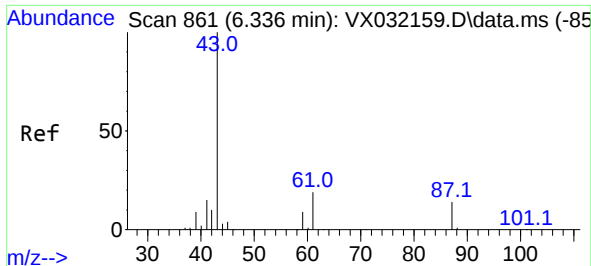
Tgt Ion:117 Resp: 8011
Ion Ratio Lower Upper
117 100
119 3.3 74.6 112.0#
121 0.0 25.3 37.9#



#41
Methacrylonitrile
Concen: 0.505 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.116 min
Lab File: VX032183.D
Acq: 18 Oct 2022 02:44

Tgt Ion: 41 Resp: 239
Ion Ratio Lower Upper
41 100
39 28.5 45.0 67.6#
67 0.0 58.2 87.4#
52 0.0 25.0 37.6#

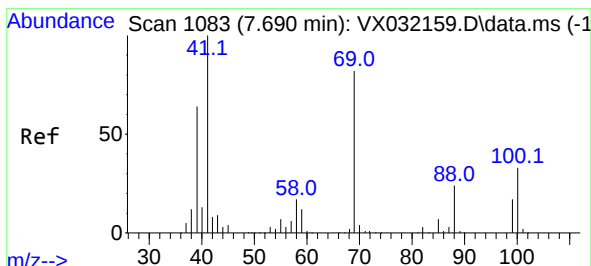
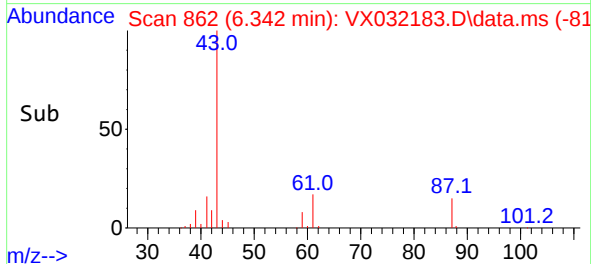
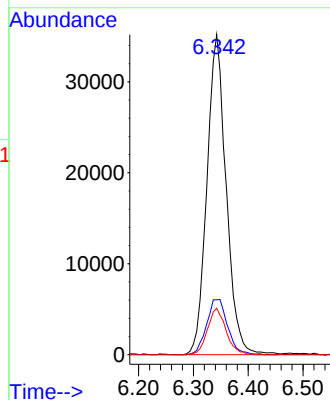
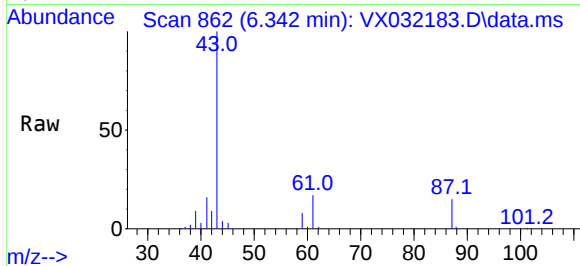




#43
Isopropyl Acetate
Concen: 61.909 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX032183.D
Acq: 18 Oct 2022 02:44

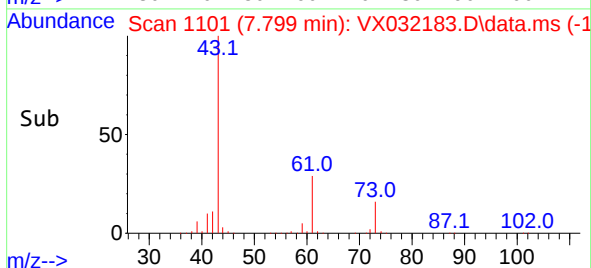
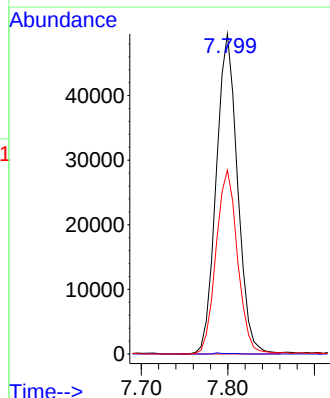
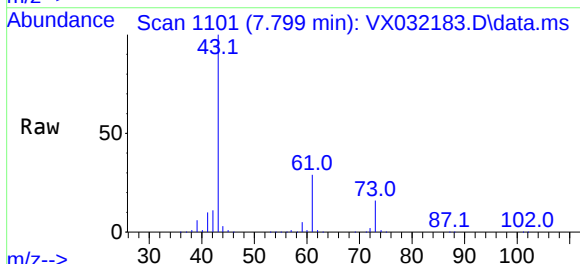
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#02

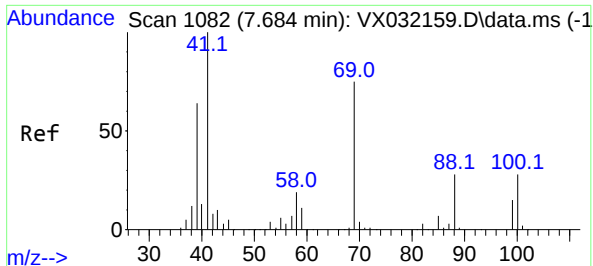
Tgt Ion: 43 Resp: 85680
Ion Ratio Lower Upper
43 100
61 18.9 15.3 22.9
87 13.9 10.6 15.8



#48
Methyl methacrylate
Concen: 120.883 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.109 min
Lab File: VX032183.D
Acq: 18 Oct 2022 02:44

Tgt Ion: 41 Resp: 84788
Ion Ratio Lower Upper
41 100
69 0.2 64.6 96.8#
39 58.0 51.4 77.0





#49

1,4-Dioxane

Concen: 8.622 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.115 min

Lab File: VX032183.D

Acq: 18 Oct 2022 02:44

Instrument :

MSVOA_X

ClientSampleId :

PB148361ZHE#02

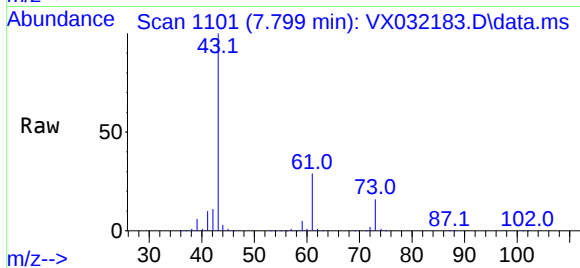
Tgt Ion: 88 Resp: 124

Ion Ratio Lower Upper

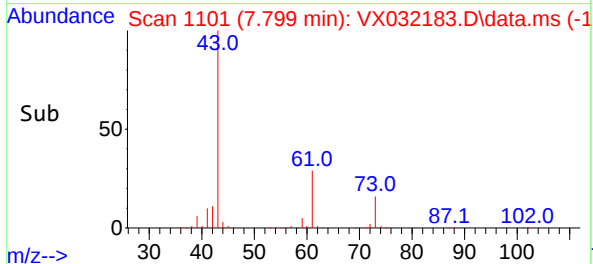
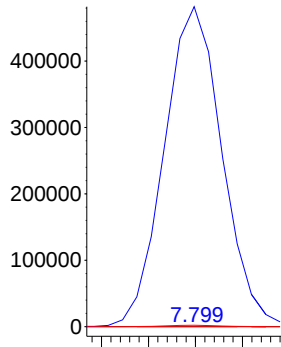
88 100

43 669473.4 27.1 40.7#

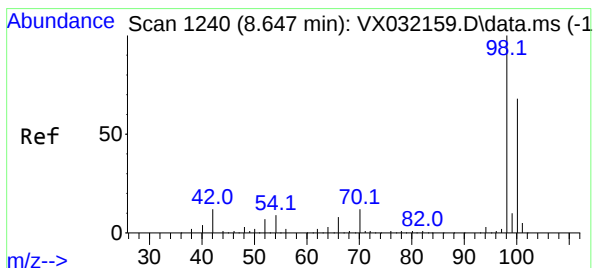
58 2993.5 53.9 80.9#



Abundance



Time-->



#50

Toluene-d8

Concen: 110.240 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX032183.D

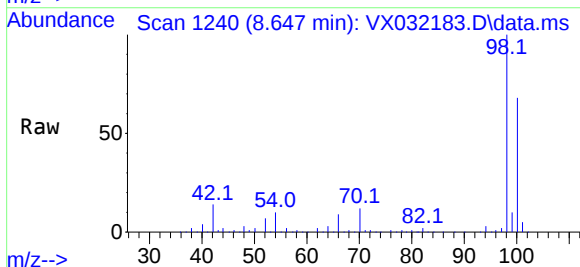
Acq: 18 Oct 2022 02:44

Tgt Ion: 98 Resp: 244600

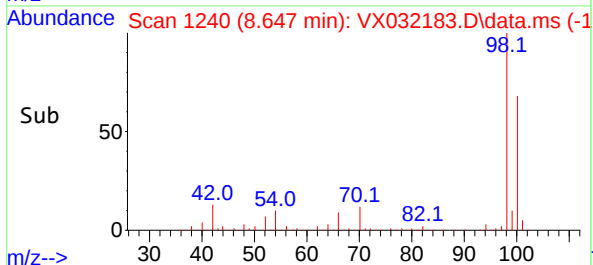
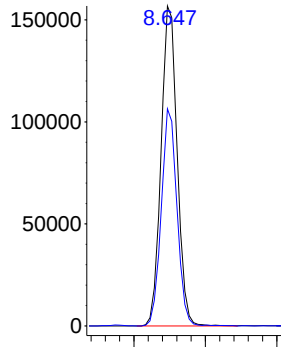
Ion Ratio Lower Upper

98 100

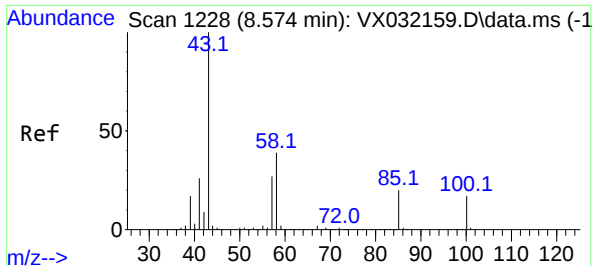
100 66.1 52.5 78.7



Abundance



Time-->



#51

4-Methyl-2-Pentanone

Concen: 91.068 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX032183.D

Acq: 18 Oct 2022 02:44

Instrument :

MSVOA_X

ClientSampleId :

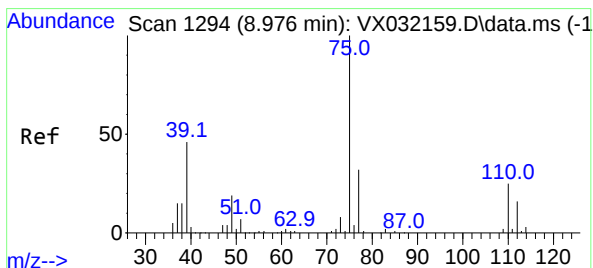
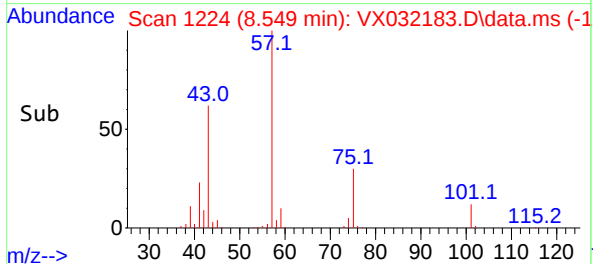
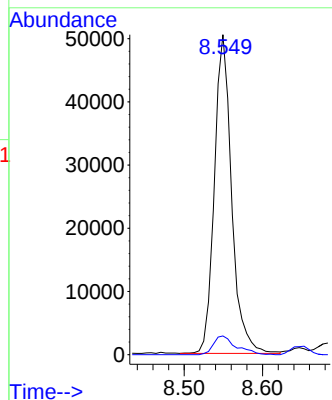
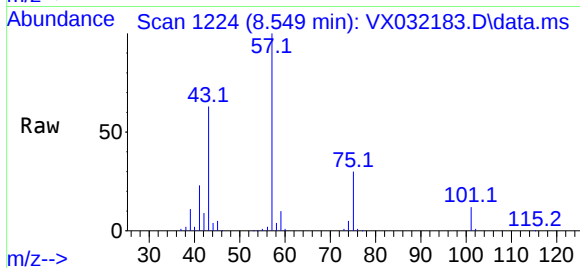
PB148361ZHE#02

Tgt Ion: 43 Resp: 77286

Ion Ratio Lower Upper

43 100

58 7.7 30.6 46.0#



#53

t-1,3-Dichloropropene

Concen: 0.727 ug/l

RT: 8.952 min Scan# 1290

Delta R.T. -0.024 min

Lab File: VX032183.D

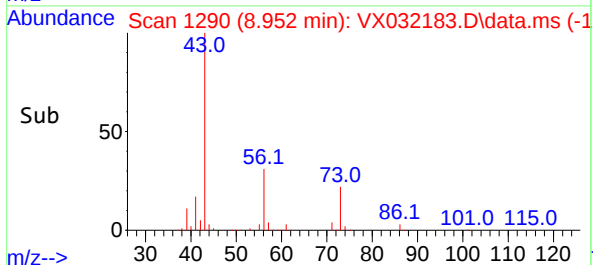
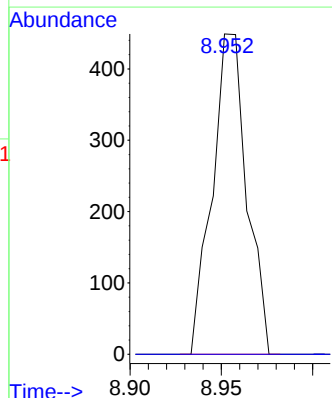
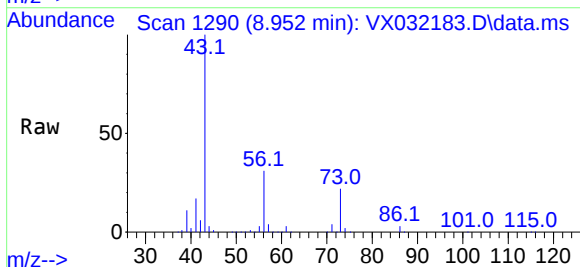
Acq: 18 Oct 2022 02:44

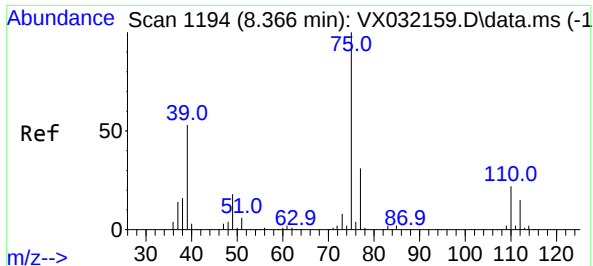
Tgt Ion: 75 Resp: 592

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

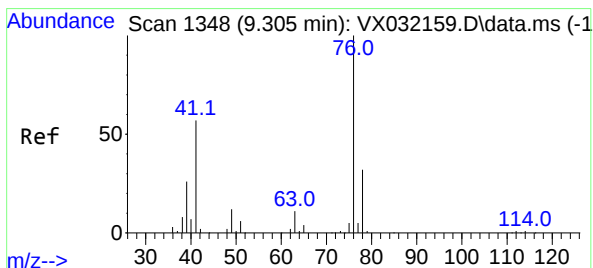
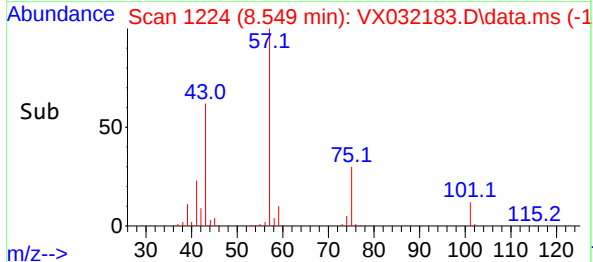
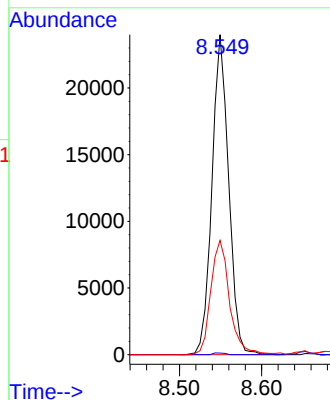
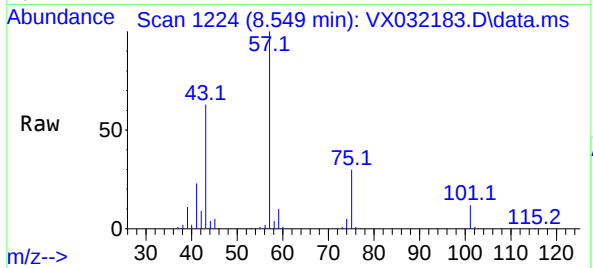




#54
 cis-1,3-Dichloropropene
 Concen: 35.428 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX032183.D
 Acq: 18 Oct 2022 02:44

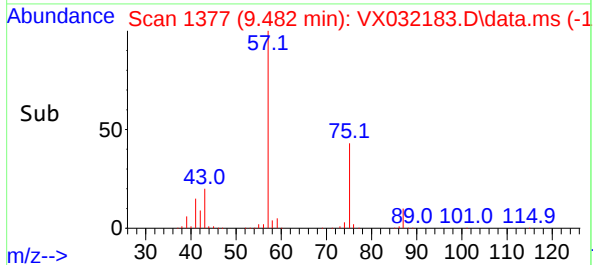
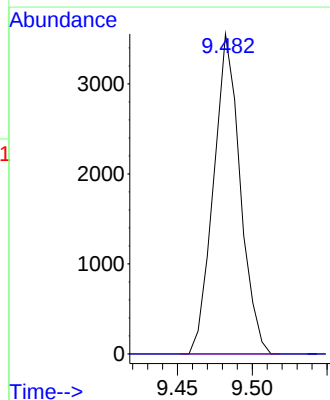
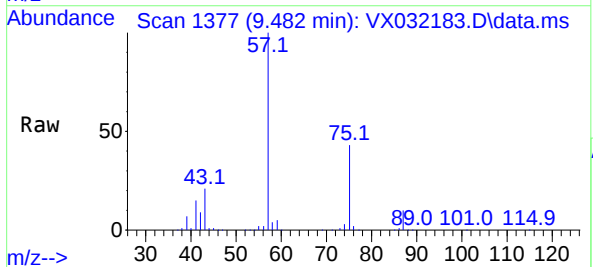
Instrument :
 MSVOA_X
 ClientSampleId :
 PB148361ZHE#02

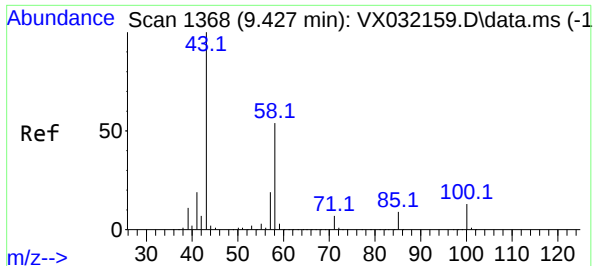
Tgt Ion: 75 Resp: 33869
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.4 36.6#
 39 35.7 43.7 65.5#



#57
 1,3-Dichloropropane
 Concen: 4.055 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX032183.D
 Acq: 18 Oct 2022 02:44

Tgt Ion: 76 Resp: 4402
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#

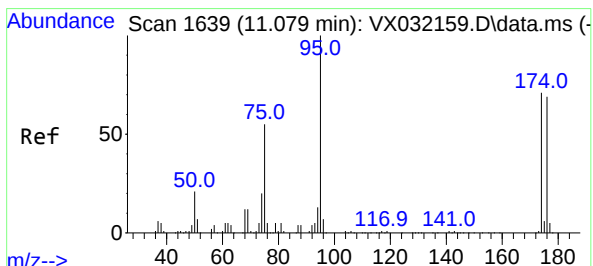
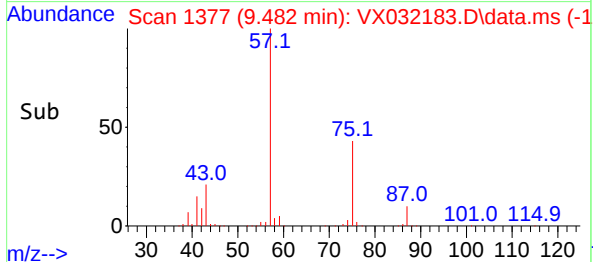
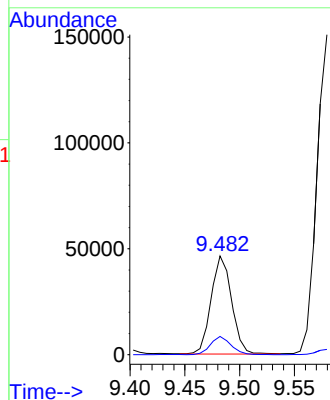
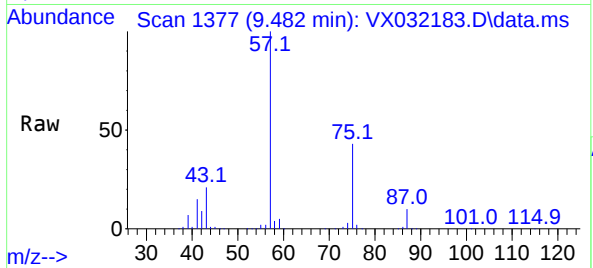




#59
2-Hexanone
Concen: 96.241 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX032183.D
Acq: 18 Oct 2022 02:44

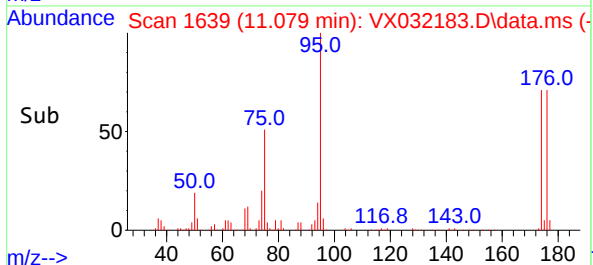
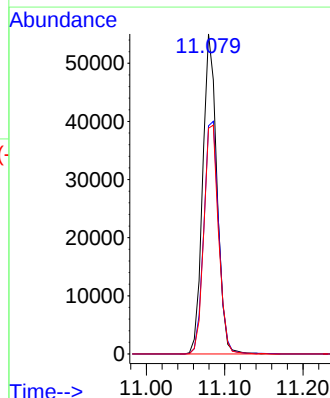
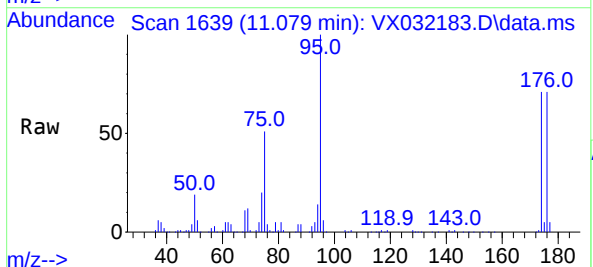
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#02

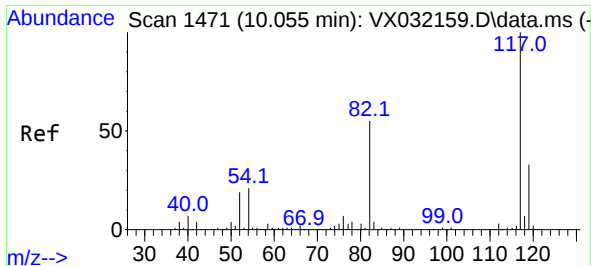
Tgt Ion: 43 Resp: 60509
Ion Ratio Lower Upper
43 100
58 18.5 26.7 80.0#



#62
4-Bromofluorobenzene
Concen: 82.064 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032183.D
Acq: 18 Oct 2022 02:44

Tgt Ion: 95 Resp: 69326
Ion Ratio Lower Upper
95 100
174 76.1 0.0 153.2
176 73.7 0.0 144.0

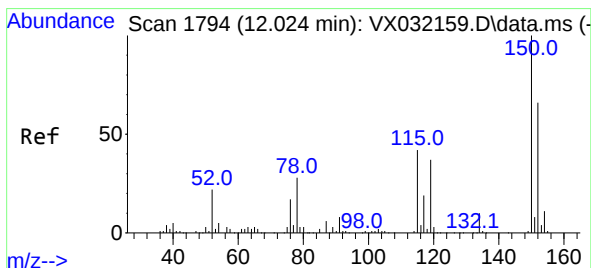
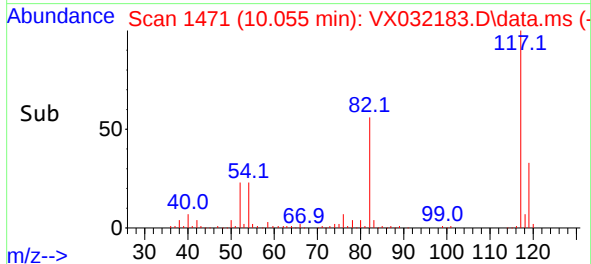
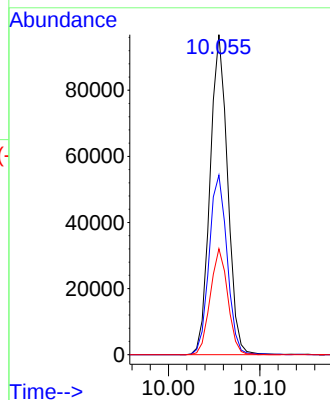
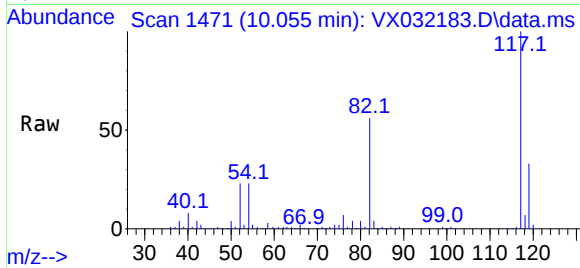




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032183.D
Acq: 18 Oct 2022 02:44

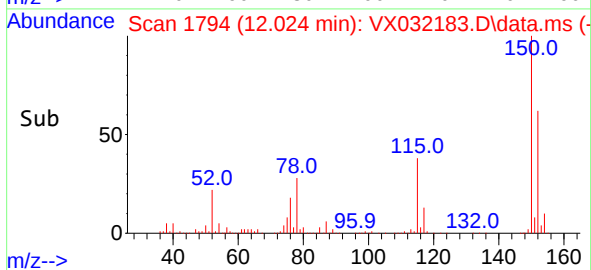
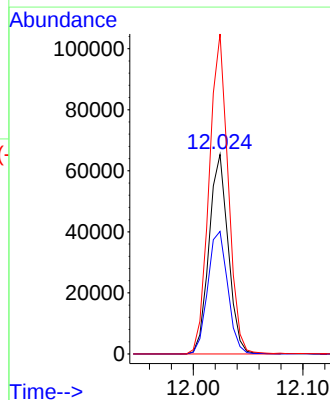
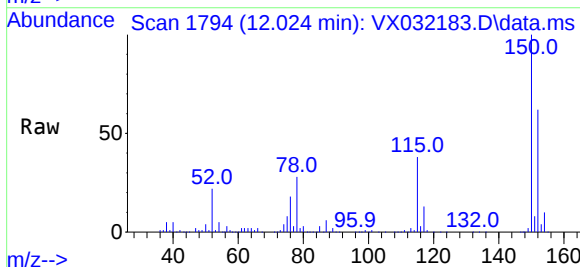
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#02

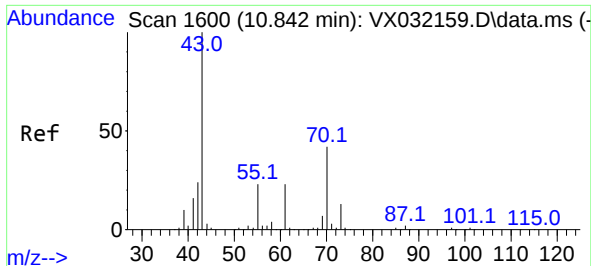
Tgt Ion:117 Resp: 128795
Ion Ratio Lower Upper
117 100
82 56.1 46.8 70.2
119 33.1 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032183.D
Acq: 18 Oct 2022 02:44

Tgt Ion:152 Resp: 79292
Ion Ratio Lower Upper
152 100
115 64.2 43.4 130.1
150 159.4 0.0 346.8

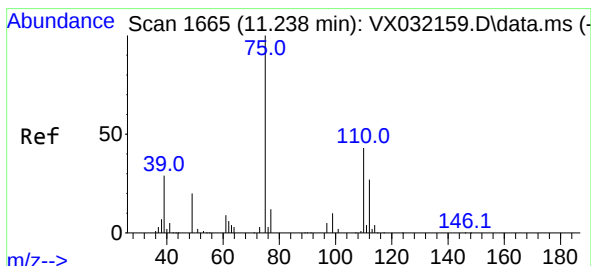
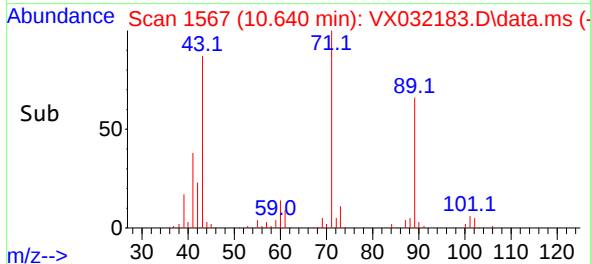
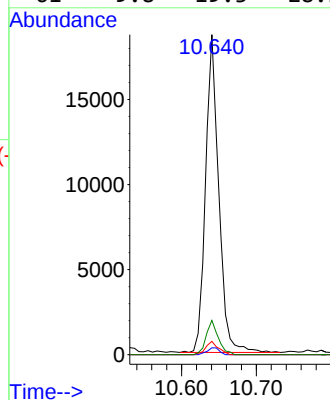
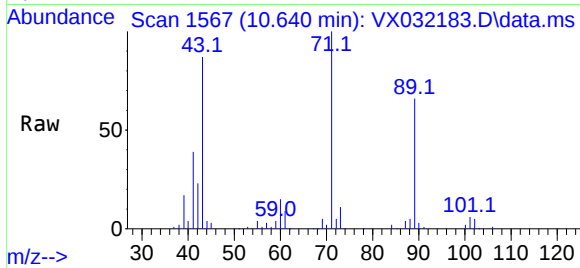




#74
N-amy1 acetate
Concen: 10.913 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.202 min
Lab File: VX032183.D
Acq: 18 Oct 2022 02:44

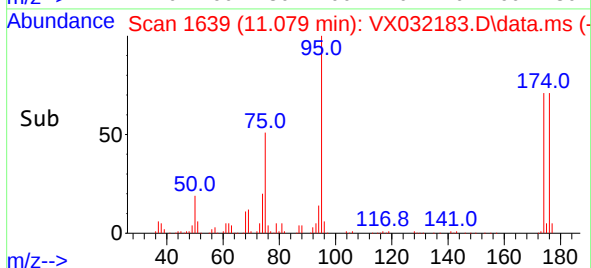
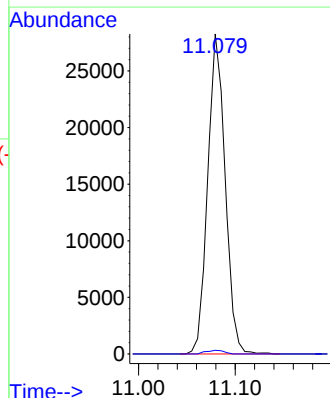
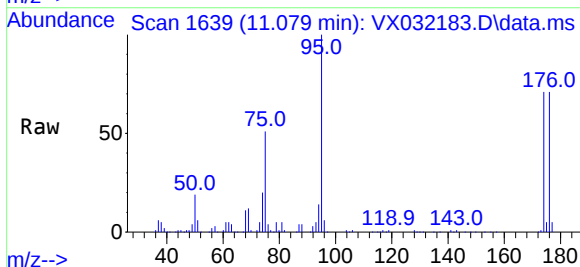
Instrument :
MSVOA_X
ClientSampleId :
PB148361ZHE#02

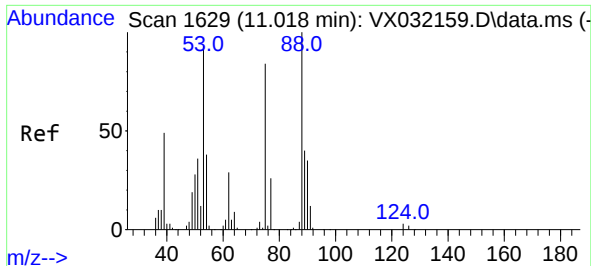
Tgt Ion:	43	Resp:	22905
Ion	Ratio	Lower	Upper
43	100		
70	2.0	33.4	50.2#
55	4.0	18.2	27.2#
61	9.8	19.3	28.9#



#76
1,2,3-Trichloropropane
Concen: 20.659 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032183.D
Acq: 18 Oct 2022 02:44

Tgt Ion:	75	Resp:	35519
Ion	Ratio	Lower	Upper
75	100		
77	1.2	20.3	60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.532 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX032183.D
 Acq: 18 Oct 2022 02:44

Instrument :
 MSVOA_X
 ClientSampleId :
 PB148361ZHE#02

Tgt Ion: 75 Resp: 35519
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.1 37.4 56.0#

