

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
 Data File : VX037343.D
 Acq On : 29 Aug 2023 15:40
 Operator : JC/MD
 Sample : 04208-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-01-190-082823-H

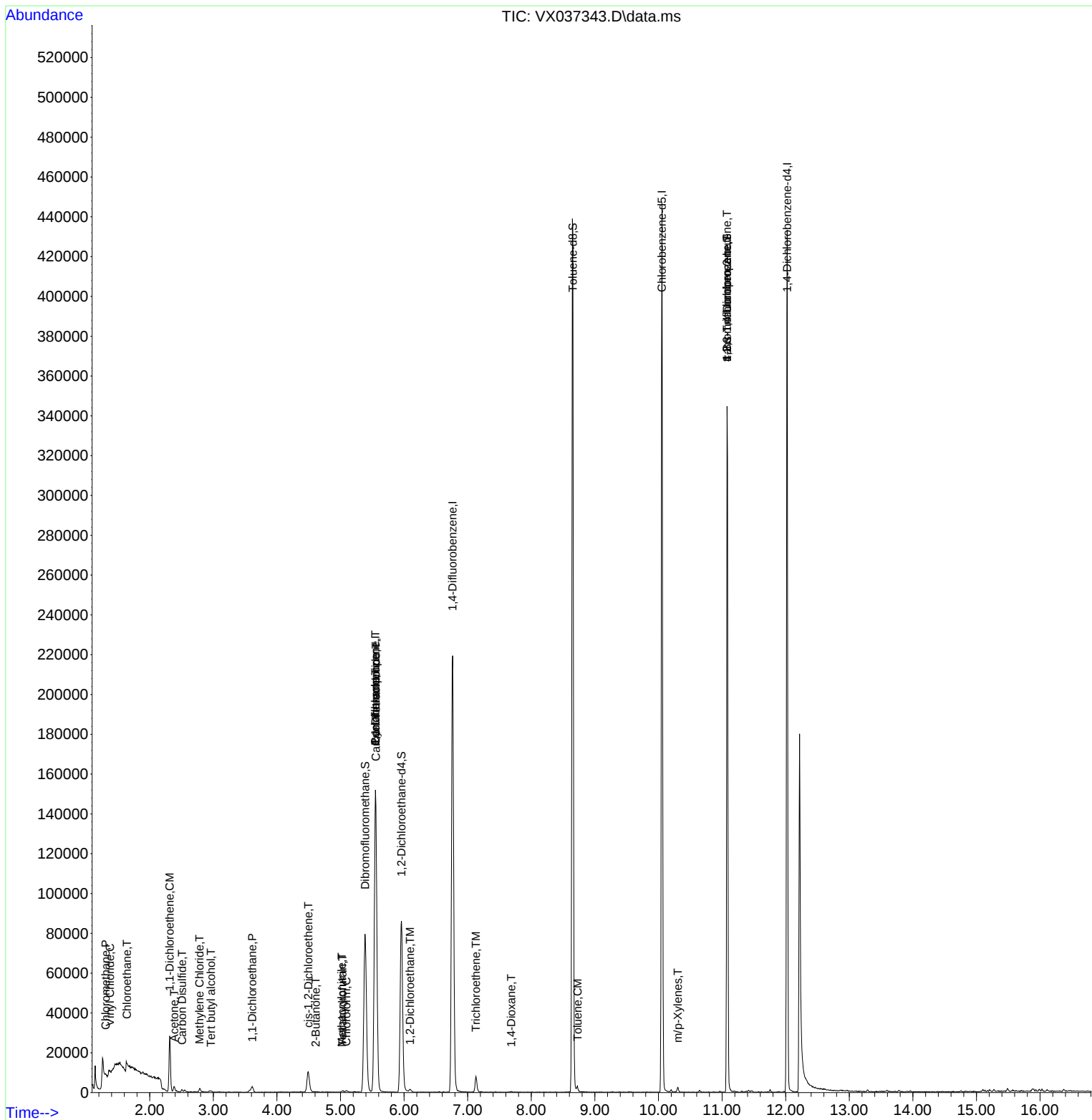
Quant Time: Aug 30 02:07:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

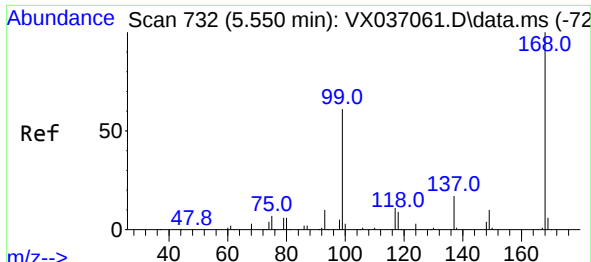
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	142077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	234344	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	205043	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	91545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	87497	42.717	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	85.440%		
35) Dibromofluoromethane	5.385	113	72671	46.824	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.640%		
50) Toluene-d8	8.653	98	273589	48.597	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.200%		
62) 4-Bromofluorobenzene	11.079	95	98166	44.371	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.740%		
Target Compounds					Qvalue	
3) Chloromethane	1.306	50	360	0.249	ug/l #	43
4) Vinyl Chloride	1.373	62	365	0.232	ug/l #	1
6) Chloroethane	1.642	64	10358	11.200	ug/l #	49
11) Tert butyl alcohol	2.965	59	852	1.773	ug/l #	78
12) 1,1-Dichloroethene	2.312	96	9254	6.327	ug/l	82
16) Acetone	2.385	43	2764	3.449	ug/l	94
17) Carbon Disulfide	2.507	76	1611	0.433	ug/l	100
20) Methylene Chloride	2.782	84	1032	0.576	ug/l #	67
24) 1,1-Dichloroethane	3.611	63	3393	1.165	ug/l #	95
25) 2-Butanone	4.611	43	449	0.372	ug/l #	51
27) cis-1,2-Dichloroethene	4.495	96	7236	3.692	ug/l	78
29) Tetrahydrofuran	5.031	42	639	0.830	ug/l #	69
30) Chloroform	5.092	83	823	0.252	ug/l	88
31) Cyclohexane	5.550	56	2834	1.230	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11192	5.076	ug/l #	51
38) Carbon Tetrachloride	5.556	117	14810	6.183	ug/l #	15
41) Methacrylonitrile	5.019	41	306	0.261	ug/l #	33
42) 1,2-Dichloroethane	6.092	62	1546	0.623	ug/l	91
44) Trichloroethene	7.128	130	3329	1.856	ug/l	87
49) 1,4-Dioxane	7.683	88	351	7.473	ug/l #	90
52) Toluene	8.726	92	1097	0.263	ug/l	99
68) m/p-Xylenes	10.305	106	644	0.219	ug/l	81
76) 1,2,3-Trichloropropane	11.079	75	47980	24.610	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	47980	68.737	ug/l #	5

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

Quant Time: Aug 30 02:07:29 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration

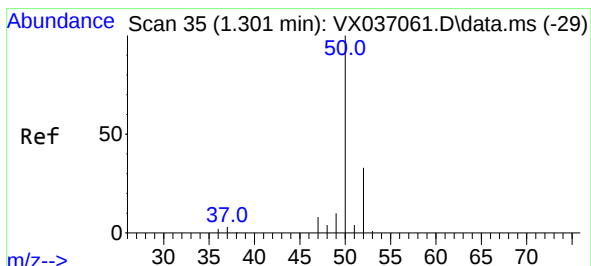
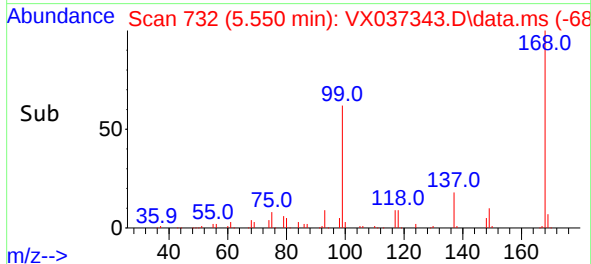
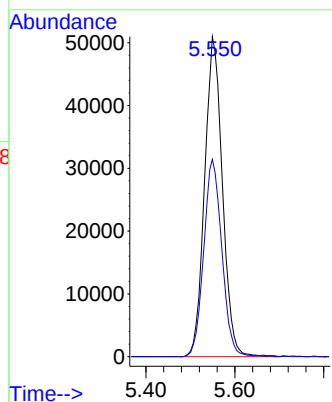
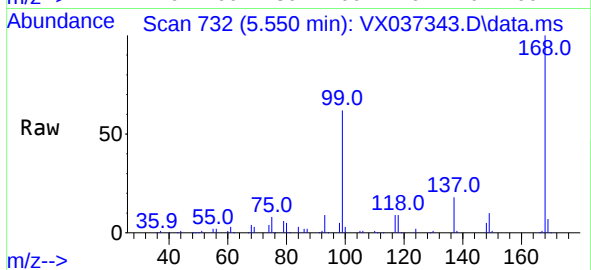




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

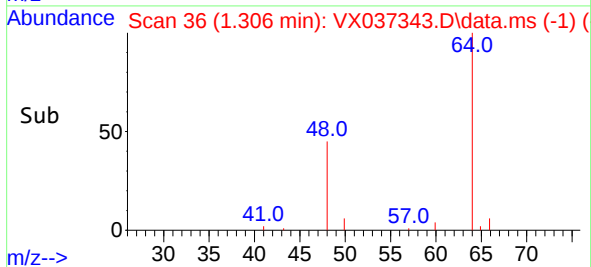
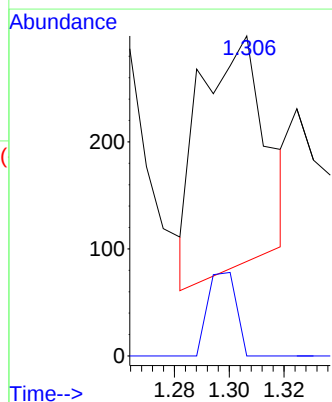
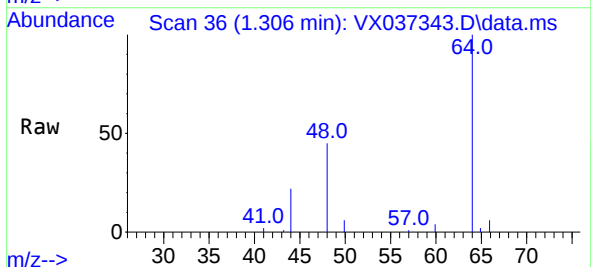
Instrument :
MSVOA_X
ClientSampleId :
BR-01-190-082823-H

Tgt Ion:168 Resp: 142077
Ion Ratio Lower Upper
168 100
99 61.7 56.6 85.0

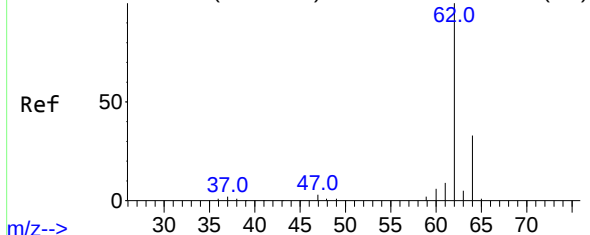


#3
Chloromethane
Concen: 0.249 ug/l
RT: 1.306 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

Tgt Ion: 50 Resp: 360
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#



Abundance Scan 47 (1.374 min): VX037061.D\data.ms (-42)



#4

Vinyl Chloride

Concen: 0.232 ug/l

RT: 1.373 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX037343.D

Acq: 29 Aug 2023 15:40

Instrument :

MSVOA_X

ClientSampleId :

BR-01-190-082823-H

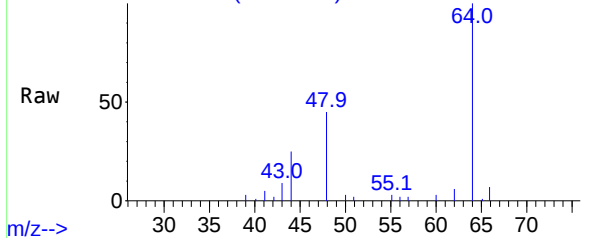
Tgt Ion: 62 Resp: 365

Ion Ratio Lower Upper

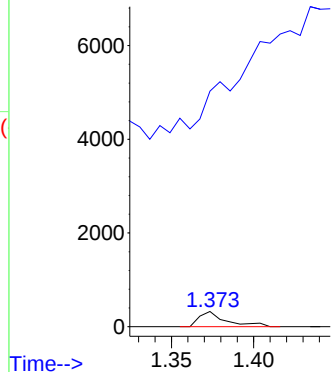
62 100

64 178.2 25.4 38.0#

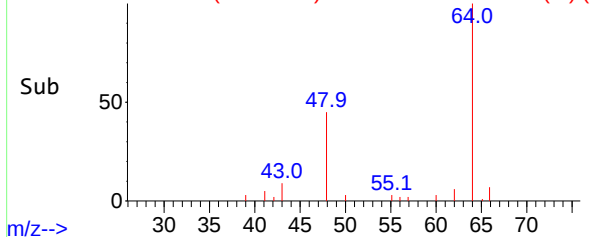
Abundance Scan 47 (1.373 min): VX037343.D\data.ms



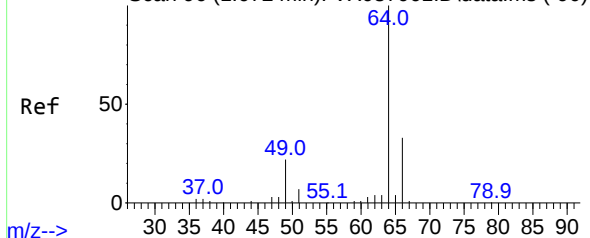
Abundance



Abundance Scan 47 (1.373 min): VX037343.D\data.ms (-1)



Abundance Scan 96 (1.672 min): VX037061.D\data.ms (-90)



#6

Chloroethane

Concen: 11.200 ug/l

RT: 1.642 min Scan# 91

Delta R.T. -0.030 min

Lab File: VX037343.D

Acq: 29 Aug 2023 15:40

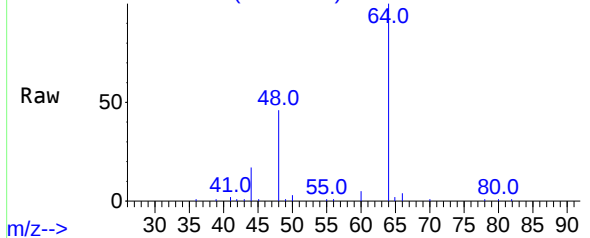
Tgt Ion: 64 Resp: 10358

Ion Ratio Lower Upper

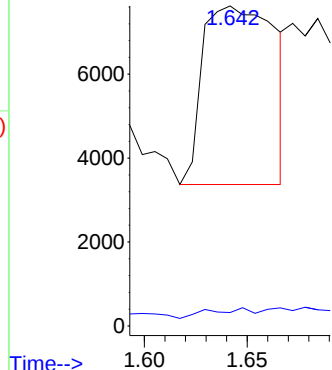
64 100

66 3.3 25.1 37.7#

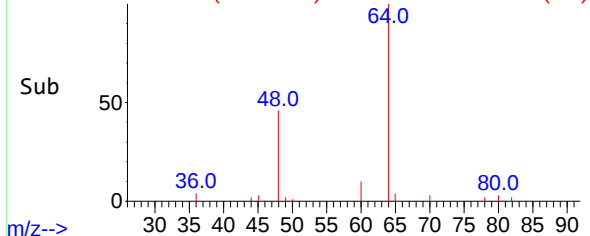
Abundance Scan 91 (1.642 min): VX037343.D\data.ms

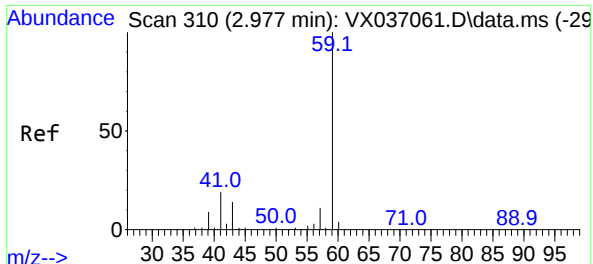


Abundance



Abundance Scan 91 (1.642 min): VX037343.D\data.ms (-47)





#11

Tert butyl alcohol

Concen: 1.773 ug/l

RT: 2.965 min Scan# 30

Delta R.T. -0.012 min

Lab File: VX037343.D

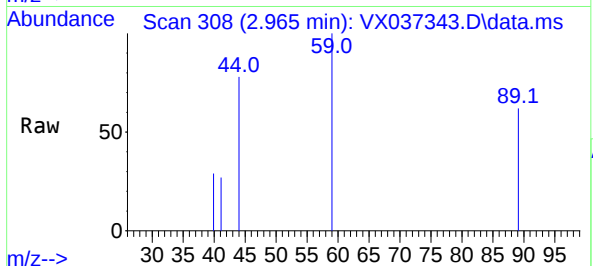
Acq: 29 Aug 2023 15:40

Instrument :

MSVOA_X

ClientSampleId :

BR-01-190-082823-H

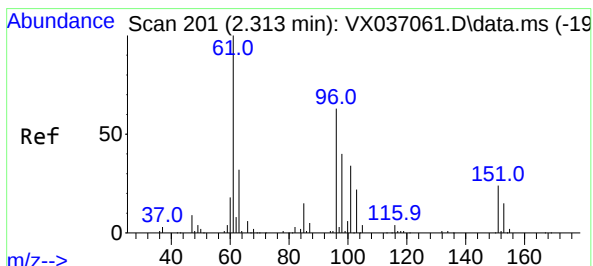
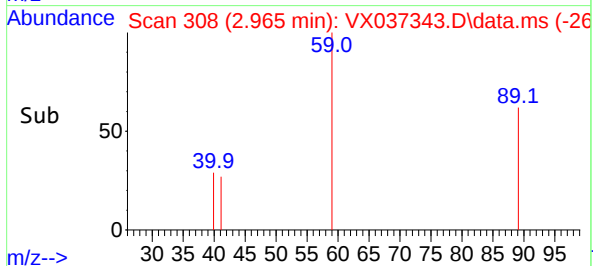
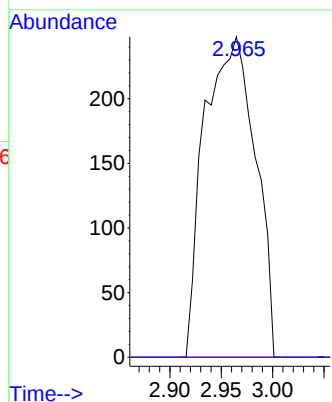


Tgt Ion: 59 Resp: 852

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 6.327 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX037343.D

Acq: 29 Aug 2023 15:40

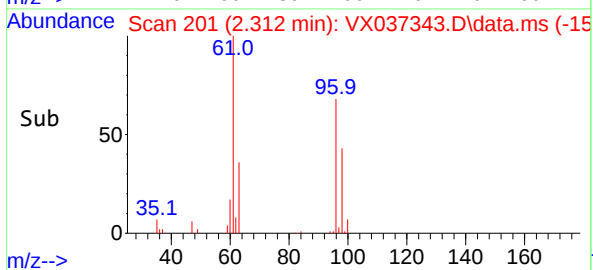
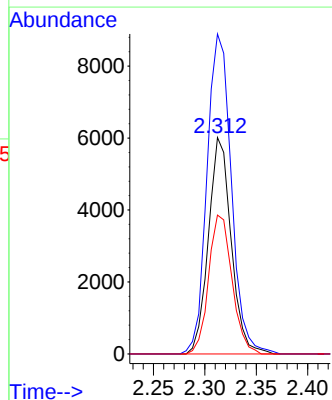
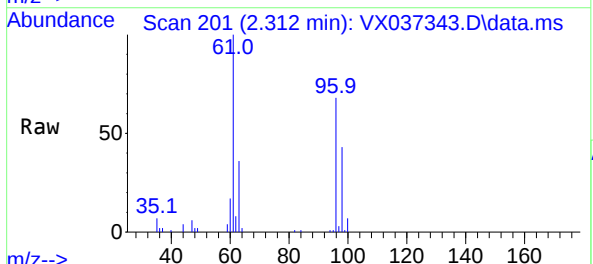
Tgt Ion: 96 Resp: 9254

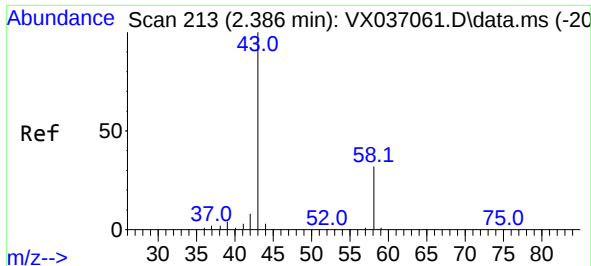
Ion Ratio Lower Upper

96 100

61 147.8 144.6 216.8

98 64.1 50.4 75.6

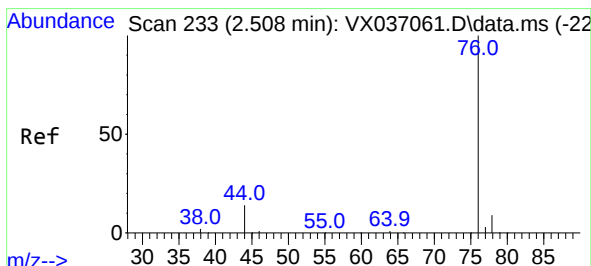
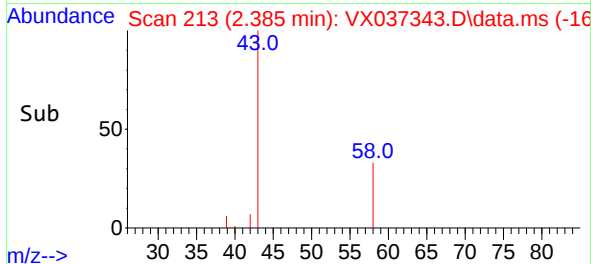
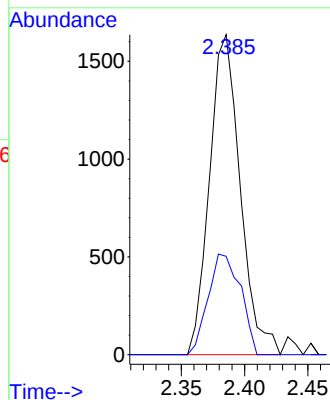
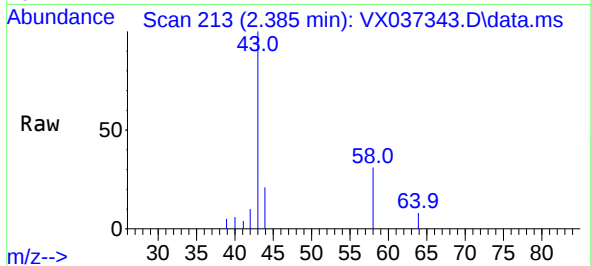




#16
Acetone
Concen: 3.449 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

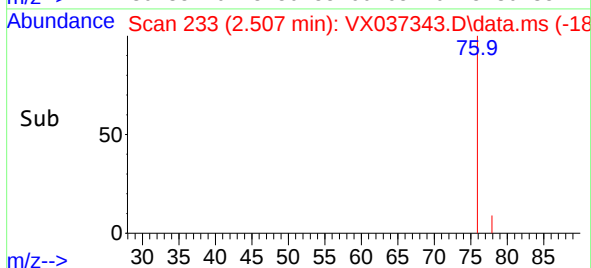
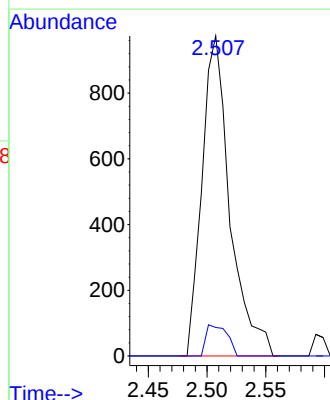
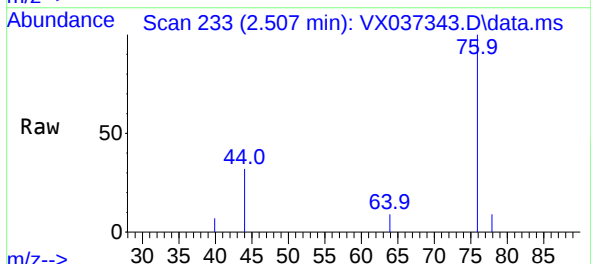
Instrument :
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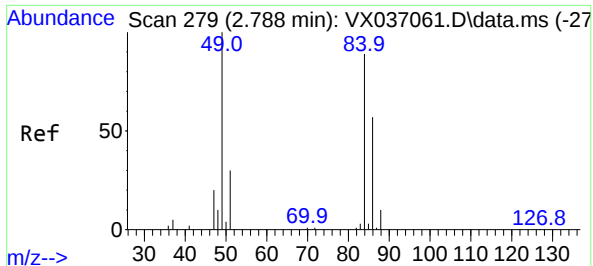
Tgt Ion: 43 Resp: 2764
Ion Ratio Lower Upper
43 100
58 30.7 21.9 32.9



#17
Carbon Disulfide
Concen: 0.433 ug/l
RT: 2.507 min Scan# 233
Delta R.T. -0.000 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

Tgt Ion: 76 Resp: 1611
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6





#20

Methylene Chloride

Concen: 0.576 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX037343.D

Acq: 29 Aug 2023 15:40

Instrument :

MSVOA_X

ClientSampleId :

BR-01-190-082823-H

Tgt Ion: 84 Resp: 1032

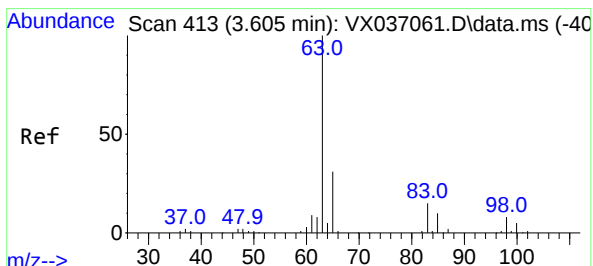
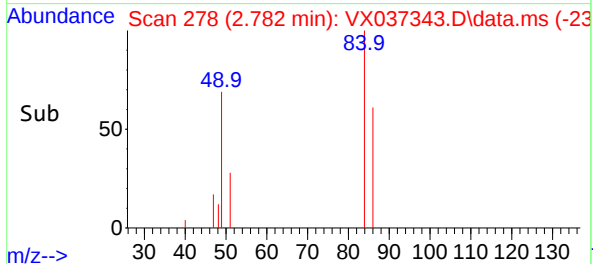
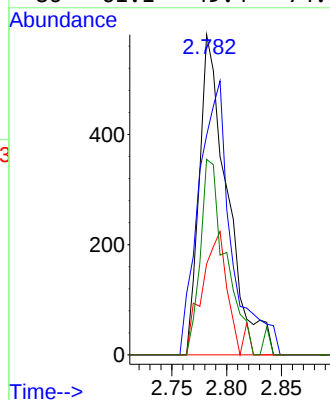
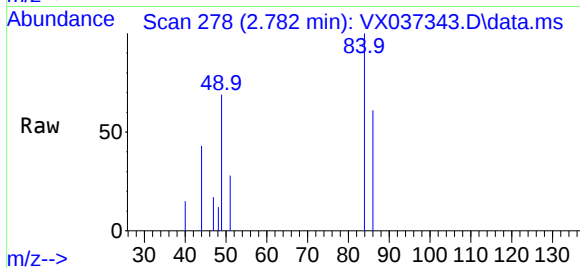
Ion Ratio Lower Upper

84 100

49 68.5 103.6 155.4#

51 28.4 33.8 50.6#

86 61.1 49.4 74.0



#24

1,1-Dichloroethane

Concen: 1.165 ug/l

RT: 3.611 min Scan# 414

Delta R.T. 0.006 min

Lab File: VX037343.D

Acq: 29 Aug 2023 15:40

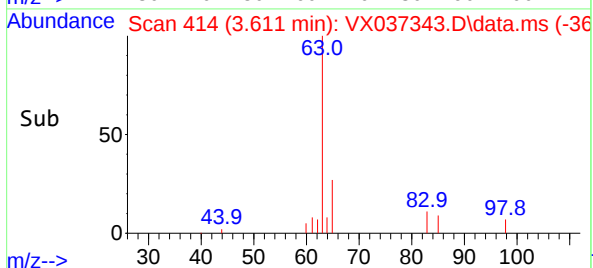
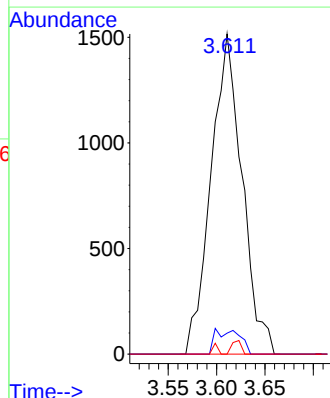
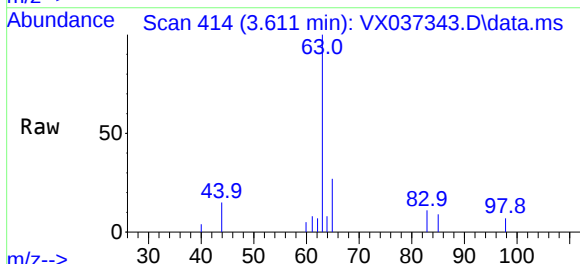
Tgt Ion: 63 Resp: 3393

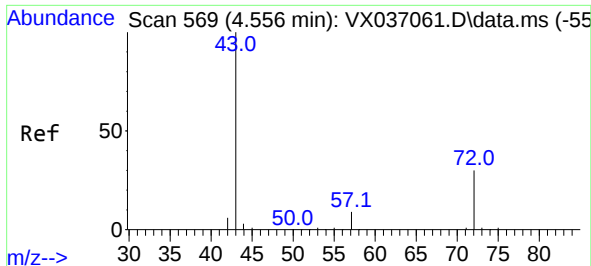
Ion Ratio Lower Upper

63 100

98 6.5 3.3 9.8

100 0.0 2.1 6.5#





#25

2-Butanone

Concen: 0.372 ug/l

RT: 4.611 min Scan# 51

Delta R.T. 0.055 min

Lab File: VX037343.D

Acq: 29 Aug 2023 15:40

Instrument :

MSVOA_X

ClientSampleId :

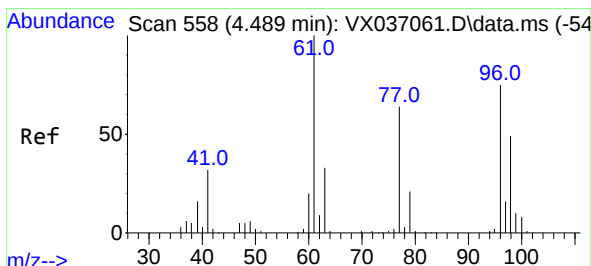
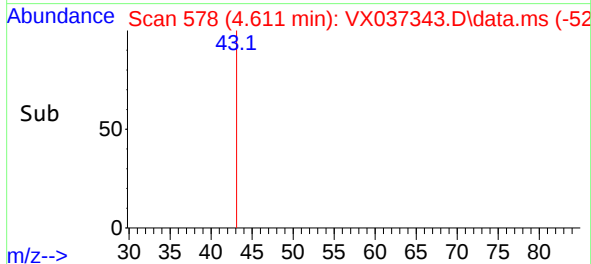
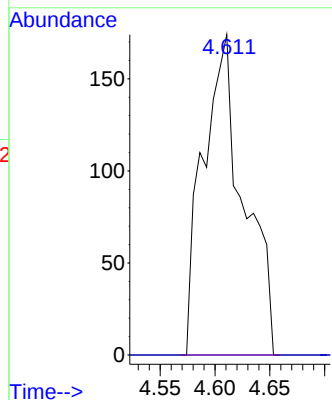
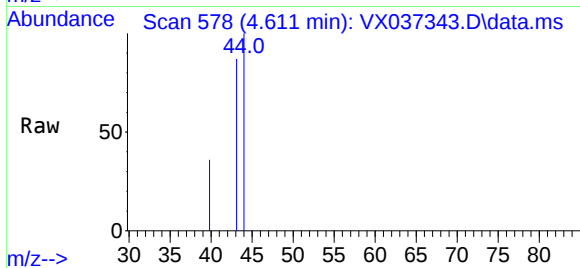
BR-01-190-082823-H

Tgt Ion: 43 Resp: 449

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#27

cis-1,2-Dichloroethene

Concen: 3.692 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.006 min

Lab File: VX037343.D

Acq: 29 Aug 2023 15:40

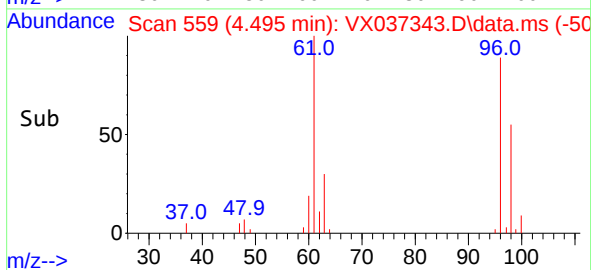
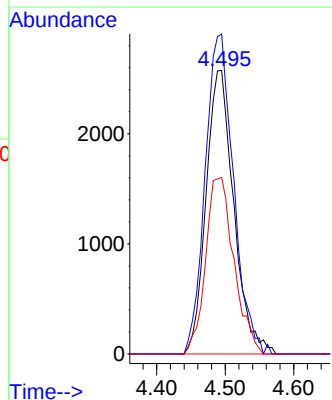
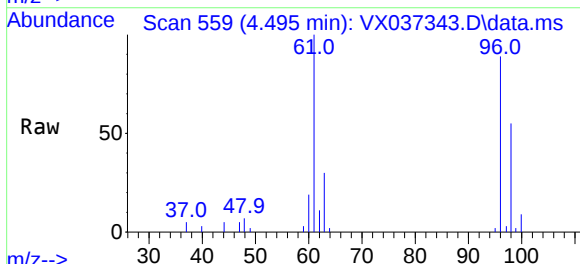
Tgt Ion: 96 Resp: 7236

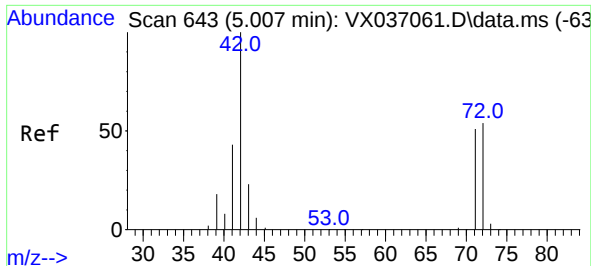
Ion Ratio Lower Upper

96 100

61 115.7 0.0 312.2

98 63.7 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.830 ug/l

RT: 5.031 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX037343.D

Acq: 29 Aug 2023 15:40

Instrument :

MSVOA_X

ClientSampleId :

BR-01-190-082823-H

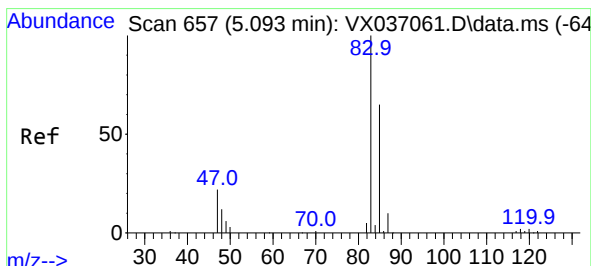
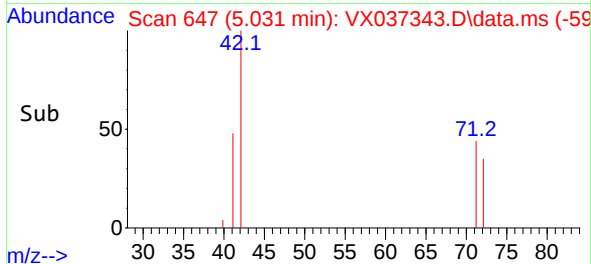
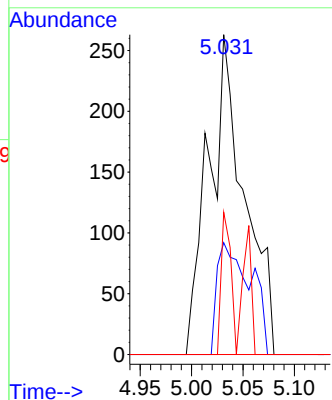
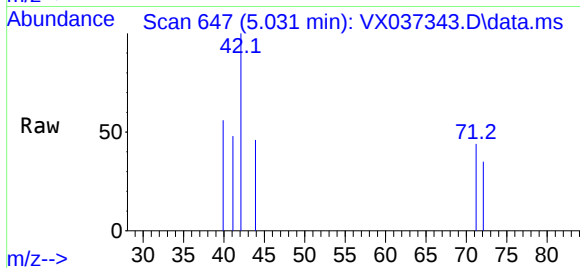
Tgt Ion: 42 Resp: 639

Ion Ratio Lower Upper

42 100

72 32.4 34.2 51.4#

71 11.7 32.2 48.2#



#30

Chloroform

Concen: 0.252 ug/l

RT: 5.092 min Scan# 657

Delta R.T. -0.000 min

Lab File: VX037343.D

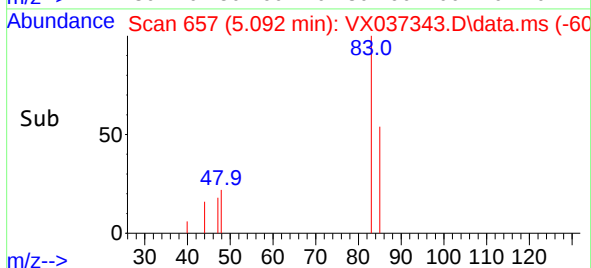
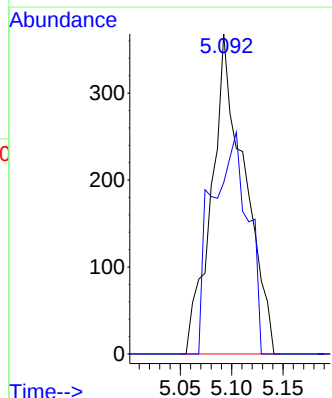
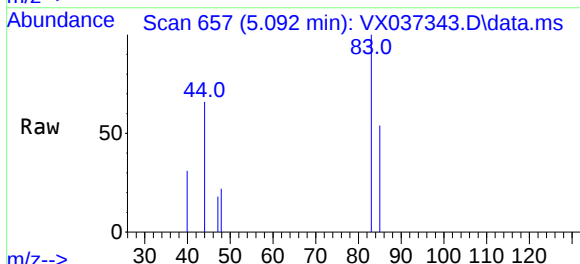
Acq: 29 Aug 2023 15:40

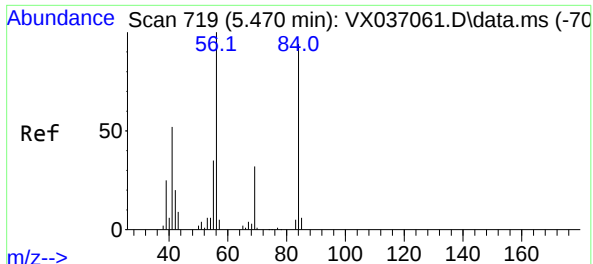
Tgt Ion: 83 Resp: 823

Ion Ratio Lower Upper

83 100

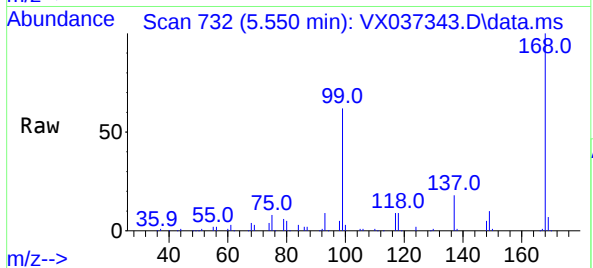
85 53.5 50.3 75.5



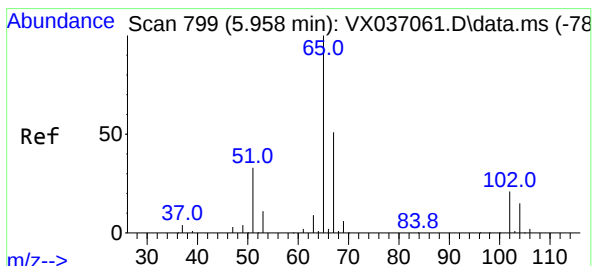
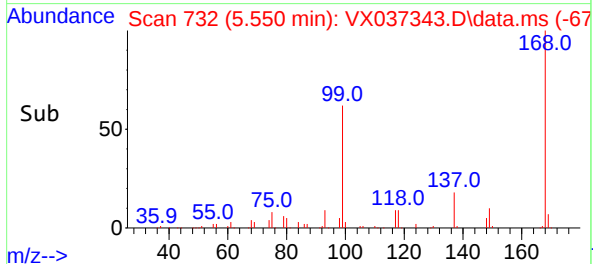
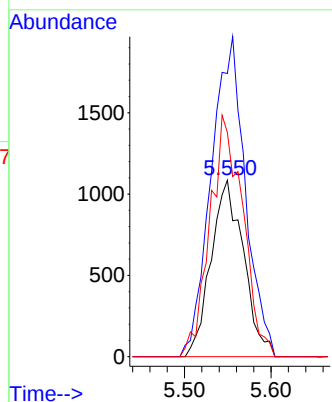


#31
Cyclohexane
Concen: 1.230 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

Instrument :
MSVOA_X
ClientSampleId :
BR-01-190-082823-H

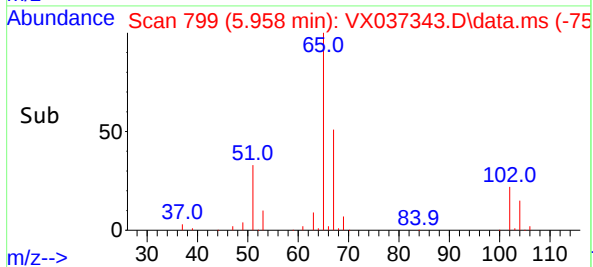
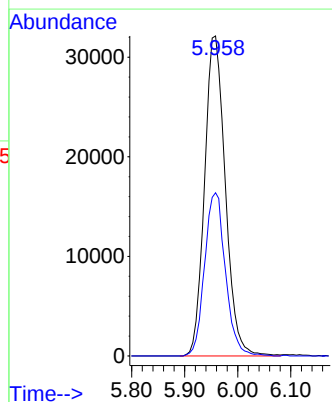
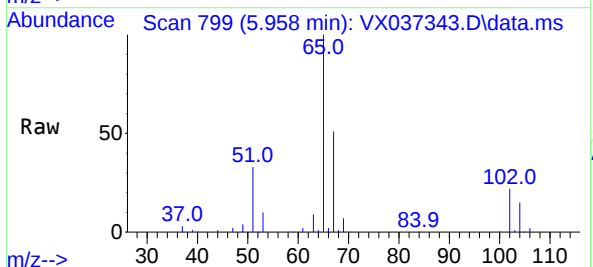


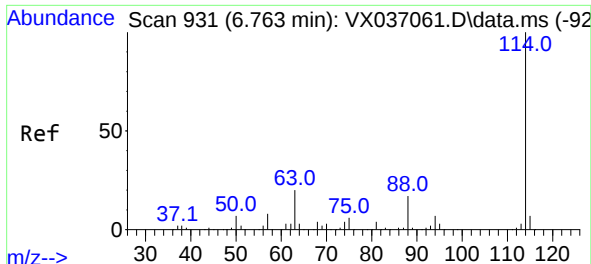
Tgt Ion: 56 Resp: 2834
Ion Ratio Lower Upper
56 100
69 160.6 23.4 35.2#
84 127.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.717 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

Tgt Ion: 65 Resp: 87497
Ion Ratio Lower Upper
65 100
67 51.2 0.0 100.2



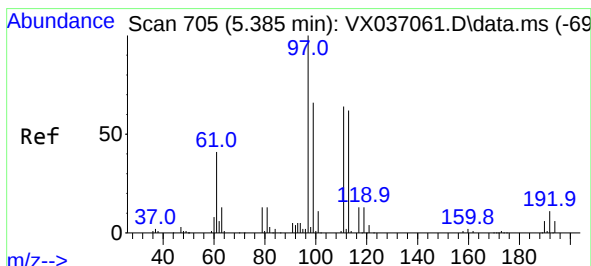
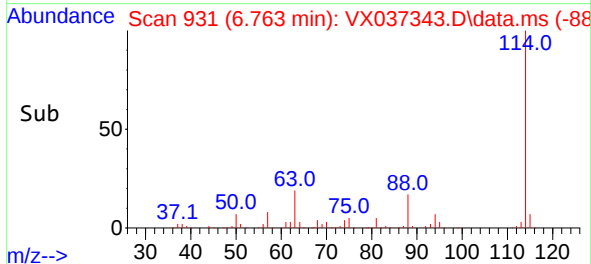
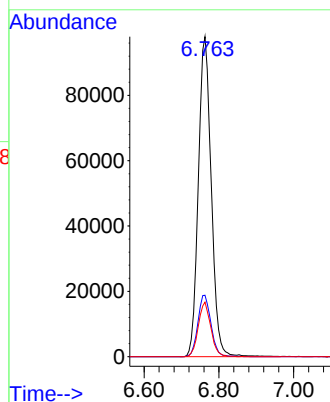
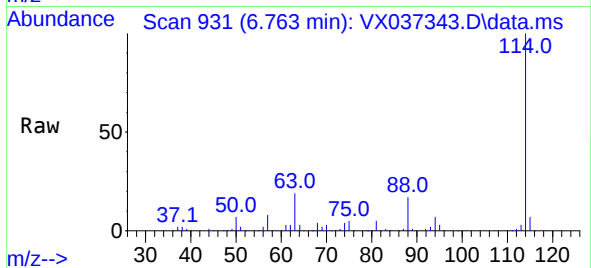


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

Instrument :
MSVOA_X
ClientSampleId :
BR-01-190-082823-H

Tgt Ion:114 Resp: 234344

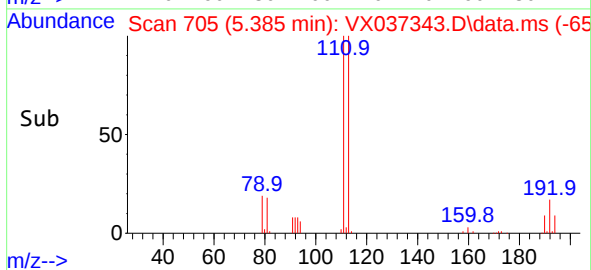
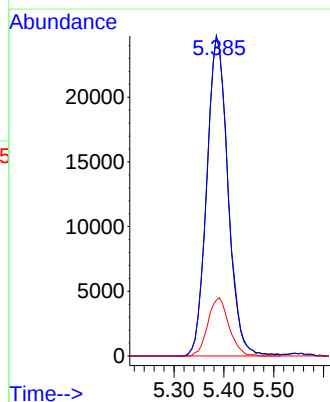
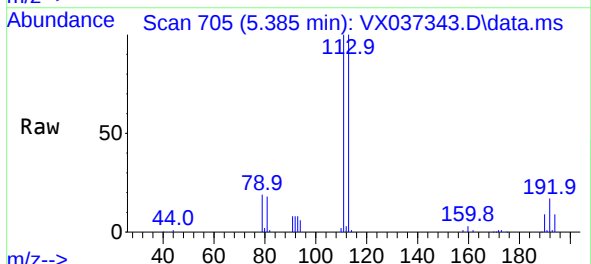
Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	45.0
88	17.0	0.0	36.6

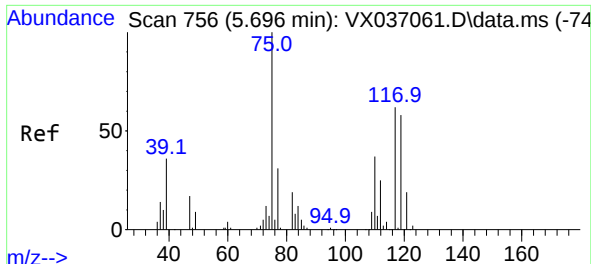


#35
Dibromofluoromethane
Concen: 46.824 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

Tgt Ion:113 Resp: 72671

Ion	Ratio	Lower	Upper
113	100		
111	100.4	82.9	124.3
192	18.2	13.3	19.9

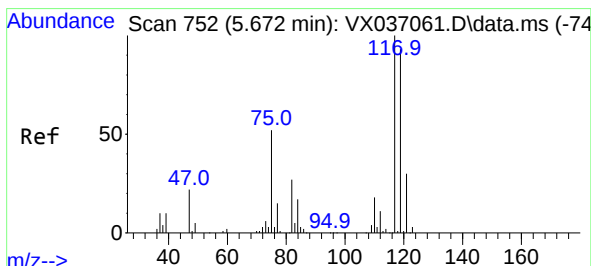
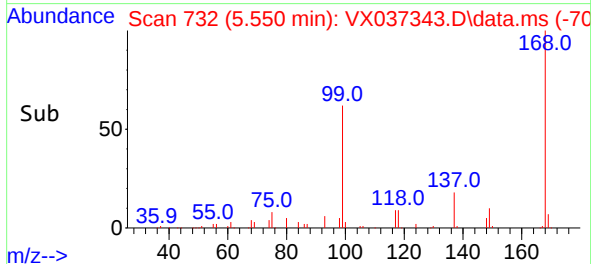
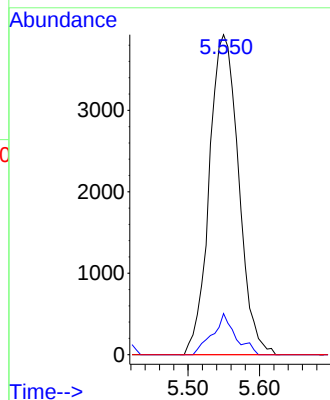
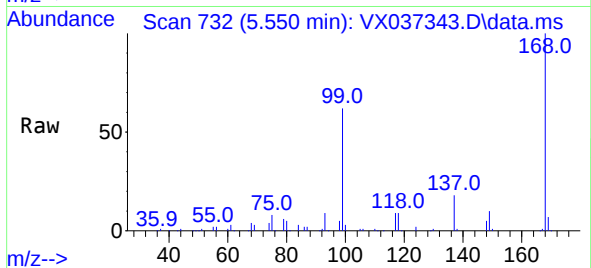




#36
1,1-Dichloropropene
Concen: 5.076 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.147 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

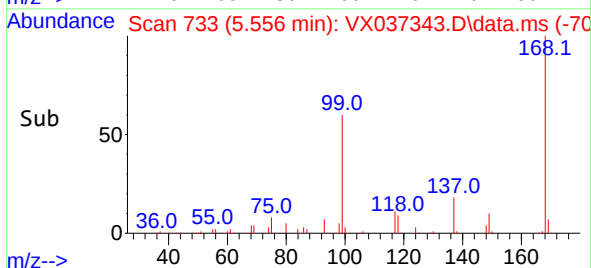
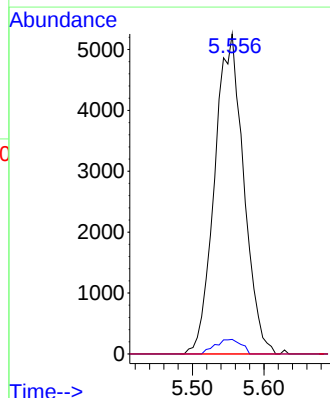
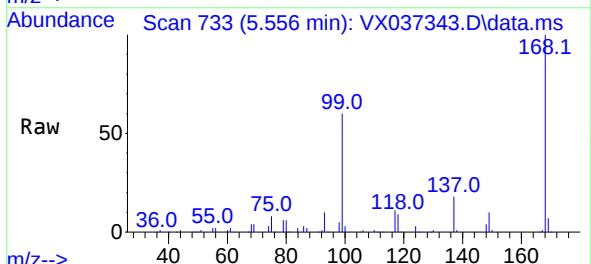
Instrument :
MSVOA_X
ClientSampleId :
BR-01-190-082823-H

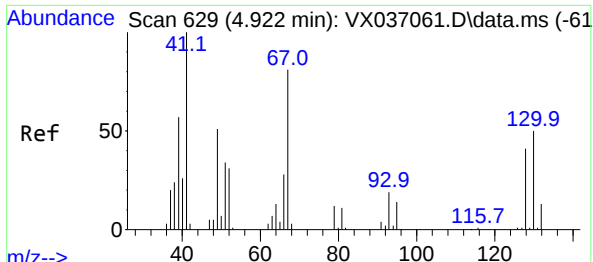
Tgt Ion: 75 Resp: 11192
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.183 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

Tgt Ion: 117 Resp: 14810
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 24.4 36.6#

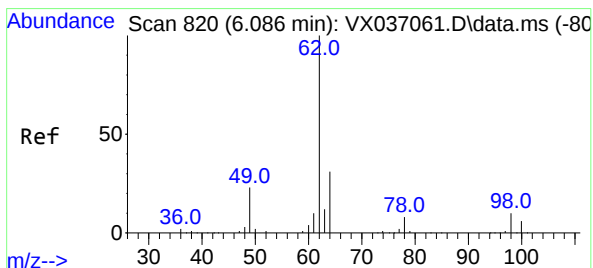
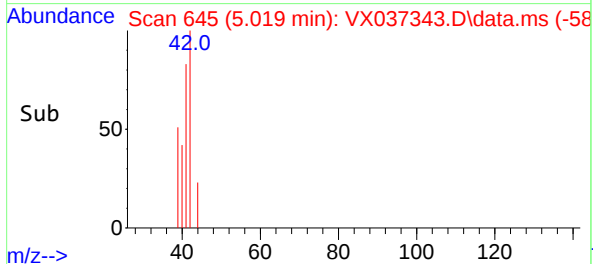
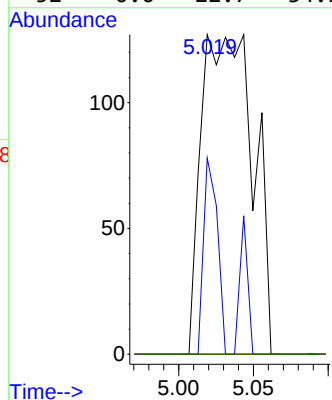
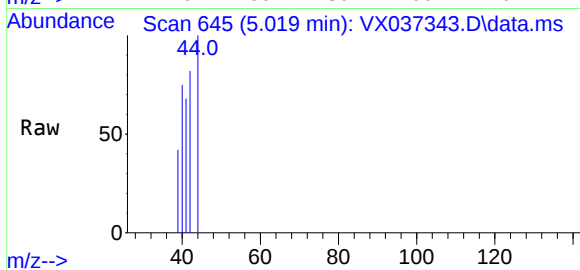




#41
Methacrylonitrile
Concen: 0.261 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.097 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

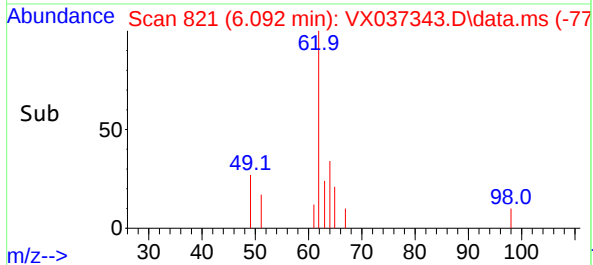
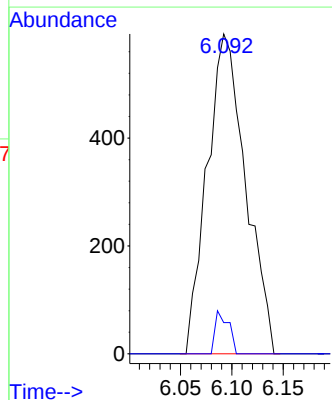
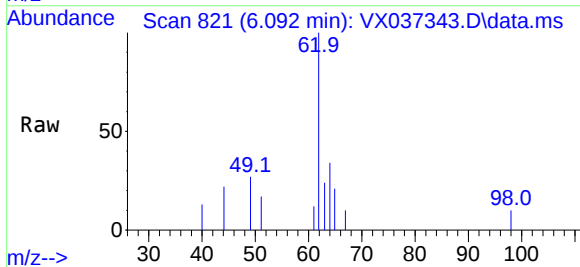
Instrument :
MSVOA_X
ClientSampleId :
BR-01-190-082823-H

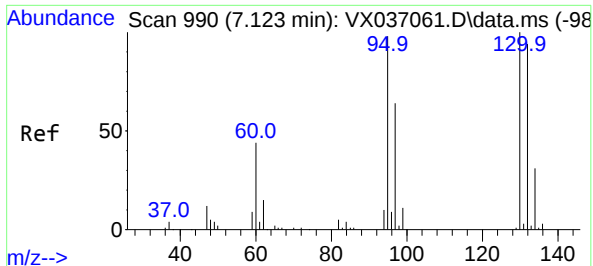
Tgt Ion: 41	Resp:	306
Ion	Ratio	Lower Upper
41	100	
39	16.3	45.2 67.8#
67	0.0	52.6 78.8#
52	0.0	22.7 34.1#



#42
1,2-Dichloroethane
Concen: 0.623 ug/l
RT: 6.092 min Scan# 821
Delta R.T. 0.006 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

Tgt Ion: 62	Resp:	1546
Ion	Ratio	Lower Upper
62	100	
98	4.7	0.0 16.0

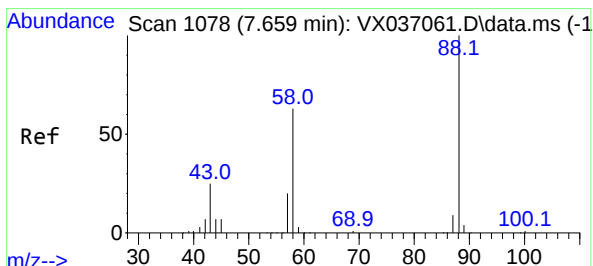
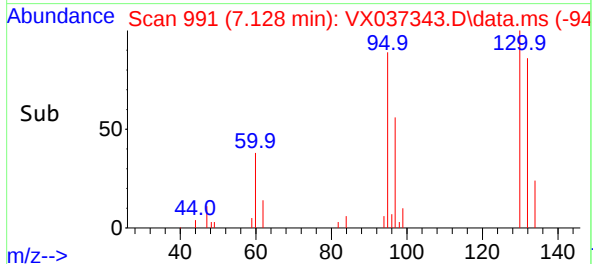
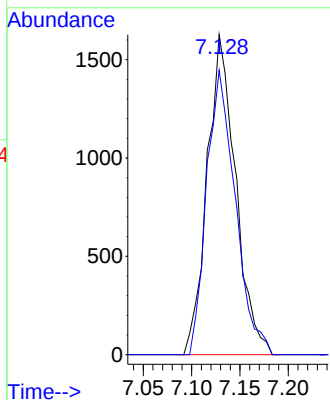
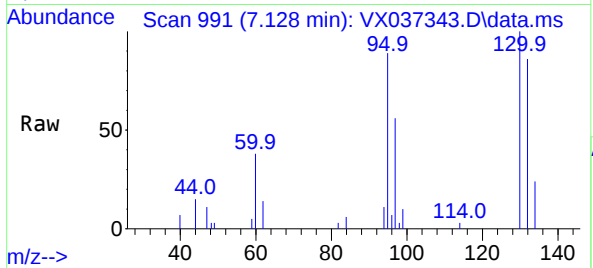




#44
Trichloroethene
Concen: 1.856 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.006 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

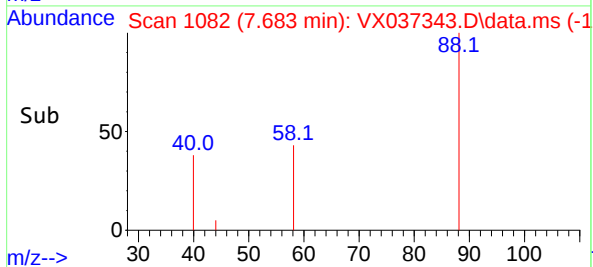
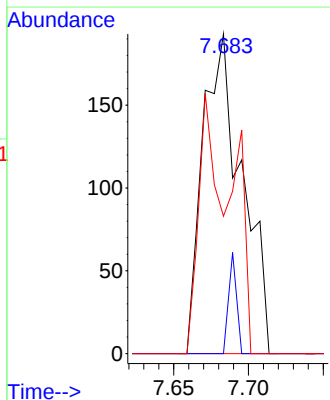
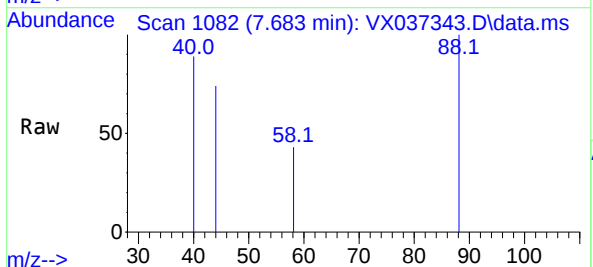
Instrument :
MSVOA_X
ClientSampleId :
BR-01-190-082823-H

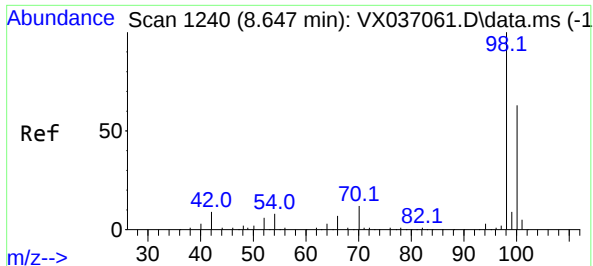
Tgt Ion:130 Resp: 3329
Ion Ratio Lower Upper
130 100
95 88.9 0.0 204.4



#49
1,4-Dioxane
Concen: 7.473 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.024 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

Tgt Ion: 88 Resp: 351
Ion Ratio Lower Upper
88 100
43 6.3 0.0 0.0#
58 66.4 60.1 90.1

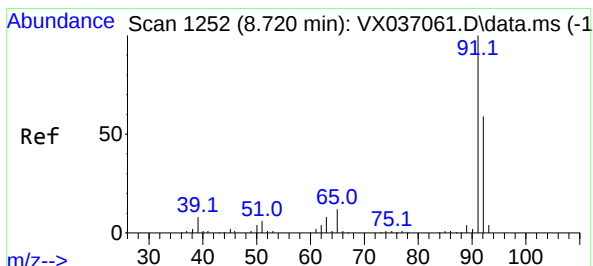
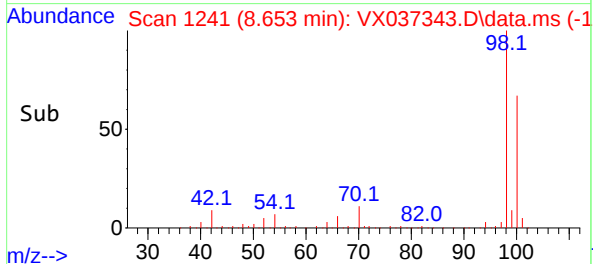
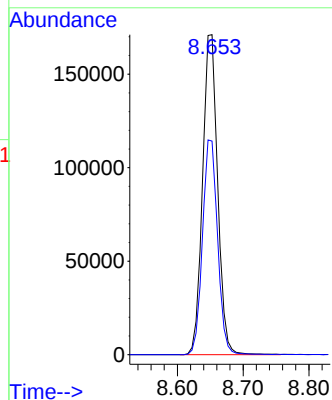
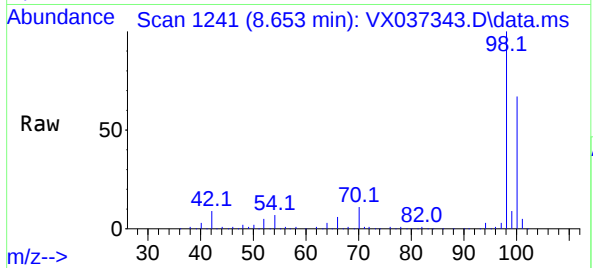




#50
Toluene-d8
Concen: 48.597 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

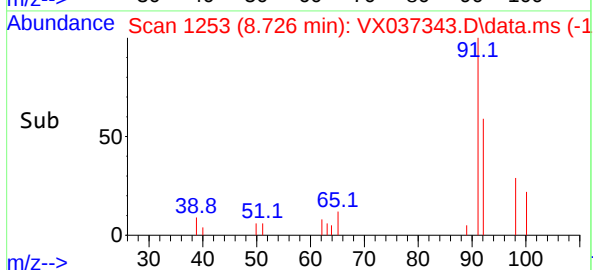
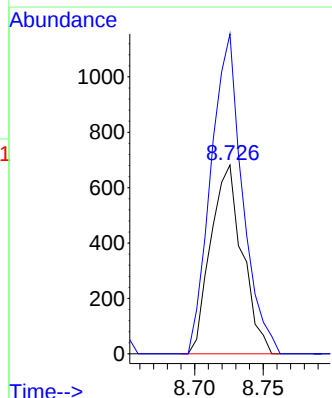
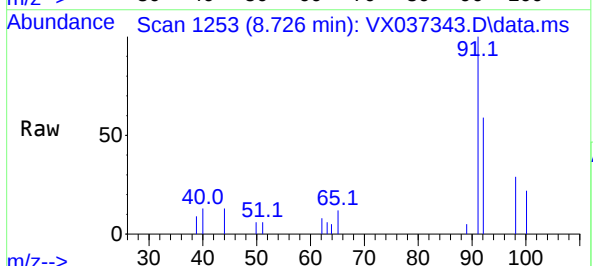
Instrument :
MSVOA_X
ClientSampleId :
BR-01-190-082823-H

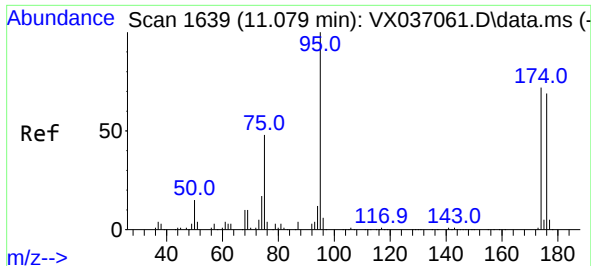
Tgt Ion: 98 Resp: 273589
Ion Ratio Lower Upper
98 100
100 67.2 53.1 79.7



#52
Toluene
Concen: 0.263 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

Tgt Ion: 92 Resp: 1097
Ion Ratio Lower Upper
92 100
91 169.0 134.2 201.2

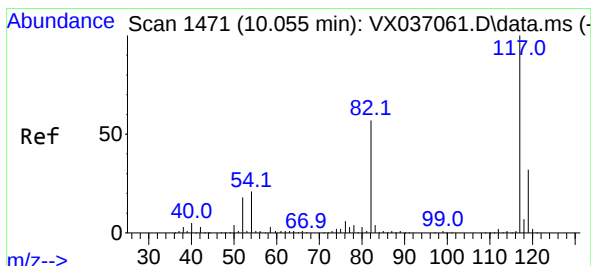
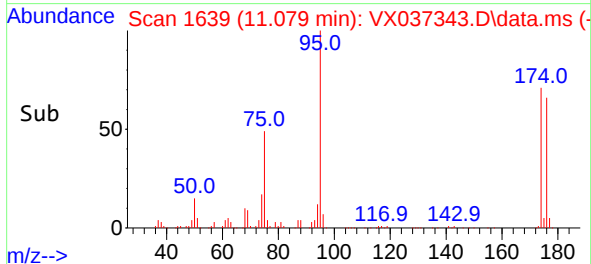
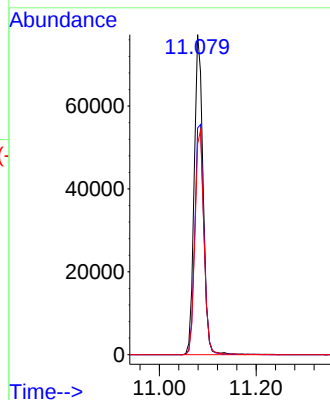
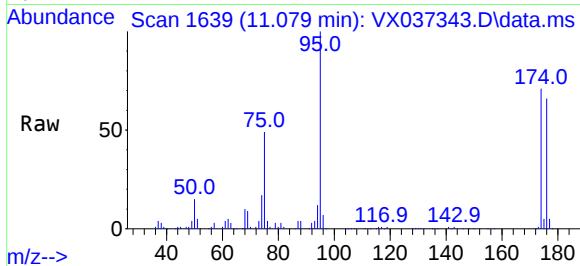




#62
4-Bromofluorobenzene
Concen: 44.371 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

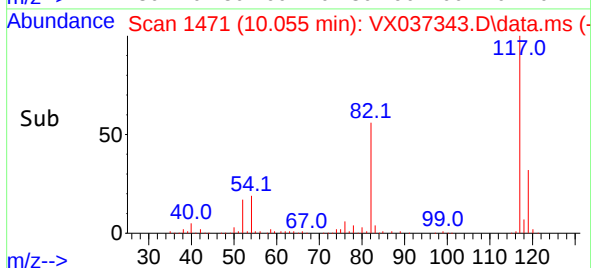
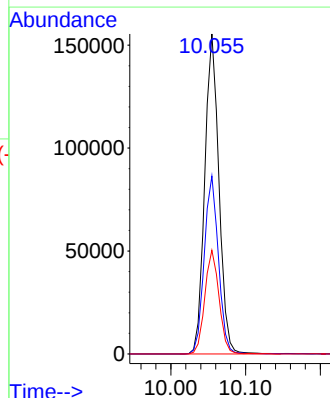
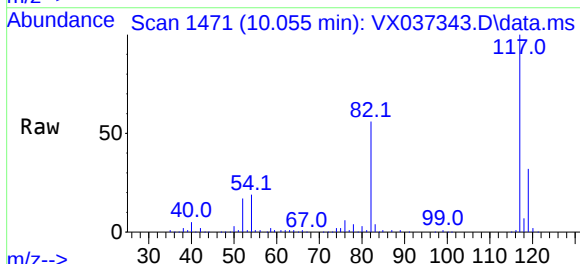
Instrument :
MSVOA_X
ClientSampleId :
BR-01-190-082823-H

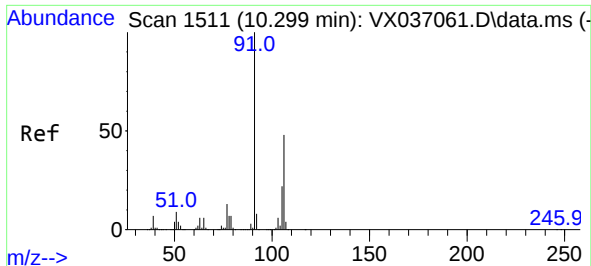
Tgt Ion: 95 Resp: 98166
Ion Ratio Lower Upper
95 100
174 73.9 0.0 135.6
176 70.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

Tgt Ion: 117 Resp: 205043
Ion Ratio Lower Upper
117 100
82 55.6 46.2 69.4
119 32.4 25.5 38.3

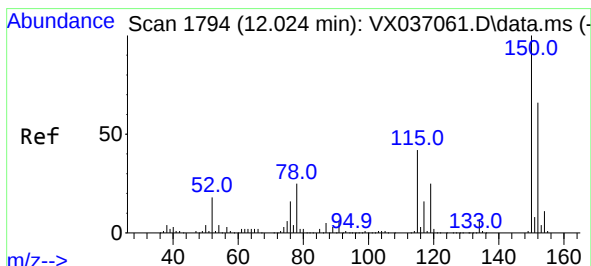
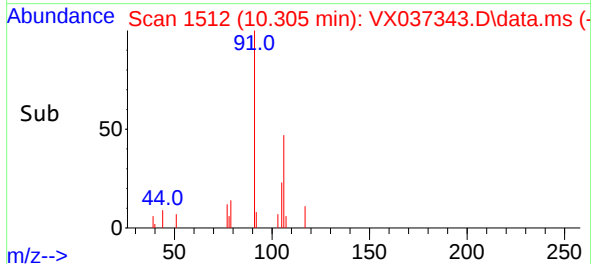
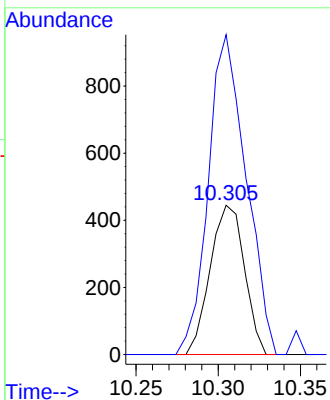
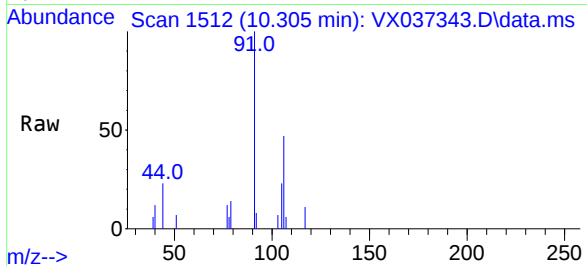




#68
m/p-Xylenes
Concen: 0.219 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

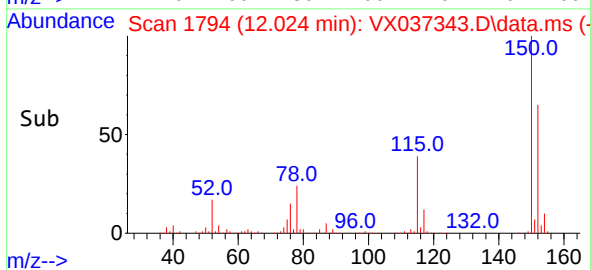
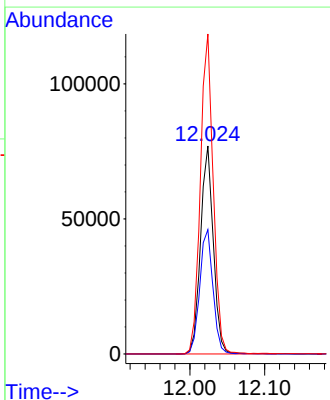
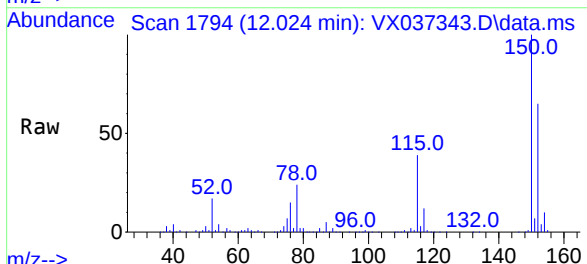
Instrument :
MSVOA_X
ClientSampleId :
BR-01-190-082823-H

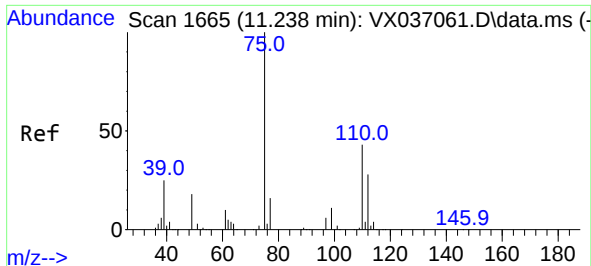
Tgt Ion:106 Resp: 644
Ion Ratio Lower Upper
106 100
91 236.6 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

Tgt Ion:152 Resp: 91545
Ion Ratio Lower Upper
152 100
115 61.9 43.3 129.9
150 154.8 0.0 345.0

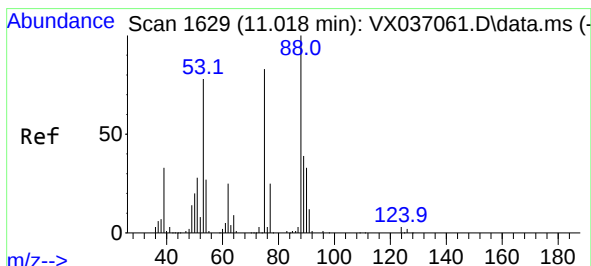
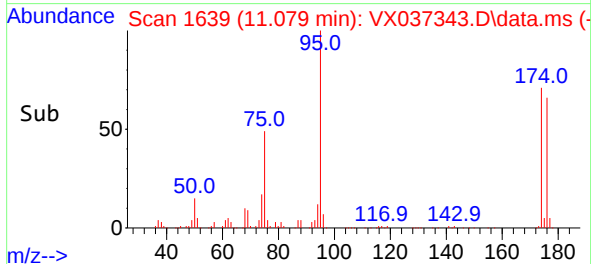
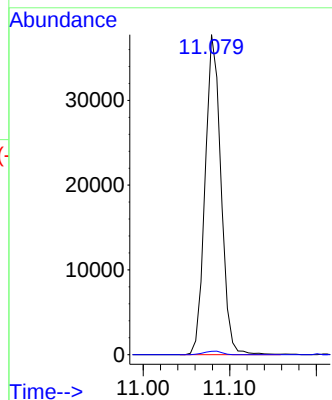
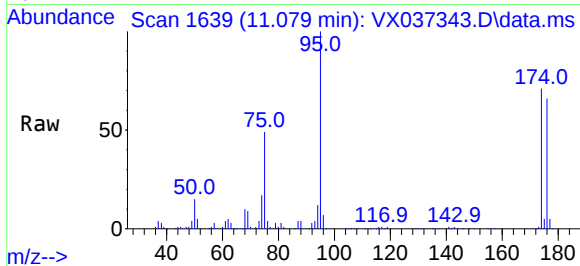




#76
1,2,3-Trichloropropane
Concen: 24.610 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

Instrument :
MSVOA_X
ClientSampleId :
BR-01-190-082823-H

Tgt Ion: 75 Resp: 47980
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.737 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037343.D
Acq: 29 Aug 2023 15:40

Tgt Ion: 75 Resp: 47980
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

