

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX083123\
 Data File : VX037446.D
 Acq On : 31 Aug 2023 21:32
 Operator : JC/MD
 Sample : 04251-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OWBR-05-135-083023-3V

Quant Time: Sep 01 03:18:00 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)

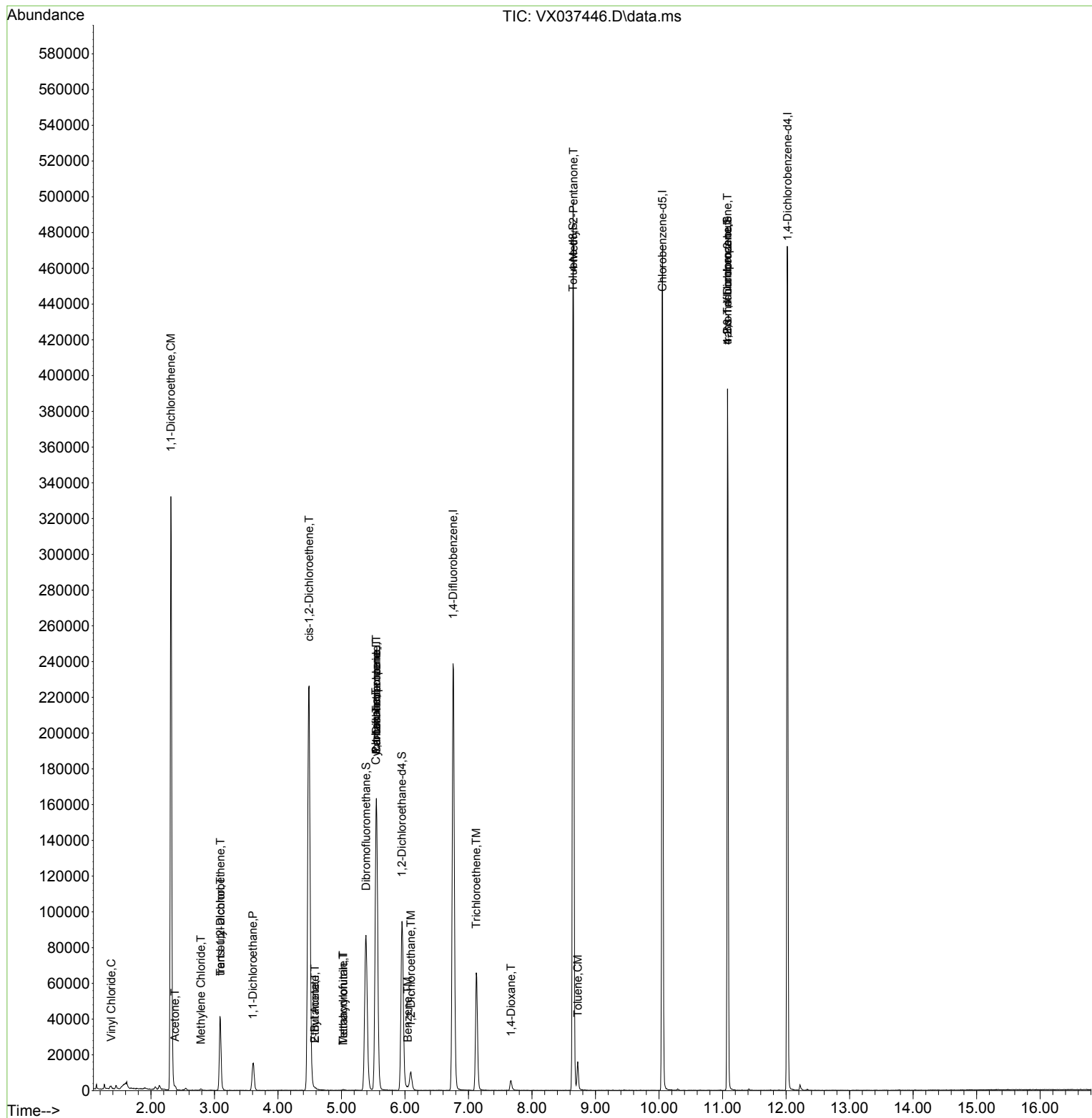
Internal Standards						
1) Pentafluorobenzene	5.550	168	155136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	255627	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	228099	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	100318	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	94436	42.224	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.440%
35) Dibromofluoromethane	5.385	113	78477	46.355	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.700%
50) Toluene-d8	8.647	98	301858	49.155	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.300%
62) 4-Bromofluorobenzene	11.079	95	108256	44.858	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.720%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.374	62	927	0.540	ug/l	91
11) Tert butyl alcohol	3.093	59	758	1.445	ug/l #	78
12) 1,1-Dichloroethene	2.313	96	115319	72.211	ug/l	87
16) Acetone	2.380	43	2159	2.468	ug/l	100
20) Methylene Chloride	2.788	84	438	0.224	ug/l #	81
21) trans-1,2-Dichloroethene	3.093	96	18098	9.969	ug/l #	82
24) 1,1-Dichloroethane	3.605	63	17700	5.565	ug/l	97
25) 2-Butanone	4.580	43	1344	1.020	ug/l	94
27) cis-1,2-Dichloroethene	4.489	96	153455	71.702	ug/l	79
29) Tetrahydrofuran	5.026	42	247	0.294	ug/l #	87
31) Cyclohexane	5.544	56	2925	1.163	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11727	4.876	ug/l #	51
37) Ethyl Acetate	4.580	43	1344	0.547	ug/l #	69
38) Carbon Tetrachloride	5.550	117	16123	6.171	ug/l #	15
40) Benzene	6.044	78	2224	0.322	ug/l	98
41) Methacrylonitrile	5.026	41	283	0.222	ug/l #	25
42) 1,2-Dichloroethane	6.092	62	11718	4.332	ug/l	91
44) Trichloroethene	7.123	130	26215	13.402	ug/l	95
49) 1,4-Dioxane	7.671	88	5022	98.024	ug/l #	86
51) 4-Methyl-2-Pentanone	8.653	43	1113	0.470	ug/l #	1
52) Toluene	8.720	92	6314	1.385	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	53342	24.968	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	53342	69.736	ug/l #	5

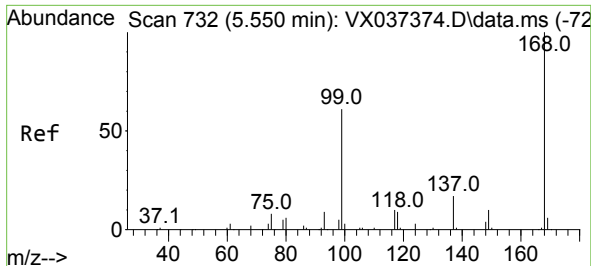
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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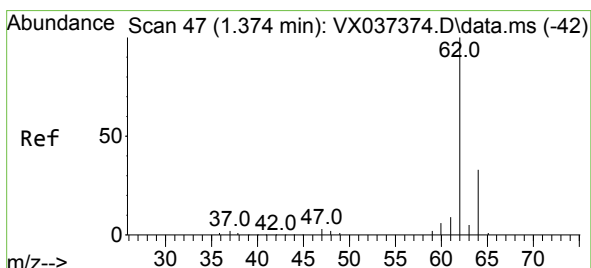
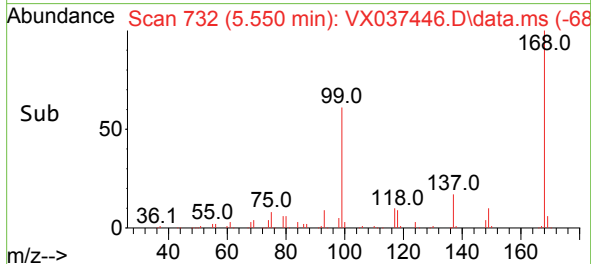
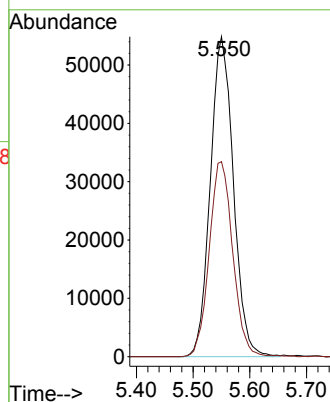
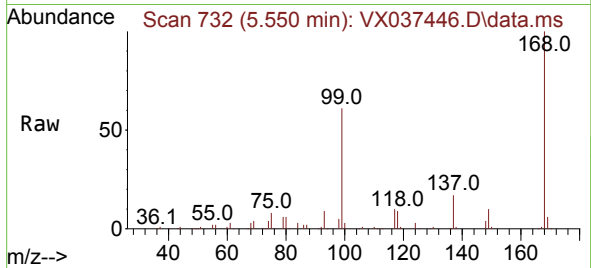




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037446.D
Acq: 31 Aug 2023 21:32

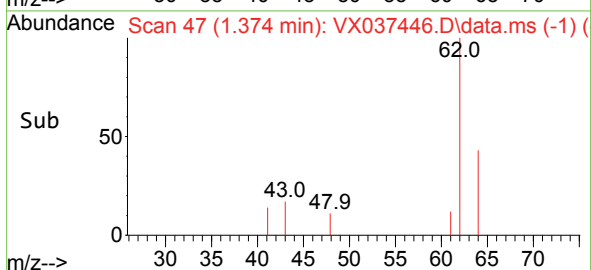
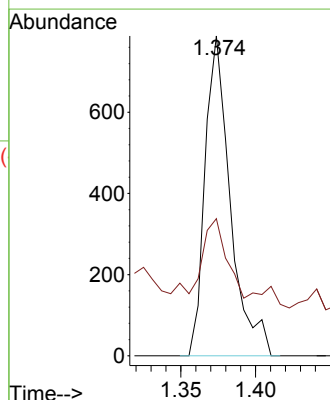
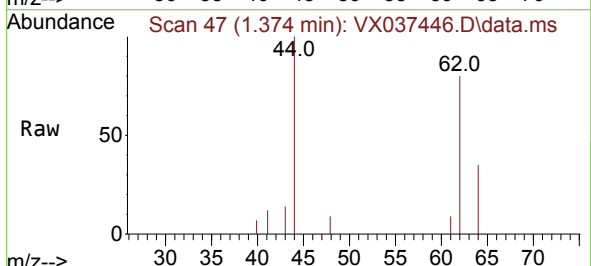
Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-083023-3V

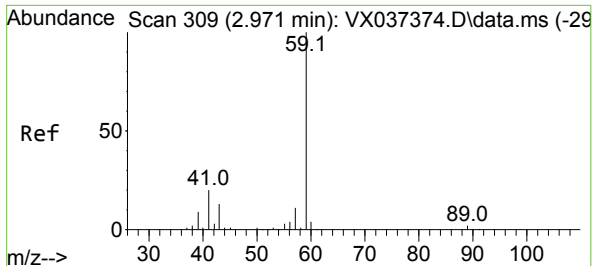
Tgt Ion:168 Resp: 155136
Ion Ratio Lower Upper
168 100
99 61.0 56.6 85.0



#4
Vinyl Chloride
Concen: 0.540 ug/l
RT: 1.374 min Scan# 47
Delta R.T. 0.000 min
Lab File: VX037446.D
Acq: 31 Aug 2023 21:32

Tgt Ion: 62 Resp: 927
Ion Ratio Lower Upper
62 100
64 26.8 25.4 38.0





#11

Tert butyl alcohol

Concen: 1.445 ug/l

RT: 3.093 min Scan# 31

Delta R.T. 0.116 min

Lab File: VX037446.D

Acq: 31 Aug 2023 21:32

Instrument :

MSVOA_X

ClientSampleId :

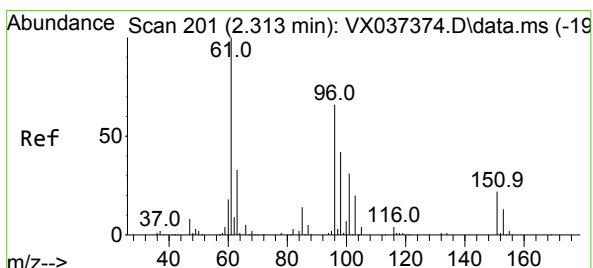
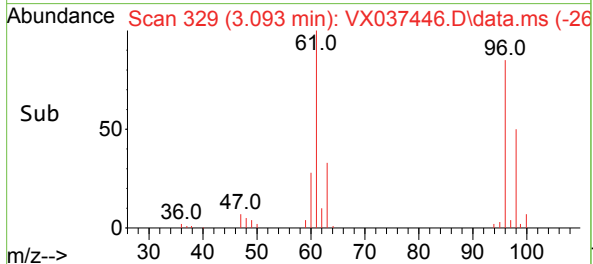
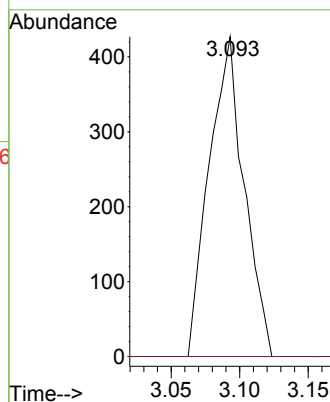
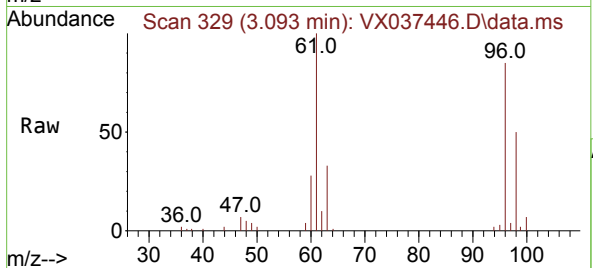
OWBR-05-135-083023-3V

Tgt Ion: 59 Resp: 758

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#12

1,1-Dichloroethene

Concen: 72.211 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX037446.D

Acq: 31 Aug 2023 21:32

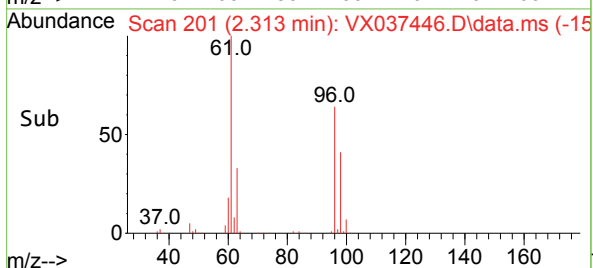
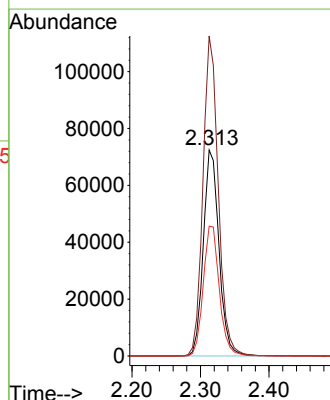
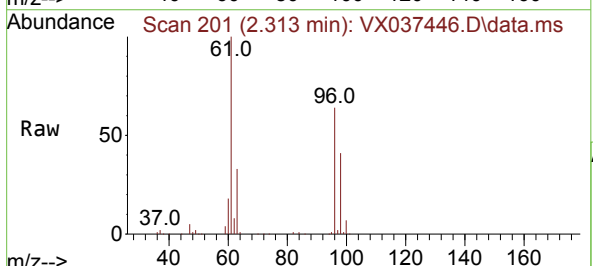
Tgt Ion: 96 Resp: 115319

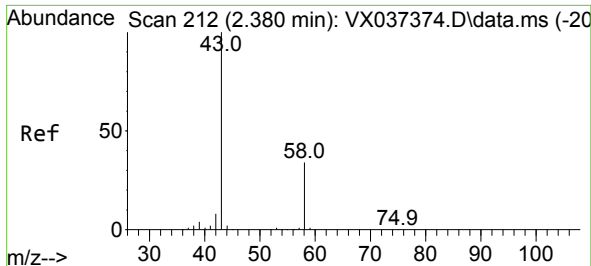
Ion Ratio Lower Upper

96 100

61 155.4 144.6 216.8

98 63.0 50.4 75.6

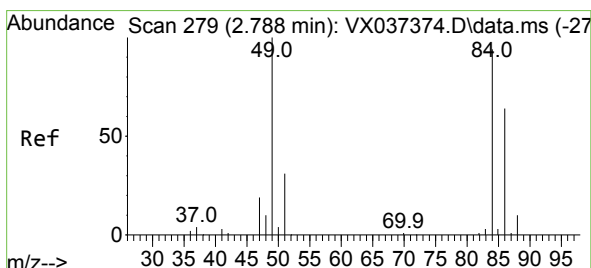
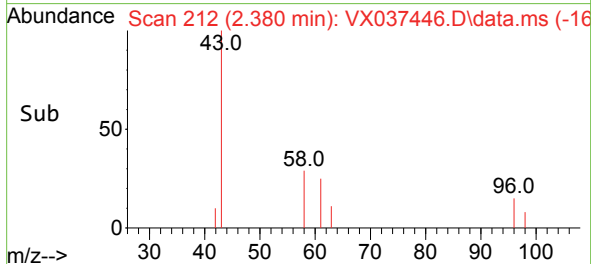
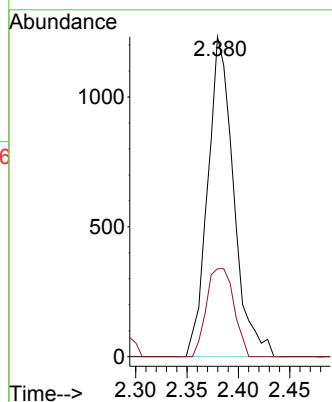
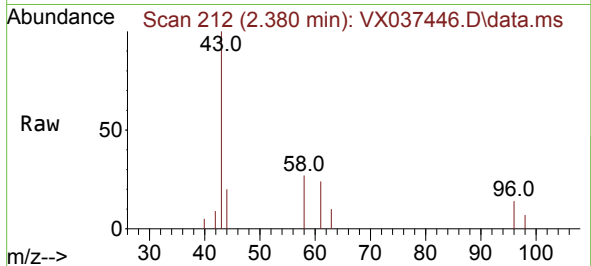




#16
Acetone
Concen: 2.468 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037446.D
Acq: 31 Aug 2023 21:32

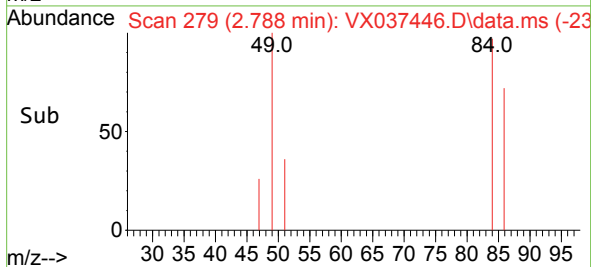
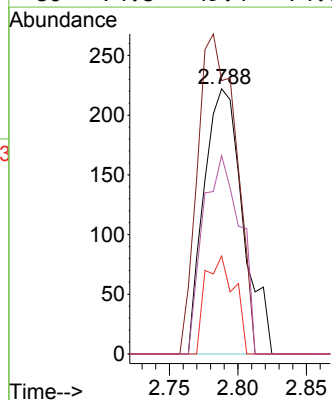
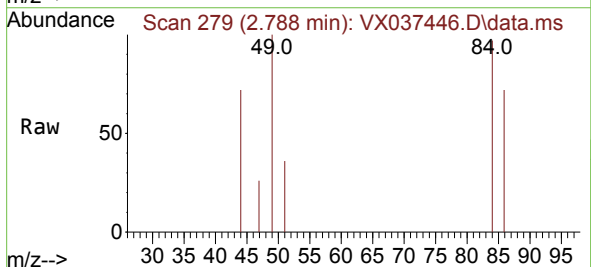
Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-083023-3V

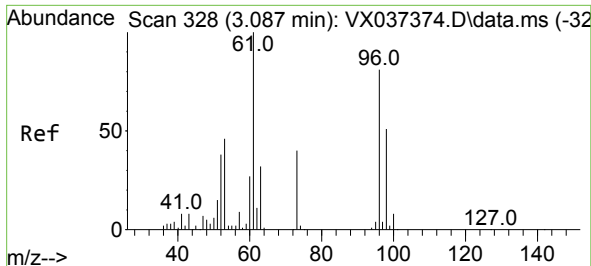
Tgt Ion: 43 Resp: 2159
Ion Ratio Lower Upper
43 100
58 27.4 21.9 32.9



#20
Methylene Chloride
Concen: 0.224 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037446.D
Acq: 31 Aug 2023 21:32

Tgt Ion: 84 Resp: 438
Ion Ratio Lower Upper
84 100
49 103.2 103.6 155.4#
51 36.9 33.8 50.6
86 74.8 49.4 74.0#

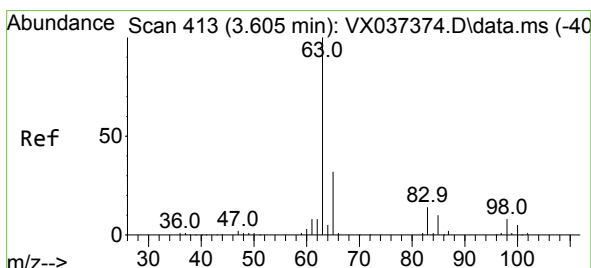
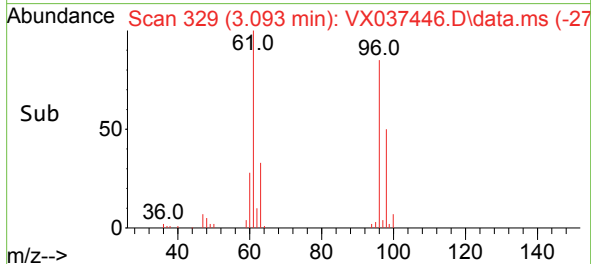
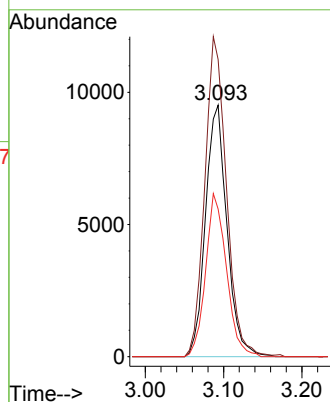
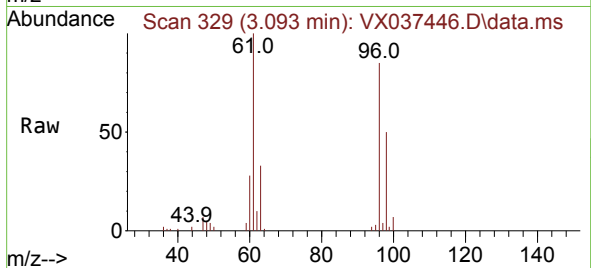




#21
trans-1,2-Dichloroethene
Concen: 9.969 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX037446.D
Acq: 31 Aug 2023 21:32

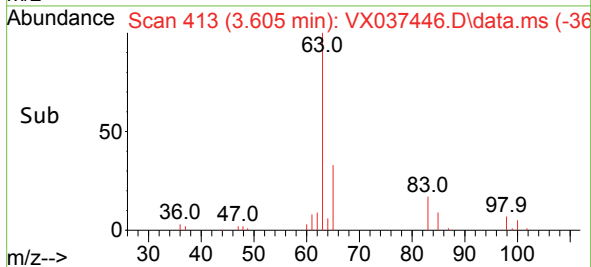
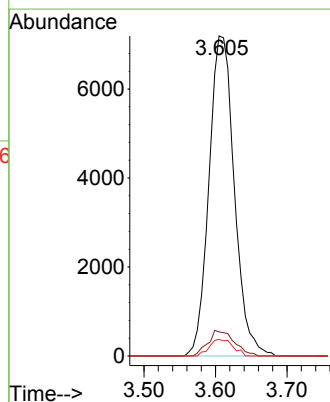
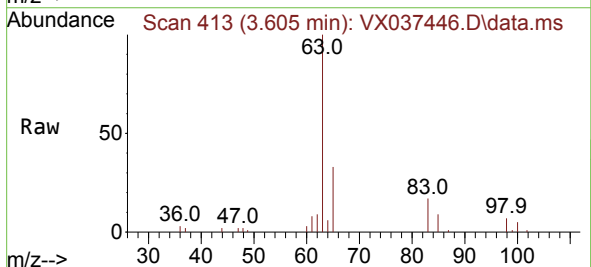
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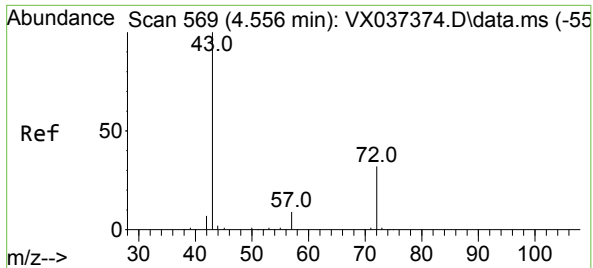
Tgt Ion: 96 Resp: 18098
Ion Ratio Lower Upper
96 100
61 118.2 119.2 178.8#
98 58.7 48.7 73.1



#24
1,1-Dichloroethane
Concen: 5.565 ug/l
RT: 3.605 min Scan# 413
Delta R.T. 0.000 min
Lab File: VX037446.D
Acq: 31 Aug 2023 21:32

Tgt Ion: 63 Resp: 17700
Ion Ratio Lower Upper
63 100
98 7.5 3.3 9.8
100 5.2 2.1 6.5

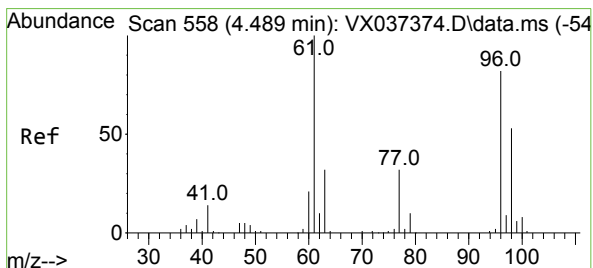
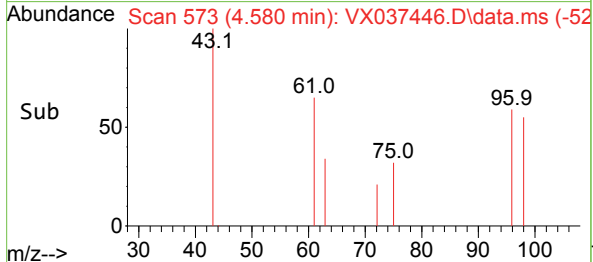
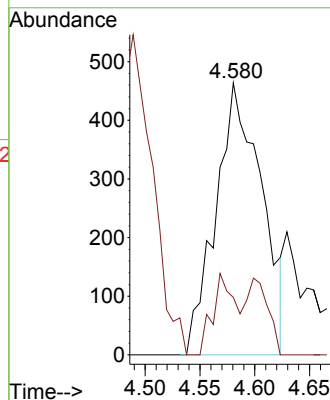
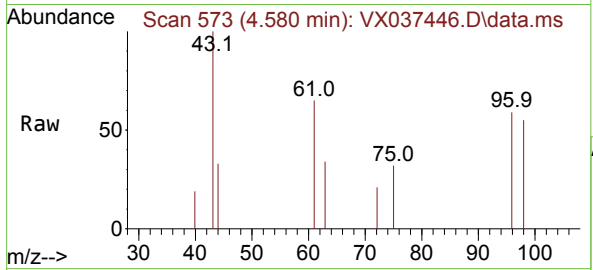




#25
2-Butanone
Concen: 1.020 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX037446.D
Acq: 31 Aug 2023 21:32

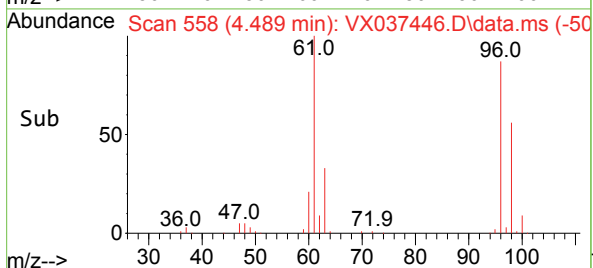
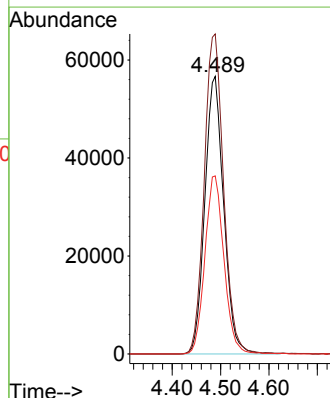
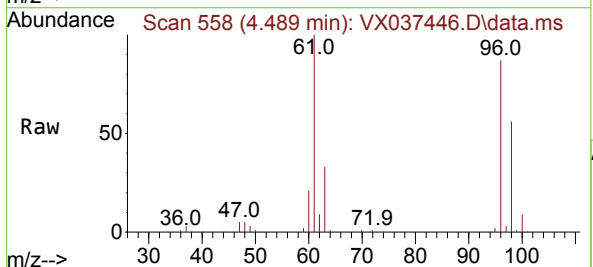
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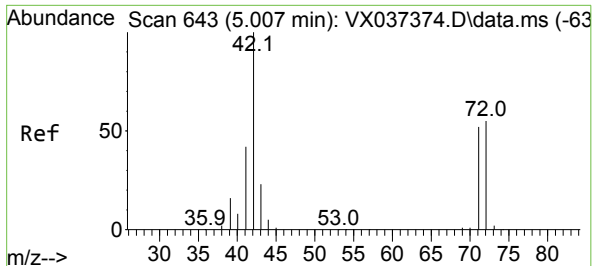
Tgt Ion: 43 Resp: 1344
Ion Ratio Lower Upper
43 100
72 21.1 19.4 29.2



#27
cis-1,2-Dichloroethene
Concen: 71.702 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX037446.D
Acq: 31 Aug 2023 21:32

Tgt Ion: 96 Resp: 153455
Ion Ratio Lower Upper
96 100
61 118.2 0.0 312.2
98 64.8 0.0 129.0





#29

Tetrahydrofuran

Concen: 0.294 ug/l

RT: 5.026 min Scan# 643

Delta R.T. 0.018 min

Lab File: VX037446.D

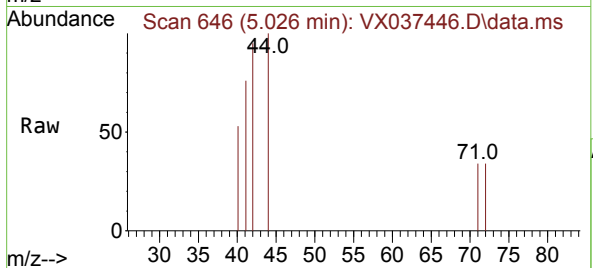
Acq: 31 Aug 2023 21:32

Instrument :

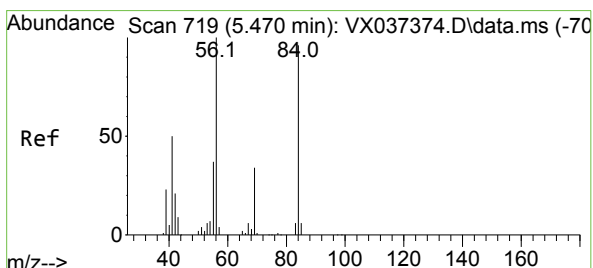
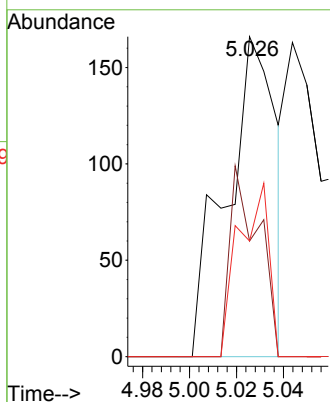
MSVOA_X

ClientSampleId :

OWBR-05-135-083023-3V



Tgt Ion:	42	Resp:	247
Ion	Ratio	Lower	Upper
42	100		
72	34.0	34.2	51.4#
71	32.4	32.2	48.2



#31

Cyclohexane

Concen: 1.163 ug/l

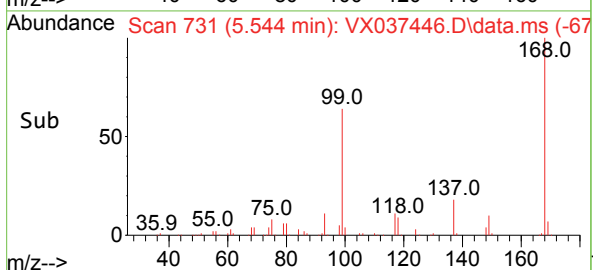
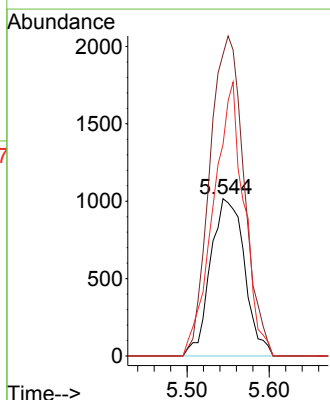
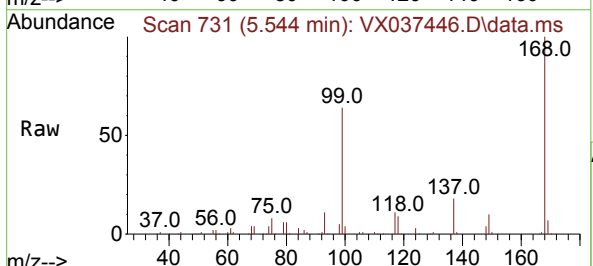
RT: 5.544 min Scan# 731

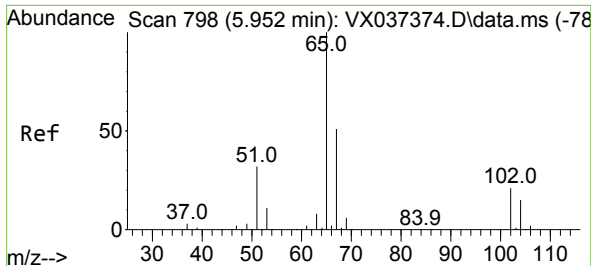
Delta R.T. 0.073 min

Lab File: VX037446.D

Acq: 31 Aug 2023 21:32

Tgt Ion:	56	Resp:	2925
Ion	Ratio	Lower	Upper
56	100		
69	191.8	23.4	35.2#
84	134.4	65.9	98.9#





#33

1,2-Dichloroethane-d4

Concen: 42.224 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX037446.D

Acq: 31 Aug 2023 21:32

Instrument :

MSVOA_X

ClientSampleId :

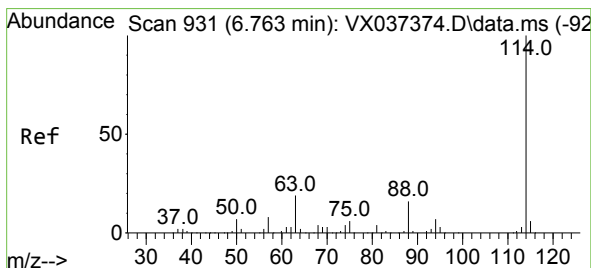
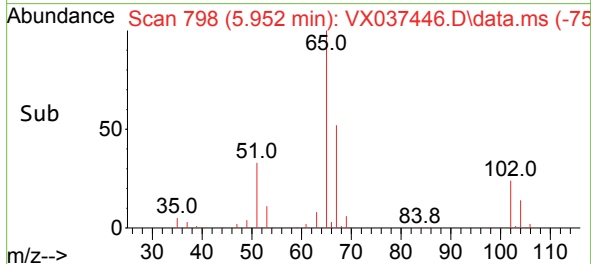
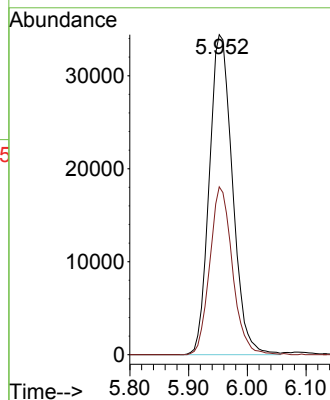
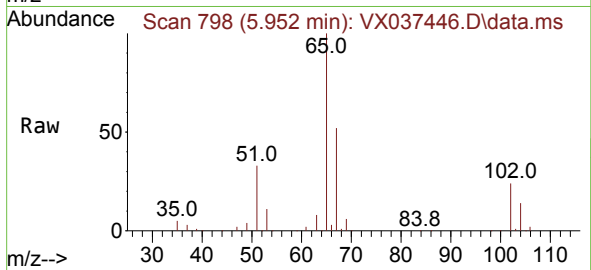
OWBR-05-135-083023-3V

Tgt Ion: 65 Resp: 94436

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX037446.D

Acq: 31 Aug 2023 21:32

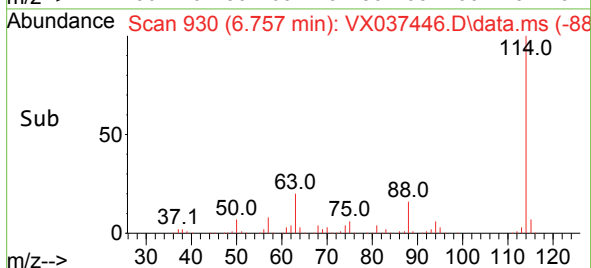
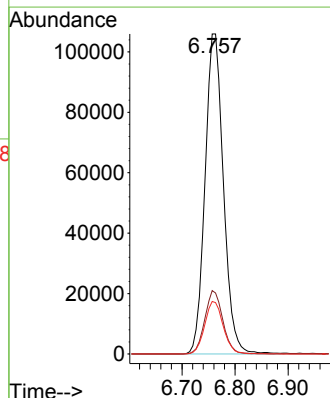
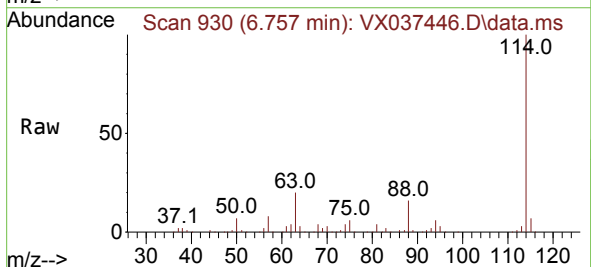
Tgt Ion: 114 Resp: 255627

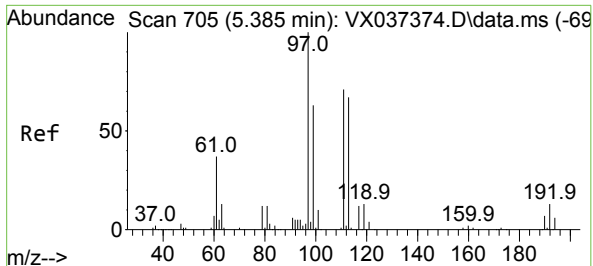
Ion Ratio Lower Upper

114 100

63 19.8 0.0 45.0

88 16.4 0.0 36.6

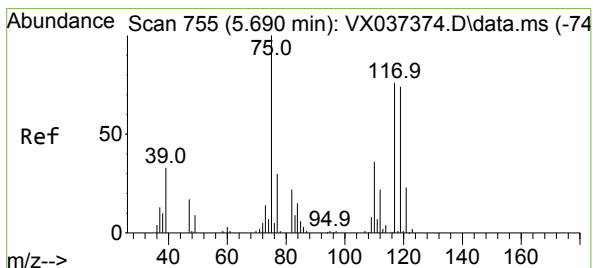
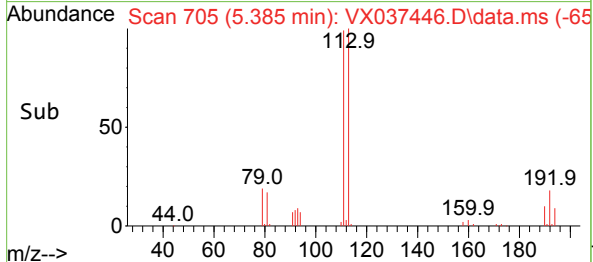
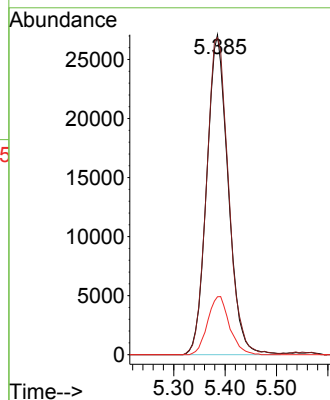
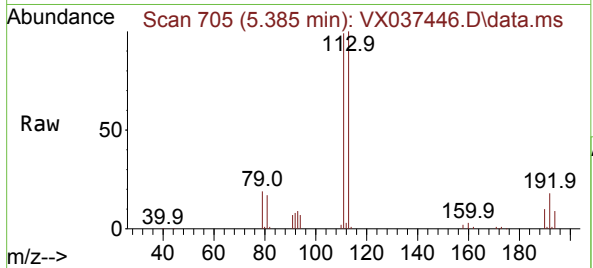




#35
Dibromofluoromethane
Concen: 46.355 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037446.D
Acq: 31 Aug 2023 21:32

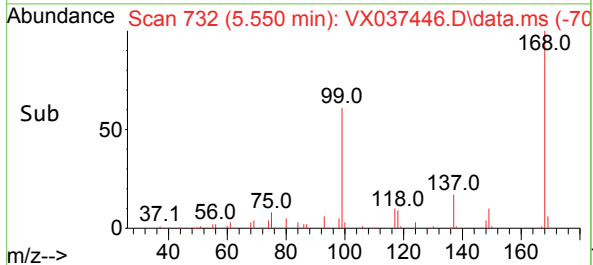
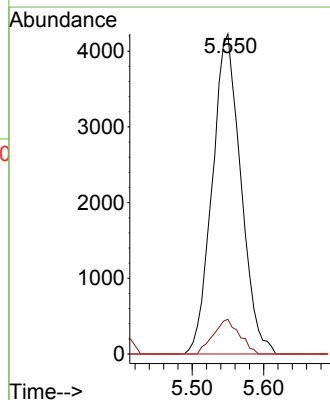
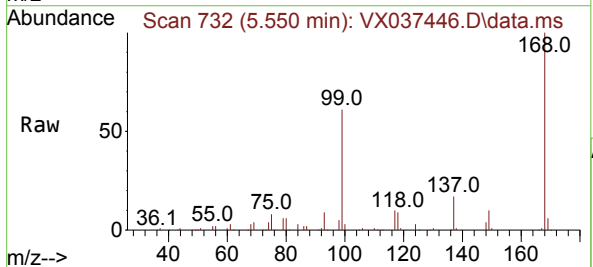
Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-083023-3V

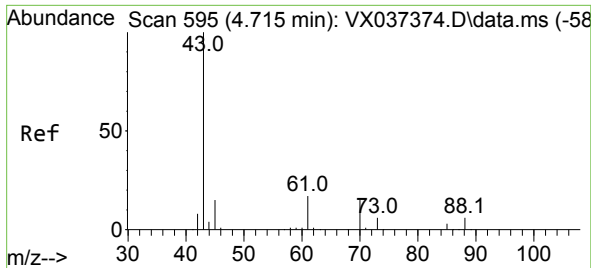
Tgt Ion:113 Resp: 78477
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 18.5 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.876 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037446.D
Acq: 31 Aug 2023 21:32

Tgt Ion: 75 Resp: 11727
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.547 ug/l

RT: 4.580 min Scan# 51

Delta R.T. -0.134 min

Lab File: VX037446.D

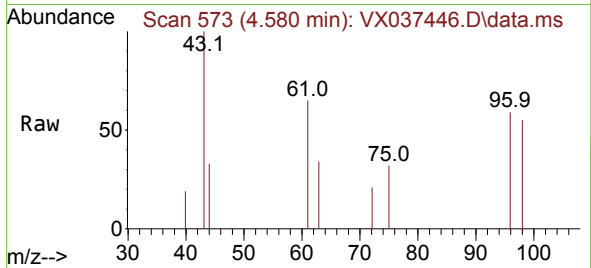
Acq: 31 Aug 2023 21:32

Instrument :

MSVOA_X

ClientSampleId :

OWBR-05-135-083023-3V



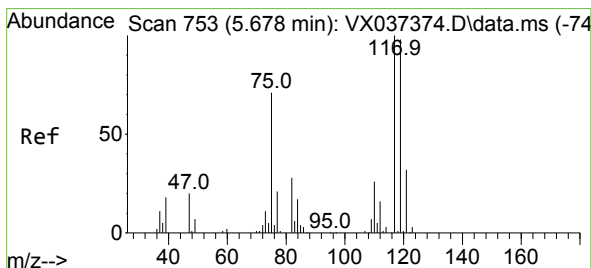
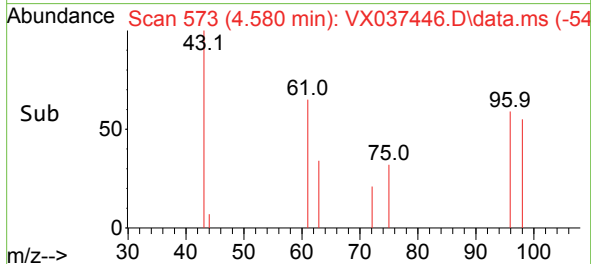
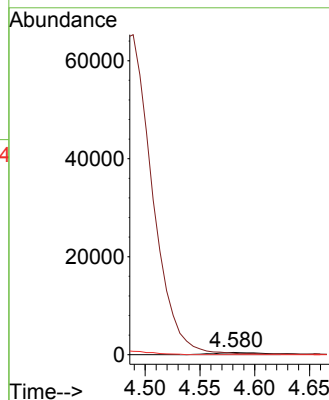
Tgt Ion: 43 Resp: 1344

Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

70 0.0 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.171 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX037446.D

Acq: 31 Aug 2023 21:32

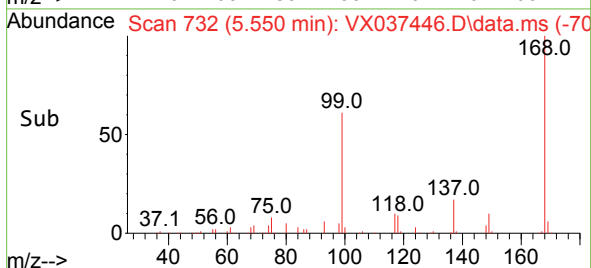
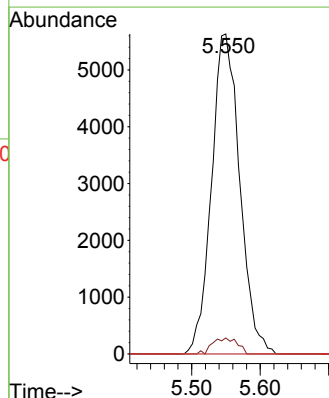
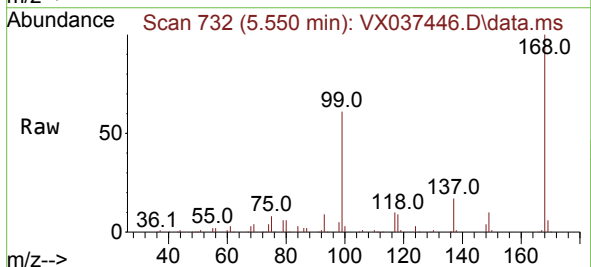
Tgt Ion: 117 Resp: 16123

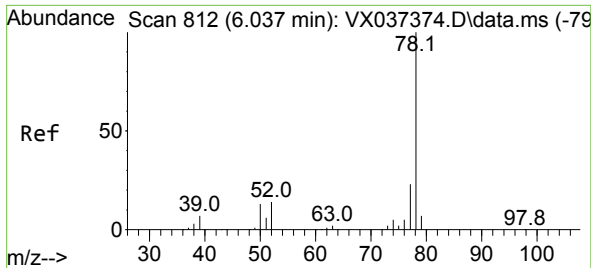
Ion Ratio Lower Upper

117 100

119 5.0 78.2 117.2#

121 0.0 24.4 36.6#





#40

Benzene

Concen: 0.322 ug/l

RT: 6.044 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX037446.D

Acq: 31 Aug 2023 21:32

Instrument :

MSVOA_X

ClientSampleId :

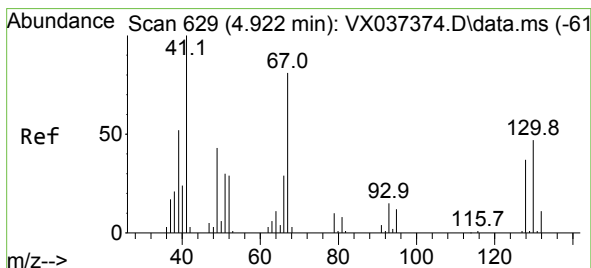
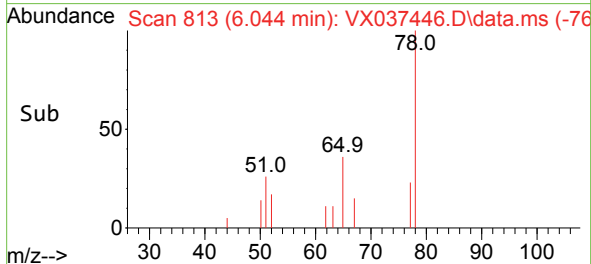
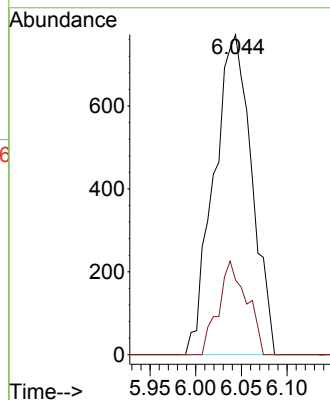
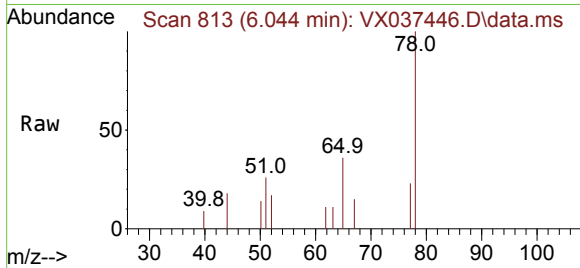
OWBR-05-135-083023-3V

Tgt Ion: 78 Resp: 2224

Ion Ratio Lower Upper

78 100

77 23.3 19.3 28.9



#41

Methacrylonitrile

Concen: 0.222 ug/l

RT: 5.026 min Scan# 646

Delta R.T. 0.104 min

Lab File: VX037446.D

Acq: 31 Aug 2023 21:32

Tgt Ion: 41 Resp: 283

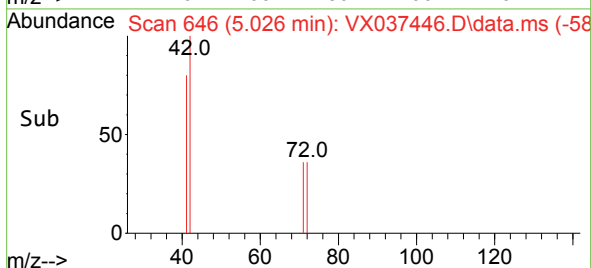
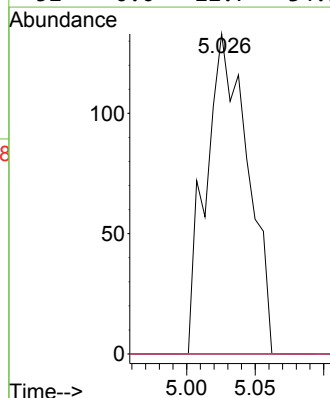
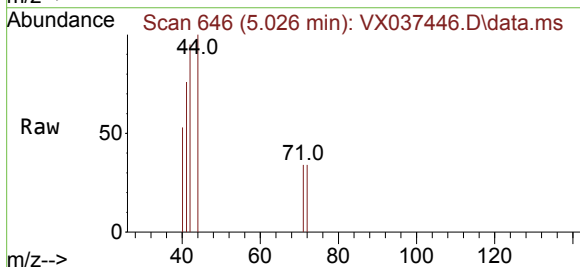
Ion Ratio Lower Upper

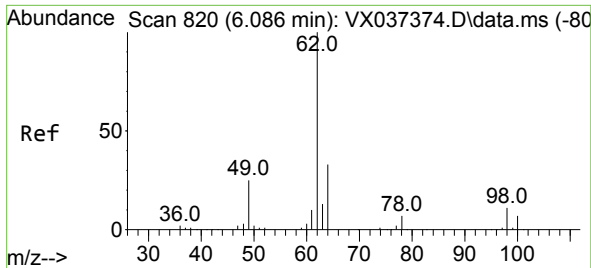
41 100

39 0.0 45.2 67.8#

67 0.0 52.6 78.8#

52 0.0 22.7 34.1#

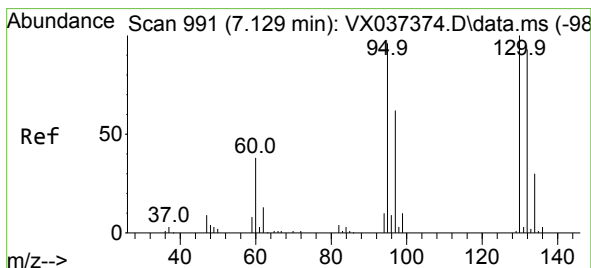
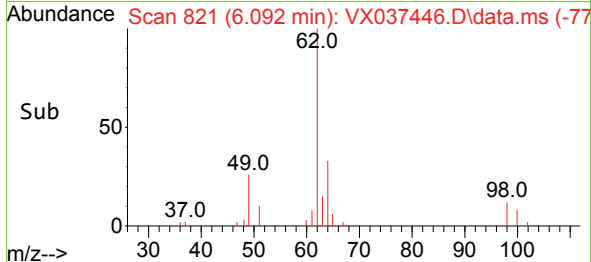
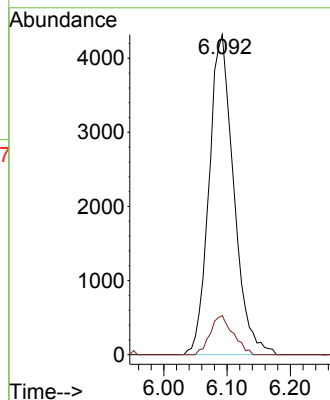
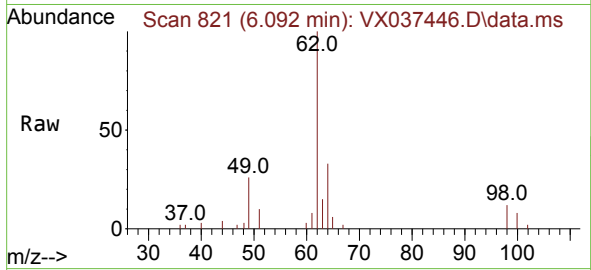




#42
1,2-Dichloroethane
Concen: 4.332 ug/l
RT: 6.092 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX037446.D
Acq: 31 Aug 2023 21:32

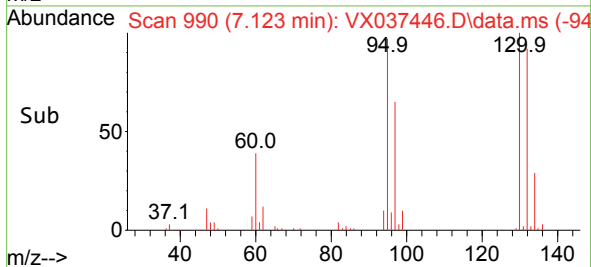
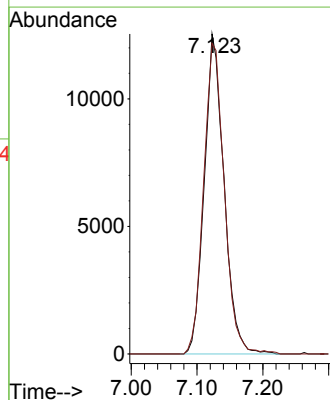
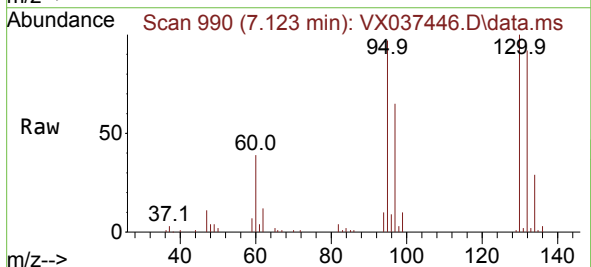
Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-083023-3V

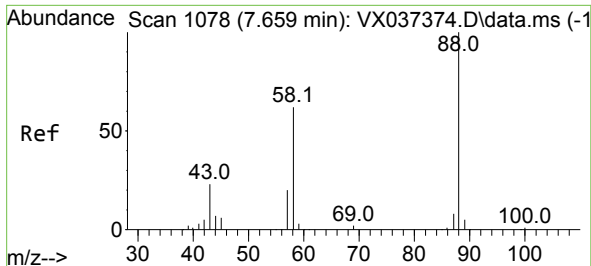
Tgt Ion: 62 Resp: 11718
Ion Ratio Lower Upper
62 100
98 11.3 0.0 16.0



#44
Trichloroethene
Concen: 13.402 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.000 min
Lab File: VX037446.D
Acq: 31 Aug 2023 21:32

Tgt Ion:130 Resp: 26215
Ion Ratio Lower Upper
130 100
95 97.1 0.0 204.4

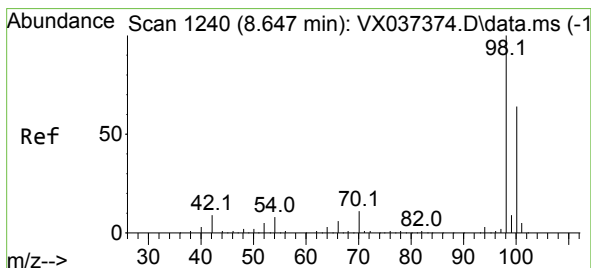
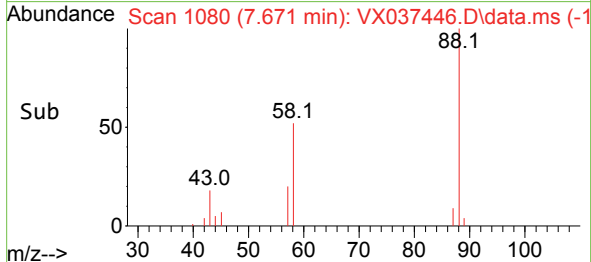
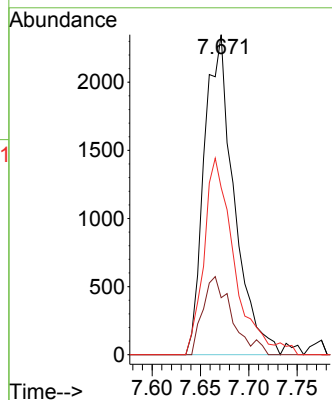
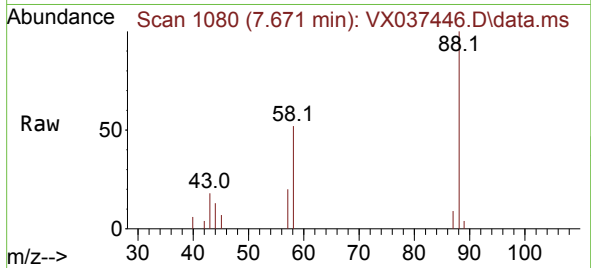




#49
1,4-Dioxane
Concen: 98.024 ug/l
RT: 7.671 min Scan# 1078
Delta R.T. 0.012 min
Lab File: VX037446.D
Acq: 31 Aug 2023 21:32

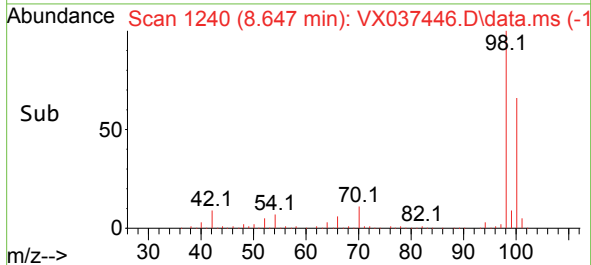
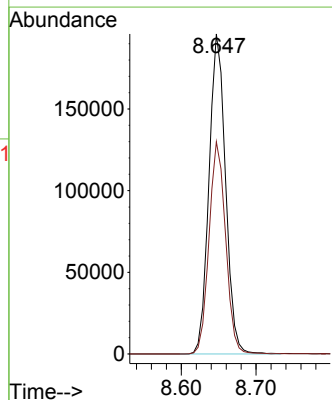
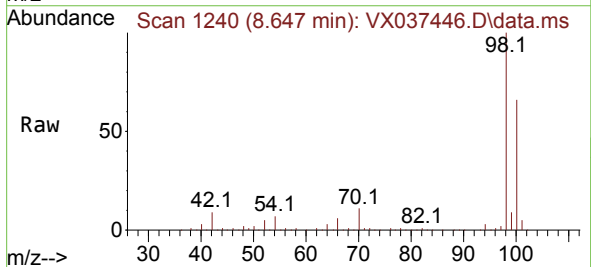
Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-083023-3V

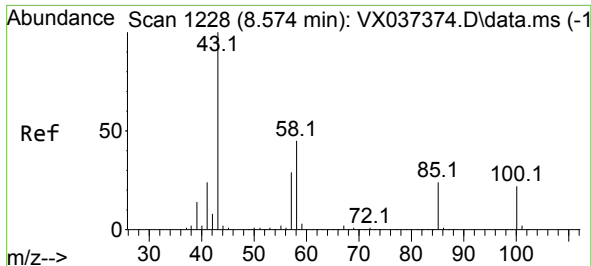
Tgt Ion: 88 Resp: 5022
Ion Ratio Lower Upper
88 100
43 24.0 0.0 0.0#
58 62.9 60.1 90.1



#50
Toluene-d8
Concen: 49.155 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX037446.D
Acq: 31 Aug 2023 21:32

Tgt Ion: 98 Resp: 301858
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7

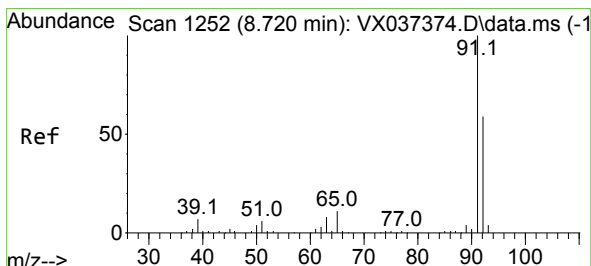
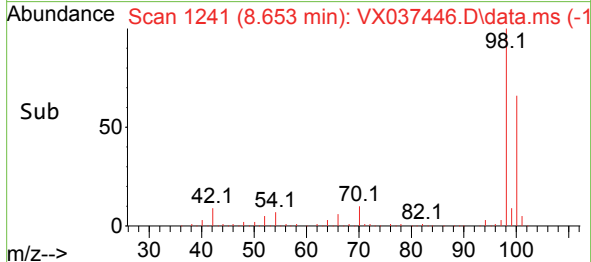
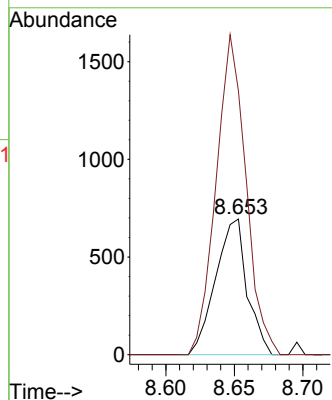
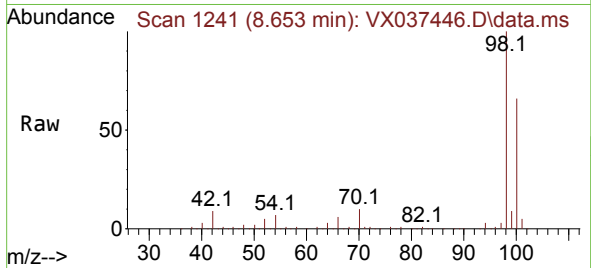




#51
4-Methyl-2-Pentanone
Concen: 0.470 ug/l
RT: 8.653 min Scan# 1113
Delta R.T. 0.079 min
Lab File: VX037446.D
Acq: 31 Aug 2023 21:32

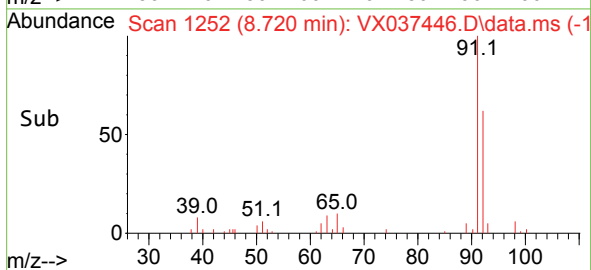
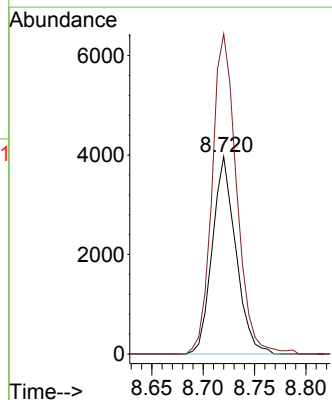
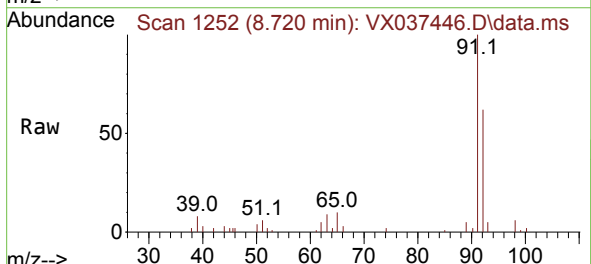
Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-083023-3V

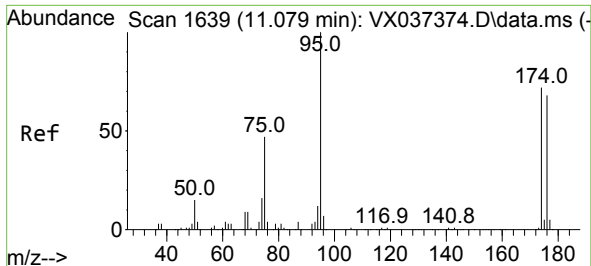
Tgt Ion: 43 Resp: 1113
Ion Ratio Lower Upper
43 100
58 223.0 30.4 45.6#



#52
Toluene
Concen: 1.385 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX037446.D
Acq: 31 Aug 2023 21:32

Tgt Ion: 92 Resp: 6314
Ion Ratio Lower Upper
92 100
91 169.2 134.2 201.2

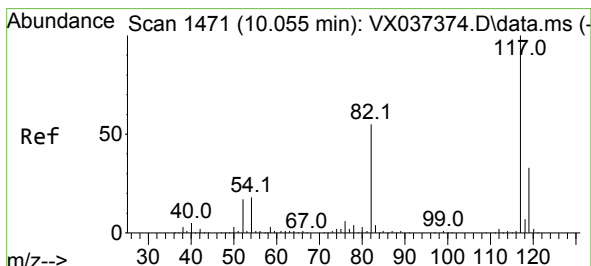
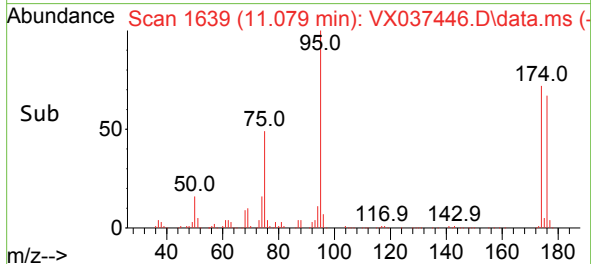
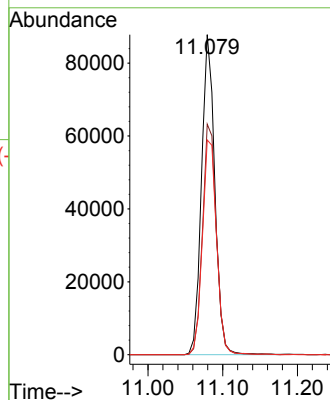
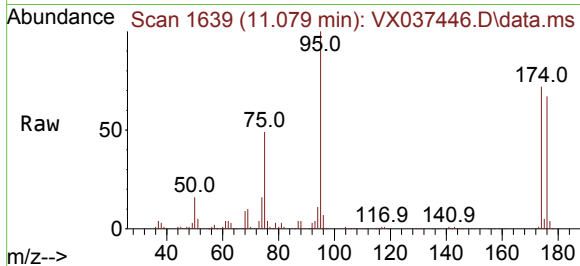




#62
4-Bromofluorobenzene
Concen: 44.858 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037446.D
Acq: 31 Aug 2023 21:32

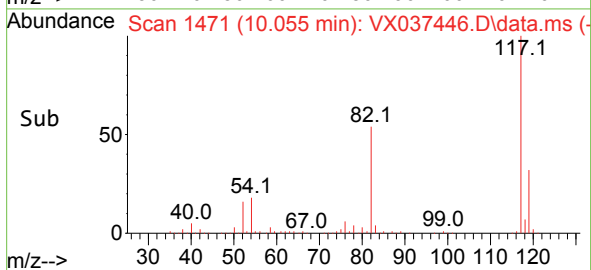
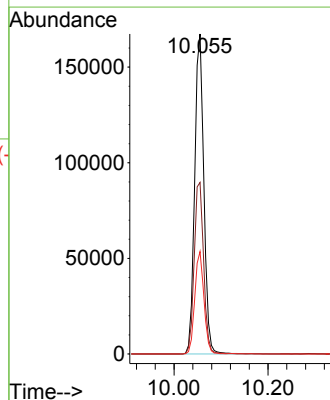
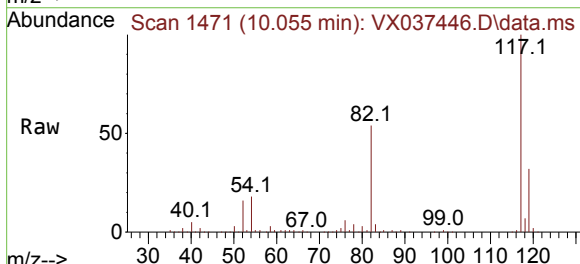
Instrument :
MSVOA_X
ClientSampleId :
OWBR-05-135-083023-3V

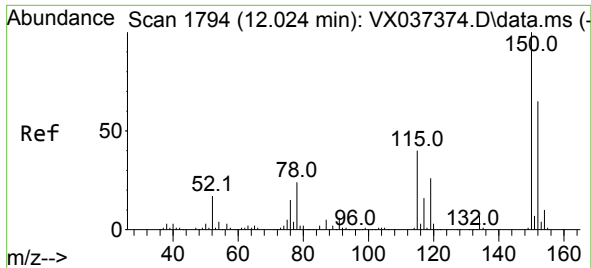
Tgt Ion: 95 Resp: 108256
Ion Ratio Lower Upper
95 100
174 75.1 0.0 135.6
176 71.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037446.D
Acq: 31 Aug 2023 21:32

Tgt Ion: 117 Resp: 228099
Ion Ratio Lower Upper
117 100
82 53.6 46.2 69.4
119 32.0 25.5 38.3

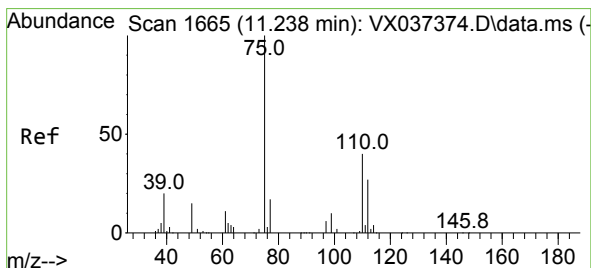
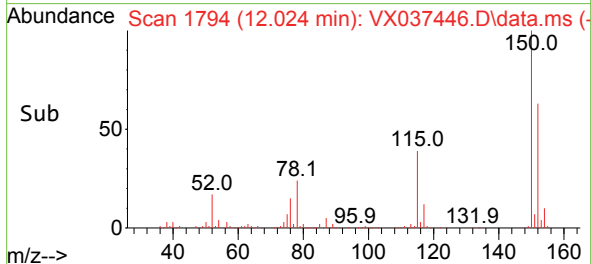
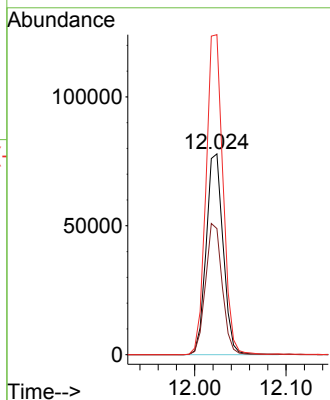
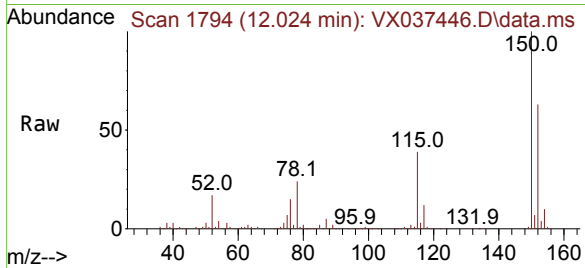




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037446.D
 Acq: 31 Aug 2023 21:32

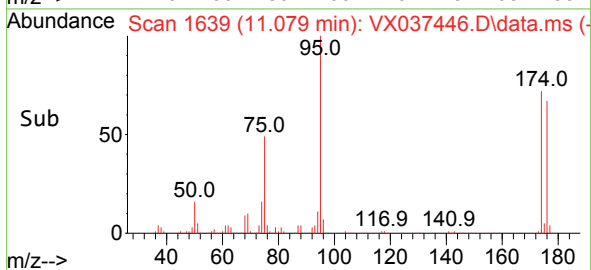
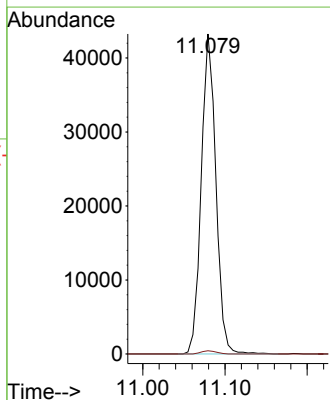
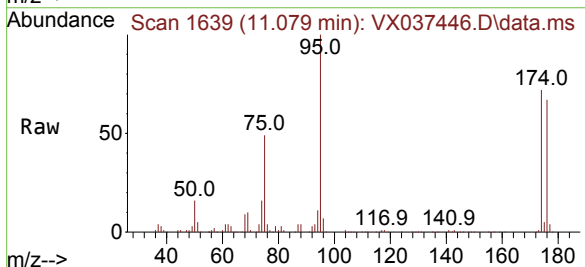
Instrument :
 MSVOA_X
 ClientSampleId :
 OWBR-05-135-083023-3V

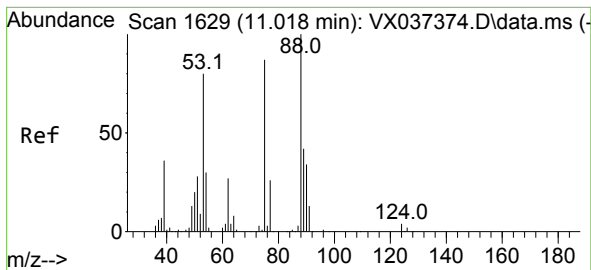
Tgt Ion:152 Resp: 100318
 Ion Ratio Lower Upper
 152 100
 115 64.4 43.3 129.9
 150 159.1 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 24.968 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX037446.D
 Acq: 31 Aug 2023 21:32

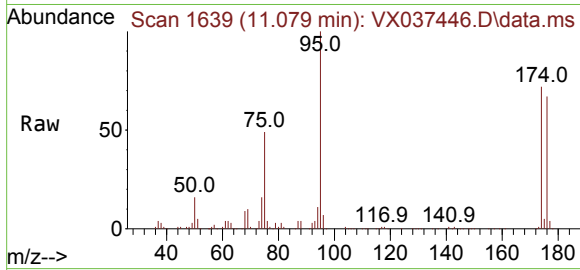
Tgt Ion: 75 Resp: 53342
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.736 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037446.D
 Acq: 31 Aug 2023 21:32

Instrument :
 MSVOA_X
 ClientSampleId :
 OWBR-05-135-083023-3V



Tgt Ion: 75 Resp: 53342
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

