

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090223\
 Data File : VX037489.D
 Acq On : 02 Sep 2023 17:39
 Operator : JC/MD
 Sample : 04269-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11A-13.5-083123-FD

Quant Time: Sep 04 04:30:52 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)

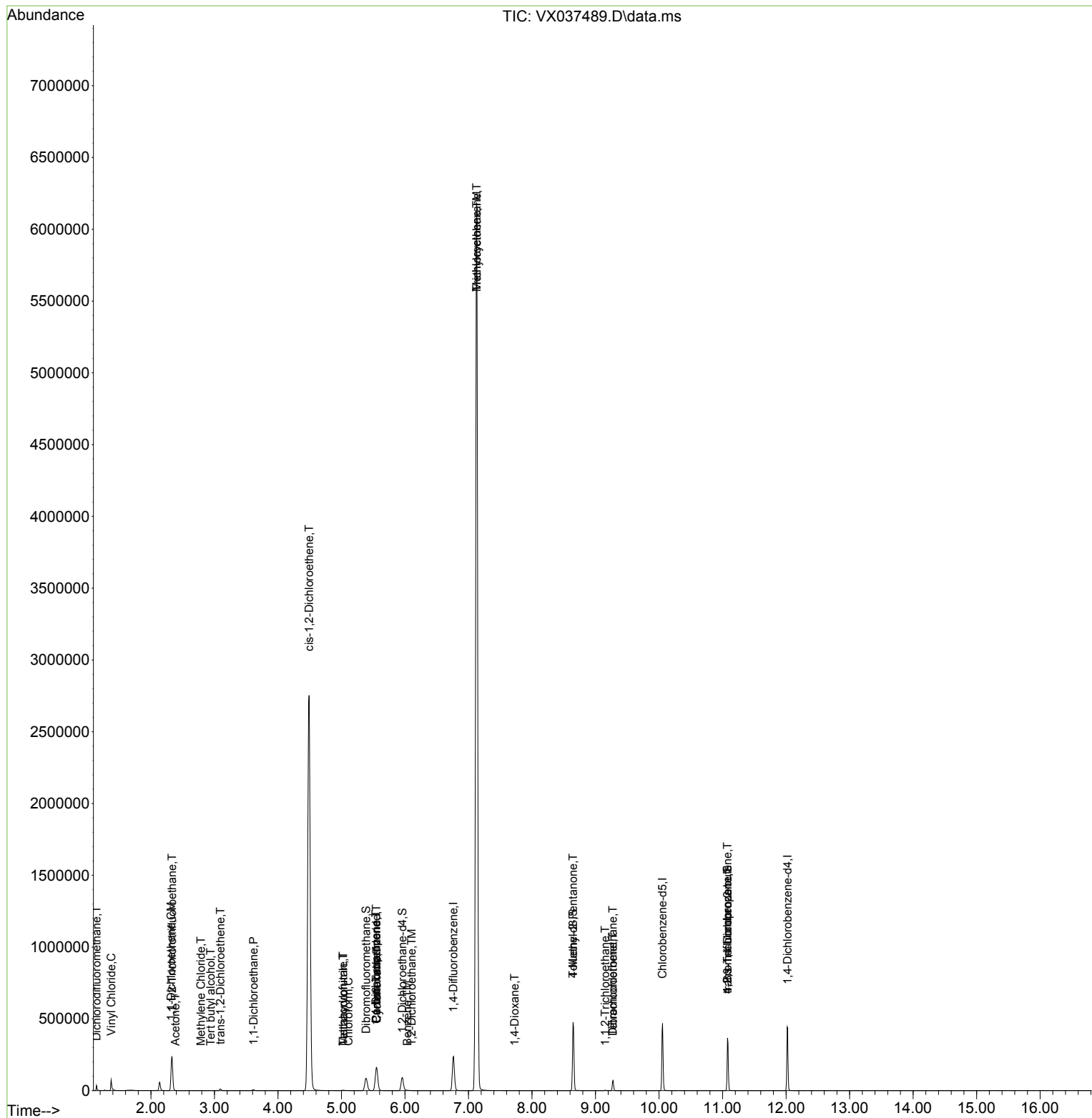
Internal Standards						
1) Pentafluorobenzene	5.549	168	153640	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	254769	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	95797	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	91286	41.213	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	82.420%
35) Dibromofluoromethane	5.385	113	77747	46.078	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.160%
50) Toluene-d8	8.646	98	296200	48.396	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.800%
62) 4-Bromofluorobenzene	11.079	95	104298	43.363	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.720%
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.142	85	3080	1.726	ug/l	100
4) Vinyl Chloride	1.373	62	54878	32.290	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.331	101	93306	57.451	ug/l	97
11) Tert butyl alcohol	2.940	59	121	0.233	ug/l #	78
12) 1,1-Dichloroethene	2.318	96	6660	4.211	ug/l	83
16) Acetone	2.385	43	1110	1.281	ug/l	99
20) Methylene Chloride	2.788	84	577	0.298	ug/l #	89
21) trans-1,2-Dichloroethene	3.093	96	5104	2.839	ug/l	83
24) 1,1-Dichloroethane	3.617	63	8338	2.647	ug/l	97
27) cis-1,2-Dichloroethene	4.489	96	1892237	892.765	ug/l	77
29) Tetrahydrofuran	5.025	42	2928	3.519	ug/l #	84
30) Chloroform	5.111	83	891	0.252	ug/l	86
31) Cyclohexane	5.556	56	2924	1.174	ug/l #	1
36) 1,1-Dichloropropene	5.543	75	11494	4.795	ug/l #	51
38) Carbon Tetrachloride	5.549	117	16377	6.289	ug/l #	16
39) Methylcyclohexane	7.128	83	28632	11.368	ug/l #	1
40) Benzene	6.037	78	3371	0.490	ug/l #	86
41) Methacrylonitrile	5.025	41	1766	1.387	ug/l #	47
42) 1,2-Dichloroethane	6.104	62	821	0.305	ug/l #	77
44) Trichloroethene	7.128	130	2533228	1299.450	ug/l	95
49) 1,4-Dioxane	7.726	88	60	1.175	ug/l #	65
51) 4-Methyl-2-Pentanone	8.646	43	1037	0.439	ug/l #	1
55) 1,1,2-Trichloroethane	9.152	97	1090	0.589	ug/l #	88
60) Dibromochloromethane	9.274	129	13226	6.716	ug/l #	11
64) Tetrachloroethene	9.274	164	13801	8.466	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	50378	24.693	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	50378	68.969	ug/l #	5

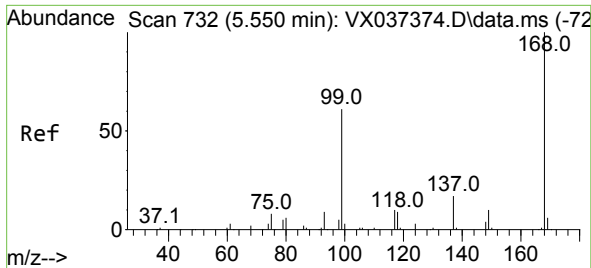
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

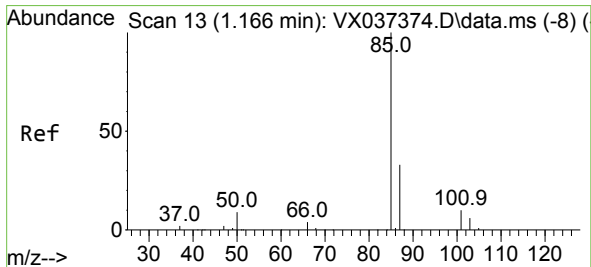
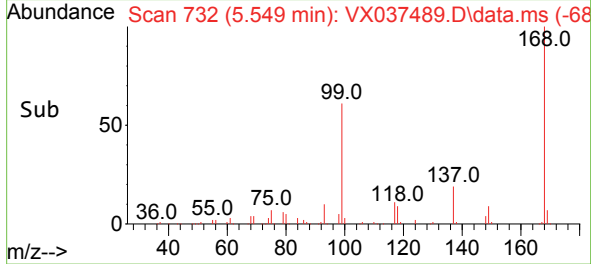
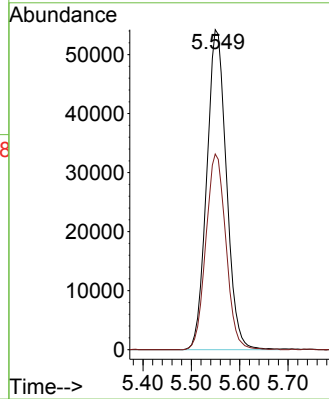
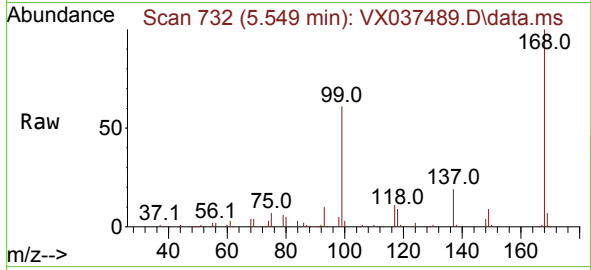




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX037489.D
Acq: 02 Sep 2023 17:39

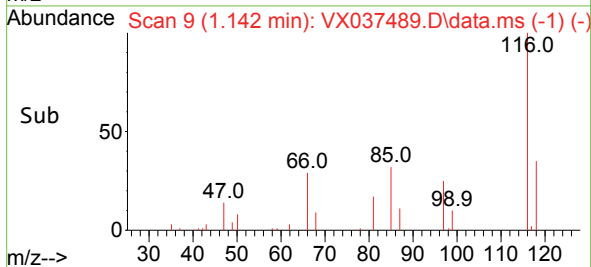
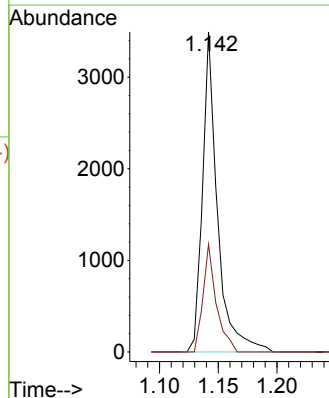
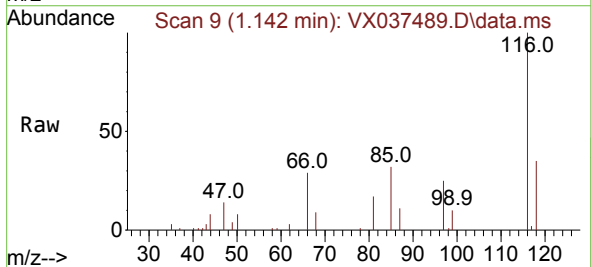
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123-FD

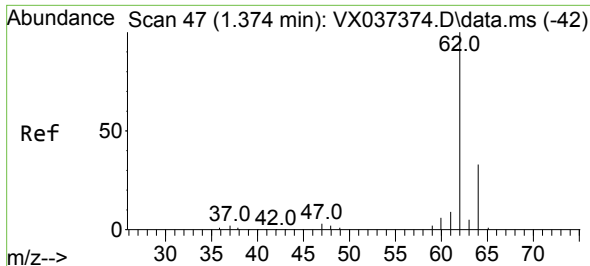
Tgt Ion:168 Resp: 153640
Ion Ratio Lower Upper
168 100
99 61.1 56.6 85.0



#2
Dichlorodifluoromethane
Concen: 1.726 ug/l
RT: 1.142 min Scan# 9
Delta R.T. -0.025 min
Lab File: VX037489.D
Acq: 02 Sep 2023 17:39

Tgt Ion: 85 Resp: 3080
Ion Ratio Lower Upper
85 100
87 33.6 16.7 50.1

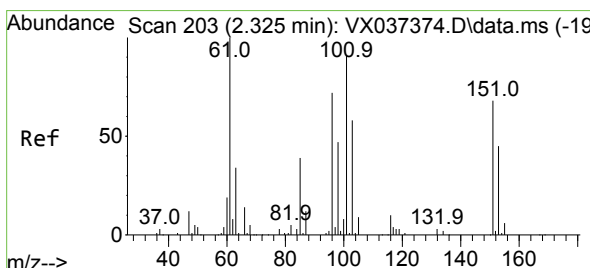
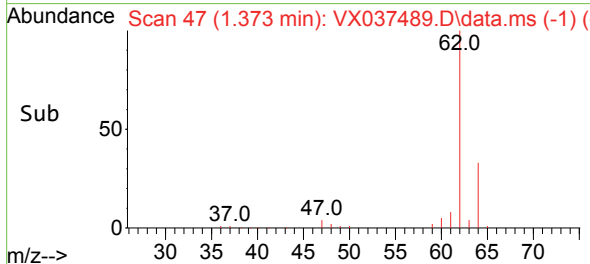
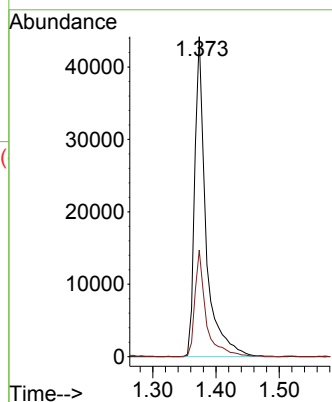
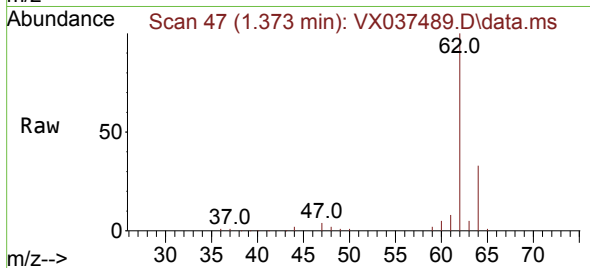




#4
 Vinyl Chloride
 Concen: 32.290 ug/l
 RT: 1.373 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX037489.D
 Acq: 02 Sep 2023 17:39

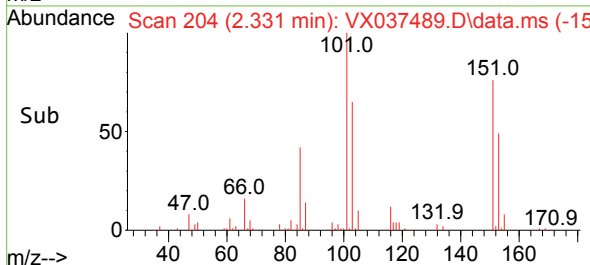
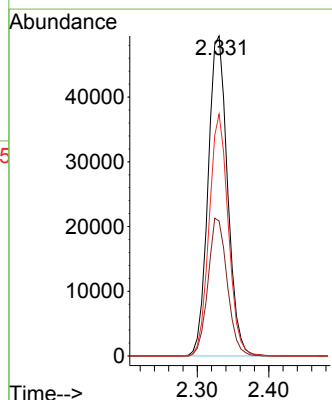
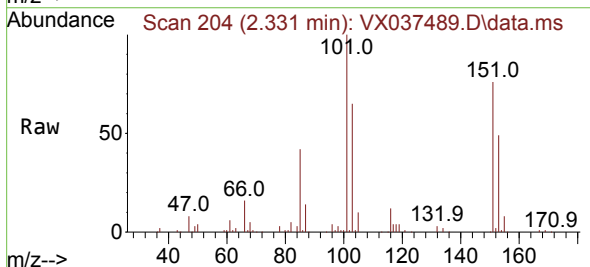
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11A-13.5-083123-FD

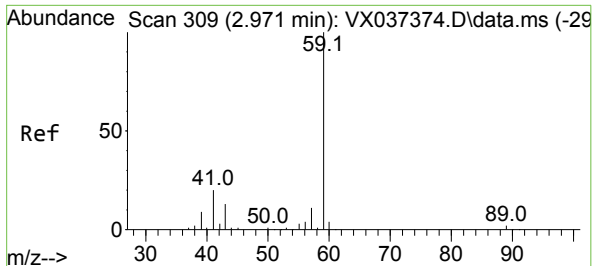
Tgt Ion: 62 Resp: 54878
 Ion Ratio Lower Upper
 62 100
 64 33.3 25.4 38.0



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 57.451 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: VX037489.D
 Acq: 02 Sep 2023 17:39

Tgt Ion: 101 Resp: 93306
 Ion Ratio Lower Upper
 101 100
 85 42.6 37.0 55.6
 151 74.2 58.6 87.8

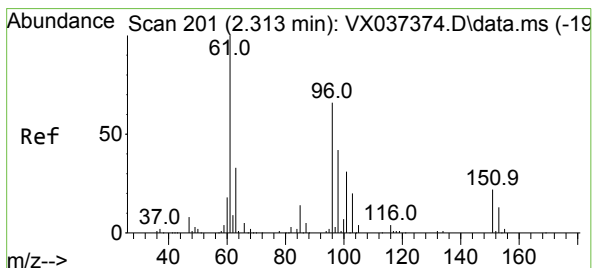
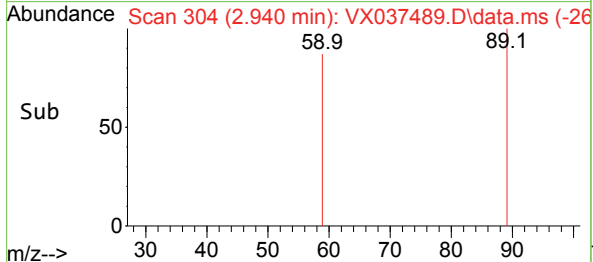
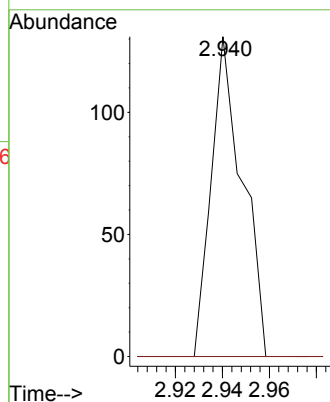
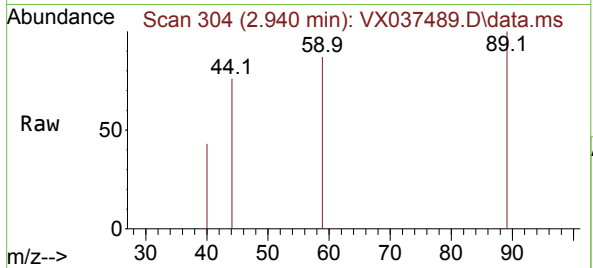




#11
Tert butyl alcohol
Concen: 0.233 ug/l
RT: 2.940 min Scan# 309
Delta R.T. -0.037 min
Lab File: VX037489.D
Acq: 02 Sep 2023 17:39

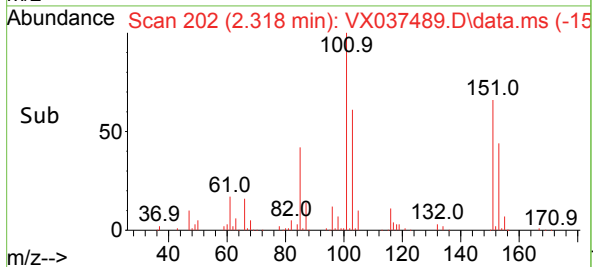
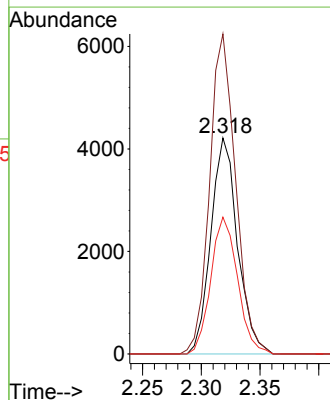
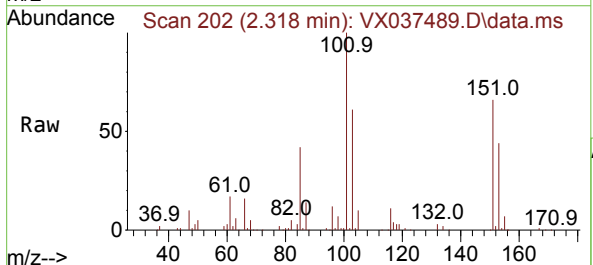
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123-FD

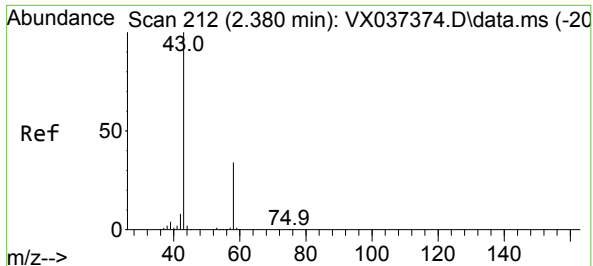
Tgt Ion: 59 Resp: 121
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#12
1,1-Dichloroethene
Concen: 4.211 ug/l
RT: 2.318 min Scan# 202
Delta R.T. 0.006 min
Lab File: VX037489.D
Acq: 02 Sep 2023 17:39

Tgt Ion: 96 Resp: 6660
Ion Ratio Lower Upper
96 100
61 148.2 144.6 216.8
98 63.4 50.4 75.6

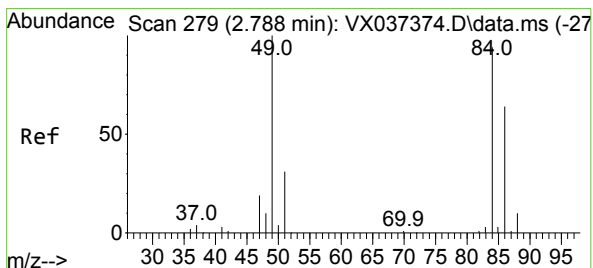
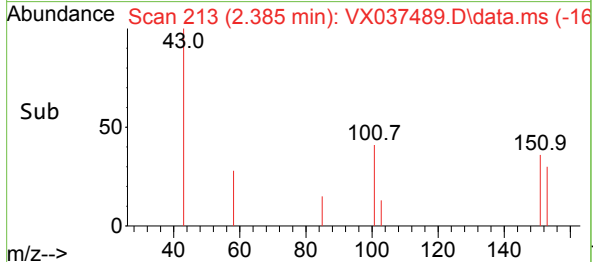
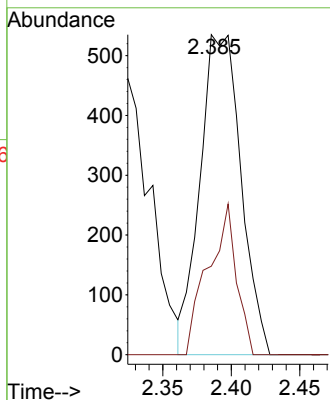
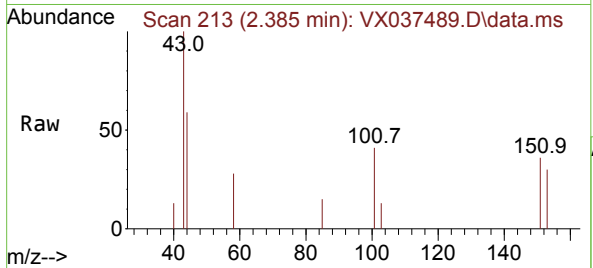




#16
Acetone
Concen: 1.281 ug/l
RT: 2.385 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX037489.D
Acq: 02 Sep 2023 17:39

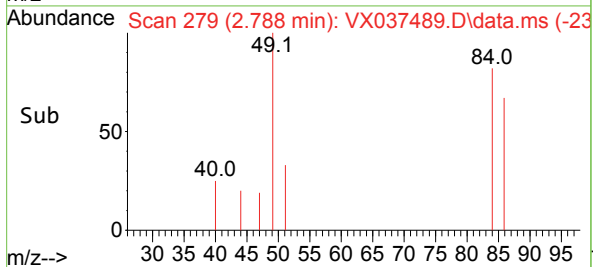
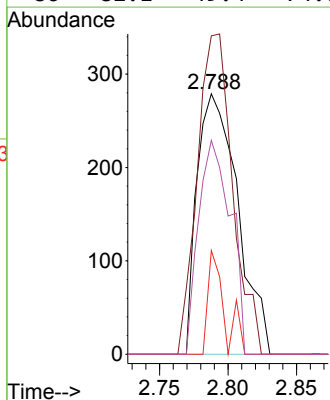
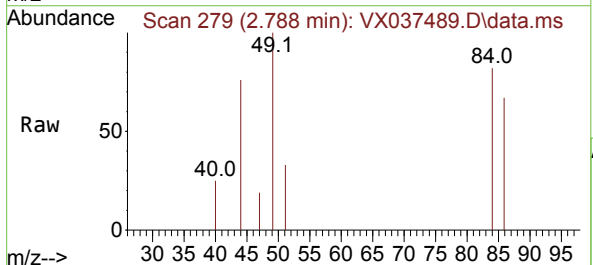
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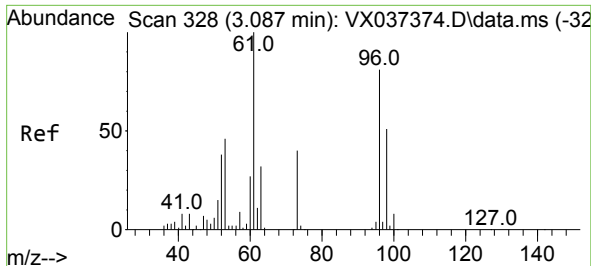
Tgt Ion: 43 Resp: 1110
Ion Ratio Lower Upper
43 100
58 27.7 21.9 32.9



#20
Methylene Chloride
Concen: 0.298 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX037489.D
Acq: 02 Sep 2023 17:39

Tgt Ion: 84 Resp: 577
Ion Ratio Lower Upper
84 100
49 122.2 103.6 155.4
51 39.8 33.8 50.6
86 82.1 49.4 74.0#

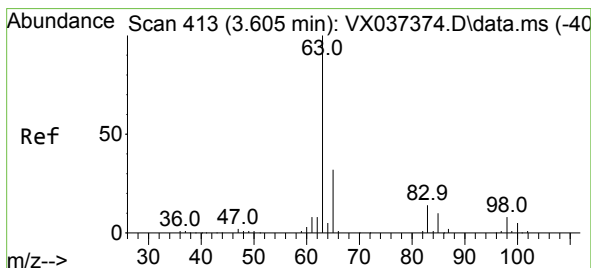
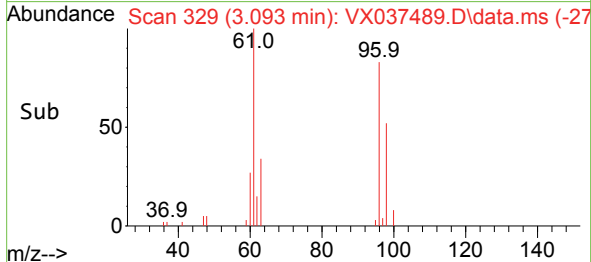
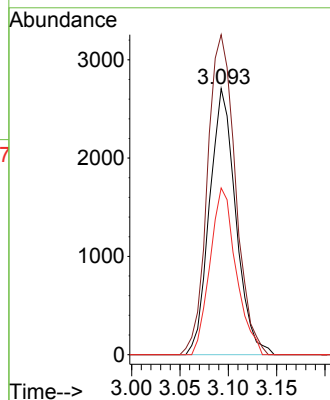
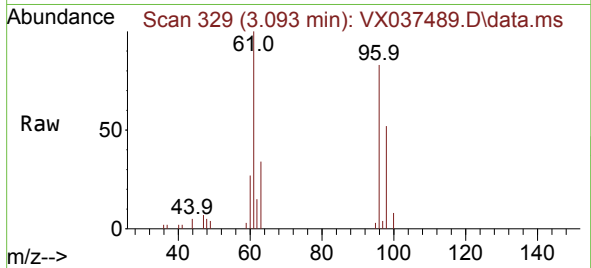




#21
trans-1,2-Dichloroethene
Concen: 2.839 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX037489.D
Acq: 02 Sep 2023 17:39

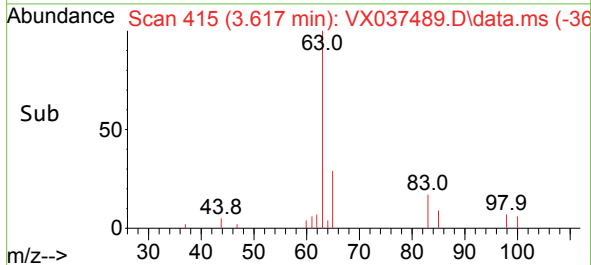
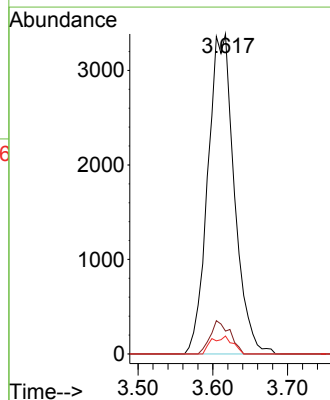
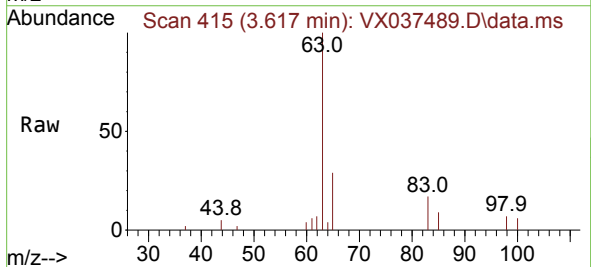
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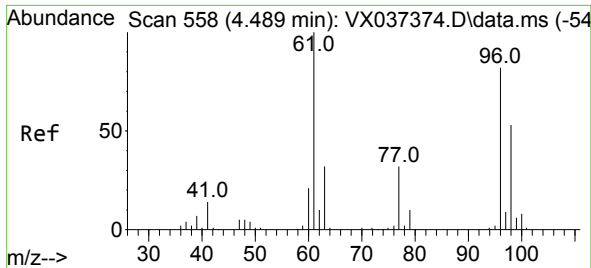
Tgt Ion: 96 Resp: 5104
Ion Ratio Lower Upper
96 100
61 120.3 119.2 178.8
98 62.7 48.7 73.1



#24
1,1-Dichloroethane
Concen: 2.647 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.012 min
Lab File: VX037489.D
Acq: 02 Sep 2023 17:39

Tgt Ion: 63 Resp: 8338
Ion Ratio Lower Upper
63 100
98 7.1 3.3 9.8
100 5.6 2.1 6.5





#27

cis-1,2-Dichloroethene

Concen: 892.765 ug/l

RT: 4.489 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX037489.D

Acq: 02 Sep 2023 17:39

Instrument :

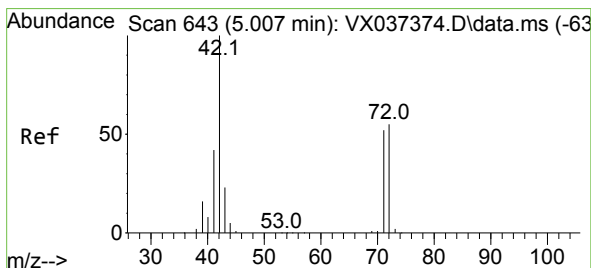
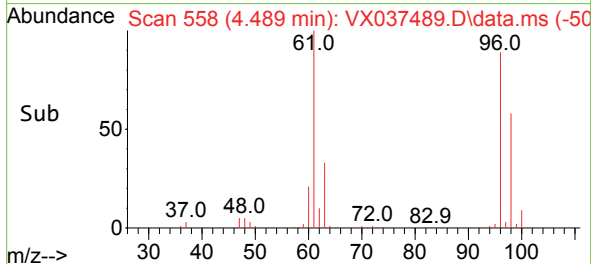
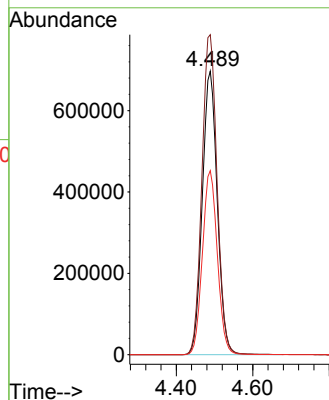
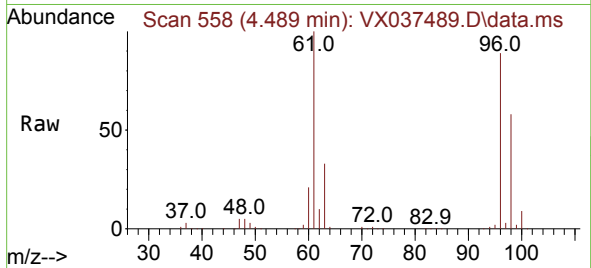
MSVOA_X

ClientSampleId :

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Tgt Ion: 96 Resp: 1892237

Ion	Ratio	Lower	Upper
96	100		
61	114.8	0.0	312.2
98	64.8	0.0	129.0



#29

Tetrahydrofuran

Concen: 3.519 ug/l

RT: 5.025 min Scan# 646

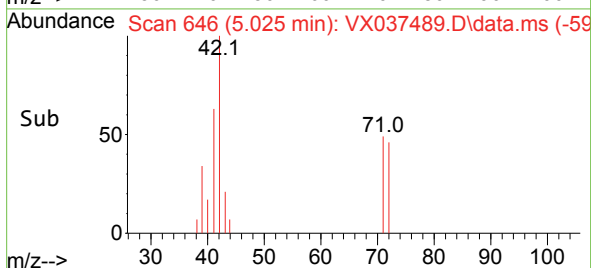
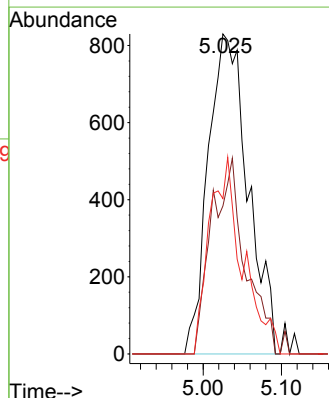
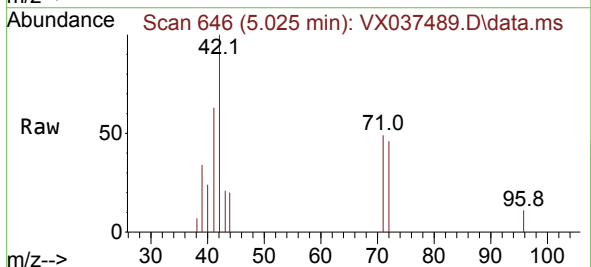
Delta R.T. 0.018 min

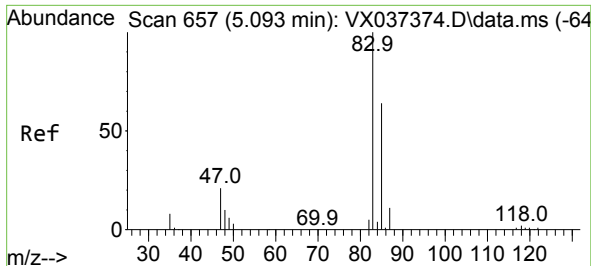
Lab File: VX037489.D

Acq: 02 Sep 2023 17:39

Tgt Ion: 42 Resp: 2928

Ion	Ratio	Lower	Upper
42	100		
72	52.1	34.2	51.4#
71	51.2	32.2	48.2#





#30

Chloroform

Concen: 0.252 ug/l

RT: 5.111 min Scan# 60

Delta R.T. 0.018 min

Lab File: VX037489.D

Acq: 02 Sep 2023 17:39

Instrument :

MSVOA_X

ClientSampleId :

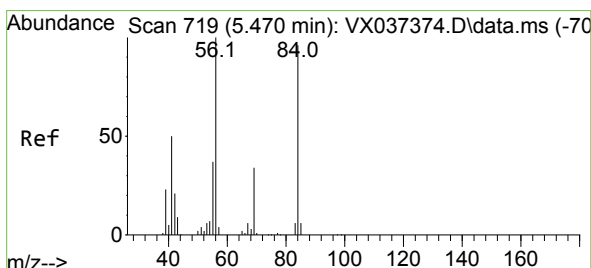
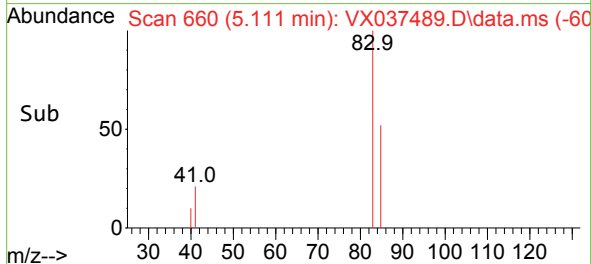
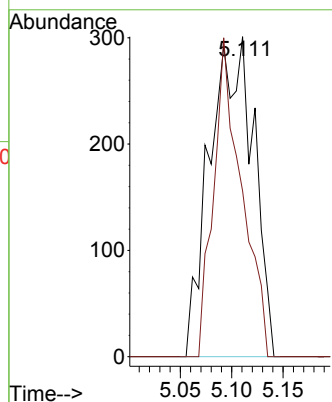
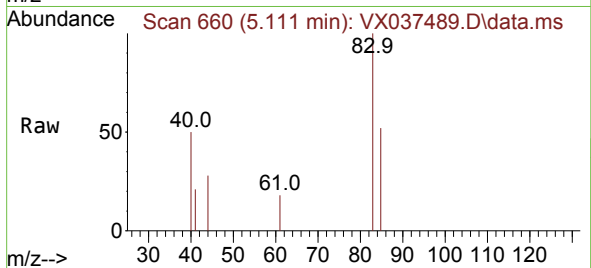
MW-11A-13.5-083123-FD

Tgt Ion: 83 Resp: 891

Ion Ratio Lower Upper

83 100

85 51.8 50.3 75.5



#31

Cyclohexane

Concen: 1.174 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX037489.D

Acq: 02 Sep 2023 17:39

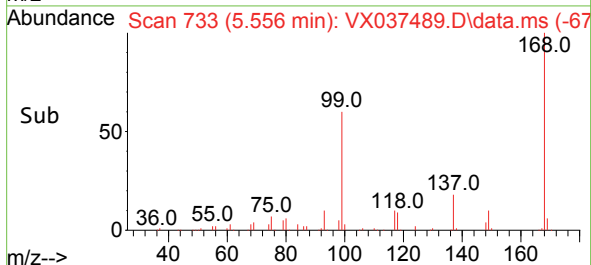
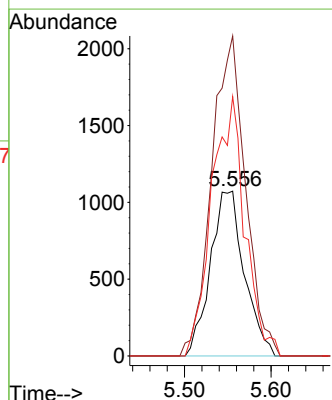
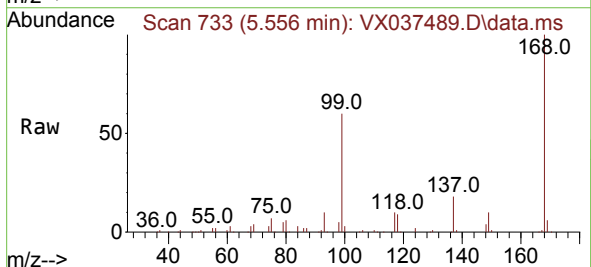
Tgt Ion: 56 Resp: 2924

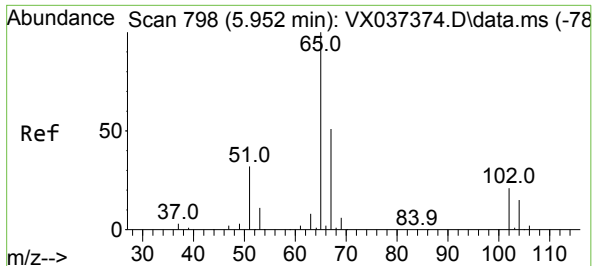
Ion Ratio Lower Upper

56 100

69 194.1 23.4 35.2#

84 157.3 65.9 98.9#

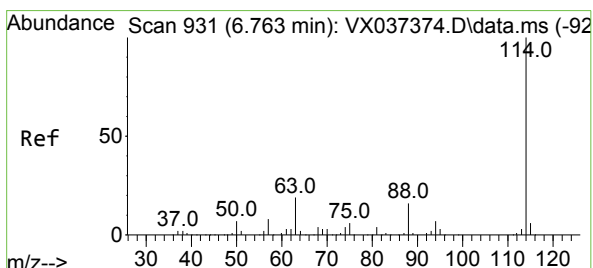
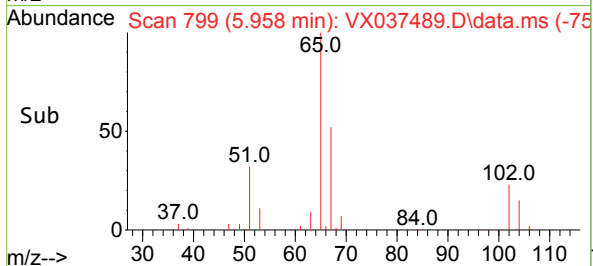
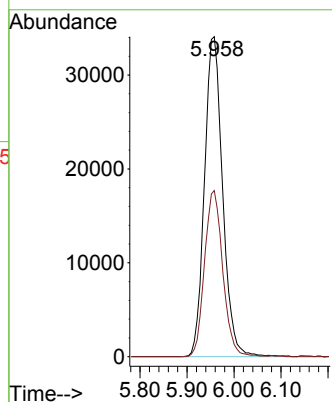
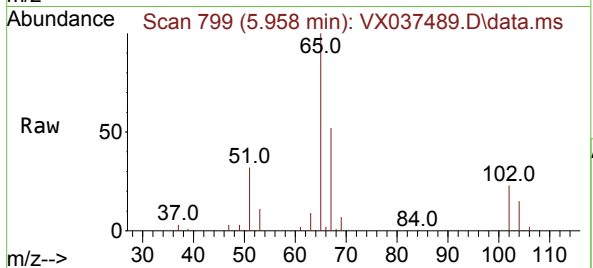




#33
1,2-Dichloroethane-d4
Concen: 41.213 ug/l
RT: 5.958 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX037489.D
Acq: 02 Sep 2023 17:39

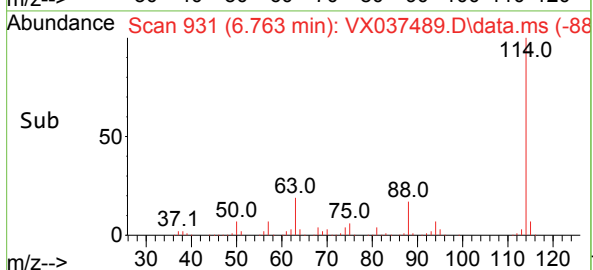
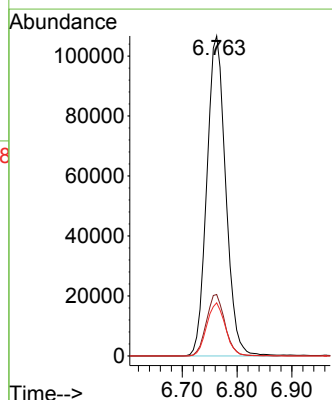
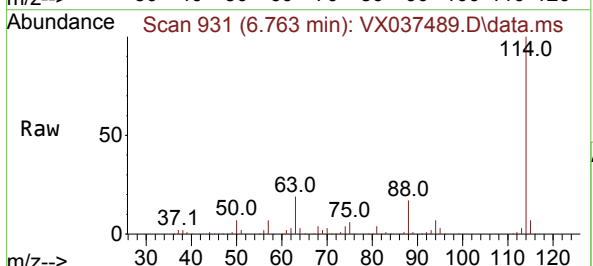
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123-FD

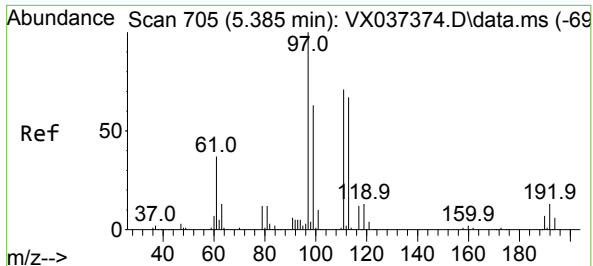
Tgt Ion: 65 Resp: 91286
Ion Ratio Lower Upper
65 100
67 52.2 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX037489.D
Acq: 02 Sep 2023 17:39

Tgt Ion: 114 Resp: 254769
Ion Ratio Lower Upper
114 100
63 19.2 0.0 45.0
88 16.6 0.0 36.6

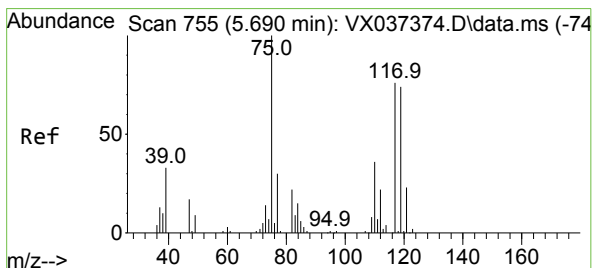
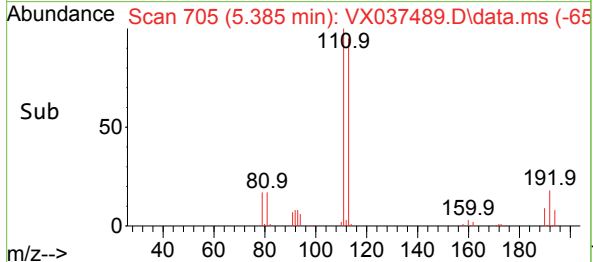
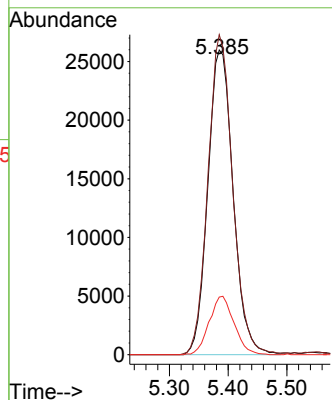
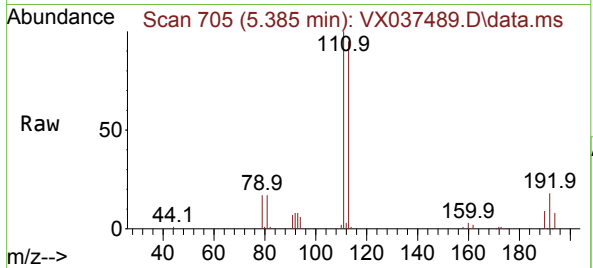




#35
 Dibromofluoromethane
 Concen: 46.078 ug/l
 RT: 5.385 min Scan# 705
 Delta R.T. -0.000 min
 Lab File: VX037489.D
 Acq: 02 Sep 2023 17:39

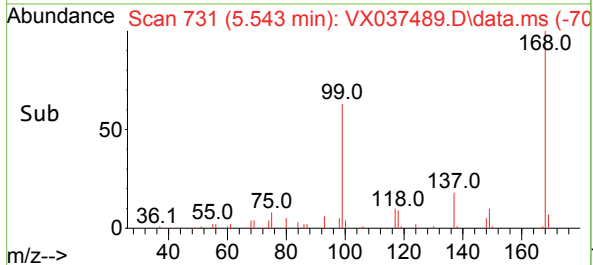
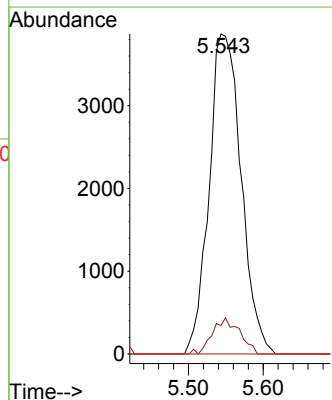
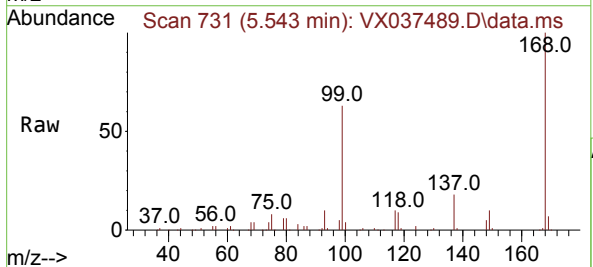
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11A-13.5-083123-FD

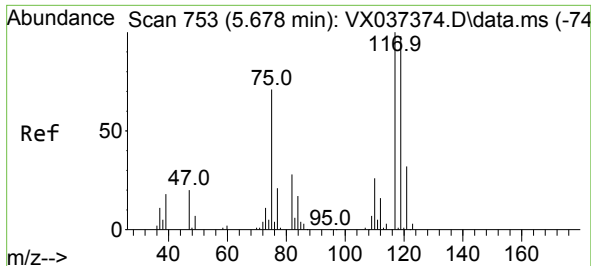
Tgt Ion:	113	Resp:	77747
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	18.8	13.3	19.9



#36
 1,1-Dichloropropene
 Concen: 4.795 ug/l
 RT: 5.543 min Scan# 731
 Delta R.T. -0.153 min
 Lab File: VX037489.D
 Acq: 02 Sep 2023 17:39

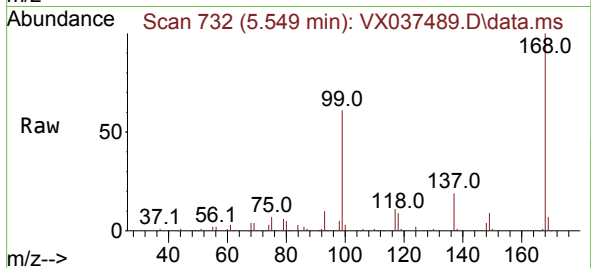
Tgt Ion:	75	Resp:	11494
Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.0	50.9#
77	0.0	24.7	37.1#



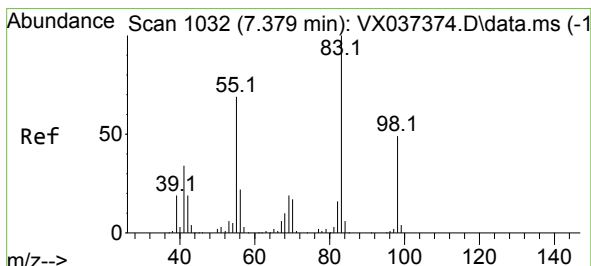
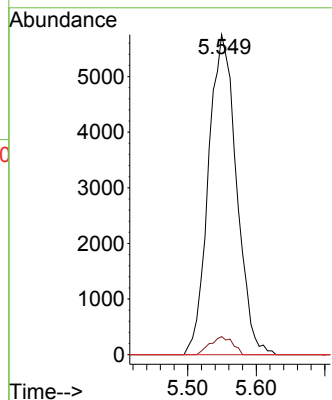
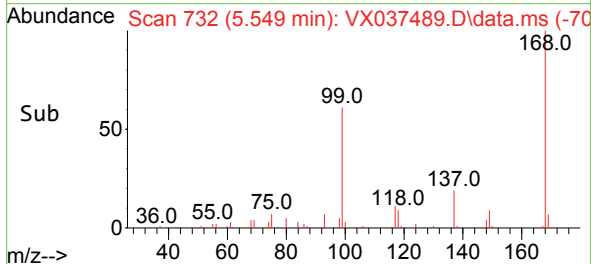


#38
Carbon Tetrachloride
Concen: 6.289 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037489.D
Acq: 02 Sep 2023 17:39

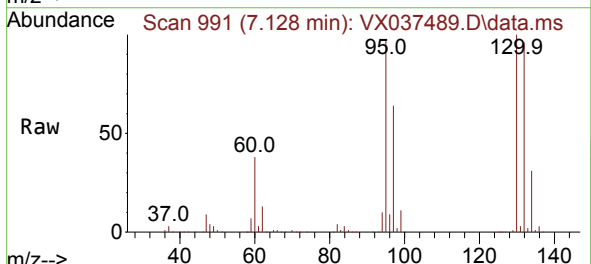
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123-FD



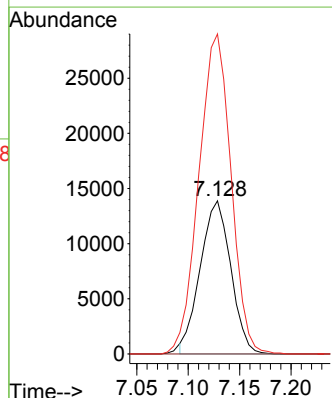
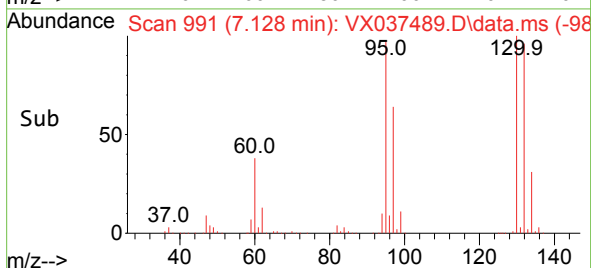
Tgt Ion:117 Resp: 16377
Ion Ratio Lower Upper
117 100
119 5.7 78.2 117.2#
121 0.0 24.4 36.6#

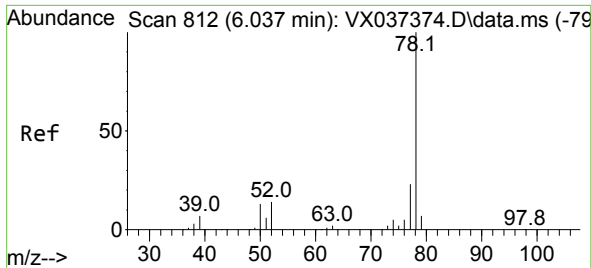


#39
Methylcyclohexane
Concen: 11.368 ug/l
RT: 7.128 min Scan# 991
Delta R.T. -0.250 min
Lab File: VX037489.D
Acq: 02 Sep 2023 17:39



Tgt Ion: 83 Resp: 28632
Ion Ratio Lower Upper
83 100
55 0.0 64.6 97.0#
98 208.4 36.7 55.1#





#40

Benzene

Concen: 0.490 ug/l

RT: 6.037 min Scan# 812

Delta R.T. -0.000 min

Lab File: VX037489.D

Acq: 02 Sep 2023 17:39

Instrument :

MSVOA_X

ClientSampleId :

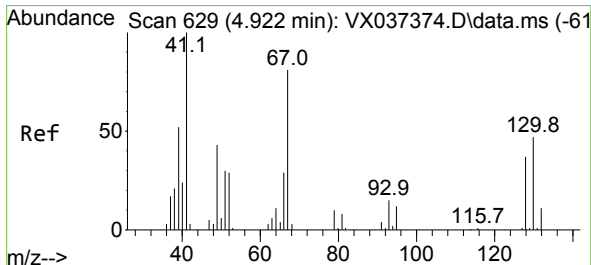
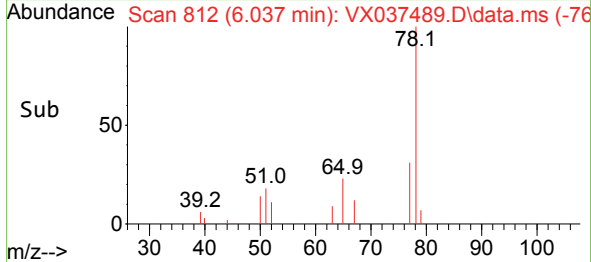
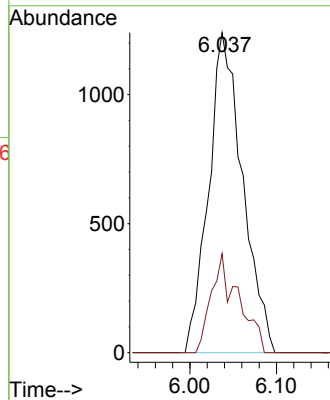
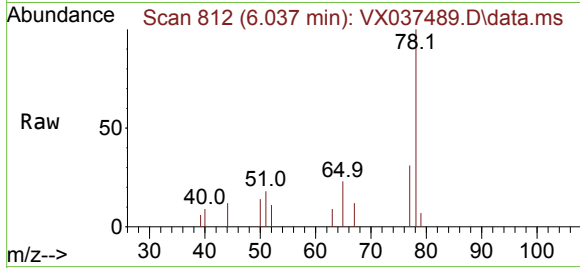
MW-11A-13.5-083123-FD

Tgt Ion: 78 Resp: 3371

Ion Ratio Lower Upper

78 100

77 31.0 19.3 28.9#



#41

Methacrylonitrile

Concen: 1.387 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.103 min

Lab File: VX037489.D

Acq: 02 Sep 2023 17:39

Tgt Ion: 41 Resp: 1766

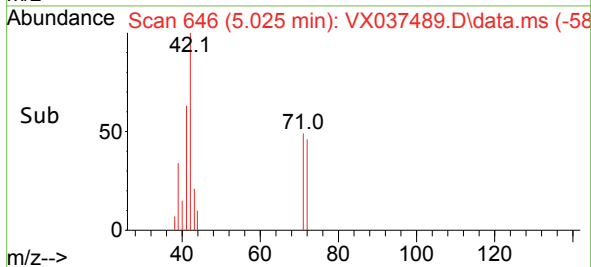
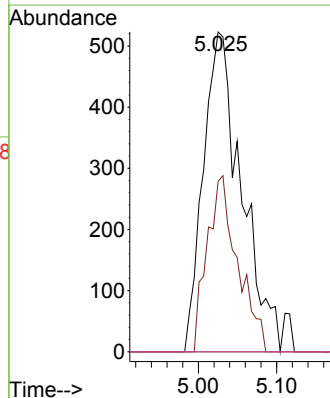
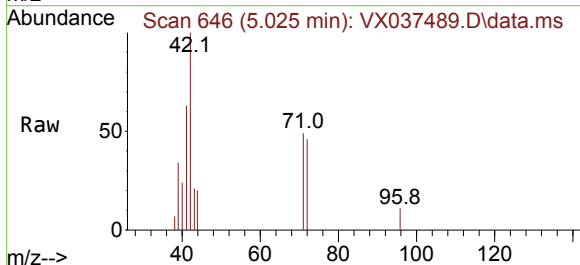
Ion Ratio Lower Upper

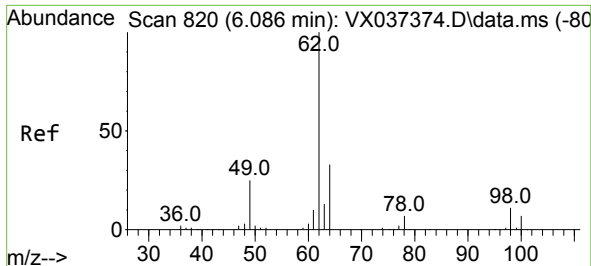
41 100

39 44.2 45.2 67.8#

67 0.0 52.6 78.8#

52 0.0 22.7 34.1#





#42

1,2-Dichloroethane

Concen: 0.305 ug/l

RT: 6.104 min Scan# 821

Delta R.T. 0.018 min

Lab File: VX037489.D

Acq: 02 Sep 2023 17:39

Instrument :

MSVOA_X

ClientSampleId :

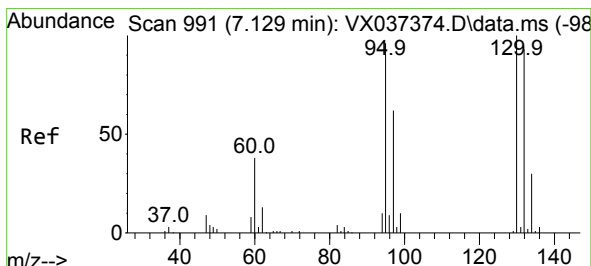
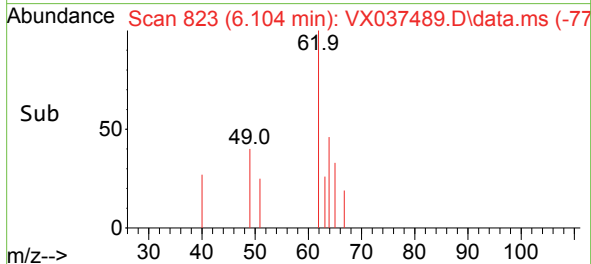
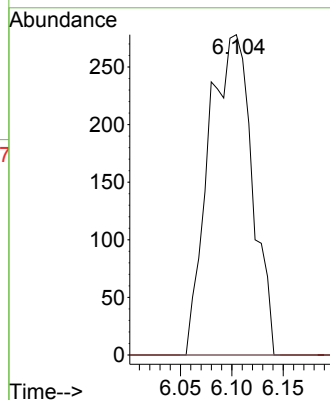
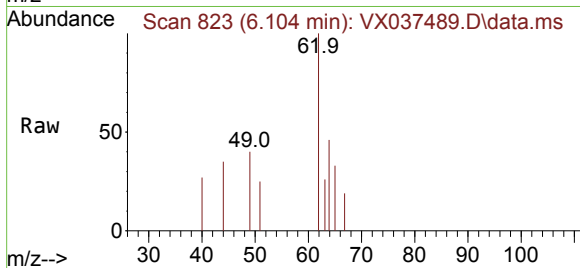
MW-11A-13.5-083123-FD

Tgt Ion: 62 Resp: 821

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#44

Trichloroethene

Concen: 1299.450 ug/l

RT: 7.128 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX037489.D

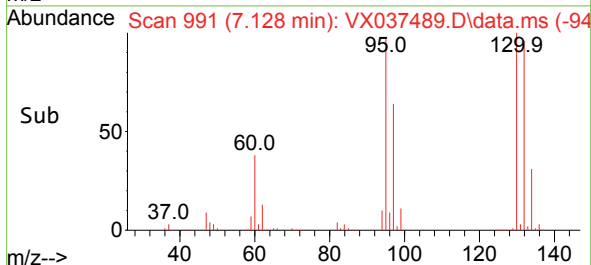
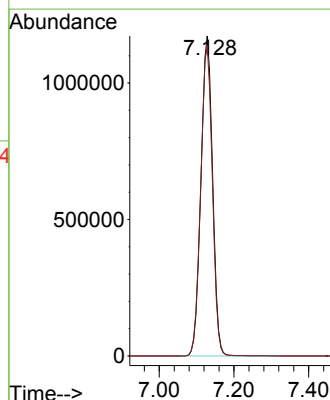
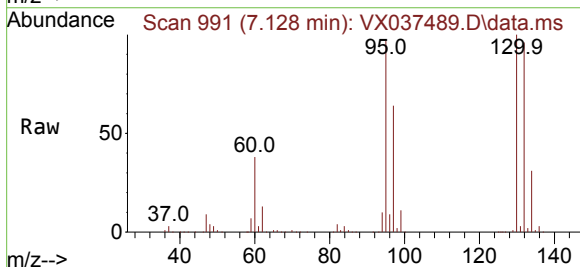
Acq: 02 Sep 2023 17:39

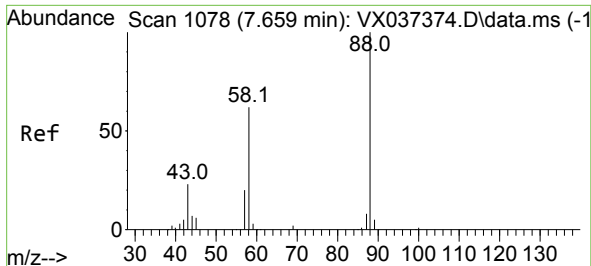
Tgt Ion:130 Resp: 2533228

Ion Ratio Lower Upper

130 100

95 96.9 0.0 204.4





#49

1,4-Dioxane

Concen: 1.175 ug/l

RT: 7.726 min Scan# 1089

Delta R.T. 0.067 min

Lab File: VX037489.D

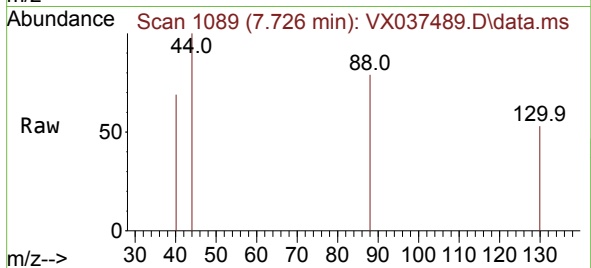
Acq: 02 Sep 2023 17:39

Instrument :

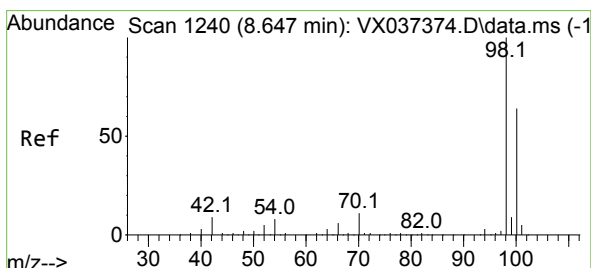
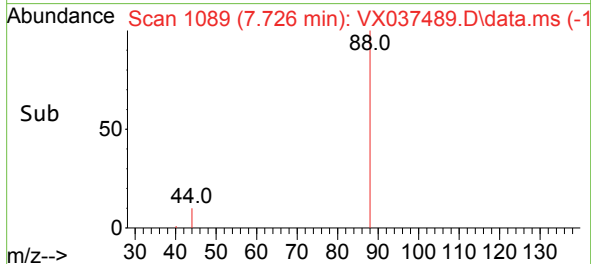
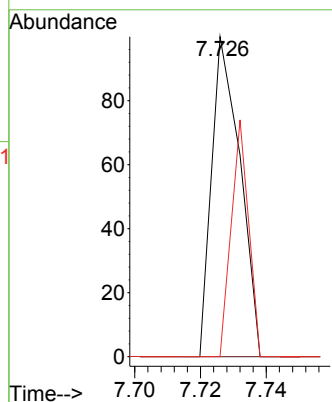
MSVOA_X

ClientSampleId :

MW-11A-13.5-083123-FD



Tgt Ion:	88	Resp:	60
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	45.0	60.1	90.1



#50

Toluene-d8

Concen: 48.396 ug/l

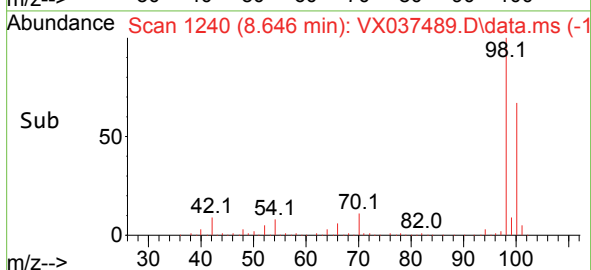
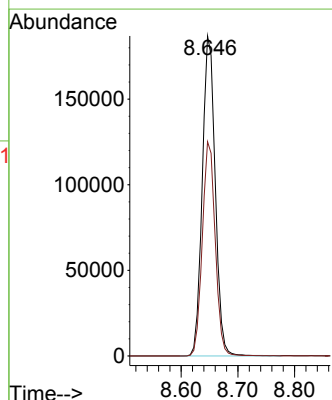
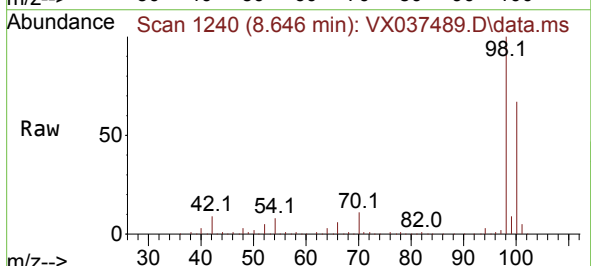
RT: 8.646 min Scan# 1240

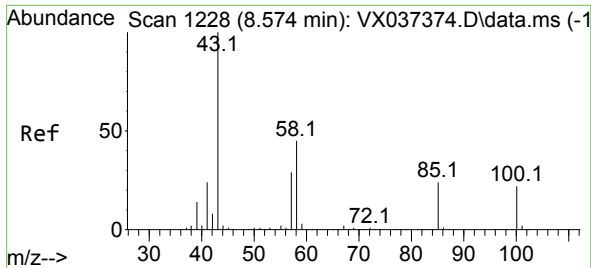
Delta R.T. -0.000 min

Lab File: VX037489.D

Acq: 02 Sep 2023 17:39

Tgt Ion:	98	Resp:	296200
Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.1	79.7

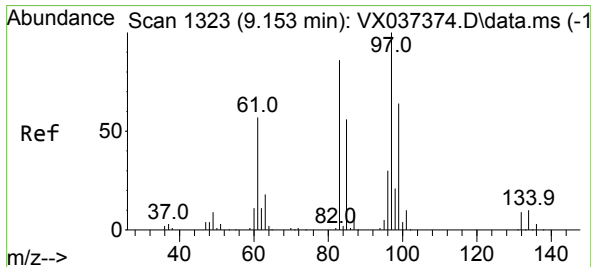
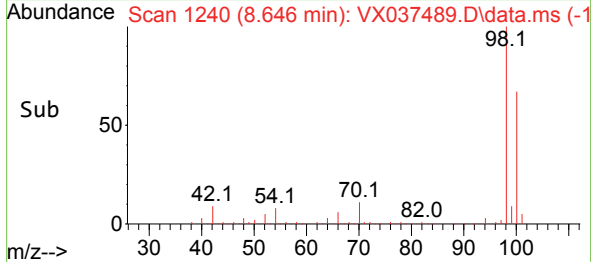
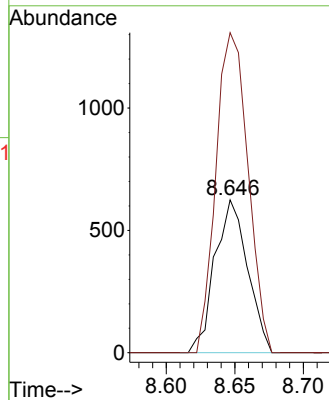
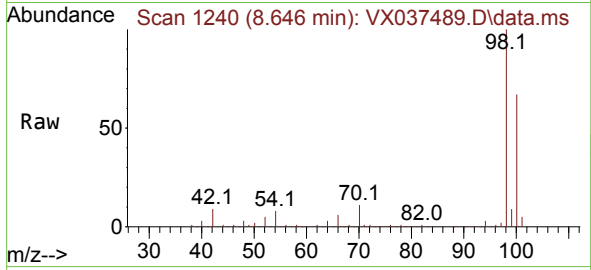




#51
4-Methyl-2-Pentanone
Concen: 0.439 ug/l
RT: 8.646 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX037489.D
Acq: 02 Sep 2023 17:39

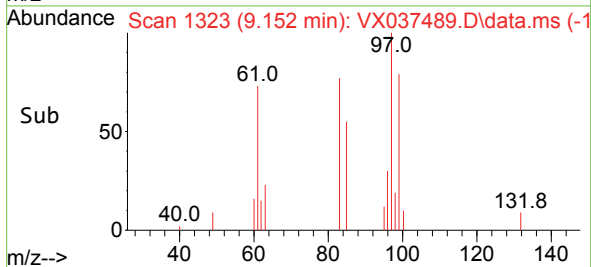
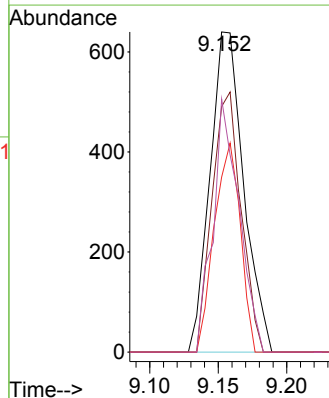
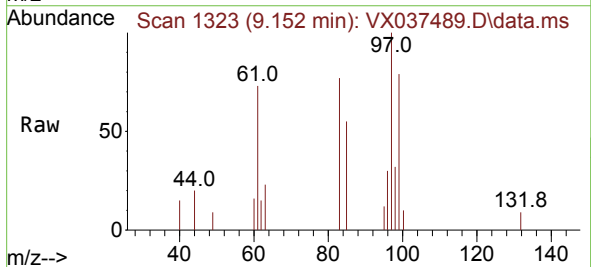
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123-FD

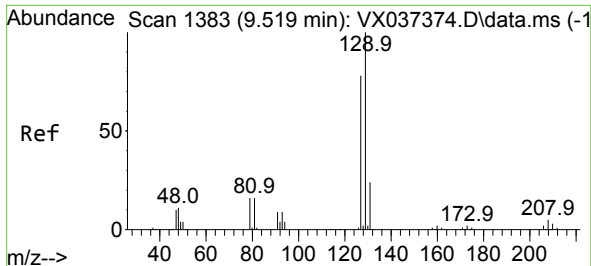
Tgt Ion: 43 Resp: 1037
Ion Ratio Lower Upper
43 100
58 205.7 30.4 45.6#



#55
1,1,2-Trichloroethane
Concen: 0.589 ug/l
RT: 9.152 min Scan# 1323
Delta R.T. -0.000 min
Lab File: VX037489.D
Acq: 02 Sep 2023 17:39

Tgt Ion: 97 Resp: 1090
Ion Ratio Lower Upper
97 100
83 76.7 65.8 98.8
85 54.7 41.6 62.4
99 79.1 47.8 71.8#

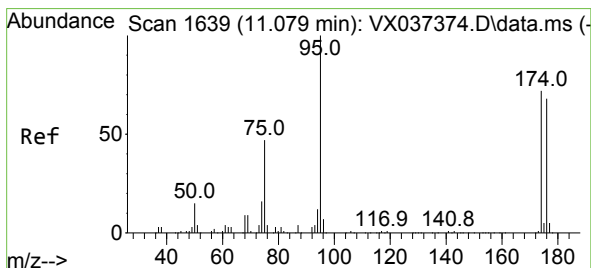
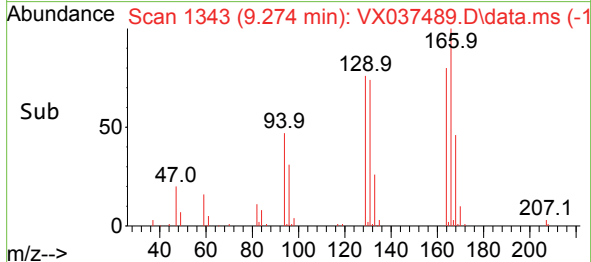
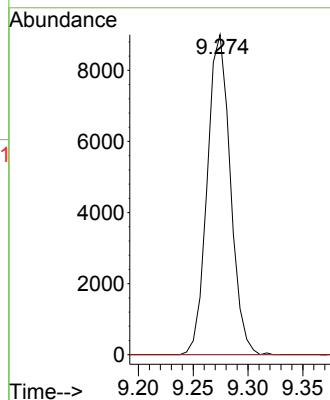
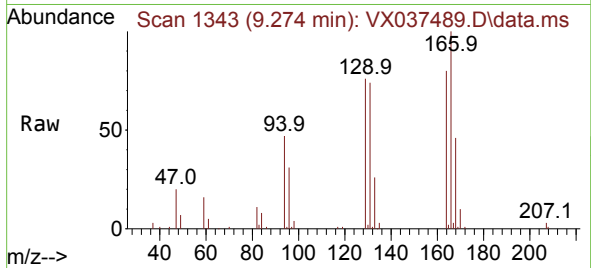




#60
Dibromochloromethane
Concen: 6.716 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037489.D
Acq: 02 Sep 2023 17:39

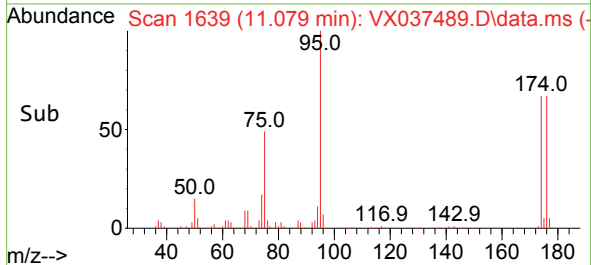
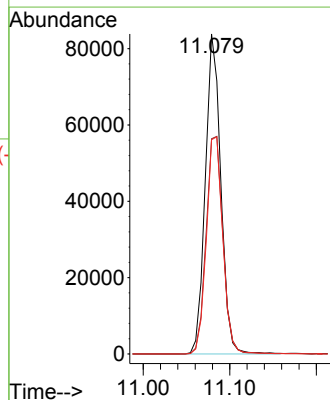
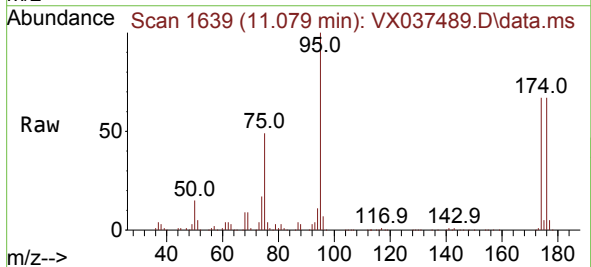
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123-FD

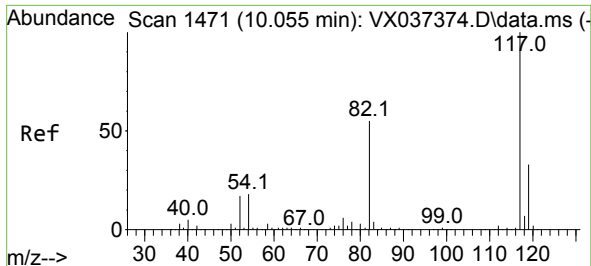
Tgt Ion:129 Resp: 13226
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 43.363 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037489.D
Acq: 02 Sep 2023 17:39

Tgt Ion: 95 Resp: 104298
Ion Ratio Lower Upper
95 100
174 74.0 0.0 135.6
176 71.9 0.0 131.0

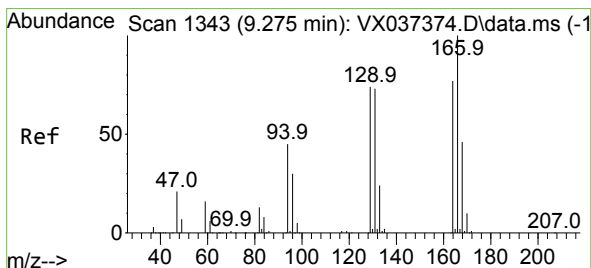
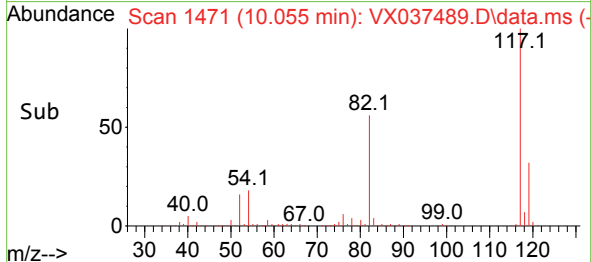
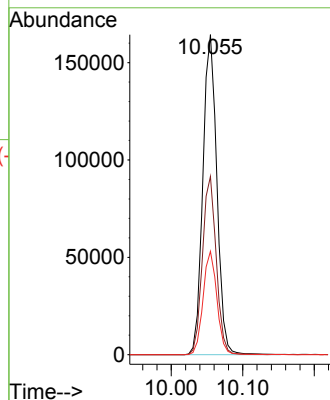
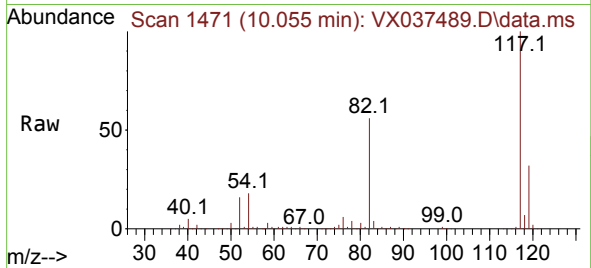




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037489.D
Acq: 02 Sep 2023 17:39

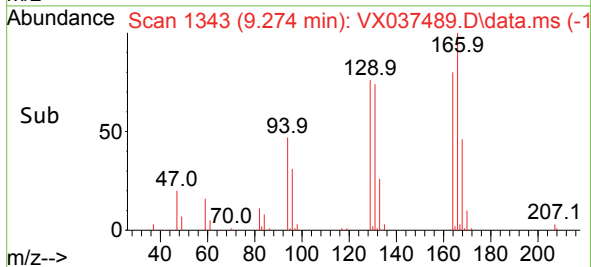
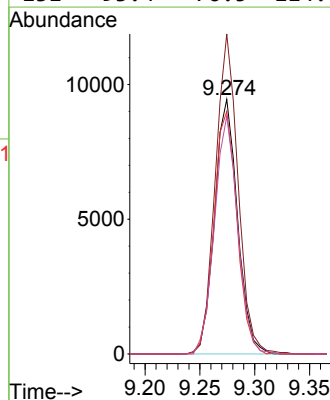
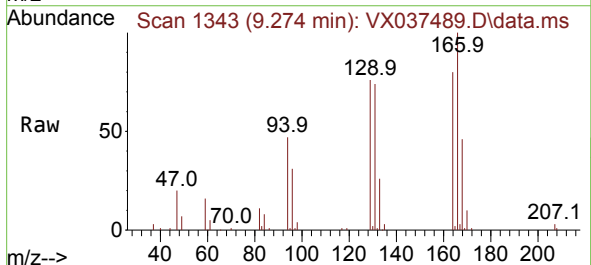
Instrument : MSVOA_X
ClientSampleId : MW-11A-13.5-083123-FD

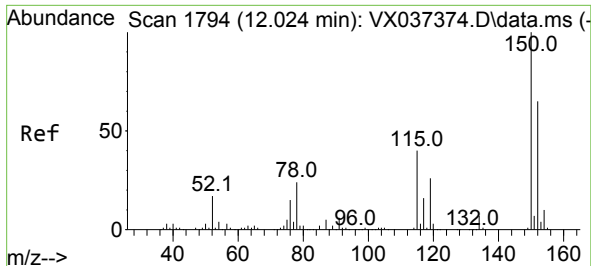
Tgt Ion:117 Resp: 223457
Ion Ratio Lower Upper
117 100
82 55.7 46.2 69.4
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 8.466 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX037489.D
Acq: 02 Sep 2023 17:39

Tgt Ion:164 Resp: 13801
Ion Ratio Lower Upper
164 100
166 125.7 102.7 154.1
129 95.3 80.4 120.6
131 93.4 76.5 114.7

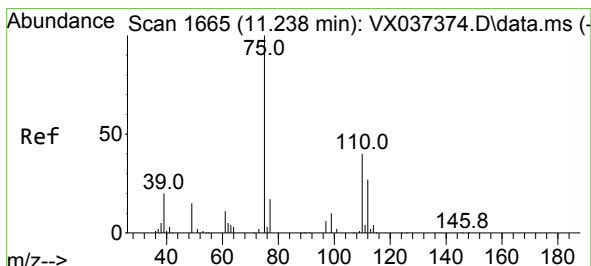
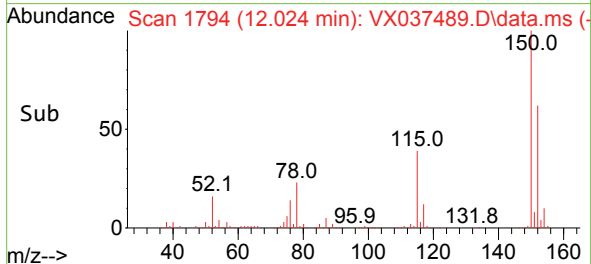
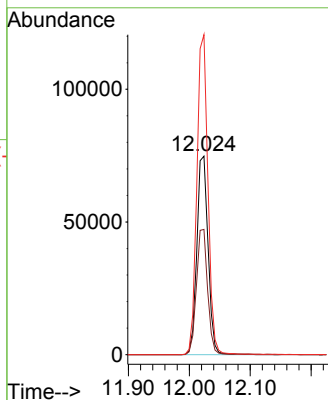
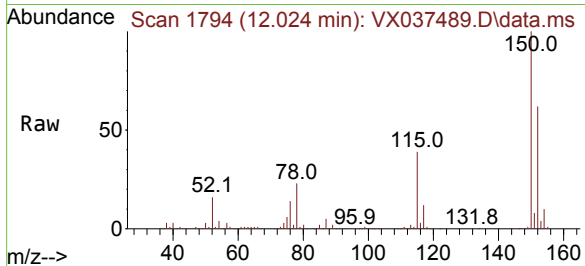




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037489.D
Acq: 02 Sep 2023 17:39

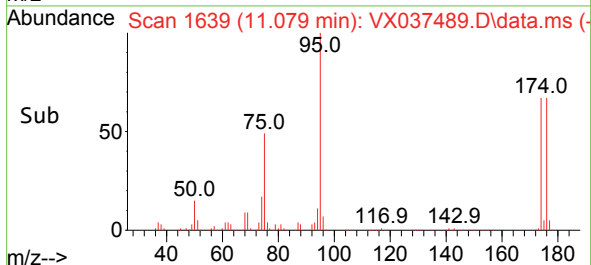
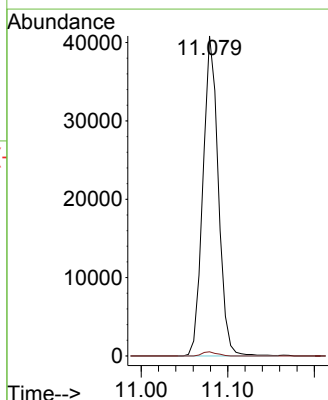
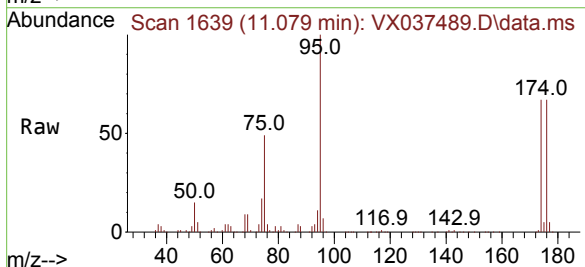
Instrument :
MSVOA_X
ClientSampleId :
MW-11A-13.5-083123-FD

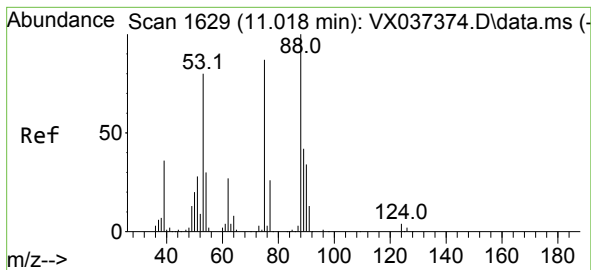
Tgt Ion:152 Resp: 95797
Ion Ratio Lower Upper
152 100
115 62.7 43.3 129.9
150 158.1 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 24.693 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037489.D
Acq: 02 Sep 2023 17:39

Tgt Ion: 75 Resp: 50378
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.969 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037489.D
 Acq: 02 Sep 2023 17:39

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-11A-13.5-083123-FD

Tgt Ion: 75 Resp: 50378
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

