

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022223\
 Data File : VX034227.D
 Acq On : 22 Feb 2023 14:36
 Operator : JC/MD
 Sample : 01633-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WEIR-TANK-MUD

Quant Time: Feb 23 01:29:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

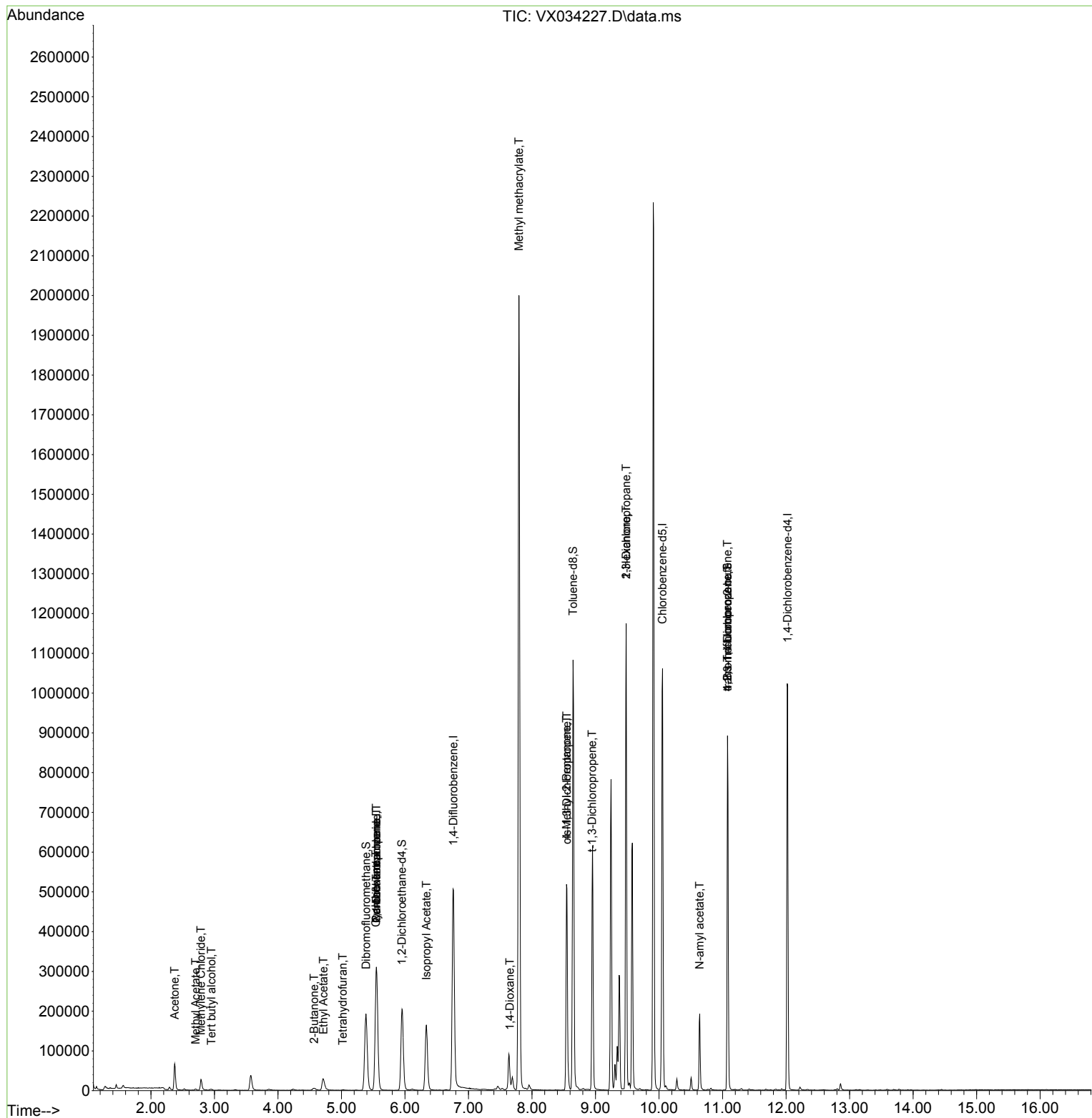
Internal Standards						
1) Pentafluorobenzene	5.550	168	317452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	530665	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	488485	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	223517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	189235	44.262	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	88.520%
35) Dibromofluoromethane	5.385	113	167832	48.575	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.140%
50) Toluene-d8	8.647	98	638819	51.496	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	103.000%
62) 4-Bromofluorobenzene	11.079	95	229488	48.364	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.720%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	444	Below Cal	#	67
11) Tert butyl alcohol	2.953	59	2484	2.598	ug/l #	74
16) Acetone	2.373	43	69828	31.662	ug/l	91
18) Methyl Acetate	2.703	43	3763	0.551	ug/l	100
20) Methylene Chloride	2.788	84	12230	3.078	ug/l	96
25) 2-Butanone	4.568	43	8714	2.731	ug/l	91
29) Tetrahydrofuran	5.019	42	947	0.486	ug/l #	51
31) Cyclohexane	5.544	56	6457	1.012	ug/l #	8
36) 1,1-Dichloropropene	5.550	75	23264	4.553	ug/l #	48
37) Ethyl Acetate	4.715	43	53185	9.313	ug/l	99
38) Carbon Tetrachloride	5.550	117	29361	5.584	ug/l #	14
43) Isopropyl Acetate	6.336	43	235196	23.339	ug/l	99
48) Methyl methacrylate	7.793	41	160373	33.529	ug/l #	45
49) 1,4-Dioxane	7.653	88	45	0.472	ug/l #	1
51) 4-Methyl-2-Pentanone	8.543	43	188324	33.966	ug/l #	50
53) t-1,3-Dichloropropene	8.945	75	1312	0.209	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	87045	12.974	ug/l #	57
57) 1,3-Dichloropropane	9.482	76	9998	1.552	ug/l #	43
59) 2-Hexanone	9.482	43	136255	32.246	ug/l #	51
74) N-amyl acetate	10.640	43	53353	6.234	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	113067	20.103	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	113067	51.643	ug/l #	8

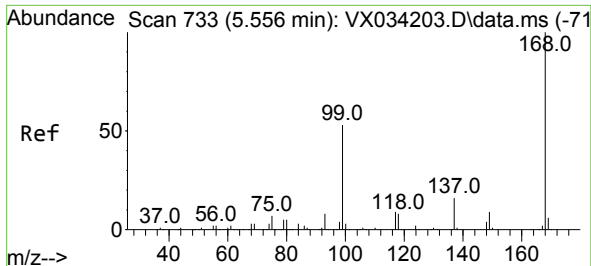
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :
WEIR-TANK-MUD

Quant Time: Feb 23 01:29:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
Response via : Initial Calibration

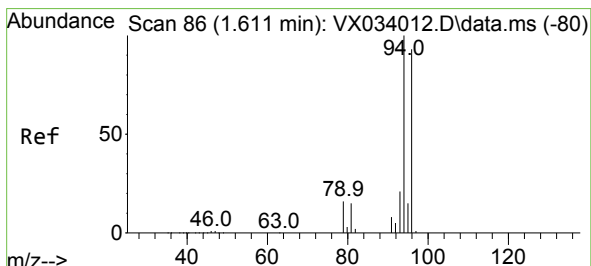
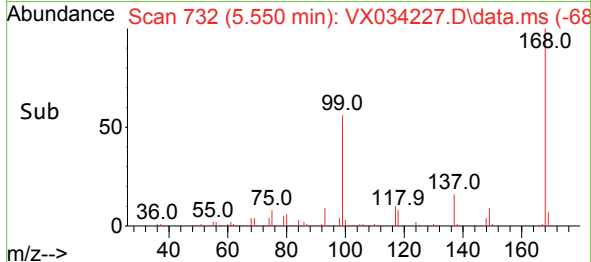
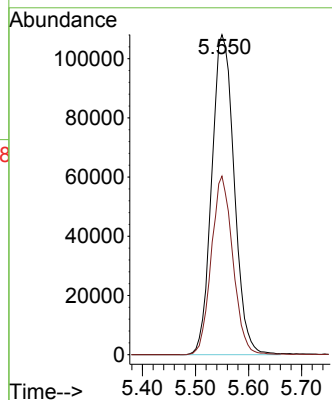
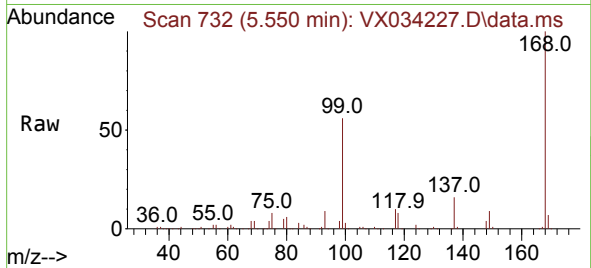




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

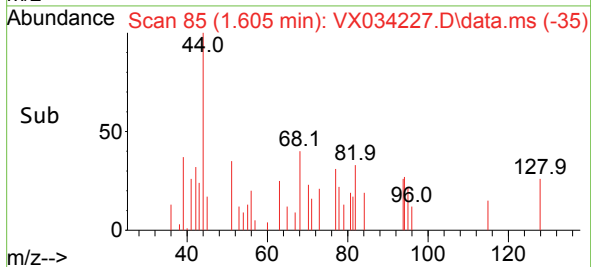
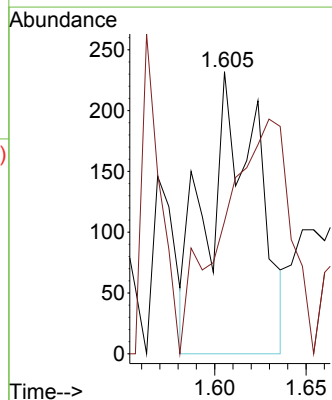
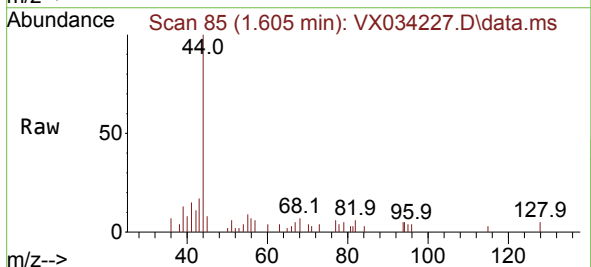
Instrument :
MSVOA_X
ClientSampleId :
WEIR-TANK-MUD

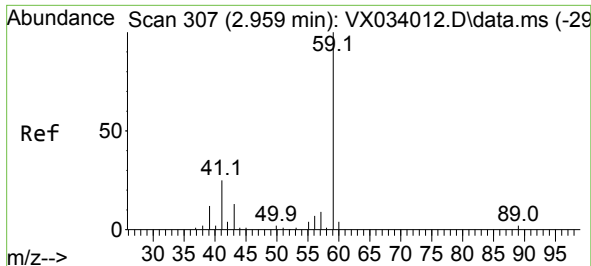
Tgt Ion:168 Resp: 317452
Ion Ratio Lower Upper
168 100
99 55.8 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

Tgt Ion: 94 Resp: 444
Ion Ratio Lower Upper
94 100
96 61.2 74.3 111.5#

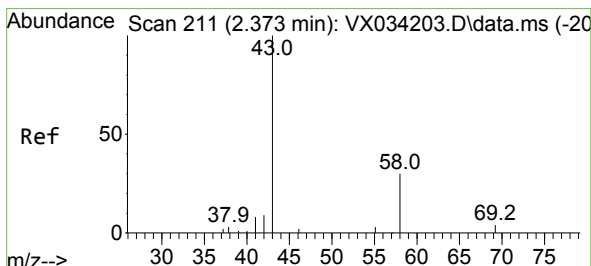
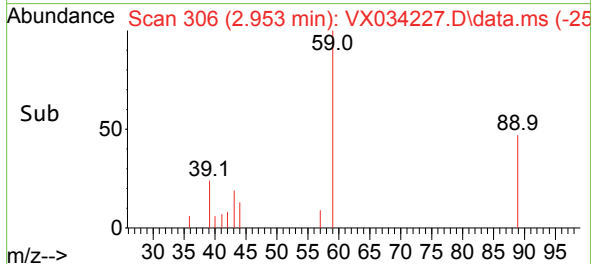
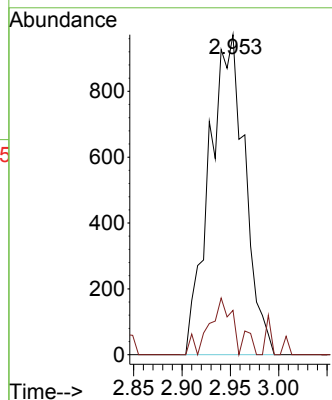
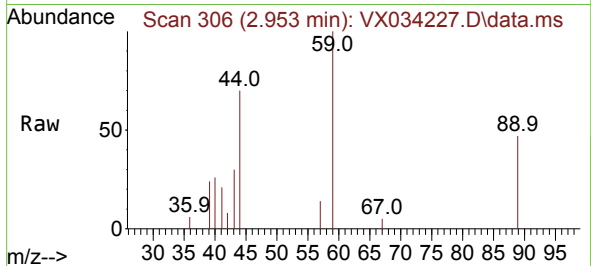




#11
Tert butyl alcohol
Concen: 2.598 ug/l
RT: 2.953 min Scan# 307
Delta R.T. 0.000 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

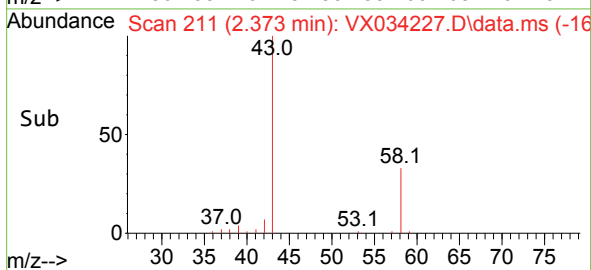
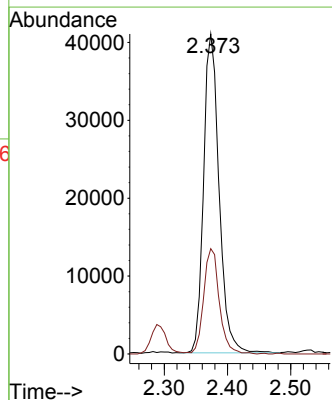
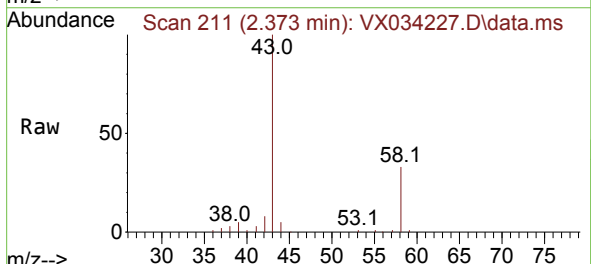
Instrument :
MSVOA_X
ClientSampleId :
WEIR-TANK-MUD

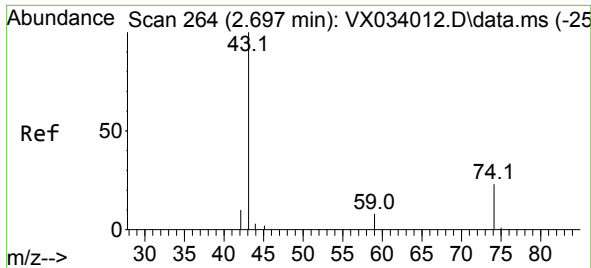
Tgt Ion: 59 Resp: 2484
Ion Ratio Lower Upper
59 100
57 13.0 3.7 5.5#



#16
Acetone
Concen: 31.662 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

Tgt Ion: 43 Resp: 69828
Ion Ratio Lower Upper
43 100
58 32.8 22.6 33.8

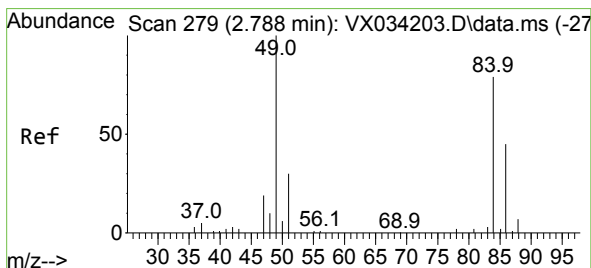
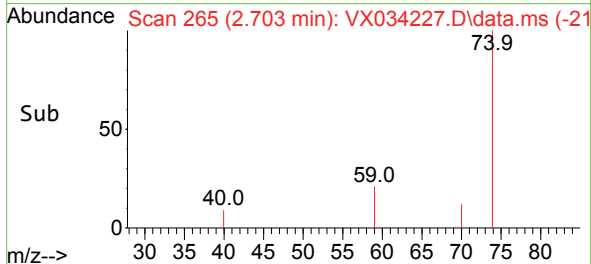
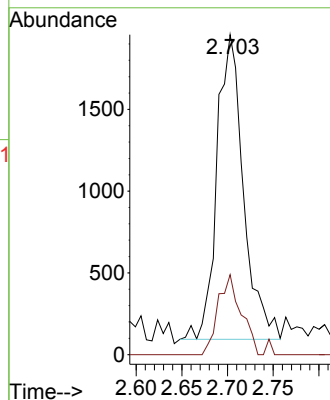
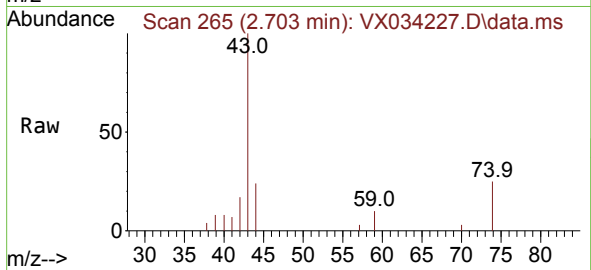




#18
Methyl Acetate
Concen: 0.551 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.006 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

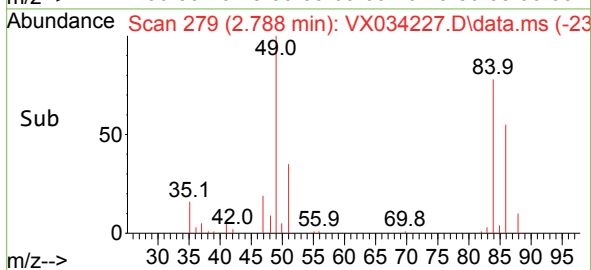
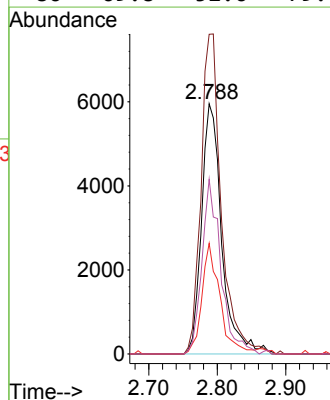
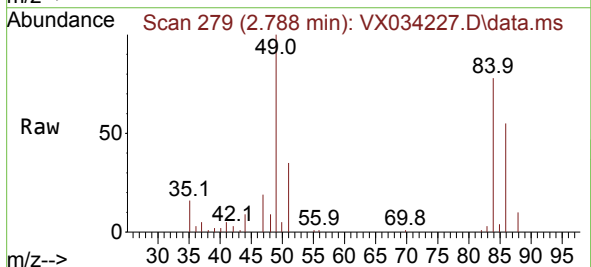
Instrument :
MSVOA_X
ClientSampleId :
WEIR-TANK-MUD

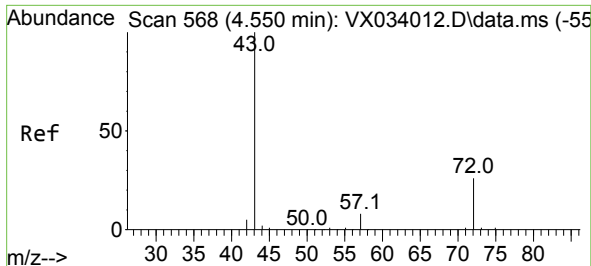
Tgt Ion: 43 Resp: 3763
Ion Ratio Lower Upper
43 100
74 22.7 18.2 27.4



#20
Methylene Chloride
Concen: 3.078 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

Tgt Ion: 84 Resp: 12230
Ion Ratio Lower Upper
84 100
49 127.7 101.1 151.7
51 44.2 31.0 46.6
86 69.8 52.6 79.0

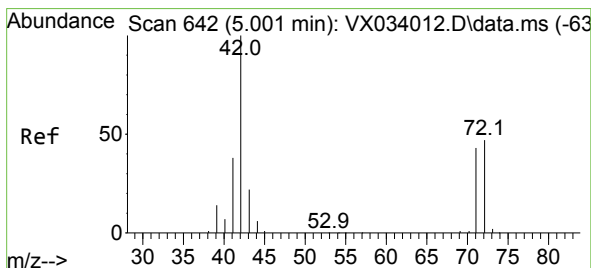
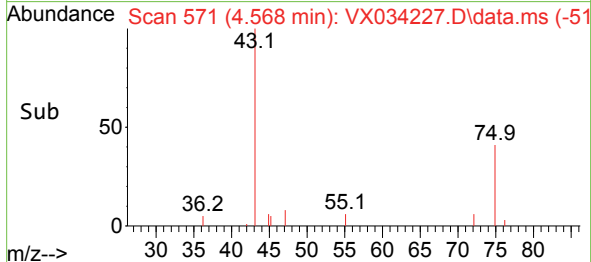
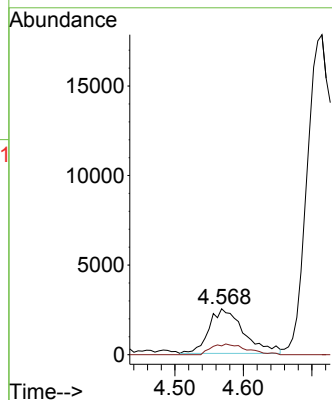
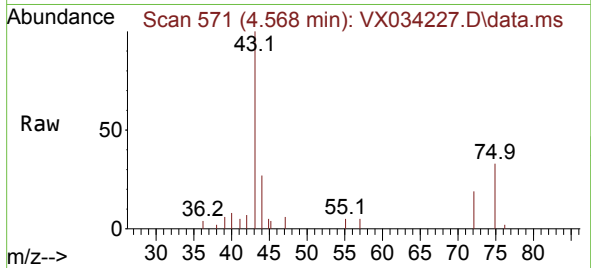




#25
2-Butanone
Concen: 2.731 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

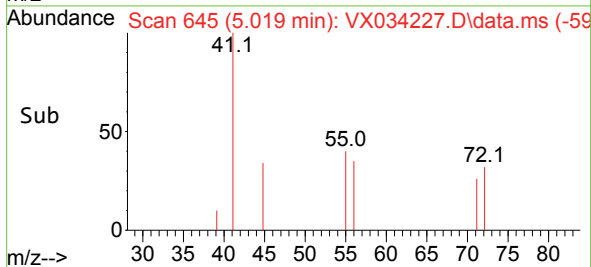
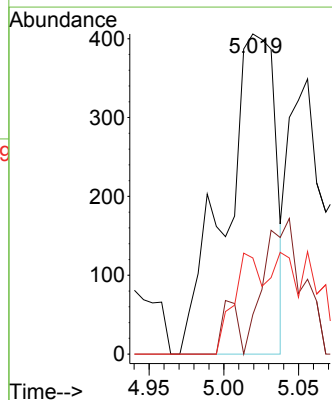
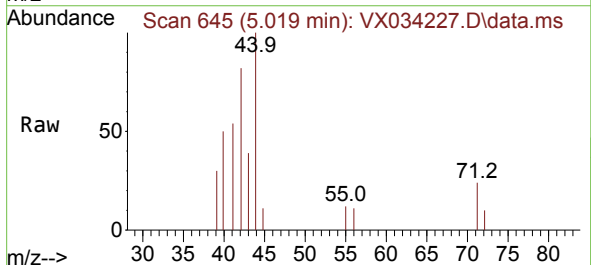
Instrument :
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WEIR-TANK-MUD

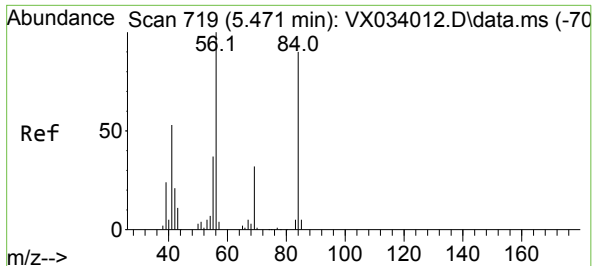
Tgt Ion: 43 Resp: 8714
Ion Ratio Lower Upper
43 100
72 19.8 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.486 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.025 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

Tgt Ion: 42 Resp: 947
Ion Ratio Lower Upper
42 100
72 5.1 34.8 52.2#
71 17.4 32.2 48.2#

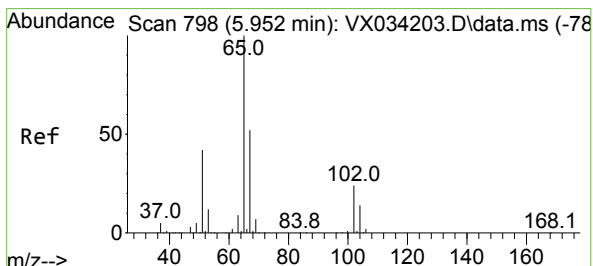
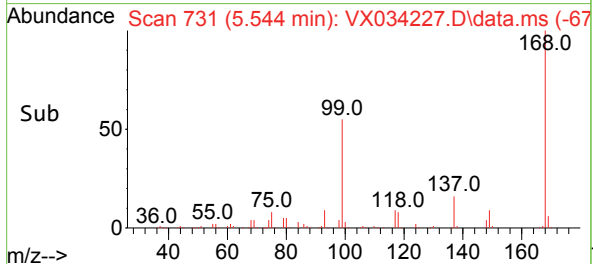
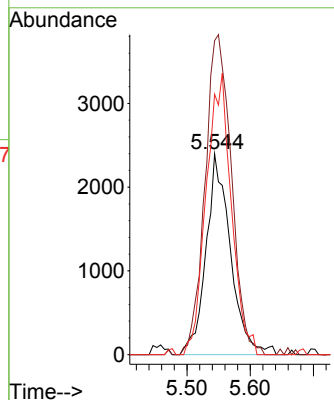
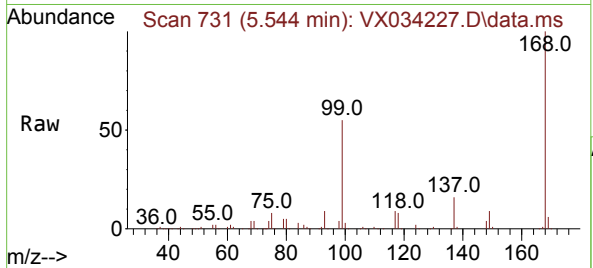




#31
Cyclohexane
Concen: 1.012 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

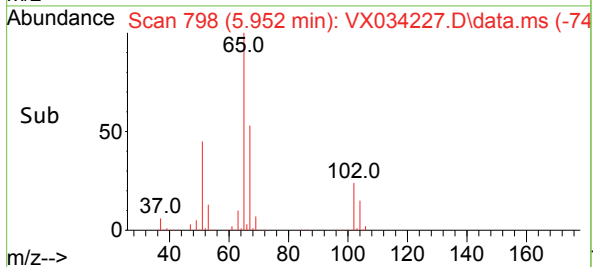
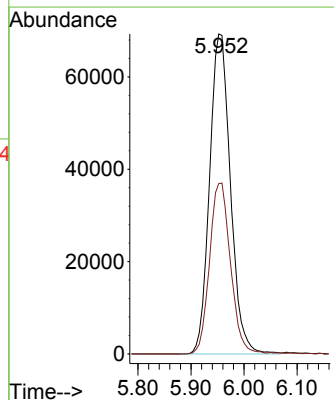
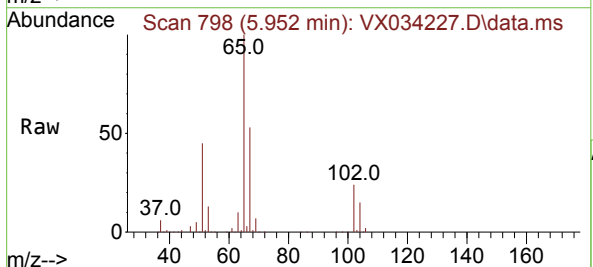
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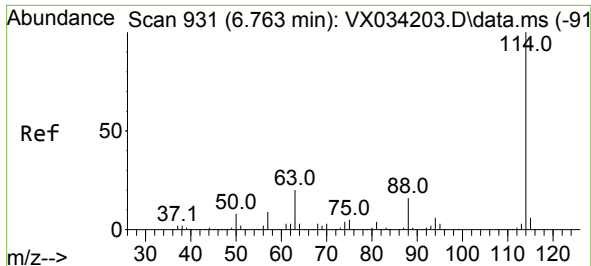
Tgt Ion: 56 Resp: 6457
Ion Ratio Lower Upper
56 100
69 156.4 24.6 37.0#
84 129.7 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 44.262 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

Tgt Ion: 65 Resp: 189235
Ion Ratio Lower Upper
65 100
67 53.5 0.0 104.8

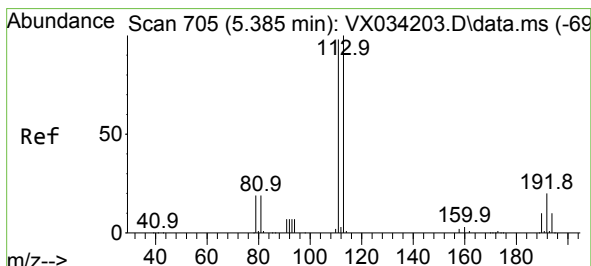
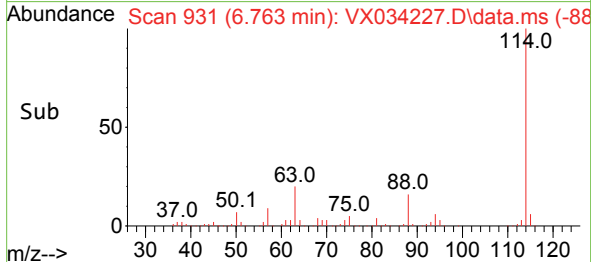
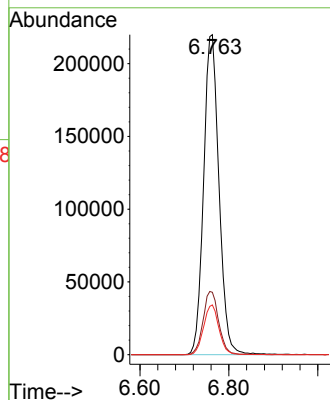
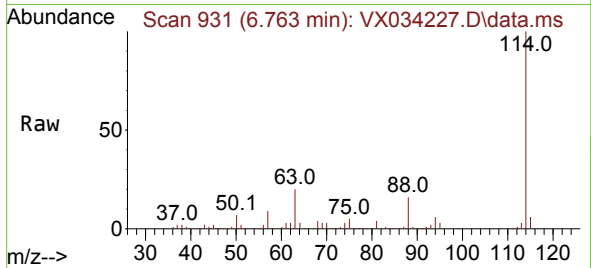




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

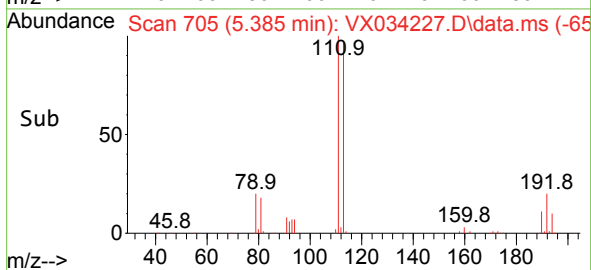
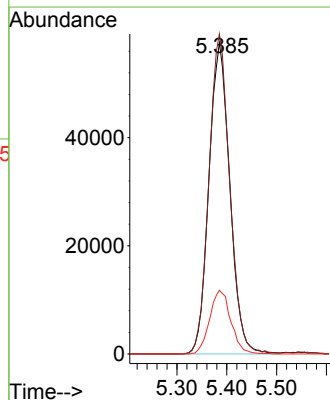
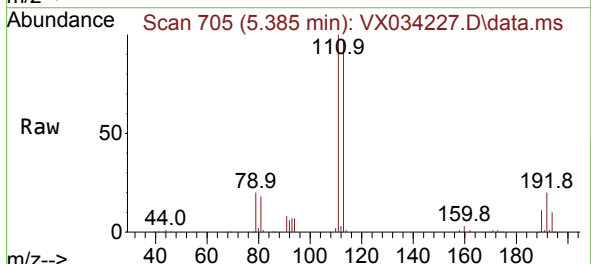
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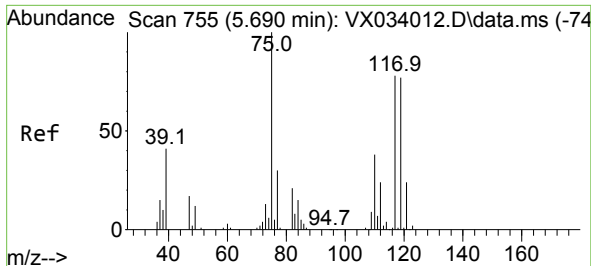
Tgt Ion:114 Resp: 530665
Ion Ratio Lower Upper
114 100
63 19.5 0.0 37.4
88 15.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.575 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

Tgt Ion:113 Resp: 167832
Ion Ratio Lower Upper
113 100
111 102.0 83.0 124.6
192 20.7 19.0 28.4

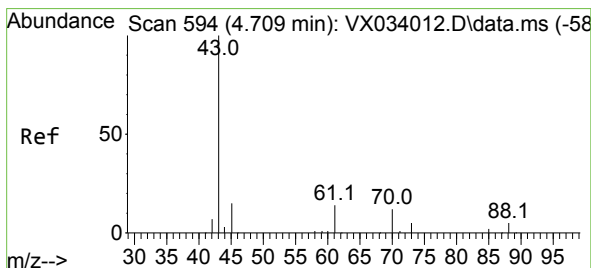
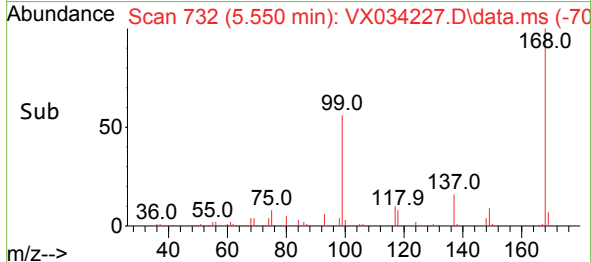
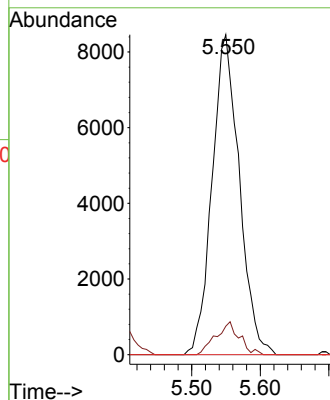
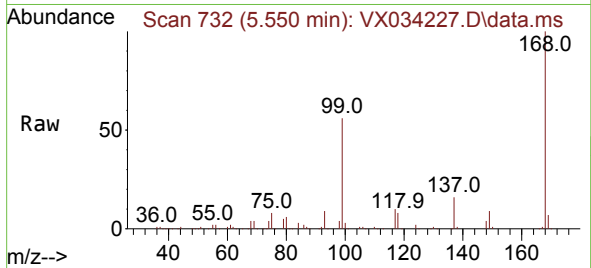




#36
1,1-Dichloropropene
Concen: 4.553 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

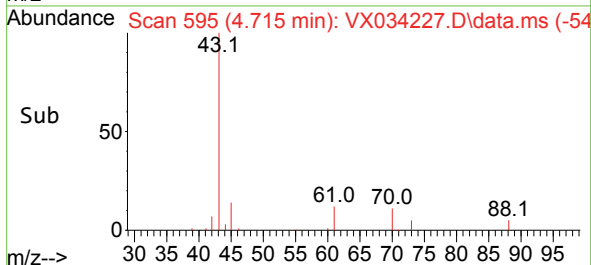
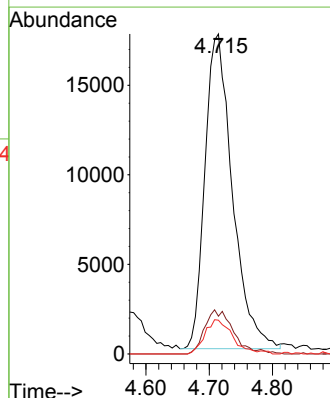
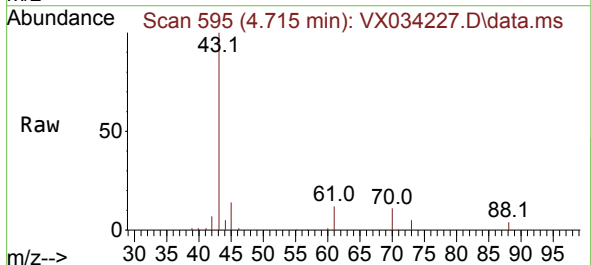
Instrument :
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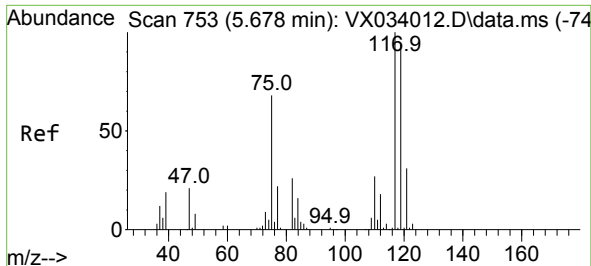
Tgt Ion: 75 Resp: 23264
Ion Ratio Lower Upper
75 100
110 8.9 18.8 56.4#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 9.313 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.006 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

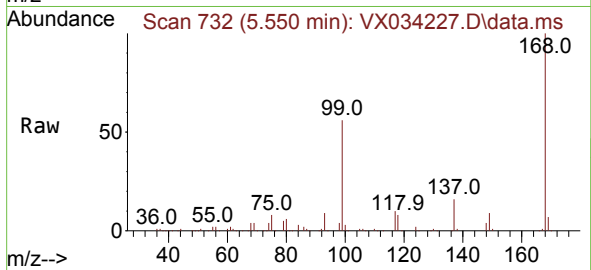
Tgt Ion: 43 Resp: 53185
Ion Ratio Lower Upper
43 100
61 14.7 11.1 16.7
70 10.7 8.5 12.7



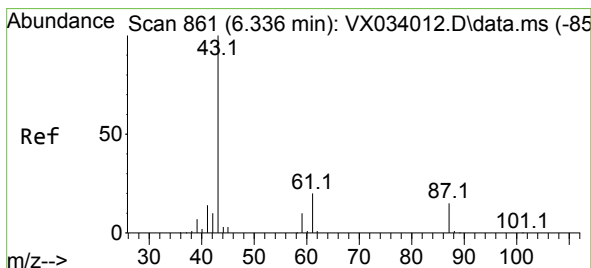
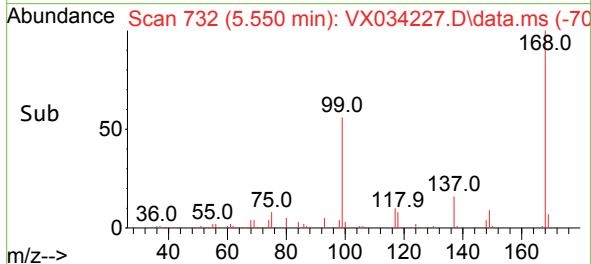
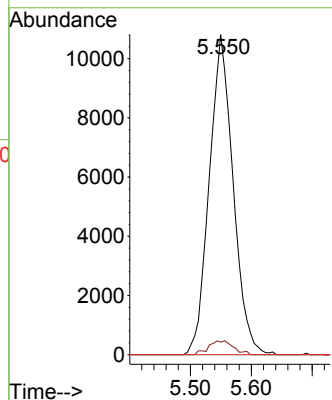


#38
Carbon Tetrachloride
Concen: 5.584 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

Instrument :
MSVOA_X
ClientSampleId :
WEIR-TANK-MUD

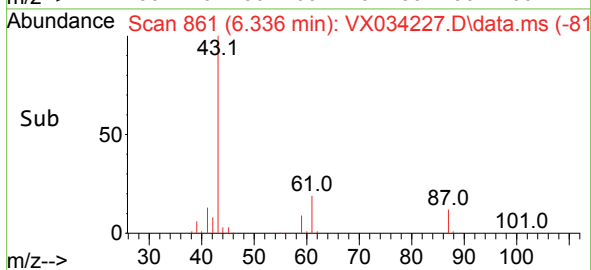
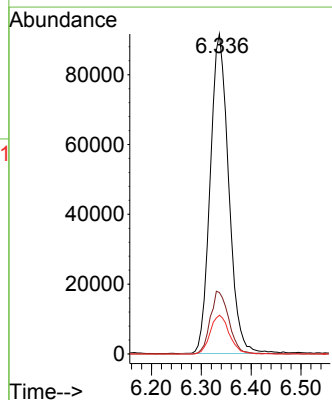
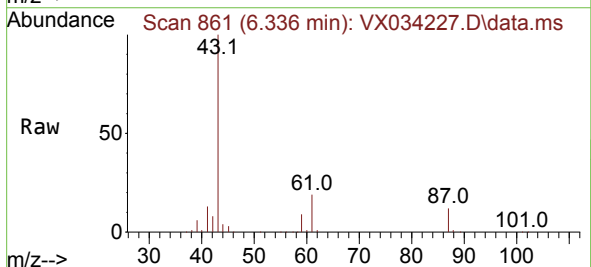


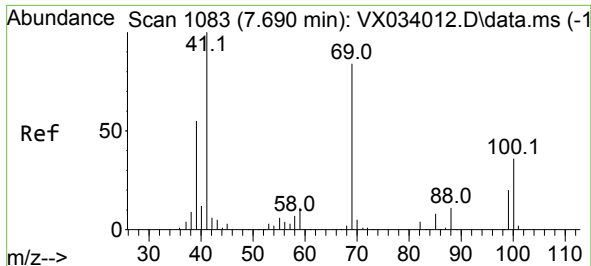
Tgt Ion:117 Resp: 29361
Ion Ratio Lower Upper
117 100
119 3.9 78.0 117.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 23.339 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

Tgt Ion: 43 Resp: 235196
Ion Ratio Lower Upper
43 100
61 19.8 15.7 23.5
87 12.5 10.6 15.8





#48

Methyl methacrylate

Concen: 33.529 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX034227.D

Acq: 22 Feb 2023 14:36

Instrument :

MSVOA_X

ClientSampleId :

WEIR-TANK-MUD

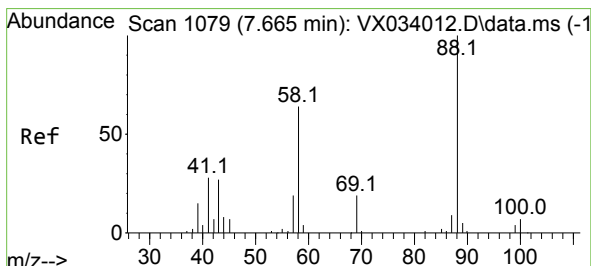
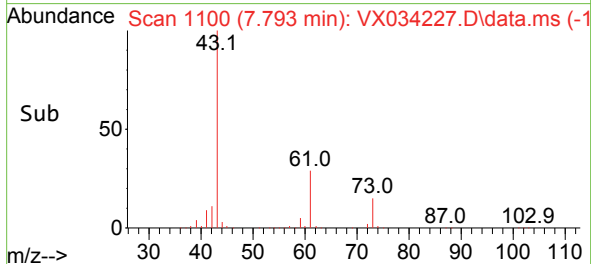
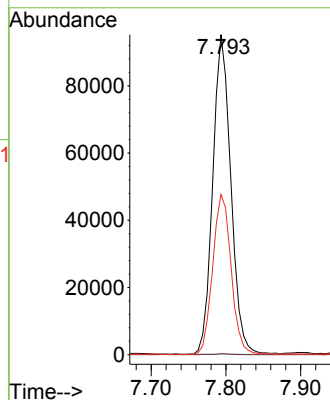
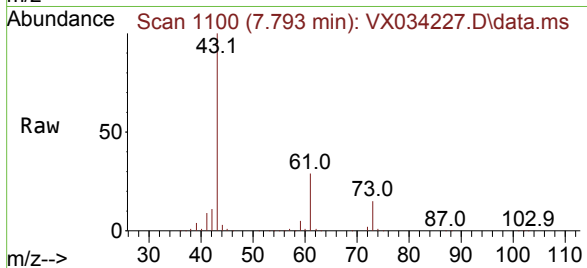
Tgt Ion: 41 Resp: 160373

Ion Ratio Lower Upper

41 100

69 0.3 63.1 94.7#

39 51.1 43.2 64.8



#49

1,4-Dioxane

Concen: 0.472 ug/l

RT: 7.653 min Scan# 1077

Delta R.T. 0.000 min

Lab File: VX034227.D

Acq: 22 Feb 2023 14:36

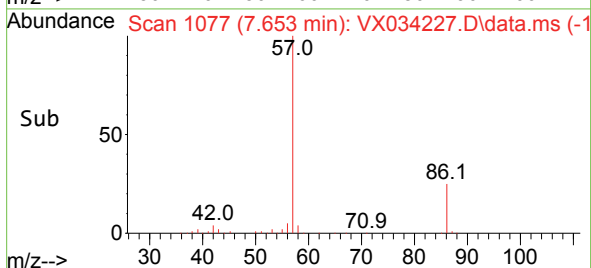
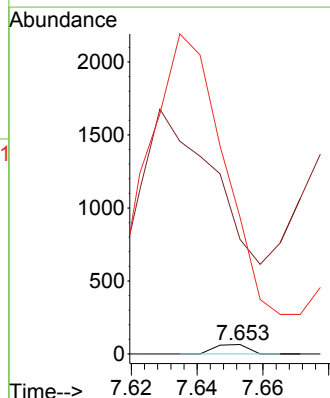
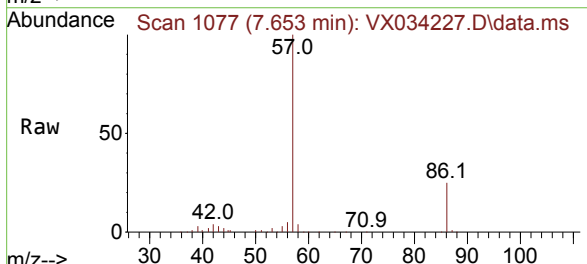
Tgt Ion: 88 Resp: 45

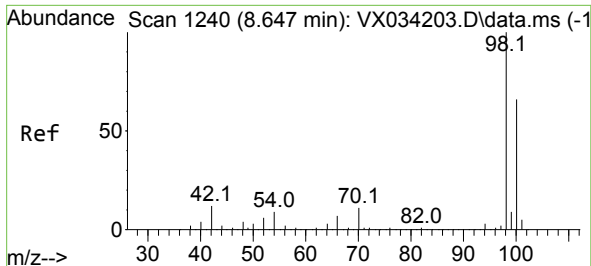
Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 8811.1 56.5 84.7#

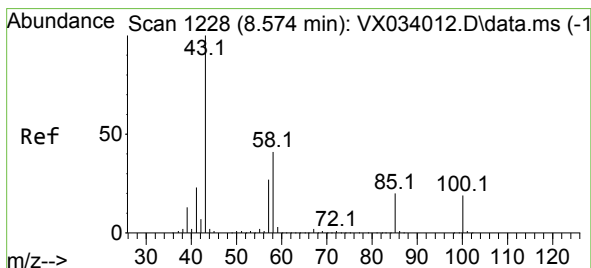
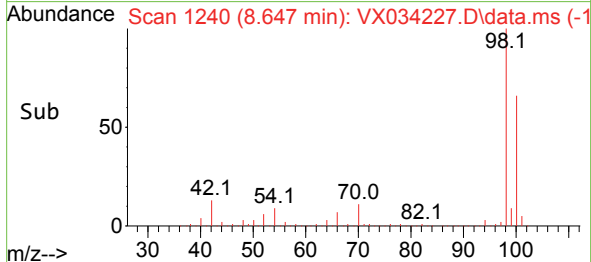
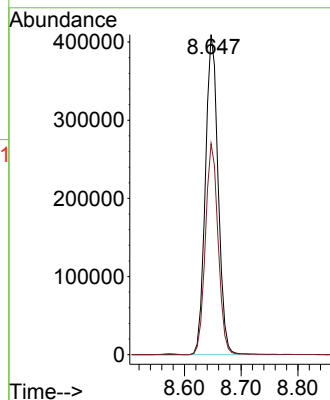
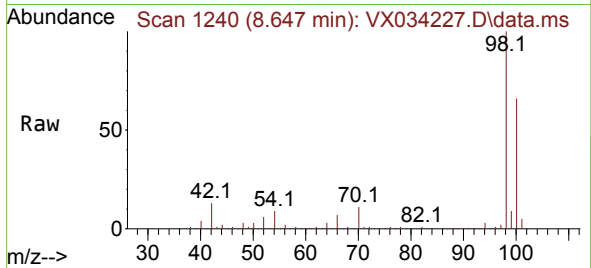




#50
Toluene-d8
Concen: 51.496 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

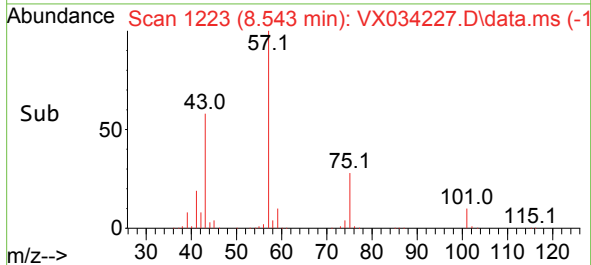
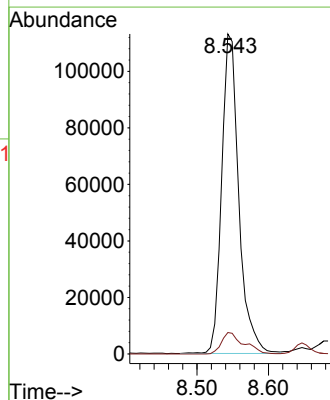
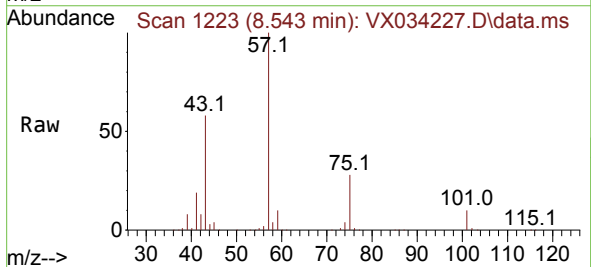
Instrument :
MSVOA_X
ClientSampleId :
WEIR-TANK-MUD

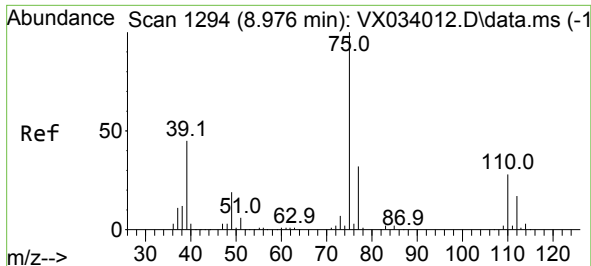
Tgt Ion: 98 Resp: 638819
Ion Ratio Lower Upper
98 100
100 65.9 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 33.966 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.024 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

Tgt Ion: 43 Resp: 188324
Ion Ratio Lower Upper
43 100
58 8.7 31.2 46.8#

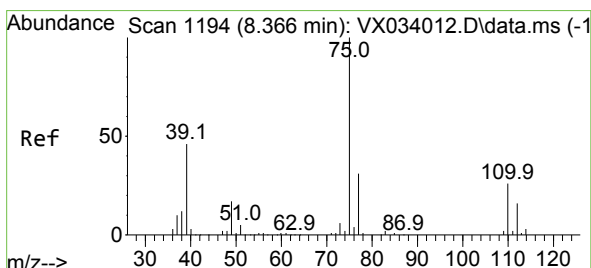
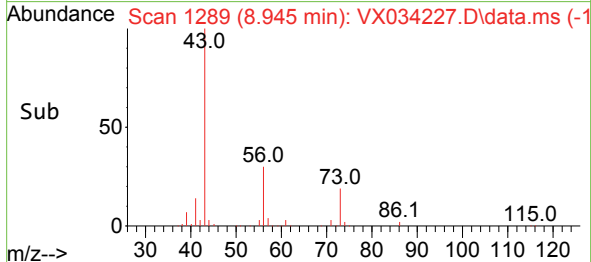
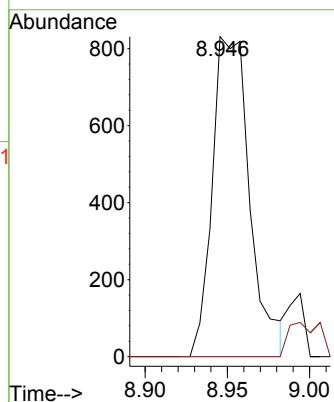
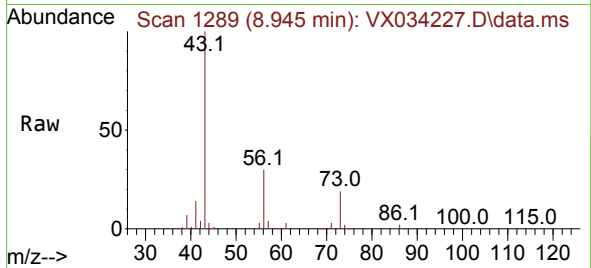




#53
 t-1,3-Dichloropropene
 Concen: 0.209 ug/l
 RT: 8.945 min Scan# 1124
 Delta R.T. -0.030 min
 Lab File: VX034227.D
 Acq: 22 Feb 2023 14:36

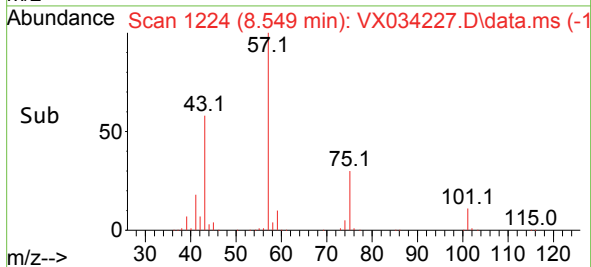
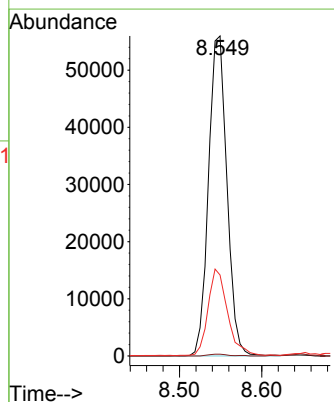
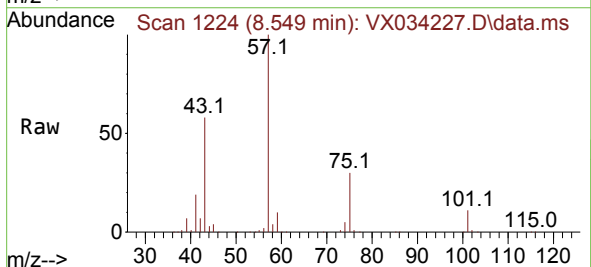
Instrument :
 MSVOA_X
 ClientSampleId :
 WEIR-TANK-MUD

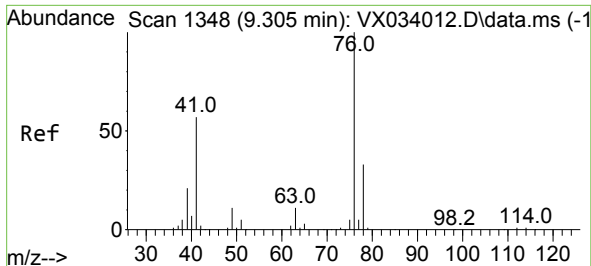
Tgt Ion: 75 Resp: 1312
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#



#54
 cis-1,3-Dichloropropene
 Concen: 12.974 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX034227.D
 Acq: 22 Feb 2023 14:36

Tgt Ion: 75 Resp: 87045
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.6#
 39 25.1 38.6 58.0#





#57

1,3-Dichloropropane

Concen: 1.552 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX034227.D

Acq: 22 Feb 2023 14:36

Instrument :

MSVOA_X

ClientSampleId :

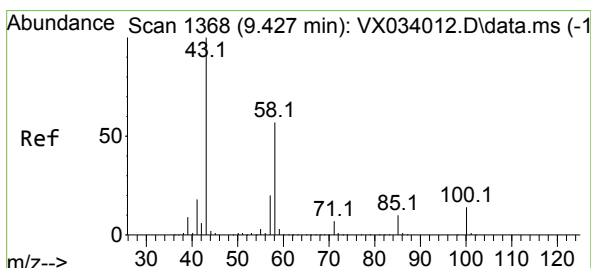
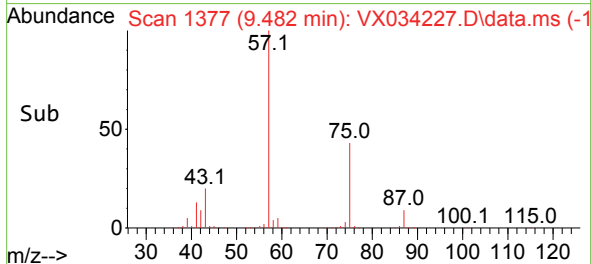
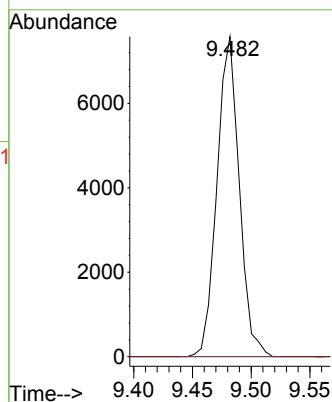
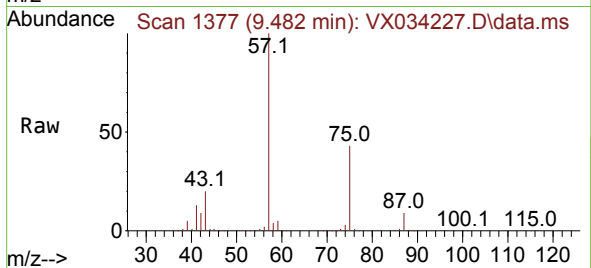
WEIR-TANK-MUD

Tgt Ion: 76 Resp: 9998

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 32.246 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.055 min

Lab File: VX034227.D

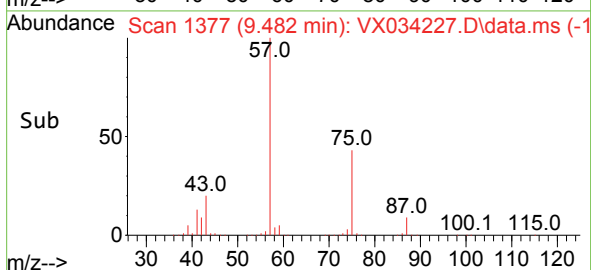
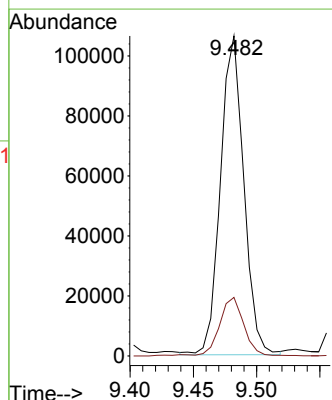
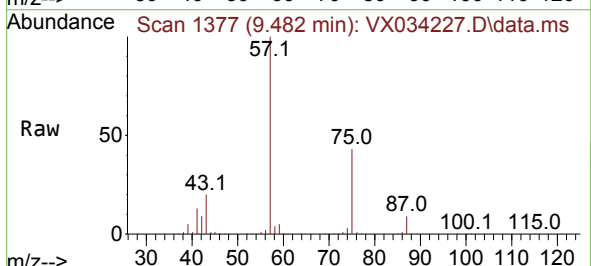
Acq: 22 Feb 2023 14:36

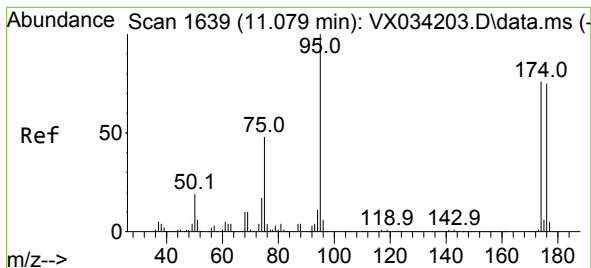
Tgt Ion: 43 Resp: 136255

Ion Ratio Lower Upper

43 100

58 19.5 27.4 82.0#

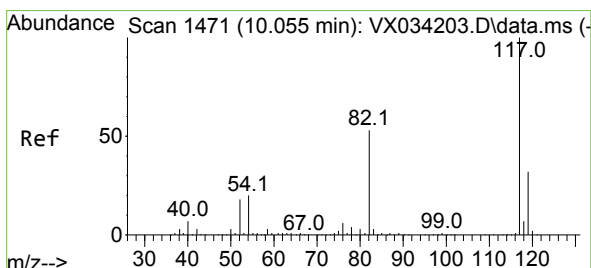
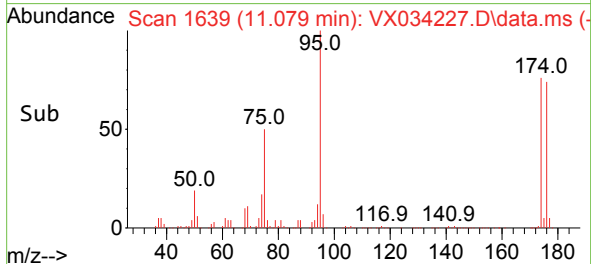
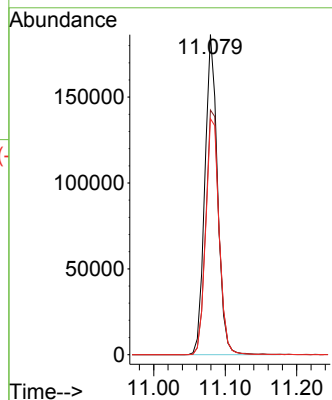
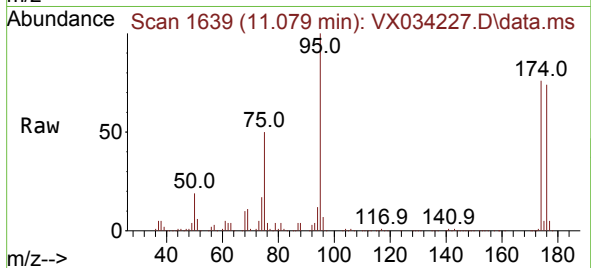




#62
4-Bromofluorobenzene
Concen: 48.364 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

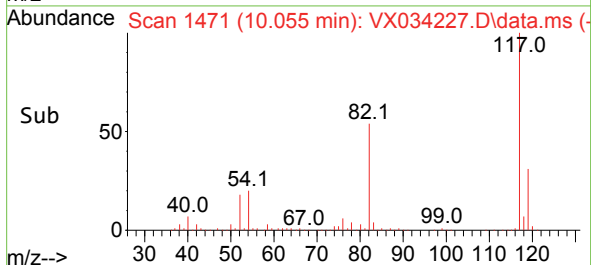
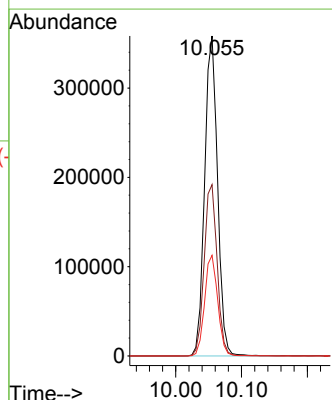
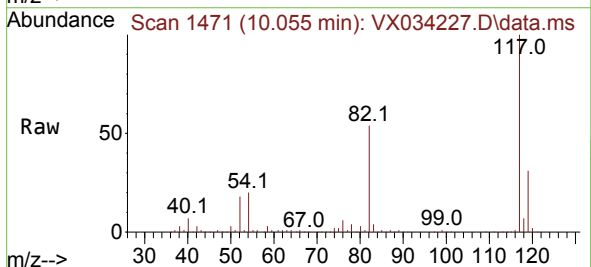
Instrument :
MSVOA_X
ClientSampleId :
WEIR-TANK-MUD

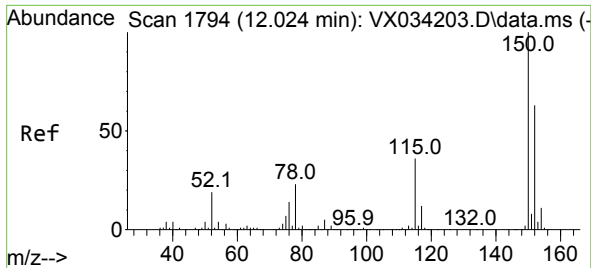
Tgt Ion: 95 Resp: 229488
Ion Ratio Lower Upper
95 100
174 80.4 0.0 184.4
176 78.1 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

Tgt Ion: 117 Resp: 488485
Ion Ratio Lower Upper
117 100
82 53.5 40.6 60.8
119 31.5 25.6 38.4

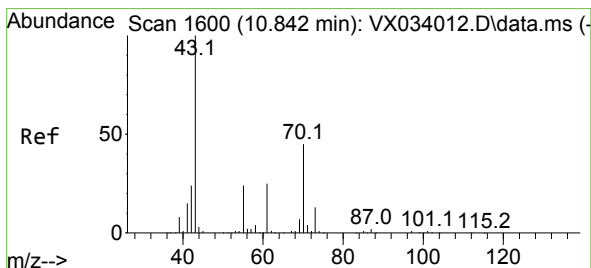
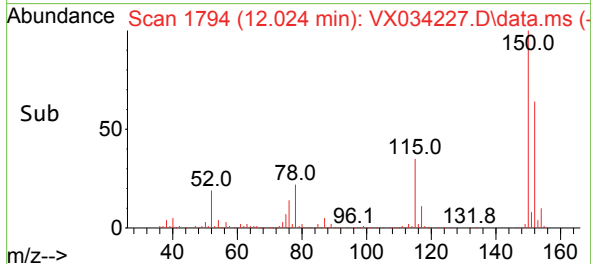
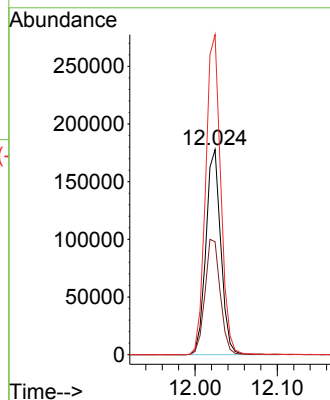
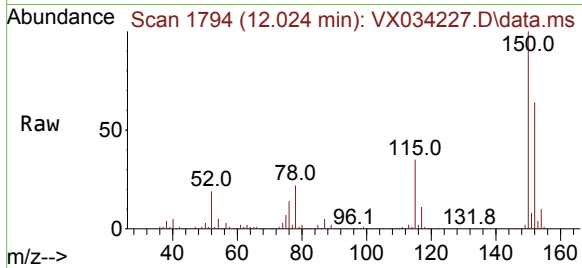




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

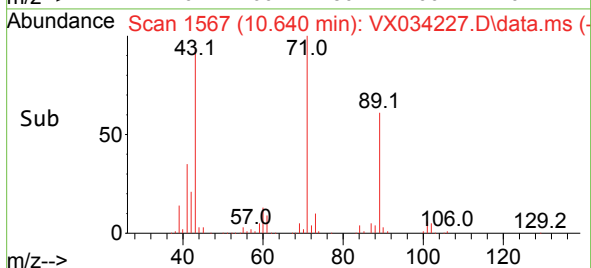
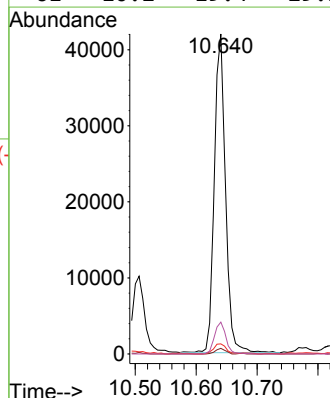
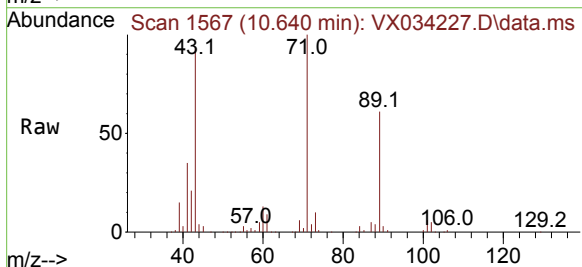
Instrument :
MSVOA_X
ClientSampleId :
WEIR-TANK-MUD

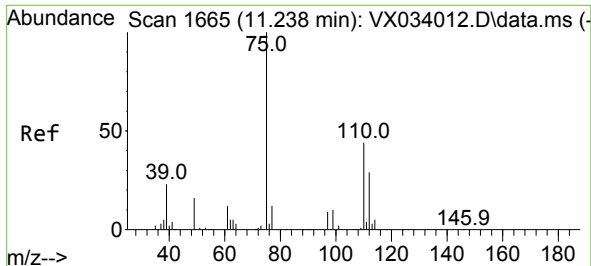
Tgt Ion:152 Resp: 223517
Ion Ratio Lower Upper
152 100
115 57.8 38.7 116.1
150 157.8 0.0 348.2



#74
N-ethyl acetate
Concen: 6.234 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

Tgt Ion: 43 Resp: 53353
Ion Ratio Lower Upper
43 100
70 1.6 34.8 52.2#
55 3.7 19.4 29.0#
61 10.2 19.4 29.2#

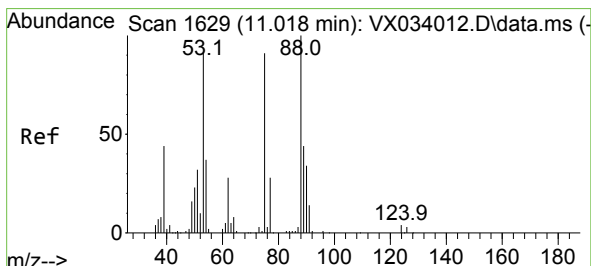
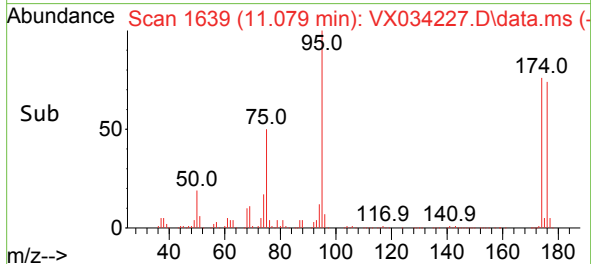
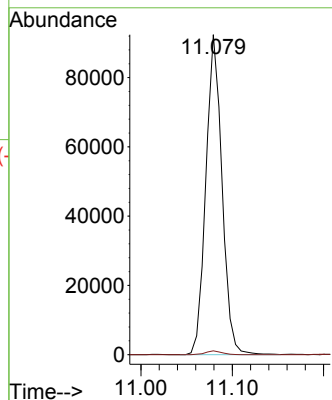
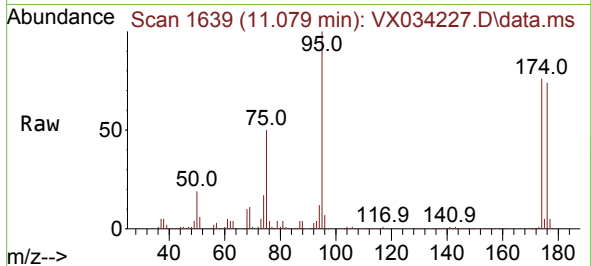




#76
1,2,3-Trichloropropane
Concen: 20.103 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

Instrument :
MSVOA_X
ClientSampleId :
WEIR-TANK-MUD

Tgt Ion: 75 Resp: 113067
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 51.643 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034227.D
Acq: 22 Feb 2023 14:36

Tgt Ion: 75 Resp: 113067
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#

