

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022624\
 Data File : VY017482.D
 Acq On : 26 Feb 2024 15:28
 Operator : SY/MD
 Sample : P1564-19
 Misc : 3.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-18

Quant Time: Feb 27 01:53:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

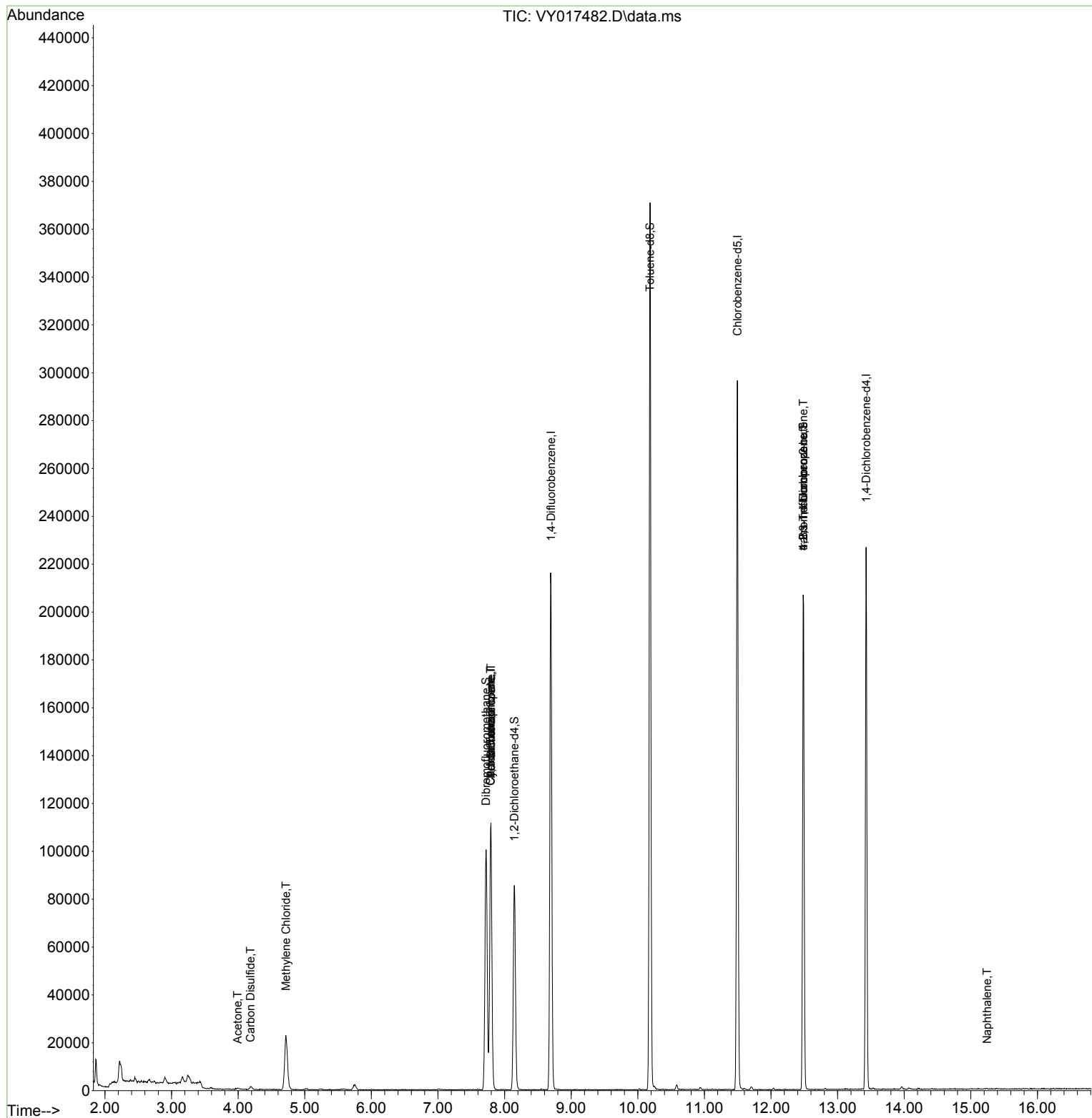
Internal Standards						
1) Pentafluorobenzene	7.795	168	90591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	198112	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	169956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	60274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	65518	76.312	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 152.620%			
35) Dibromofluoromethane	7.722	113	73014	52.889	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.780%			
50) Toluene-d8	10.185	98	245638	50.891	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.780%			
62) 4-Bromofluorobenzene	12.483	95	62544	41.231	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 82.460%			
Target Compounds						
					Qvalue	
16) Acetone	3.991	43	1303	7.825	ug/l	97
17) Carbon Disulfide	4.186	76	2628	1.023	ug/l #	87
20) Methylene Chloride	4.716	84	18031	14.545	ug/l	99
31) Cyclohexane	7.789	56	1665	1.192	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	6491	3.485	ug/l #	48
38) Carbon Tetrachloride	7.789	117	8257	4.423	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	30840	53.851	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	30840	123.737	ug/l #	16
95) Naphthalene	15.245	128	270	4.046	ug/l #	69

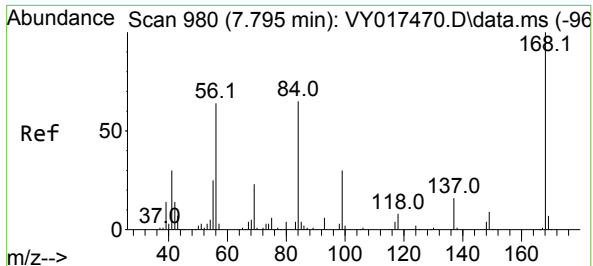
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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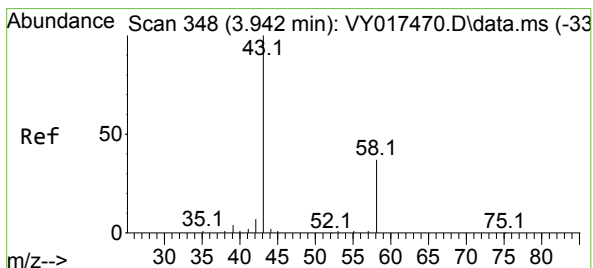
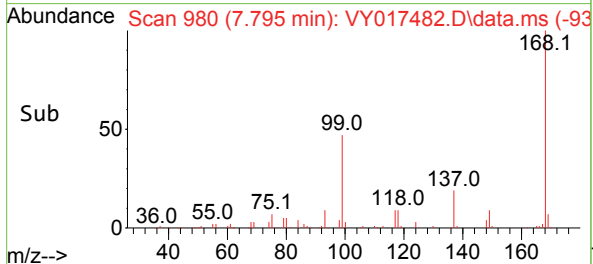
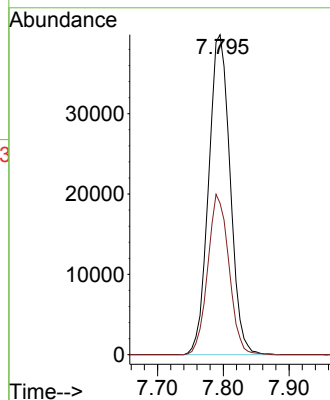
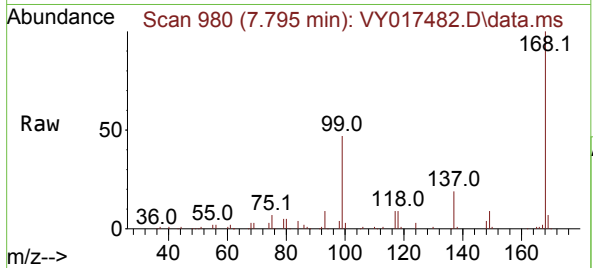




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017482.D
Acq: 26 Feb 2024 15:28

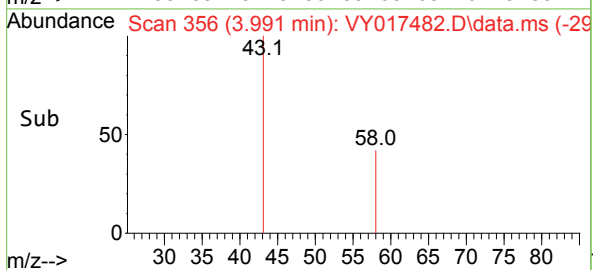
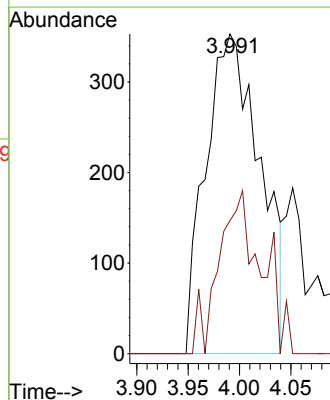
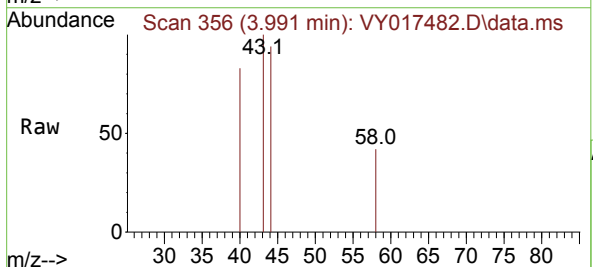
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-18

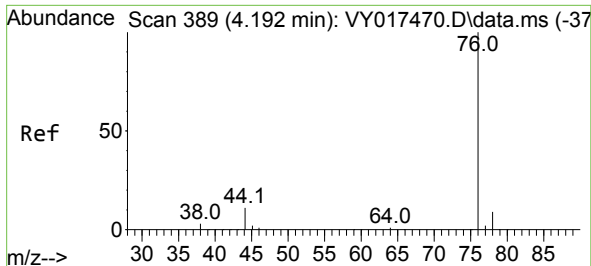
Tgt Ion:168 Resp: 90591
Ion Ratio Lower Upper
168 100
99 47.4 39.1 58.7



#16
Acetone
Concen: 7.825 ug/l
RT: 3.991 min Scan# 356
Delta R.T. 0.049 min
Lab File: VY017482.D
Acq: 26 Feb 2024 15:28

Tgt Ion: 43 Resp: 1303
Ion Ratio Lower Upper
43 100
58 41.6 31.7 47.5

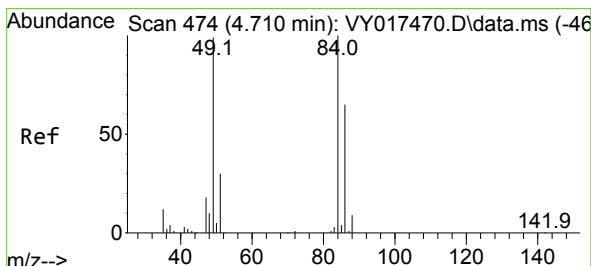
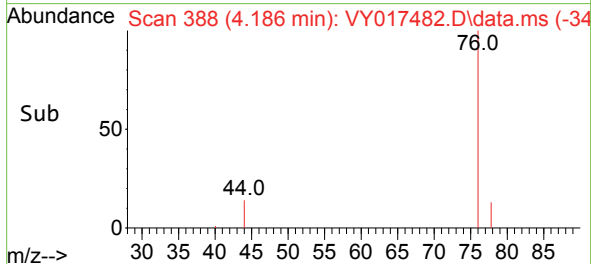
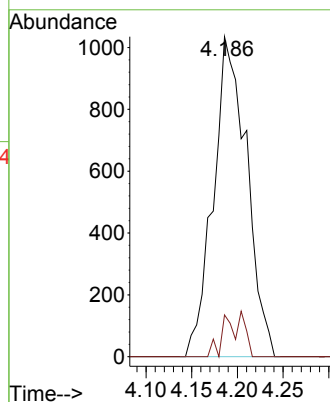
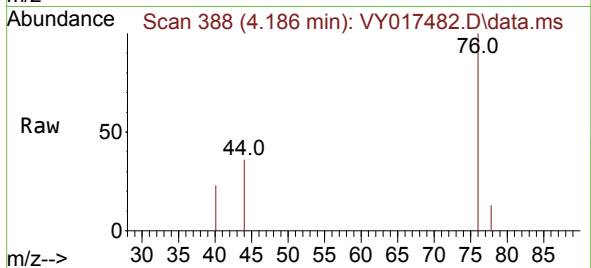




#17
Carbon Disulfide
Concen: 1.023 ug/l
RT: 4.186 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY017482.D
Acq: 26 Feb 2024 15:28

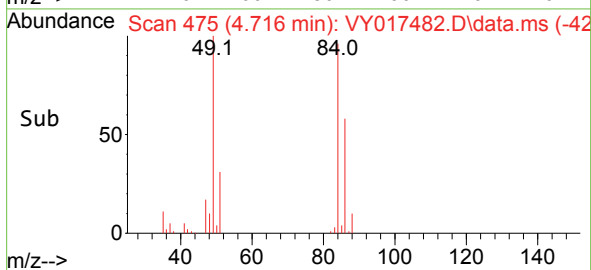
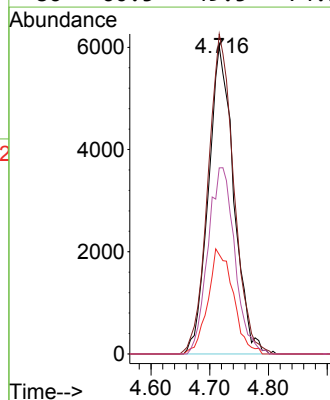
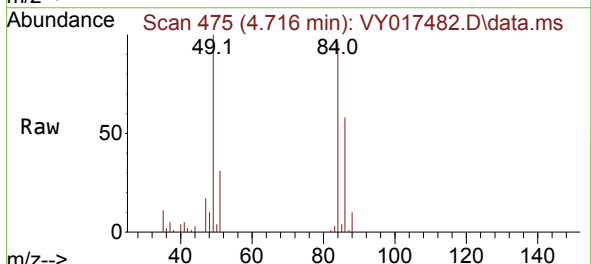
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-18

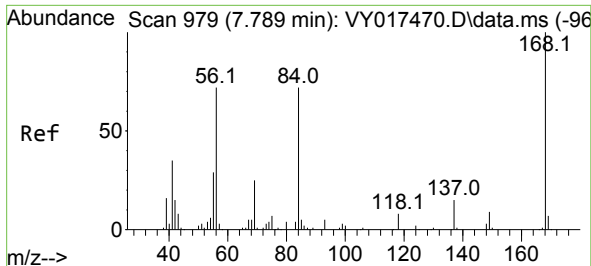
Tgt Ion: 76 Resp: 2628
Ion Ratio Lower Upper
76 100
78 13.0 6.8 10.2#



#20
Methylene Chloride
Concen: 14.545 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY017482.D
Acq: 26 Feb 2024 15:28

Tgt Ion: 84 Resp: 18031
Ion Ratio Lower Upper
84 100
49 104.0 84.4 126.6
51 32.3 26.0 39.0
86 60.5 49.5 74.3

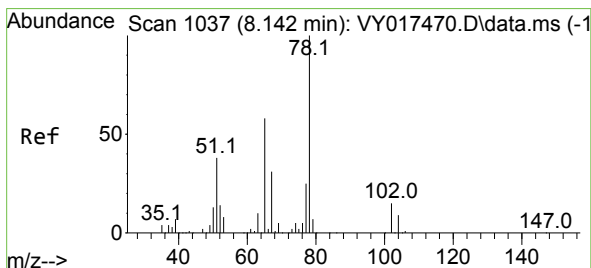
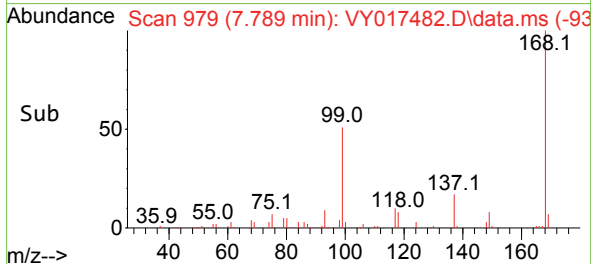
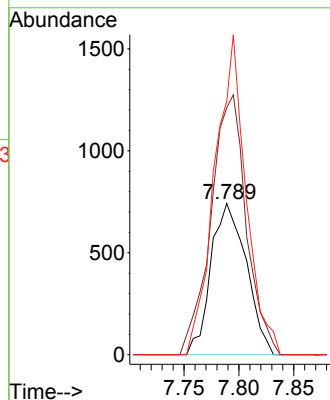
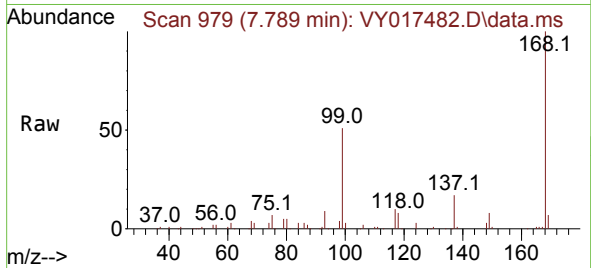




#31
Cyclohexane
Concen: 1.192 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017482.D
Acq: 26 Feb 2024 15:28

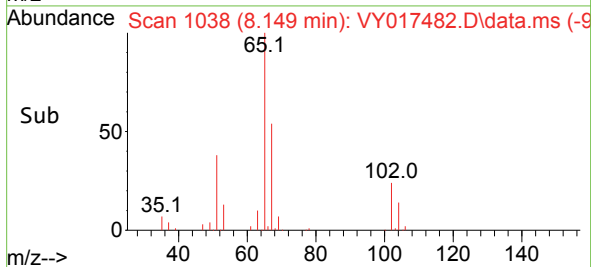
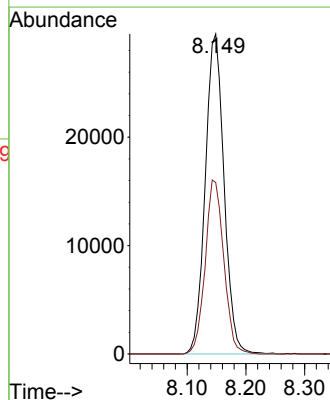
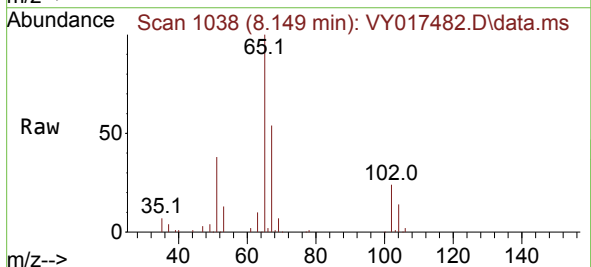
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-18

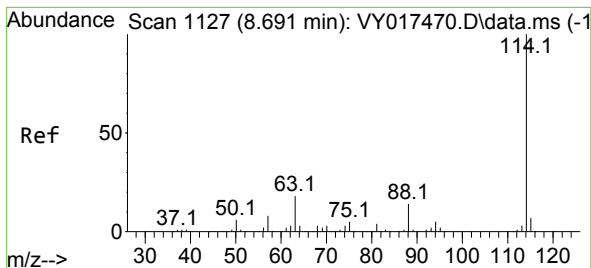
Tgt Ion: 56 Resp: 1665
Ion Ratio Lower Upper
56 100
69 163.3 28.7 43.1#
84 167.5 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 76.312 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.006 min
Lab File: VY017482.D
Acq: 26 Feb 2024 15:28

Tgt Ion: 65 Resp: 65518
Ion Ratio Lower Upper
65 100
67 53.7 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY017482.D

Acq: 26 Feb 2024 15:28

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-18

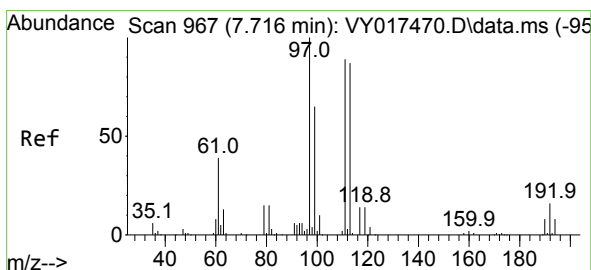
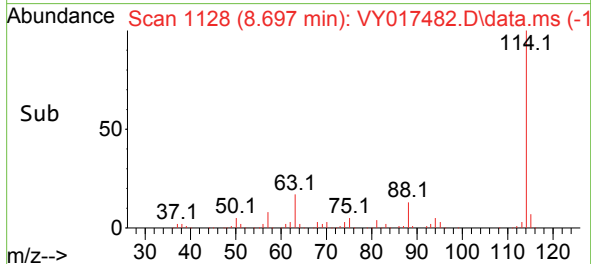
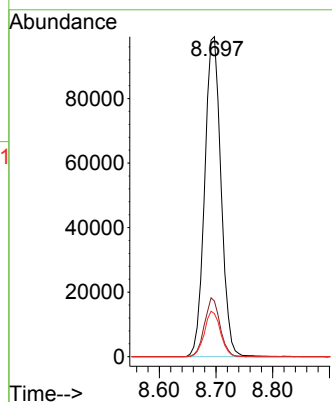
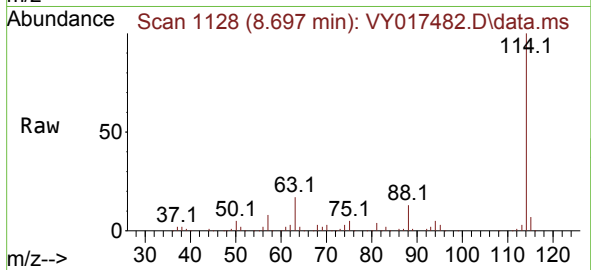
Tgt Ion:114 Resp: 198112

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.0

88 13.5 0.0 27.2



#35

Dibromofluoromethane

Concen: 52.889 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY017482.D

Acq: 26 Feb 2024 15:28

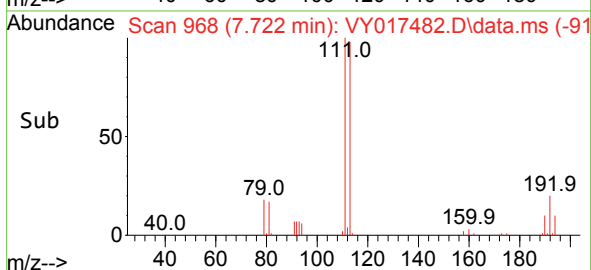
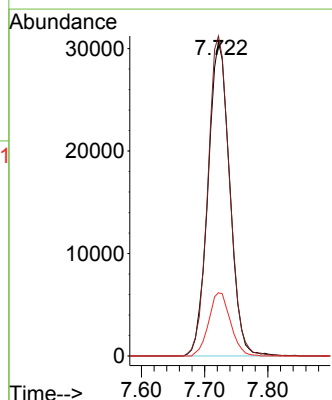
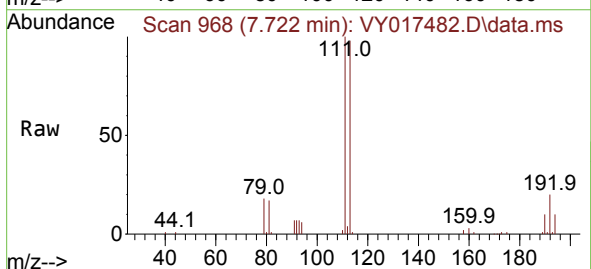
Tgt Ion:113 Resp: 73014

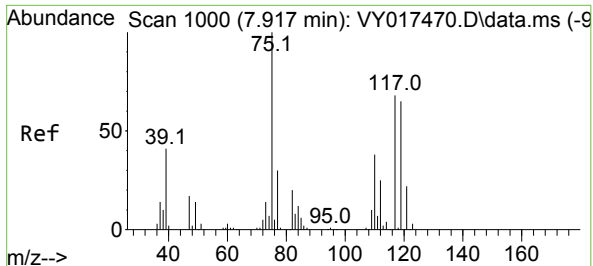
Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

192 20.2 15.9 23.9

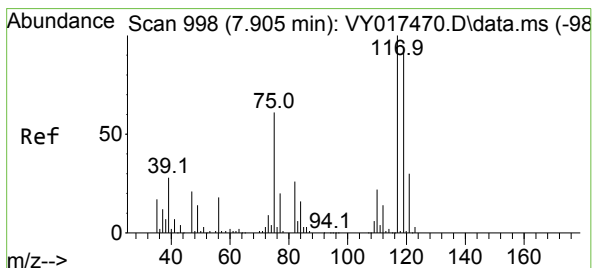
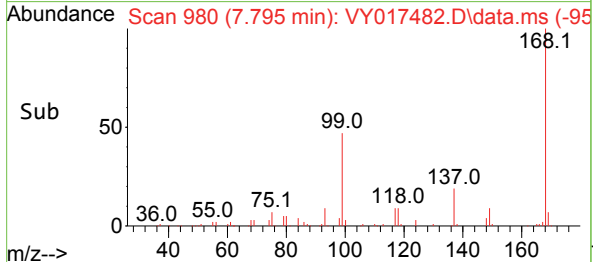
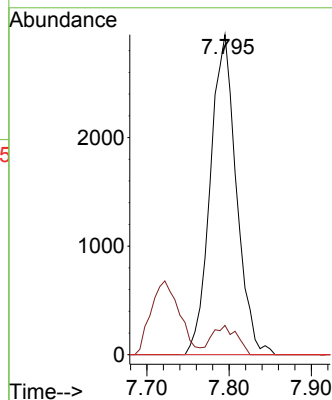
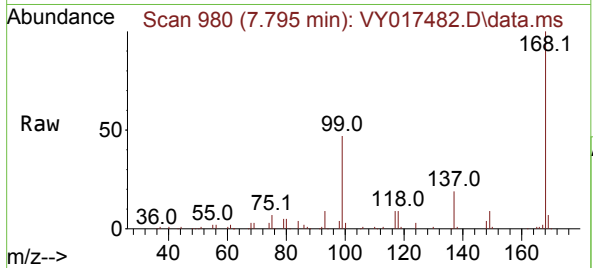




#36
1,1-Dichloropropene
Concen: 3.485 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY017482.D
Acq: 26 Feb 2024 15:28

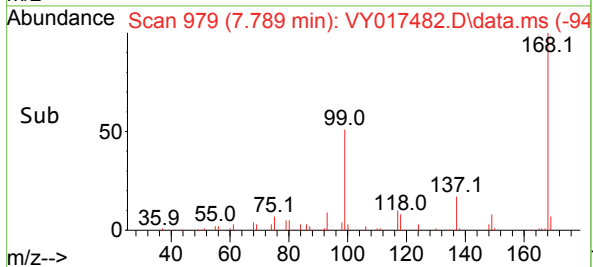
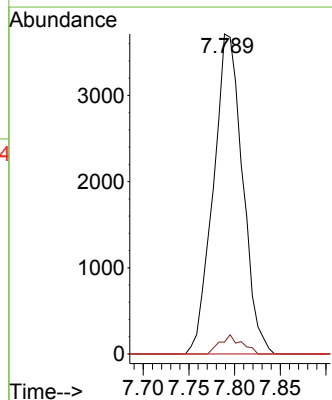
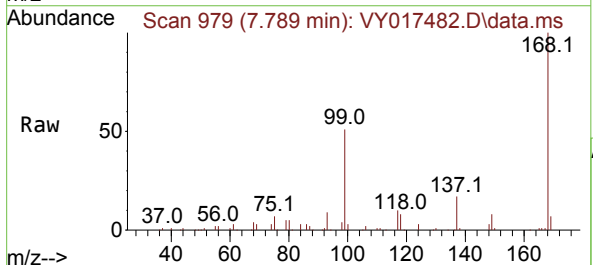
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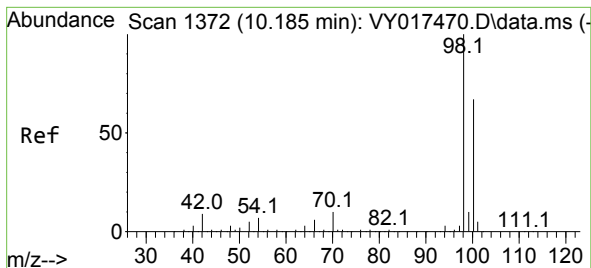
Tgt Ion: 75 Resp: 6491
Ion Ratio Lower Upper
75 100
110 8.8 19.0 57.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.423 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY017482.D
Acq: 26 Feb 2024 15:28

Tgt Ion: 117 Resp: 8257
Ion Ratio Lower Upper
117 100
119 3.7 75.8 113.6#
121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 50.891 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.000 min

Lab File: VY017482.D

Acq: 26 Feb 2024 15:28

Instrument :

MSVOA_Y

ClientSampleId :

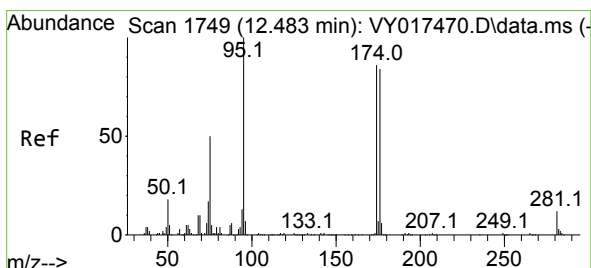
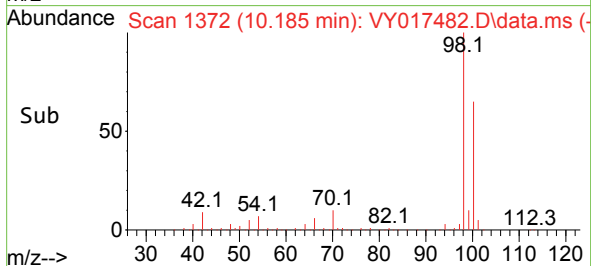
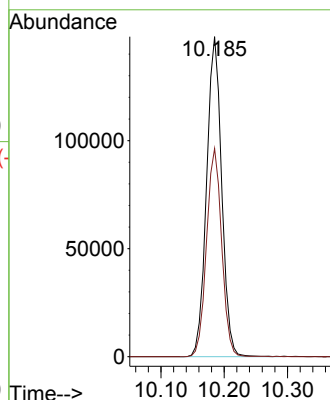
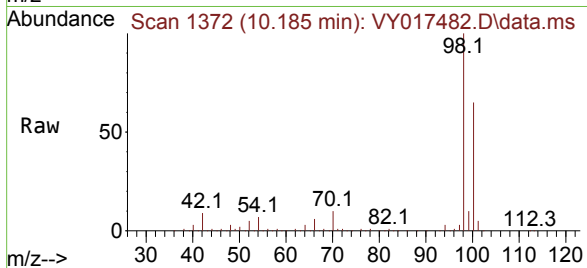
LKWD-BACKFILL-18

Tgt Ion: 98 Resp: 245638

Ion Ratio Lower Upper

98 100

100 65.3 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 41.231 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY017482.D

Acq: 26 Feb 2024 15:28

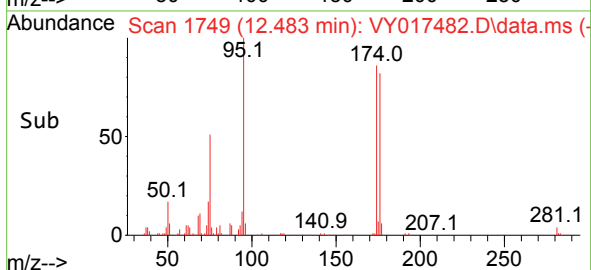
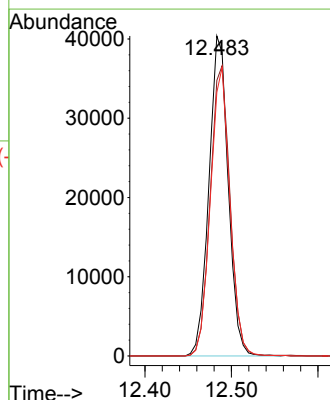
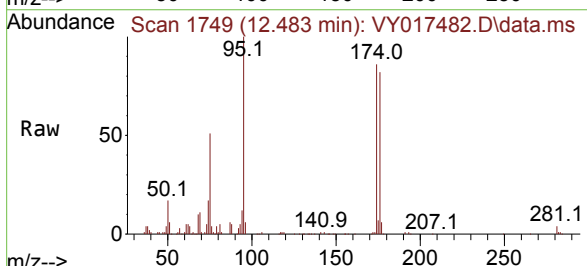
Tgt Ion: 95 Resp: 62544

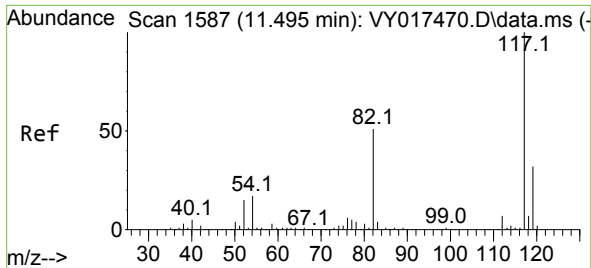
Ion Ratio Lower Upper

95 100

174 93.0 0.0 175.6

176 90.7 0.0 171.4

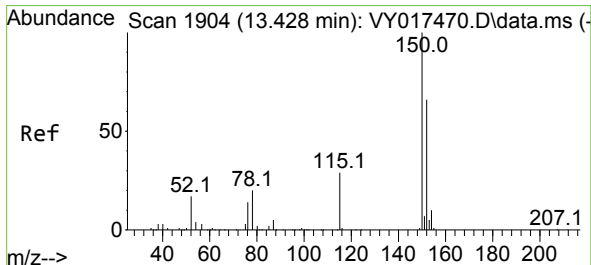
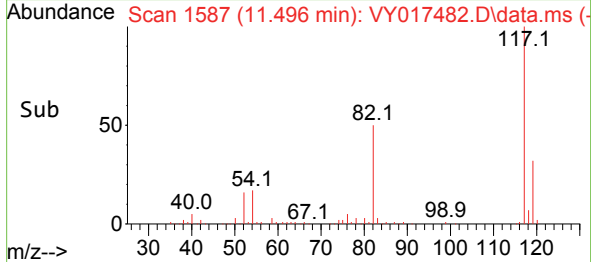
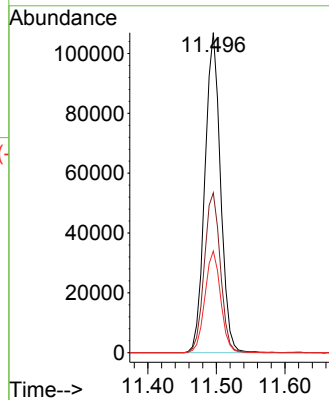
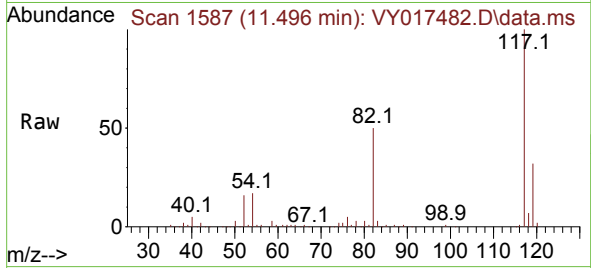




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY017482.D
Acq: 26 Feb 2024 15:28

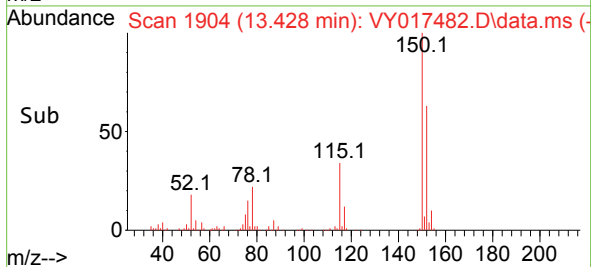
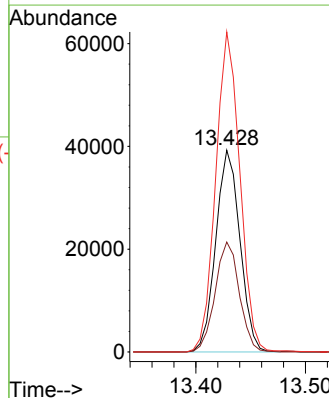
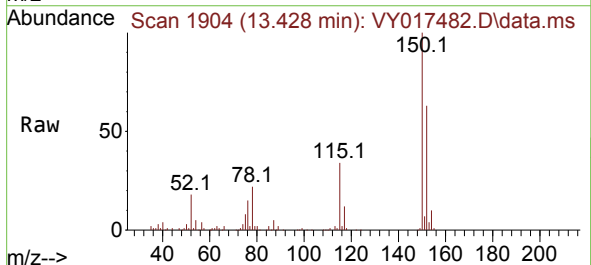
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-18

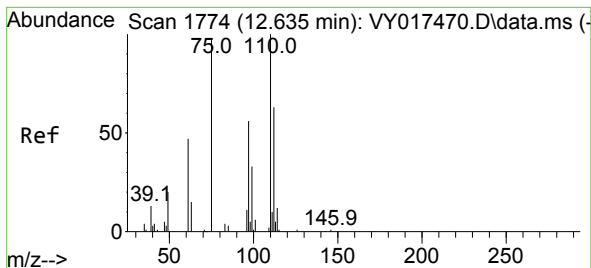
Tgt Ion:117 Resp: 169956
Ion Ratio Lower Upper
117 100
82 50.0 42.4 63.6
119 31.8 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY017482.D
Acq: 26 Feb 2024 15:28

Tgt Ion:152 Resp: 60274
Ion Ratio Lower Upper
152 100
115 54.5 28.2 84.7
150 158.4 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 53.851 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY017482.D

Acq: 26 Feb 2024 15:28

Instrument :

MSVOA_Y

ClientSampleId :

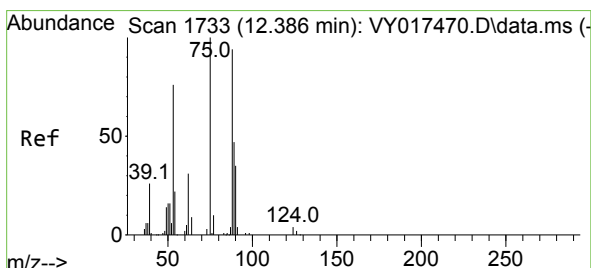
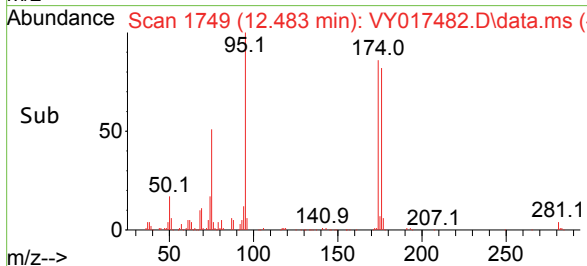
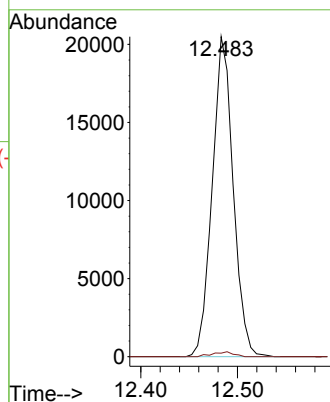
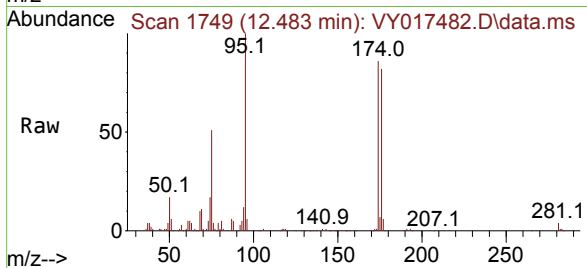
LKWD-BACKFILL-18

Tgt Ion: 75 Resp: 30840

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.737 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.098 min

Lab File: VY017482.D

Acq: 26 Feb 2024 15:28

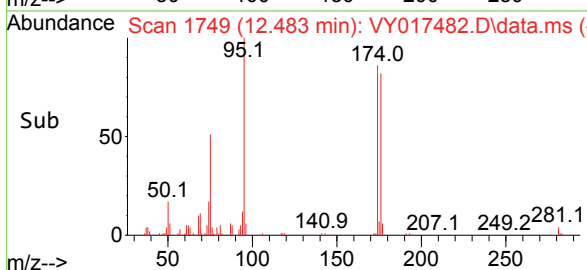
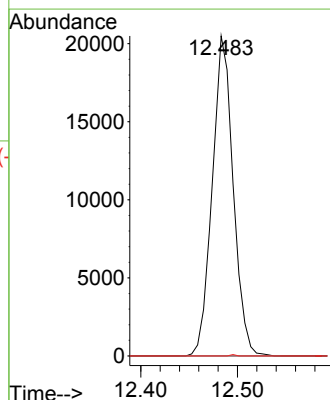
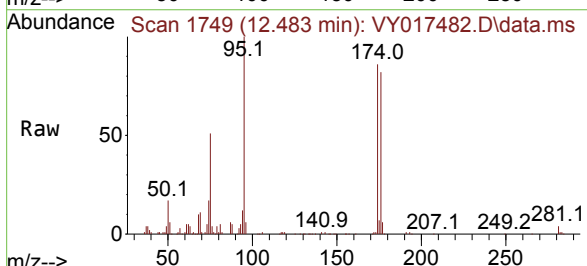
Tgt Ion: 75 Resp: 30840

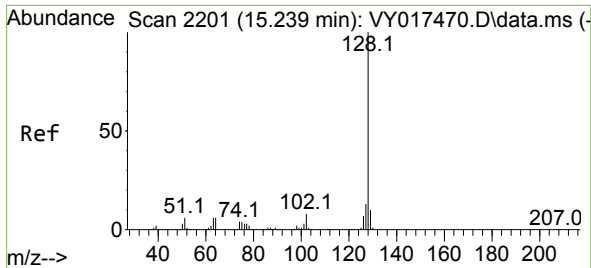
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

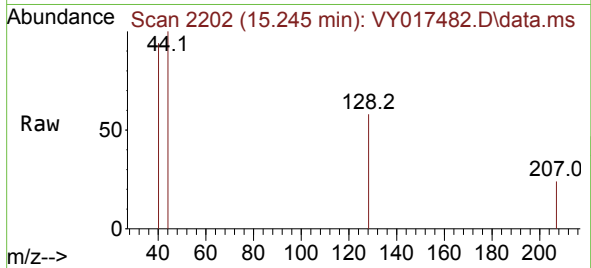
89 0.1 35.8 53.6#





#95
Naphthalene
Concen: 4.046 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY017482.D
Acq: 26 Feb 2024 15:28

Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-18



Tgt Ion:128 Resp: 270
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

