

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022624\
 Data File : VY017486.D
 Acq On : 26 Feb 2024 17:00
 Operator : SY/MD
 Sample : P1564-15
 Misc : 3.46g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-16

Quant Time: Feb 27 01:54:57 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)

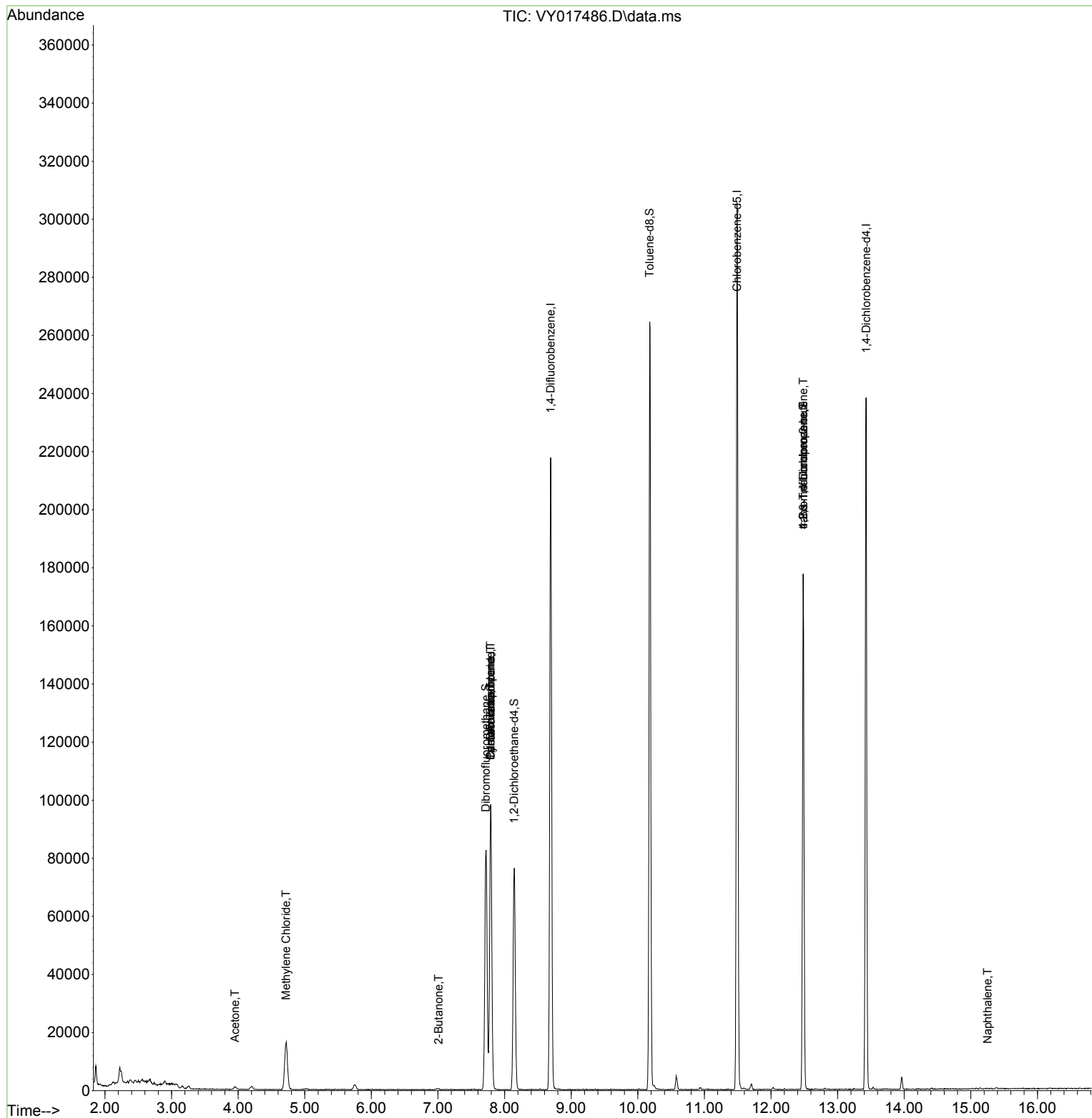
Internal Standards						
1) Pentafluorobenzene	7.789	168	81836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	198858	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	181752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	64372	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	57636	74.313	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	148.620%
35) Dibromofluoromethane	7.716	113	61166	44.141	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.280%
50) Toluene-d8	10.179	98	186152	38.422	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	76.840%
62) 4-Bromofluorobenzene	12.483	95	48931	32.136	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	64.280%
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	1872	12.444	ug/l #	86
20) Methylene Chloride	4.716	84	13552	11.068	ug/l	90
25) 2-Butanone	7.009	43	238	1.110	ug/l #	41
31) Cyclohexane	7.789	56	1578	1.250	ug/l #	8
36) 1,1-Dichloropropene	7.789	75	5511	2.948	ug/l #	49
38) Carbon Tetrachloride	7.789	117	7489	3.997	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	24173	39.522	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	24173	90.813	ug/l #	16
95) Naphthalene	15.251	128	155	3.985	ug/l #	69

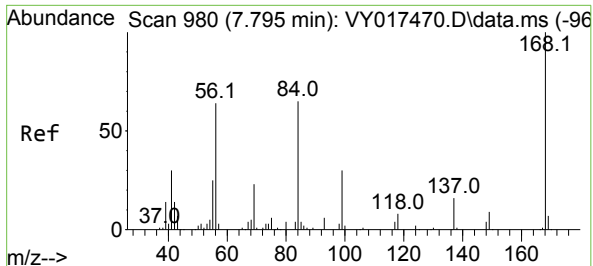
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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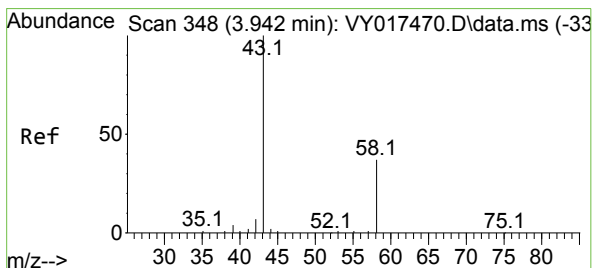
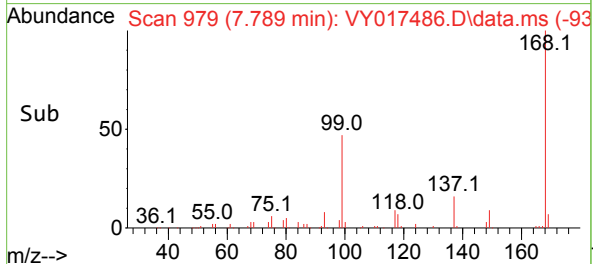
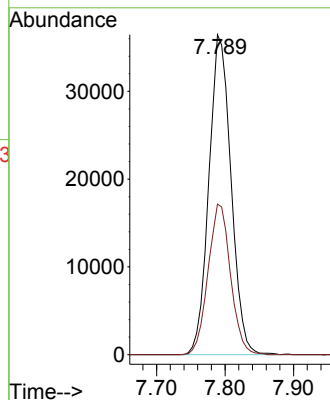
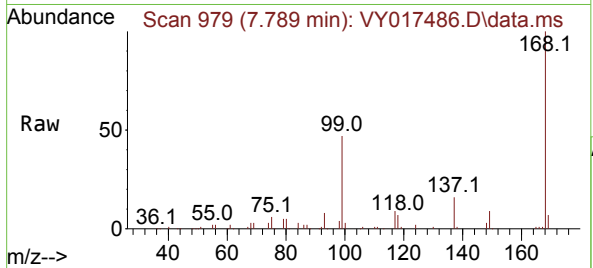




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017486.D
Acq: 26 Feb 2024 17:00

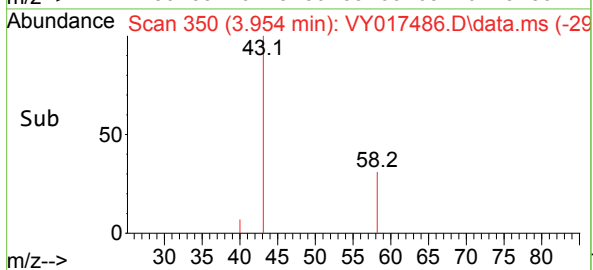
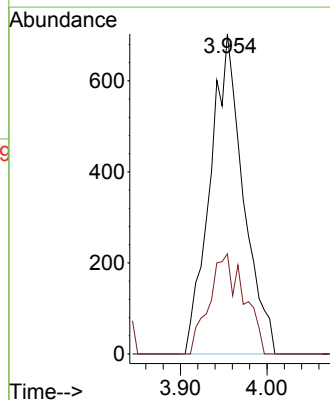
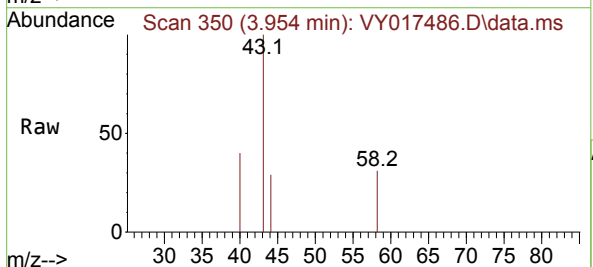
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-16

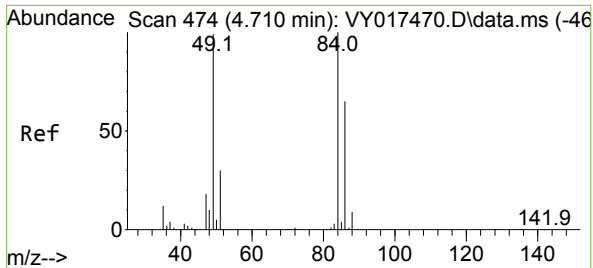
Tgt Ion:168 Resp: 81836
Ion Ratio Lower Upper
168 100
99 47.1 39.1 58.7



#16
Acetone
Concen: 12.444 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY017486.D
Acq: 26 Feb 2024 17:00

Tgt Ion: 43 Resp: 1872
Ion Ratio Lower Upper
43 100
58 31.3 31.7 47.5#

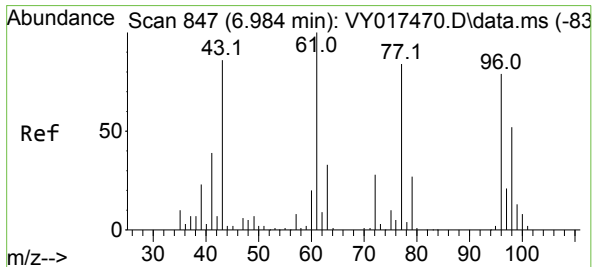
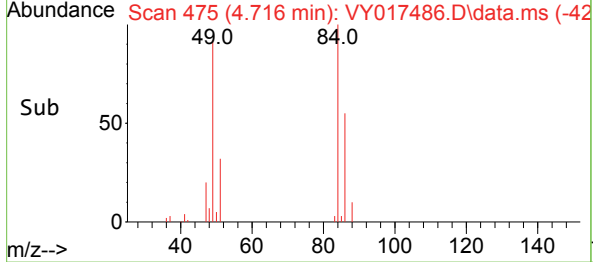
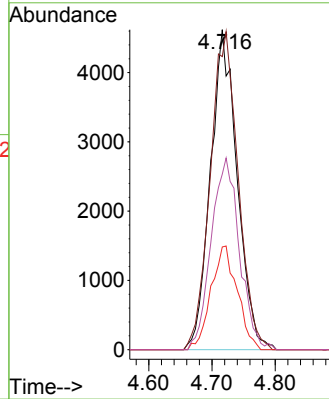
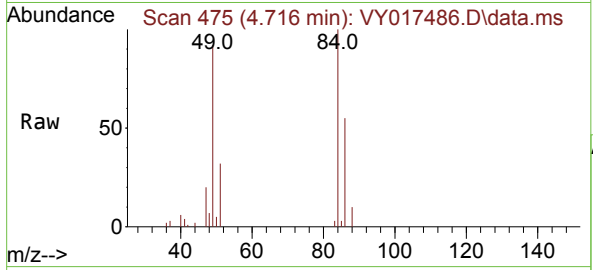




#20
Methylene Chloride
Concen: 11.068 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY017486.D
Acq: 26 Feb 2024 17:00

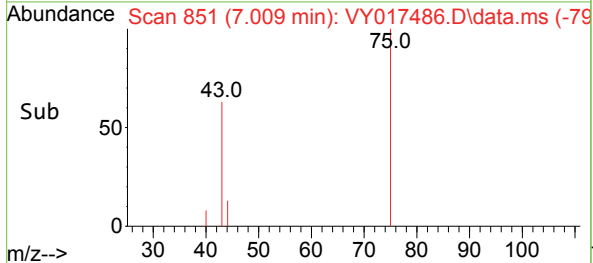
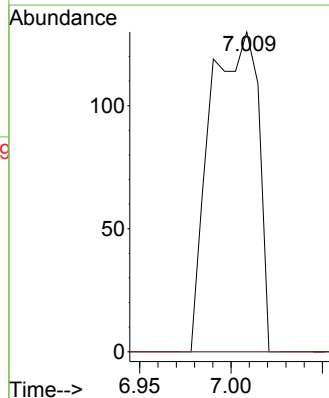
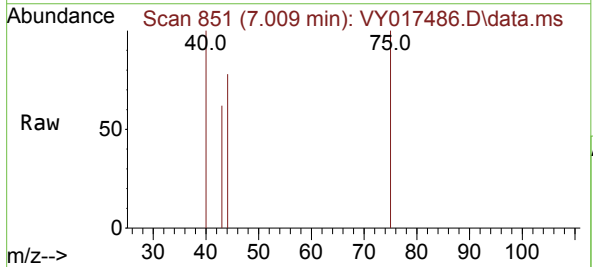
Instrument :
MSVOA_Y
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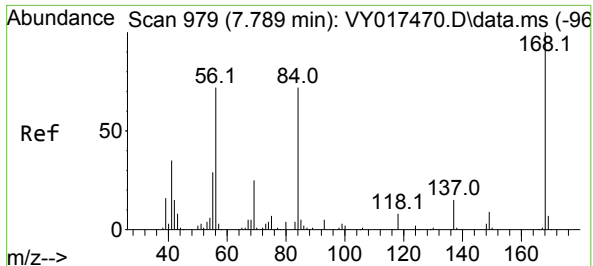
Tgt Ion:	84	Resp:	13552
Ion	Ratio	Lower	Upper
84	100		
49	91.6	84.4	126.6
51	32.1	26.0	39.0
86	54.9	49.5	74.3



#25
2-Butanone
Concen: 1.110 ug/l
RT: 7.009 min Scan# 851
Delta R.T. 0.024 min
Lab File: VY017486.D
Acq: 26 Feb 2024 17:00

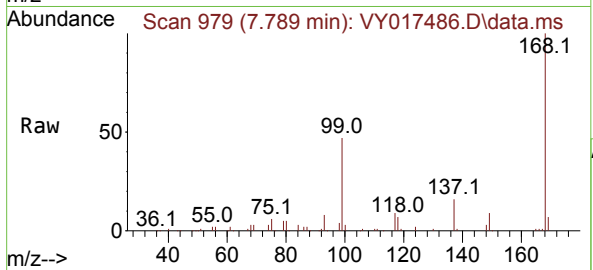
Tgt Ion:	43	Resp:	238
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#



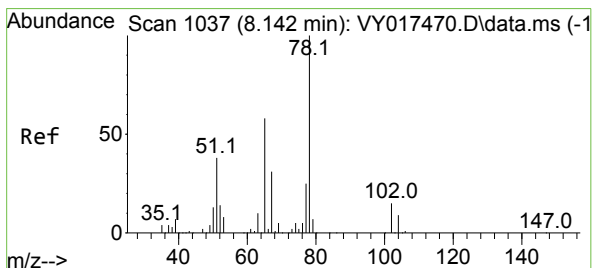
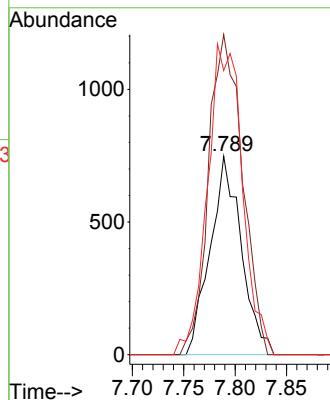
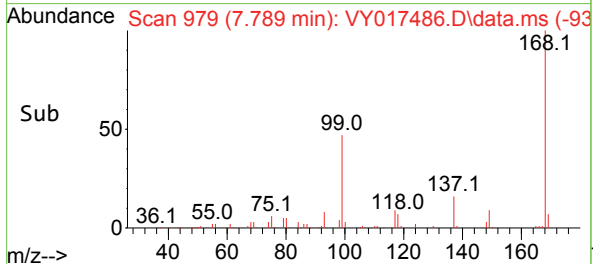


#31
Cyclohexane
Concen: 1.250 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017486.D
Acq: 26 Feb 2024 17:00

Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-16

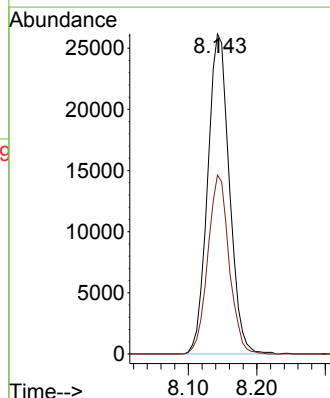
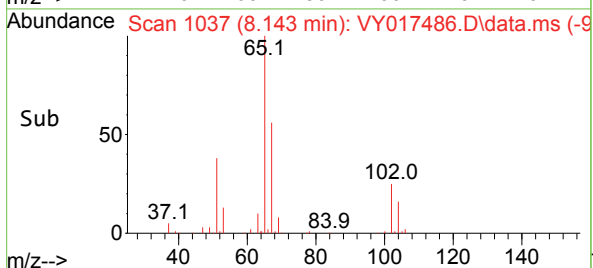
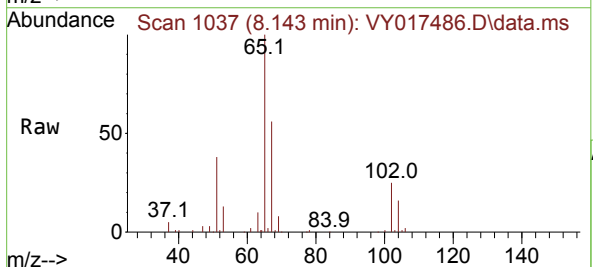


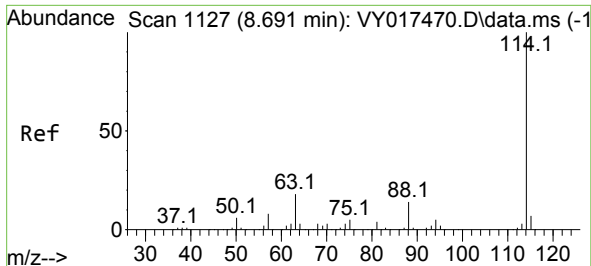
Tgt Ion: 56 Resp: 1578
Ion Ratio Lower Upper
56 100
69 161.2 28.7 43.1#
84 143.2 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 74.313 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY017486.D
Acq: 26 Feb 2024 17:00

Tgt Ion: 65 Resp: 57636
Ion Ratio Lower Upper
65 100
67 54.8 0.0 109.6

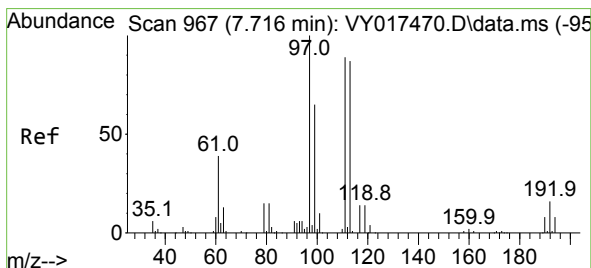
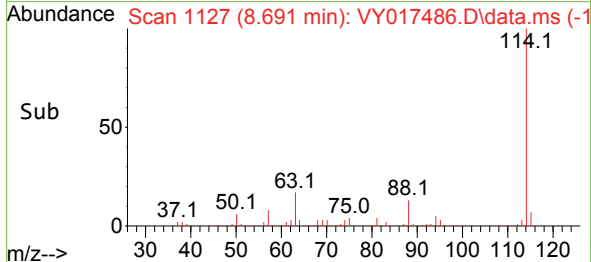
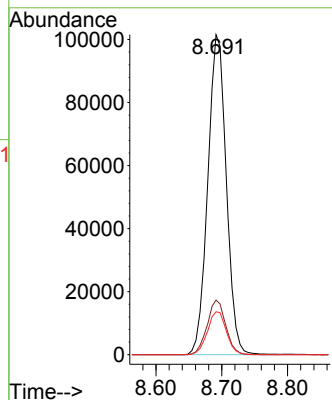
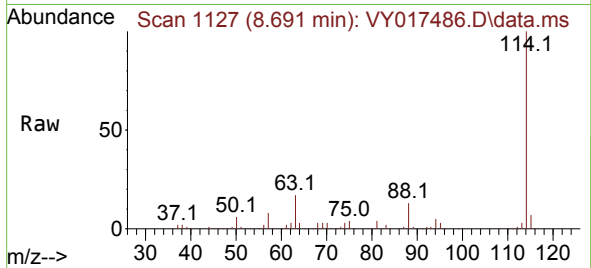




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY017486.D
Acq: 26 Feb 2024 17:00

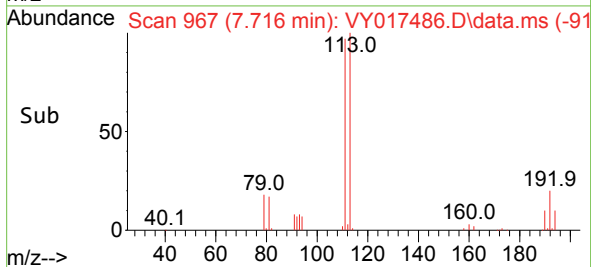
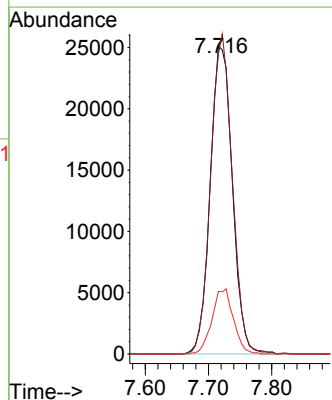
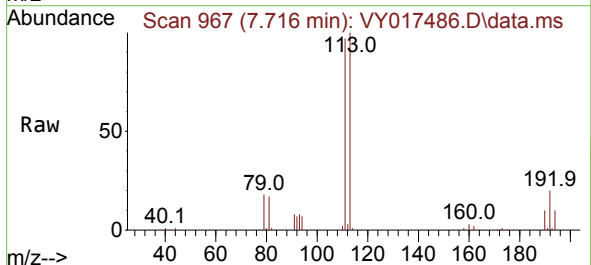
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-16

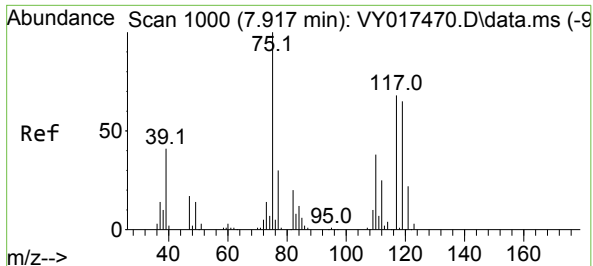
Tgt Ion:114 Resp: 198858
Ion Ratio Lower Upper
114 100
63 17.1 0.0 35.0
88 13.4 0.0 27.2



#35
Dibromofluoromethane
Concen: 44.141 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY017486.D
Acq: 26 Feb 2024 17:00

Tgt Ion:113 Resp: 61166
Ion Ratio Lower Upper
113 100
111 101.2 82.2 123.4
192 20.4 15.9 23.9





#36

1,1-Dichloropropene

Concen: 2.948 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY017486.D

Acq: 26 Feb 2024 17:00

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-16

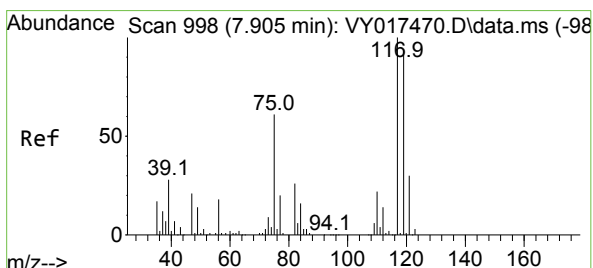
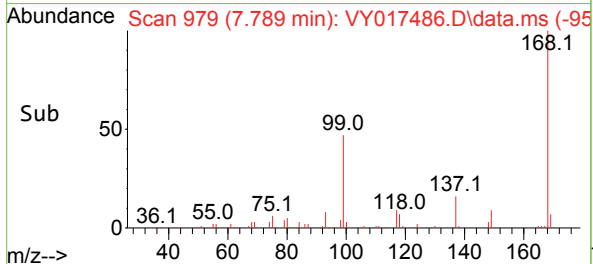
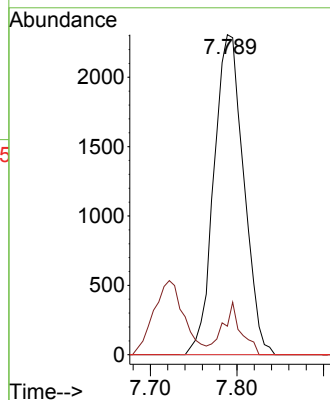
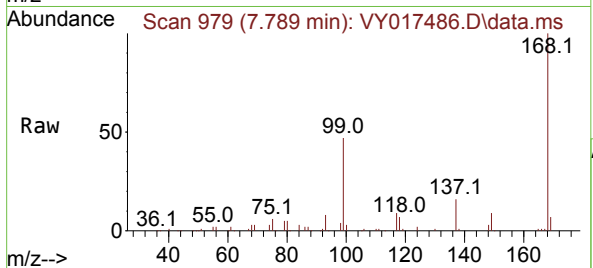
Tgt Ion: 75 Resp: 5511

Ion Ratio Lower Upper

75 100

110 10.1 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 3.997 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY017486.D

Acq: 26 Feb 2024 17:00

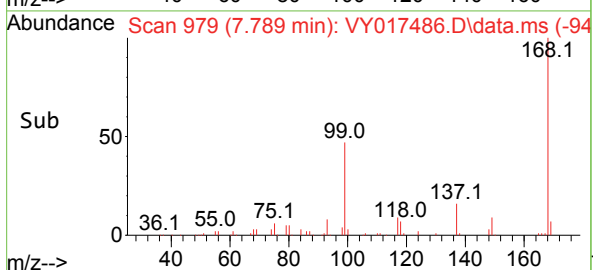
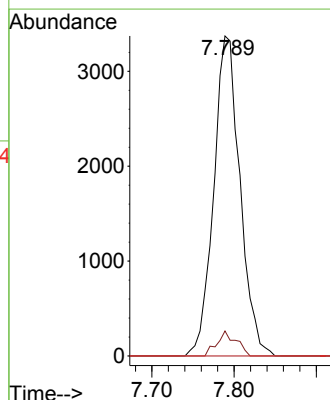
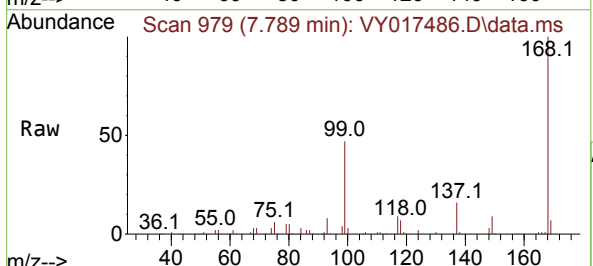
Tgt Ion: 117 Resp: 7489

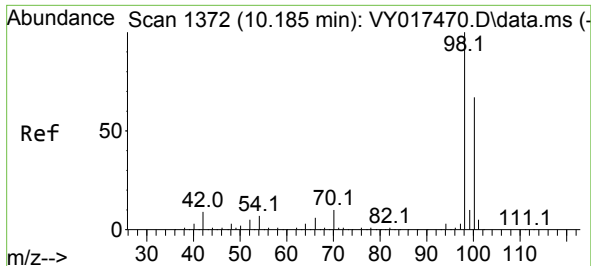
Ion Ratio Lower Upper

117 100

119 7.8 75.8 113.6#

121 0.0 24.0 36.0#

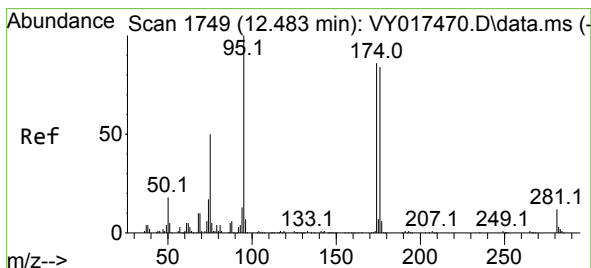
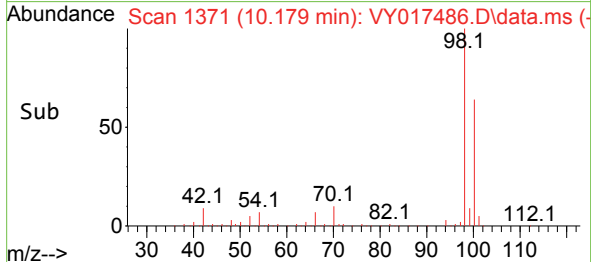
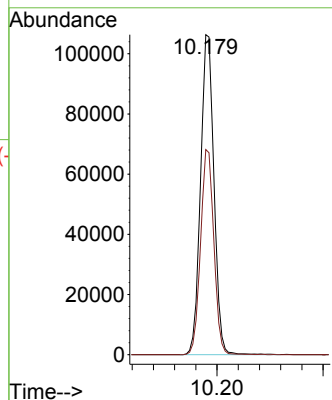
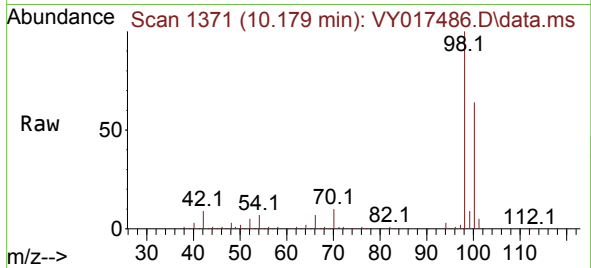




#50
Toluene-d8
Concen: 38.422 ug/l
RT: 10.179 min Scan# 1372
Delta R.T. -0.006 min
Lab File: VY017486.D
Acq: 26 Feb 2024 17:00

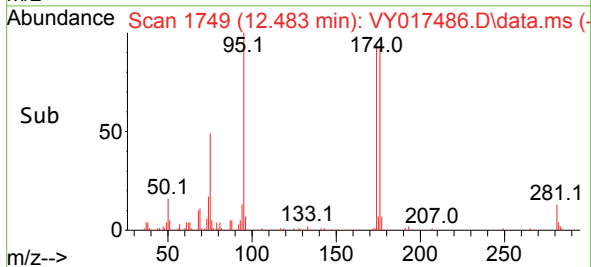
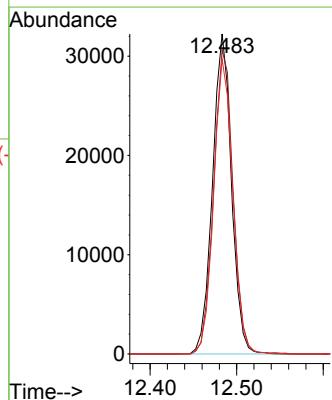
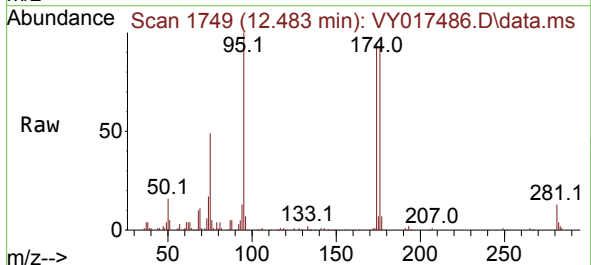
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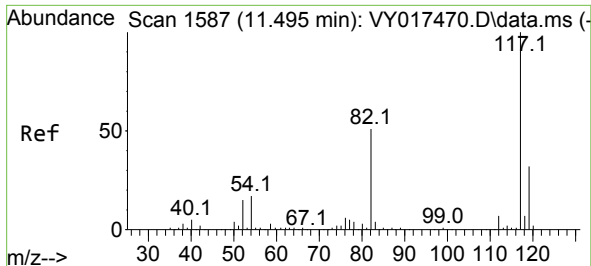
Tgt Ion: 98 Resp: 186152
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 32.136 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY017486.D
Acq: 26 Feb 2024 17:00

Tgt Ion: 95 Resp: 48931
Ion Ratio Lower Upper
95 100
174 97.6 0.0 175.6
176 93.5 0.0 171.4

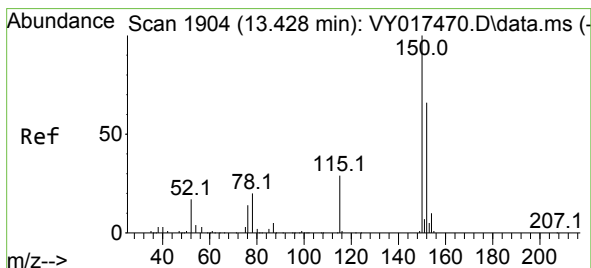
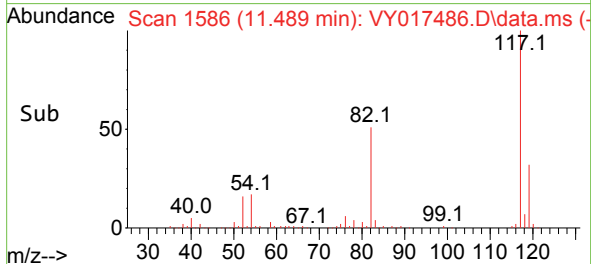
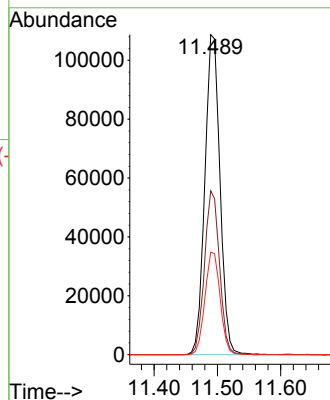
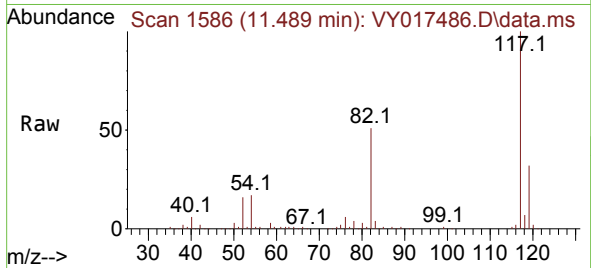




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY017486.D
Acq: 26 Feb 2024 17:00

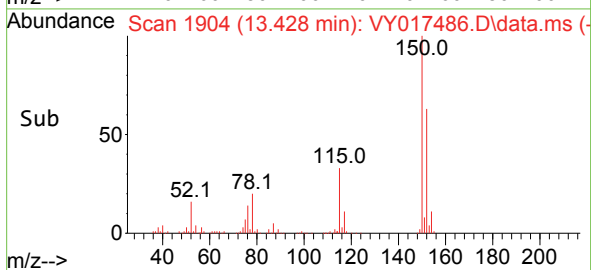
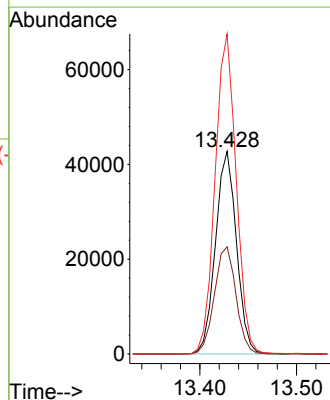
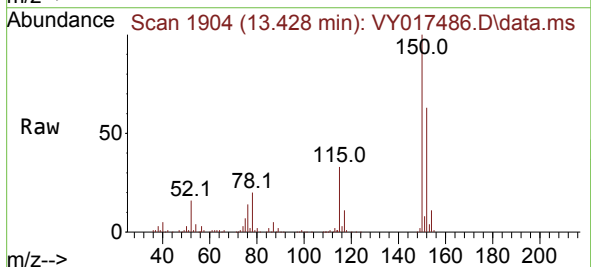
Instrument :
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LKWD-BACKFILL-16

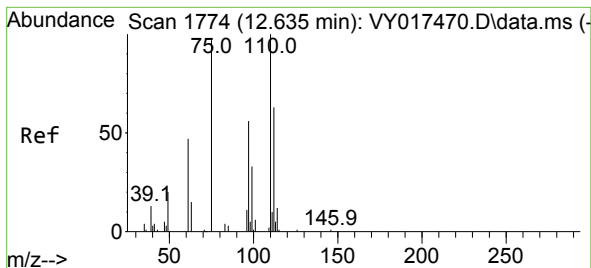
Tgt Ion:117 Resp: 181752
Ion Ratio Lower Upper
117 100
82 51.2 42.4 63.6
119 32.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY017486.D
Acq: 26 Feb 2024 17:00

Tgt Ion:152 Resp: 64372
Ion Ratio Lower Upper
152 100
115 54.6 28.2 84.7
150 158.7 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 39.522 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY017486.D

Acq: 26 Feb 2024 17:00

Instrument :

MSVOA_Y

ClientSampleId :

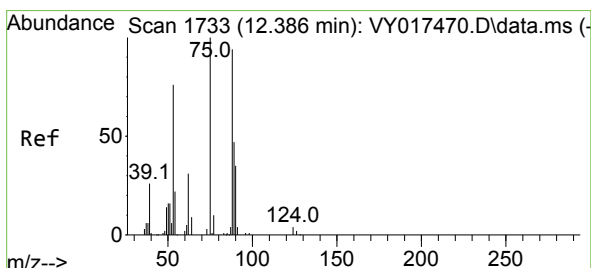
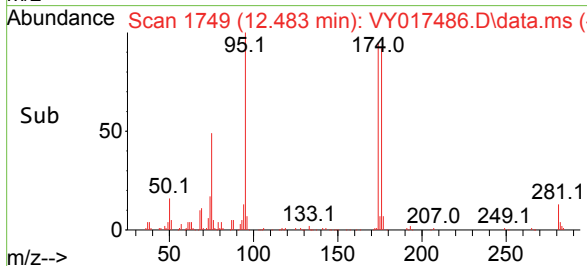
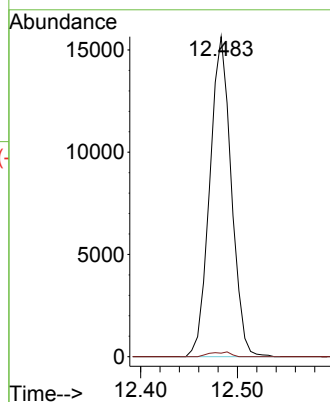
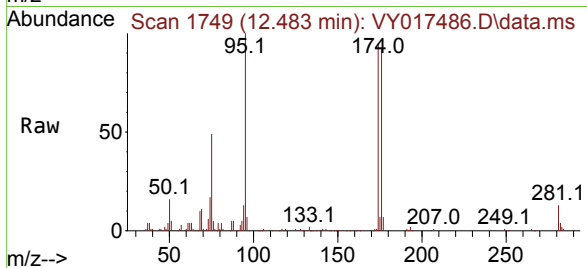
LKWD-BACKFILL-16

Tgt Ion: 75 Resp: 24173

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.813 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.098 min

Lab File: VY017486.D

Acq: 26 Feb 2024 17:00

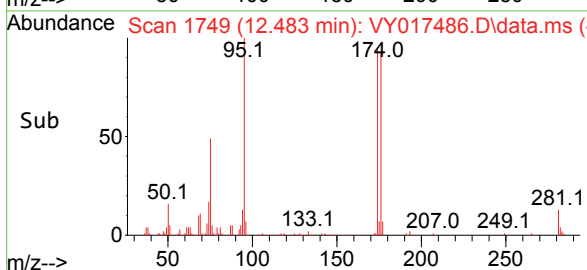
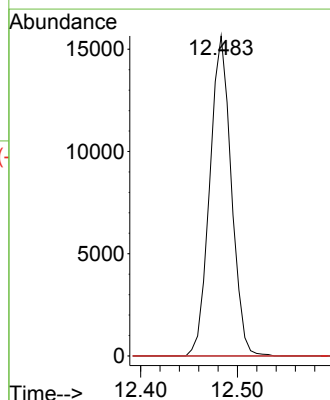
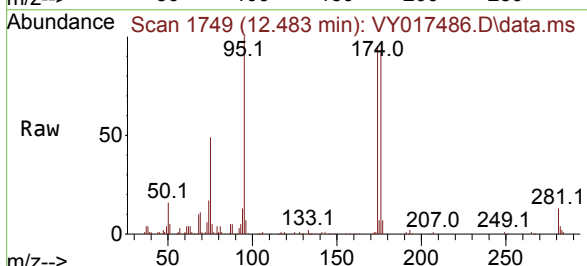
Tgt Ion: 75 Resp: 24173

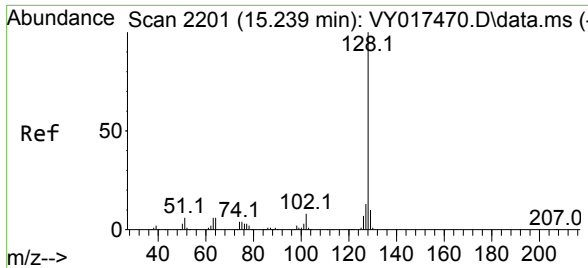
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

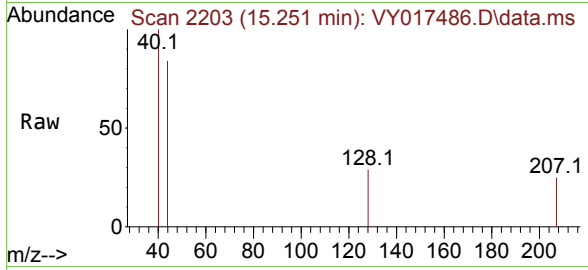
89 0.0 35.8 53.6#





#95
 Naphthalene
 Concen: 3.985 ug/l
 RT: 15.251 min Scan# 21
 Delta R.T. 0.012 min
 Lab File: VY017486.D
 Acq: 26 Feb 2024 17:00

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-16



Tgt Ion:	128	Resp:	155
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.6	13.0#

