

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
 Data File : VY017986.D
 Acq On : 18 Apr 2024 19:13
 Operator : SY/MD
 Sample : P2177-03
 Misc : 4.18g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-20

Quant Time: Apr 19 02:04:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041624S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:24:42 2024
 Response via : Initial Calibration

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

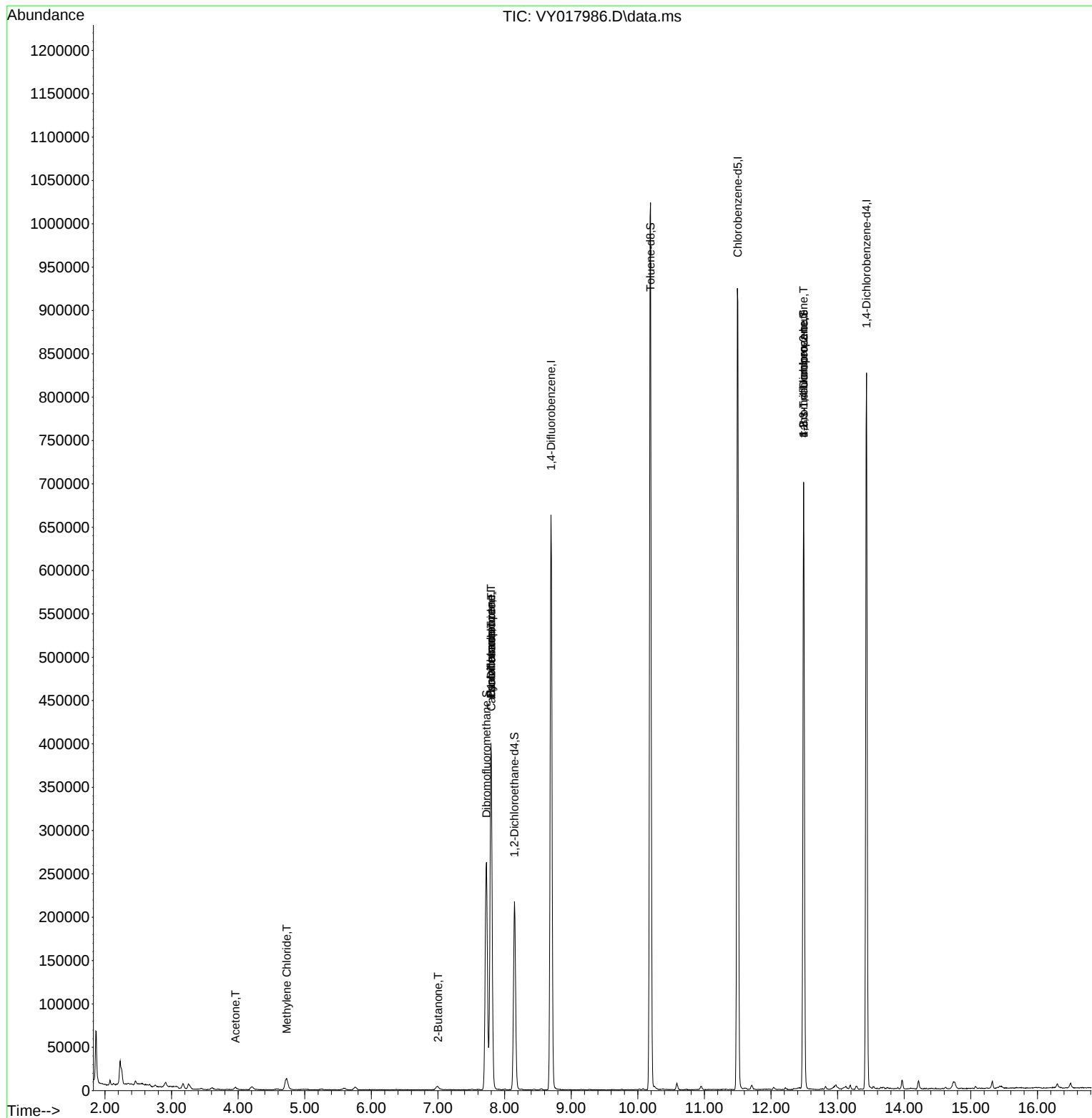
Internal Standards						
1) Pentafluorobenzene	7.795	168	332405	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	604613	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	555876	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	230475	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	162769	56.59	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.18%
35) Dibromofluoromethane	7.728	113	193244	51.81	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.62%
50) Toluene-d8	10.191	98	694825	49.09	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.18%
62) 4-Bromofluorobenzene	12.489	95	208446	47.55	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.10%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	960	Below Cal	#	88
16) Acetone	3.960	43	4592	8.08	ug/l	98
20) Methylene Chloride	4.728	84	10303	2.68	ug/l #	87
25) 2-Butanone	7.002	43	1022	1.22	ug/l	97
31) Cyclohexane	7.795	56	5825	1.06	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	23320	4.30	ug/l #	47
38) Carbon Tetrachloride	7.801	117	29732	5.43	ug/l #	18
76) 1,2,3-Trichloropropane	12.489	75	100490	46.46	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	100490	95.80	ug/l #	16

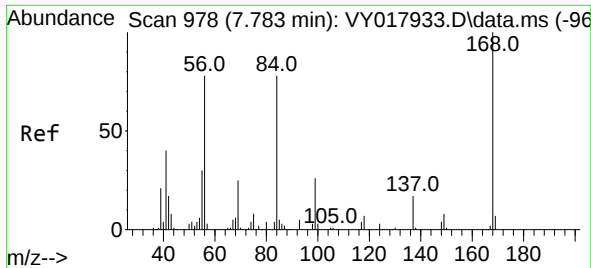
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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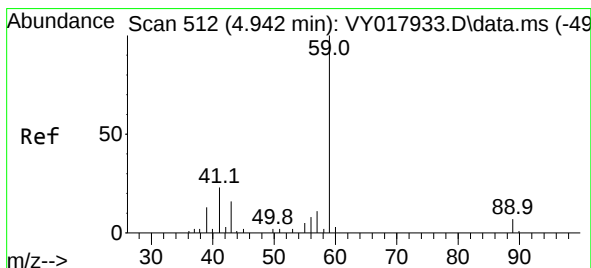
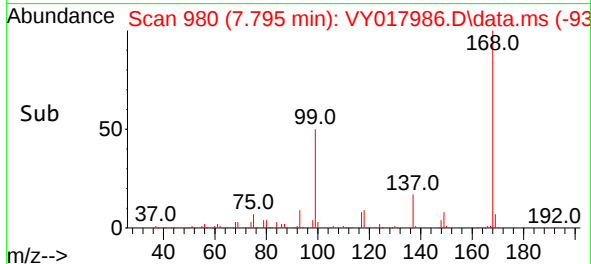
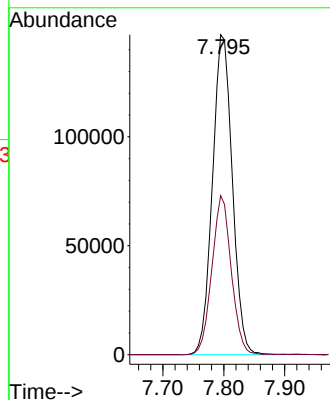
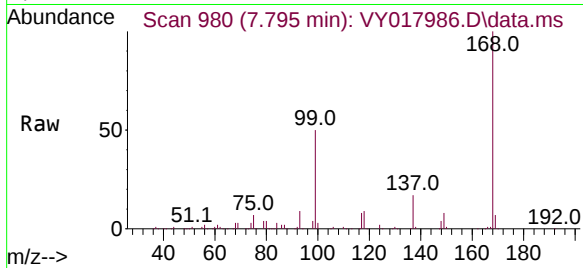




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017986.D
Acq: 18 Apr 2024 19:13

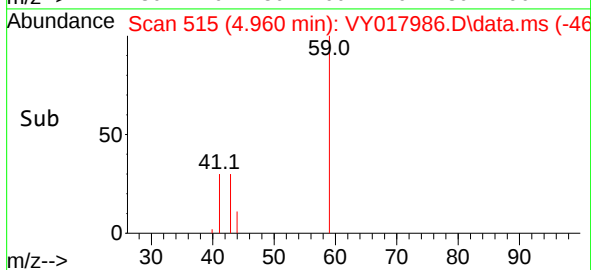
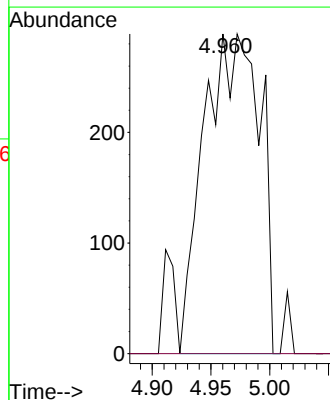
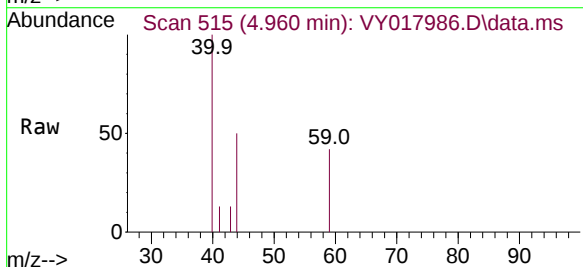
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-20

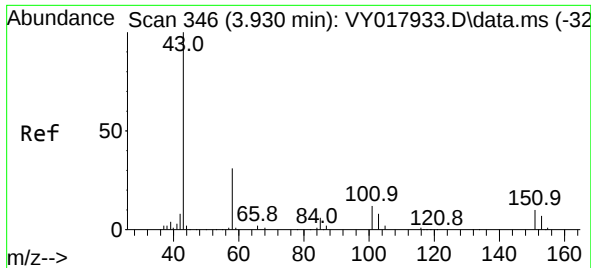
Tgt Ion:168 Resp: 332405
Ion Ratio Lower Upper
168 100
99 49.7 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY017986.D
Acq: 18 Apr 2024 19:13

Tgt Ion: 59 Resp: 960
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 8.08 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY017986.D

Acq: 18 Apr 2024 19:13

Instrument :

MSVOA_Y

ClientSampleId :

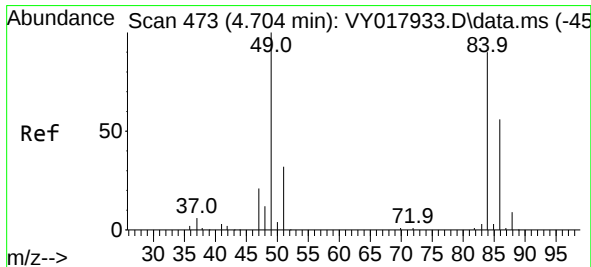
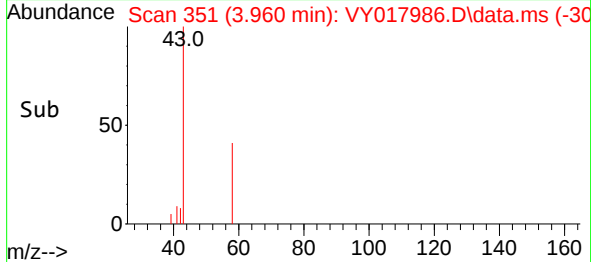
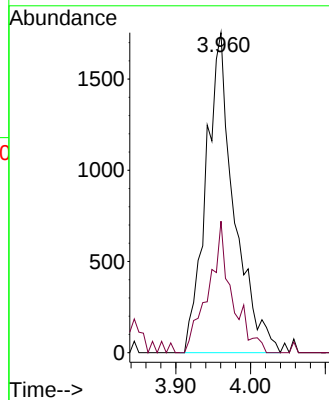
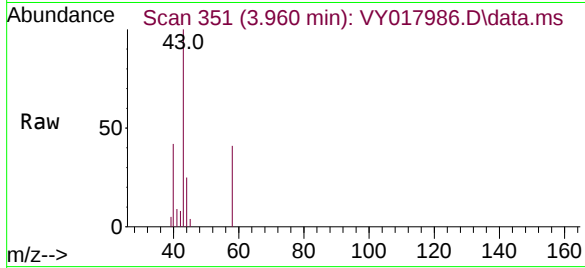
LKWD-BACKFILL-20

Tgt Ion: 43 Resp: 4592

Ion Ratio Lower Upper

43 100

58 41.1 31.7 47.5



#20

Methylene Chloride

Concen: 2.68 ug/l

RT: 4.728 min Scan# 477

Delta R.T. 0.012 min

Lab File: VY017986.D

Acq: 18 Apr 2024 19:13

Tgt Ion: 84 Resp: 10303

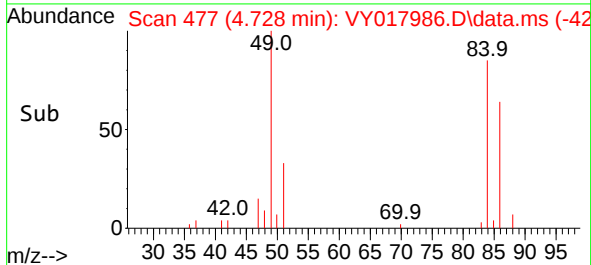
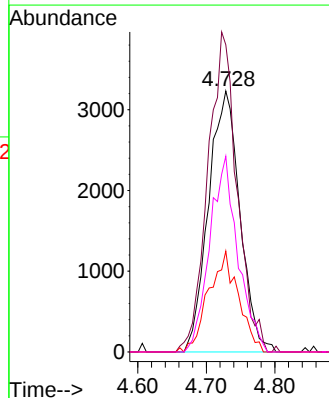
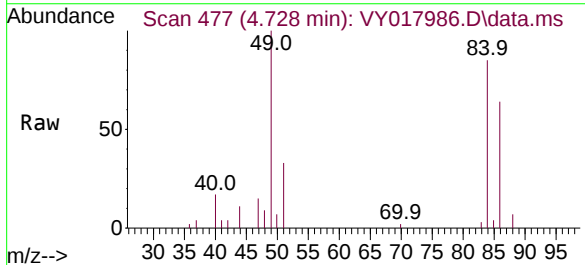
Ion Ratio Lower Upper

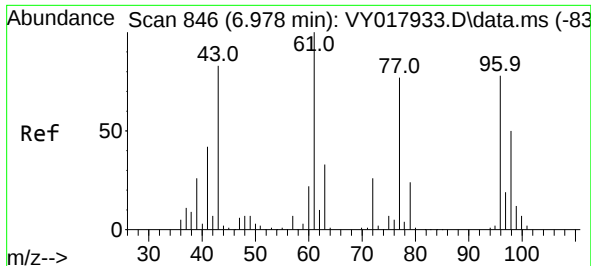
84 100

49 117.7 84.4 126.6

51 38.6 26.0 39.0

86 75.0 49.5 74.3#

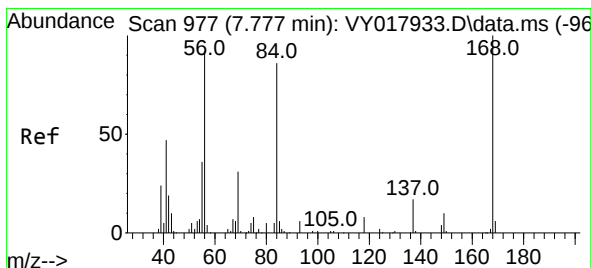
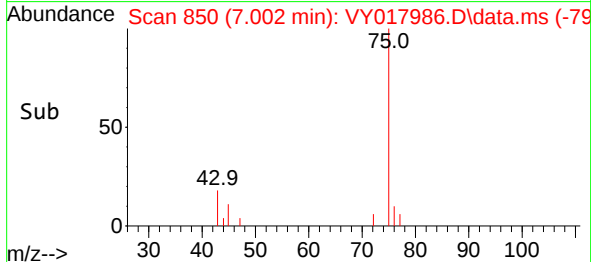
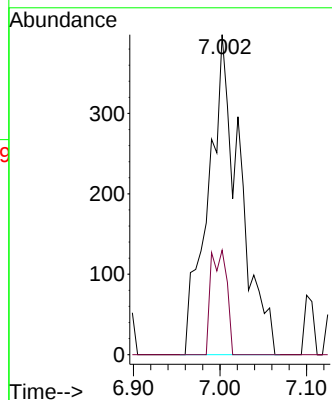
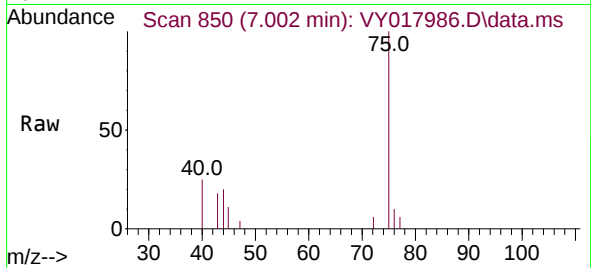




#25
2-Butanone
Concen: 1.22 ug/l
RT: 7.002 min Scan# 81
Delta R.T. 0.018 min
Lab File: VY017986.D
Acq: 18 Apr 2024 19:13

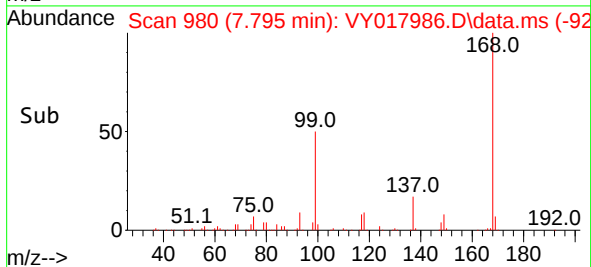
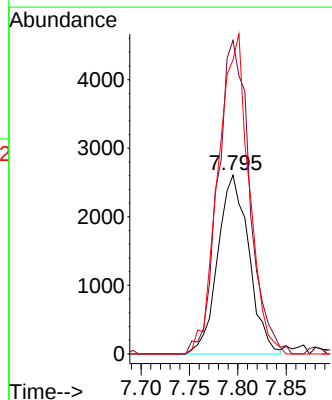
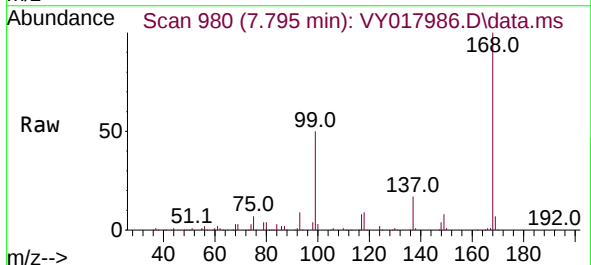
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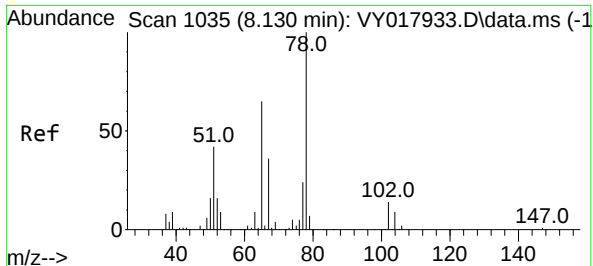
Tgt Ion: 43 Resp: 1022
Ion Ratio Lower Upper
43 100
72 32.7 27.3 40.9



#31
Cyclohexane
Concen: 1.06 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.012 min
Lab File: VY017986.D
Acq: 18 Apr 2024 19:13

Tgt Ion: 56 Resp: 5825
Ion Ratio Lower Upper
56 100
69 175.5 28.7 43.1#
84 164.5 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 56.59 ug/l

RT: 8.149 min Scan# 1035

Delta R.T. 0.006 min

Lab File: VY017986.D

Acq: 18 Apr 2024 19:13

Instrument :

MSVOA_Y

ClientSampleId :

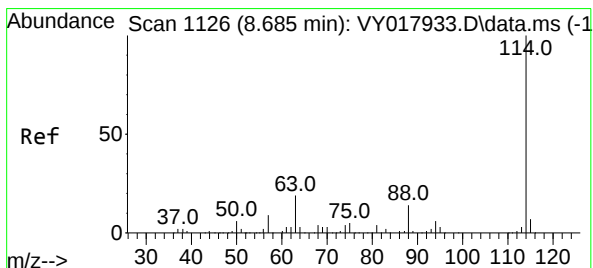
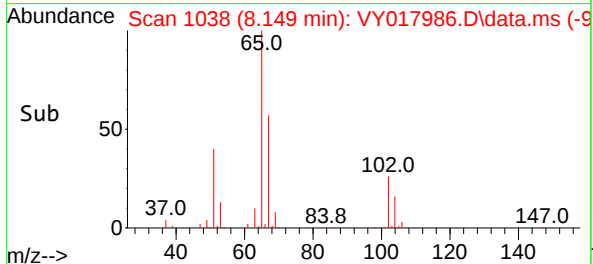
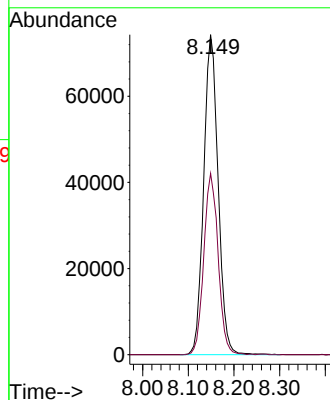
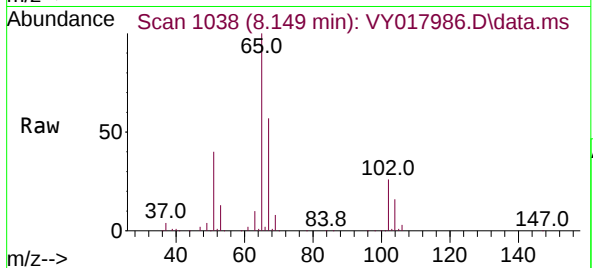
LKWD-BACKFILL-20

Tgt Ion: 65 Resp: 162769

Ion Ratio Lower Upper

65 100

67 56.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY017986.D

Acq: 18 Apr 2024 19:13

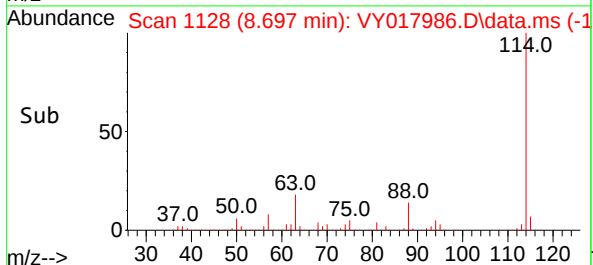
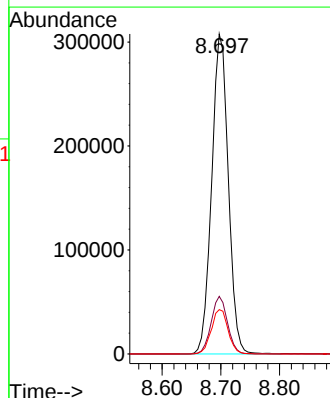
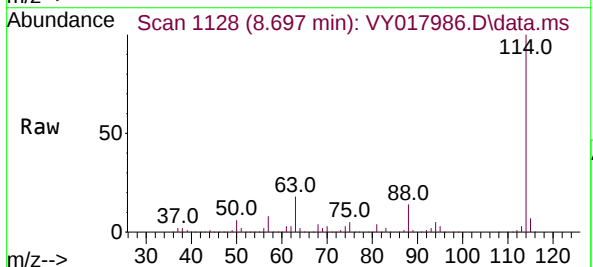
Tgt Ion: 114 Resp: 604613

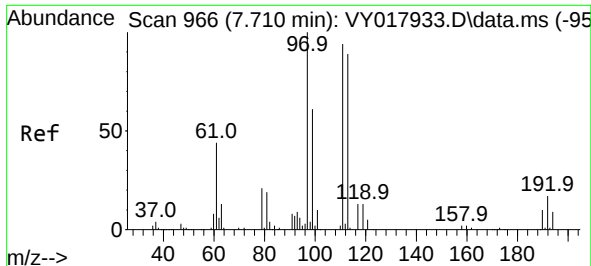
Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.0

88 13.9 0.0 27.2

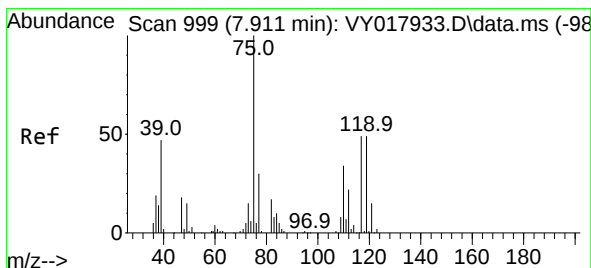
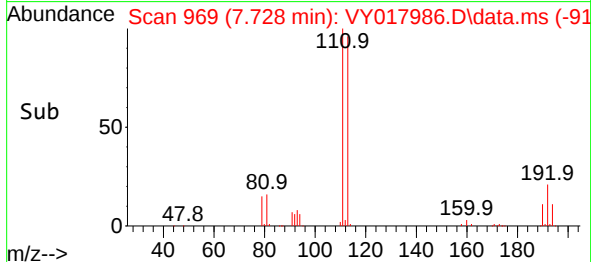
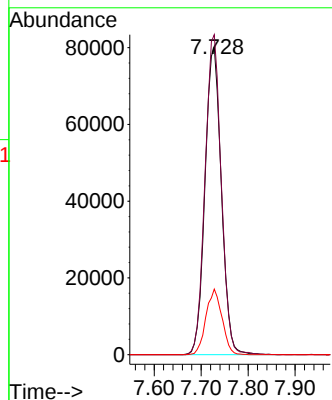
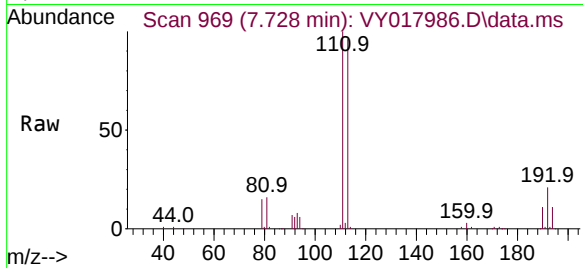




#35
Dibromofluoromethane
Concen: 51.81 ug/l
RT: 7.728 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017986.D
Acq: 18 Apr 2024 19:13

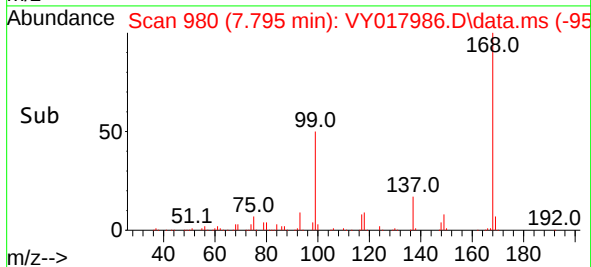
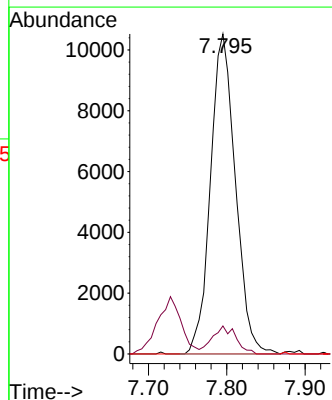
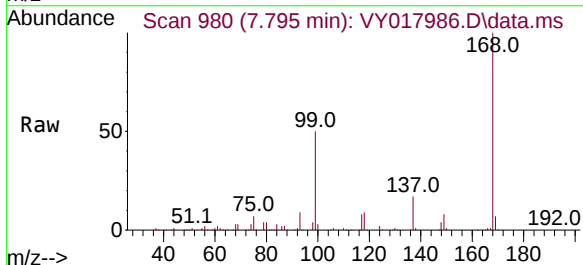
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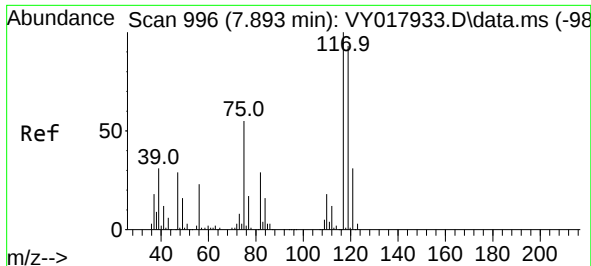
Tgt Ion:113 Resp: 193244
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.4
192 20.9 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.30 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY017986.D
Acq: 18 Apr 2024 19:13

Tgt Ion: 75 Resp: 23320
Ion Ratio Lower Upper
75 100
110 8.3 19.0 57.0#
77 0.0 25.3 37.9#

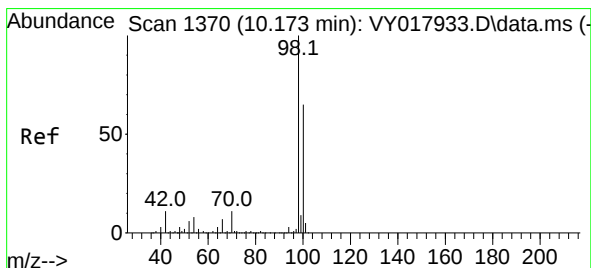
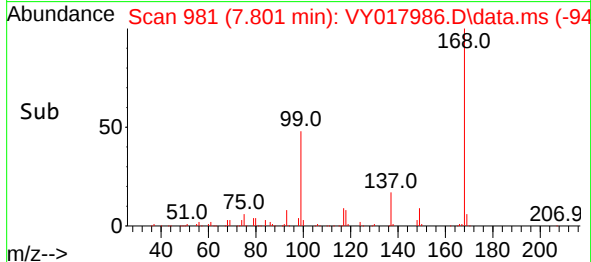
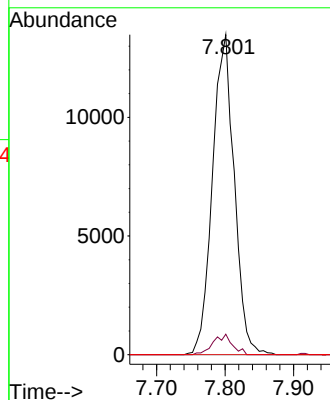
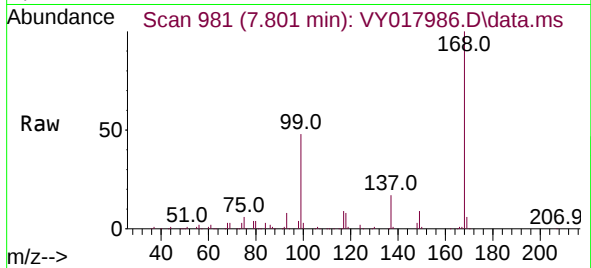




#38
Carbon Tetrachloride
Concen: 5.43 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY017986.D
Acq: 18 Apr 2024 19:13

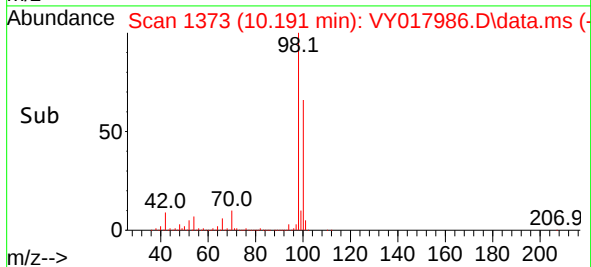
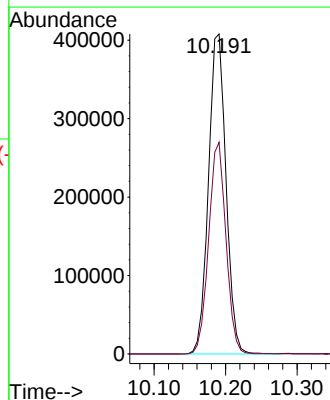
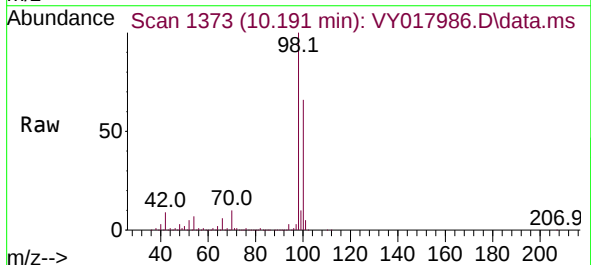
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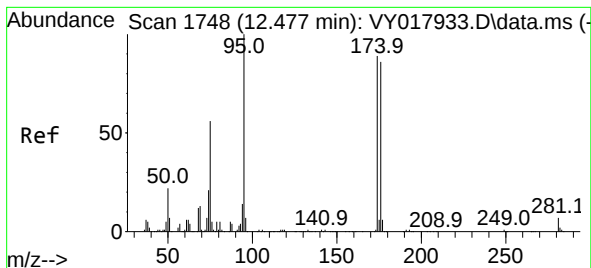
Tgt Ion:117 Resp: 29732
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.09 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.012 min
Lab File: VY017986.D
Acq: 18 Apr 2024 19:13

Tgt Ion: 98 Resp: 694825
Ion Ratio Lower Upper
98 100
100 65.4 52.0 78.0

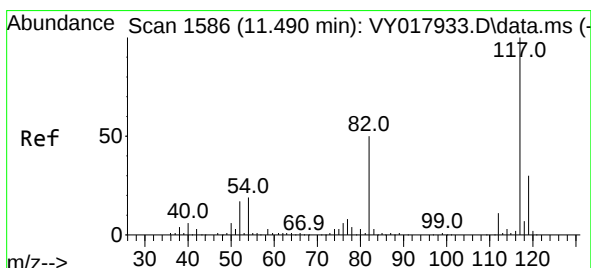
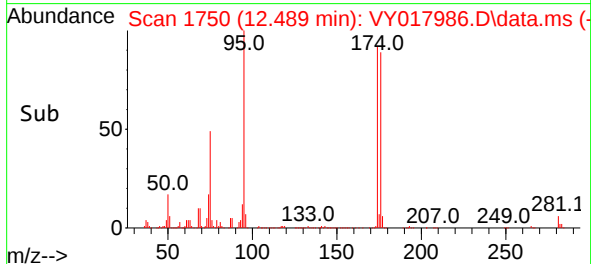
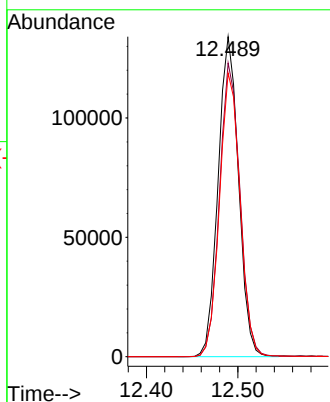
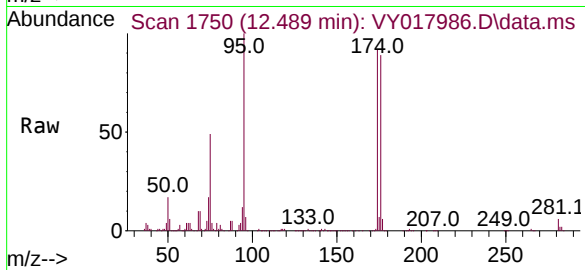




#62
4-Bromofluorobenzene
Concen: 47.55 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY017986.D
Acq: 18 Apr 2024 19:13

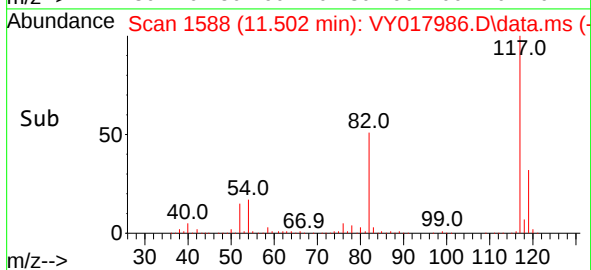
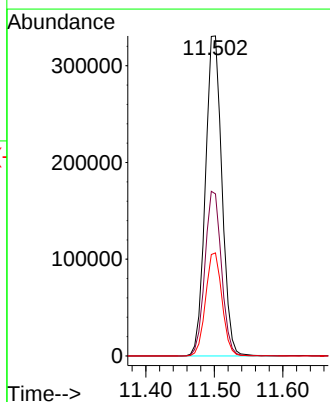
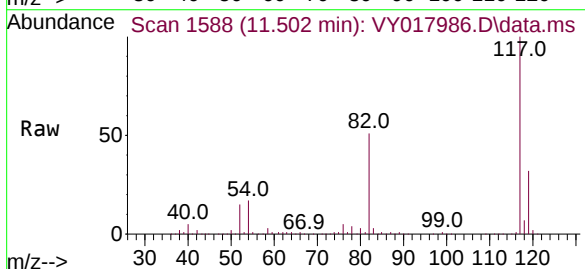
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-20

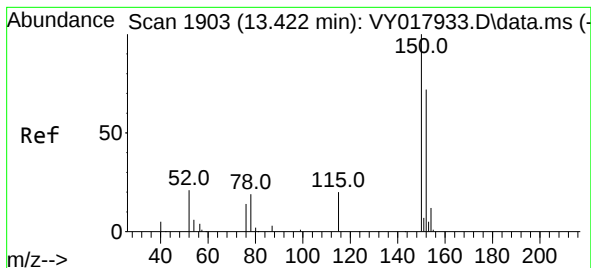
Tgt Ion: 95 Resp: 208446
Ion Ratio Lower Upper
95 100
174 92.2 0.0 175.6
176 89.4 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.012 min
Lab File: VY017986.D
Acq: 18 Apr 2024 19:13

Tgt Ion: 117 Resp: 555876
Ion Ratio Lower Upper
117 100
82 50.6 42.4 63.6
119 32.2 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.434 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY017986.D

Acq: 18 Apr 2024 19:13

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-20

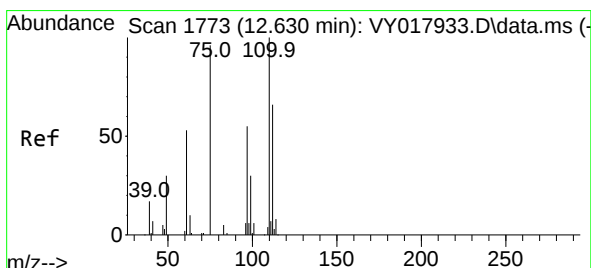
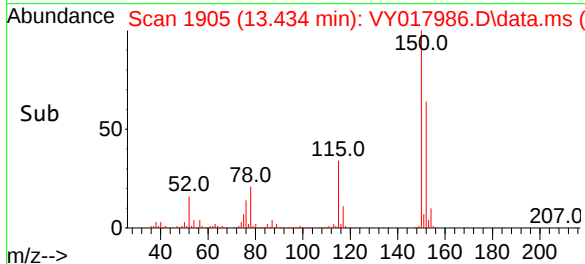
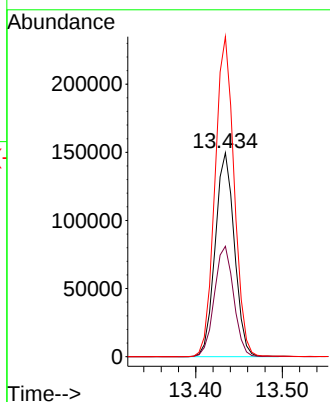
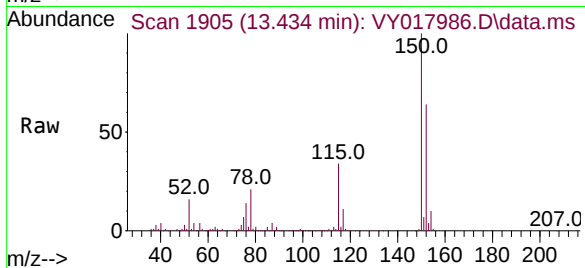
Tgt Ion:152 Resp: 230475

Ion Ratio Lower Upper

152 100

115 54.5 28.2 84.7

150 156.8 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 46.46 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY017986.D

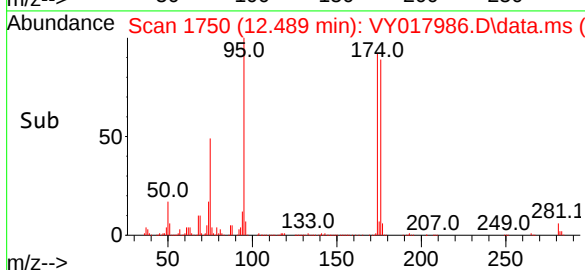
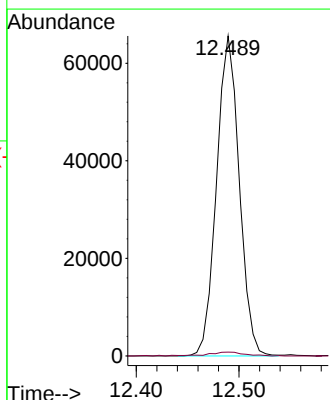
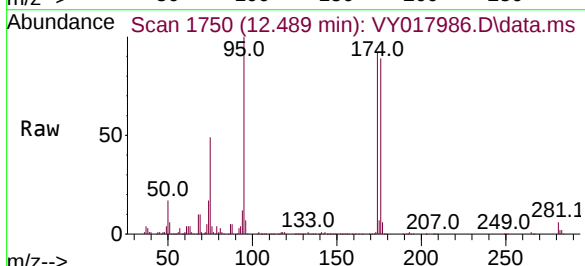
Acq: 18 Apr 2024 19:13

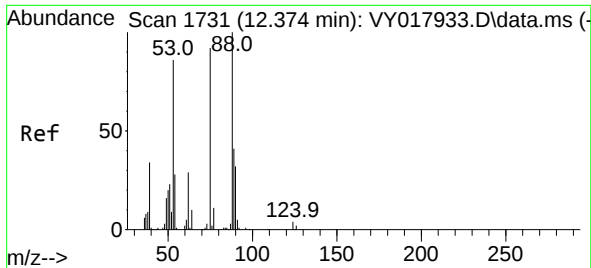
Tgt Ion: 75 Resp: 100490

Ion Ratio Lower Upper

75 100

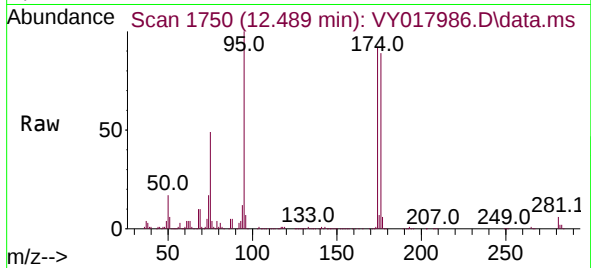
77 1.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 95.80 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY017986.D
 Acq: 18 Apr 2024 19:13

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-20



Tgt Ion: 75 Resp: 100490
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.8 100.2#
 89 0.0 35.8 53.6#

