

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041824\
 Data File : VY017987.D
 Acq On : 18 Apr 2024 19:37
 Operator : SY/MD
 Sample : P2177-05
 Misc : 3.63g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-21

Quant Time: Apr 19 02:05:18 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)

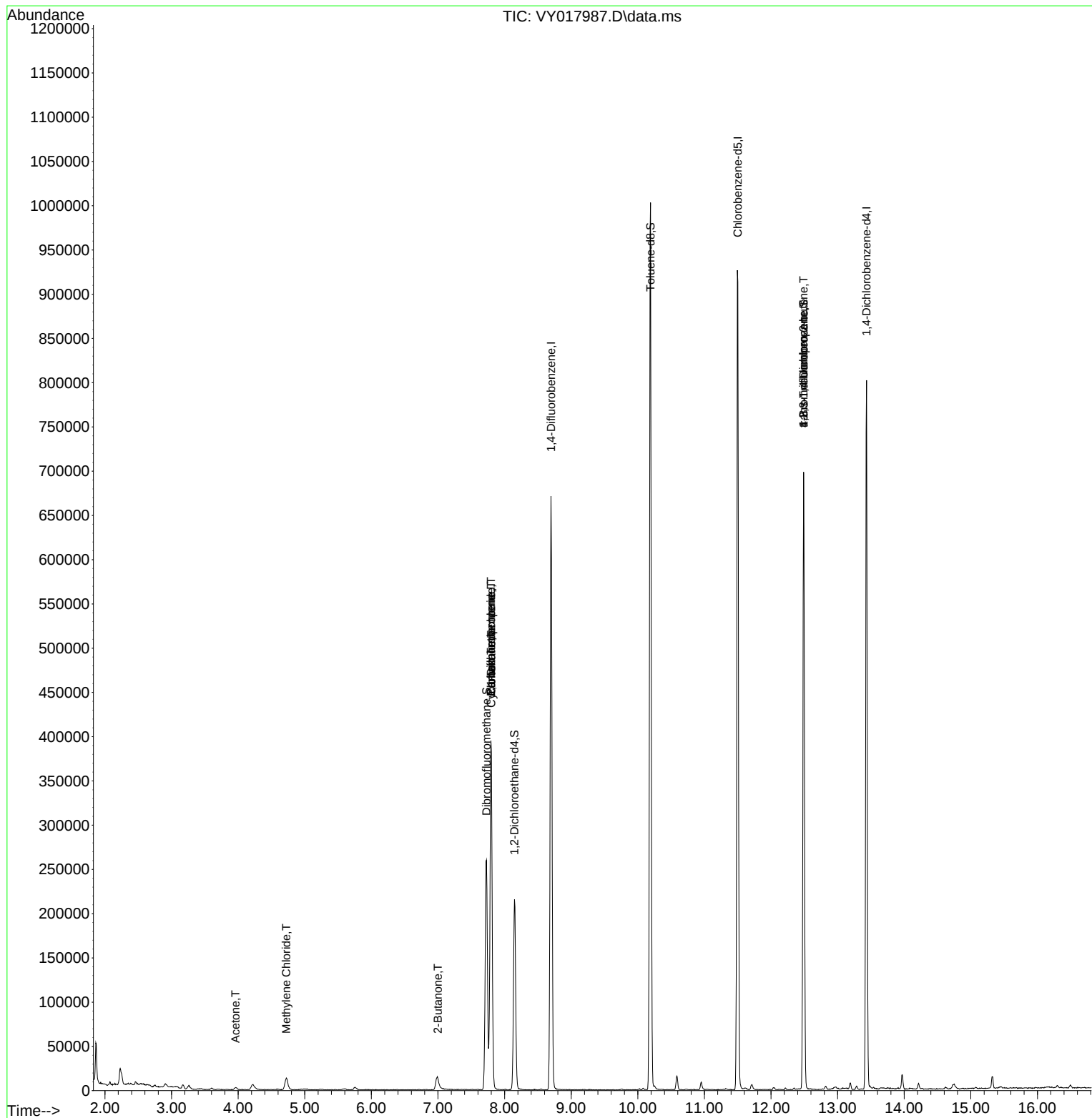
Internal Standards						
1) Pentafluorobenzene	7.795	168	332765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	599012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	552324	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.434	152	220865	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	166239	57.73	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.46%			
35) Dibromofluoromethane	7.728	113	191706	51.87	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.74%			
50) Toluene-d8	10.191	98	693428	49.45	ug/l	0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.90%			
62) 4-Bromofluorobenzene	12.489	95	205598	47.34	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 94.68%			
Target Compounds						
11) Tert butyl alcohol	4.948	59	639	Below Cal	#	88
16) Acetone	3.960	43	4251	7.47	ug/l	88
20) Methylene Chloride	4.722	84	10699	2.78	ug/l	94
25) 2-Butanone	6.996	43	959	1.15	ug/l #	64
31) Cyclohexane	7.801	56	5631	1.02	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	23642	4.40	ug/l #	47
38) Carbon Tetrachloride	7.795	117	29159	5.37	ug/l #	16
76) 1,2,3-Trichloropropane	12.489	75	98984	47.76	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	98984	98.47	ug/l #	16

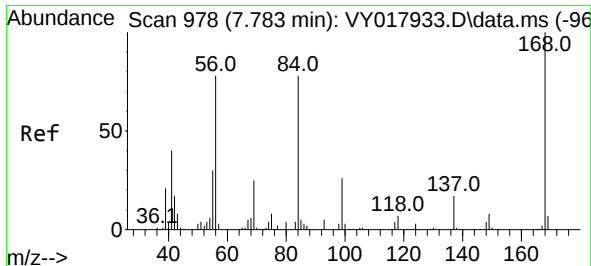
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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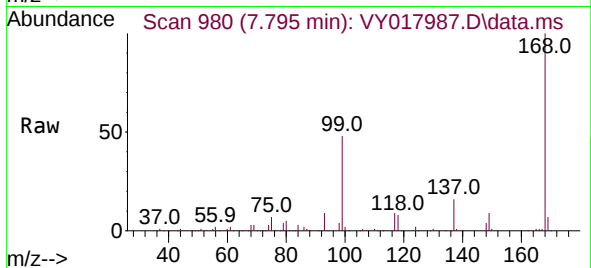
Quant Time: Apr 19 02:05:18 2024
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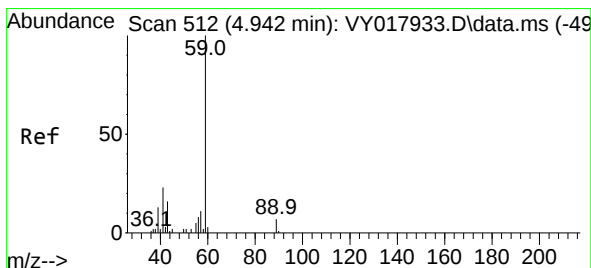
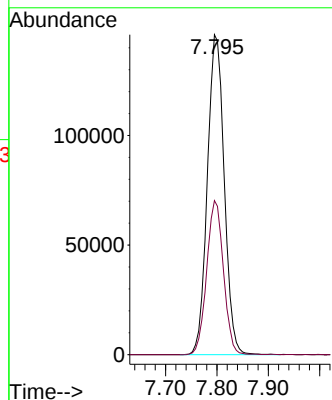
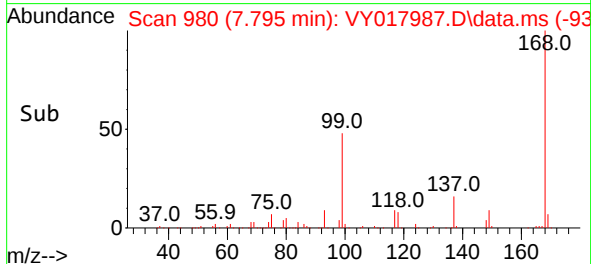


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017987.D
Acq: 18 Apr 2024 19:37

Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-21

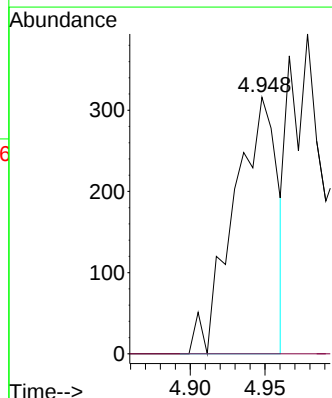
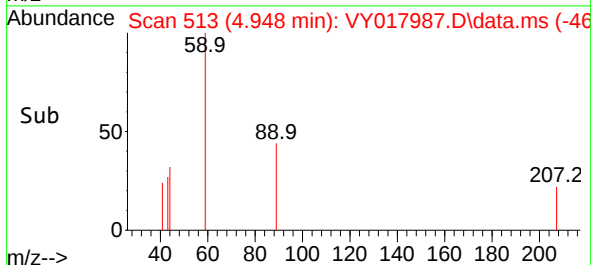
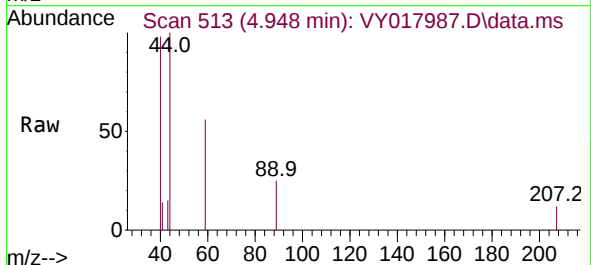


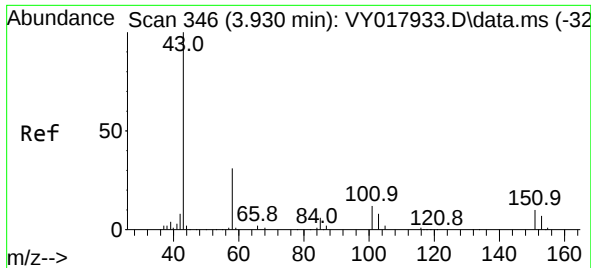
Tgt Ion:168 Resp: 332765
Ion Ratio Lower Upper
168 100
99 48.2 39.1 58.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY017987.D
Acq: 18 Apr 2024 19:37

Tgt Ion: 59 Resp: 639
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 7.47 ug/l

RT: 3.960 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY017987.D

Acq: 18 Apr 2024 19:37

Instrument :

MSVOA_Y

ClientSampleId :

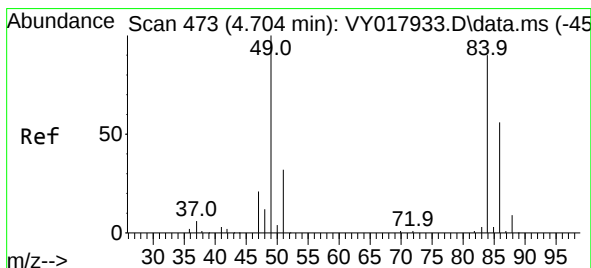
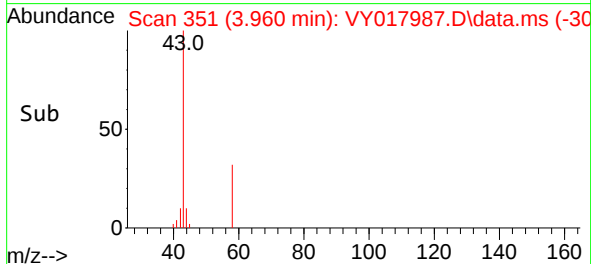
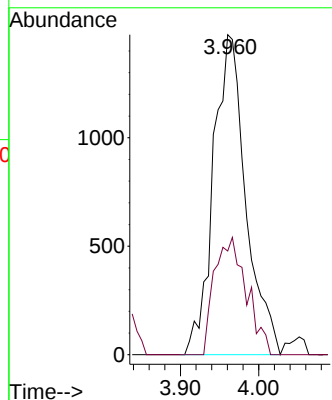
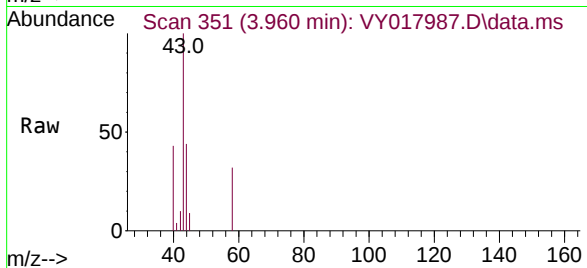
LKWD-BACKFILL-21

Tgt Ion: 43 Resp: 4251

Ion Ratio Lower Upper

43 100

58 32.4 31.7 47.5



#20

Methylene Chloride

Concen: 2.78 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY017987.D

Acq: 18 Apr 2024 19:37

Tgt Ion: 84 Resp: 10699

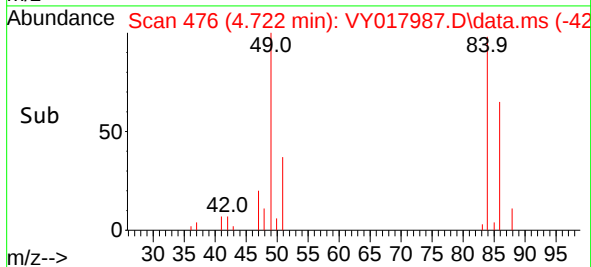
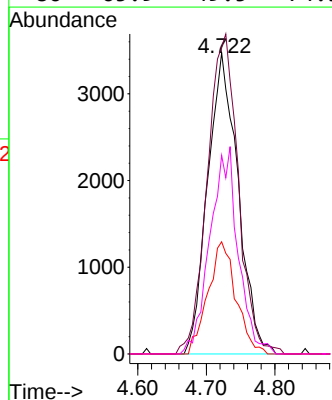
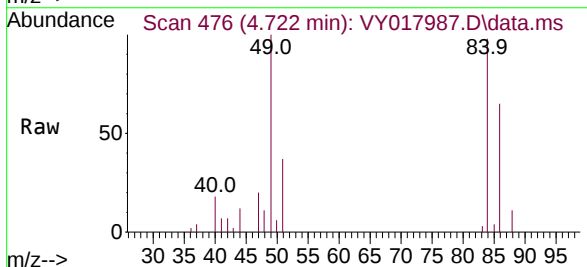
Ion Ratio Lower Upper

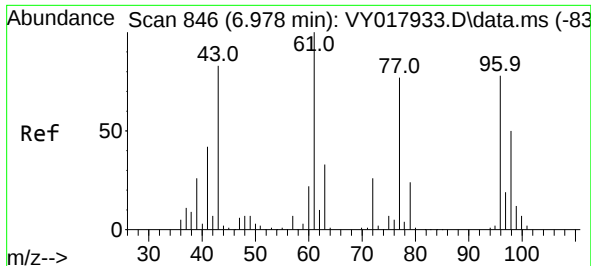
84 100

49 100.1 84.4 126.6

51 37.2 26.0 39.0

86 65.9 49.5 74.3

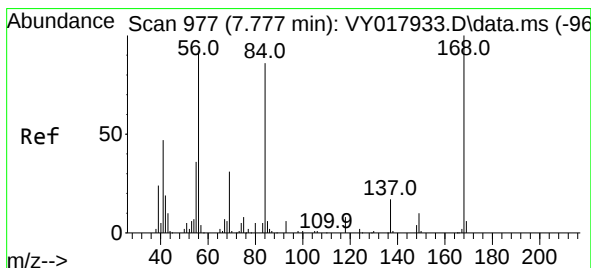
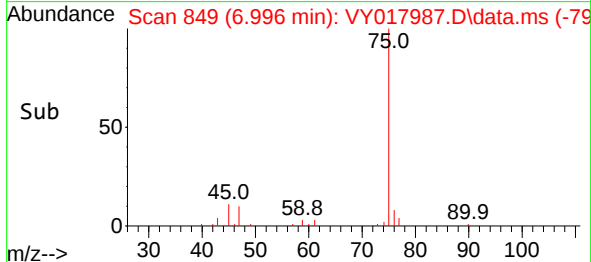
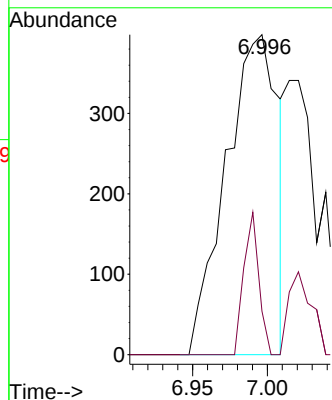
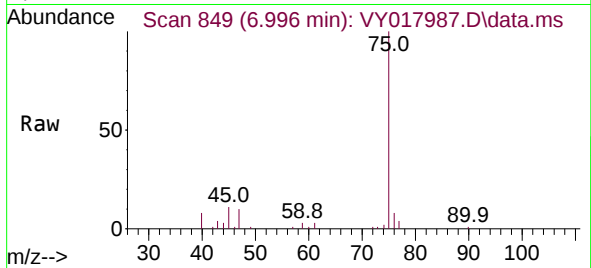




#25
2-Butanone
Concen: 1.15 ug/l
RT: 6.996 min Scan# 846
Delta R.T. 0.012 min
Lab File: VY017987.D
Acq: 18 Apr 2024 19:37

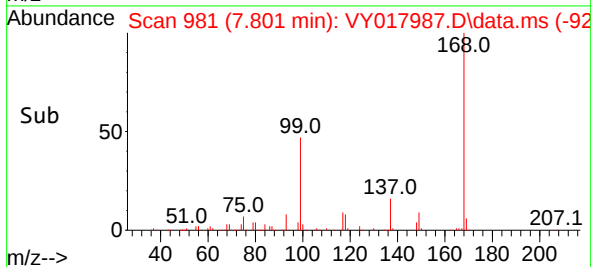
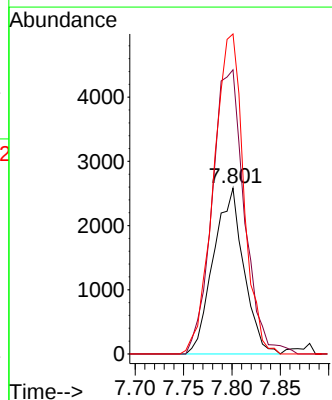
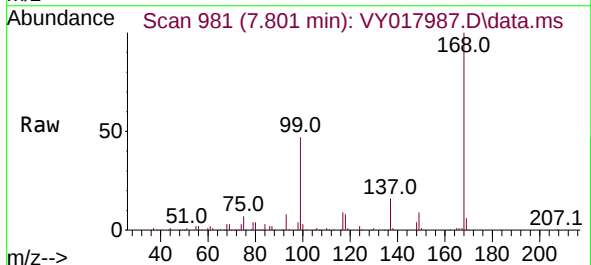
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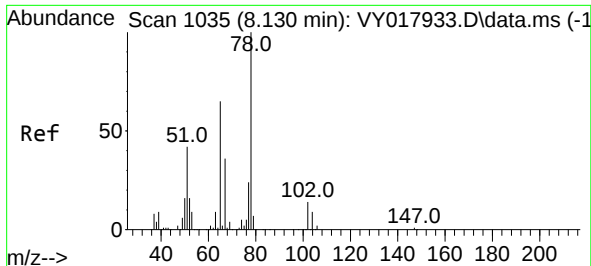
Tgt Ion: 43 Resp: 959
Ion Ratio Lower Upper
43 100
72 13.6 27.3 40.9#



#31
Cyclohexane
Concen: 1.02 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.018 min
Lab File: VY017987.D
Acq: 18 Apr 2024 19:37

Tgt Ion: 56 Resp: 5631
Ion Ratio Lower Upper
56 100
69 171.4 28.7 43.1#
84 193.1 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 57.73 ug/l

RT: 8.149 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY017987.D

Acq: 18 Apr 2024 19:37

Instrument :

MSVOA_Y

ClientSampleId :

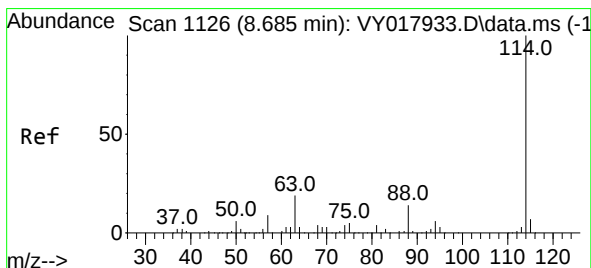
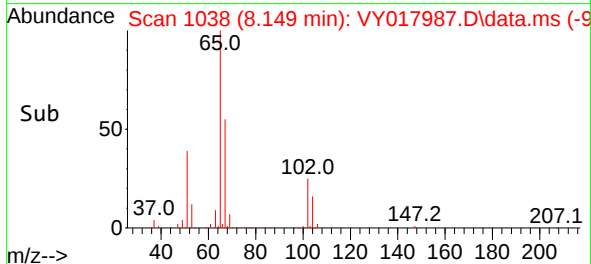
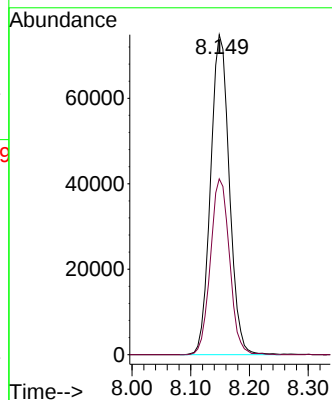
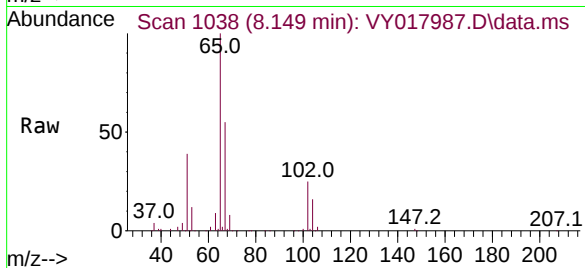
LKWD-BACKFILL-21

Tgt Ion: 65 Resp: 166239

Ion Ratio Lower Upper

65 100

67 55.8 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: VY017987.D

Acq: 18 Apr 2024 19:37

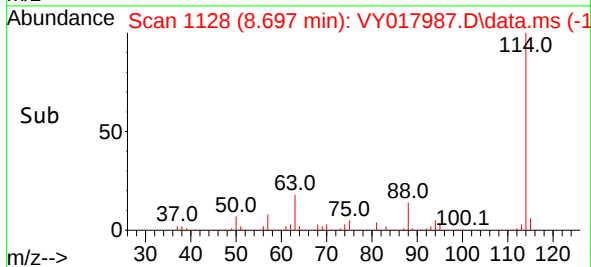
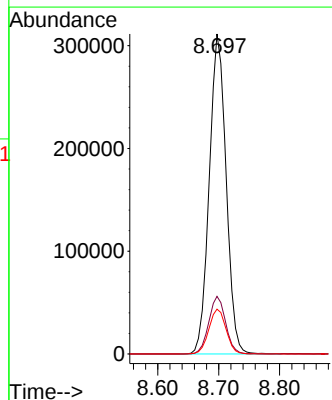
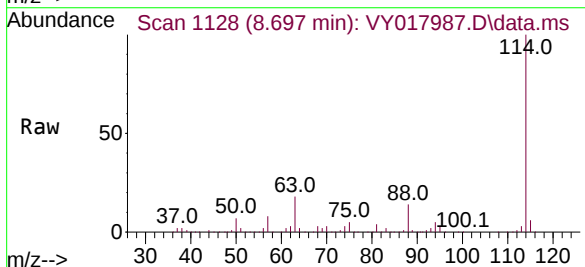
Tgt Ion: 114 Resp: 599012

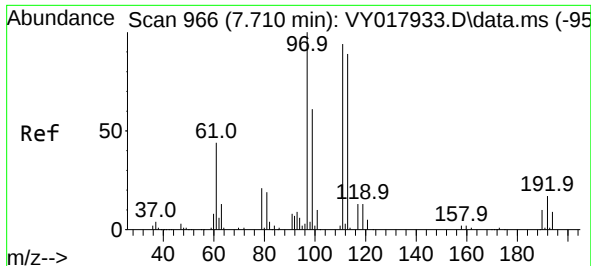
Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.0

88 14.0 0.0 27.2

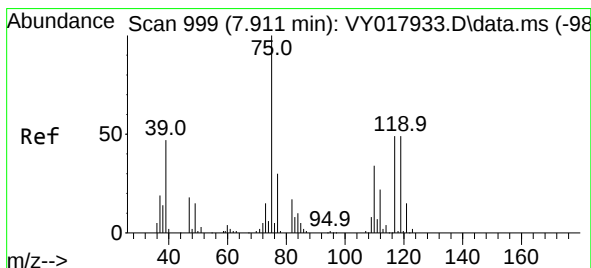
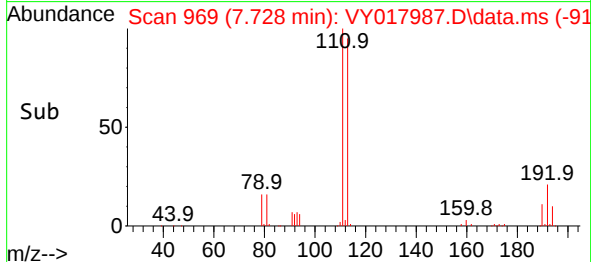
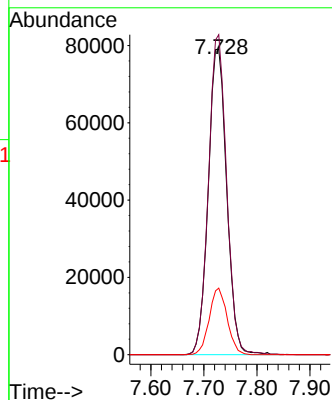
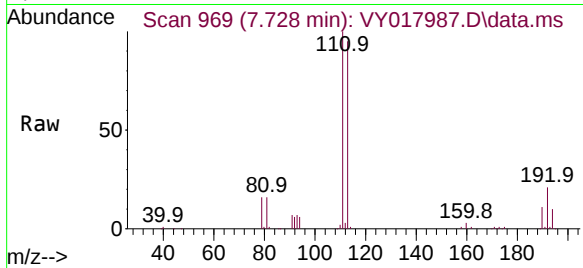




#35
Dibromofluoromethane
Concen: 51.87 ug/l
RT: 7.728 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY017987.D
Acq: 18 Apr 2024 19:37

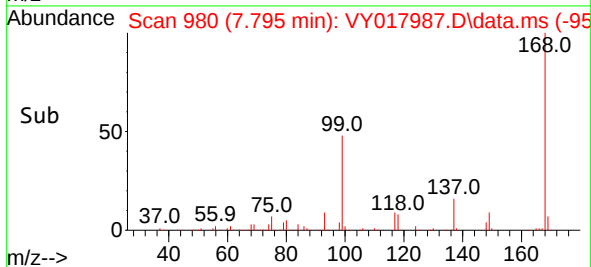
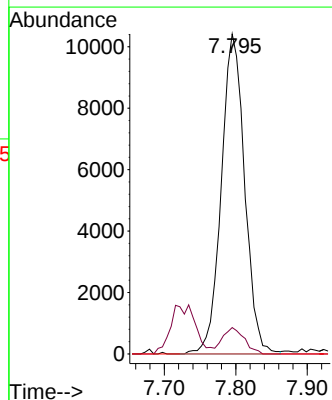
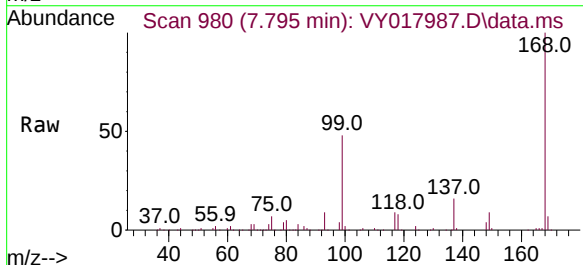
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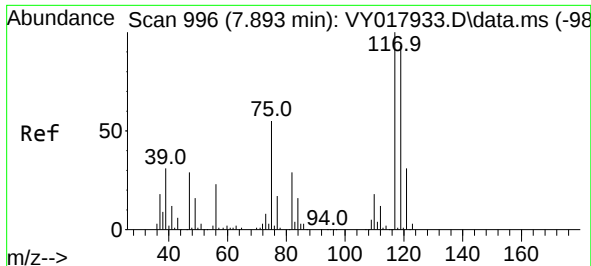
Tgt Ion:113 Resp: 191706
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.4
192 21.2 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.40 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY017987.D
Acq: 18 Apr 2024 19:37

Tgt Ion: 75 Resp: 23642
Ion Ratio Lower Upper
75 100
110 7.5 19.0 57.0#
77 0.0 25.3 37.9#

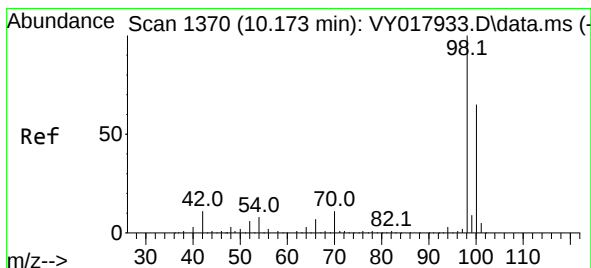
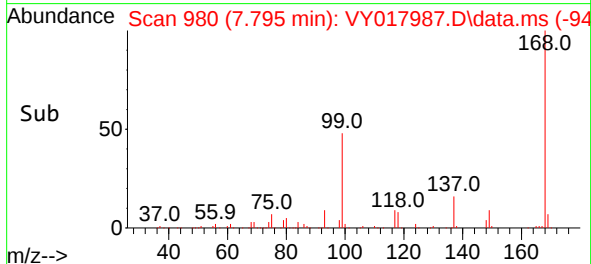
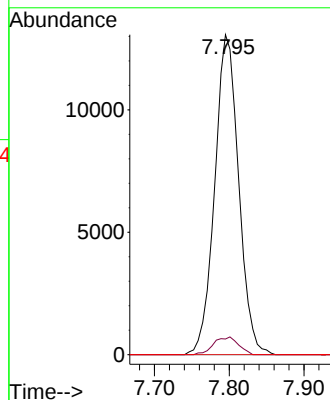
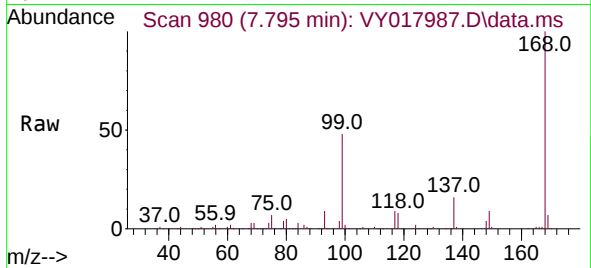




#38
Carbon Tetrachloride
Concen: 5.37 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY017987.D
Acq: 18 Apr 2024 19:37

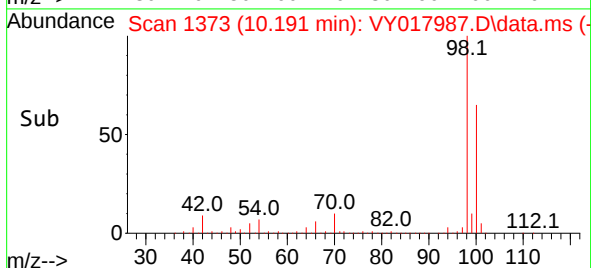
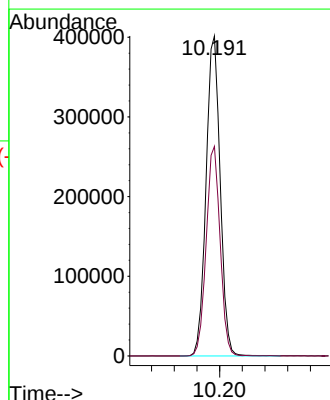
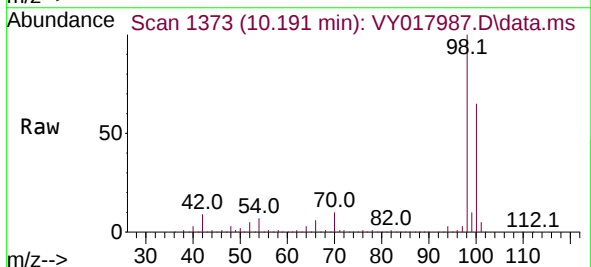
Instrument :
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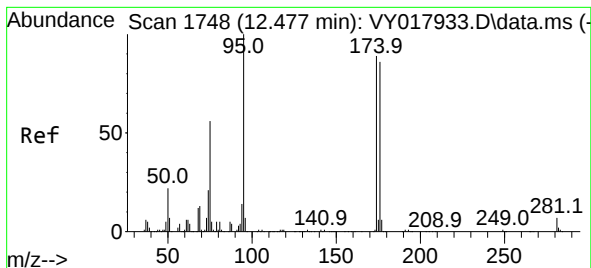
Tgt Ion:117 Resp: 29159
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 49.45 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.012 min
Lab File: VY017987.D
Acq: 18 Apr 2024 19:37

Tgt Ion: 98 Resp: 693428
Ion Ratio Lower Upper
98 100
100 64.6 52.0 78.0

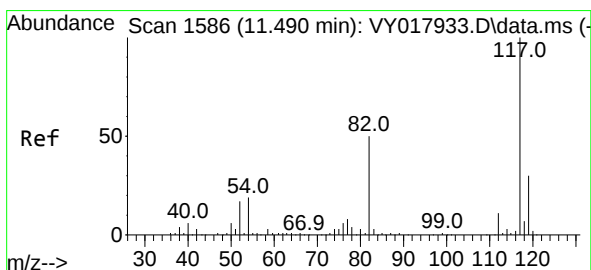
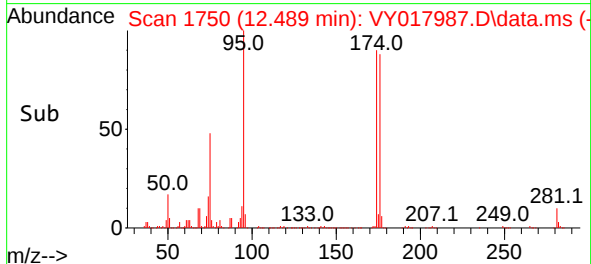
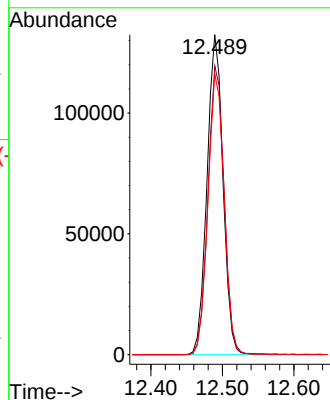
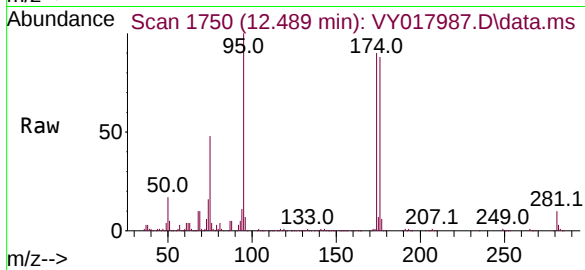




#62
4-Bromofluorobenzene
Concen: 47.34 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY017987.D
Acq: 18 Apr 2024 19:37

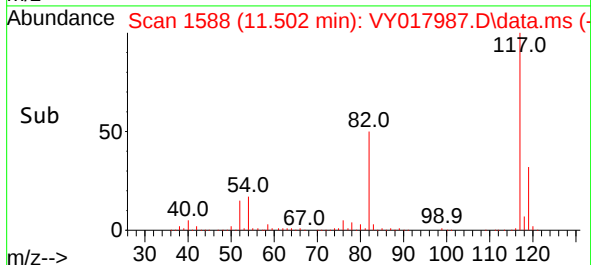
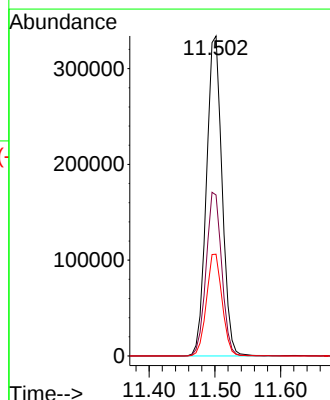
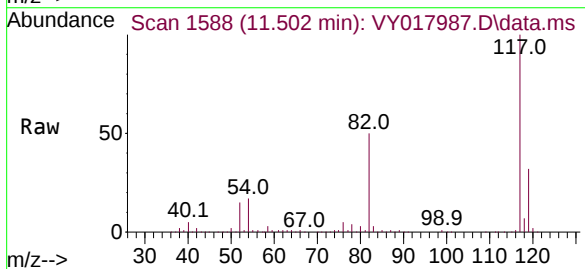
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-21

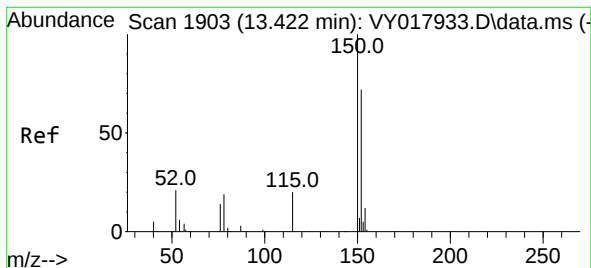
Tgt Ion: 95 Resp: 205598
Ion Ratio Lower Upper
95 100
174 92.0 0.0 175.6
176 88.8 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.012 min
Lab File: VY017987.D
Acq: 18 Apr 2024 19:37

Tgt Ion: 117 Resp: 552324
Ion Ratio Lower Upper
117 100
82 50.3 42.4 63.6
119 31.8 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY017987.D

Acq: 18 Apr 2024 19:37

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-21

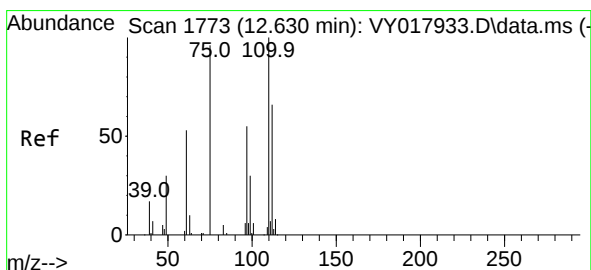
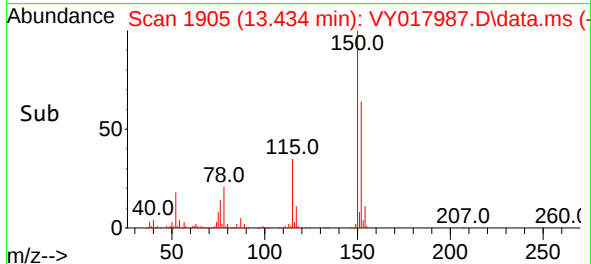
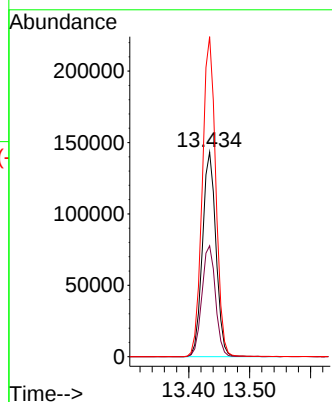
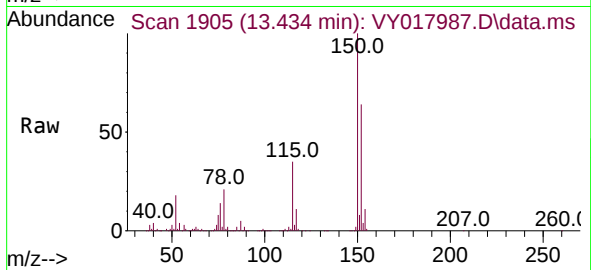
Tgt Ion:152 Resp: 220865

Ion Ratio Lower Upper

152 100

115 54.7 28.2 84.7

150 156.2 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 47.76 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY017987.D

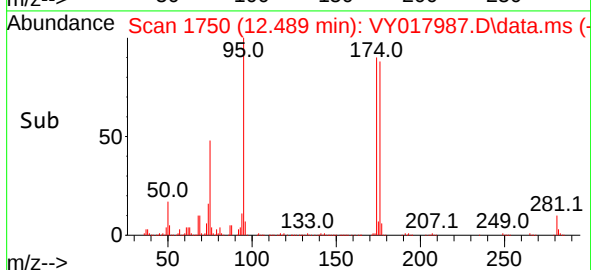
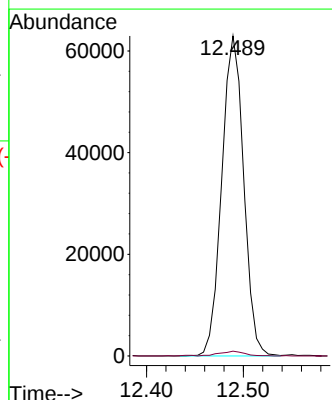
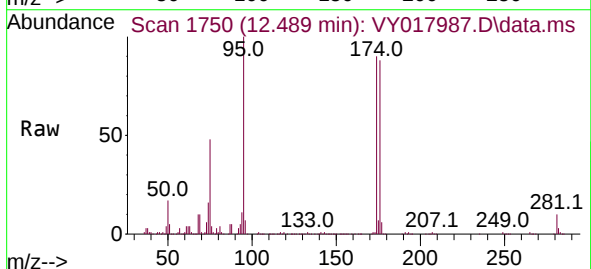
Acq: 18 Apr 2024 19:37

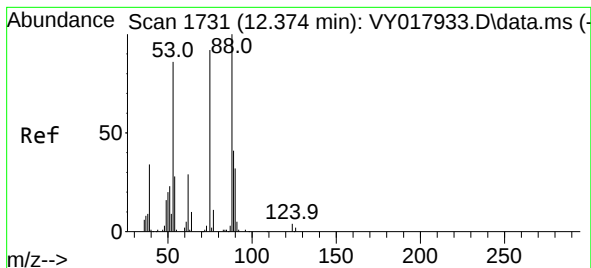
Tgt Ion: 75 Resp: 98984

Ion Ratio Lower Upper

75 100

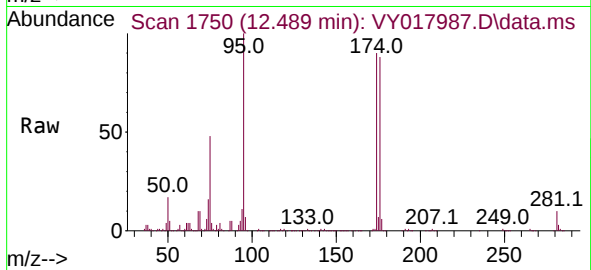
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 98.47 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY017987.D
 Acq: 18 Apr 2024 19:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-21



Tgt Ion: 75 Resp: 98984
 Ion Ratio Lower Upper
 75 100
 53 0.1 66.8 100.2#
 89 0.0 35.8 53.6#

