

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072523\
 Data File : VY014829.D
 Acq On : 26 Jul 2023 02:45
 Operator : SY/MD
 Sample : 03741-10
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P27A

Quant Time: Jul 26 04:25:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	145790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	248989	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.495	117	231127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	109126	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	85455	51.438	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.880%
35) Dibromofluoromethane	7.728	113	77790	49.079	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.160%
50) Toluene-d8	10.185	98	297339	50.883	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.760%
62) 4-Bromofluorobenzene	12.483	95	107256	47.868	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.740%

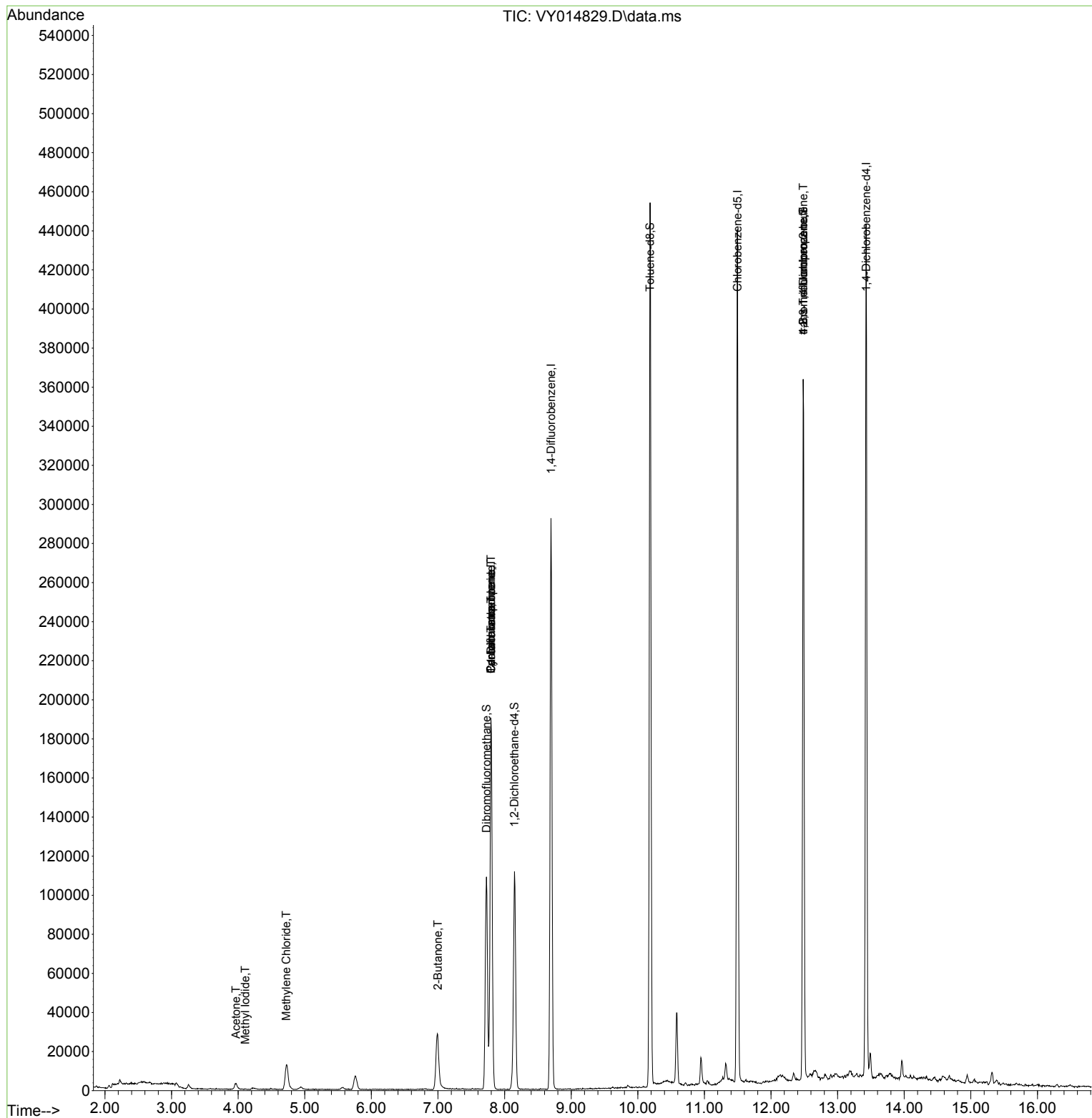
Target Compounds					Qvalue	
10) Methyl Iodide	4.106	142	148	2.456	ug/l #	38
11) Tert butyl alcohol	4.942	59	1526	Below Cal	#	89
16) Acetone	3.966	43	5627	10.688	ug/l #	86
20) Methylene Chloride	4.722	84	9748	1.613	ug/l	91
25) 2-Butanone	6.996	43	1873	2.432	ug/l #	77
31) Cyclohexane	7.795	56	3166	1.148	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	11751	4.958	ug/l #	51
38) Carbon Tetrachloride	7.795	117	14571	5.815	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	57437	41.674	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	57437	80.689	ug/l #	11

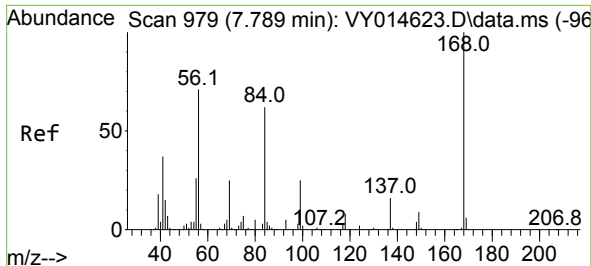
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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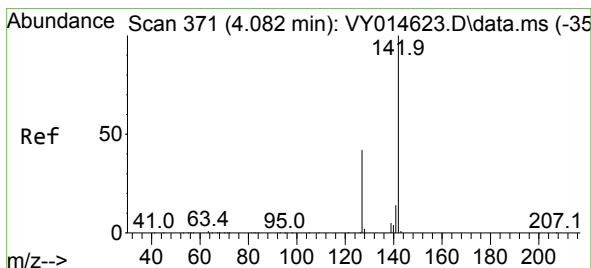
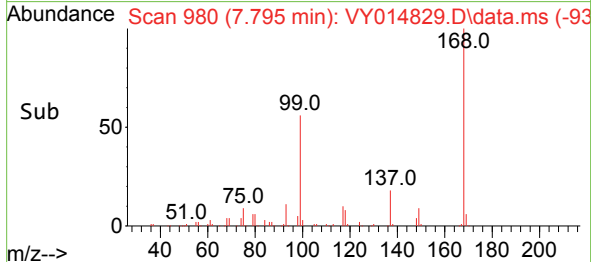
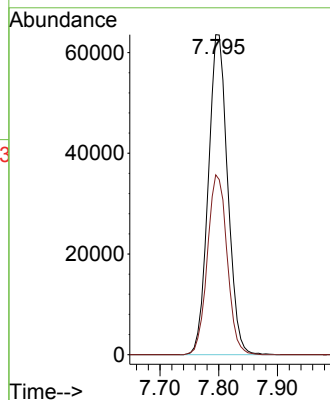
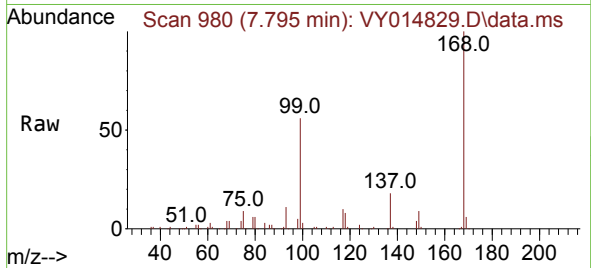




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014829.D
Acq: 26 Jul 2023 02:45

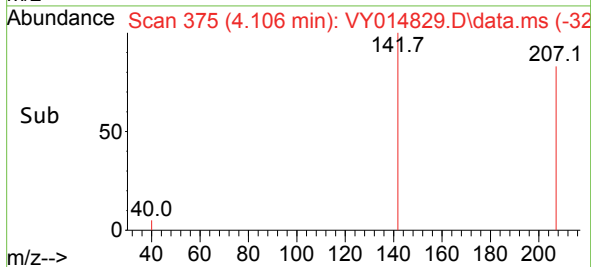
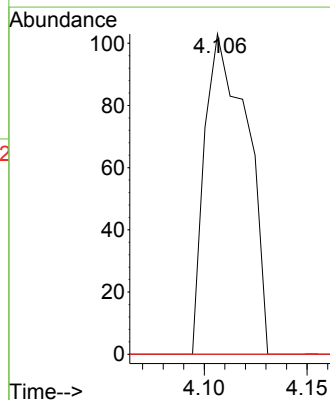
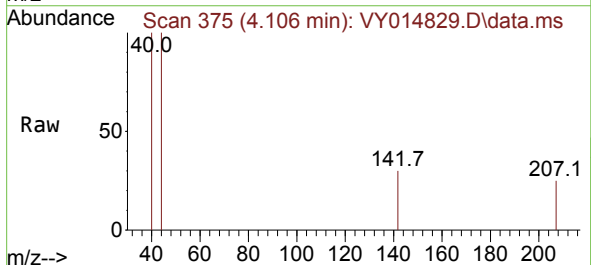
Instrument :
MSVOA_Y
ClientSampleId :
B-P27A

Tgt Ion:168 Resp: 145790
Ion Ratio Lower Upper
168 100
99 56.2 43.4 65.0



#10
Methyl Iodide
Concen: 2.456 ug/l
RT: 4.106 min Scan# 375
Delta R.T. 0.024 min
Lab File: VY014829.D
Acq: 26 Jul 2023 02:45

Tgt Ion:142 Resp: 148
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

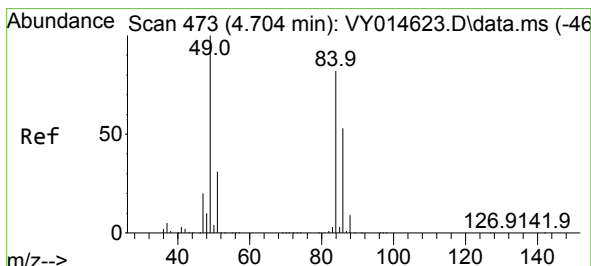
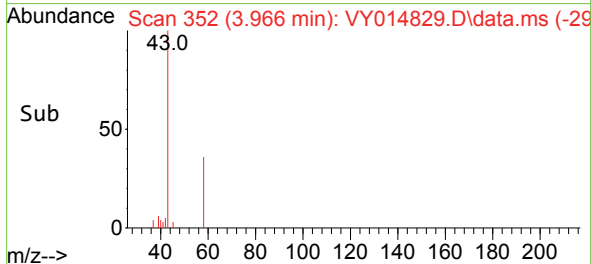
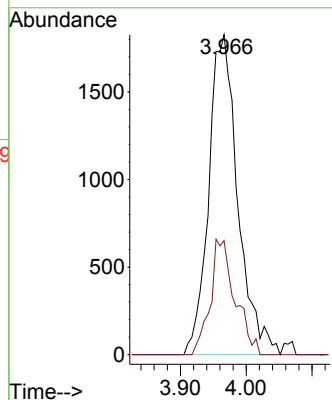
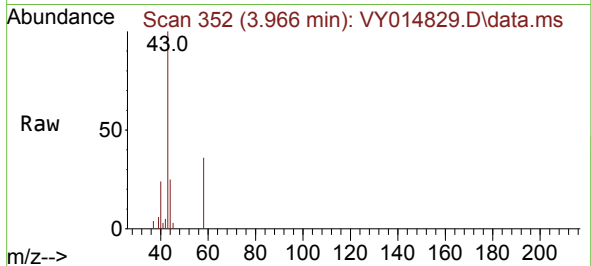




#16
Acetone
Concen: 10.688 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.024 min
Lab File: VY014829.D
Acq: 26 Jul 2023 02:45

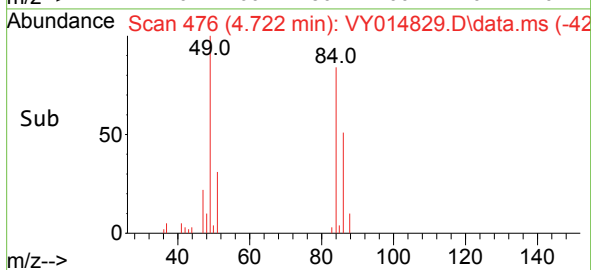
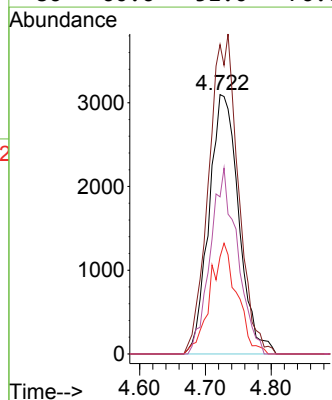
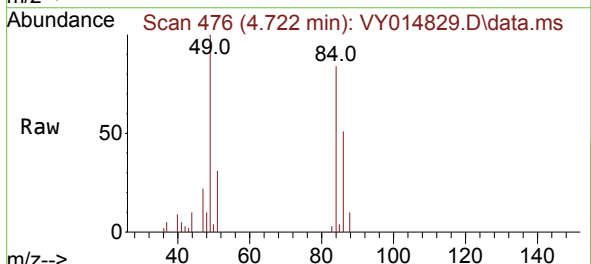
Instrument :
MSVOA_Y
ClientSampleId :
B-P27A

Tgt Ion: 43 Resp: 5627
Ion Ratio Lower Upper
43 100
58 35.6 22.7 34.1#



#20
Methylene Chloride
Concen: 1.613 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.018 min
Lab File: VY014829.D
Acq: 26 Jul 2023 02:45

Tgt Ion: 84 Resp: 9748
Ion Ratio Lower Upper
84 100
49 119.3 106.9 160.3
51 37.5 33.2 49.8
86 60.6 51.0 76.6

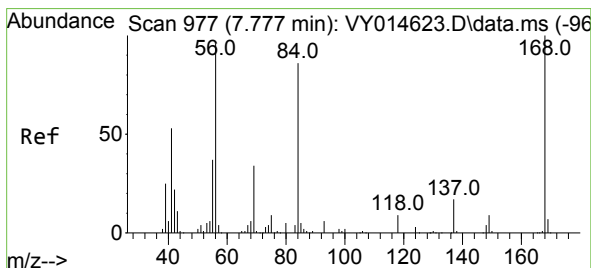
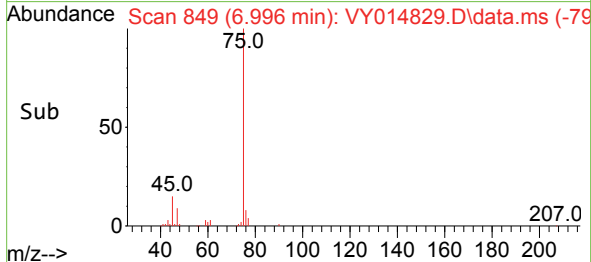
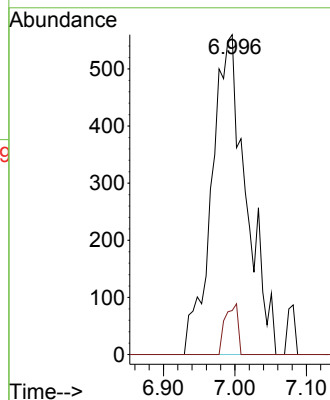
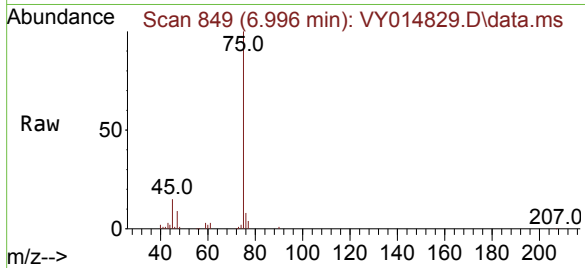




#25
2-Butanone
Concen: 2.432 ug/l
RT: 6.996 min Scan# 84
Delta R.T. 0.018 min
Lab File: VY014829.D
Acq: 26 Jul 2023 02:45

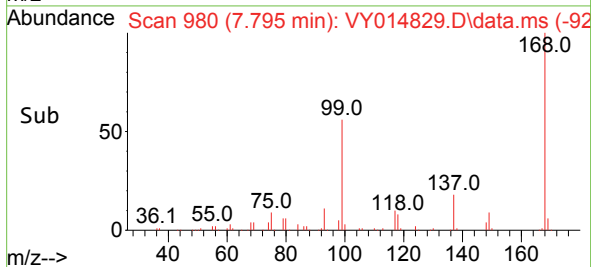
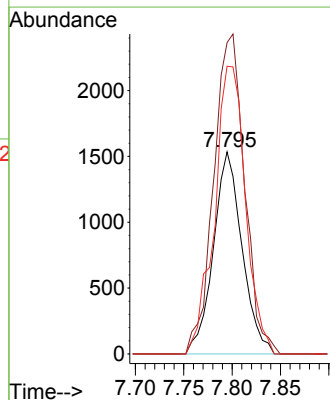
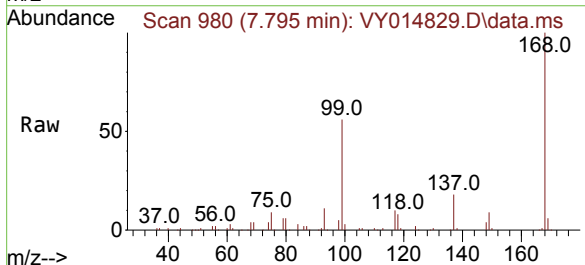
Instrument :
MSVOA_Y
ClientSampleId :
B-P27A

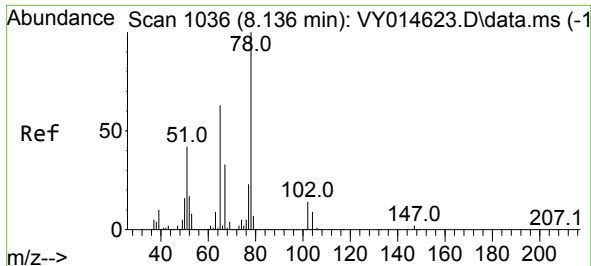
Tgt Ion: 43 Resp: 1873
Ion Ratio Lower Upper
43 100
72 13.7 20.5 30.7#



#31
Cyclohexane
Concen: 1.148 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.018 min
Lab File: VY014829.D
Acq: 26 Jul 2023 02:45

Tgt Ion: 56 Resp: 3166
Ion Ratio Lower Upper
56 100
69 154.2 27.8 41.6#
84 142.4 66.4 99.6#

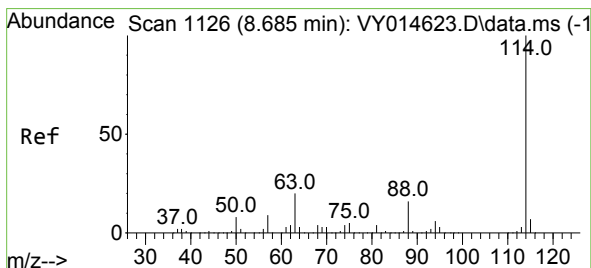
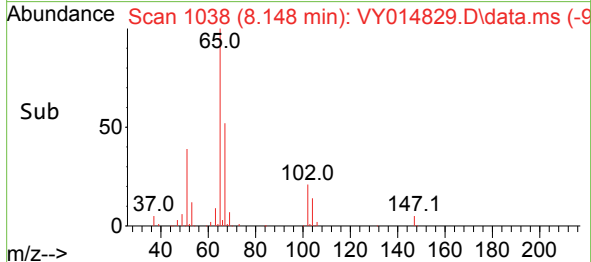
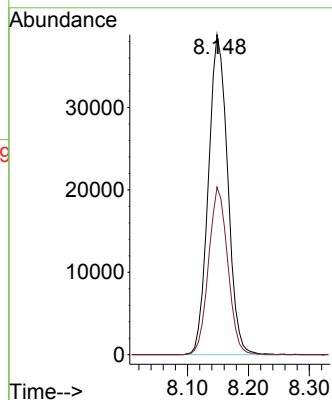
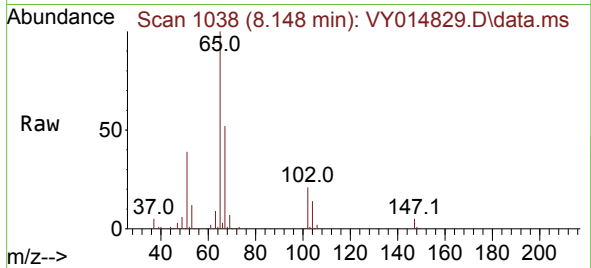




#33
 1,2-Dichloroethane-d4
 Concen: 51.438 ug/l
 RT: 8.148 min Scan# 1036
 Delta R.T. 0.012 min
 Lab File: VY014829.D
 Acq: 26 Jul 2023 02:45

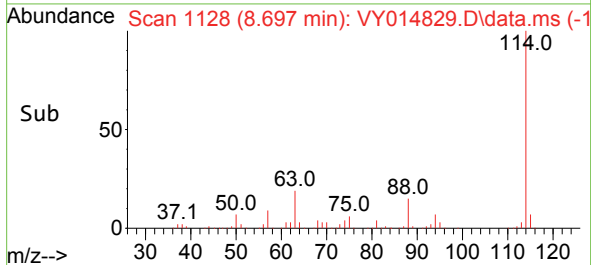
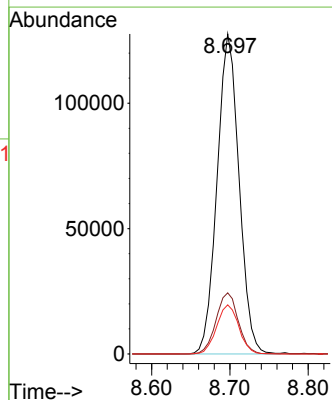
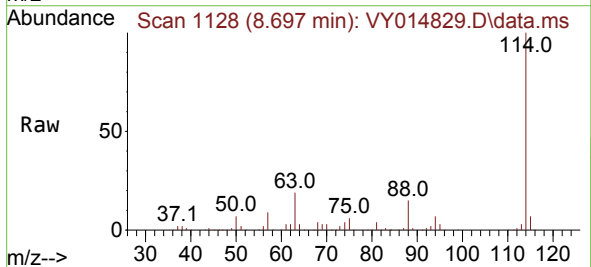
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P27A

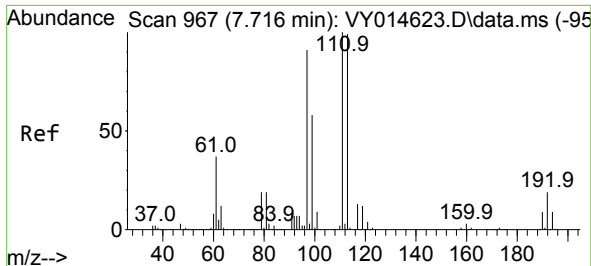
Tgt Ion: 65 Resp: 85455
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.012 min
 Lab File: VY014829.D
 Acq: 26 Jul 2023 02:45

Tgt Ion:114 Resp: 248989
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 42.4
 88 15.3 0.0 30.6

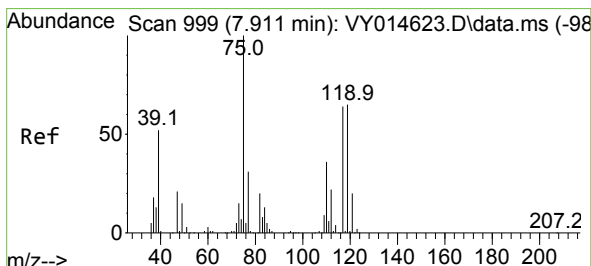
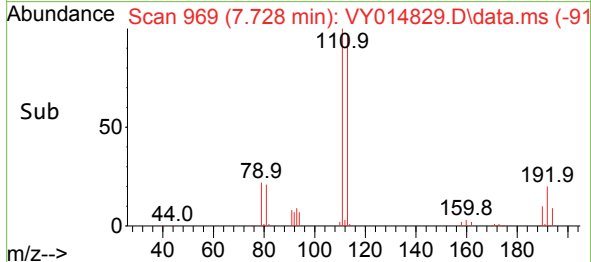
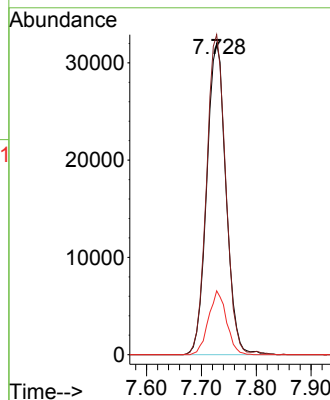
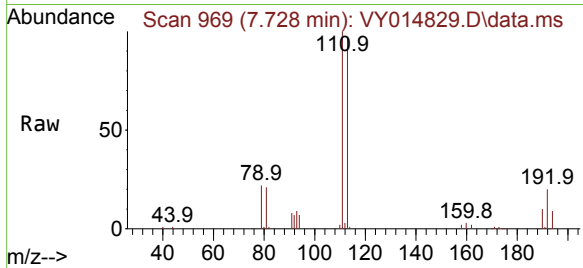




#35
Dibromofluoromethane
Concen: 49.079 ug/l
RT: 7.728 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY014829.D
Acq: 26 Jul 2023 02:45

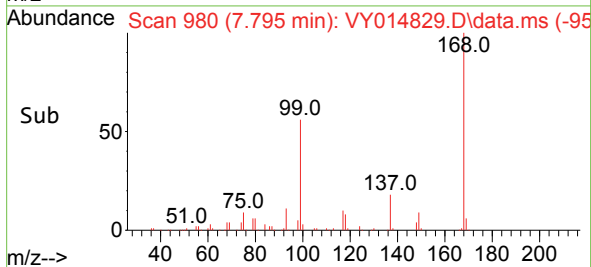
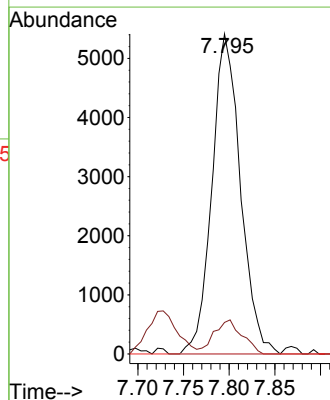
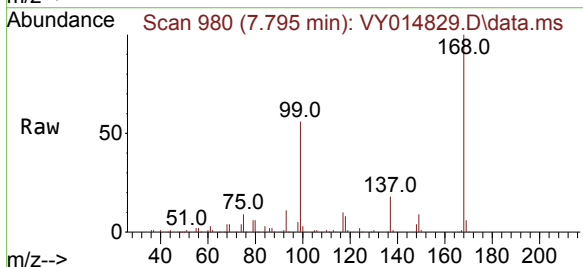
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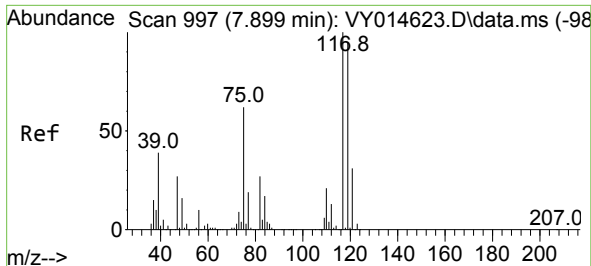
Tgt Ion:113 Resp: 77790
Ion Ratio Lower Upper
113 100
111 101.8 81.3 121.9
192 19.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.958 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY014829.D
Acq: 26 Jul 2023 02:45

Tgt Ion: 75 Resp: 11751
Ion Ratio Lower Upper
75 100
110 10.5 17.8 53.5#
77 0.0 24.4 36.6#

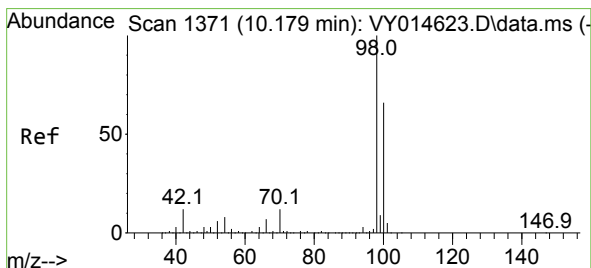
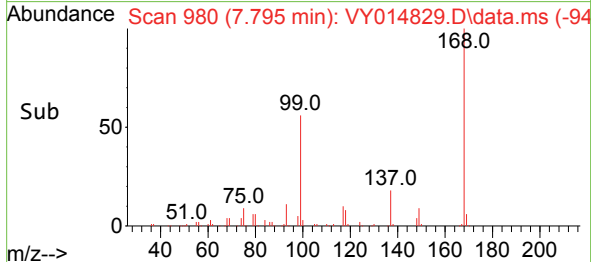
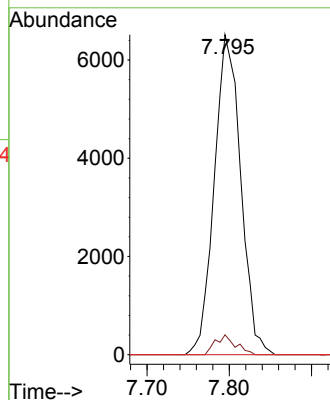
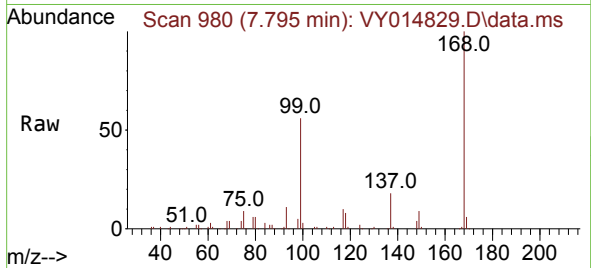




#38
Carbon Tetrachloride
Concen: 5.815 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY014829.D
Acq: 26 Jul 2023 02:45

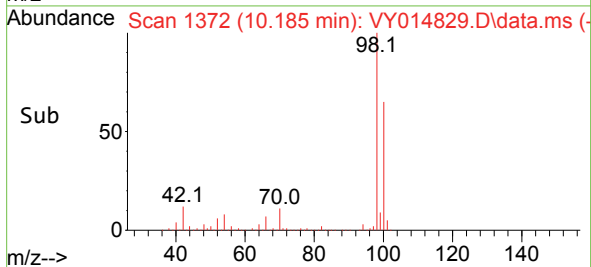
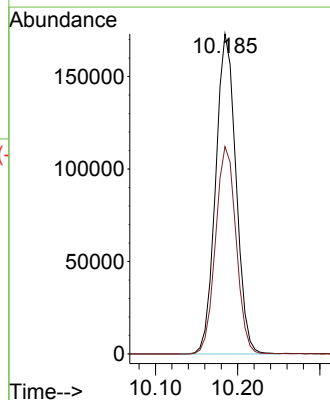
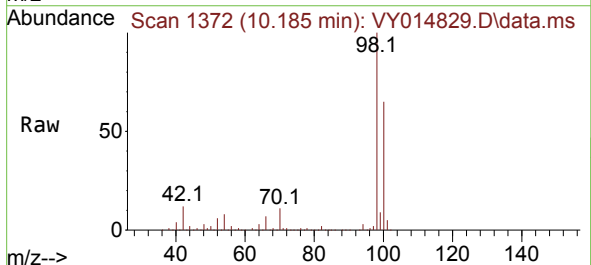
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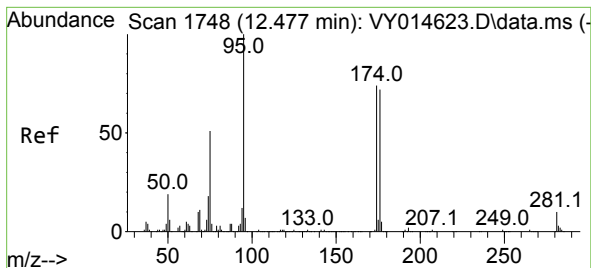
Tgt Ion:117 Resp: 14571
Ion Ratio Lower Upper
117 100
119 6.2 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.883 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY014829.D
Acq: 26 Jul 2023 02:45

Tgt Ion: 98 Resp: 297339
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1

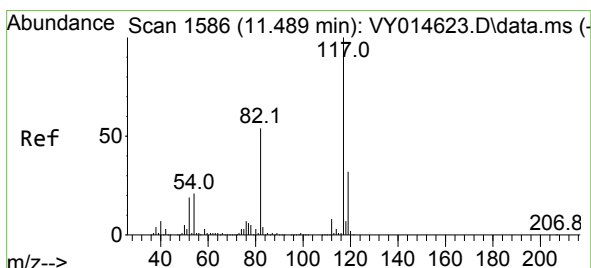
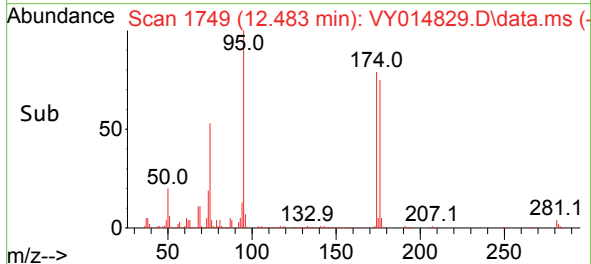
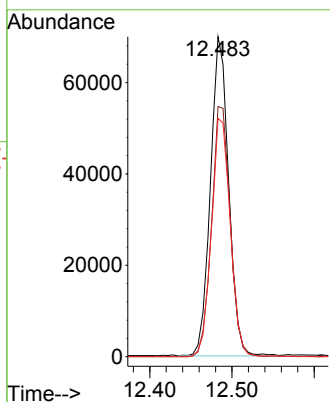
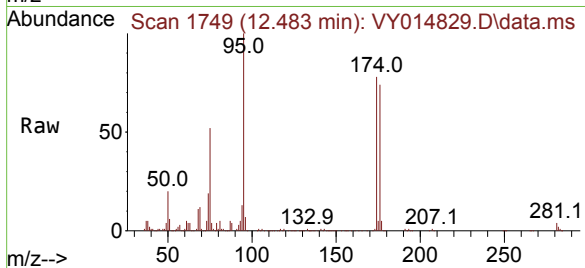




#62
4-Bromofluorobenzene
Concen: 47.868 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY014829.D
Acq: 26 Jul 2023 02:45

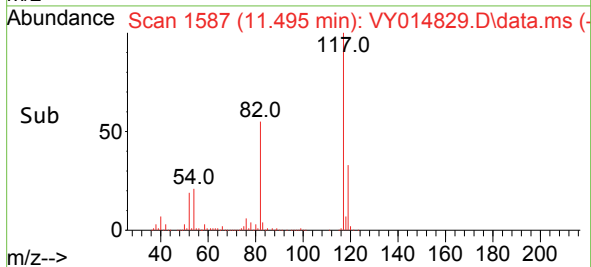
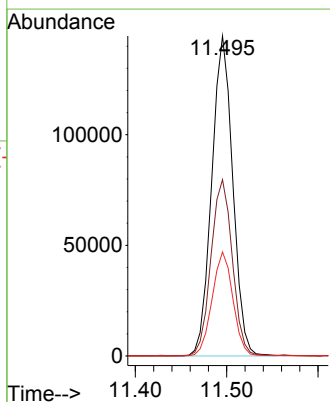
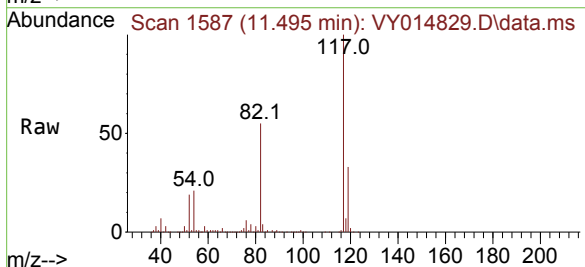
Instrument :
MSVOA_Y
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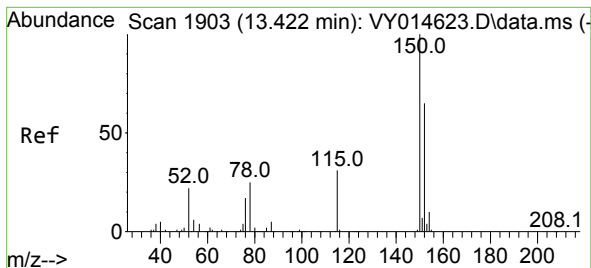
Tgt Ion: 95 Resp: 107256
Ion Ratio Lower Upper
95 100
174 80.5 0.0 178.2
176 77.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY014829.D
Acq: 26 Jul 2023 02:45

Tgt Ion: 117 Resp: 231127
Ion Ratio Lower Upper
117 100
82 54.9 43.4 65.0
119 32.5 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

Lab File: VY014829.D

Acq: 26 Jul 2023 02:45

Instrument :

MSVOA_Y

ClientSampleId :

B-P27A

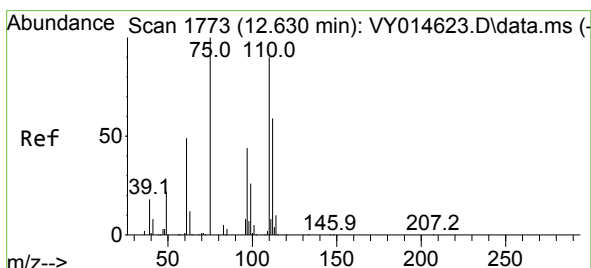
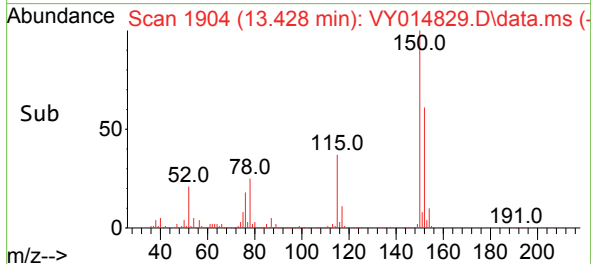
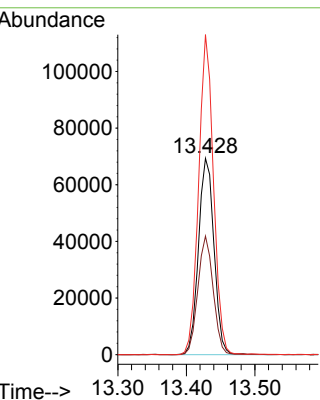
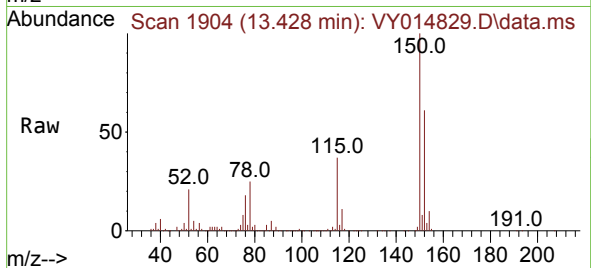
Tgt Ion:152 Resp: 109126

Ion Ratio Lower Upper

152 100

115 59.8 28.8 86.5

150 156.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 41.674 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY014829.D

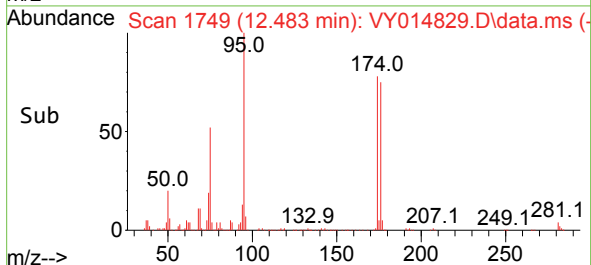
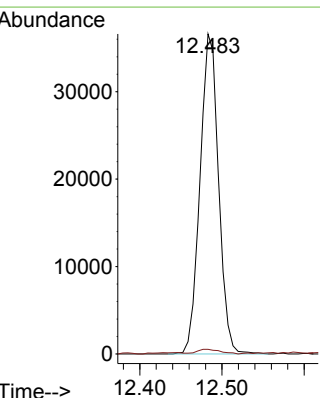
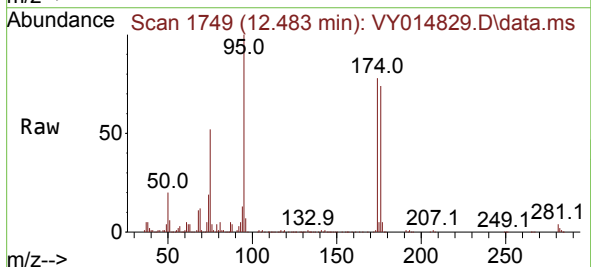
Acq: 26 Jul 2023 02:45

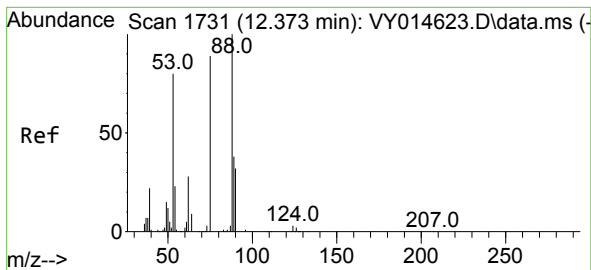
Tgt Ion: 75 Resp: 57437

Ion Ratio Lower Upper

75 100

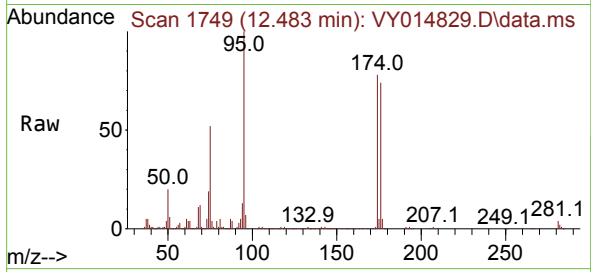
77 1.9 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.689 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY014829.D
 Acq: 26 Jul 2023 02:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P27A



Tgt Ion: 75 Resp: 57437
 Ion Ratio Lower Upper
 75 100
 53 0.2 77.8 116.8#
 89 0.0 37.4 56.0#

