

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120523\
 Data File : VY016604.D
 Acq On : 05 Dec 2023 18:17
 Operator : SY/MD
 Sample : 05599-15
 Misc : 4.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-08

Quant Time: Dec 06 02:28:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120423S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 05 01:24:25 2023
 Response via : Initial Calibration

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

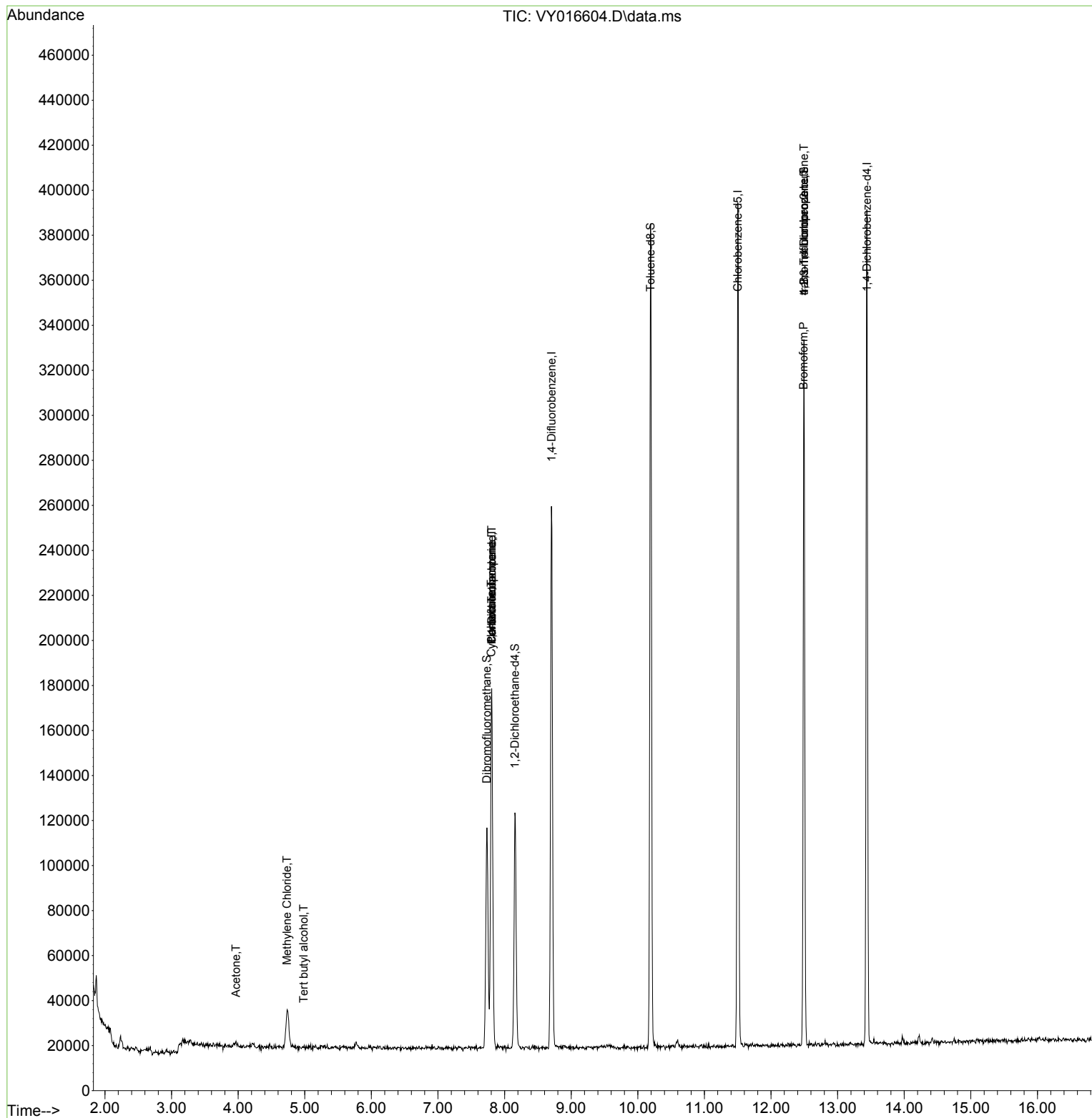
Internal Standards						
1) Pentafluorobenzene	7.807	168	128869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	213497	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	208508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	99779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	83112	69.778	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 139.560%			
35) Dibromofluoromethane	7.734	113	68398	53.235	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.480%			
50) Toluene-d8	10.191	98	247642	50.956	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.920%			
62) 4-Bromofluorobenzene	12.495	95	89480	55.988	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.980%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.985	59	263	3.241	ug/l #	89
16) Acetone	3.966	43	2008	7.450	ug/l #	86
20) Methylene Chloride	4.735	84	13635	8.692	ug/l #	89
31) Cyclohexane	7.801	56	2585	1.271	ug/l #	4
36) 1,1-Dichloropropene	7.807	75	8610	4.408	ug/l #	51
38) Carbon Tetrachloride	7.807	117	11988	5.302	ug/l #	16
71) Bromoform	12.489	173	905	1.015	ug/l #	28
76) 1,2,3-Trichloropropane	12.495	75	47717	52.940	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	47717	119.424	ug/l #	10
95) Naphthalene	15.251	128	784	Below Cal	#	72

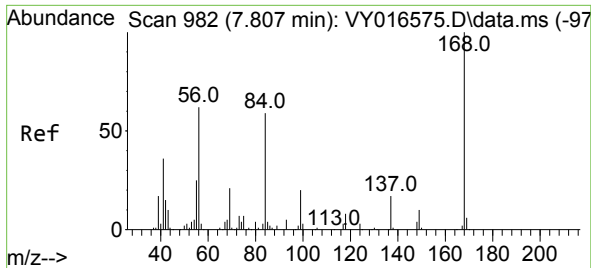
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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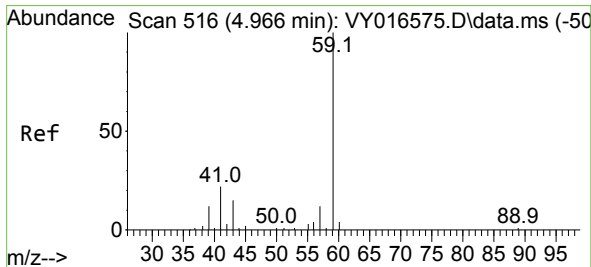
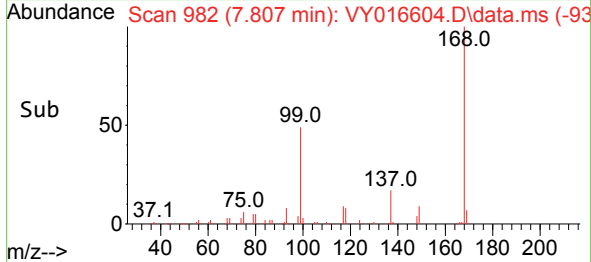
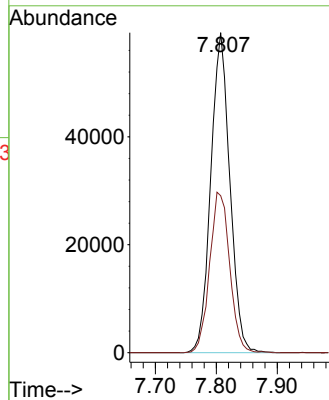
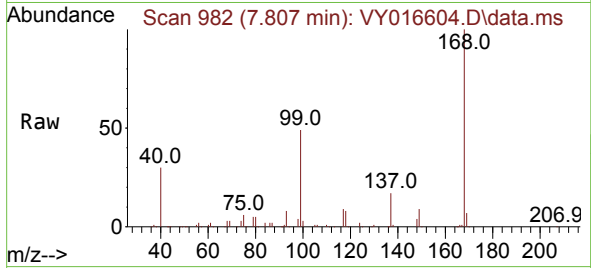




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY016604.D
Acq: 05 Dec 2023 18:17

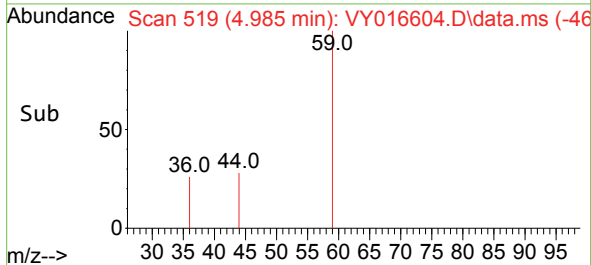
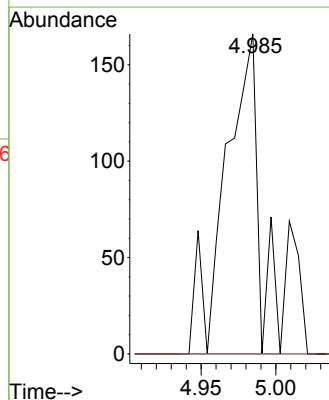
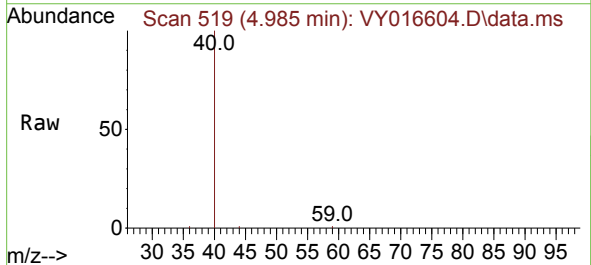
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-08

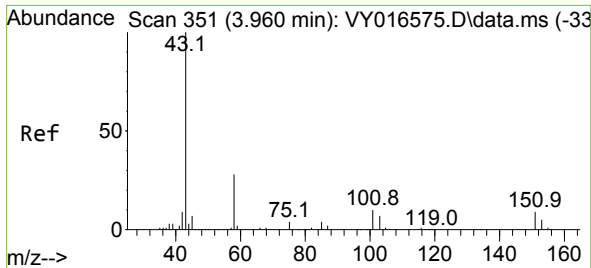
Tgt Ion:168 Resp: 128869
Ion Ratio Lower Upper
168 100
99 49.1 43.4 65.0



#11
Tert butyl alcohol
Concen: 3.241 ug/l
RT: 4.985 min Scan# 519
Delta R.T. 0.018 min
Lab File: VY016604.D
Acq: 05 Dec 2023 18:17

Tgt Ion: 59 Resp: 263
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

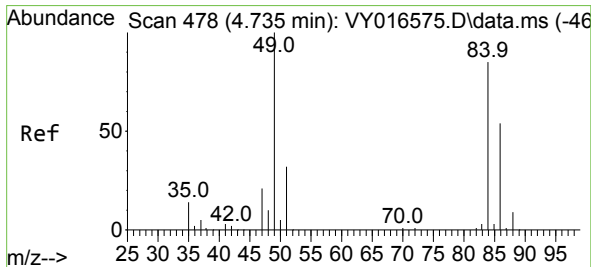
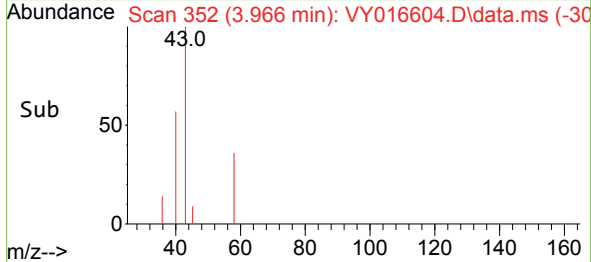
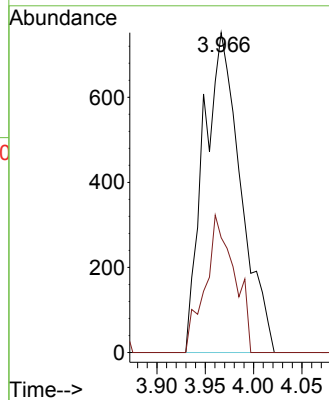
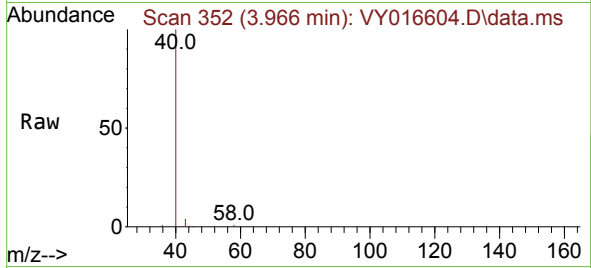




#16
Acetone
Concen: 7.450 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY016604.D
Acq: 05 Dec 2023 18:17

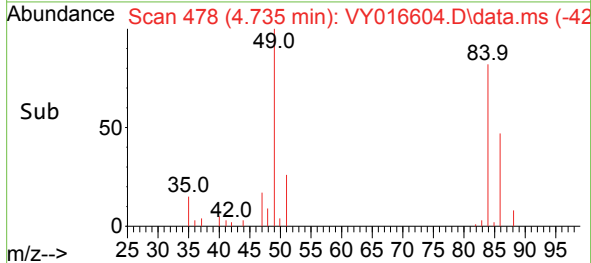
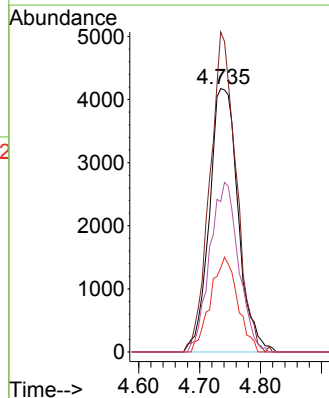
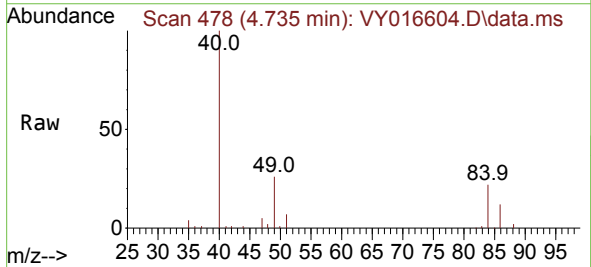
Instrument :
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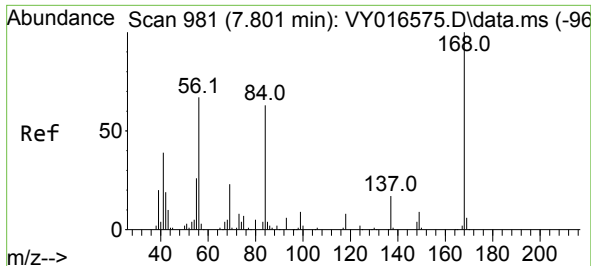
Tgt Ion: 43 Resp: 2008
Ion Ratio Lower Upper
43 100
58 35.9 22.7 34.1#



#20
Methylene Chloride
Concen: 8.692 ug/l
RT: 4.735 min Scan# 478
Delta R.T. -0.000 min
Lab File: VY016604.D
Acq: 05 Dec 2023 18:17

Tgt Ion: 84 Resp: 13635
Ion Ratio Lower Upper
84 100
49 121.5 106.9 160.3
51 32.0 33.2 49.8#
86 57.1 51.0 76.6

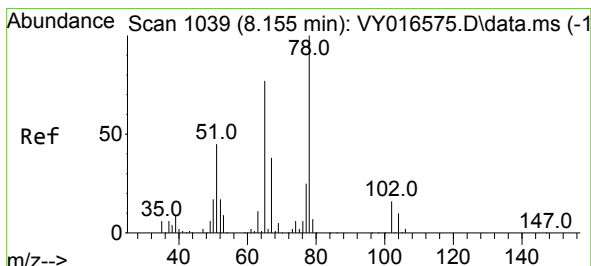
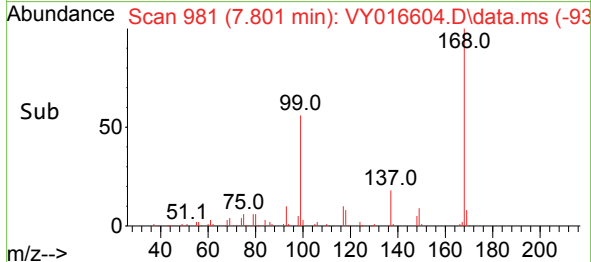
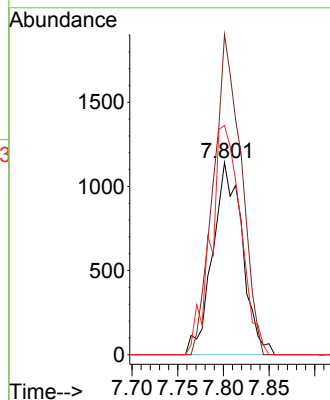
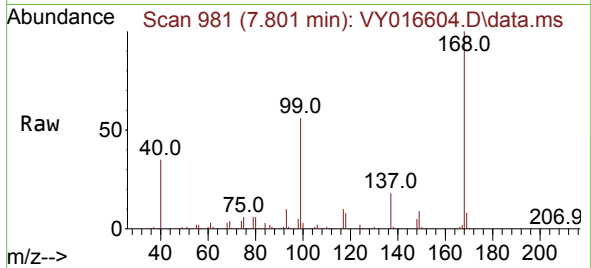




#31
Cyclohexane
Concen: 1.271 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY016604.D
Acq: 05 Dec 2023 18:17

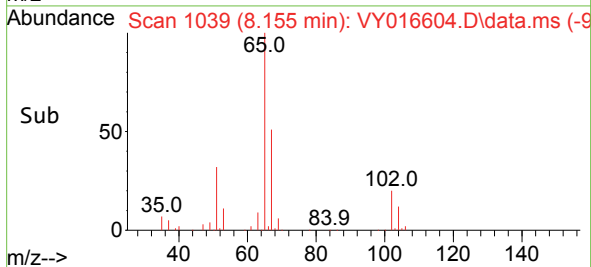
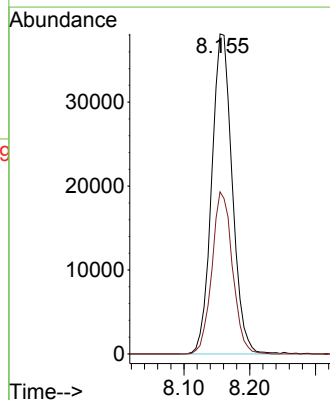
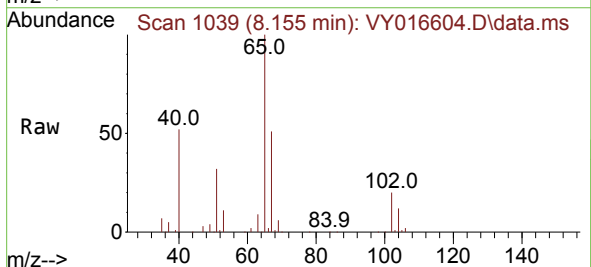
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-08

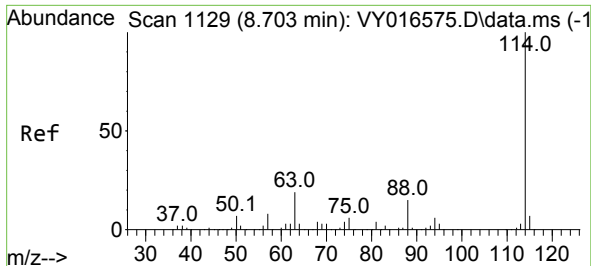
Tgt Ion: 56 Resp: 2585
Ion Ratio Lower Upper
56 100
69 166.5 27.8 41.6#
84 119.3 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 69.778 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY016604.D
Acq: 05 Dec 2023 18:17

Tgt Ion: 65 Resp: 83112
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.8

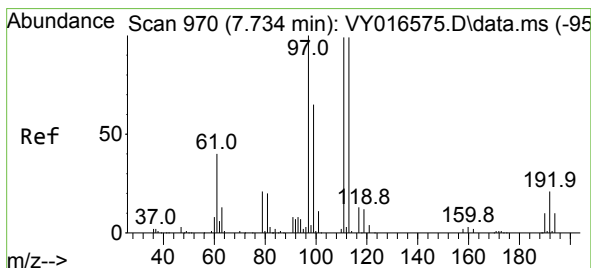
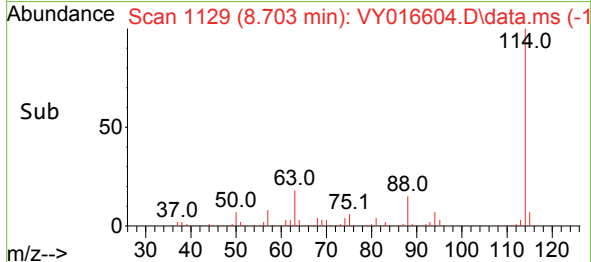
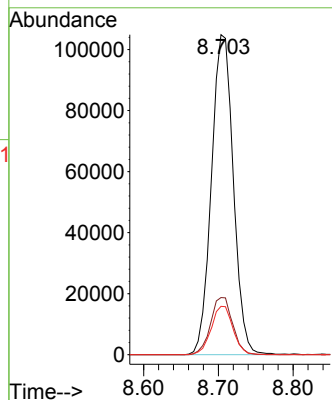
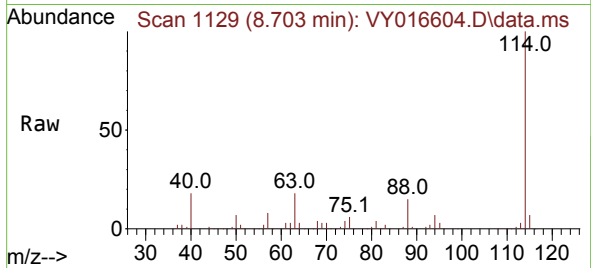




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VY016604.D
Acq: 05 Dec 2023 18:17

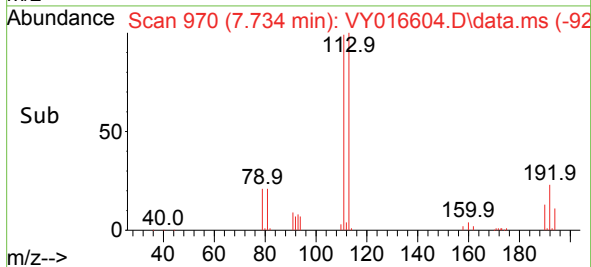
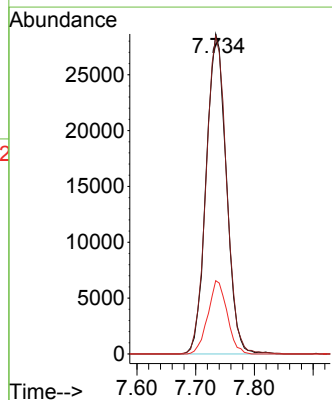
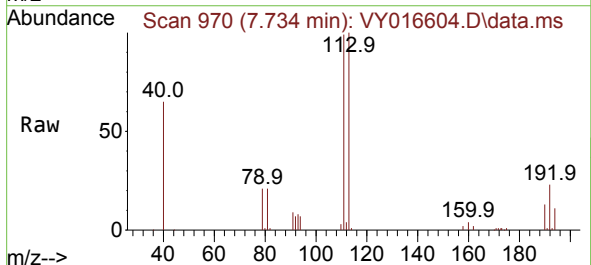
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-08

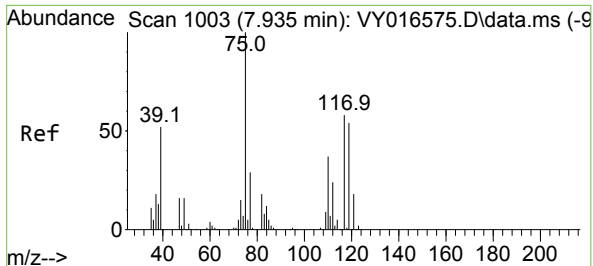
Tgt Ion:114 Resp: 213497
Ion Ratio Lower Upper
114 100
63 17.9 0.0 42.4
88 15.1 0.0 30.6



#35
Dibromofluoromethane
Concen: 53.235 ug/l
RT: 7.734 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY016604.D
Acq: 05 Dec 2023 18:17

Tgt Ion:113 Resp: 68398
Ion Ratio Lower Upper
113 100
111 101.0 81.3 121.9
192 21.8 16.9 25.3

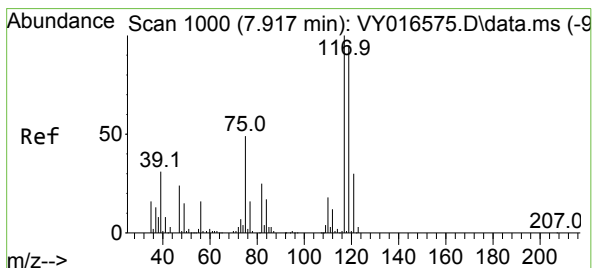
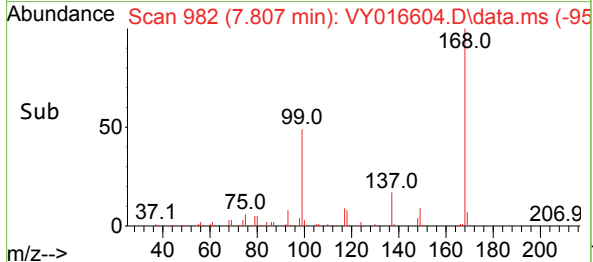
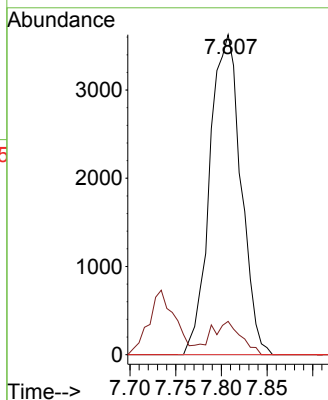
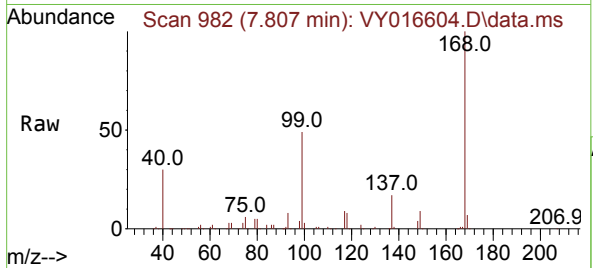




#36
1,1-Dichloropropene
Concen: 4.408 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY016604.D
Acq: 05 Dec 2023 18:17

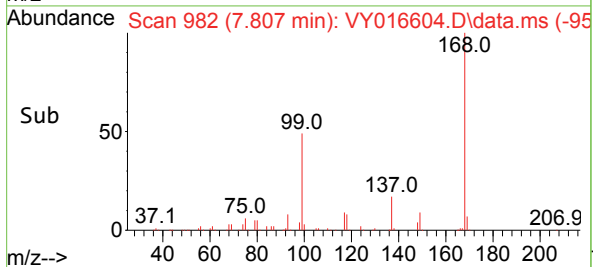
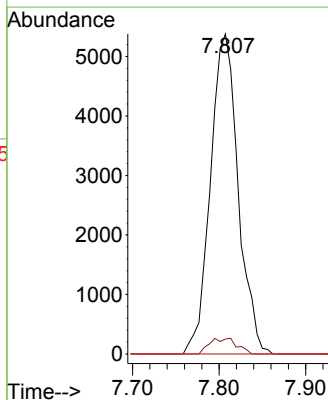
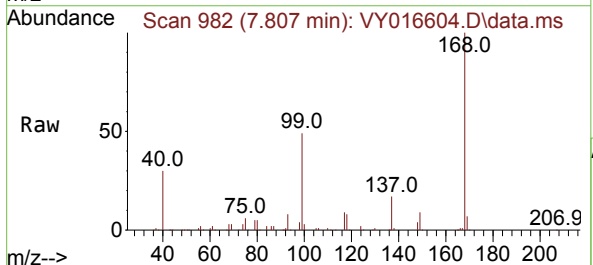
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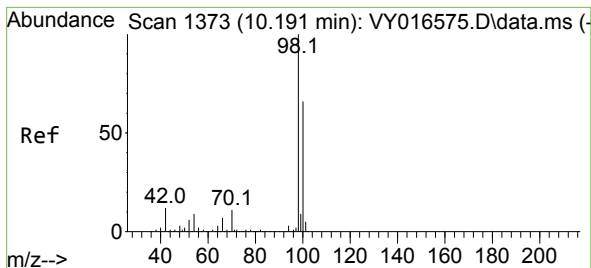
Tgt Ion: 75 Resp: 8610
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.302 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY016604.D
Acq: 05 Dec 2023 18:17

Tgt Ion: 117 Resp: 11988
Ion Ratio Lower Upper
117 100
119 4.6 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.956 ug/l

RT: 10.191 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016604.D

Acq: 05 Dec 2023 18:17

Instrument :

MSVOA_Y

ClientSampleId :

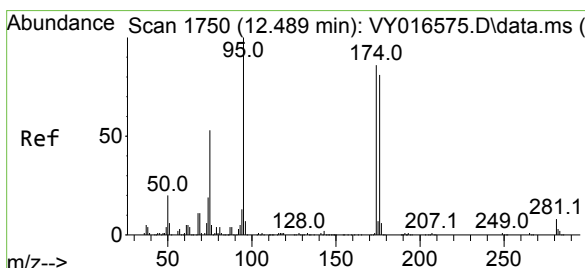
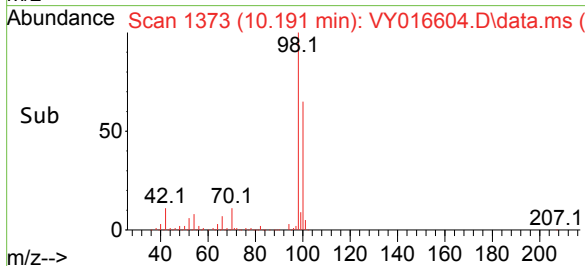
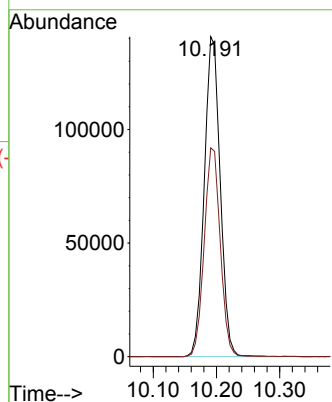
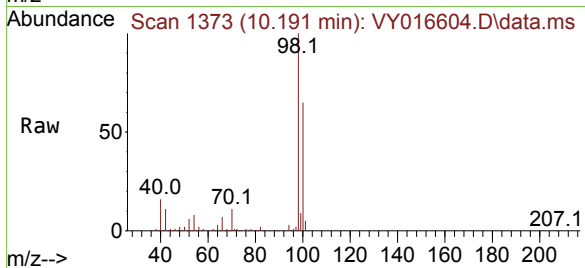
LKWD-BACKFILL-08

Tgt Ion: 98 Resp: 247642

Ion Ratio Lower Upper

98 100

100 65.6 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 55.988 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY016604.D

Acq: 05 Dec 2023 18:17

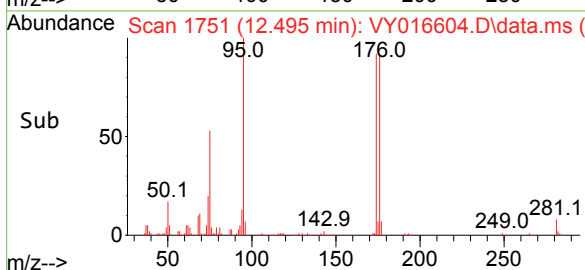
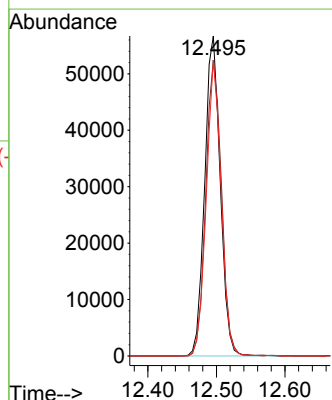
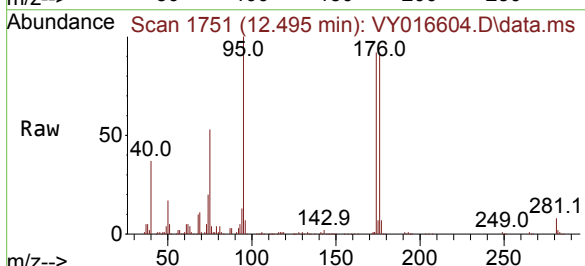
Tgt Ion: 95 Resp: 89480

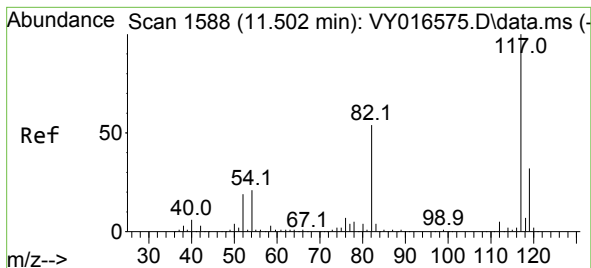
Ion Ratio Lower Upper

95 100

174 93.8 0.0 178.2

176 88.8 0.0 173.8

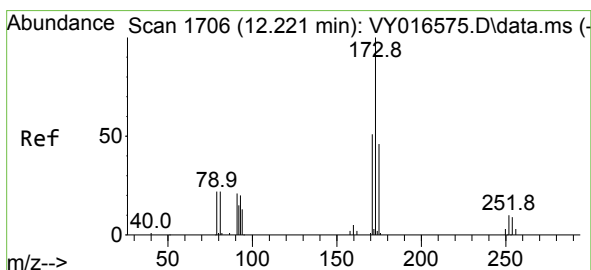
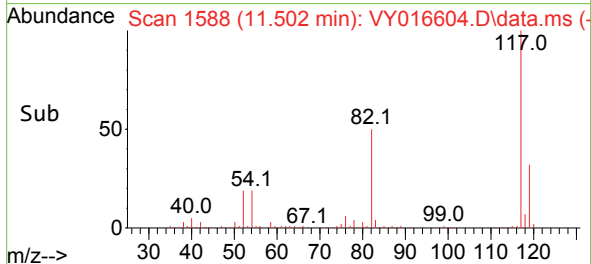
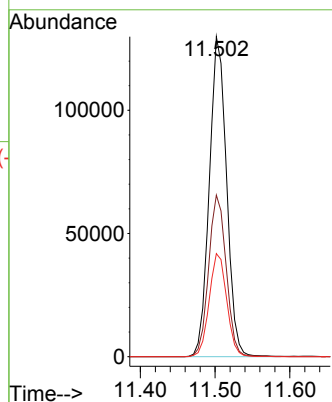
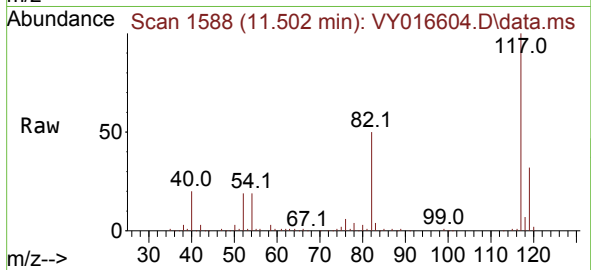




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016604.D
Acq: 05 Dec 2023 18:17

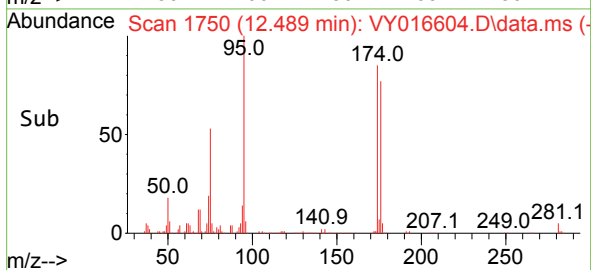
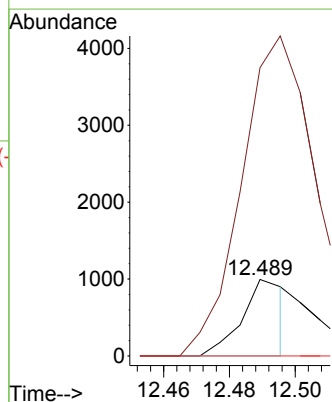
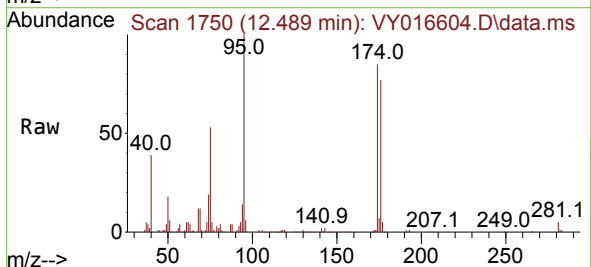
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-08

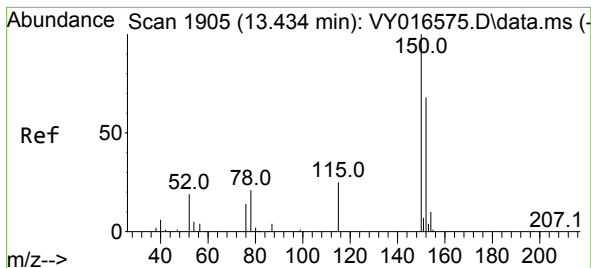
Tgt Ion:117 Resp: 208508
Ion Ratio Lower Upper
117 100
82 50.5 43.4 65.0
119 32.2 26.3 39.5



#71
Bromoform
Concen: 1.015 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.268 min
Lab File: VY016604.D
Acq: 05 Dec 2023 18:17

Tgt Ion:173 Resp: 905
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.8#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.440 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VY016604.D

Acq: 05 Dec 2023 18:17

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-08

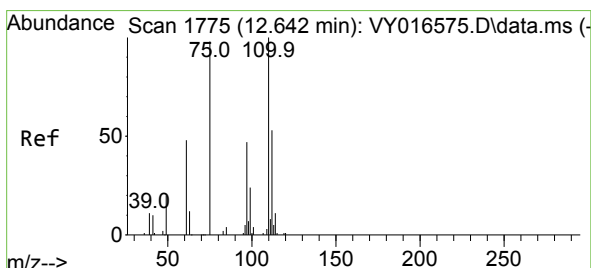
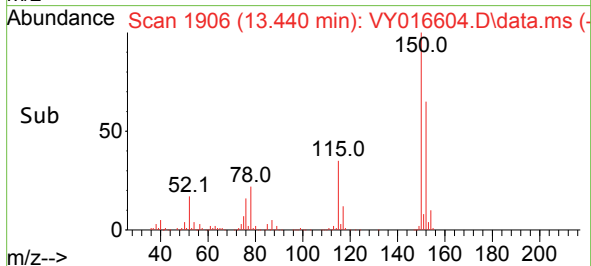
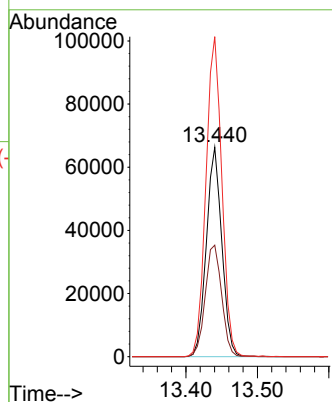
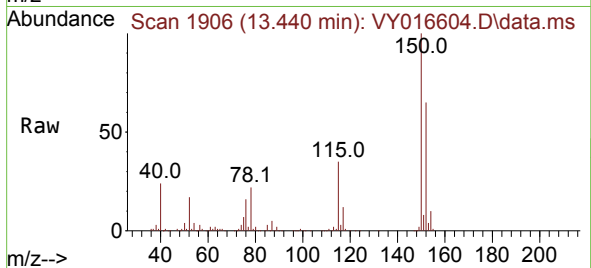
Tgt Ion:152 Resp: 99779

Ion Ratio Lower Upper

152 100

115 56.4 28.8 86.5

150 156.9 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 52.940 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY016604.D

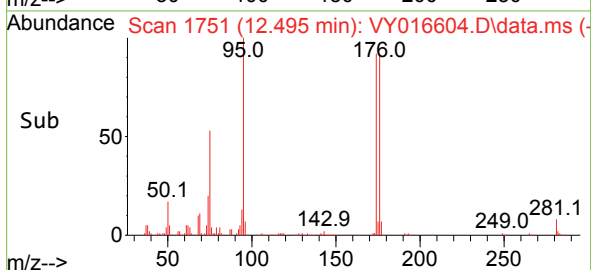
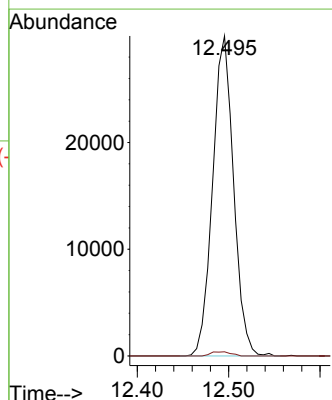
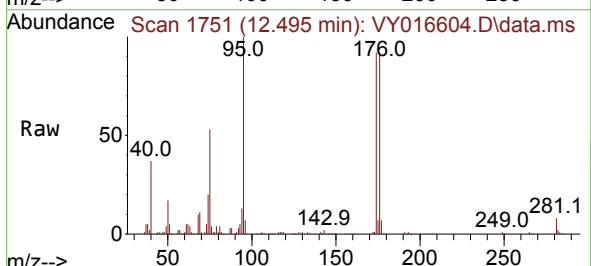
Acq: 05 Dec 2023 18:17

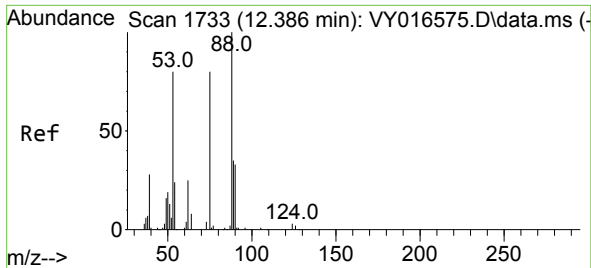
Tgt Ion: 75 Resp: 47717

Ion Ratio Lower Upper

75 100

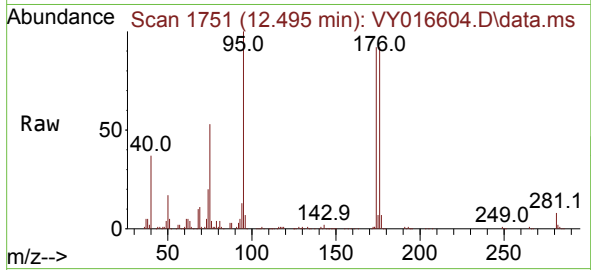
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.424 ug/l
 RT: 12.495 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY016604.D
 Acq: 05 Dec 2023 18:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-08



Tgt Ion: 75 Resp: 47717
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

