

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120623\
 Data File : VY016614.D
 Acq On : 06 Dec 2023 14:33
 Operator : SY/MD
 Sample : 05599-03RE
 Misc : 4.78g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-02RE

Quant Time: Dec 07 00:33:33 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)

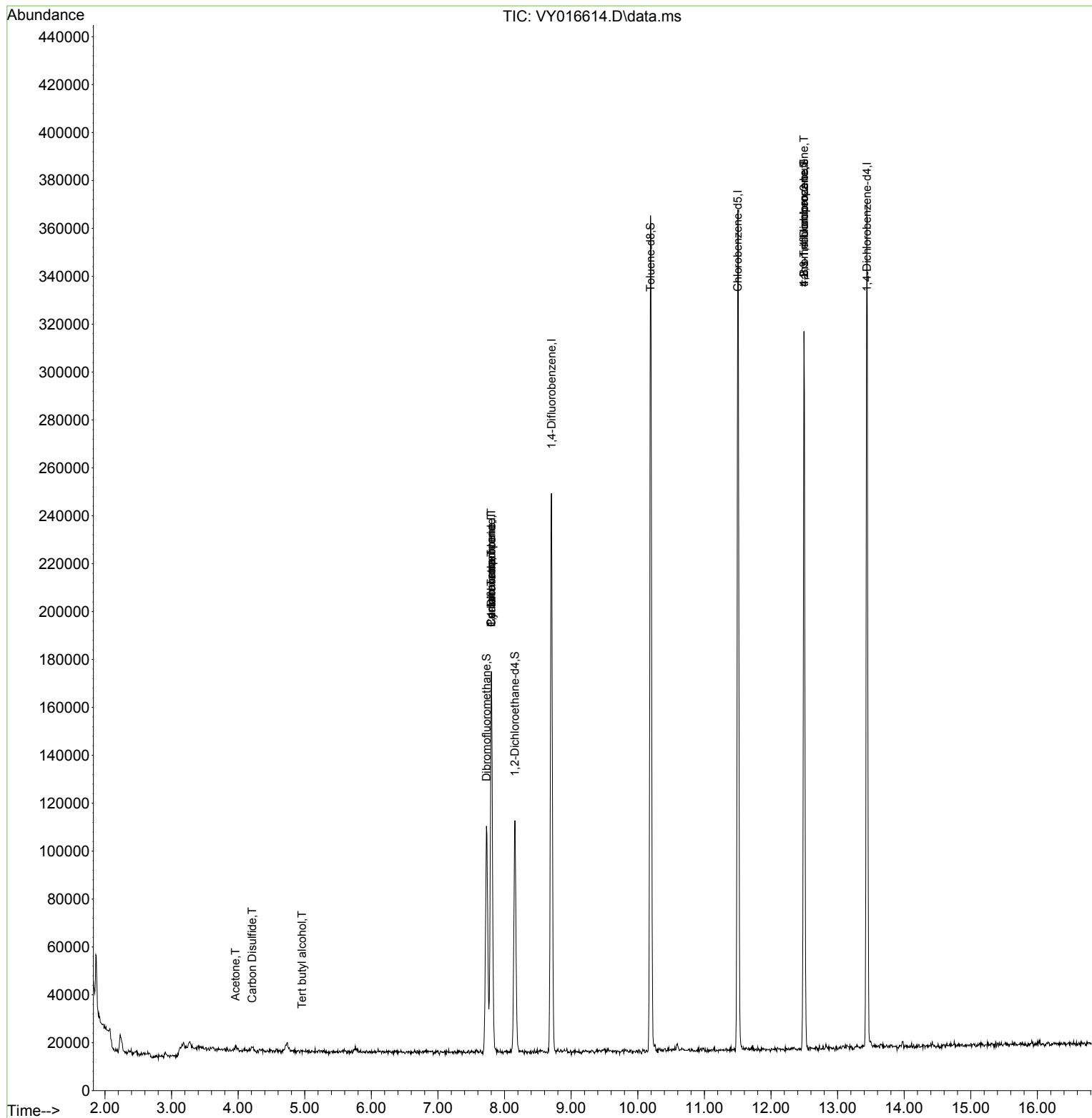
Internal Standards						
1) Pentafluorobenzene	7.801	168	126989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	204117	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	198324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	97192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	80122	68.263	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.520%	
35) Dibromofluoromethane	7.728	113	64300	52.345	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.700%	
50) Toluene-d8	10.191	98	237699	51.157	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.320%	
62) 4-Bromofluorobenzene	12.496	95	85277	55.810	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.620%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.960	59	363	4.539	ug/l #	89
16) Acetone	3.960	43	2041	7.684	ug/l #	87
17) Carbon Disulfide	4.210	76	3352	1.059	ug/l #	87
20) Methylene Chloride	4.735	84	2696	Below Cal	#	85
31) Cyclohexane	7.801	56	2296	1.146	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	8462	4.532	ug/l #	53
38) Carbon Tetrachloride	7.801	117	12069	5.583	ug/l #	16
76) 1,2,3-Trichloropropane	12.496	75	45873	52.249	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.496	75	45873	117.864	ug/l #	10
95) Naphthalene	15.251	128	884	Below Cal	#	76
96) 1,2,3-Trichlorobenzene	15.440	180	177	Below Cal	#	43

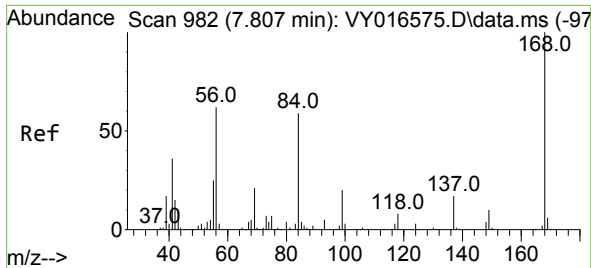
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120623\
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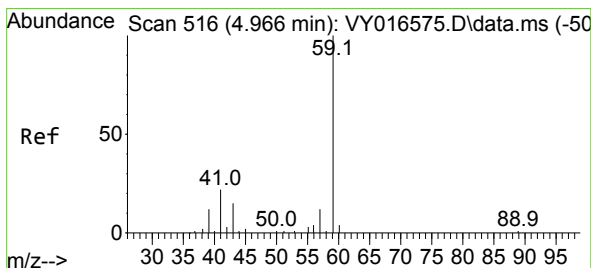
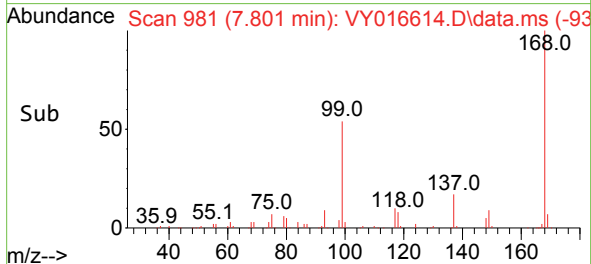
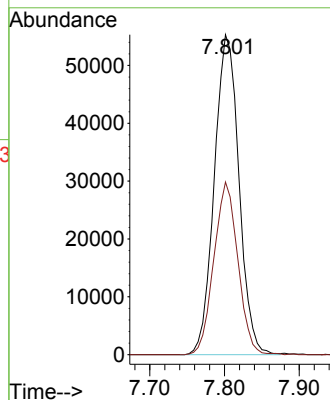
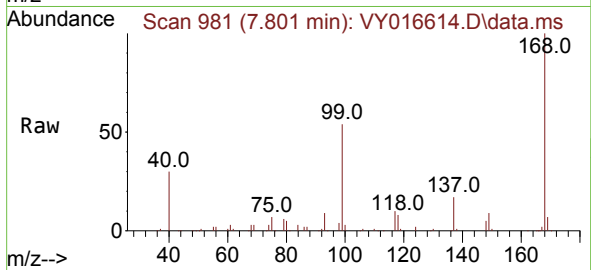




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY016614.D
Acq: 06 Dec 2023 14:33

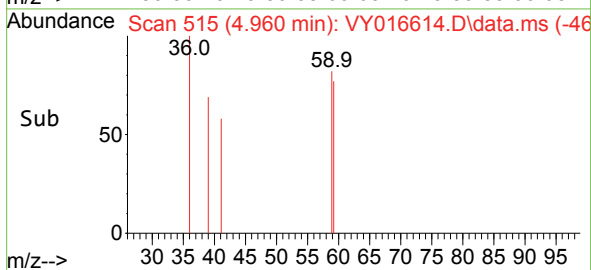
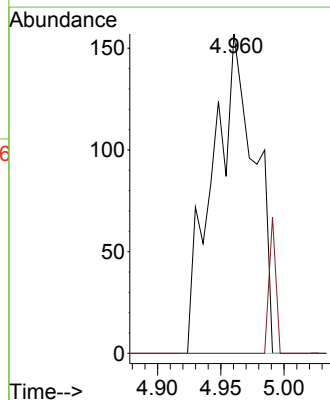
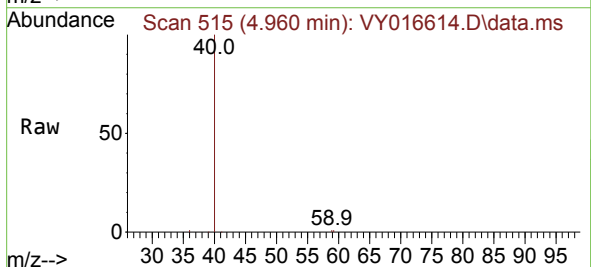
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-02RE

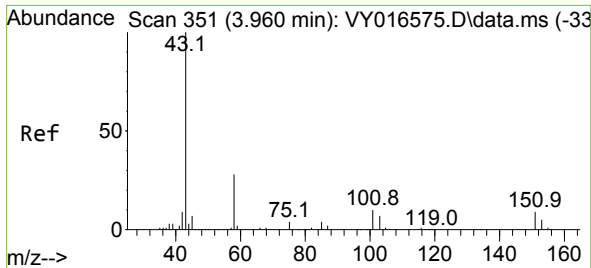
Tgt Ion:168 Resp: 126989
Ion Ratio Lower Upper
168 100
99 54.0 43.4 65.0



#11
Tert butyl alcohol
Concen: 4.539 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.006 min
Lab File: VY016614.D
Acq: 06 Dec 2023 14:33

Tgt Ion: 59 Resp: 363
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

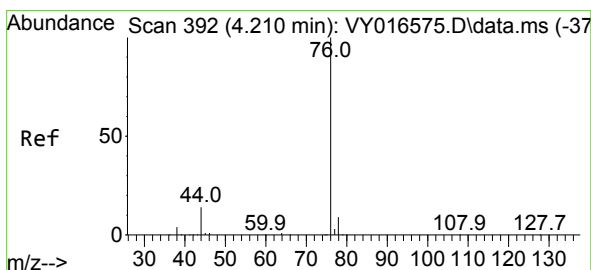
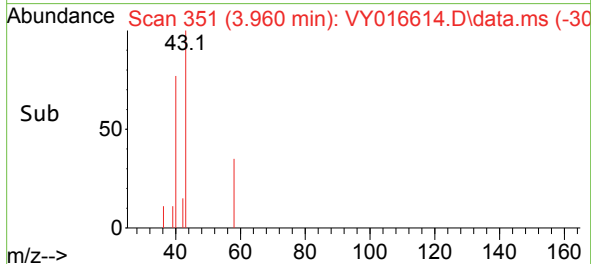
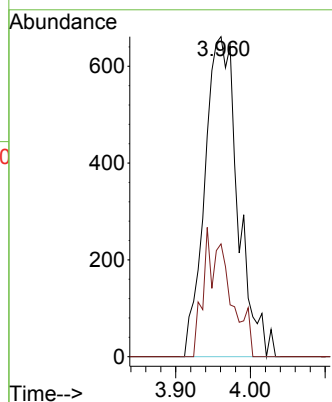
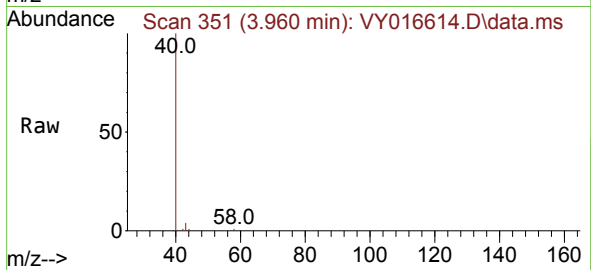




#16
Acetone
Concen: 7.684 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY016614.D
Acq: 06 Dec 2023 14:33

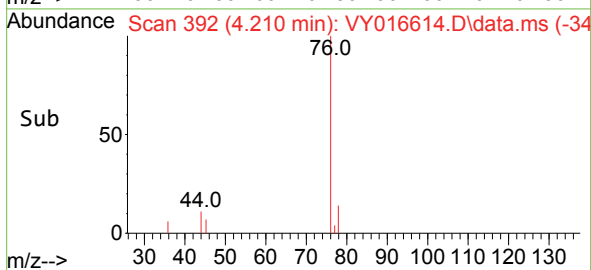
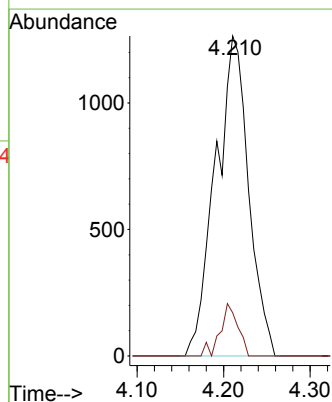
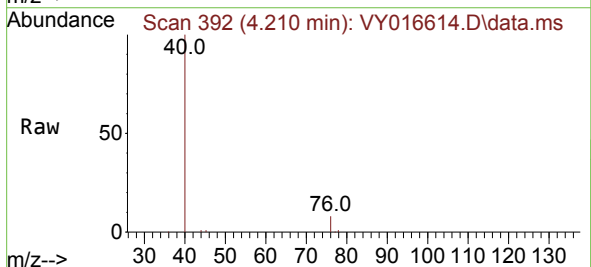
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-02RE

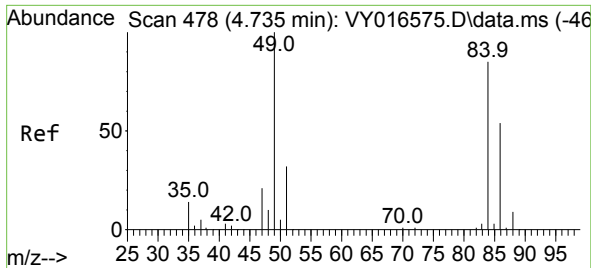
Tgt Ion: 43 Resp: 2041
Ion Ratio Lower Upper
43 100
58 35.2 22.7 34.1#



#17
Carbon Disulfide
Concen: 1.059 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.000 min
Lab File: VY016614.D
Acq: 06 Dec 2023 14:33

Tgt Ion: 76 Resp: 3352
Ion Ratio Lower Upper
76 100
78 13.5 7.0 10.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.735 min Scan# 41

Delta R.T. -0.000 min

Lab File: VY016614.D

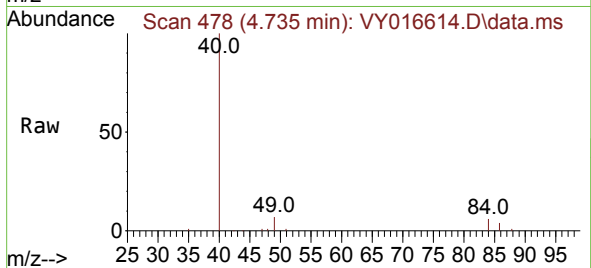
Acq: 06 Dec 2023 14:33

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-02RE



Tgt Ion: 84 Resp: 2696

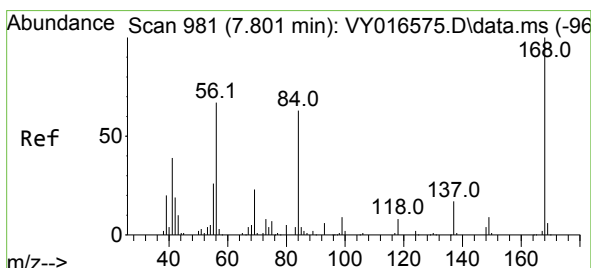
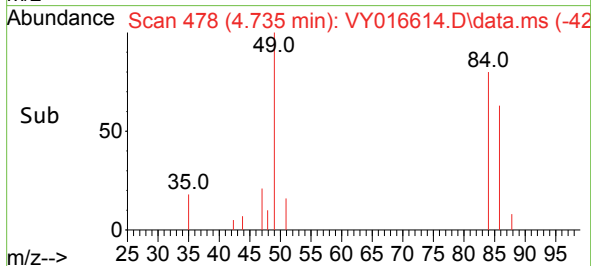
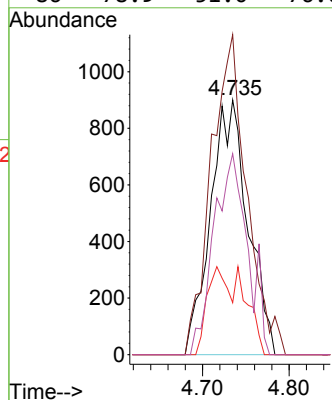
Ion Ratio Lower Upper

84 100

49 125.7 106.9 160.3

51 20.4 33.2 49.8#

86 78.9 51.0 76.6#



#31

Cyclohexane

Concen: 1.146 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY016614.D

Acq: 06 Dec 2023 14:33

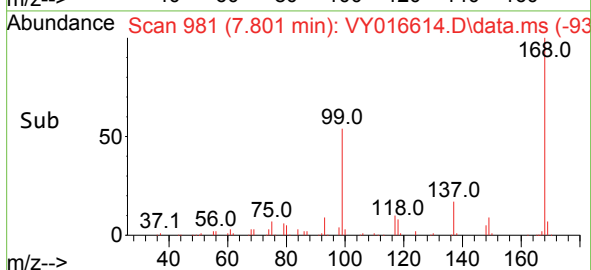
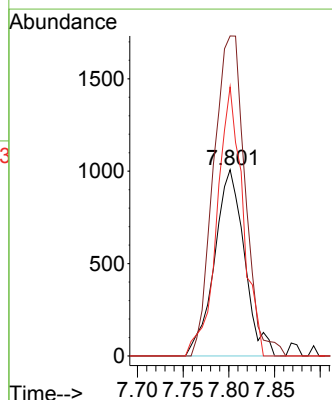
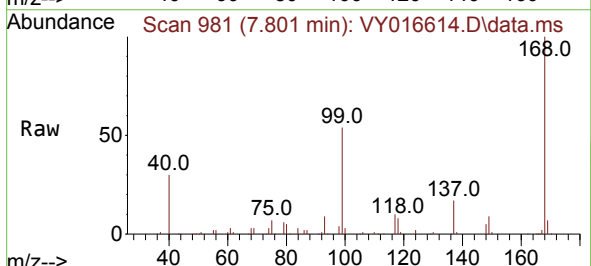
Tgt Ion: 56 Resp: 2296

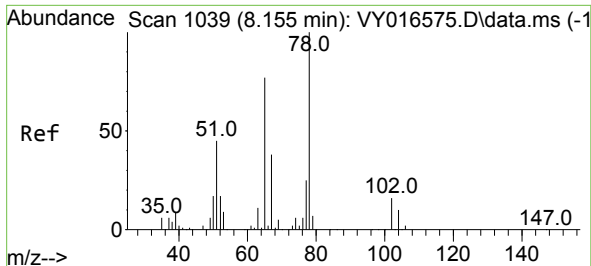
Ion Ratio Lower Upper

56 100

69 171.8 27.8 41.6#

84 144.5 66.4 99.6#

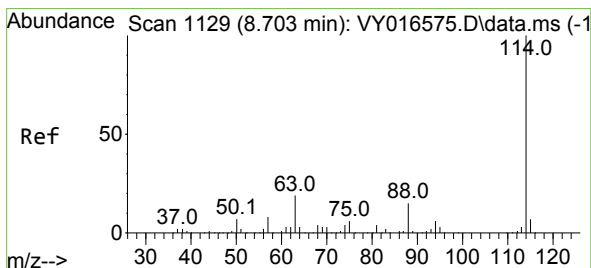
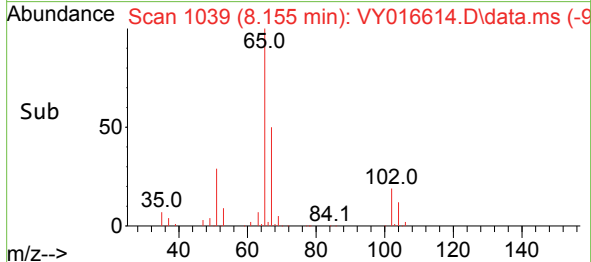
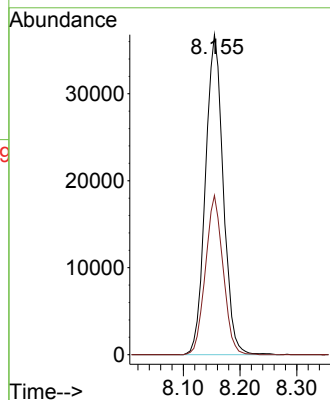
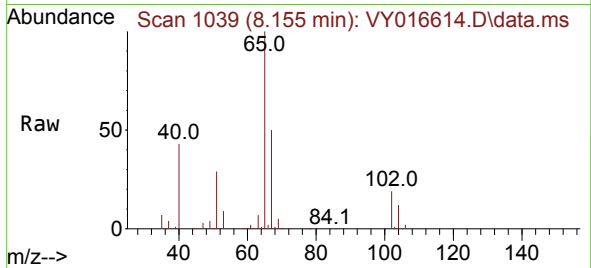




#33
 1,2-Dichloroethane-d4
 Concen: 68.263 ug/l
 RT: 8.155 min Scan# 1039
 Delta R.T. 0.000 min
 Lab File: VY016614.D
 Acq: 06 Dec 2023 14:33

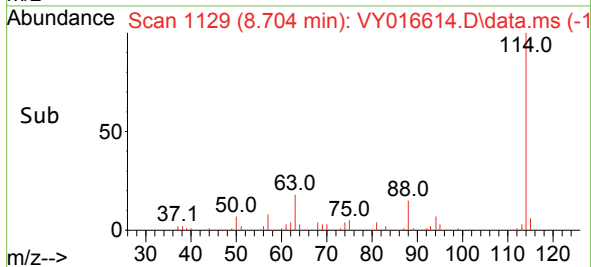
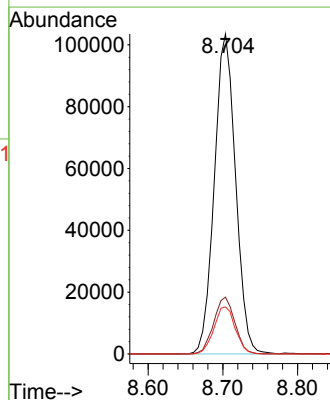
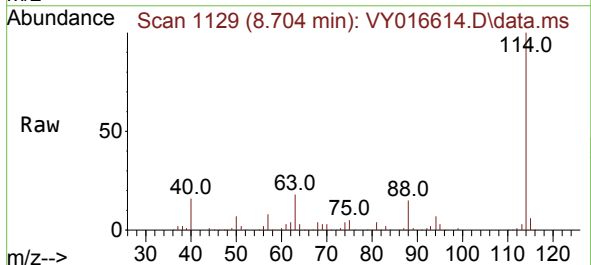
Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-02RE

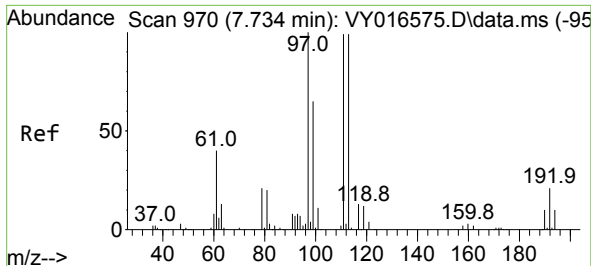
Tgt Ion: 65 Resp: 80122
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.704 min Scan# 1129
 Delta R.T. 0.000 min
 Lab File: VY016614.D
 Acq: 06 Dec 2023 14:33

Tgt Ion:114 Resp: 204117
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 42.4
 88 14.7 0.0 30.6

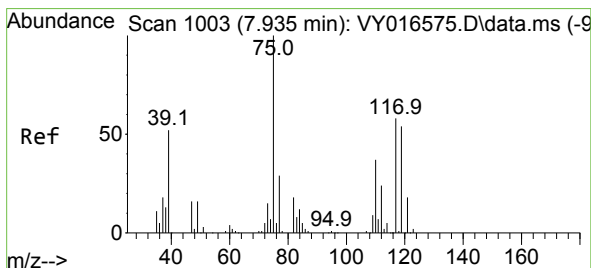
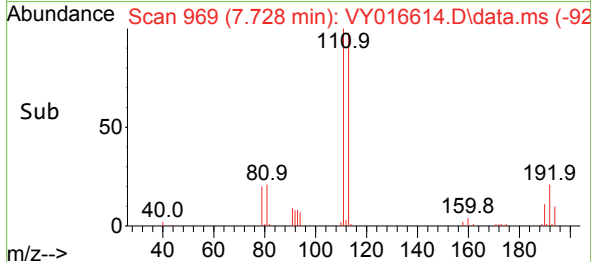
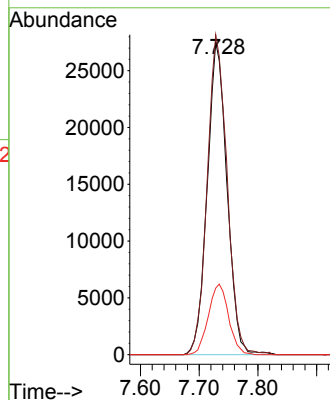
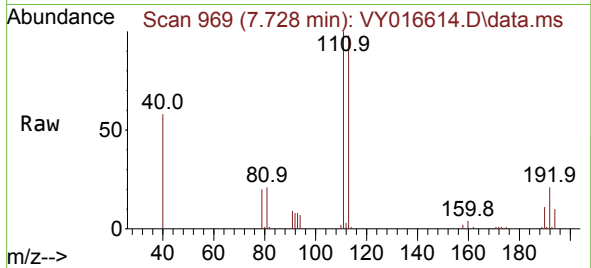




#35
Dibromofluoromethane
Concen: 52.345 ug/l
RT: 7.728 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY016614.D
Acq: 06 Dec 2023 14:33

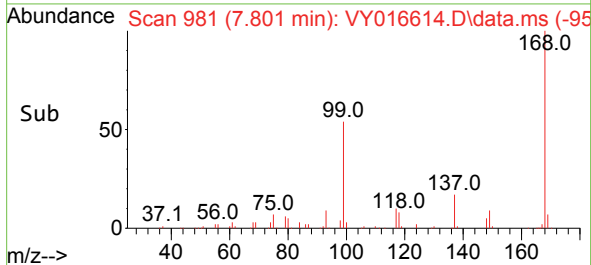
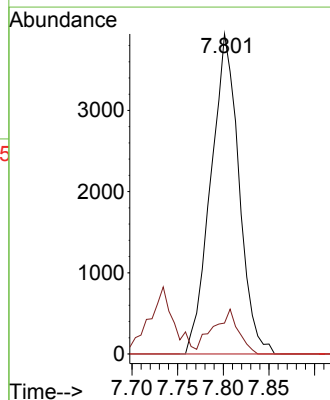
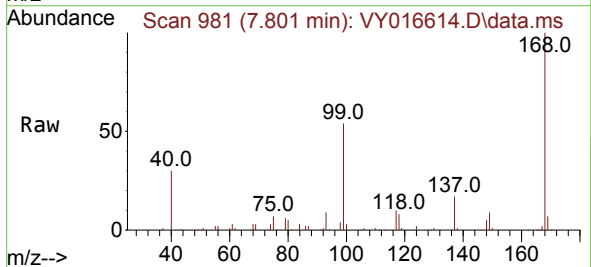
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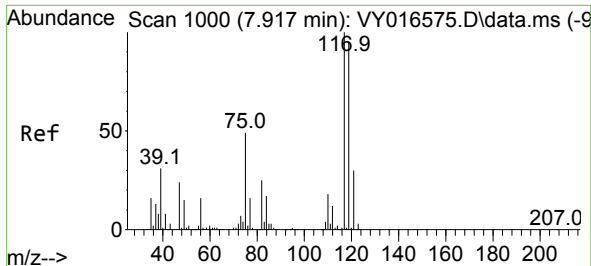
Tgt Ion:113 Resp: 64300
Ion Ratio Lower Upper
113 100
111 103.2 81.3 121.9
192 23.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.532 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.134 min
Lab File: VY016614.D
Acq: 06 Dec 2023 14:33

Tgt Ion: 75 Resp: 8462
Ion Ratio Lower Upper
75 100
110 12.4 17.8 53.5#
77 0.0 24.4 36.6#

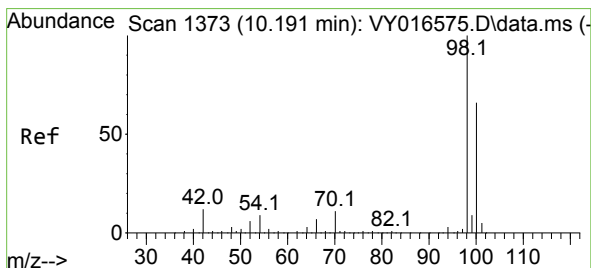
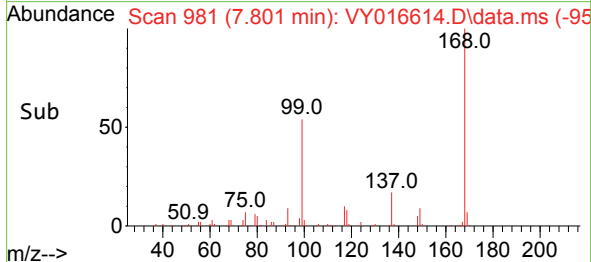
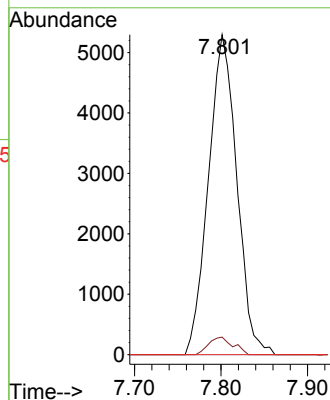
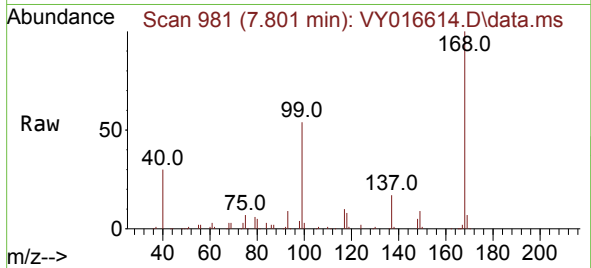




#38
Carbon Tetrachloride
Concen: 5.583 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY016614.D
Acq: 06 Dec 2023 14:33

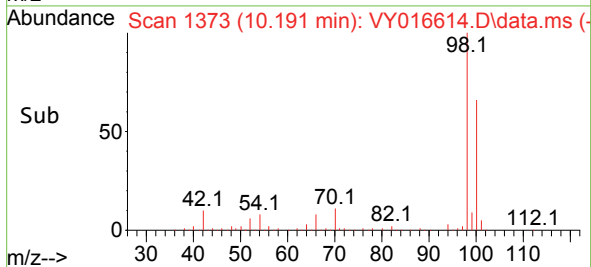
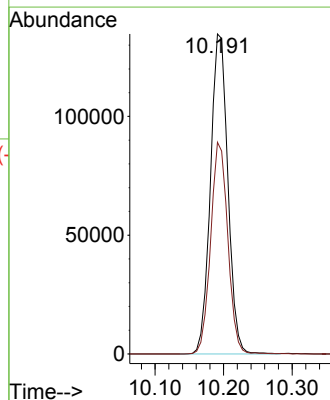
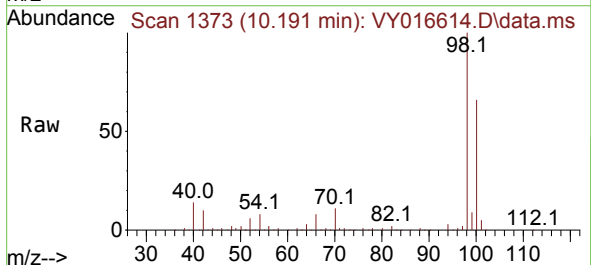
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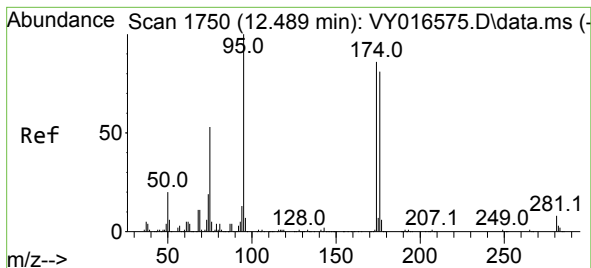
Tgt Ion:117 Resp: 12069
Ion Ratio Lower Upper
117 100
119 5.5 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 51.157 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.000 min
Lab File: VY016614.D
Acq: 06 Dec 2023 14:33

Tgt Ion: 98 Resp: 237699
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 55.810 ug/l

RT: 12.496 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY016614.D

Acq: 06 Dec 2023 14:33

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-02RE

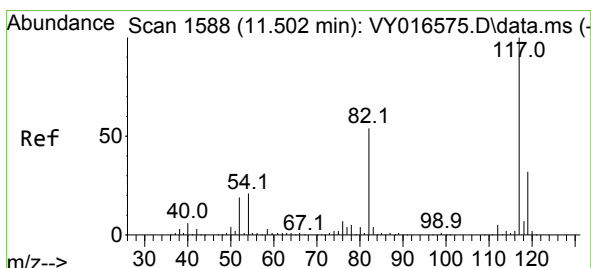
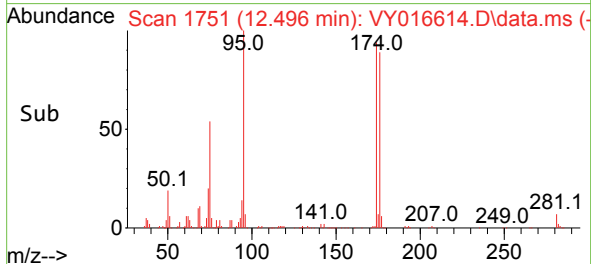
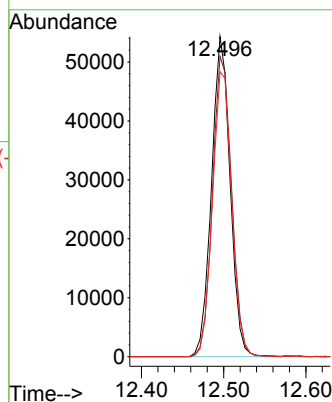
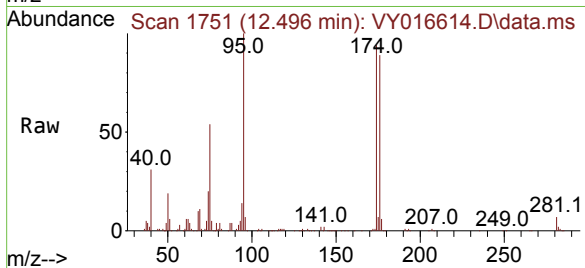
Tgt Ion: 95 Resp: 85277

Ion Ratio Lower Upper

95 100

174 96.3 0.0 178.2

176 92.4 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.502 min Scan# 1588

Delta R.T. 0.000 min

Lab File: VY016614.D

Acq: 06 Dec 2023 14:33

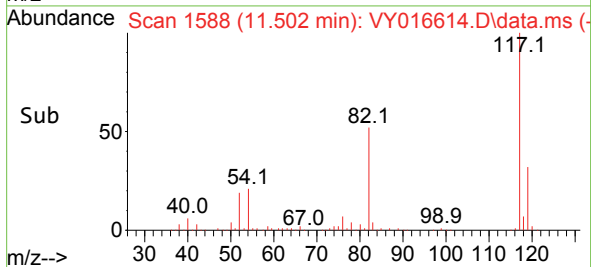
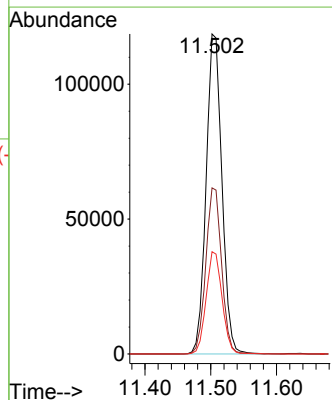
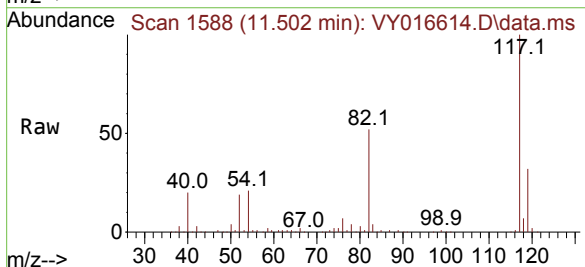
Tgt Ion: 117 Resp: 198324

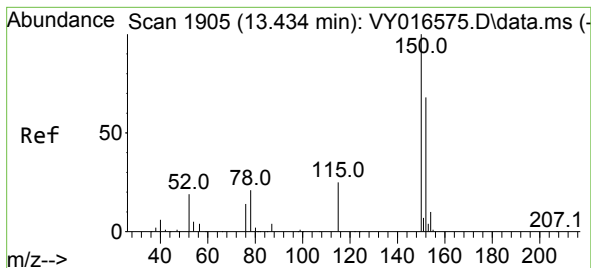
Ion Ratio Lower Upper

117 100

82 51.9 43.4 65.0

119 31.9 26.3 39.5

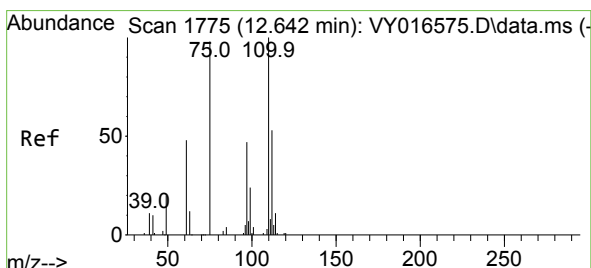
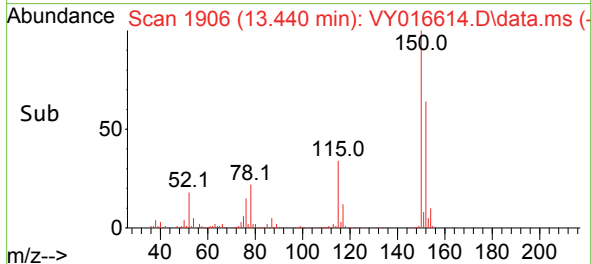
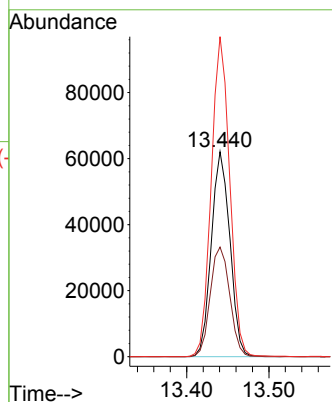
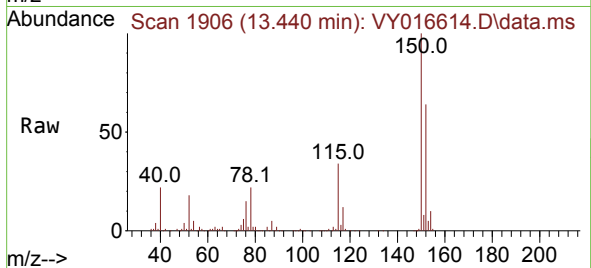




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.440 min Scan# 1905
 Delta R.T. 0.006 min
 Lab File: VY016614.D
 Acq: 06 Dec 2023 14:33

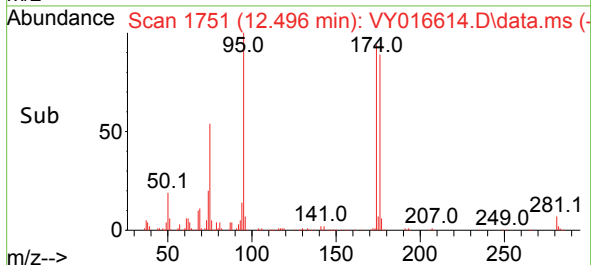
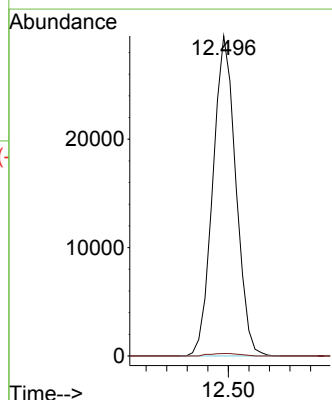
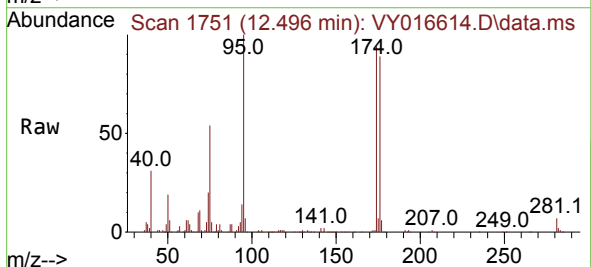
Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-02RE

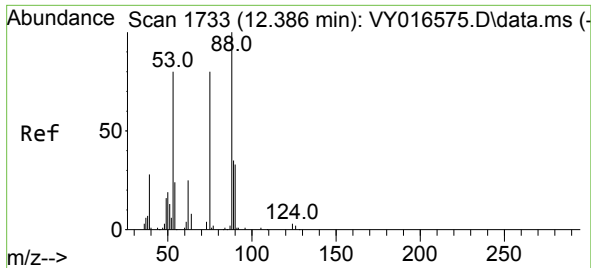
Tgt Ion:152 Resp: 97192
 Ion Ratio Lower Upper
 152 100
 115 56.2 28.8 86.5
 150 155.4 0.0 348.8



#76
 1,2,3-Trichloropropane
 Concen: 52.249 ug/l
 RT: 12.496 min Scan# 1751
 Delta R.T. -0.146 min
 Lab File: VY016614.D
 Acq: 06 Dec 2023 14:33

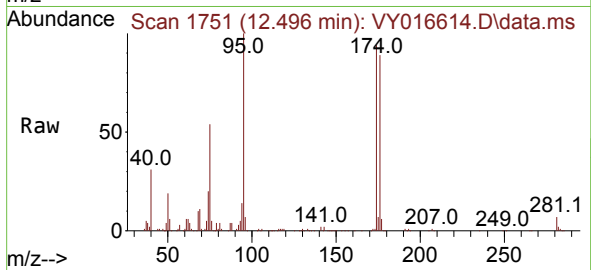
Tgt Ion: 75 Resp: 45873
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.864 ug/l
 RT: 12.496 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY016614.D
 Acq: 06 Dec 2023 14:33

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-02RE



Tgt Ion: 75 Resp: 45873
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

