

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120523\
 Data File : VY016599.D
 Acq On : 05 Dec 2023 16:20
 Operator : SY/MD
 Sample : 05599-05
 Misc : 4.73g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-03

Quant Time: Dec 06 02:26:23 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)

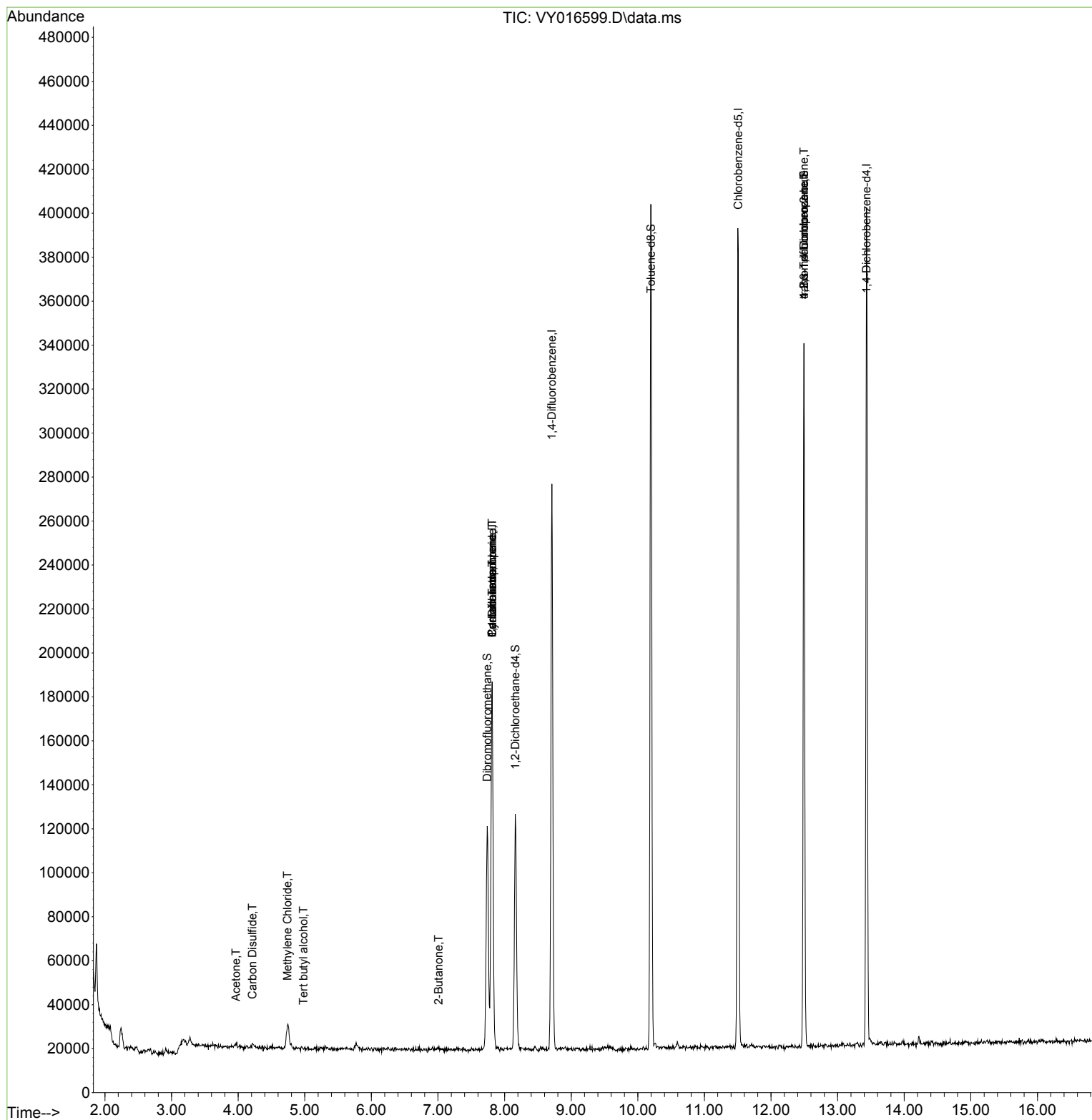
Internal Standards						
1) Pentafluorobenzene	7.813	168	132617	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.709	114	220784	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	216419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	103023	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	87628	71.490	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 142.980%	
35) Dibromofluoromethane	7.740	113	70938	53.390	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.780%	
50) Toluene-d8	10.197	98	254791	50.696	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.400%	
62) 4-Bromofluorobenzene	12.495	95	92549	55.997	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 112.000%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.978	59	225	2.694	ug/l #	89
16) Acetone	3.966	43	2737	9.868	ug/l	93
17) Carbon Disulfide	4.216	76	3446	1.043	ug/l	95
20) Methylene Chloride	4.741	84	8712	4.027	ug/l #	89
25) 2-Butanone	7.008	43	478	1.253	ug/l #	49
31) Cyclohexane	7.813	56	2396	1.145	ug/l #	1
36) 1,1-Dichloropropene	7.813	75	8806	4.360	ug/l #	52
38) Carbon Tetrachloride	7.813	117	12708	5.435	ug/l #	18
76) 1,2,3-Trichloropropane	12.495	75	49442	53.127	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	49442	119.844	ug/l #	11
95) Naphthalene	15.251	128	967	Below Cal	#	73
96) 1,2,3-Trichlorobenzene	15.440	180	50	Below Cal	#	24

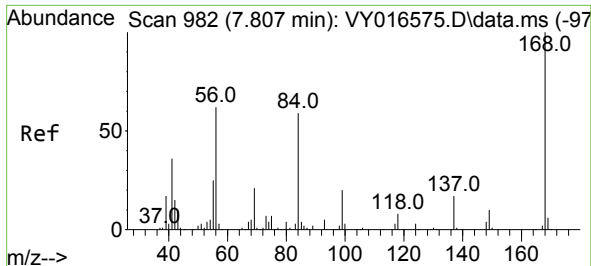
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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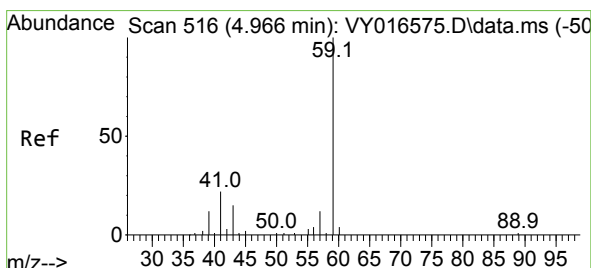
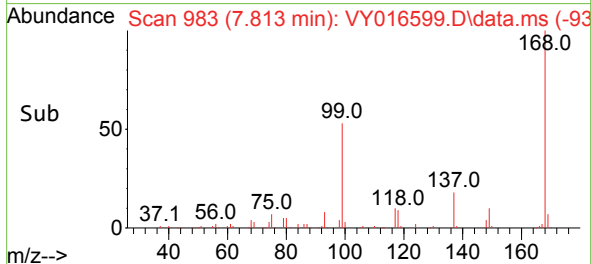
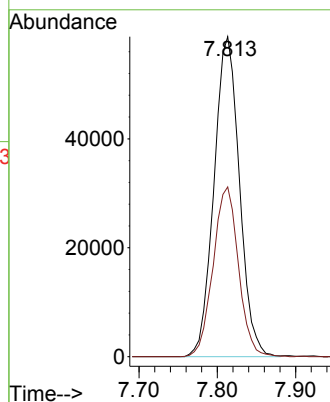
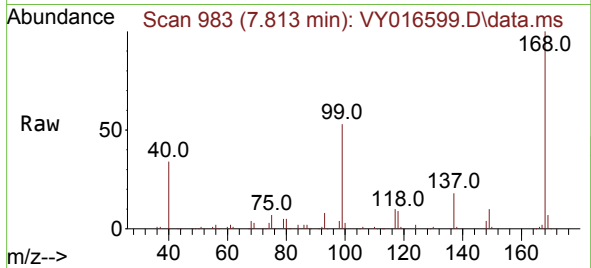




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016599.D
Acq: 05 Dec 2023 16:20

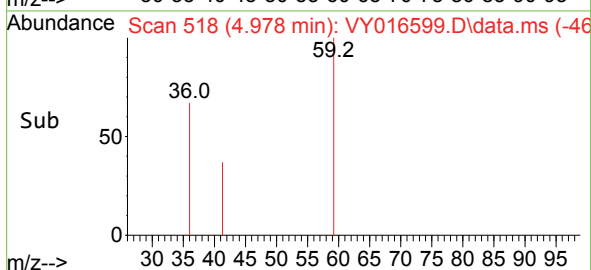
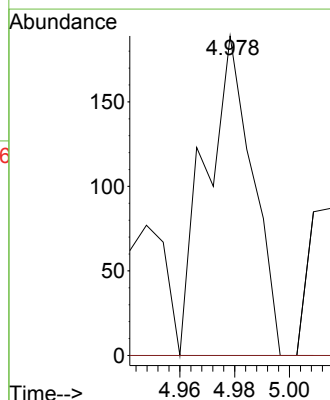
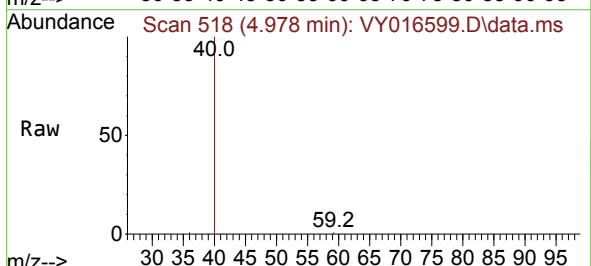
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-03

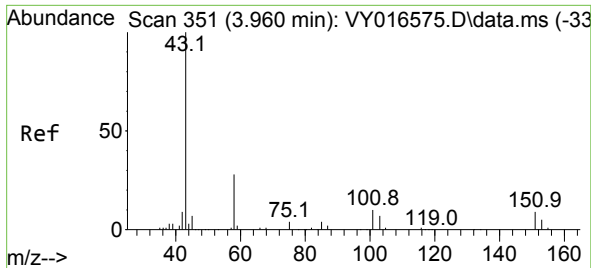
Tgt Ion:168 Resp: 132617
Ion Ratio Lower Upper
168 100
99 53.0 43.4 65.0



#11
Tert butyl alcohol
Concen: 2.694 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.012 min
Lab File: VY016599.D
Acq: 05 Dec 2023 16:20

Tgt Ion: 59 Resp: 225
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

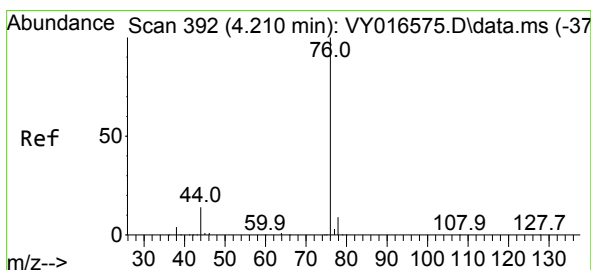
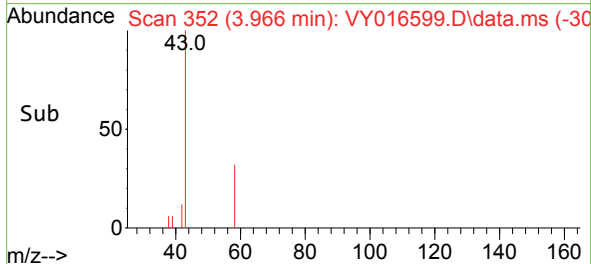
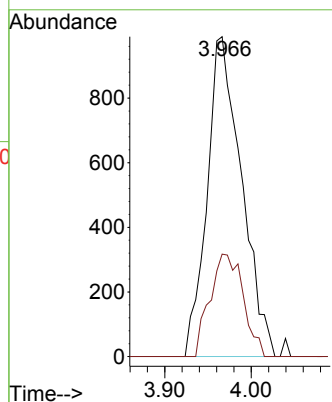
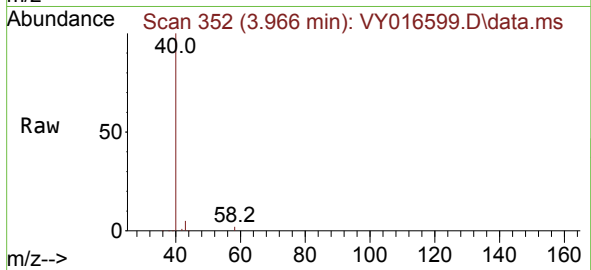




#16
Acetone
Concen: 9.868 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY016599.D
Acq: 05 Dec 2023 16:20

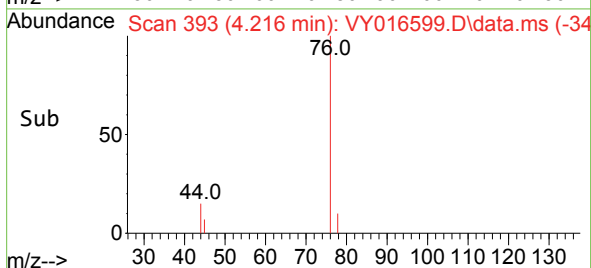
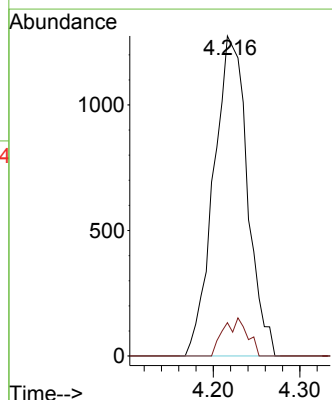
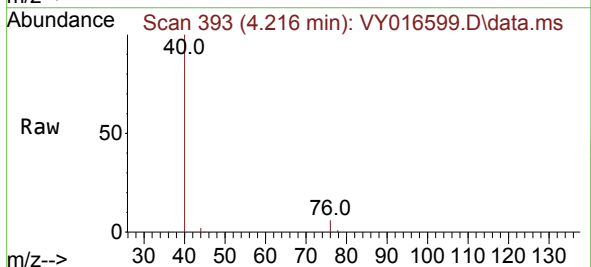
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-03

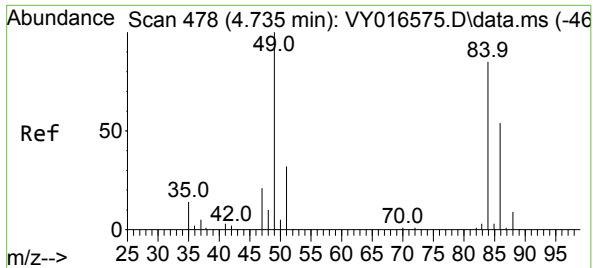
Tgt Ion: 43 Resp: 2737
Ion Ratio Lower Upper
43 100
58 32.0 22.7 34.1



#17
Carbon Disulfide
Concen: 1.043 ug/l
RT: 4.216 min Scan# 393
Delta R.T. 0.006 min
Lab File: VY016599.D
Acq: 05 Dec 2023 16:20

Tgt Ion: 76 Resp: 3446
Ion Ratio Lower Upper
76 100
78 10.4 7.0 10.4

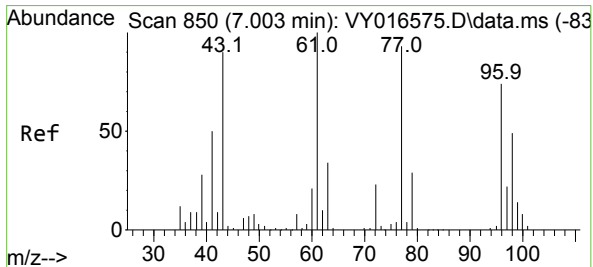
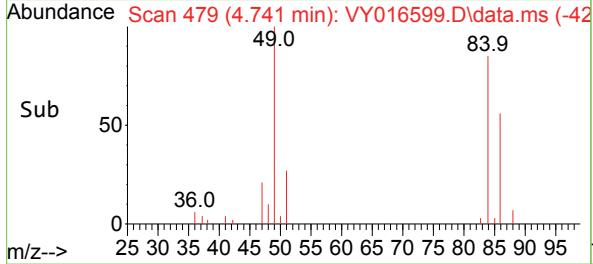
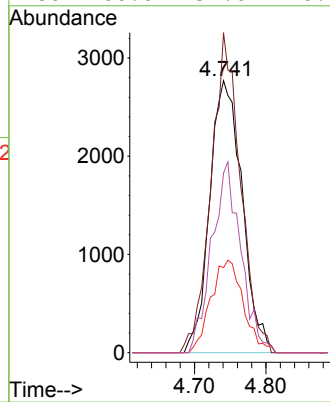
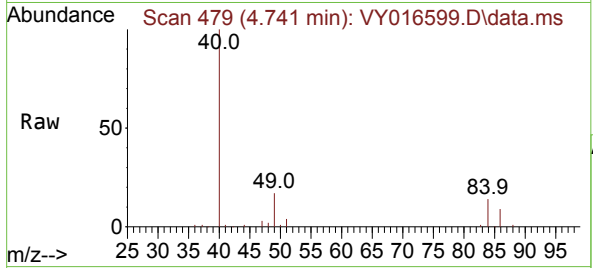




#20
Methylene Chloride
Concen: 4.027 ug/l
RT: 4.741 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY016599.D
Acq: 05 Dec 2023 16:20

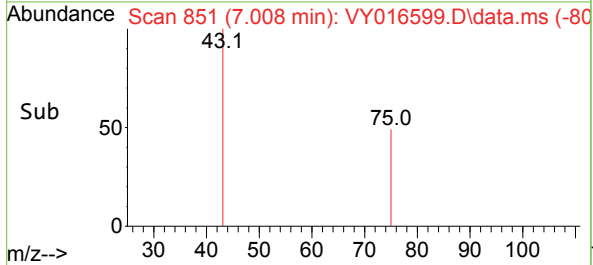
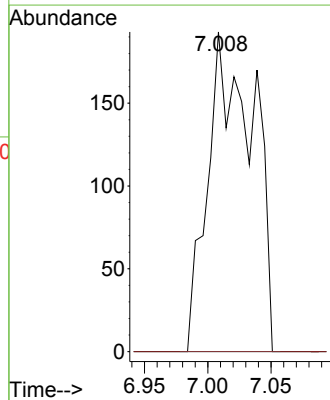
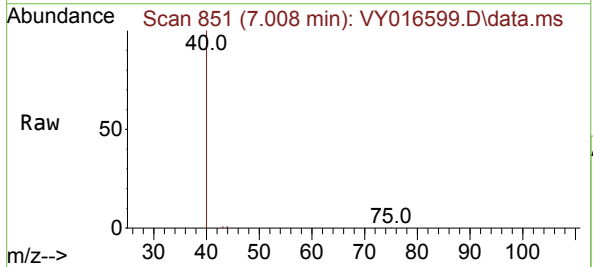
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-03

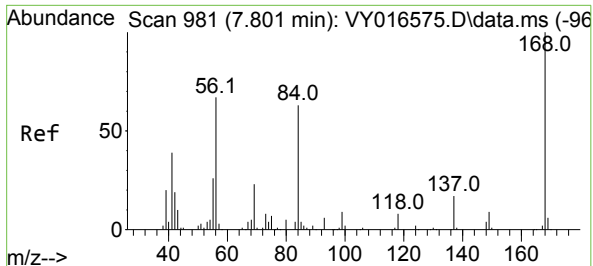
Tgt Ion:	84	Resp:	8712
Ion	Ratio	Lower	Upper
84	100		
49	117.6	106.9	160.3
51	31.3	33.2	49.8#
86	66.0	51.0	76.6



#25
2-Butanone
Concen: 1.253 ug/l
RT: 7.008 min Scan# 851
Delta R.T. 0.006 min
Lab File: VY016599.D
Acq: 05 Dec 2023 16:20

Tgt Ion:	43	Resp:	478
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#

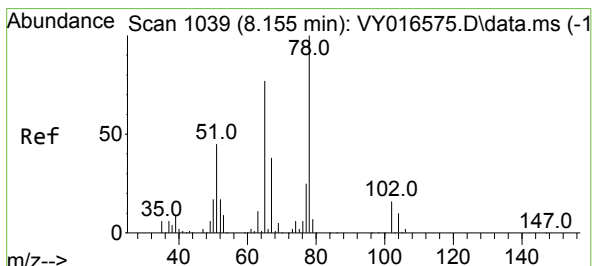
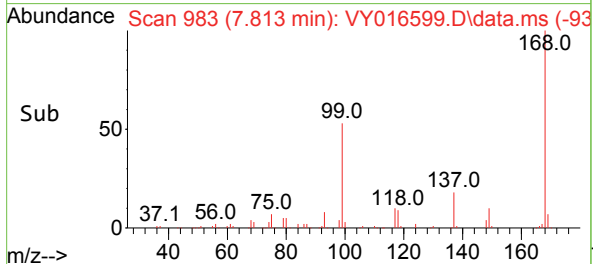
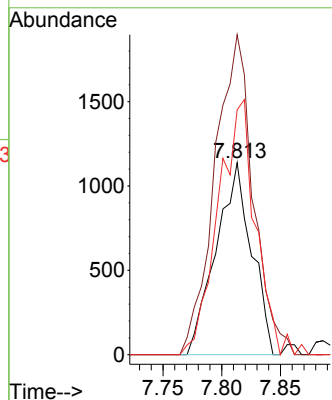
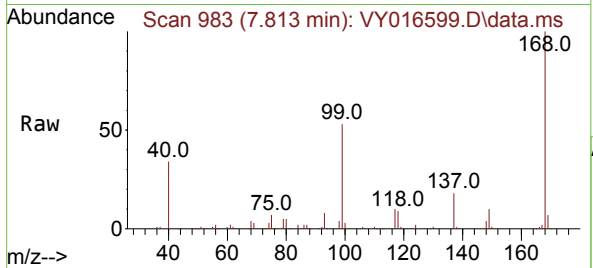




#31
Cyclohexane
Concen: 1.145 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016599.D
Acq: 05 Dec 2023 16:20

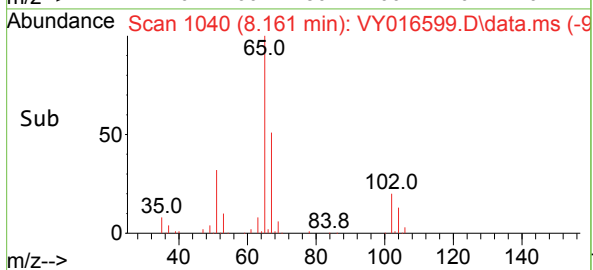
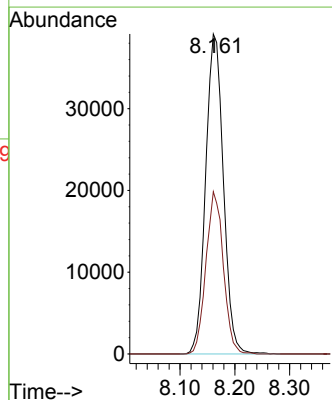
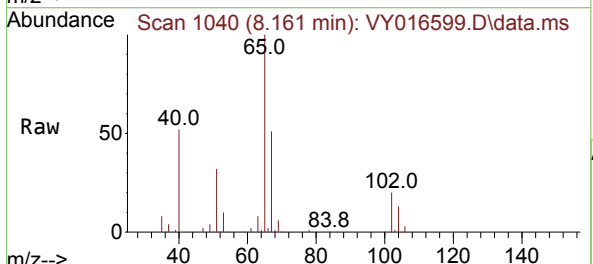
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-03

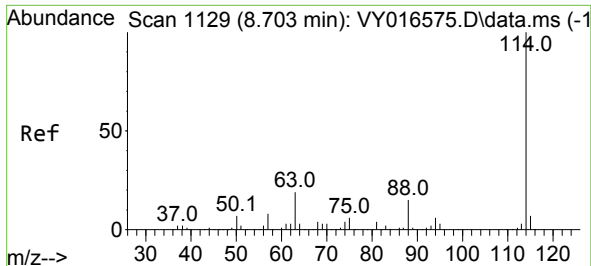
Tgt Ion: 56 Resp: 2396
Ion Ratio Lower Upper
56 100
69 166.7 27.8 41.6#
84 127.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 71.490 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY016599.D
Acq: 05 Dec 2023 16:20

Tgt Ion: 65 Resp: 87628
Ion Ratio Lower Upper
65 100
67 49.7 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY016599.D

Acq: 05 Dec 2023 16:20

Instrument :

MSVOA_Y

ClientSampleId :

LKWD-BACKFILL-03

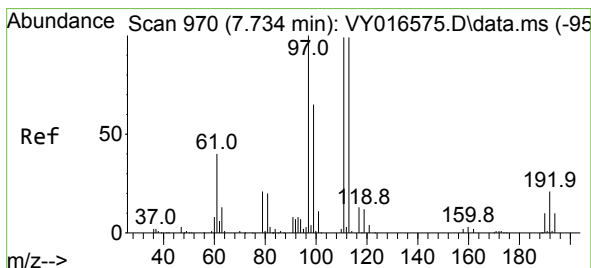
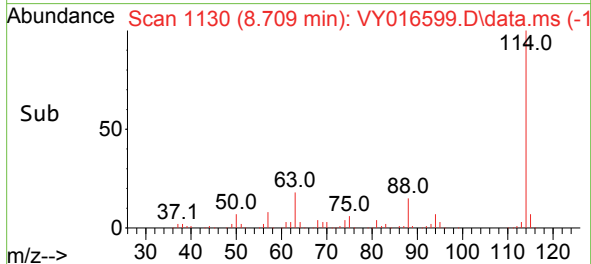
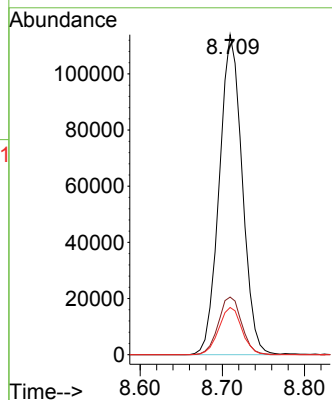
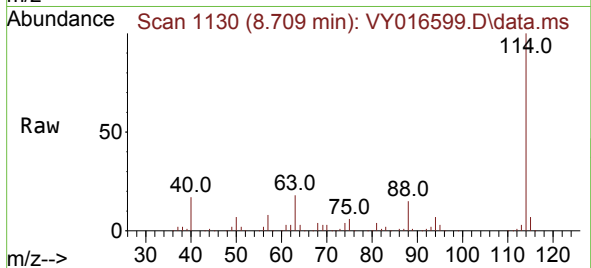
Tgt Ion:114 Resp: 220784

Ion Ratio Lower Upper

114 100

63 18.0 0.0 42.4

88 14.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 53.390 ug/l

RT: 7.740 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY016599.D

Acq: 05 Dec 2023 16:20

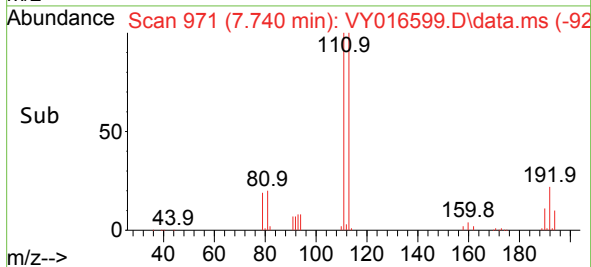
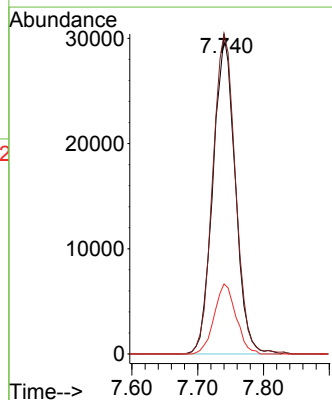
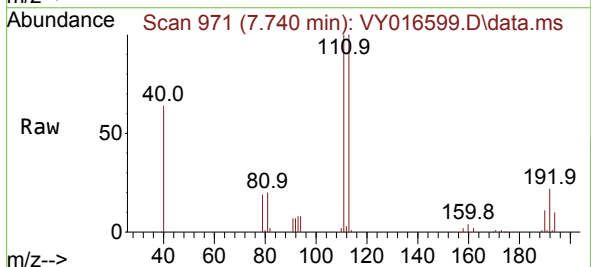
Tgt Ion:113 Resp: 70938

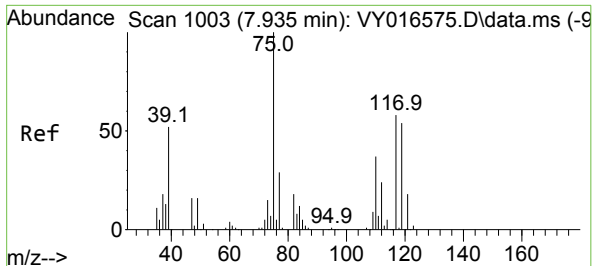
Ion Ratio Lower Upper

113 100

111 103.3 81.3 121.9

192 21.7 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.360 ug/l

RT: 7.813 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY016599.D

Acq: 05 Dec 2023 16:20

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ClientSampleId :

LKWD-BACKFILL-03

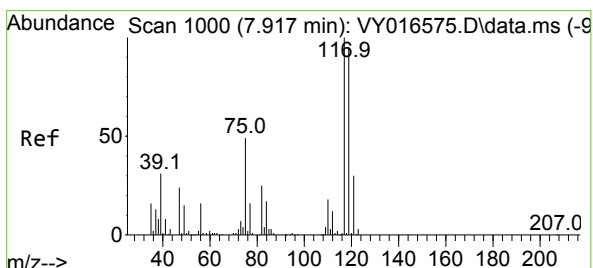
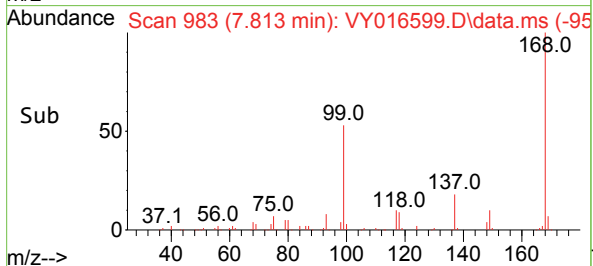
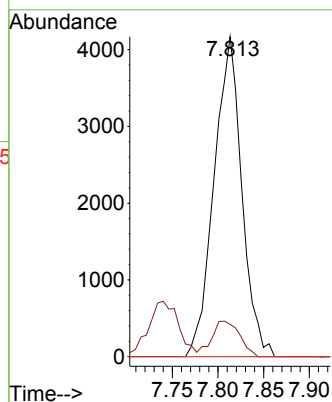
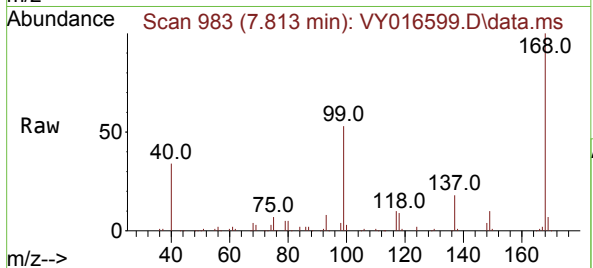
Tgt Ion: 75 Resp: 8806

Ion Ratio Lower Upper

75 100

110 11.2 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.435 ug/l

RT: 7.813 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY016599.D

Acq: 05 Dec 2023 16:20

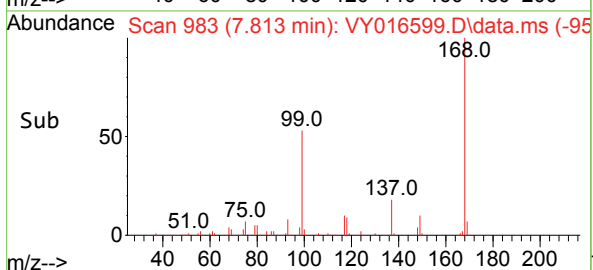
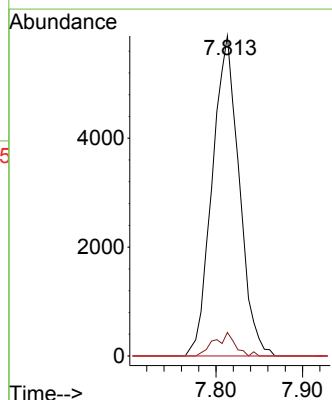
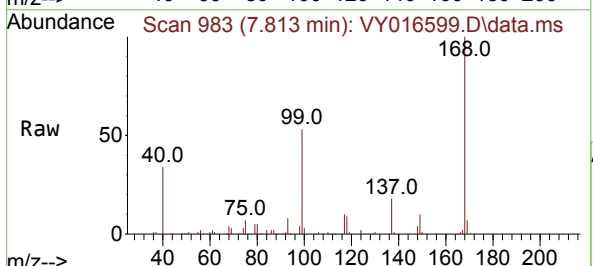
Tgt Ion: 117 Resp: 12708

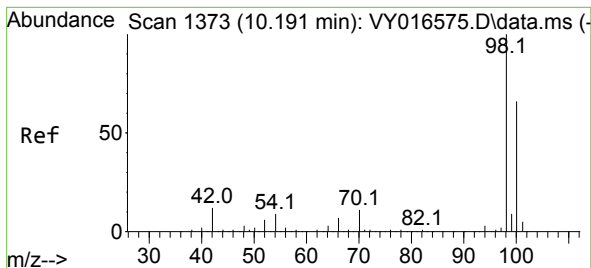
Ion Ratio Lower Upper

117 100

119 7.4 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.696 ug/l

RT: 10.197 min Scan# 11

Delta R.T. 0.006 min

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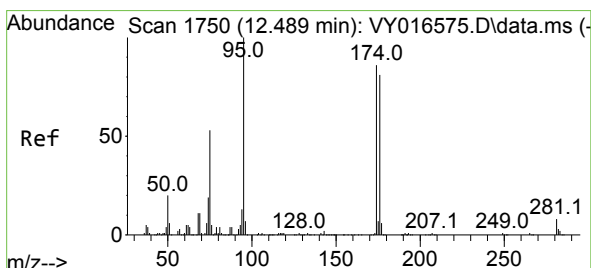
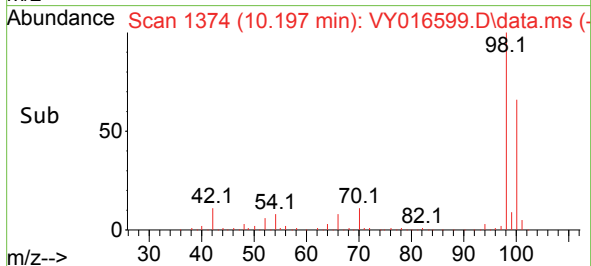
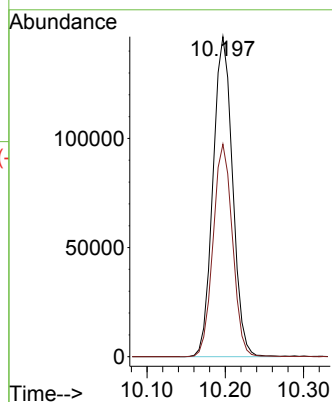
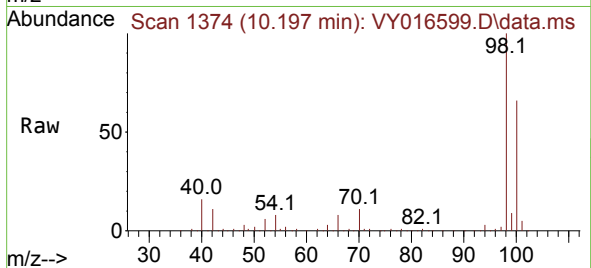
LKWD-BACKFILL-03

Tgt Ion: 98 Resp: 254791

Ion Ratio Lower Upper

98 100

100 65.6 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 55.997 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY016599.D

Acq: 05 Dec 2023 16:20

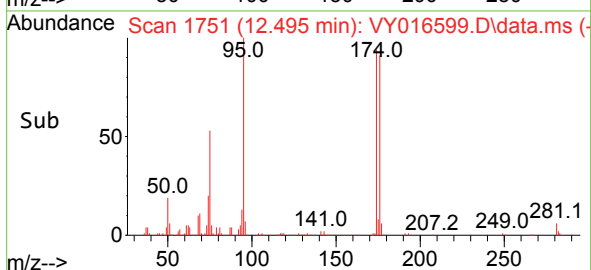
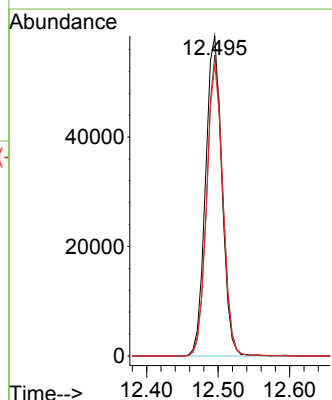
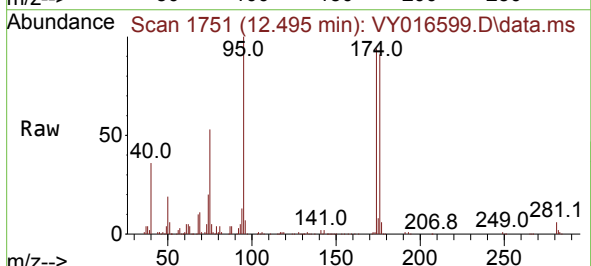
Tgt Ion: 95 Resp: 92549

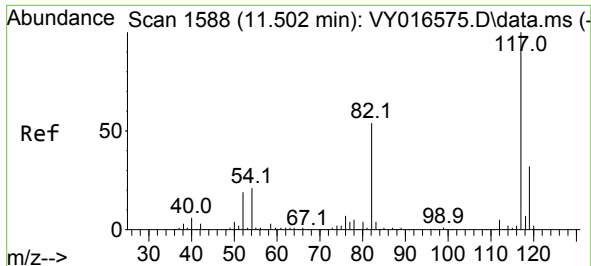
Ion Ratio Lower Upper

95 100

174 93.0 0.0 178.2

176 90.0 0.0 173.8

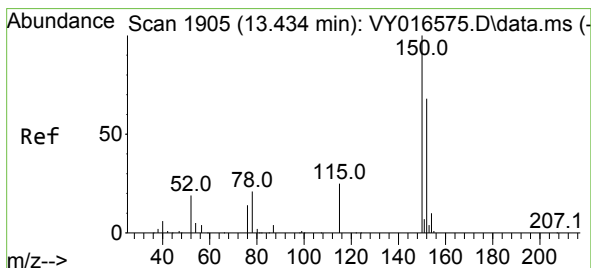
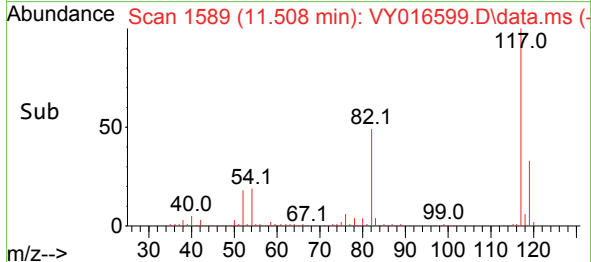
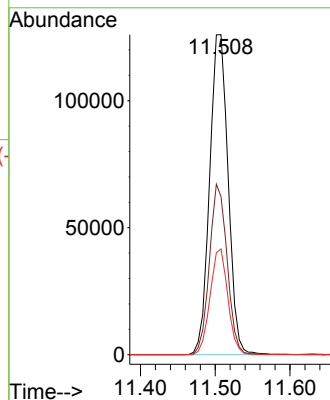
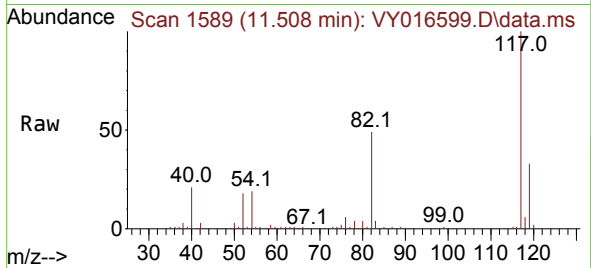




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016599.D
Acq: 05 Dec 2023 16:20

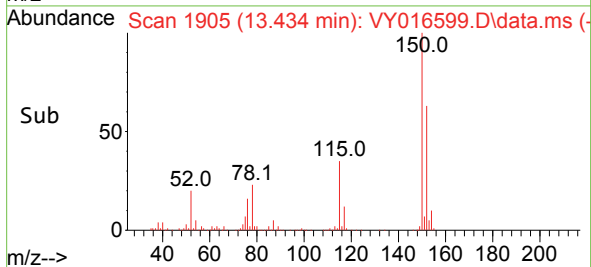
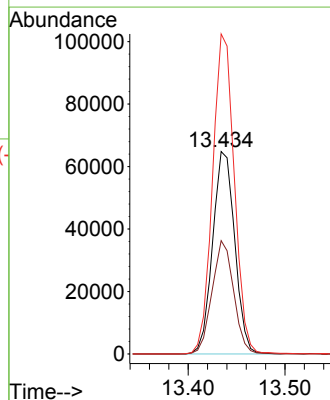
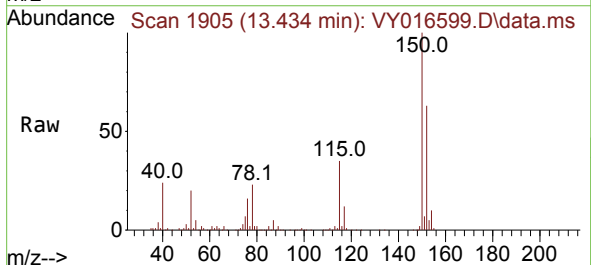
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-03

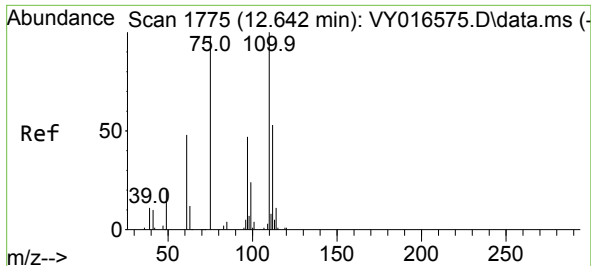
Tgt Ion:117 Resp: 216419
Ion Ratio Lower Upper
117 100
82 49.4 43.4 65.0
119 33.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VY016599.D
Acq: 05 Dec 2023 16:20

Tgt Ion:152 Resp: 103023
Ion Ratio Lower Upper
152 100
115 54.7 28.8 86.5
150 155.6 0.0 348.8

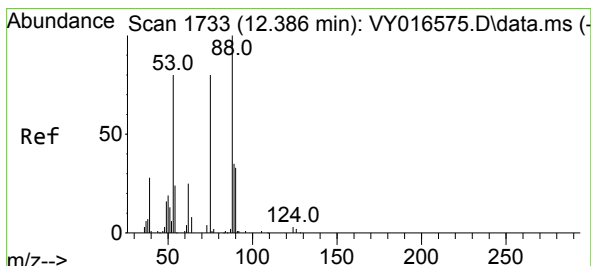
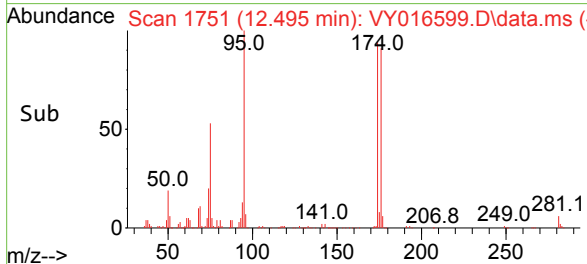
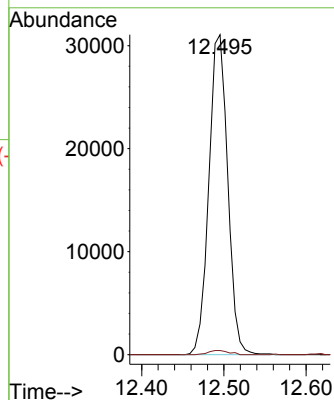
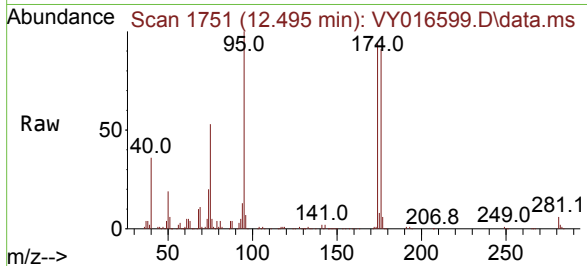




#76
1,2,3-Trichloropropane
Concen: 53.127 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.147 min
Lab File: VY016599.D
Acq: 05 Dec 2023 16:20

Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-03

Tgt Ion: 75 Resp: 49442
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.844 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.109 min
Lab File: VY016599.D
Acq: 05 Dec 2023 16:20

Tgt Ion: 75 Resp: 49442
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

