

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120523\
 Data File : VY016598.D
 Acq On : 05 Dec 2023 15:56
 Operator : SY/MD
 Sample : 05599-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-02

Quant Time: Dec 06 02:26:03 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)

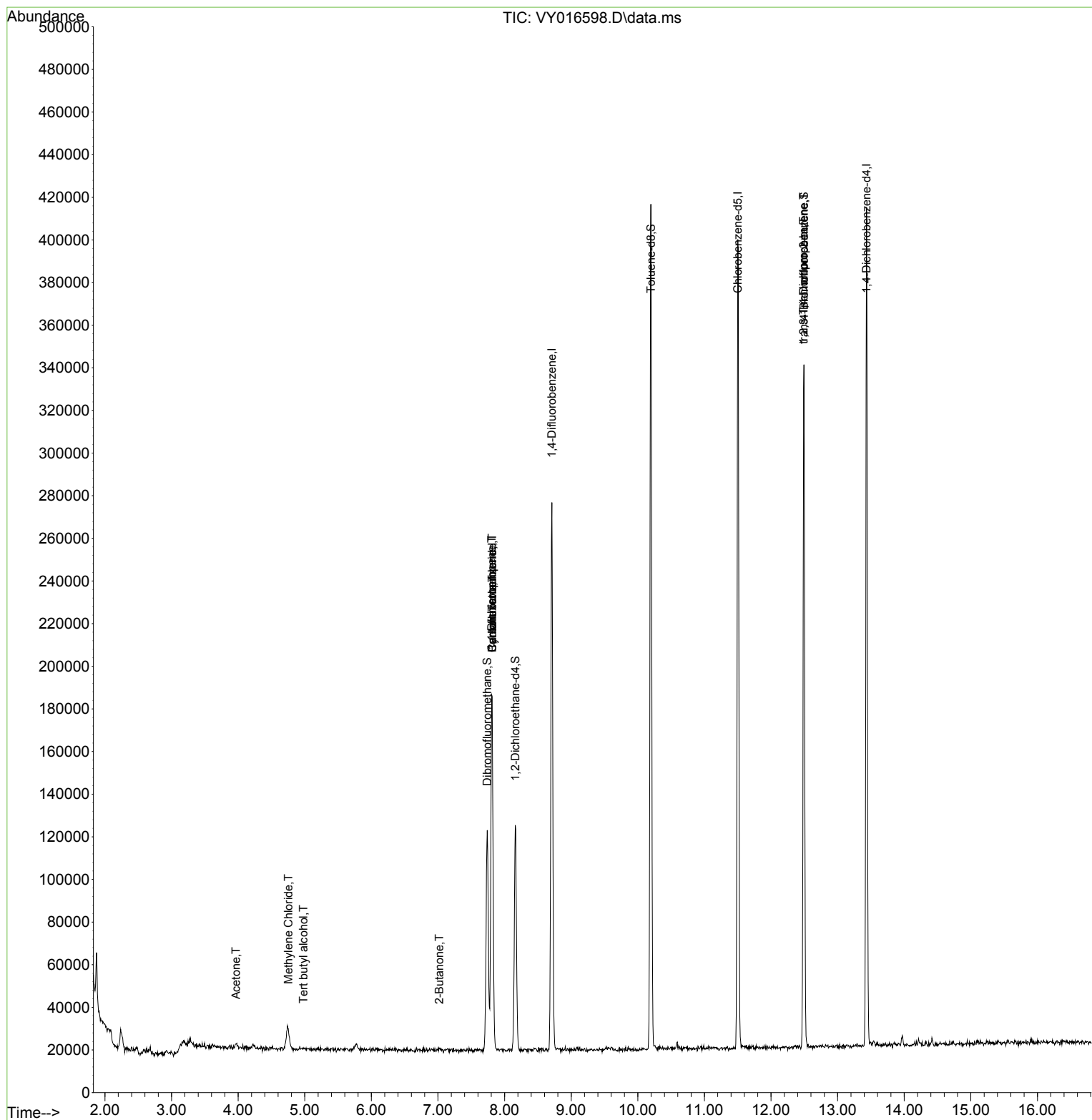
Internal Standards						
1) Pentafluorobenzene	7.813	168	137685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.710	114	227927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	217853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	104149	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	88177	69.290	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 138.580%			
35) Dibromofluoromethane	7.740	113	71234	51.932	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.860%			
50) Toluene-d8	10.197	98	263272	50.742	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.480%			
62) 4-Bromofluorobenzene	12.495	95	93229	54.640	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.280%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.978	59	345	3.979	ug/l #	89
16) Acetone	3.966	43	2664	9.251	ug/l	92
20) Methylene Chloride	4.753	84	8384	3.469	ug/l #	81
25) 2-Butanone	7.021	43	491	1.240	ug/l #	49
31) Cyclohexane	7.813	56	2572	1.184	ug/l #	32
36) 1,1-Dichloropropene	7.807	75	9145	4.386	ug/l #	51
38) Carbon Tetrachloride	7.813	117	13006	5.388	ug/l #	17
76) 1,2,3-Trichloropropane	12.489	75	49650	52.774	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	49650	119.047	ug/l #	10
95) Naphthalene	15.251	128	1141	Below Cal	#	76
96) 1,2,3-Trichlorobenzene	15.434	180	159	Below Cal	#	69

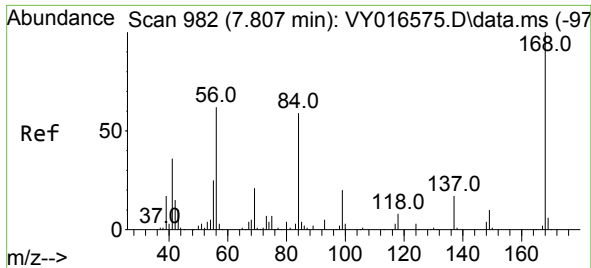
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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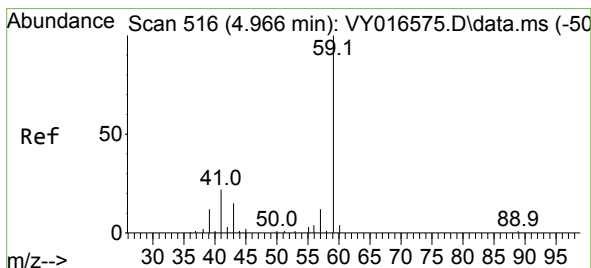
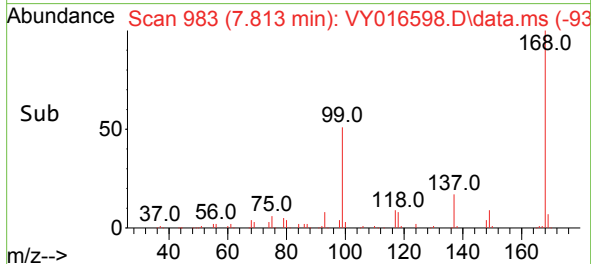
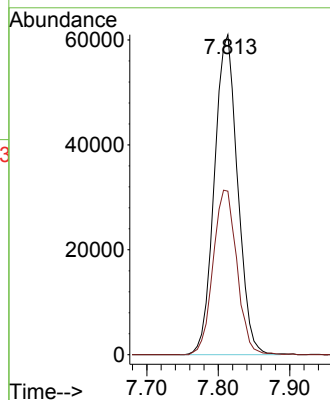
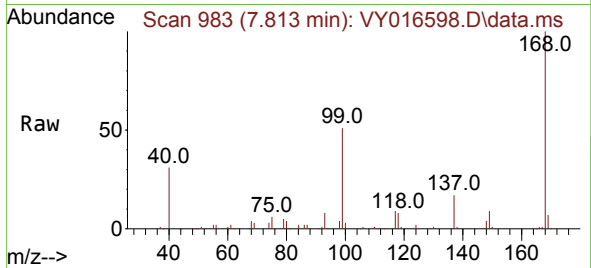




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016598.D
Acq: 05 Dec 2023 15:56

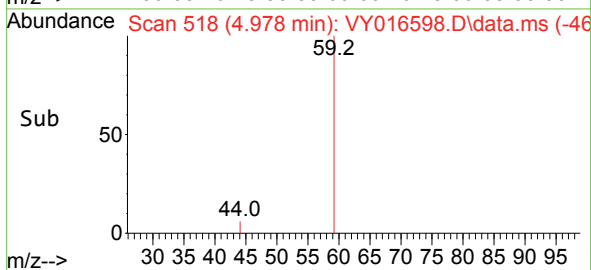
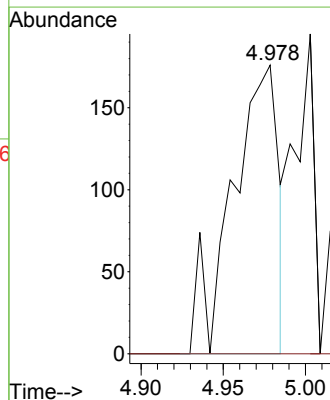
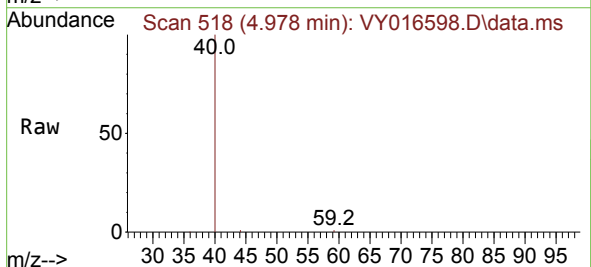
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-02

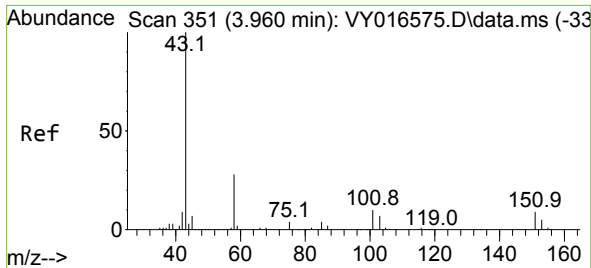
Tgt Ion:168 Resp: 137685
Ion Ratio Lower Upper
168 100
99 51.1 43.4 65.0



#11
Tert butyl alcohol
Concen: 3.979 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.012 min
Lab File: VY016598.D
Acq: 05 Dec 2023 15:56

Tgt Ion: 59 Resp: 345
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

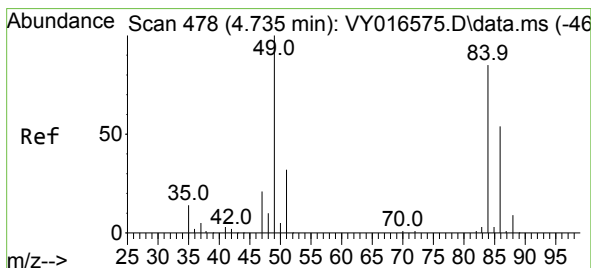
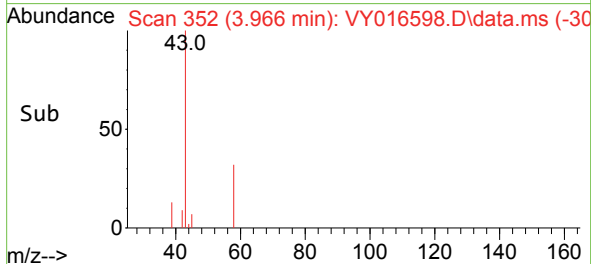
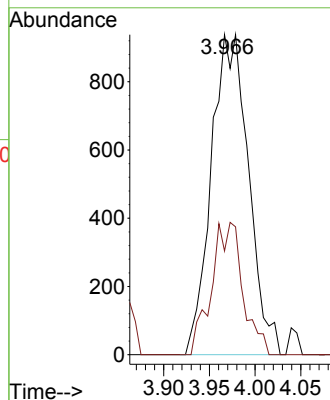
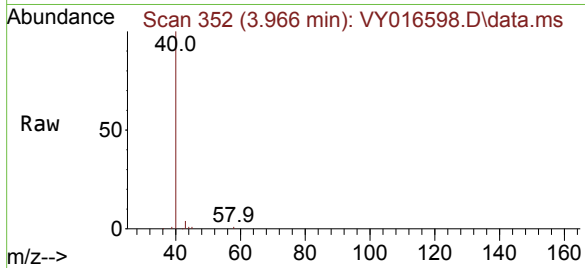




#16
Acetone
Concen: 9.251 ug/l
RT: 3.966 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY016598.D
Acq: 05 Dec 2023 15:56

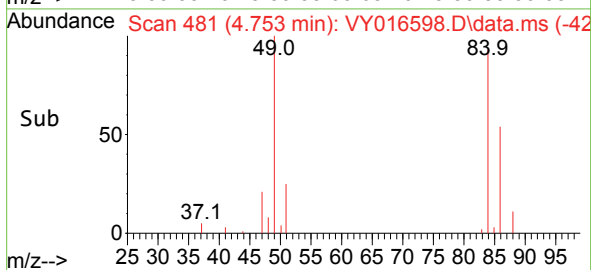
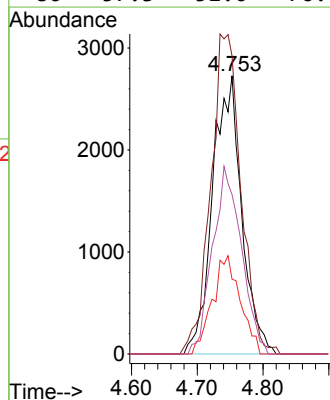
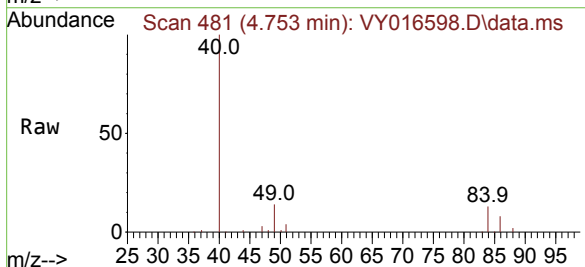
Instrument :
MSVOA_Y
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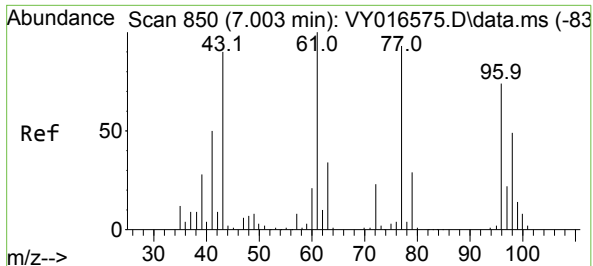
Tgt Ion: 43 Resp: 2664
Ion Ratio Lower Upper
43 100
58 32.4 22.7 34.1



#20
Methylene Chloride
Concen: 3.469 ug/l
RT: 4.753 min Scan# 481
Delta R.T. 0.018 min
Lab File: VY016598.D
Acq: 05 Dec 2023 15:56

Tgt Ion: 84 Resp: 8384
Ion Ratio Lower Upper
84 100
49 107.0 106.9 160.3
51 26.9 33.2 49.8#
86 57.3 51.0 76.6





#25

2-Butanone

Concen: 1.240 ug/l

RT: 7.021 min Scan# 8

Delta R.T. 0.018 min

Lab File: VY016598.D

Acq: 05 Dec 2023 15:56

Instrument :

MSVOA_Y

ClientSampleId :

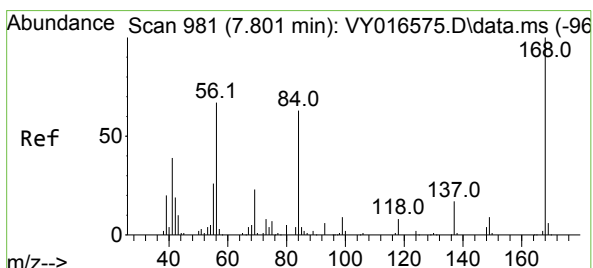
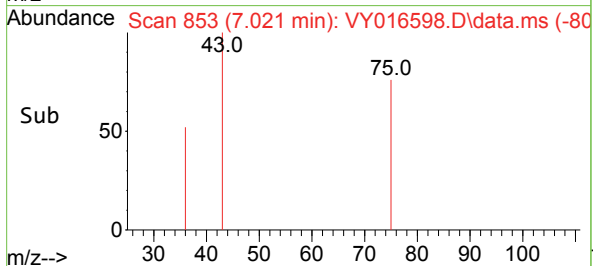
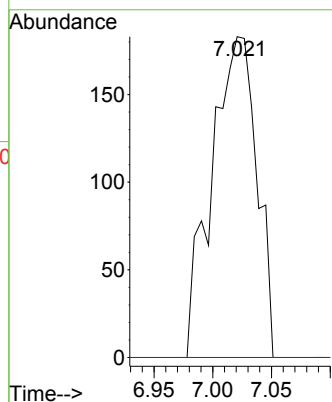
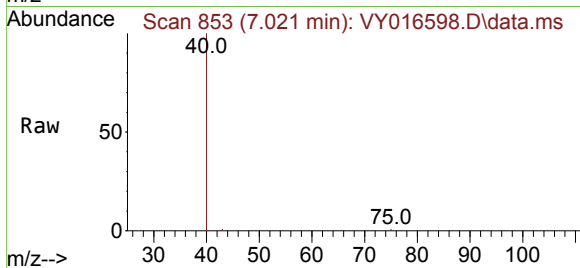
LKWD-BACKFILL-02

Tgt Ion: 43 Resp: 491

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#



#31

Cyclohexane

Concen: 1.184 ug/l

RT: 7.813 min Scan# 983

Delta R.T. 0.012 min

Lab File: VY016598.D

Acq: 05 Dec 2023 15:56

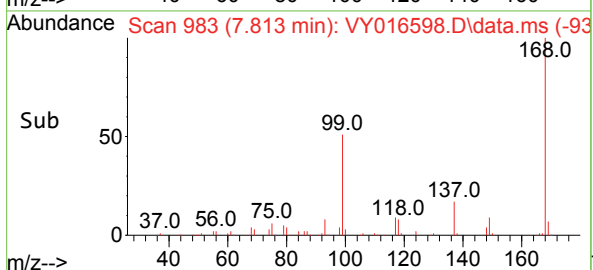
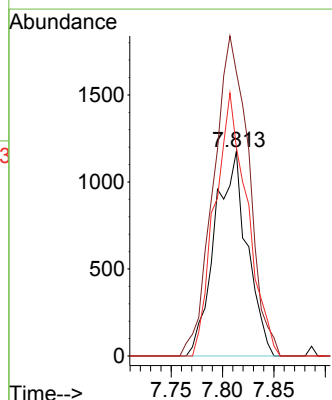
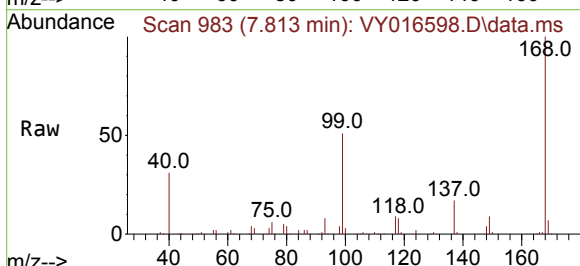
Tgt Ion: 56 Resp: 2572

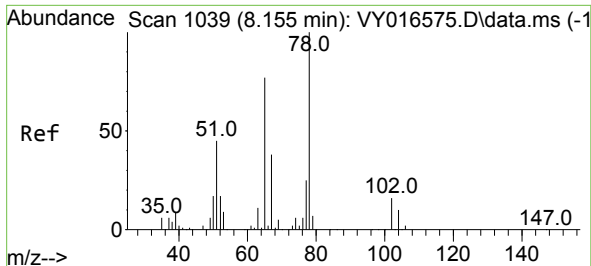
Ion Ratio Lower Upper

56 100

69 138.8 27.8 41.6#

84 102.1 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 69.290 ug/l

RT: 8.161 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY016598.D

Acq: 05 Dec 2023 15:56

Instrument :

MSVOA_Y

ClientSampleId :

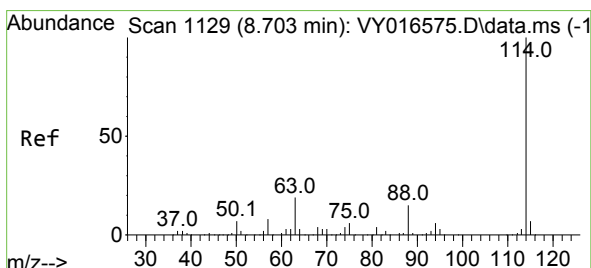
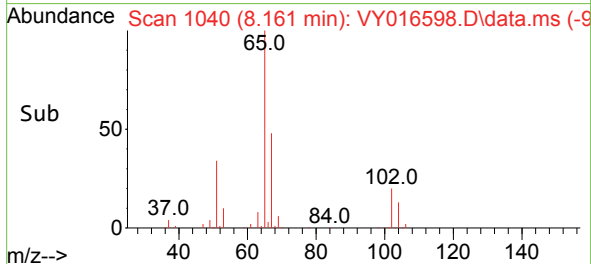
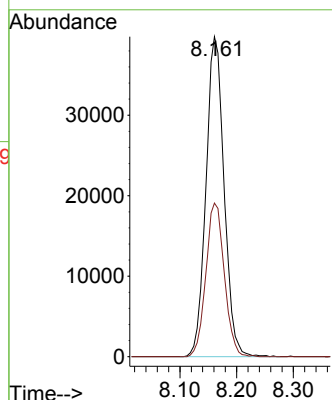
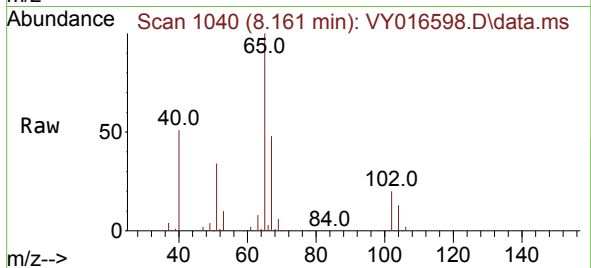
LKWD-BACKFILL-02

Tgt Ion: 65 Resp: 88177

Ion Ratio Lower Upper

65 100

67 48.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.710 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VY016598.D

Acq: 05 Dec 2023 15:56

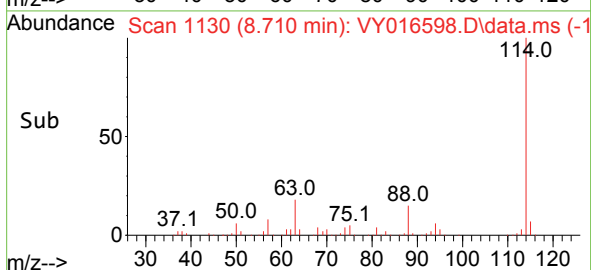
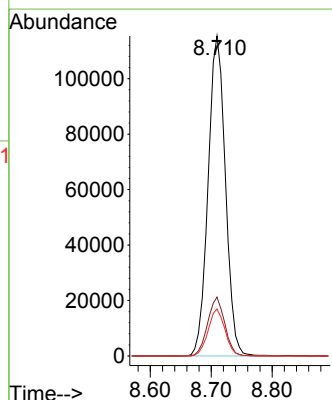
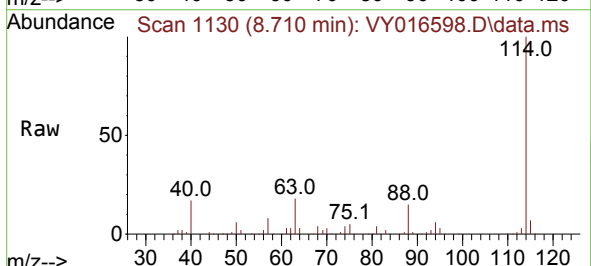
Tgt Ion: 114 Resp: 227927

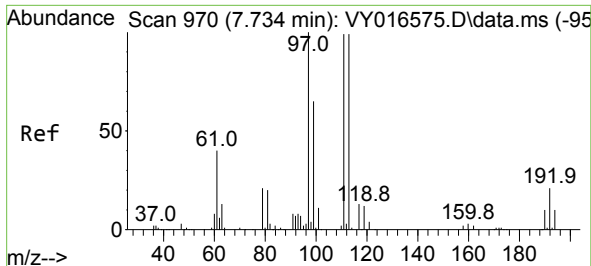
Ion Ratio Lower Upper

114 100

63 18.4 0.0 42.4

88 14.7 0.0 30.6

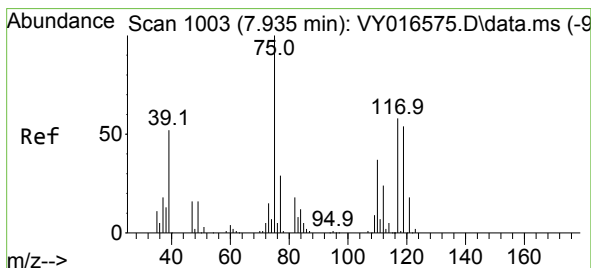
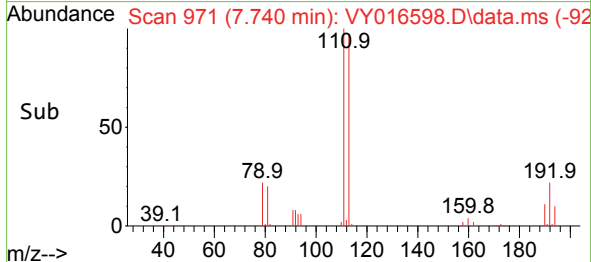
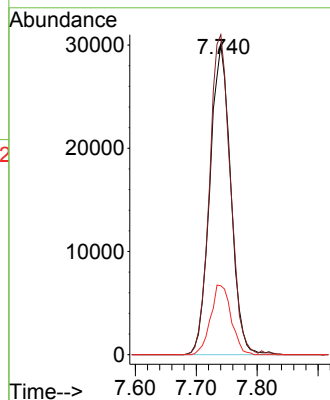
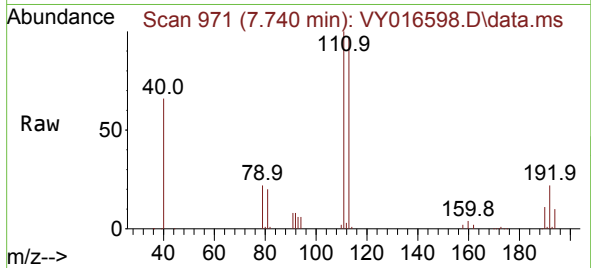




#35
Dibromofluoromethane
Concen: 51.932 ug/l
RT: 7.740 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016598.D
Acq: 05 Dec 2023 15:56

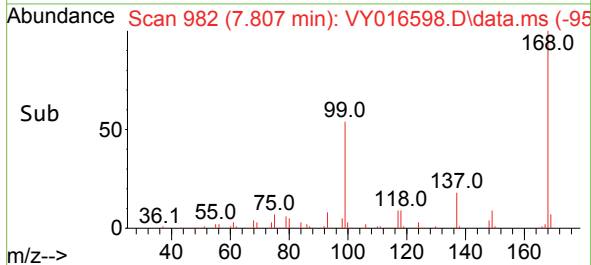
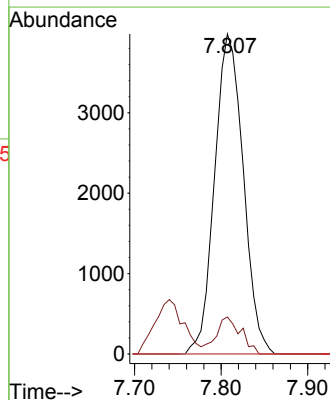
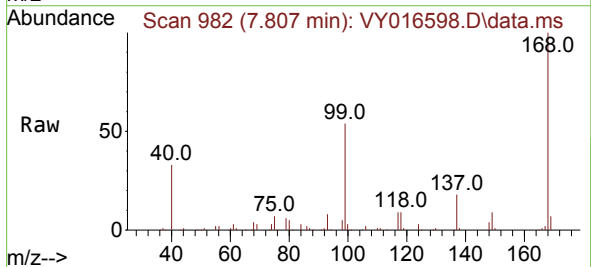
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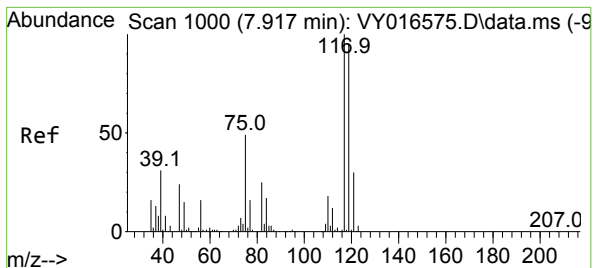
Tgt Ion:113 Resp: 71234
Ion Ratio Lower Upper
113 100
111 103.2 81.3 121.9
192 22.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.386 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY016598.D
Acq: 05 Dec 2023 15:56

Tgt Ion: 75 Resp: 9145
Ion Ratio Lower Upper
75 100
110 10.1 17.8 53.5#
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.388 ug/l

RT: 7.813 min Scan# 91

Delta R.T. -0.104 min

Lab File: VY016598.D

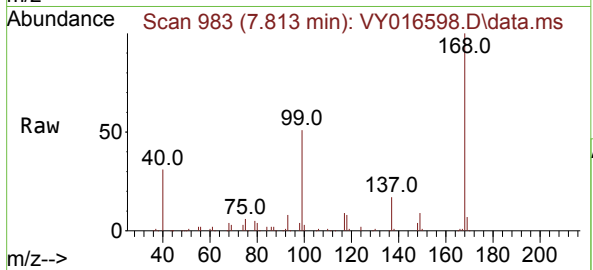
Acq: 05 Dec 2023 15:56

Instrument :

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ClientSampleId :

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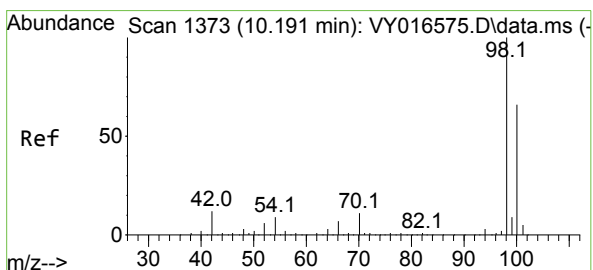
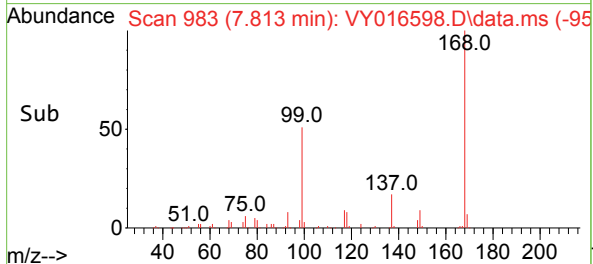
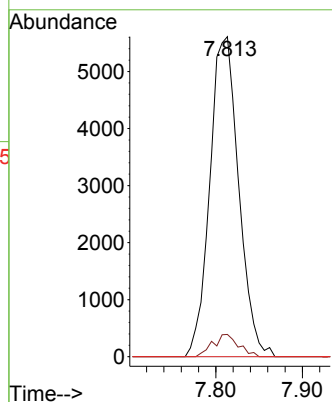
Tgt Ion:117 Resp: 13006

Ion Ratio Lower Upper

117 100

119 6.9 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 50.742 ug/l

RT: 10.197 min Scan# 1374

Delta R.T. 0.006 min

Lab File: VY016598.D

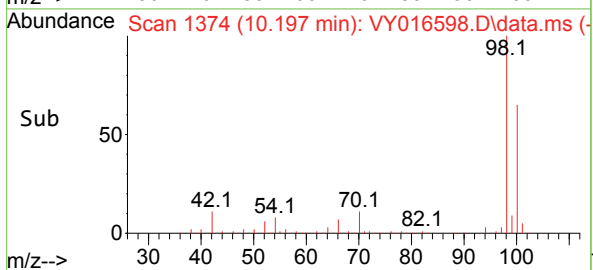
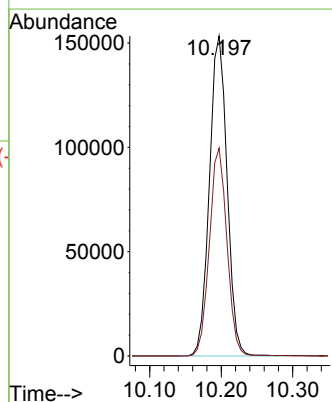
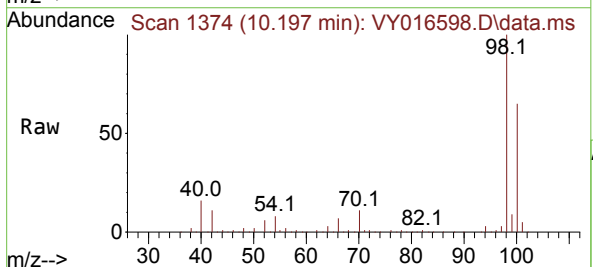
Acq: 05 Dec 2023 15:56

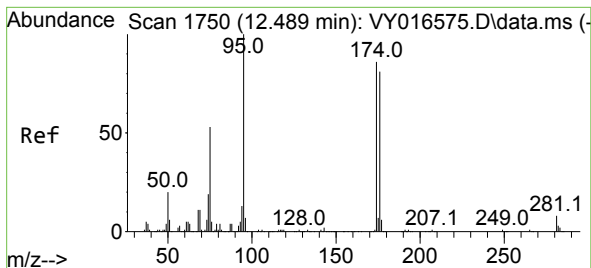
Tgt Ion: 98 Resp: 263272

Ion Ratio Lower Upper

98 100

100 64.4 50.1 75.1

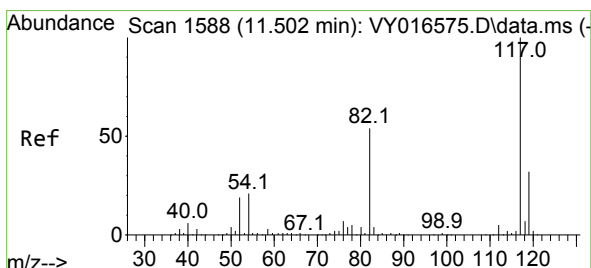
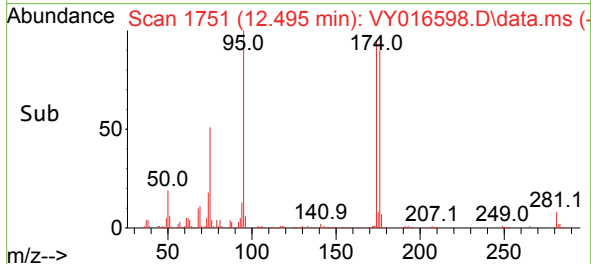
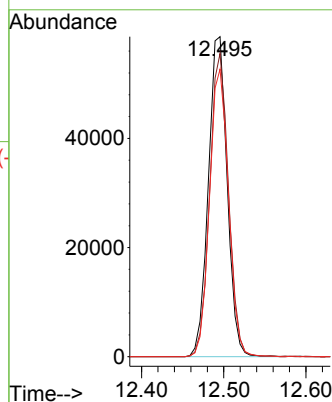
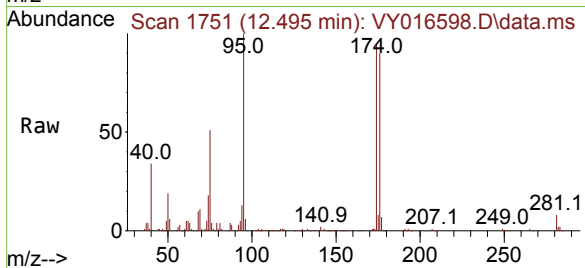




#62
4-Bromofluorobenzene
Concen: 54.640 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016598.D
Acq: 05 Dec 2023 15:56

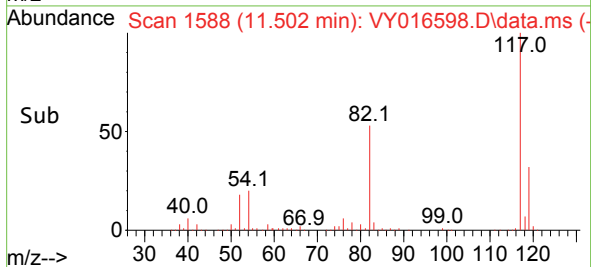
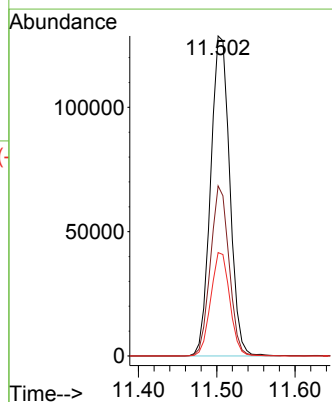
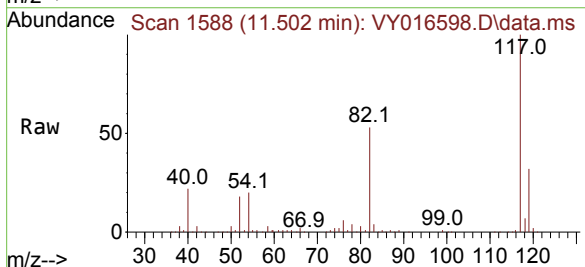
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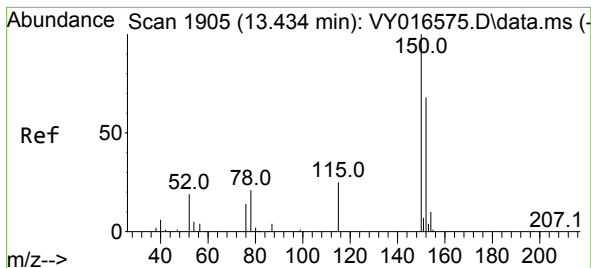
Tgt Ion: 95 Resp: 93229
Ion Ratio Lower Upper
95 100
174 94.6 0.0 178.2
176 90.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016598.D
Acq: 05 Dec 2023 15:56

Tgt Ion: 117 Resp: 217853
Ion Ratio Lower Upper
117 100
82 53.2 43.4 65.0
119 32.3 26.3 39.5

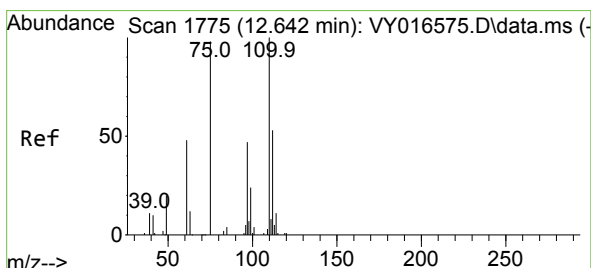
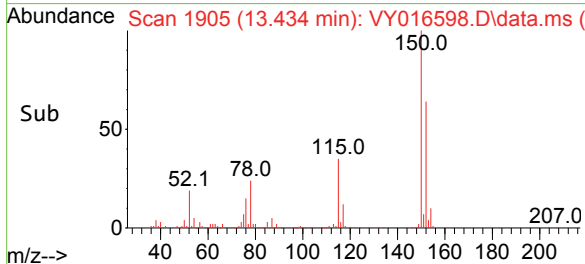
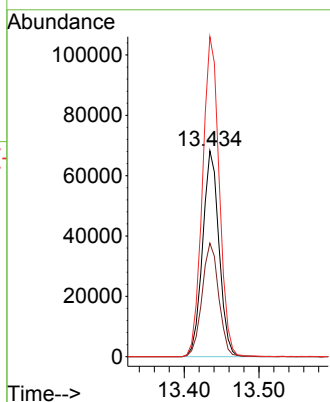
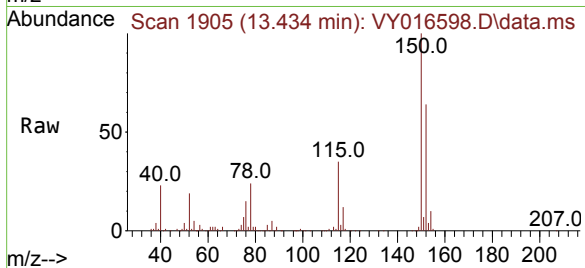




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. -0.000 min
Lab File: VY016598.D
Acq: 05 Dec 2023 15:56

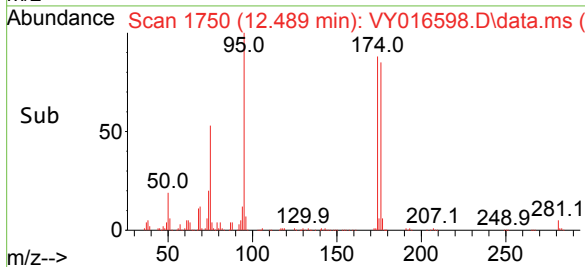
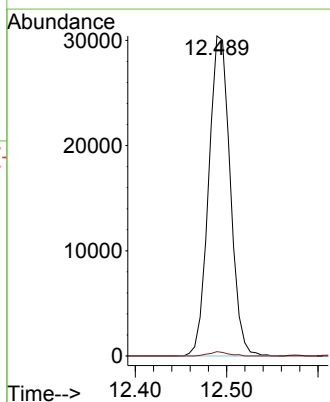
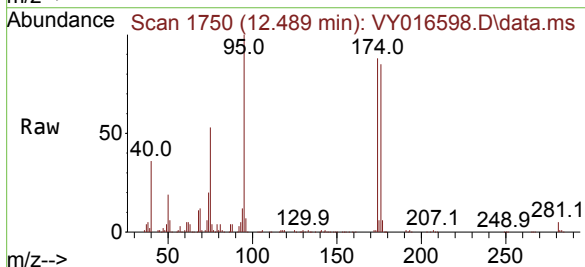
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-02

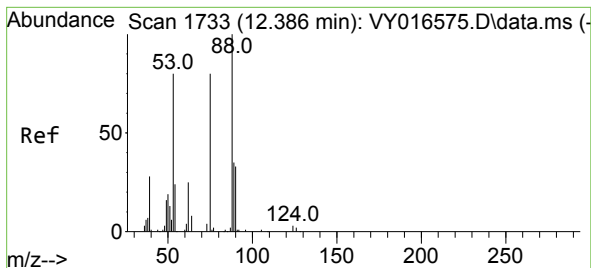
Tgt Ion:152 Resp: 104149
Ion Ratio Lower Upper
152 100
115 56.1 28.8 86.5
150 158.2 0.0 348.8



#76
1,2,3-Trichloropropane
Concen: 52.774 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.152 min
Lab File: VY016598.D
Acq: 05 Dec 2023 15:56

Tgt Ion: 75 Resp: 49650
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.047 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY016598.D
 Acq: 05 Dec 2023 15:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-02

Tgt Ion: 75 Resp: 49650
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

