

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022724\
 Data File : VY017505.D
 Acq On : 27 Feb 2024 18:36
 Operator : SY/MD
 Sample : P1564-03RE
 Misc : 3.57g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LKWD-BACKFILL-10

Quant Time: Feb 28 00:20:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

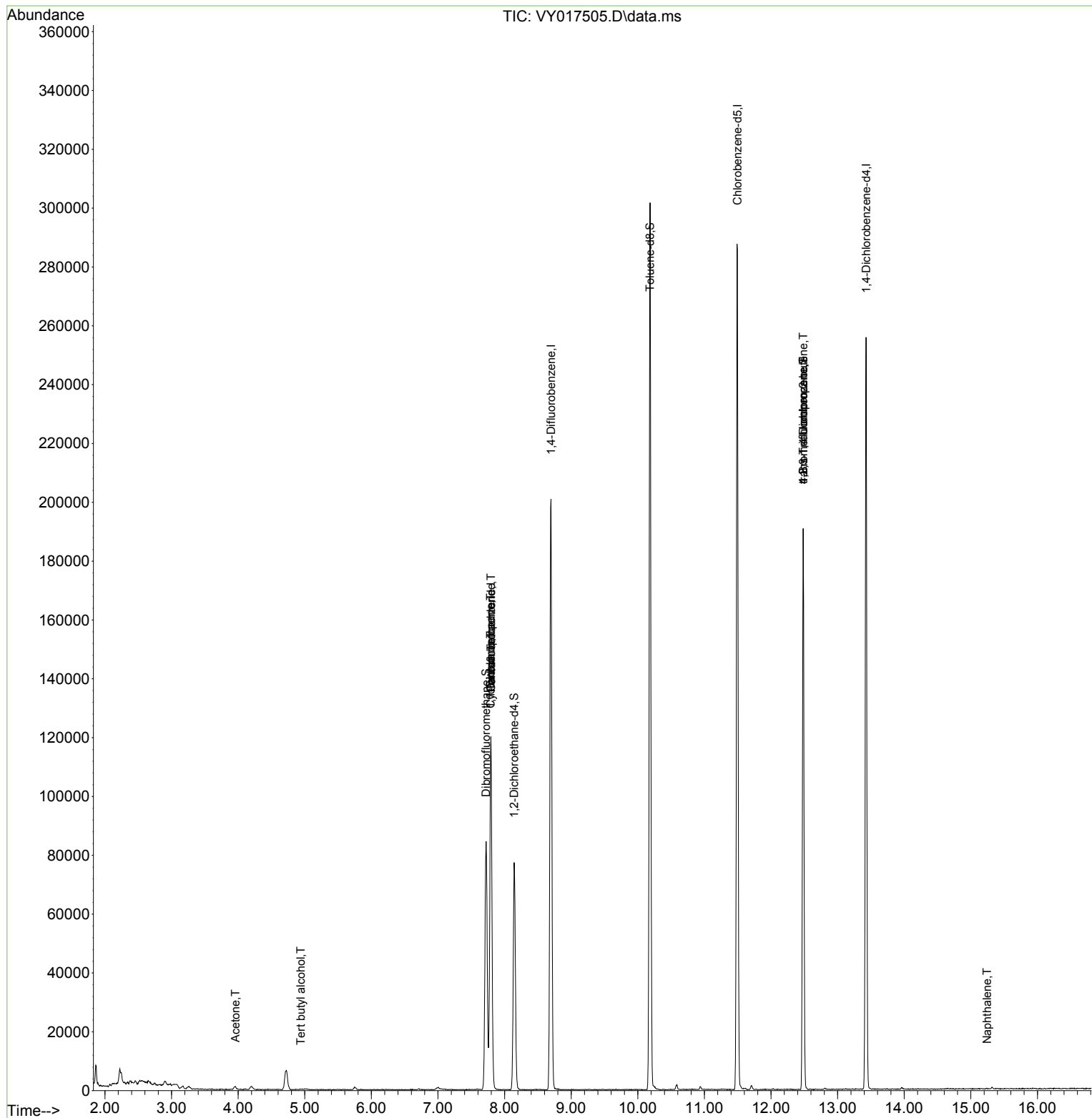
Internal Standards						
1) Pentafluorobenzene	7.795	168	100117	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	188059	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	171658	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	71195	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	57181	60.264	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.520%
35) Dibromofluoromethane	7.722	113	62588	47.761	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.520%
50) Toluene-d8	10.185	98	204504	44.634	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.260%
62) 4-Bromofluorobenzene	12.483	95	58690	40.758	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.520%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	355	4.405	ug/l #	88
16) Acetone	3.960	43	1775	9.645	ug/l #	87
20) Methylene Chloride	4.722	84	5573	Below Cal		92
31) Cyclohexane	7.789	56	1860	1.205	ug/l #	18
36) 1,1-Dichloropropene	7.789	75	7103	4.017	ug/l #	47
38) Carbon Tetrachloride	7.795	117	9017	5.089	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	27640	40.860	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	27640	93.886	ug/l #	16
95) Naphthalene	15.245	128	215	4.003	ug/l #	69

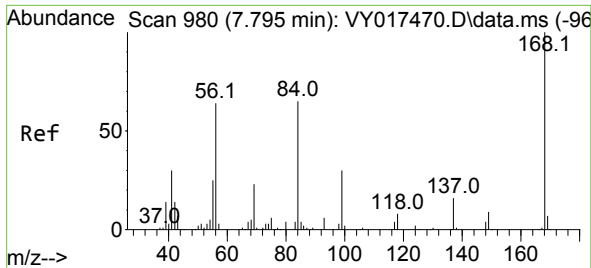
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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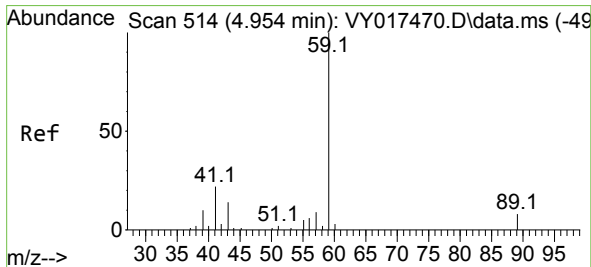
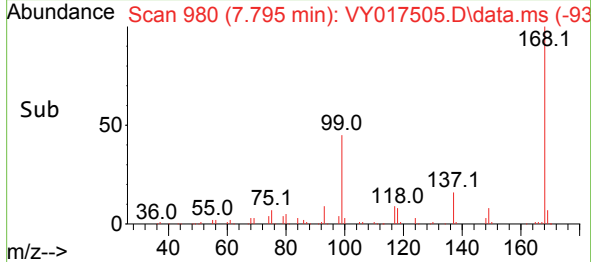
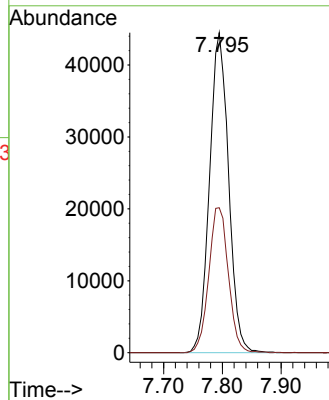
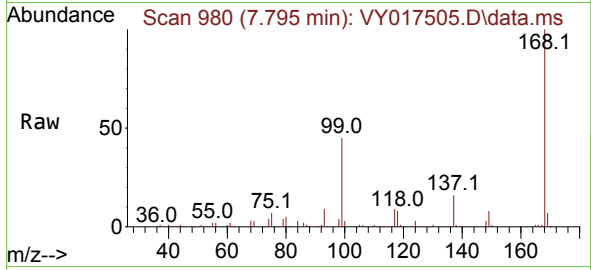




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY017505.D
Acq: 27 Feb 2024 18:36

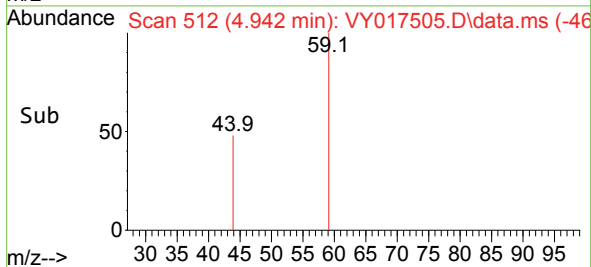
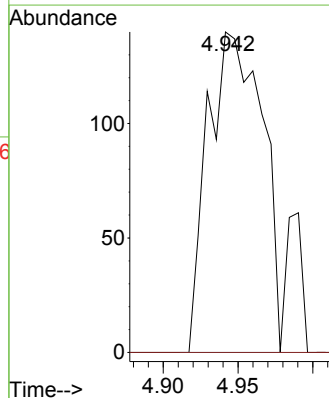
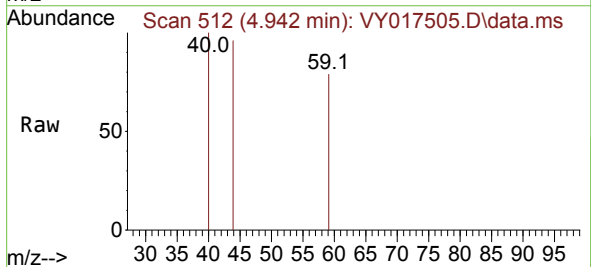
Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-10

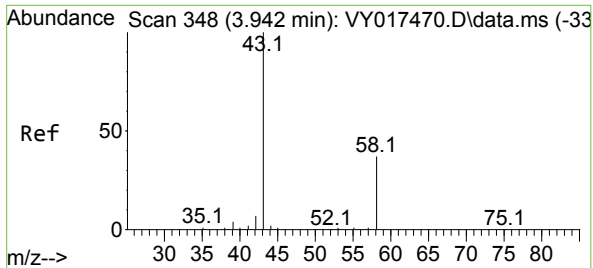
Tgt Ion:168 Resp: 100117
Ion Ratio Lower Upper
168 100
99 45.3 39.1 58.7



#11
Tert butyl alcohol
Concen: 4.405 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.012 min
Lab File: VY017505.D
Acq: 27 Feb 2024 18:36

Tgt Ion: 59 Resp: 355
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 9.645 ug/l

RT: 3.960 min Scan# 31

Delta R.T. 0.018 min

Lab File: VY017505.D

Acq: 27 Feb 2024 18:36

Instrument :

MSVOA_Y

ClientSampleId :

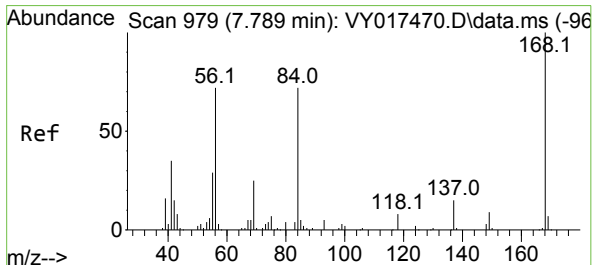
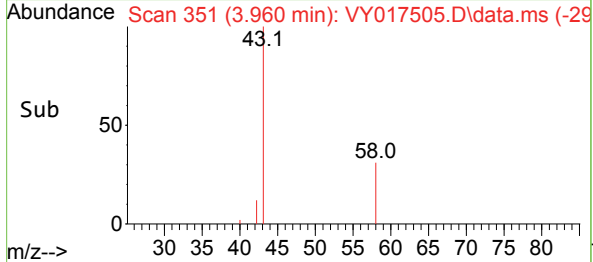
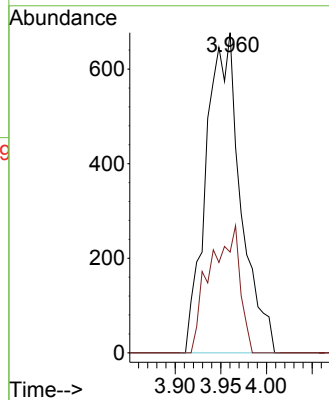
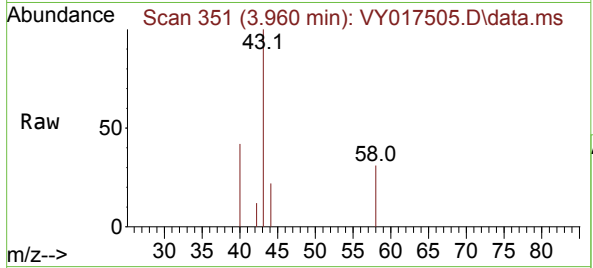
LKWD-BACKFILL-10

Tgt Ion: 43 Resp: 1775

Ion Ratio Lower Upper

43 100

58 31.5 31.7 47.5#



#31

Cyclohexane

Concen: 1.205 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY017505.D

Acq: 27 Feb 2024 18:36

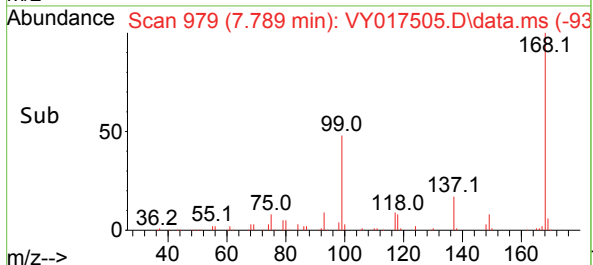
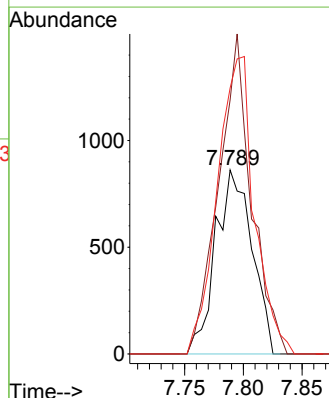
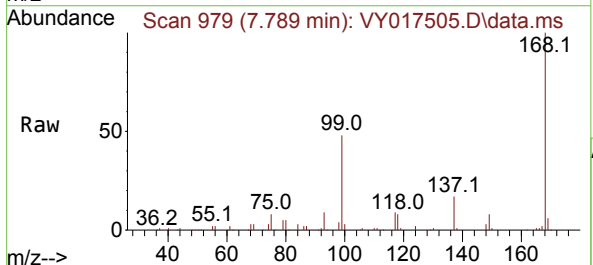
Tgt Ion: 56 Resp: 1860

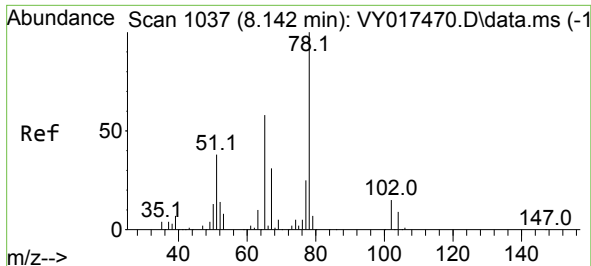
Ion Ratio Lower Upper

56 100

69 138.1 28.7 43.1#

84 144.5 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 60.264 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY017505.D

Acq: 27 Feb 2024 18:36

Instrument :

MSVOA_Y

ClientSampleId :

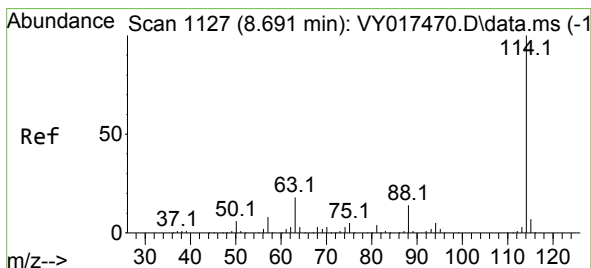
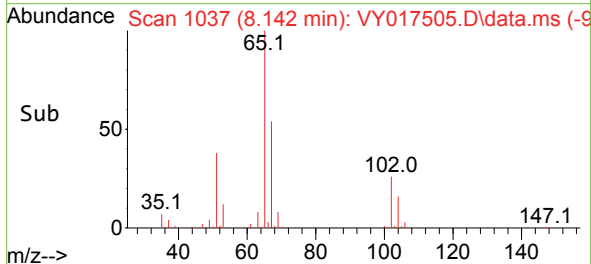
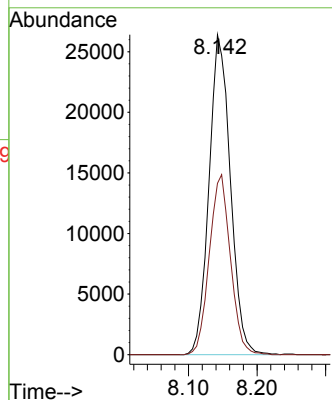
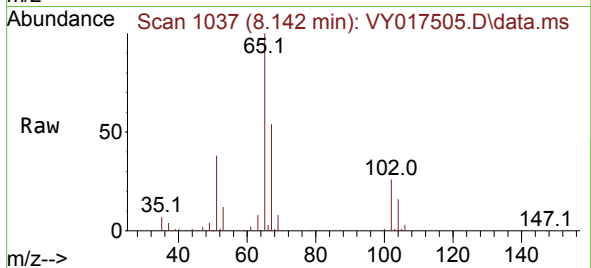
LKWD-BACKFILL-10

Tgt Ion: 65 Resp: 57181

Ion Ratio Lower Upper

65 100

67 55.5 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY017505.D

Acq: 27 Feb 2024 18:36

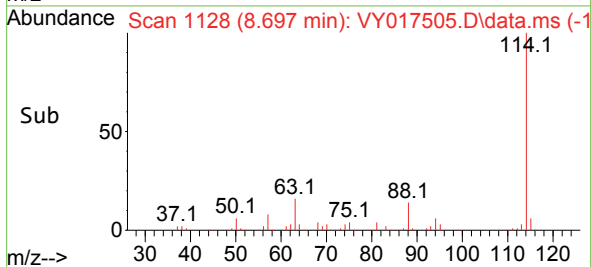
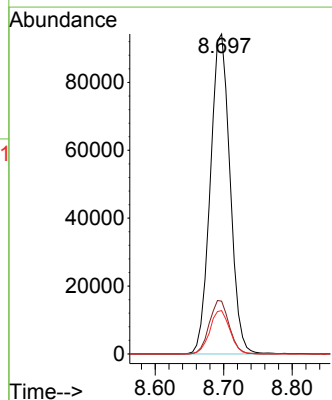
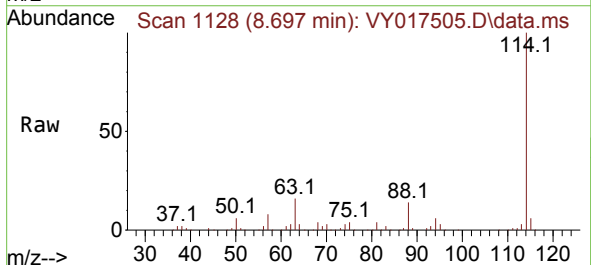
Tgt Ion:114 Resp: 188059

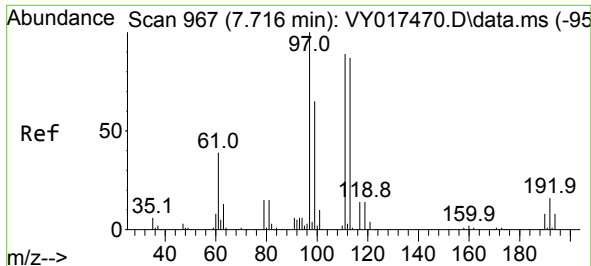
Ion Ratio Lower Upper

114 100

63 16.5 0.0 35.0

88 13.6 0.0 27.2

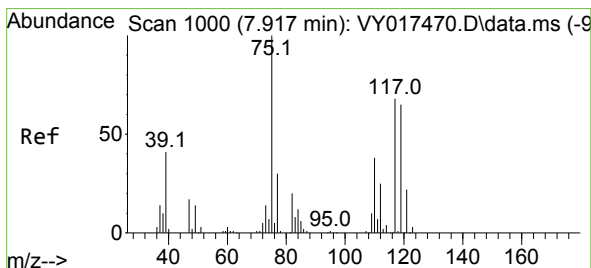
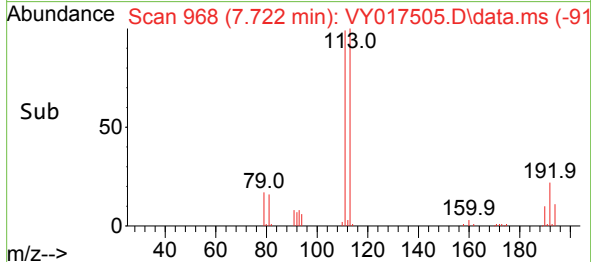
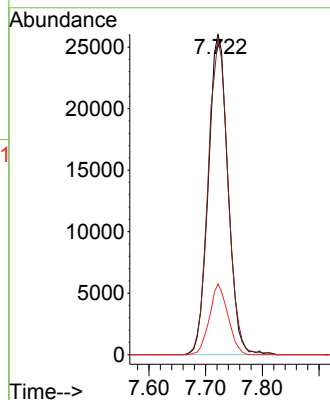
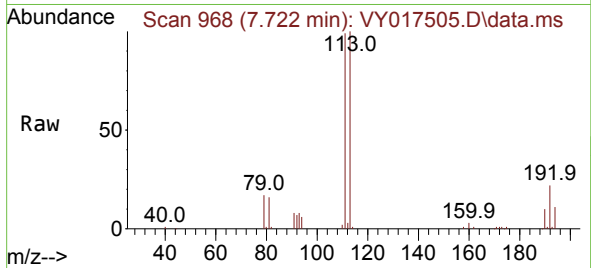




#35
Dibromofluoromethane
Concen: 47.761 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY017505.D
Acq: 27 Feb 2024 18:36

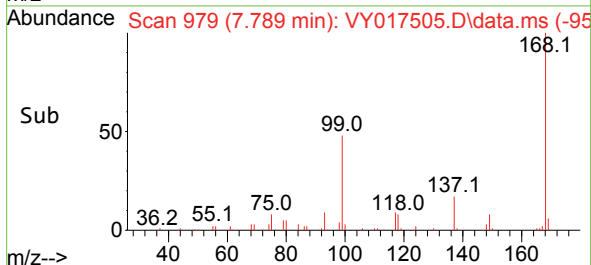
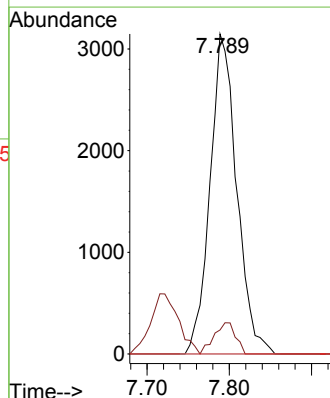
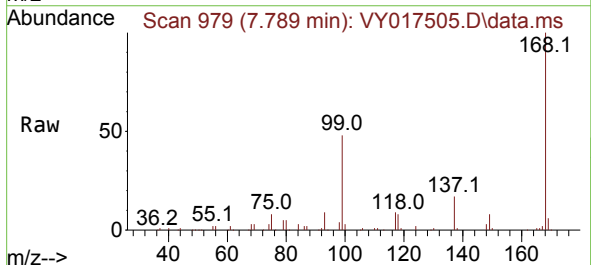
Instrument :
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ClientSampleId :
LKWD-BACKFILL-10

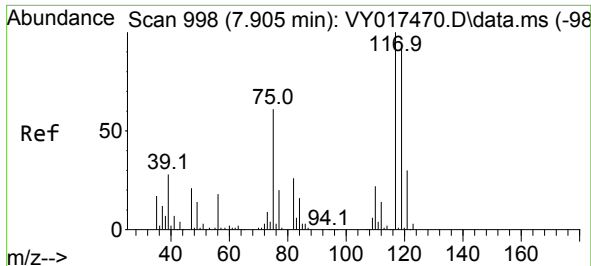
Tgt Ion:113 Resp: 62588
Ion Ratio Lower Upper
113 100
111 100.2 82.2 123.4
192 20.8 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.017 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY017505.D
Acq: 27 Feb 2024 18:36

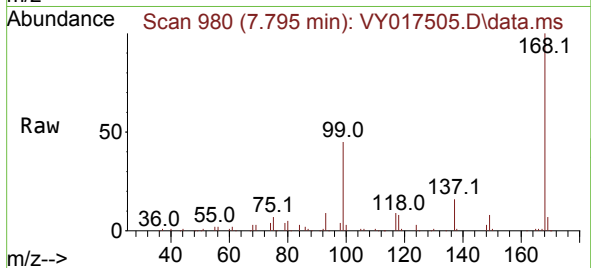
Tgt Ion: 75 Resp: 7103
Ion Ratio Lower Upper
75 100
110 7.8 19.0 57.0#
77 0.0 25.3 37.9#



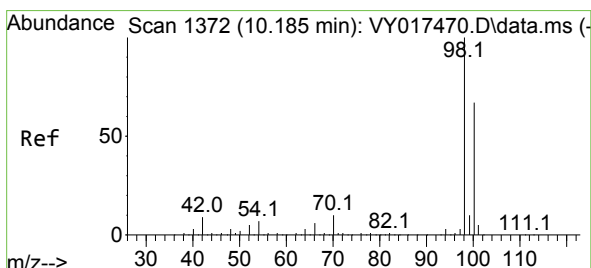
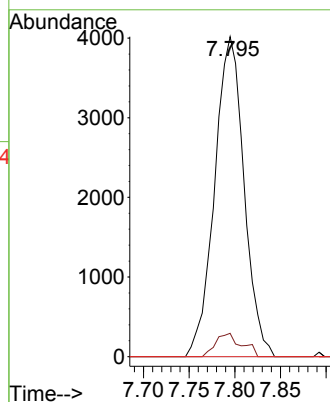
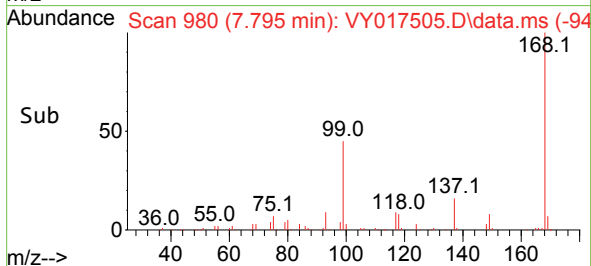


#38
Carbon Tetrachloride
Concen: 5.089 ug/l
RT: 7.795 min Scan# 90
Delta R.T. -0.110 min
Lab File: VY017505.D
Acq: 27 Feb 2024 18:36

Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-10

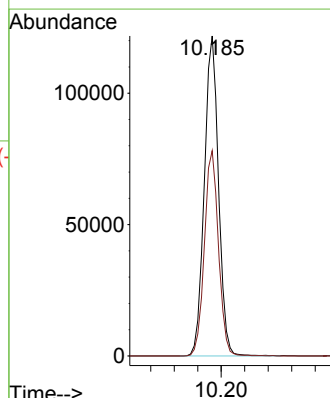
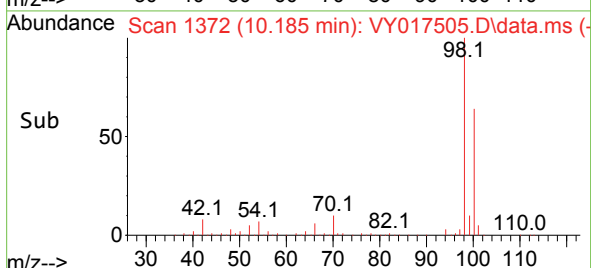
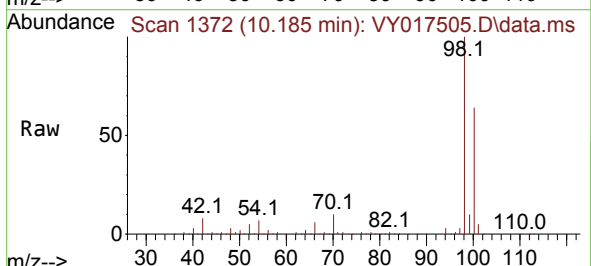


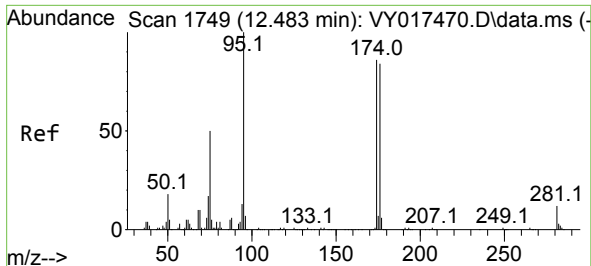
Tgt Ion:117 Resp: 9017
Ion Ratio Lower Upper
117 100
119 7.3 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 44.634 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY017505.D
Acq: 27 Feb 2024 18:36

Tgt Ion: 98 Resp: 204504
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0

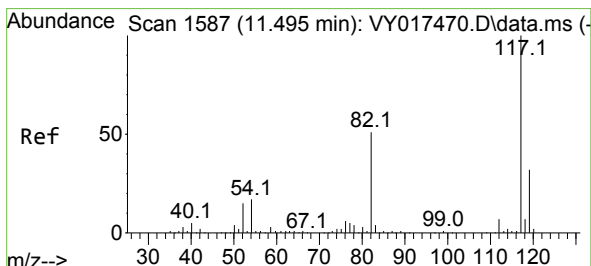
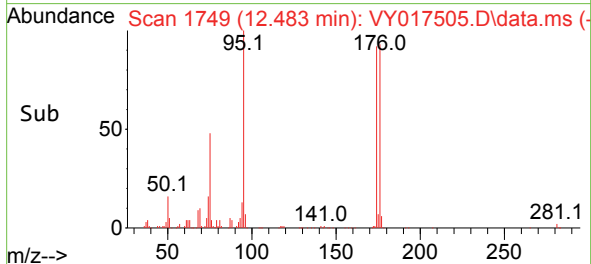
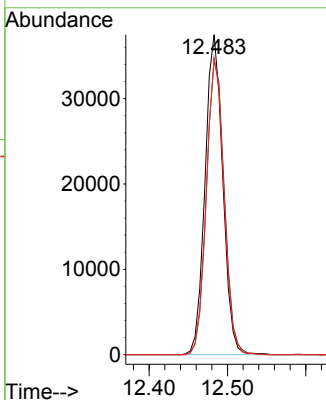
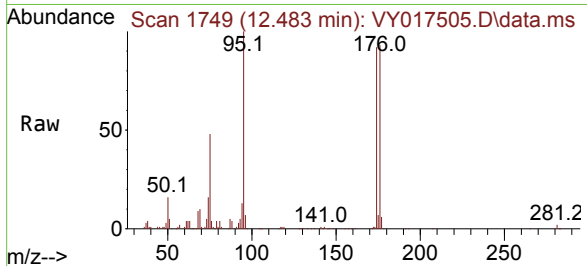




#62
4-Bromofluorobenzene
Concen: 40.758 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY017505.D
Acq: 27 Feb 2024 18:36

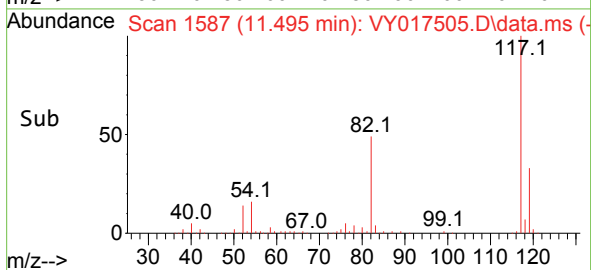
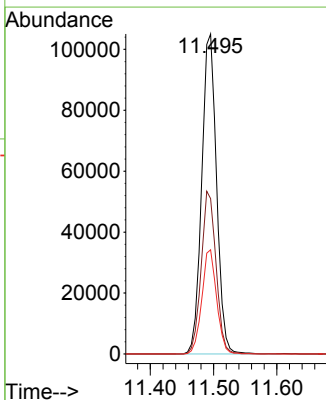
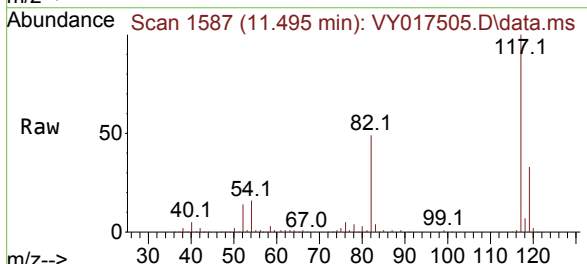
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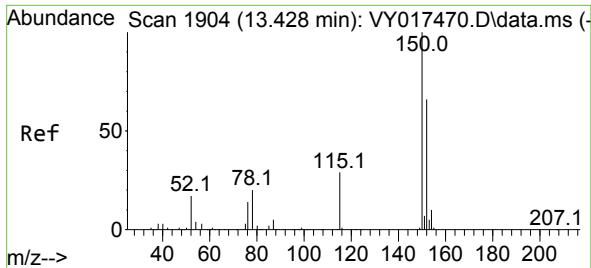
Tgt Ion:	95	Resp:	58690
Ion	Ratio	Lower	Upper
95	100		
174	94.0	0.0	175.6
176	91.8	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY017505.D
Acq: 27 Feb 2024 18:36

Tgt Ion:	117	Resp:	171658
Ion	Ratio	Lower	Upper
117	100		
82	48.5	42.4	63.6
119	32.6	25.9	38.9

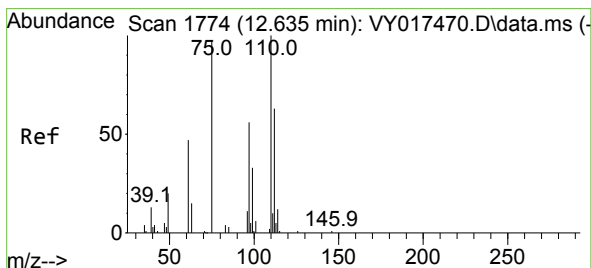
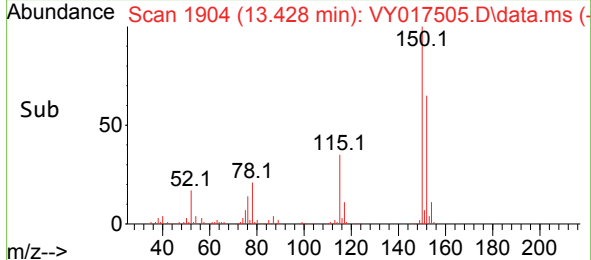
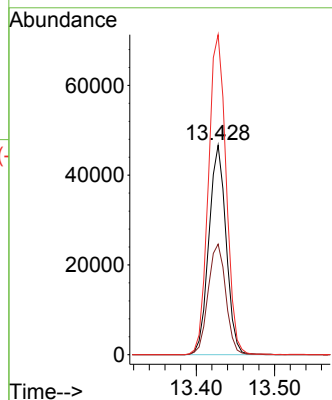
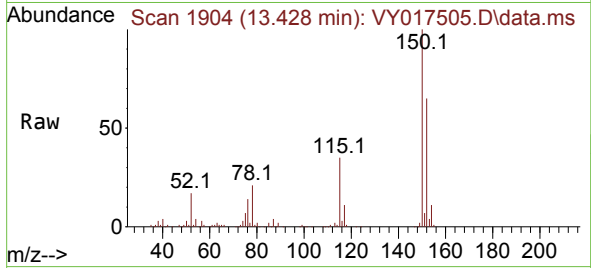




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY017505.D
 Acq: 27 Feb 2024 18:36

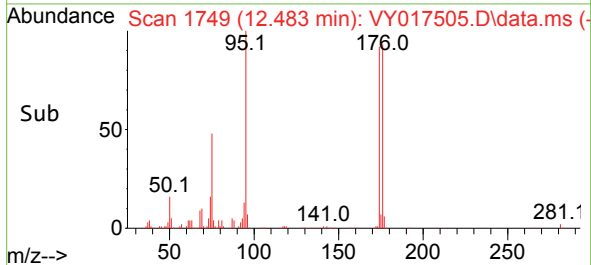
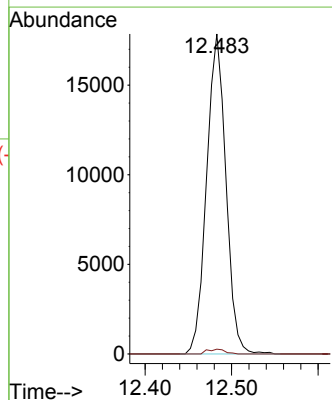
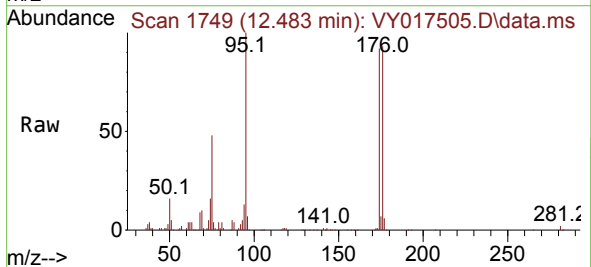
Instrument :
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 LKWD-BACKFILL-10

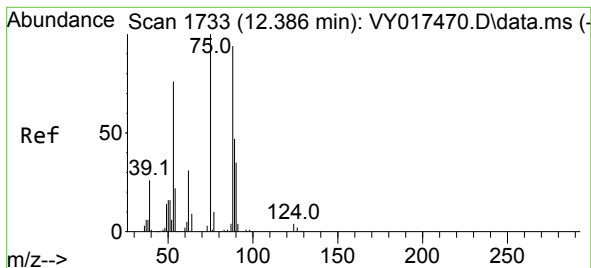
Tgt Ion:152 Resp: 71195
 Ion Ratio Lower Upper
 152 100
 115 54.3 28.2 84.7
 150 156.8 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 40.860 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY017505.D
 Acq: 27 Feb 2024 18:36

Tgt Ion: 75 Resp: 27640
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

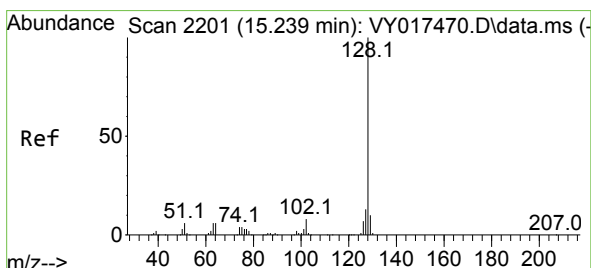
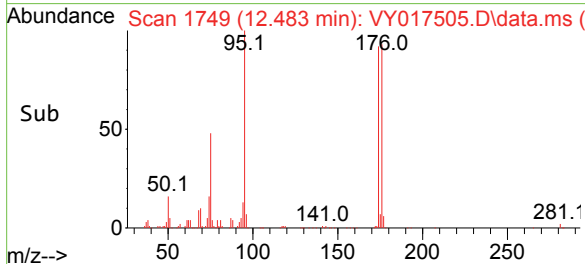
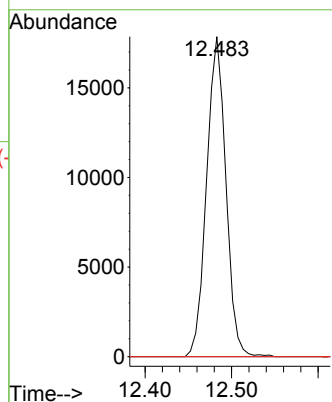
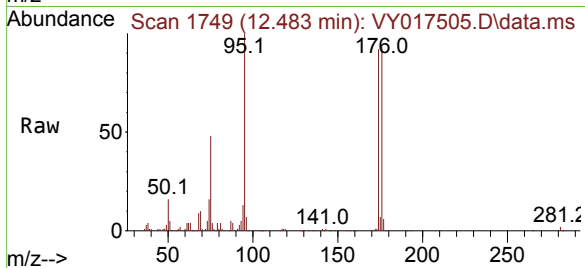




#81
trans-1,4-Dichloro-2-butene
Concen: 93.886 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY017505.D
Acq: 27 Feb 2024 18:36

Instrument :
MSVOA_Y
ClientSampleId :
LKWD-BACKFILL-10

Tgt Ion: 75 Resp: 27640
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 4.003 ug/l
RT: 15.245 min Scan# 2202
Delta R.T. 0.006 min
Lab File: VY017505.D
Acq: 27 Feb 2024 18:36

Tgt Ion: 128 Resp: 215
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

