

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111523\
 Data File : VY016371.D
 Acq On : 15 Nov 2023 17:08
 Operator : SY/MD
 Sample : 05432-07
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 16 00:06:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110823S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 09 00:45:52 2023
 Response via : Initial Calibration

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

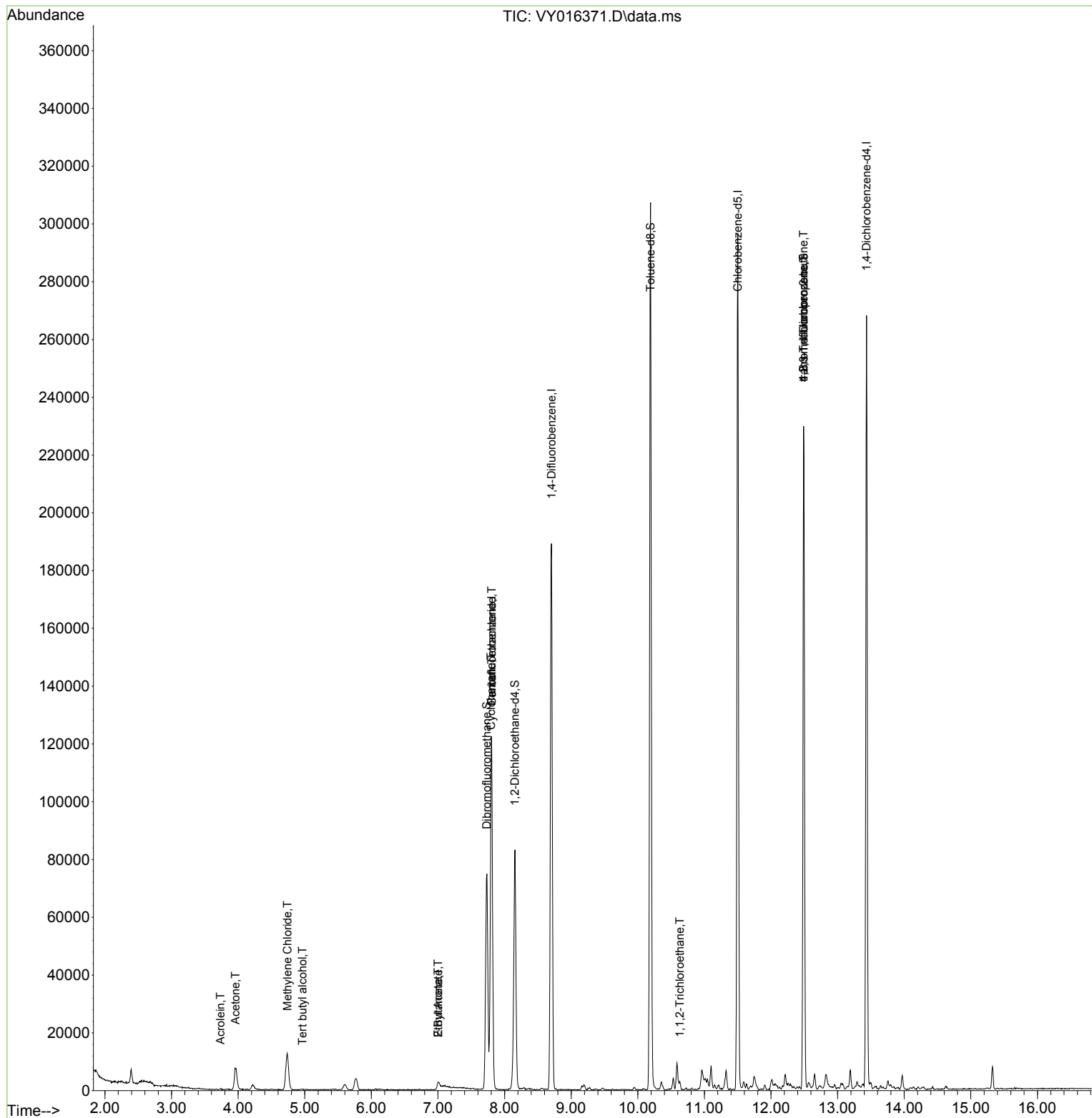
Internal Standards						
1) Pentafluorobenzene	7.807	168	94281	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	168503	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	162713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	68722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	61942	71.884	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 143.760%			
35) Dibromofluoromethane	7.734	113	54001	56.415	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.840%			
50) Toluene-d8	10.191	98	200897	51.755	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.520%			
62) 4-Bromofluorobenzene	12.489	95	67122	53.242	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 106.480%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.966	59	413	6.121	ug/l #	89
13) Acrolein	3.735	56	121	1.487	ug/l #	33
16) Acetone	3.960	43	13880	97.380	ug/l	97
20) Methylene Chloride	4.741	84	9750	6.666	ug/l	89
25) 2-Butanone	7.002	43	4262	17.071	ug/l	99
31) Cyclohexane	7.795	56	2063	1.216	ug/l #	28
37) Ethyl Acetate	7.002	43	4262	6.346	ug/l #	71
38) Carbon Tetrachloride	7.807	117	9730	5.641	ug/l #	16
55) 1,1,2-Trichloroethane	10.630	97	1376	1.643	ug/l #	14
76) 1,2,3-Trichloropropane	12.489	75	34922	52.973	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	34922	114.982	ug/l #	11

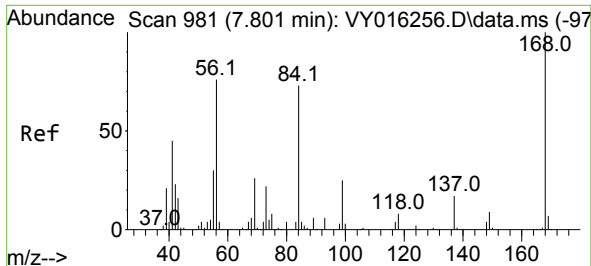
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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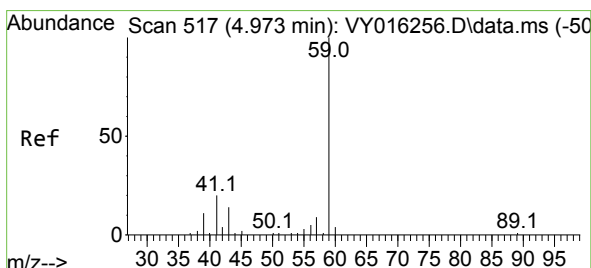
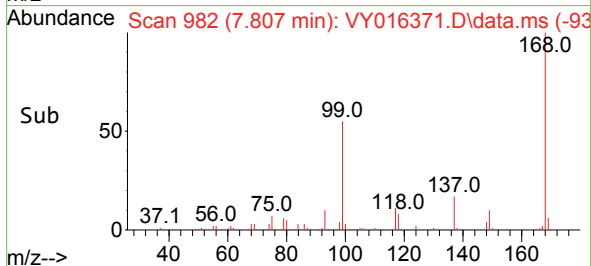
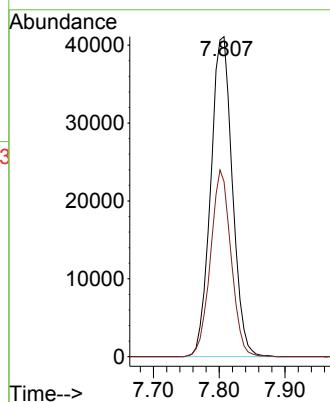
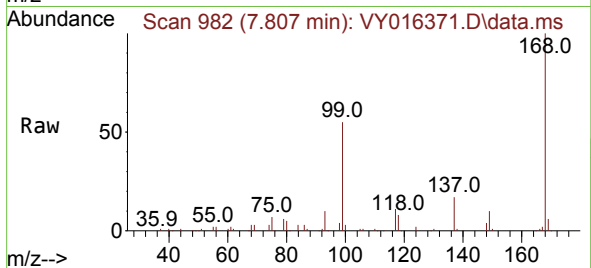




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016371.D
Acq: 15 Nov 2023 17:08

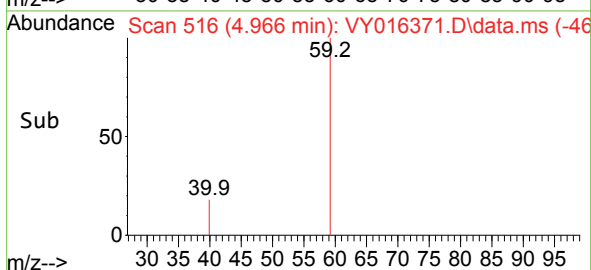
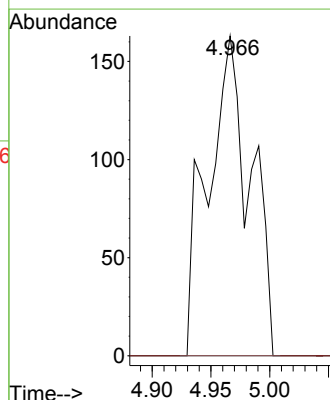
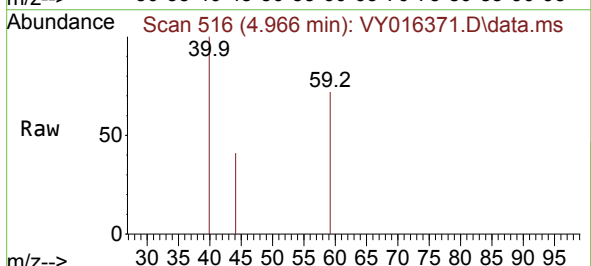
Instrument :
MSVOA_Y
ClientSampleId :

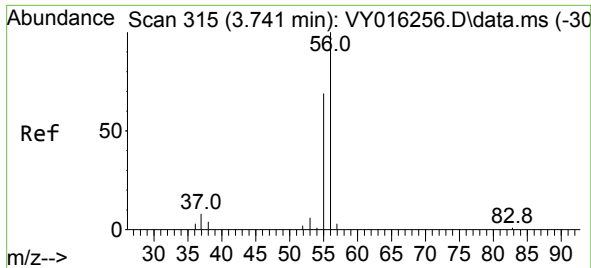
Tgt Ion:168 Resp: 94281
Ion Ratio Lower Upper
168 100
99 54.7 43.4 65.0



#11
Tert butyl alcohol
Concen: 6.121 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.006 min
Lab File: VY016371.D
Acq: 15 Nov 2023 17:08

Tgt Ion: 59 Resp: 413
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#13

Acrolein

Concen: 1.487 ug/l

RT: 3.735 min Scan# 315

Delta R.T. -0.006 min

Lab File: VY016371.D

Acq: 15 Nov 2023 17:08

Instrument :

MSVOA_Y

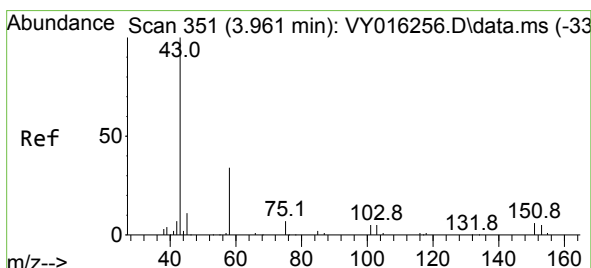
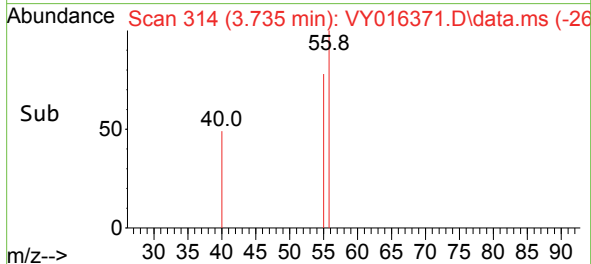
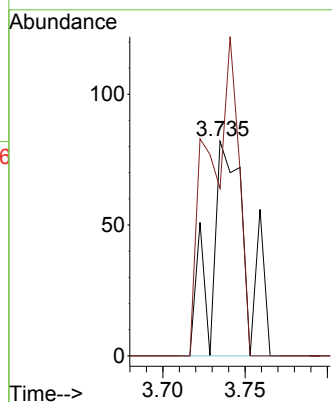
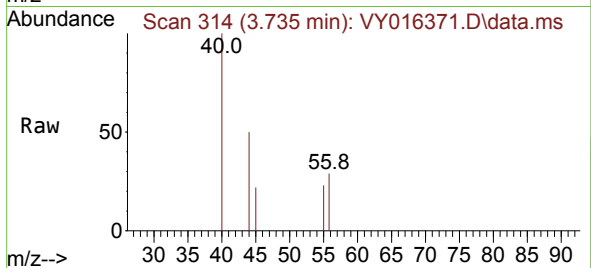
ClientSampleId :

Tgt Ion: 56 Resp: 121

Ion Ratio Lower Upper

56 100

55 126.4 57.0 85.4#



#16

Acetone

Concen: 97.380 ug/l

RT: 3.960 min Scan# 351

Delta R.T. -0.000 min

Lab File: VY016371.D

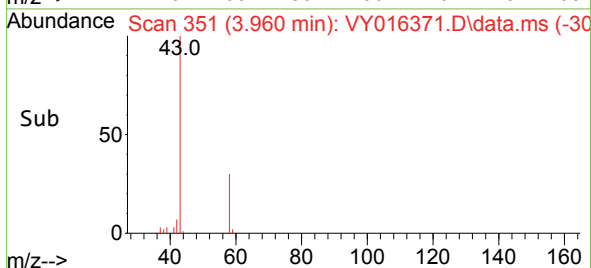
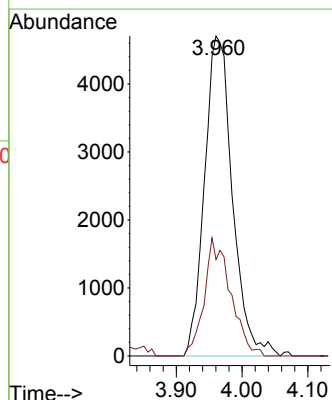
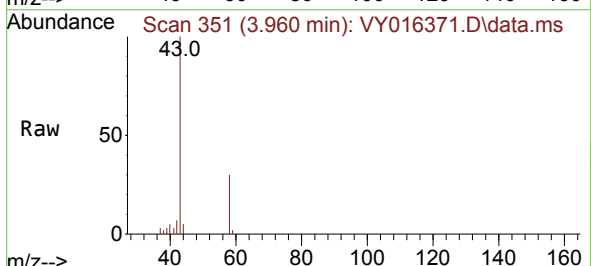
Acq: 15 Nov 2023 17:08

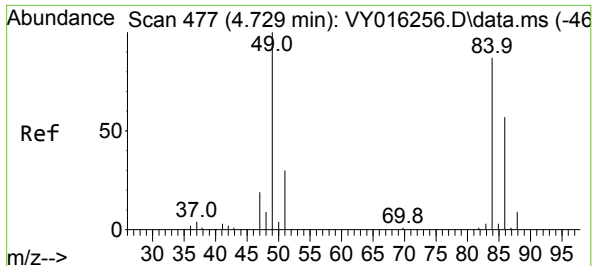
Tgt Ion: 43 Resp: 13880

Ion Ratio Lower Upper

43 100

58 30.1 22.7 34.1





#20

Methylene Chloride

Concen: 6.666 ug/l

RT: 4.741 min Scan# 41

Delta R.T. 0.012 min

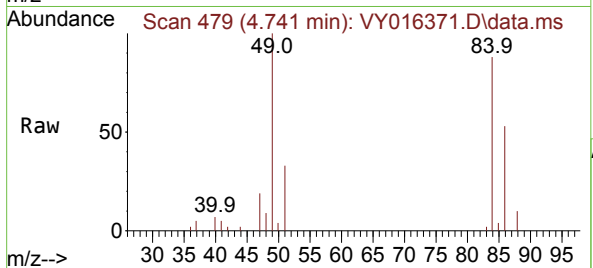
Lab File: VY016371.D

Acq: 15 Nov 2023 17:08

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 9750

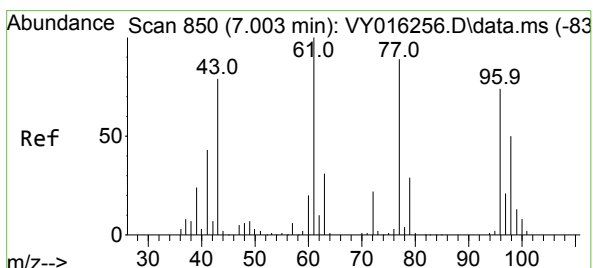
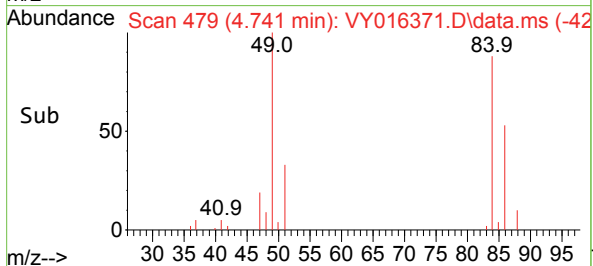
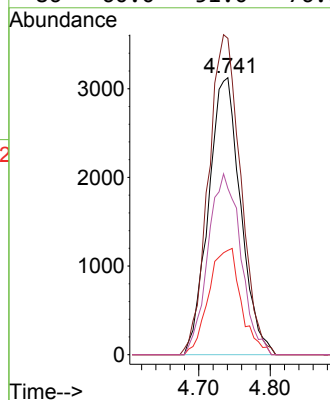
Ion Ratio Lower Upper

84 100

49 114.2 106.9 160.3

51 37.7 33.2 49.8

86 60.0 51.0 76.6



#25

2-Butanone

Concen: 17.071 ug/l

RT: 7.002 min Scan# 850

Delta R.T. -0.000 min

Lab File: VY016371.D

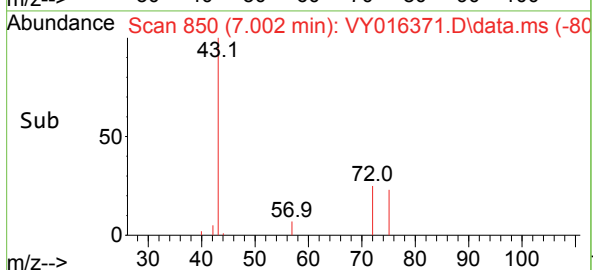
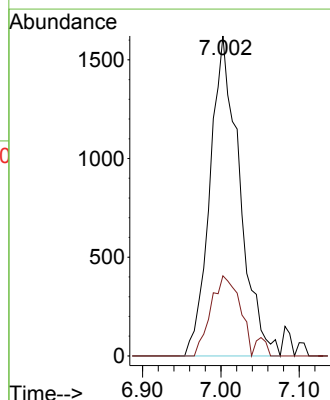
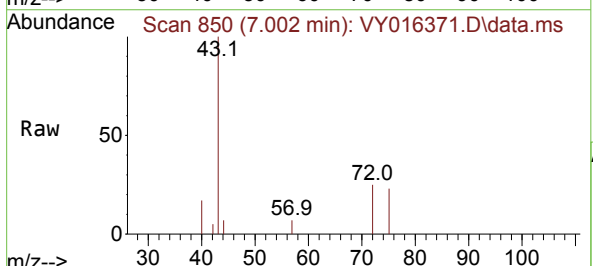
Acq: 15 Nov 2023 17:08

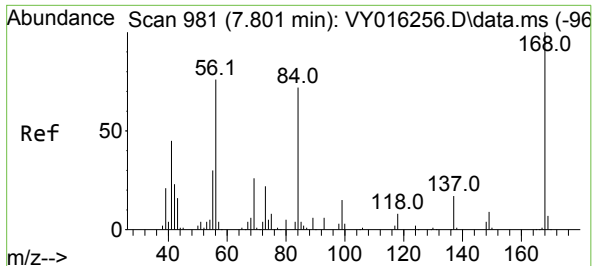
Tgt Ion: 43 Resp: 4262

Ion Ratio Lower Upper

43 100

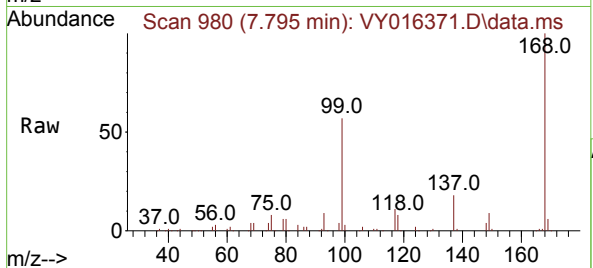
72 25.0 20.5 30.7



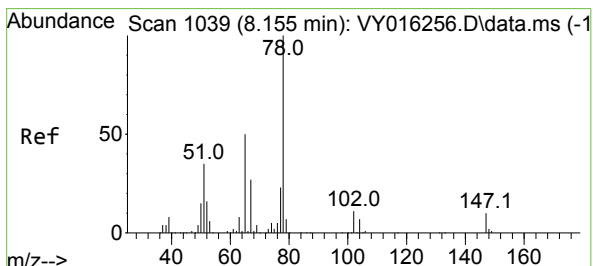
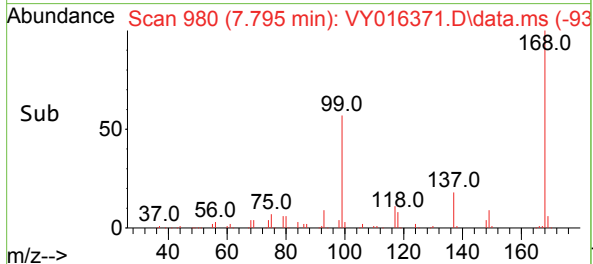
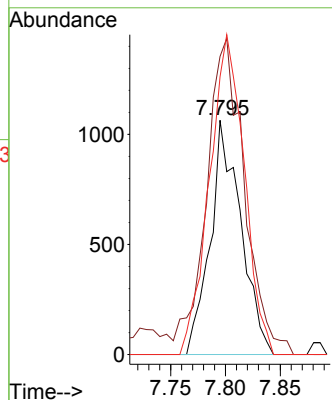


#31
Cyclohexane
Concen: 1.216 ug/l
RT: 7.795 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY016371.D
Acq: 15 Nov 2023 17:08

Instrument :
MSVOA_Y
ClientSampleId :

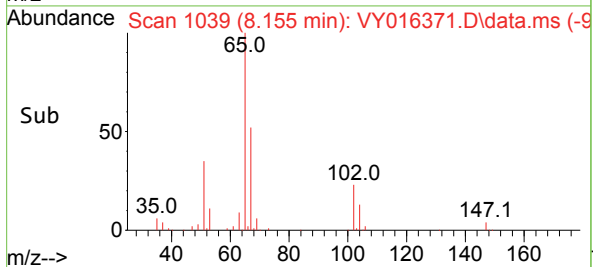
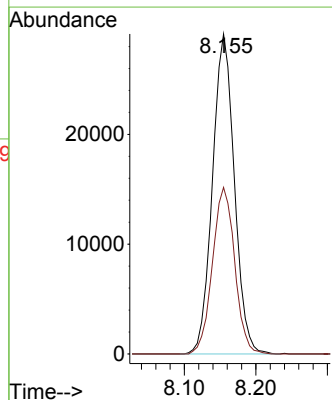
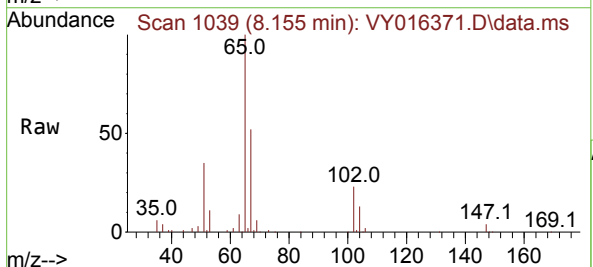


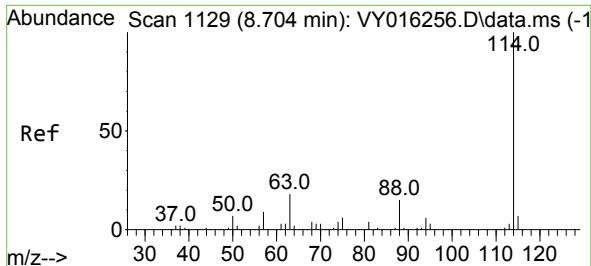
Tgt Ion: 56 Resp: 2063
Ion Ratio Lower Upper
56 100
69 121.2 27.8 41.6#
84 118.6 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 71.884 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY016371.D
Acq: 15 Nov 2023 17:08

Tgt Ion: 65 Resp: 61942
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.8

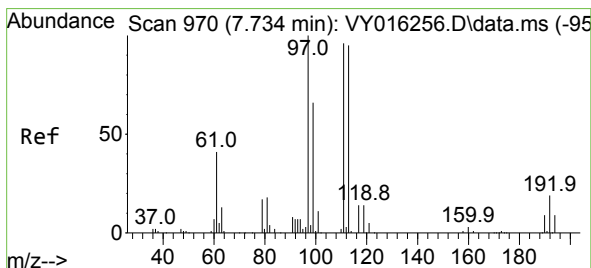
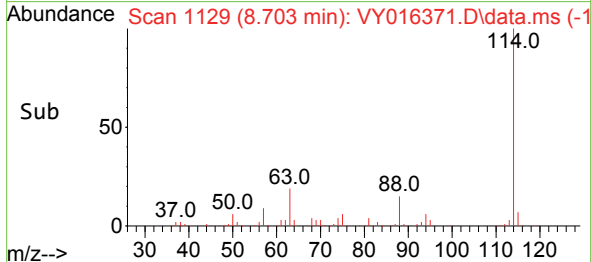
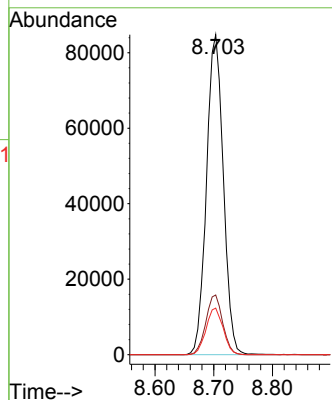
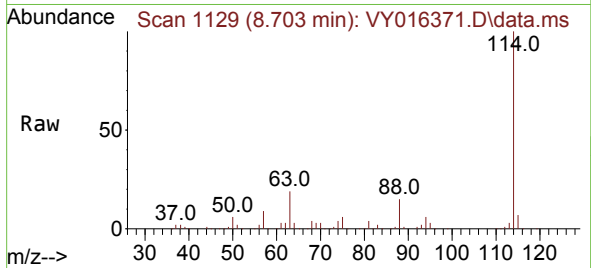




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VY016371.D
Acq: 15 Nov 2023 17:08

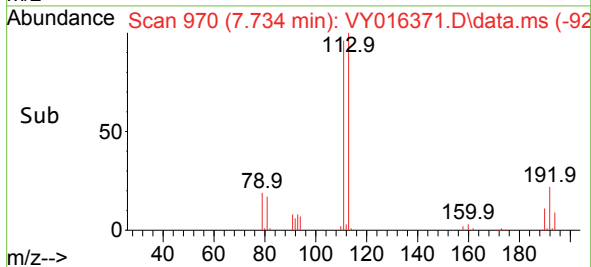
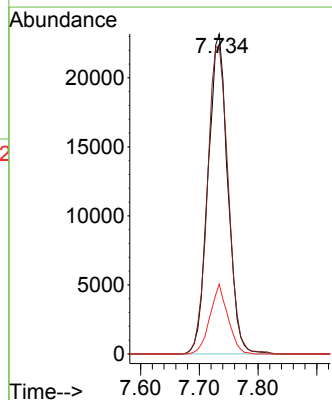
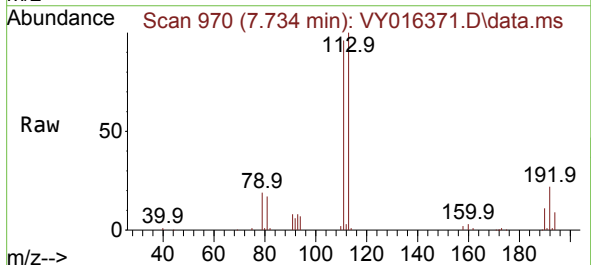
Instrument :
MSVOA_Y
ClientSampleId :

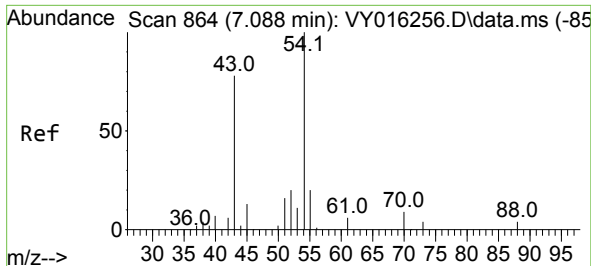
Tgt Ion:114 Resp: 168503
Ion Ratio Lower Upper
114 100
63 18.7 0.0 42.4
88 14.6 0.0 30.6



#35
Dibromofluoromethane
Concen: 56.415 ug/l
RT: 7.734 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY016371.D
Acq: 15 Nov 2023 17:08

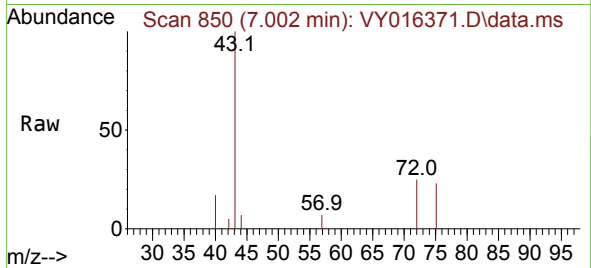
Tgt Ion:113 Resp: 54001
Ion Ratio Lower Upper
113 100
111 101.4 81.3 121.9
192 19.9 16.9 25.3



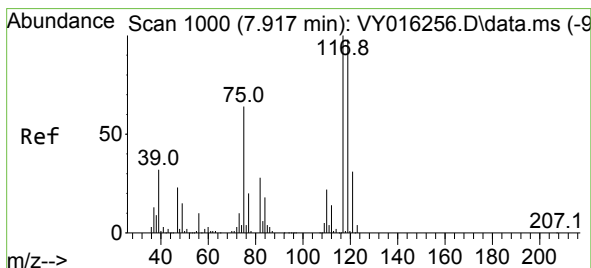
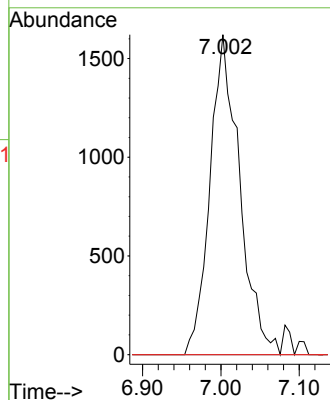


#37
Ethyl Acetate
Concen: 6.346 ug/l
RT: 7.002 min Scan# 81
Delta R.T. -0.086 min
Lab File: VY016371.D
Acq: 15 Nov 2023 17:08

Instrument :
MSVOA_Y
ClientSampleId :

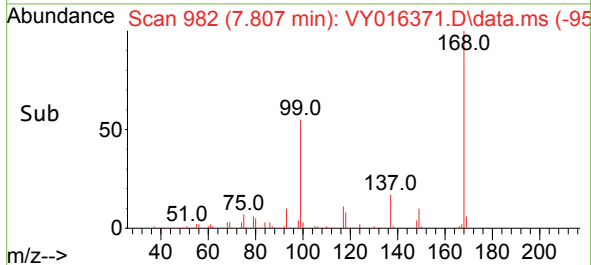
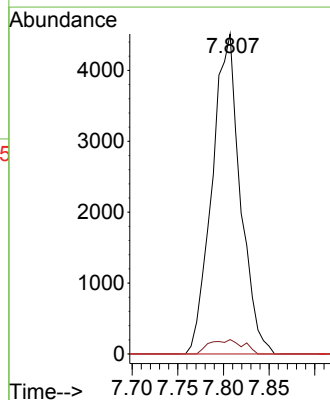
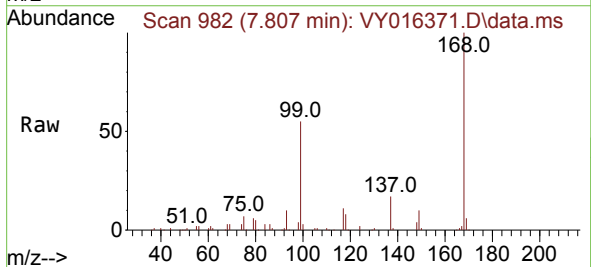


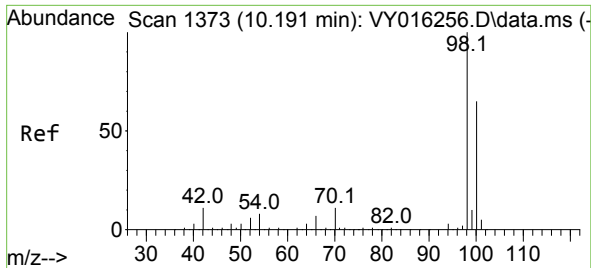
Tgt Ion: 43 Resp: 4262
Ion Ratio Lower Upper
43 100
61 0.0 10.1 15.1#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.641 ug/l
RT: 7.807 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY016371.D
Acq: 15 Nov 2023 17:08

Tgt Ion: 117 Resp: 9730
Ion Ratio Lower Upper
117 100
119 4.5 76.4 114.6#
121 0.0 25.8 38.6#

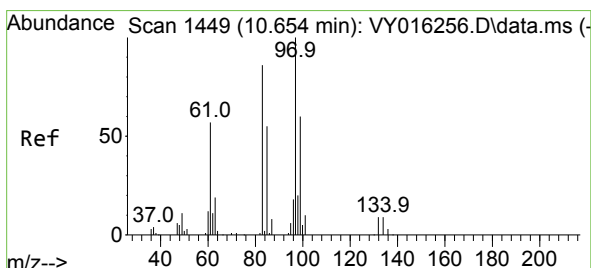
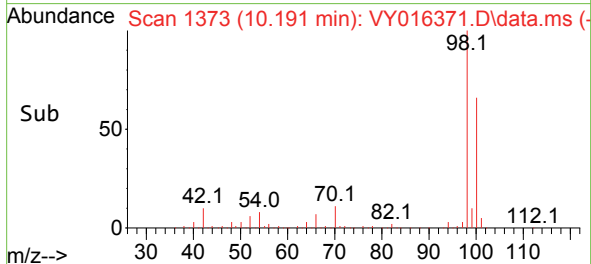
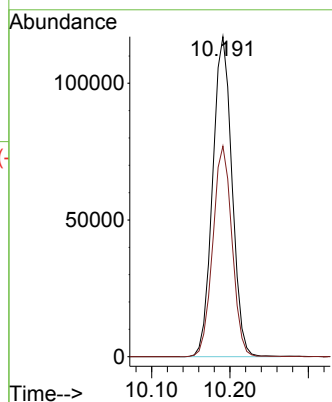
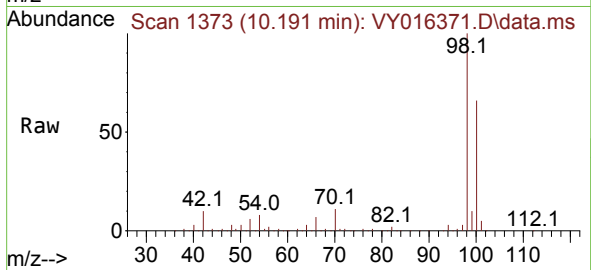




#50
Toluene-d8
Concen: 51.755 ug/l
RT: 10.191 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY016371.D
Acq: 15 Nov 2023 17:08

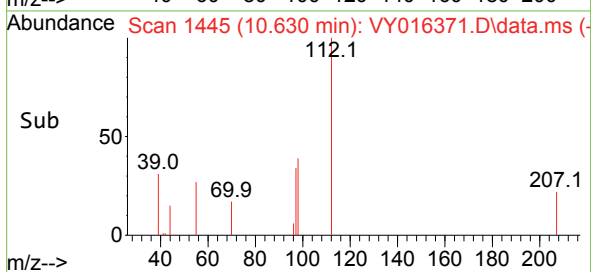
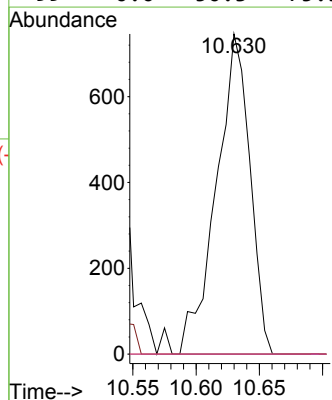
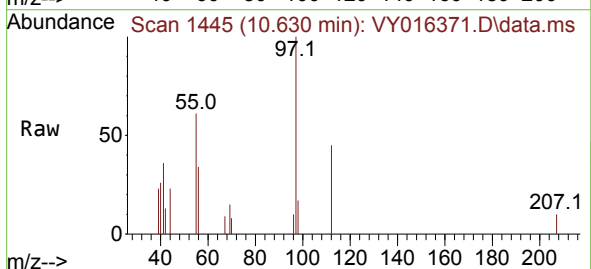
Instrument :
MSVOA_Y
ClientSampleId :

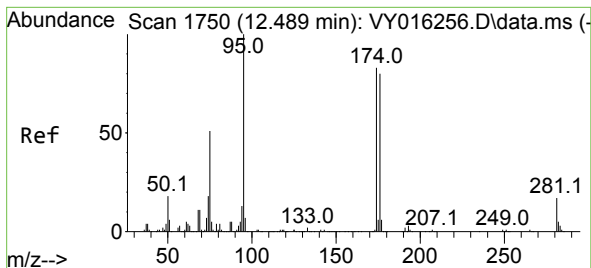
Tgt Ion: 98 Resp: 200897
Ion Ratio Lower Upper
98 100
100 65.3 50.1 75.1



#55
1,1,2-Trichloroethane
Concen: 1.643 ug/l
RT: 10.630 min Scan# 1445
Delta R.T. -0.025 min
Lab File: VY016371.D
Acq: 15 Nov 2023 17:08

Tgt Ion: 97 Resp: 1376
Ion Ratio Lower Upper
97 100
83 0.0 72.0 108.0#
85 0.0 45.4 68.0#
99 0.0 50.3 75.5#

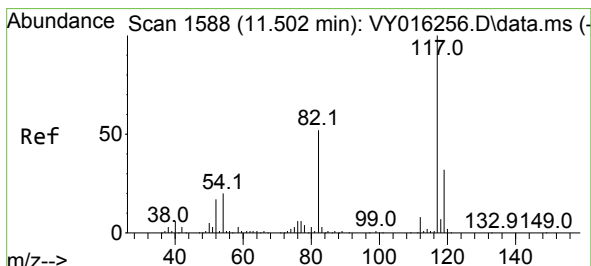
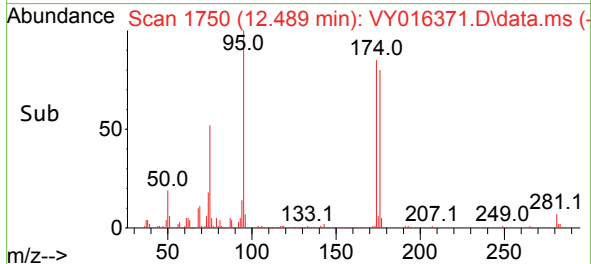
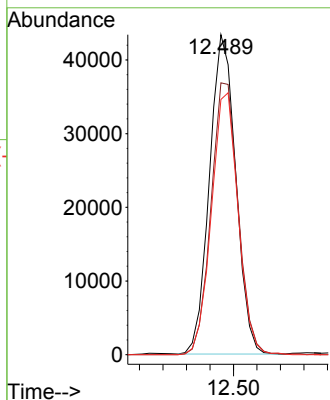
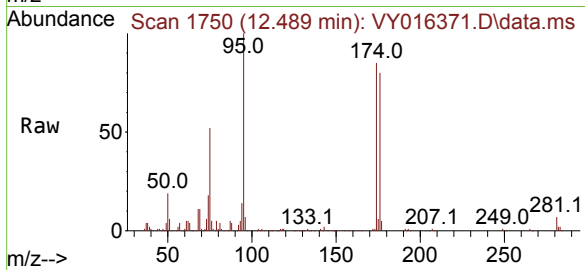




#62
4-Bromofluorobenzene
Concen: 53.242 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VY016371.D
Acq: 15 Nov 2023 17:08

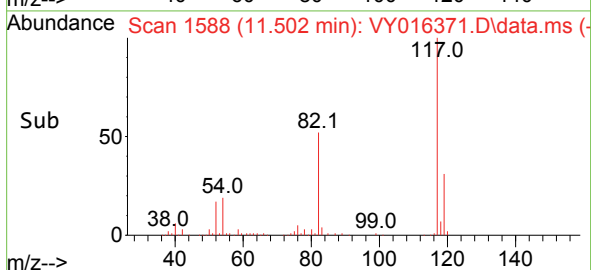
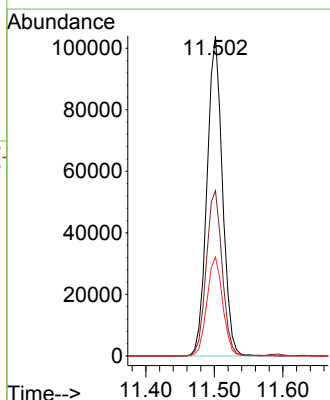
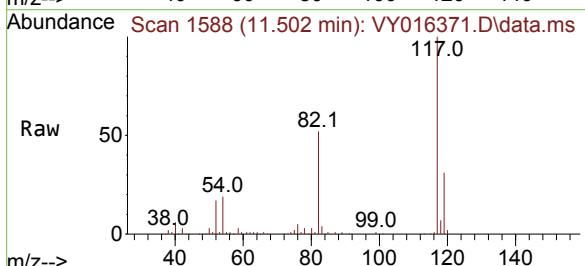
Instrument :
MSVOA_Y
ClientSampleId :

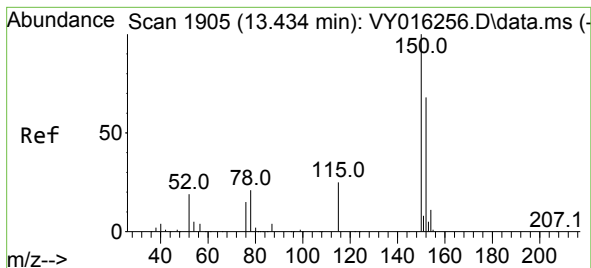
Tgt Ion: 95 Resp: 67122
Ion Ratio Lower Upper
95 100
174 88.2 0.0 178.2
176 83.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. -0.000 min
Lab File: VY016371.D
Acq: 15 Nov 2023 17:08

Tgt Ion: 117 Resp: 162713
Ion Ratio Lower Upper
117 100
82 51.7 43.4 65.0
119 30.9 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

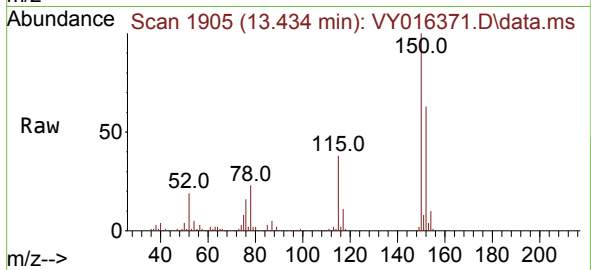
Lab File: VY016371.D

Acq: 15 Nov 2023 17:08

Instrument :

MSVOA_Y

ClientSampleId :



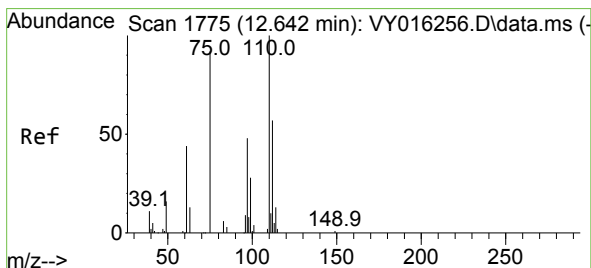
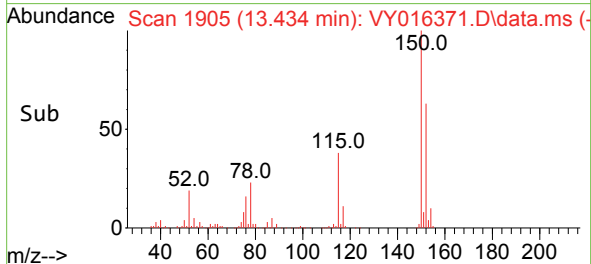
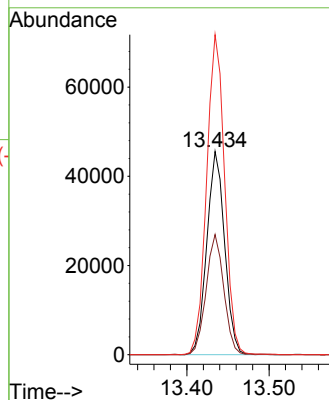
Tgt Ion:152 Resp: 68722

Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 158.7 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 52.973 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.153 min

Lab File: VY016371.D

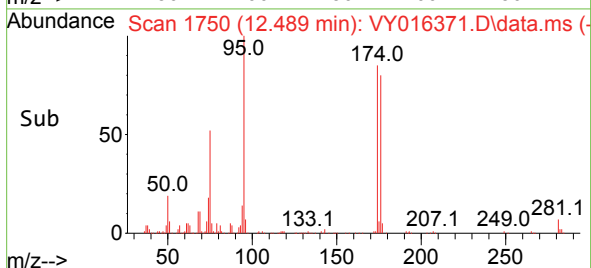
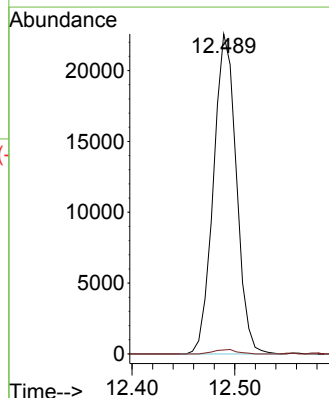
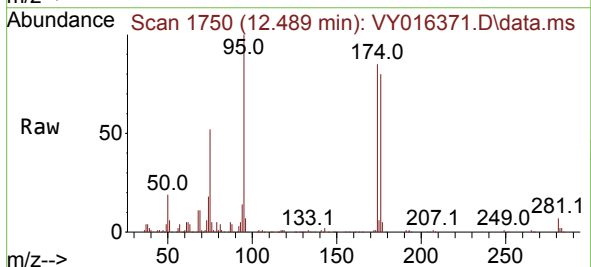
Acq: 15 Nov 2023 17:08

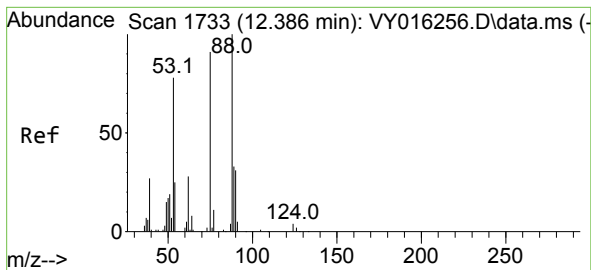
Tgt Ion: 75 Resp: 34922

Ion Ratio Lower Upper

75 100

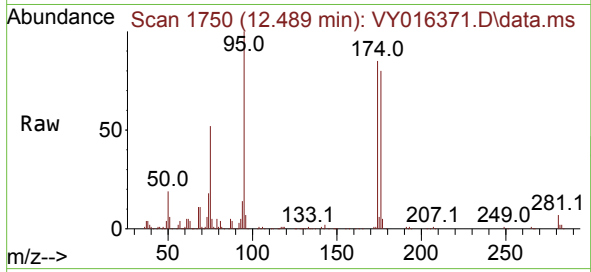
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.982 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY016371.D
 Acq: 15 Nov 2023 17:08

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.1	37.4	56.0#

