

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020323\
 Data File : VY012487.D
 Acq On : 03 Feb 2023 19:07
 Operator : KP/MD
 Sample : 01410-04
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 04 00:15:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

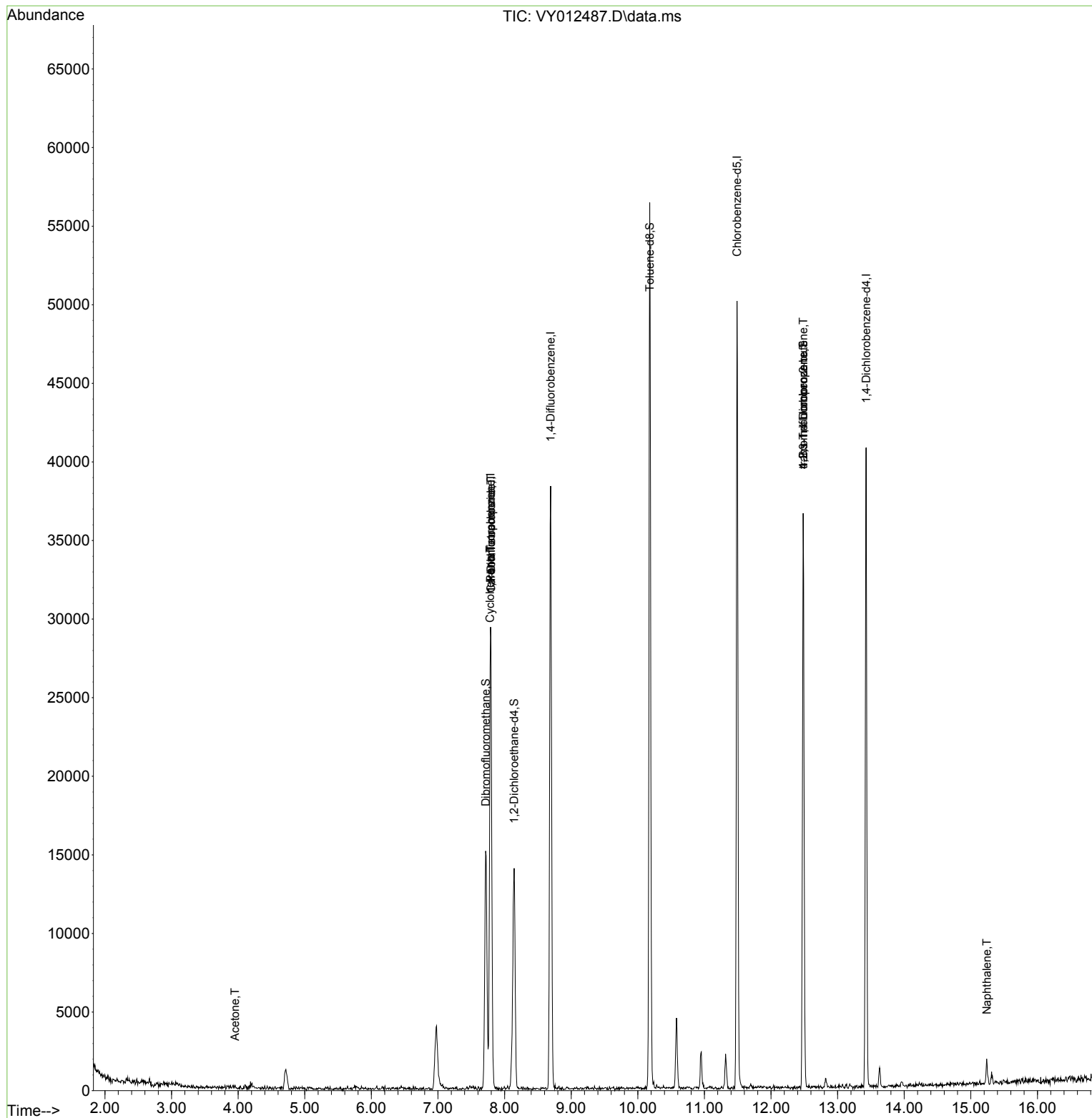
Internal Standards						
1) Pentafluorobenzene	7.789	168	24349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	34793	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	29547	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	11277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	11234	56.145	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	=	112.300%	
35) Dibromofluoromethane	7.716	113	11040	59.925	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	=	119.860%	
50) Toluene-d8	10.179	98	40101	64.039	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	=	128.080%	
62) 4-Bromofluorobenzene	12.483	95	10342	39.822	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	=	79.640%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	28	Below Cal	#	74
16) Acetone	3.954	43	108	1.593	ug/l #	40
20) Methylene Chloride	4.710	84	1094	Below Cal	#	65
31) Cyclohexane	7.783	56	365	1.028	ug/l #	55
36) 1,1-Dichloropropene	7.795	75	1602	5.117	ug/l #	41
38) Carbon Tetrachloride	7.795	117	2335	5.774	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	5210	50.243	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	5210	103.523	ug/l #	13
95) Naphthalene	15.239	128	1703	3.878	ug/l #	89

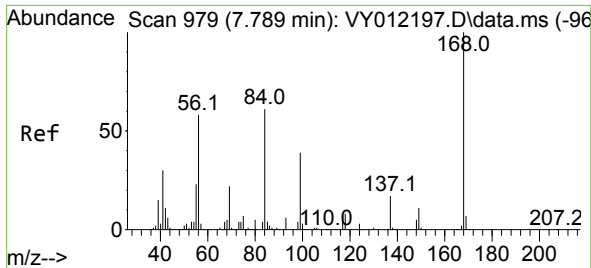
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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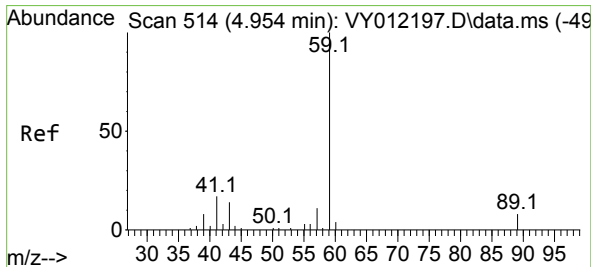
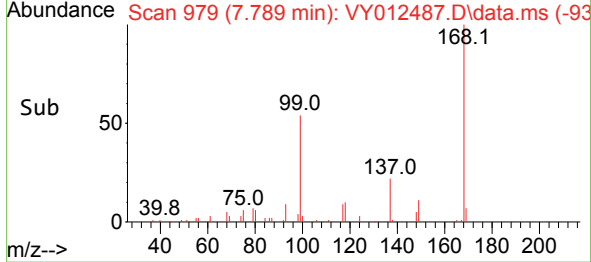
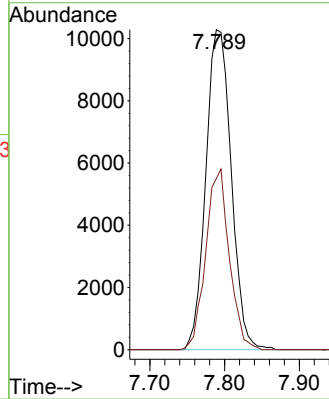
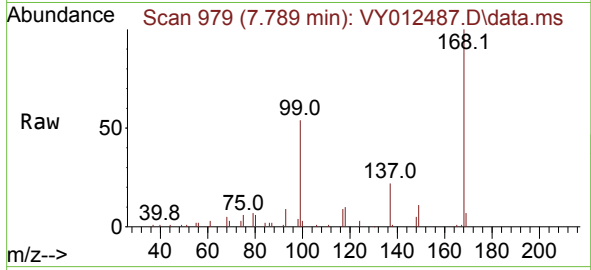




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012487.D
Acq: 03 Feb 2023 19:07

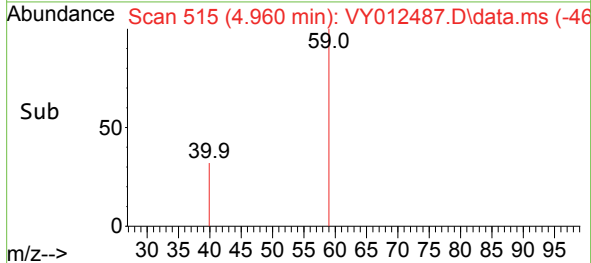
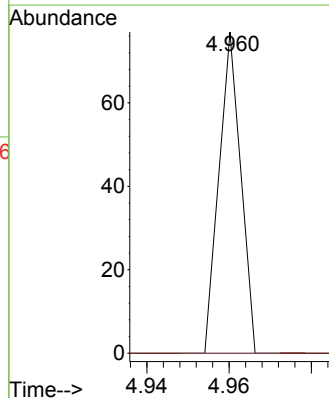
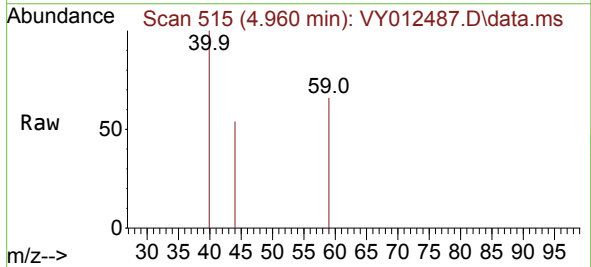
Instrument :
MSVOA_Y
ClientSampleId :

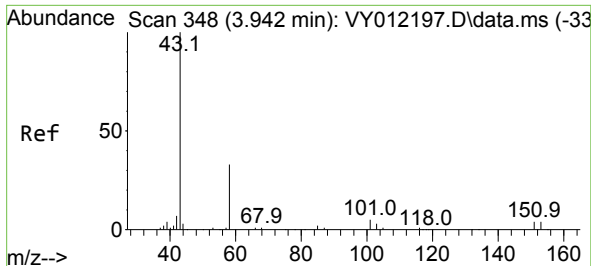
Tgt Ion:168 Resp: 24349
Ion Ratio Lower Upper
168 100
99 53.5 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY012487.D
Acq: 03 Feb 2023 19:07

Tgt Ion: 59 Resp: 28
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

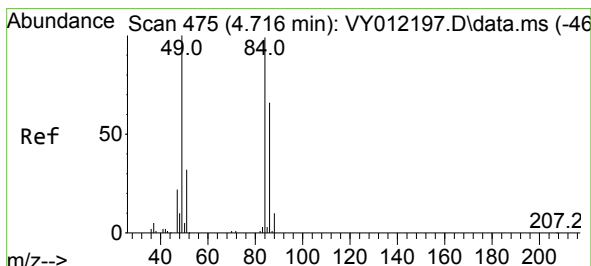
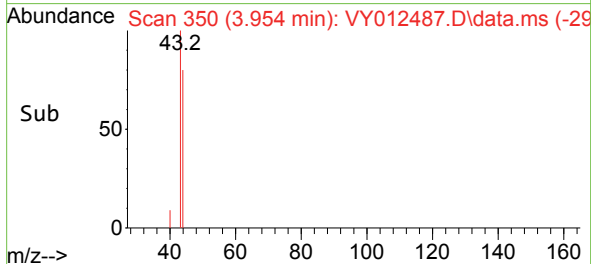
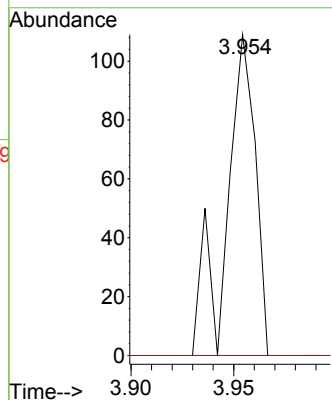
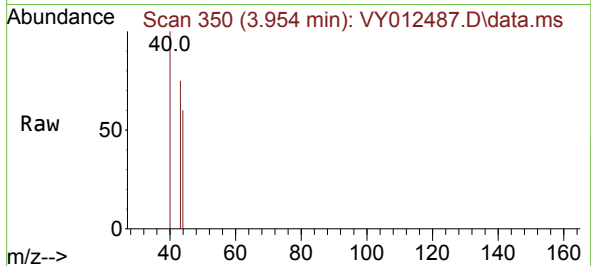




#16
Acetone
Concen: 1.593 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012487.D
Acq: 03 Feb 2023 19:07

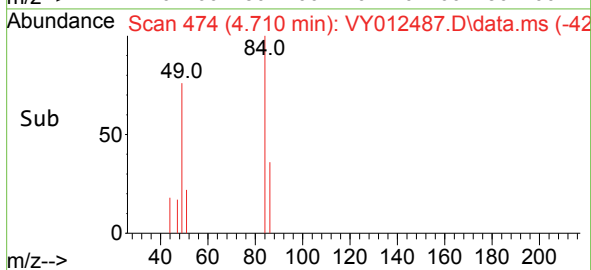
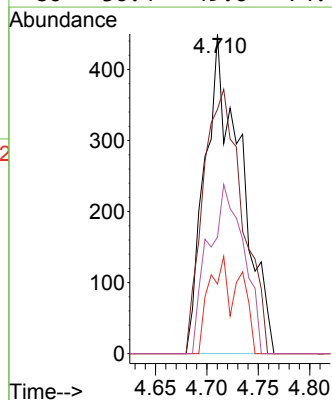
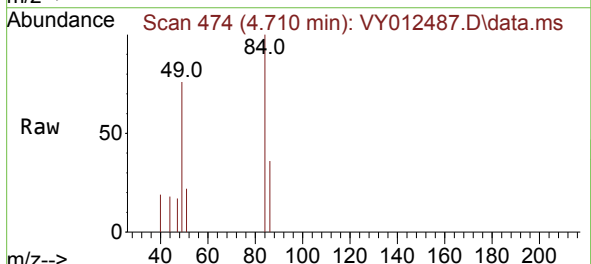
Instrument :
MSVOA_Y
ClientSampleId :

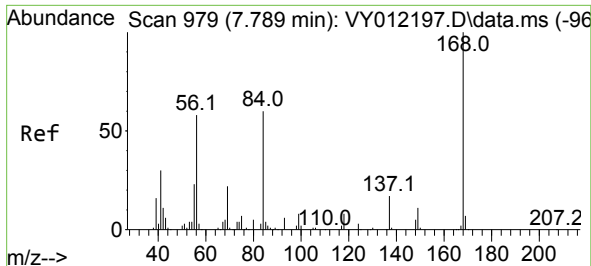
Tgt Ion: 43 Resp: 108
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012487.D
Acq: 03 Feb 2023 19:07

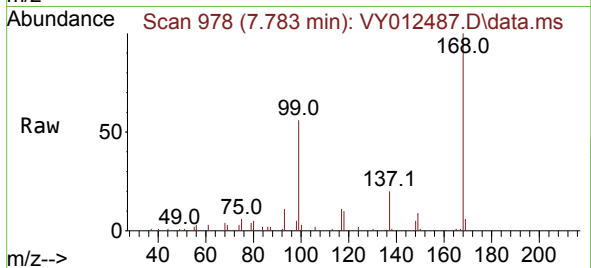
Tgt Ion: 84 Resp: 1094
Ion Ratio Lower Upper
84 100
49 76.4 95.4 143.2#
51 21.8 29.9 44.9#
86 36.4 49.6 74.4#



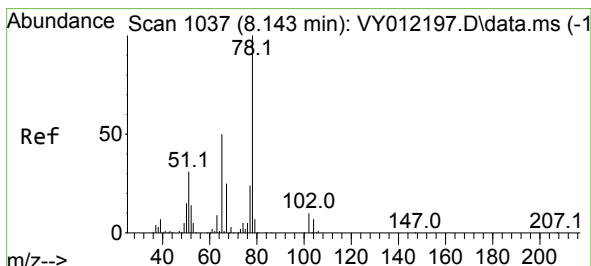
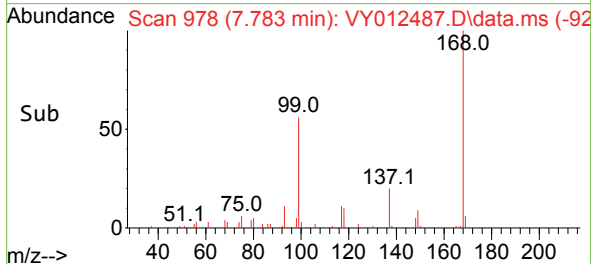
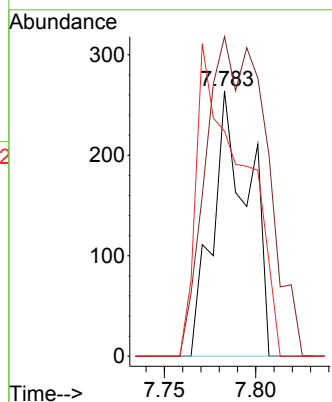


#31
Cyclohexane
Concen: 1.028 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012487.D
Acq: 03 Feb 2023 19:07

Instrument :
MSVOA_Y
ClientSampleId :

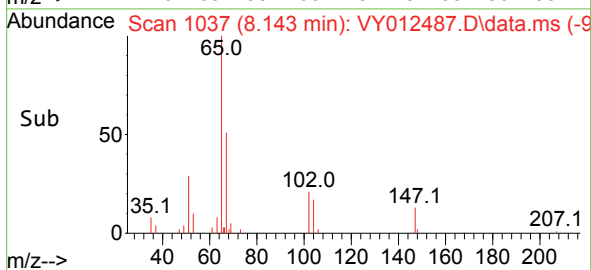
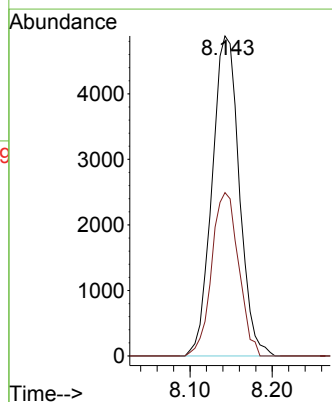
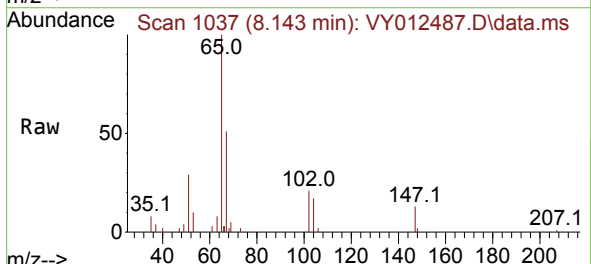


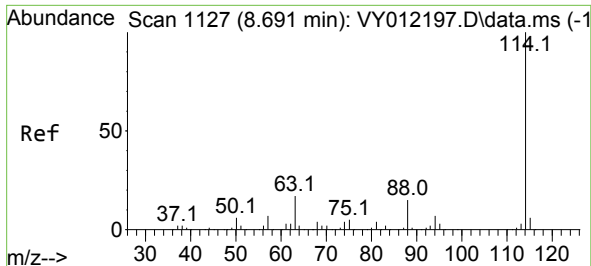
Tgt Ion: 56 Resp: 365
Ion Ratio Lower Upper
56 100
69 120.5 29.2 43.8#
84 84.8 72.6 108.8



#33
1,2-Dichloroethane-d4
Concen: 56.145 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012487.D
Acq: 03 Feb 2023 19:07

Tgt Ion: 65 Resp: 11234
Ion Ratio Lower Upper
65 100
67 50.5 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012487.D

Acq: 03 Feb 2023 19:07

Instrument :

MSVOA_Y

ClientSampleId :

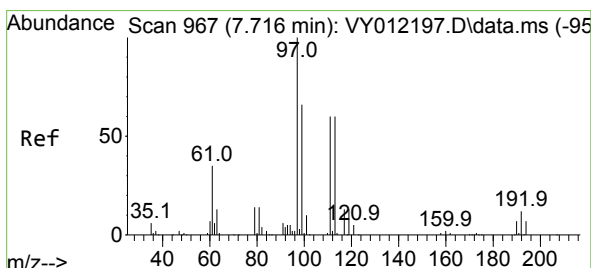
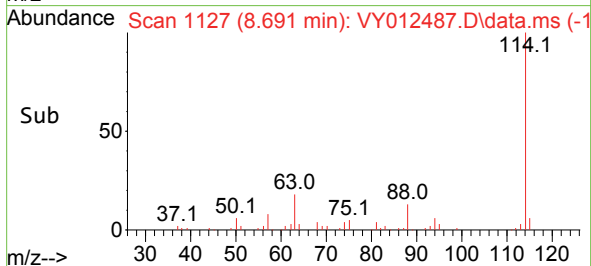
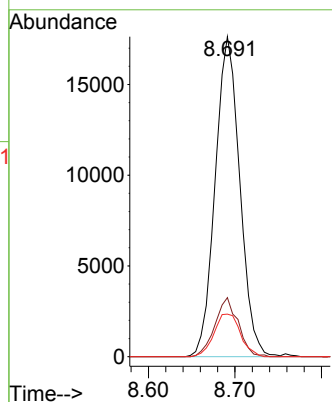
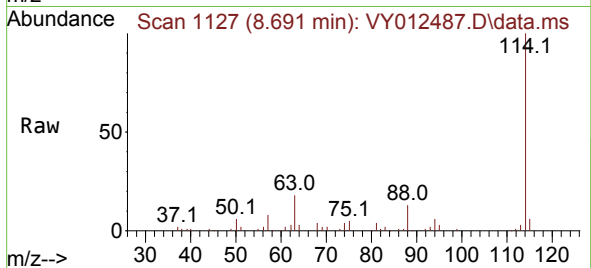
Tgt Ion:114 Resp: 34793

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.6

88 13.3 0.0 32.2



#35

Dibromofluoromethane

Concen: 59.925 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012487.D

Acq: 03 Feb 2023 19:07

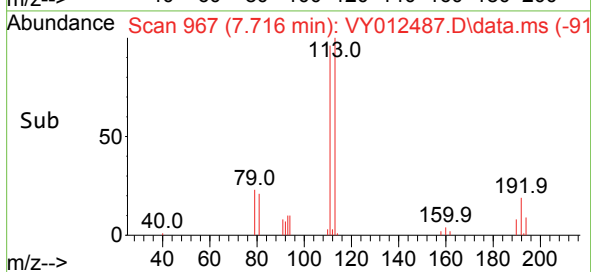
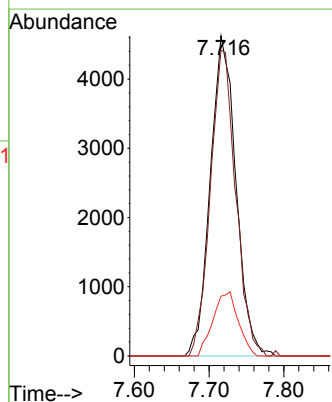
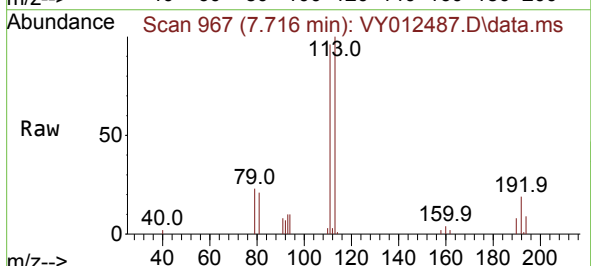
Tgt Ion:113 Resp: 11040

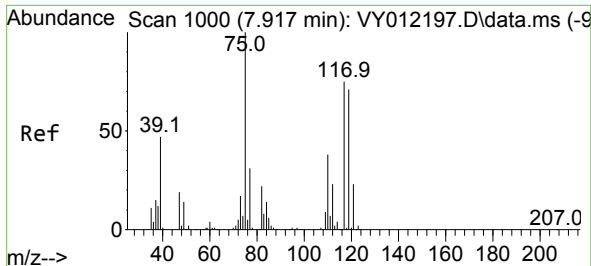
Ion Ratio Lower Upper

113 100

111 94.2 83.0 124.4

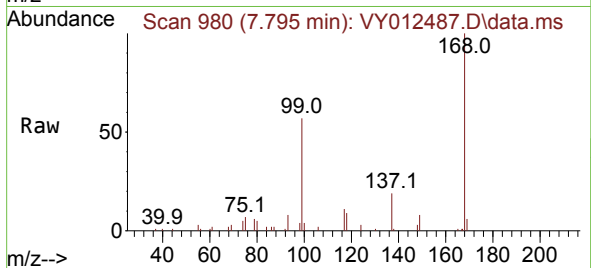
192 19.6 16.0 24.0





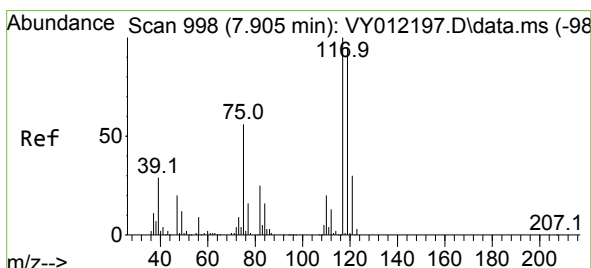
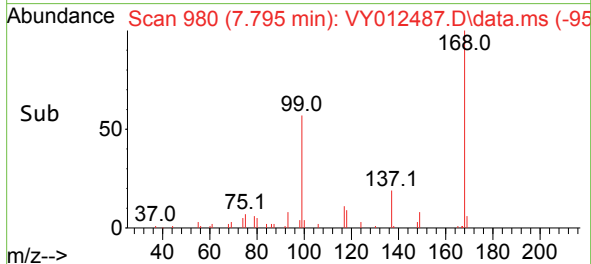
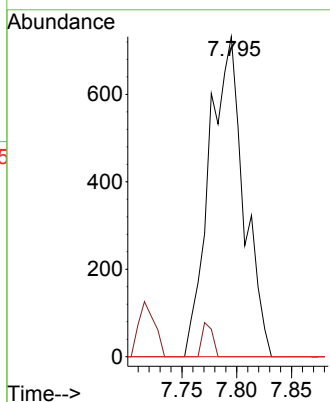
#36
 1,1-Dichloropropene
 Concen: 5.117 ug/l
 RT: 7.795 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY012487.D
 Acq: 03 Feb 2023 19:07

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 1602

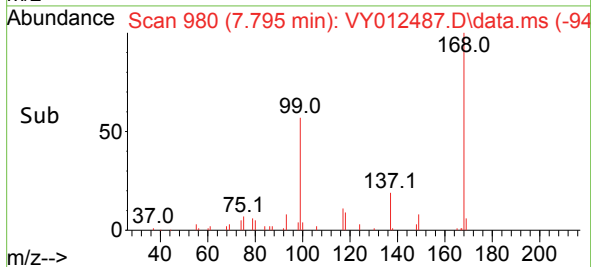
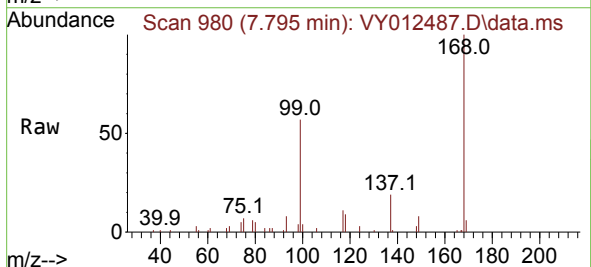
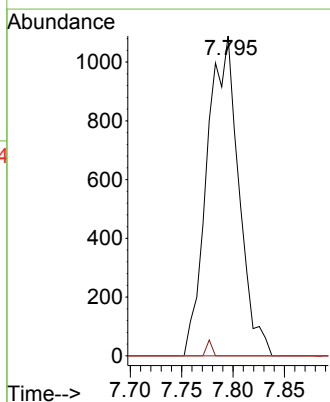
Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.1	54.1#
77	0.0	25.1	37.7#

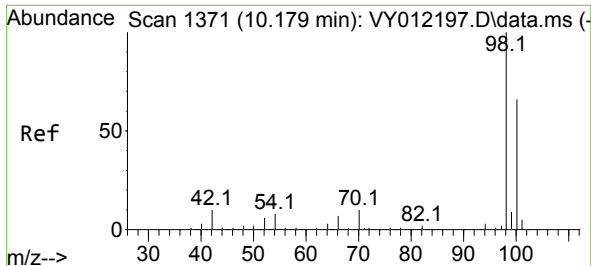


#38
 Carbon Tetrachloride
 Concen: 5.774 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.104 min
 Lab File: VY012487.D
 Acq: 03 Feb 2023 19:07

Tgt Ion: 117 Resp: 2335

Ion	Ratio	Lower	Upper
117	100		
119	0.0	73.8	110.8#
121	0.0	25.2	37.8#

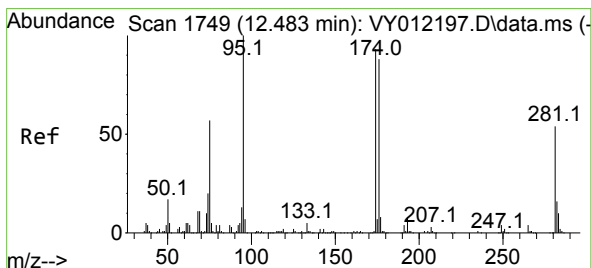
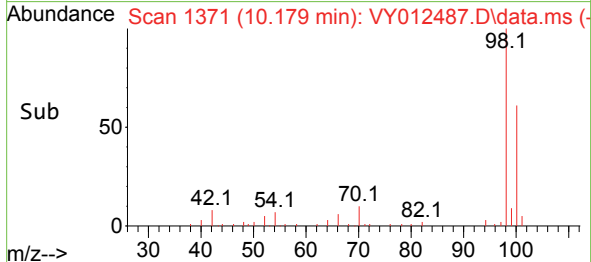
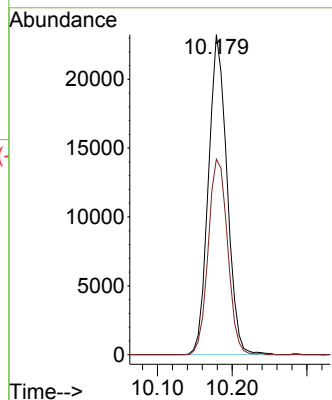
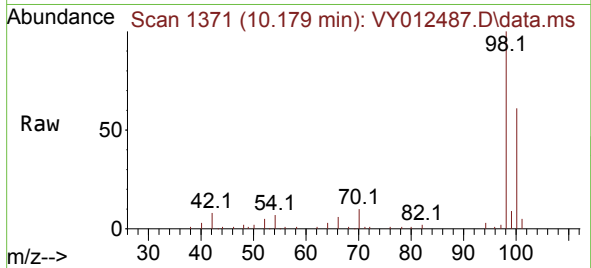




#50
Toluene-d8
Concen: 64.039 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012487.D
Acq: 03 Feb 2023 19:07

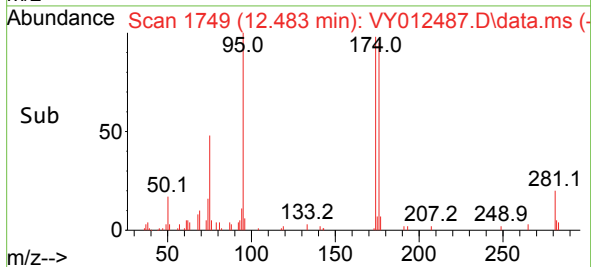
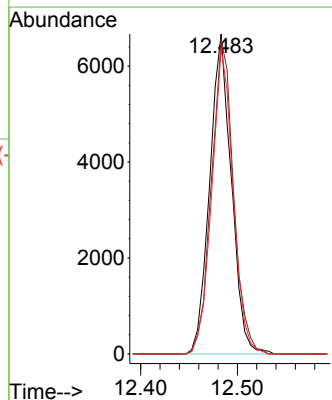
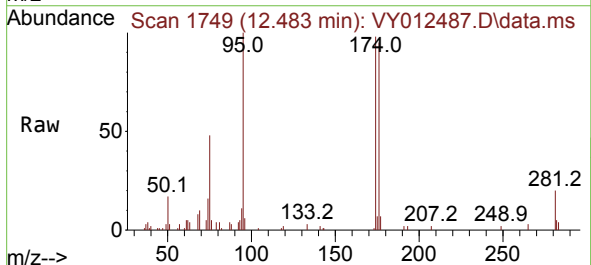
Instrument :
MSVOA_Y
ClientSampleId :

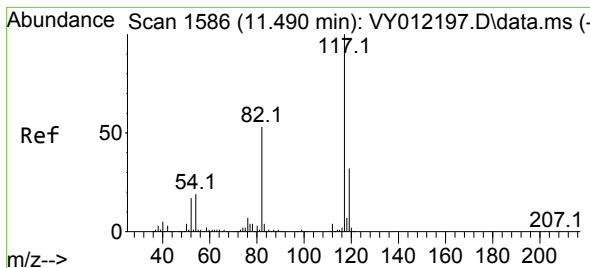
Tgt Ion: 98 Resp: 40101
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 39.822 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012487.D
Acq: 03 Feb 2023 19:07

Tgt Ion: 95 Resp: 10342
Ion Ratio Lower Upper
95 100
174 100.1 0.0 172.0
176 94.3 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

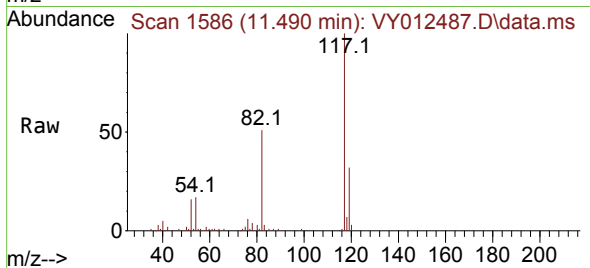
Lab File: VY012487.D

Acq: 03 Feb 2023 19:07

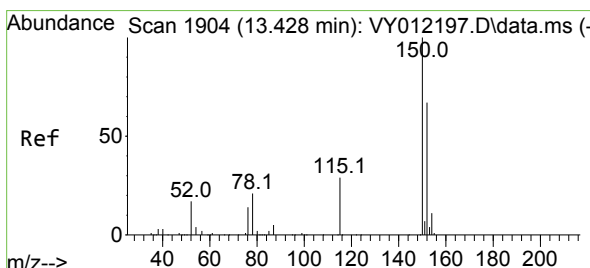
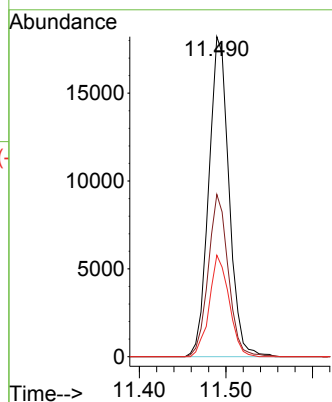
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:117	Resp:	29547
Ion	Ratio	Lower Upper
117	100	
82	50.7	44.8 67.2
119	31.7	25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

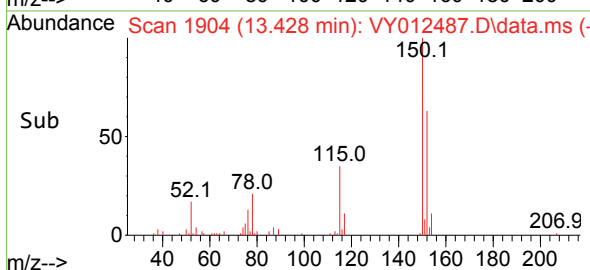
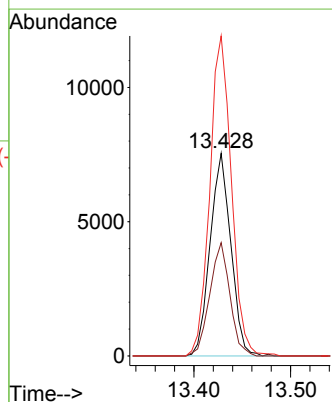
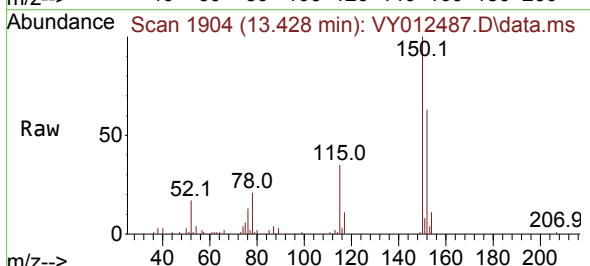
RT: 13.428 min Scan# 1904

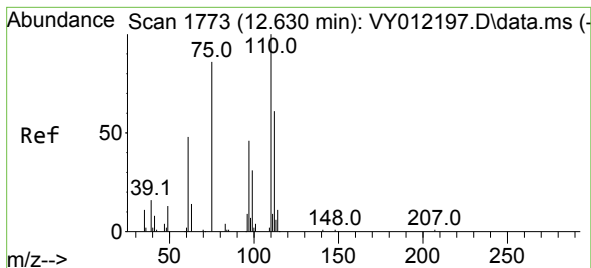
Delta R.T. 0.006 min

Lab File: VY012487.D

Acq: 03 Feb 2023 19:07

Tgt Ion:152	Resp:	11277
Ion	Ratio	Lower Upper
152	100	
115	54.3	29.1 87.3
150	164.0	0.0 342.6

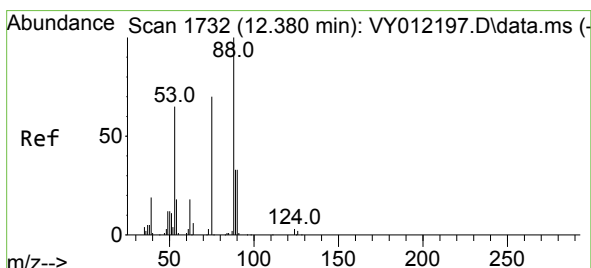
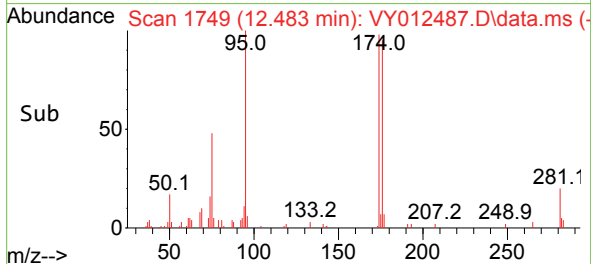
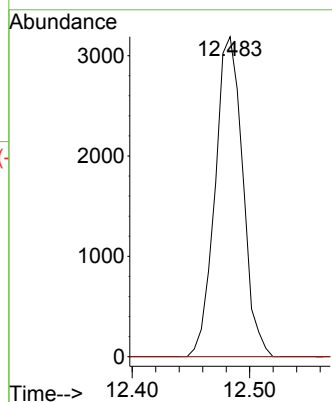
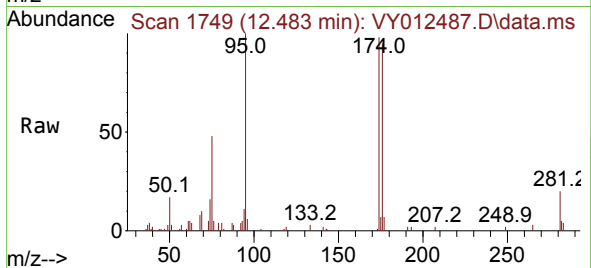




#76
1,2,3-Trichloropropane
Concen: 50.243 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012487.D
Acq: 03 Feb 2023 19:07

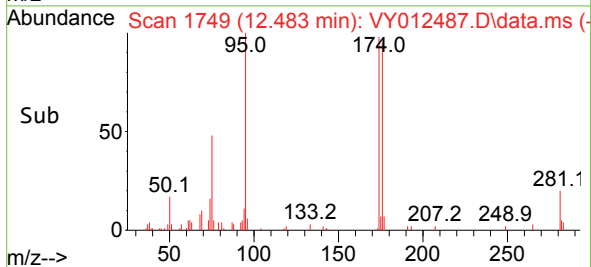
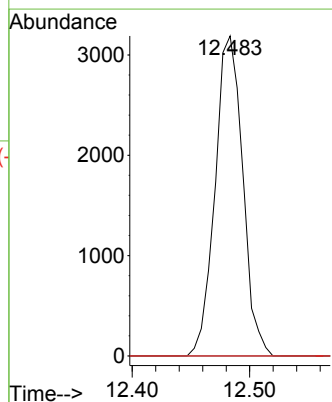
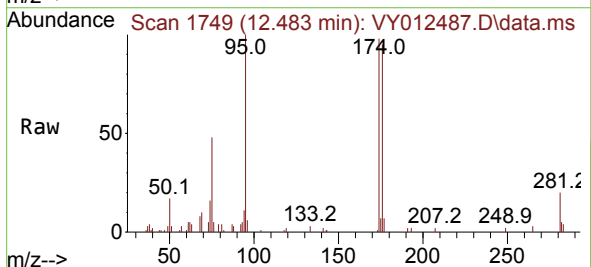
Instrument :
MSVOA_Y
ClientSampleId :

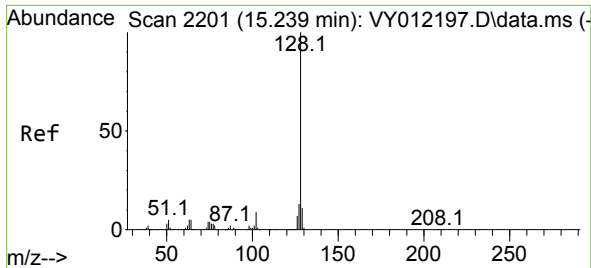
Tgt Ion: 75 Resp: 5210
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 103.523 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012487.D
Acq: 03 Feb 2023 19:07

Tgt Ion: 75 Resp: 5210
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 3.878 ug/l

RT: 15.239 min Scan# 21

Delta R.T. 0.006 min

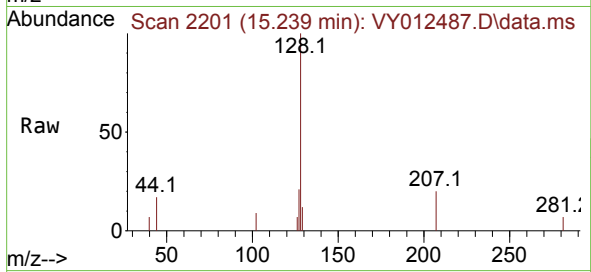
Lab File: VY012487.D

Acq: 03 Feb 2023 19:07

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	128	Resp:	1703
Ion	Ratio	Lower	Upper
128	100		
127	8.7	10.2	15.2#
129	6.6	8.8	13.2#

