

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
 Data File : VY015207.D
 Acq On : 18 Aug 2023 19:44
 Operator : SY/MD
 Sample : 04086-20
 Misc : 4.99g/5.2mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 18 23:16:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

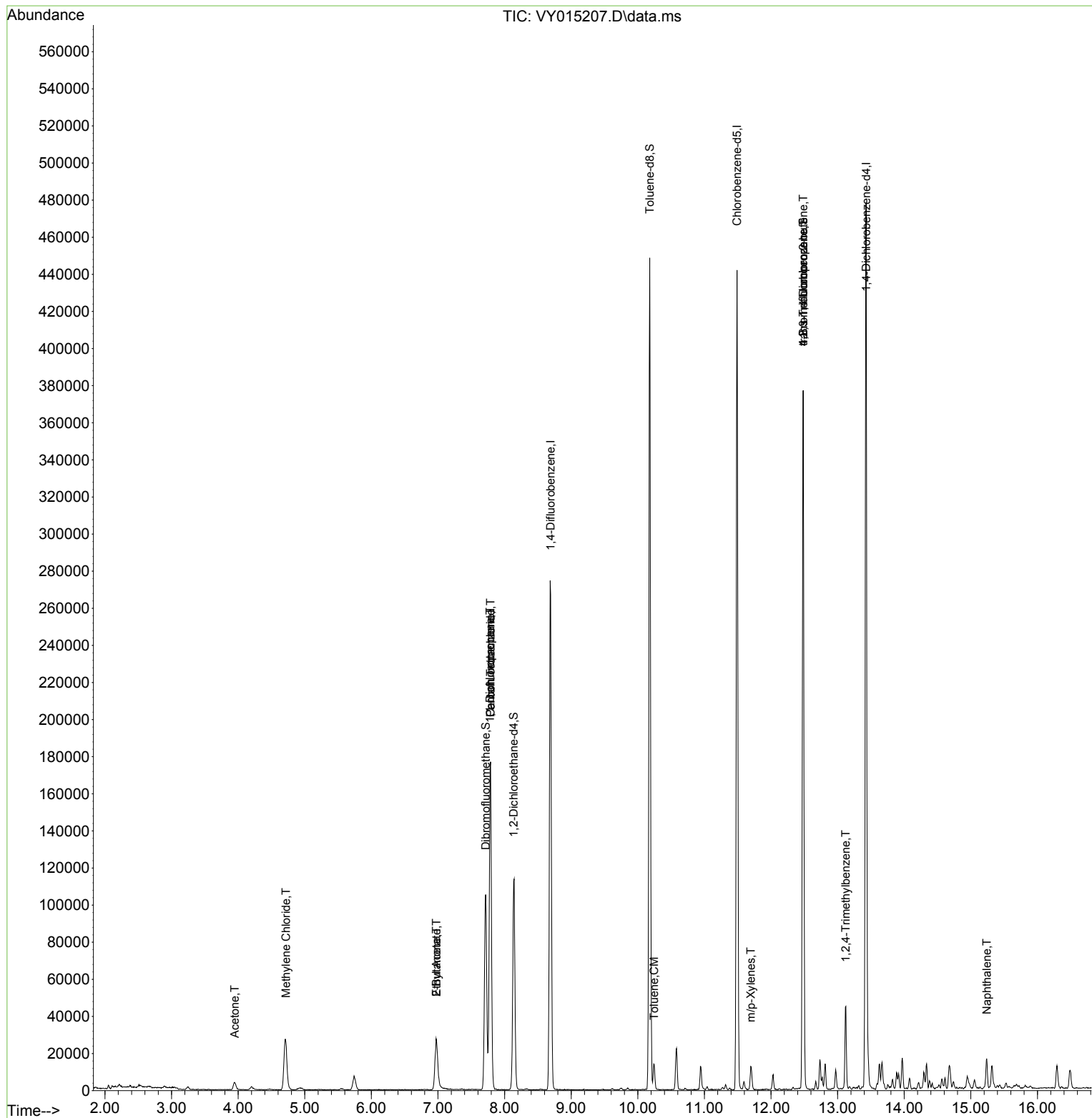
Internal Standards						
1) Pentafluorobenzene	7.789	168	139401	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	241166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	235460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	120367	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	88405	52.830	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.660%			
35) Dibromofluoromethane	7.716	113	75354	48.568	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.140%			
50) Toluene-d8	10.179	98	286517	49.608	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.220%			
62) 4-Bromofluorobenzene	12.483	95	110583	52.421	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.840%			
Target Compounds					Qvalue	
3) Chloromethane	2.107	50	398	Below Cal		91
5) Bromomethane	2.656	94	191	Below Cal		85
11) Tert butyl alcohol	4.936	59	1287	Below Cal #		89
16) Acetone	3.948	43	7426	13.584	ug/l	94
20) Methylene Chloride	4.716	84	21240	13.009	ug/l	87
25) 2-Butanone	6.978	43	2477	3.200	ug/l #	89
31) Cyclohexane	7.783	56	3062	Below Cal #		11
36) 1,1-Dichloropropene	7.783	75	10620	6.187	ug/l #	50
37) Ethyl Acetate	6.978	43	2477	1.548	ug/l #	30
38) Carbon Tetrachloride	7.789	117	13973	6.878	ug/l #	15
52) Toluene	10.246	92	5681	1.661	ug/l	97
68) m/p-Xylenes	11.697	106	4103	1.437	ug/l	96
76) 1,2,3-Trichloropropane	12.483	75	60314	41.244	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	60314	90.592	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.123	105	24633	3.821	ug/l	97
95) Naphthalene	15.239	128	13610	2.434	ug/l	98

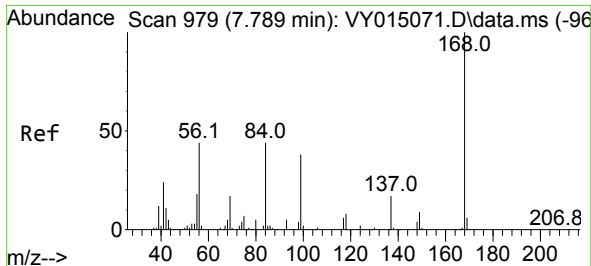
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081823\
Data File : VY015207.D
Acq On : 18 Aug 2023 19:44
Operator : SY/MD
Sample : 04086-20
Misc : 4.99g/5.2mL/MSVOA_Y/SOIL
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Aug 18 23:16:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 14 12:43:26 2023
Response via : Initial Calibration

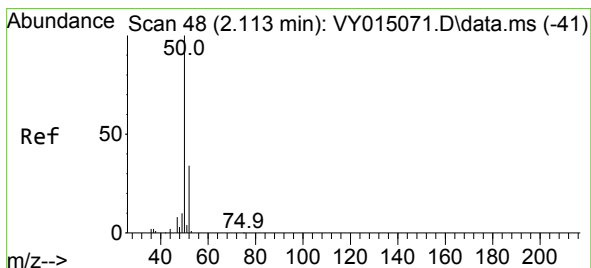
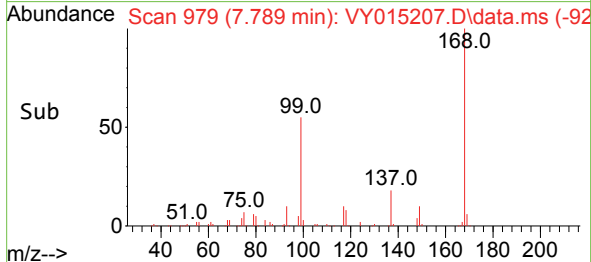
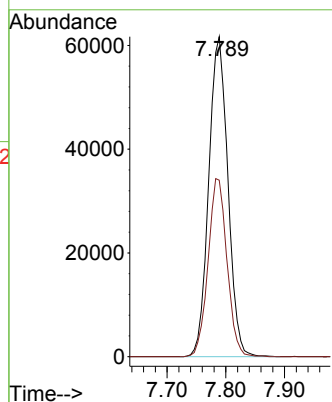
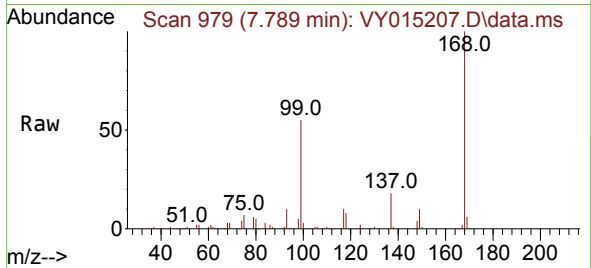




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015207.D
Acq: 18 Aug 2023 19:44

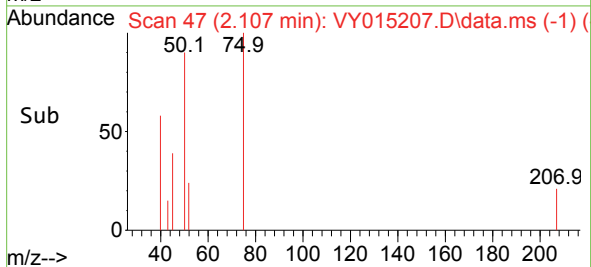
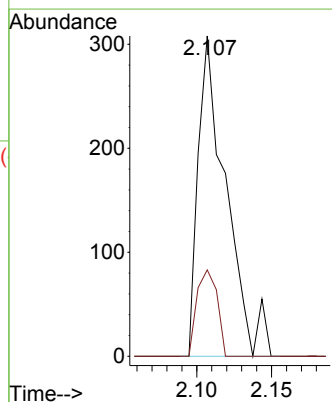
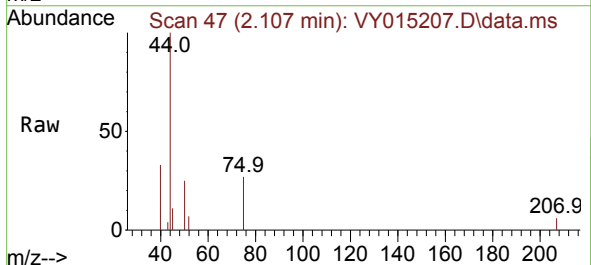
Instrument :
MSVOA_Y
ClientSampleId :

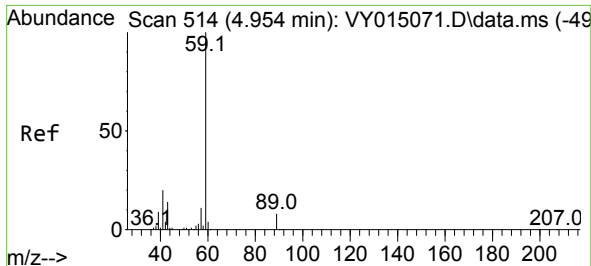
Tgt Ion:168 Resp: 139401
Ion Ratio Lower Upper
168 100
99 55.1 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY015207.D
Acq: 18 Aug 2023 19:44

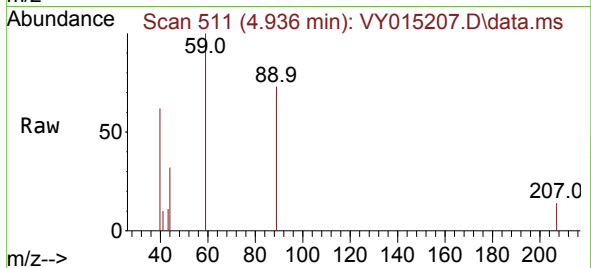
Tgt Ion: 50 Resp: 398
Ion Ratio Lower Upper
50 100
52 26.9 25.4 38.2



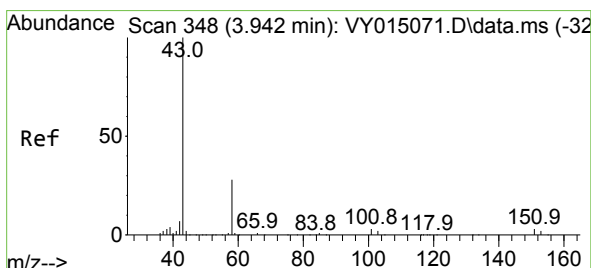
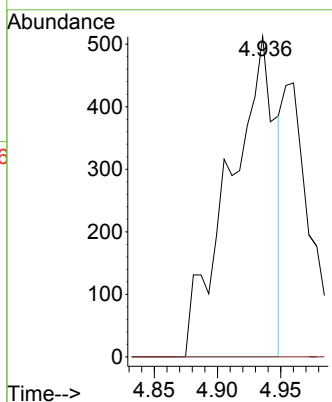
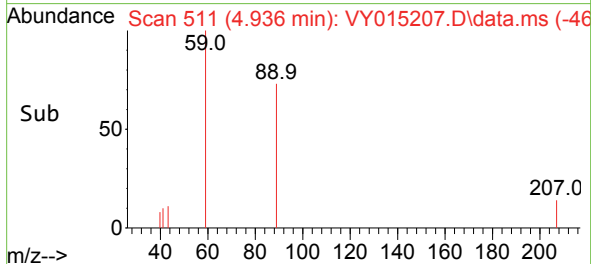


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.936 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY015207.D
Acq: 18 Aug 2023 19:44

Instrument :
MSVOA_Y
ClientSampleId :

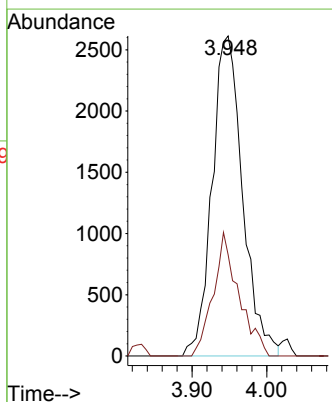
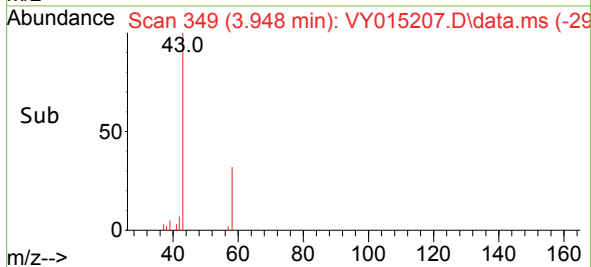
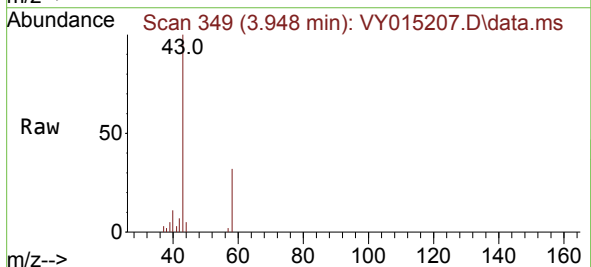


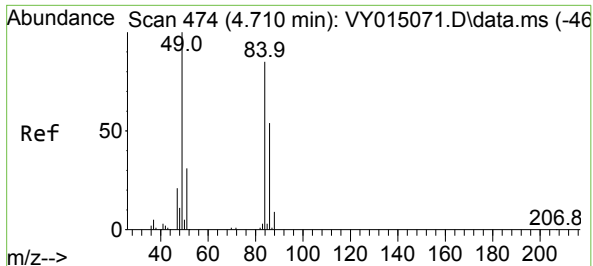
Tgt Ion: 59 Resp: 1287
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 13.584 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015207.D
Acq: 18 Aug 2023 19:44

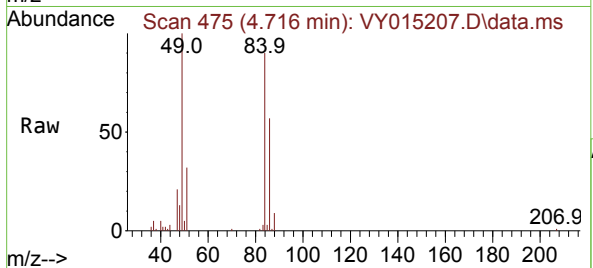
Tgt Ion: 43 Resp: 7426
Ion Ratio Lower Upper
43 100
58 31.6 22.7 34.1



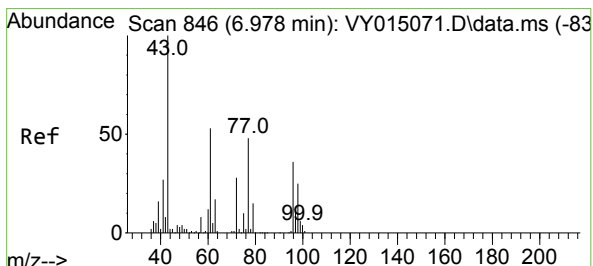
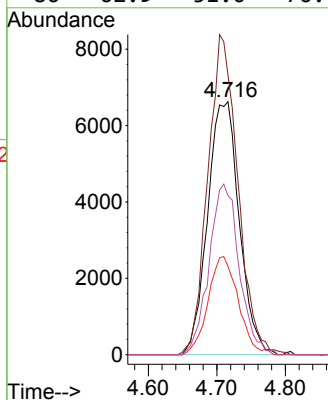
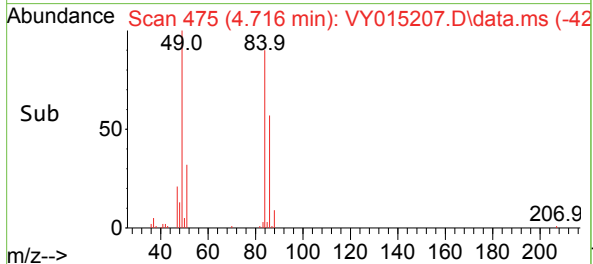


#20
Methylene Chloride
Concen: 13.009 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY015207.D
Acq: 18 Aug 2023 19:44

Instrument :
MSVOA_Y
ClientSampleId :

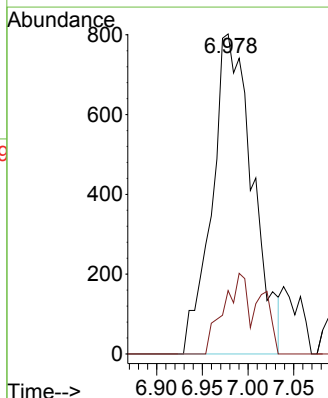
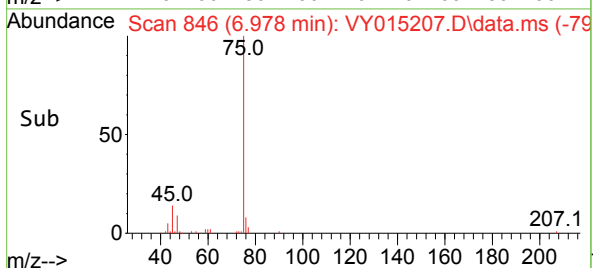
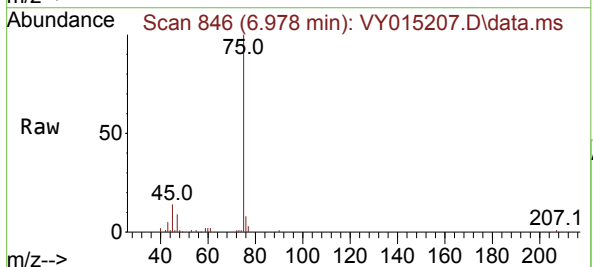


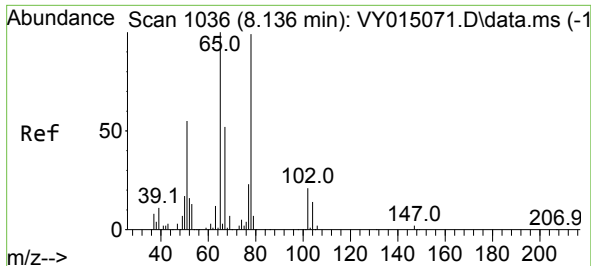
Tgt Ion:	84	Resp:	21240
Ion	Ratio	Lower	Upper
84	100		
49	110.5	106.9	160.3
51	34.9	33.2	49.8
86	62.9	51.0	76.6



#25
2-Butanone
Concen: 3.200 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY015207.D
Acq: 18 Aug 2023 19:44

Tgt Ion:	43	Resp:	2477
Ion	Ratio	Lower	Upper
43	100		
72	19.8	20.5	30.7#





#33

1,2-Dichloroethane-d4

Concen: 52.830 ug/l

RT: 8.136 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY015207.D

Acq: 18 Aug 2023 19:44

Instrument :

MSVOA_Y

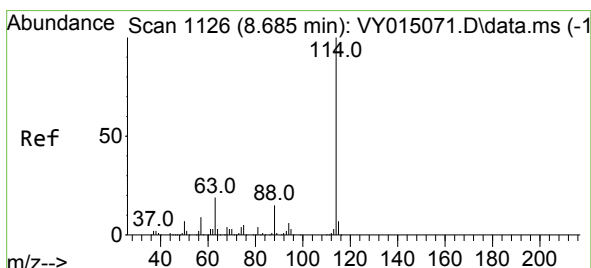
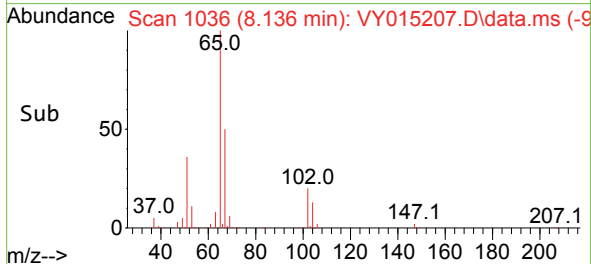
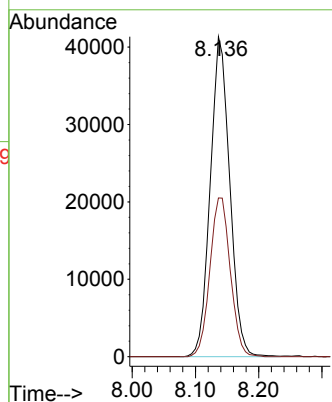
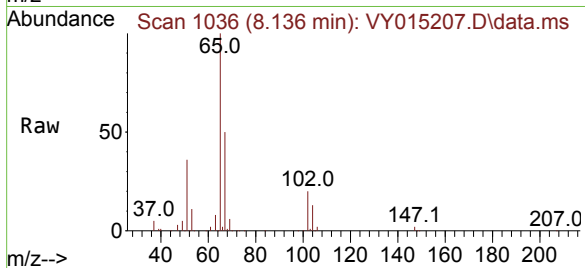
ClientSampleId :

Tgt Ion: 65 Resp: 88405

Ion Ratio Lower Upper

65 100

67 51.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015207.D

Acq: 18 Aug 2023 19:44

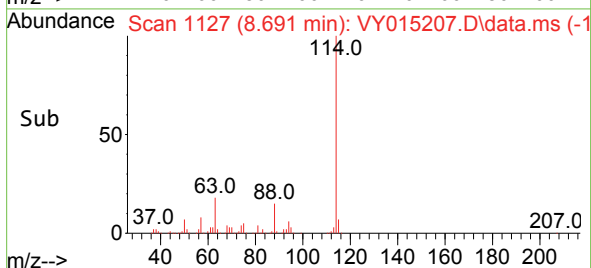
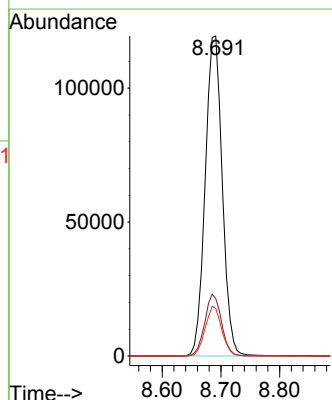
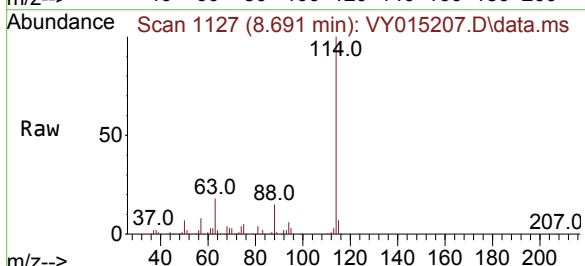
Tgt Ion:114 Resp: 241166

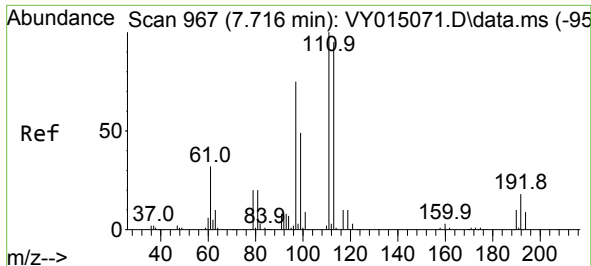
Ion Ratio Lower Upper

114 100

63 17.9 0.0 42.4

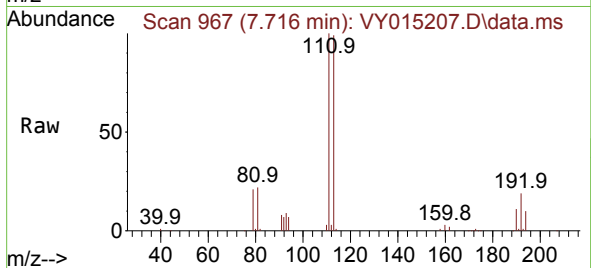
88 14.9 0.0 30.6



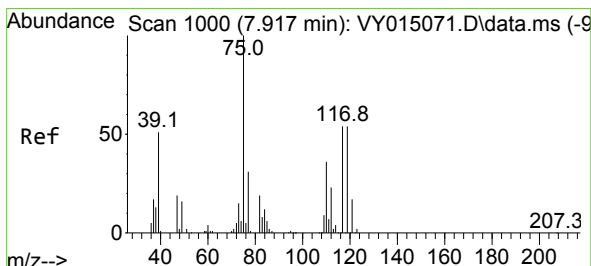
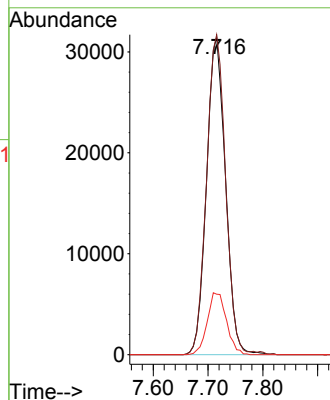
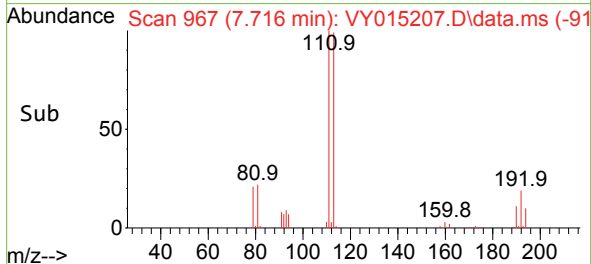


#35
Dibromofluoromethane
Concen: 48.568 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY015207.D
Acq: 18 Aug 2023 19:44

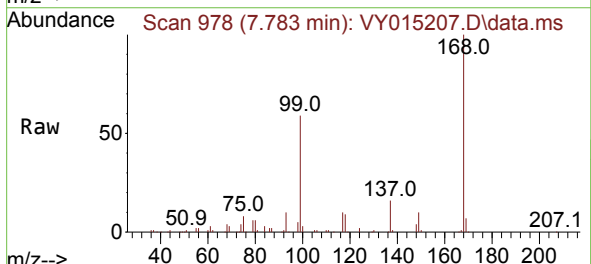
Instrument :
MSVOA_Y
ClientSampleId :



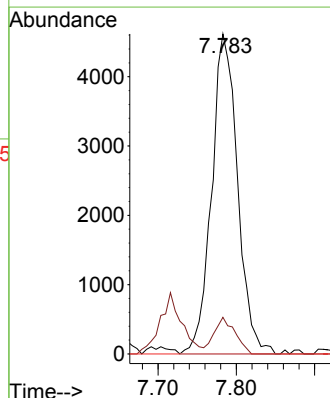
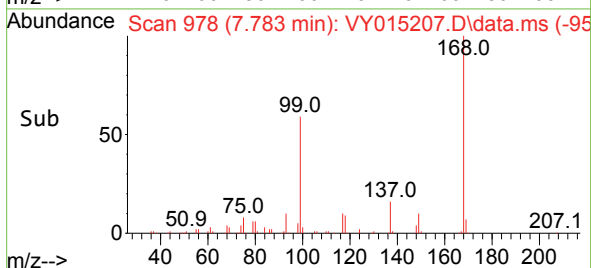
Tgt Ion:113 Resp: 75354
Ion Ratio Lower Upper
113 100
111 101.9 81.3 121.9
192 19.8 16.9 25.3

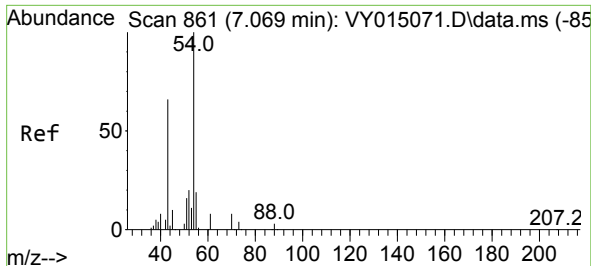


#36
1,1-Dichloropropene
Concen: 6.187 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015207.D
Acq: 18 Aug 2023 19:44



Tgt Ion: 75 Resp: 10620
Ion Ratio Lower Upper
75 100
110 9.2 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.548 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.091 min

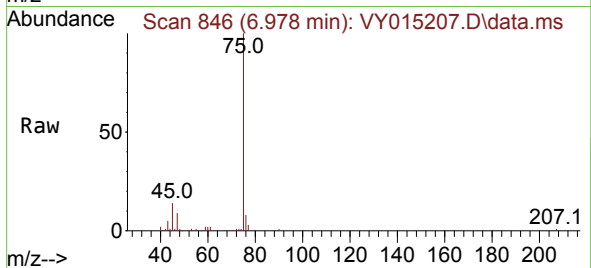
Lab File: VY015207.D

Acq: 18 Aug 2023 19:44

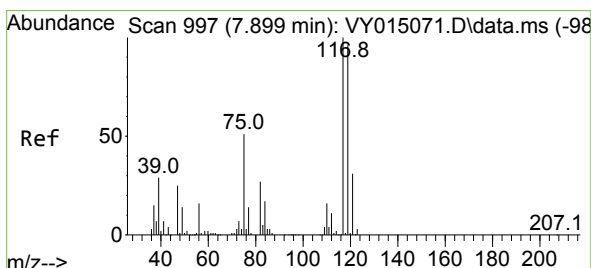
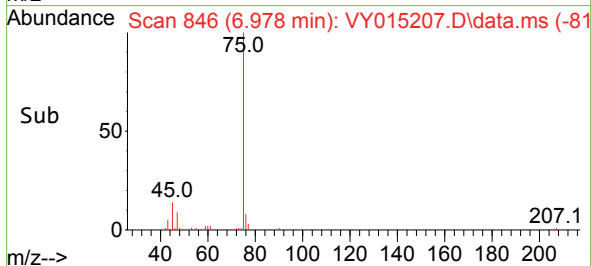
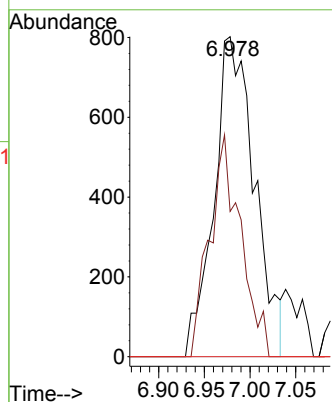
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	2477
Ion	Ratio	Lower	Upper
43	100		
61	52.9	10.1	15.1#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 6.878 ug/l

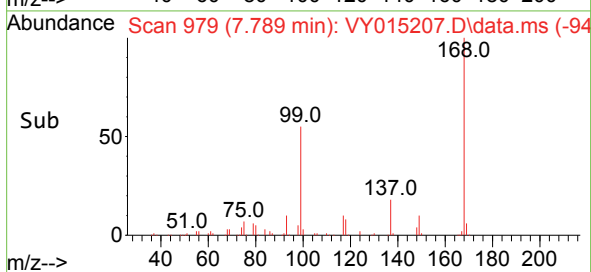
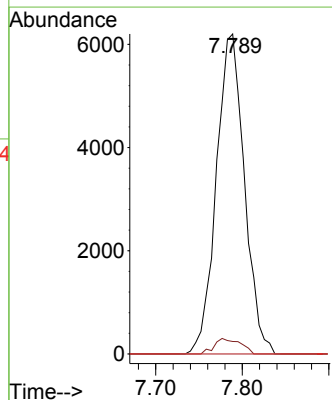
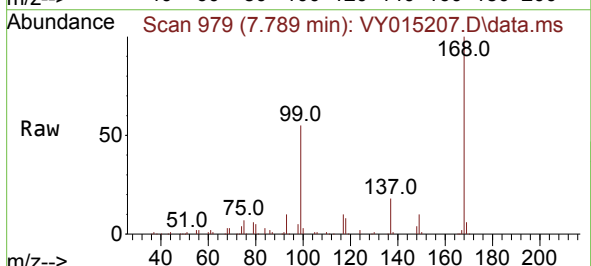
RT: 7.789 min Scan# 979

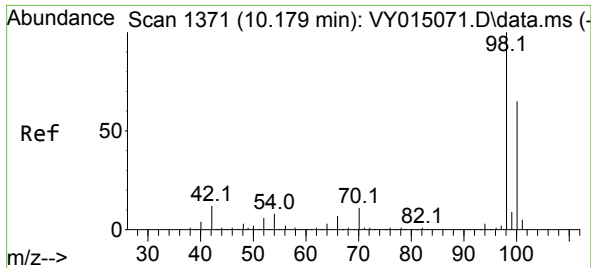
Delta R.T. -0.110 min

Lab File: VY015207.D

Acq: 18 Aug 2023 19:44

Tgt Ion:	117	Resp:	13973
Ion	Ratio	Lower	Upper
117	100		
119	3.9	76.4	114.6#
121	0.0	25.8	38.6#

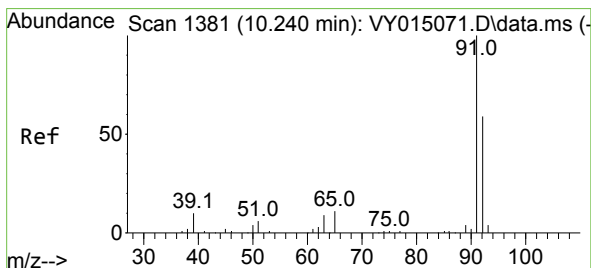
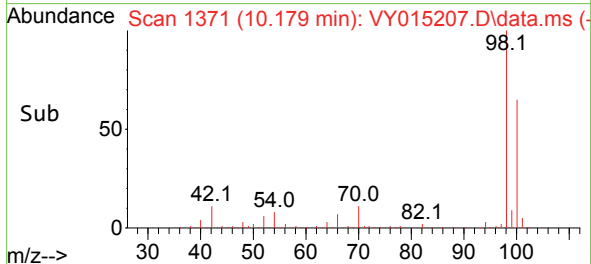
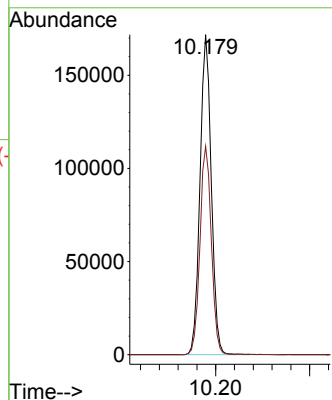
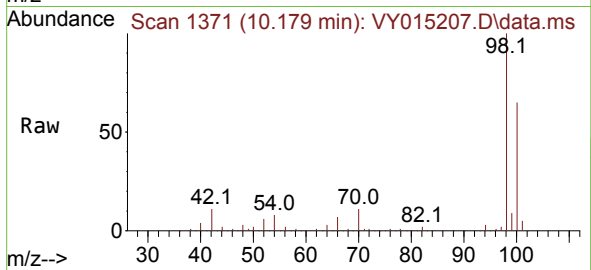




#50
Toluene-d8
Concen: 49.608 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015207.D
Acq: 18 Aug 2023 19:44

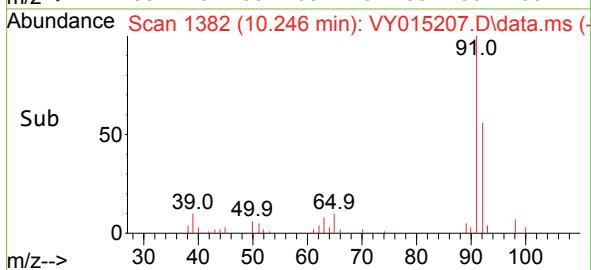
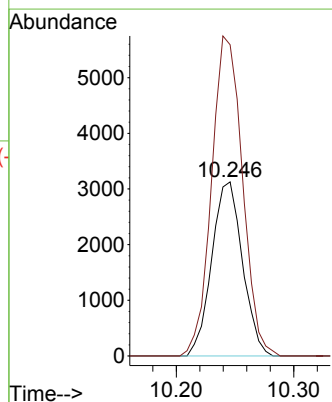
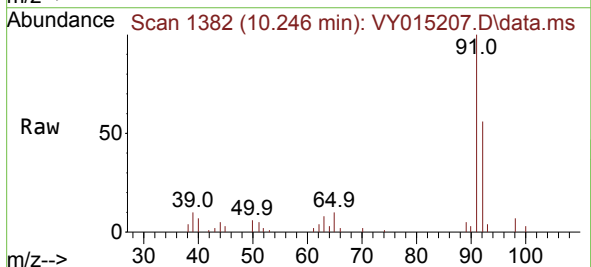
Instrument :
MSVOA_Y
ClientSampleId :

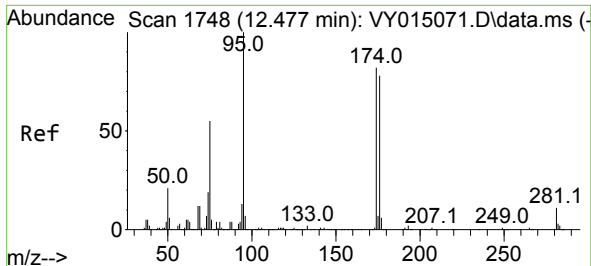
Tgt Ion: 98 Resp: 286517
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1



#52
Toluene
Concen: 1.661 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY015207.D
Acq: 18 Aug 2023 19:44

Tgt Ion: 92 Resp: 5681
Ion Ratio Lower Upper
92 100
91 184.6 143.8 215.6

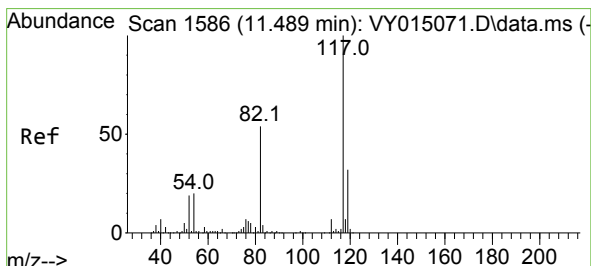
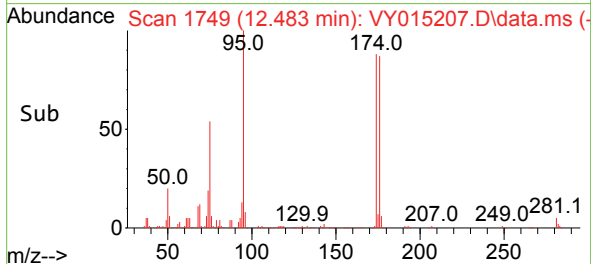
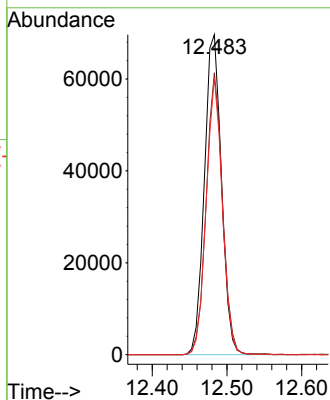
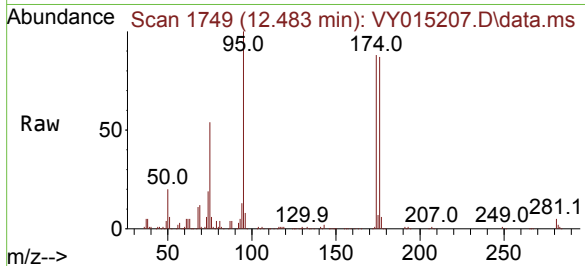




#62
4-Bromofluorobenzene
Concen: 52.421 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015207.D
Acq: 18 Aug 2023 19:44

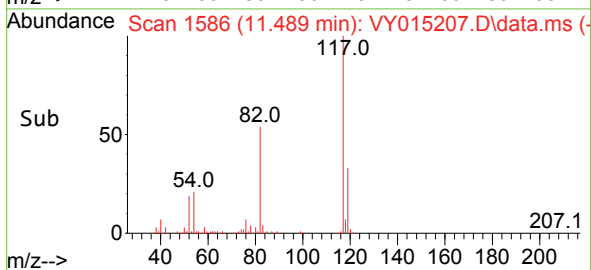
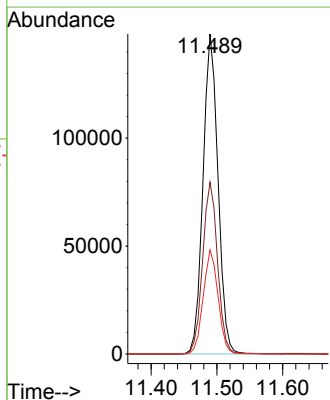
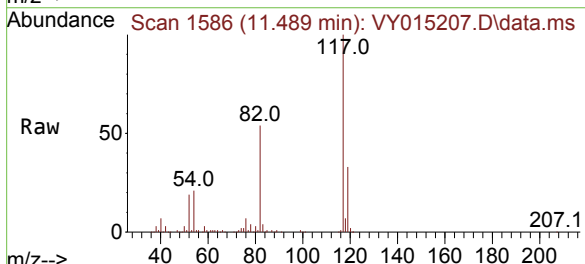
Instrument :
MSVOA_Y
ClientSampleId :

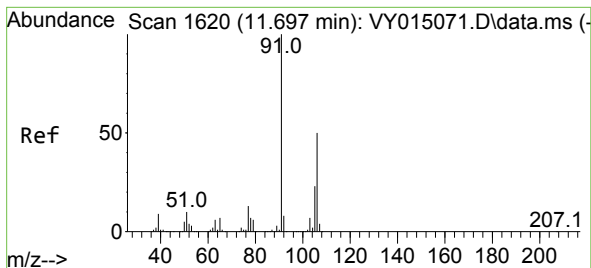
Tgt Ion: 95 Resp: 110583
Ion Ratio Lower Upper
95 100
174 84.4 0.0 178.2
176 81.9 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY015207.D
Acq: 18 Aug 2023 19:44

Tgt Ion: 117 Resp: 235460
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.0
119 32.5 26.3 39.5

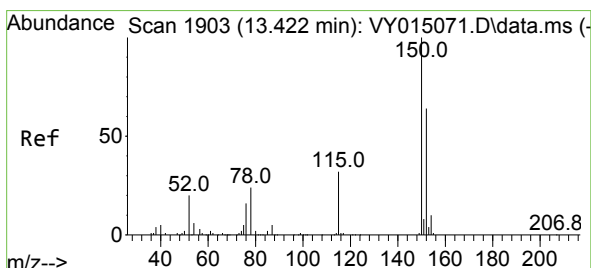
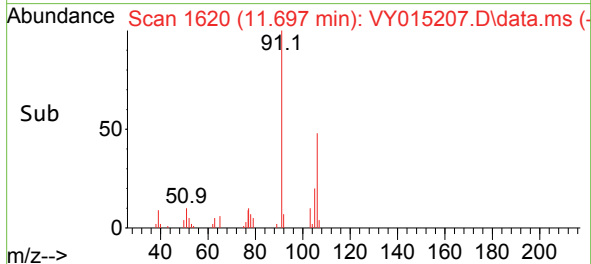
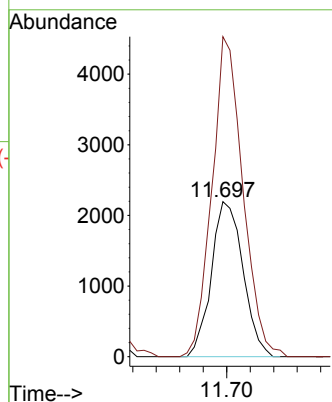
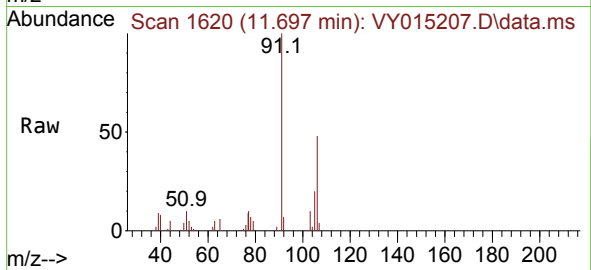




#68
m/p-Xylenes
Concen: 1.437 ug/l
RT: 11.697 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015207.D
Acq: 18 Aug 2023 19:44

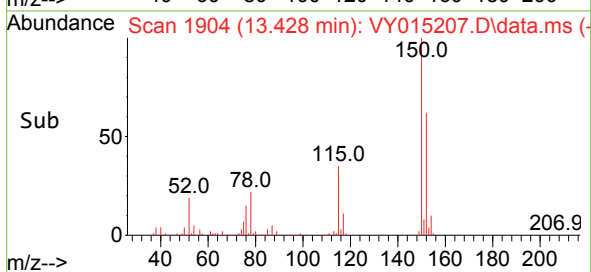
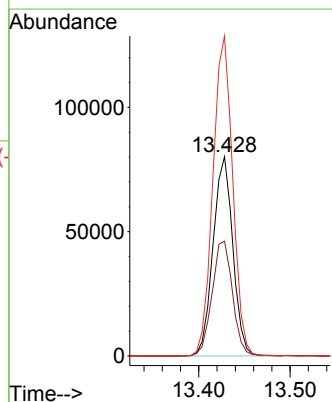
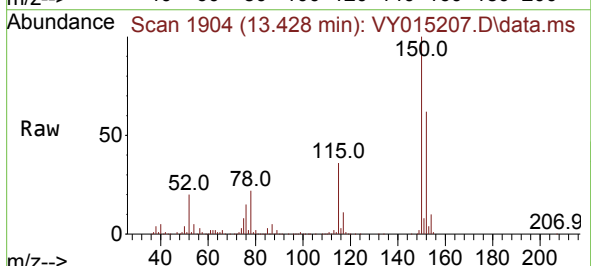
Instrument :
MSVOA_Y
ClientSampleId :

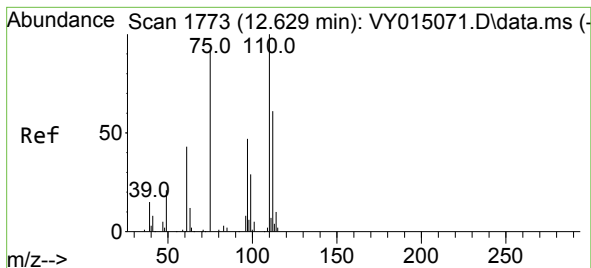
Tgt Ion:106 Resp: 4103
Ion Ratio Lower Upper
106 100
91 201.7 166.1 249.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015207.D
Acq: 18 Aug 2023 19:44

Tgt Ion:152 Resp: 120367
Ion Ratio Lower Upper
152 100
115 59.6 28.8 86.5
150 160.9 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 41.244 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015207.D

Acq: 18 Aug 2023 19:44

Instrument :

MSVOA_Y

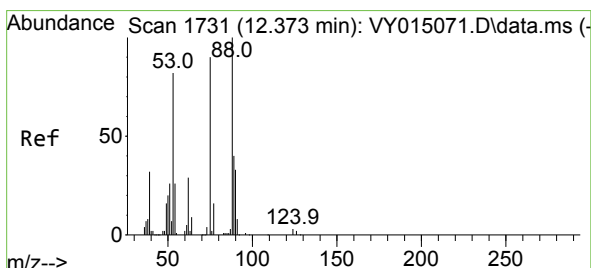
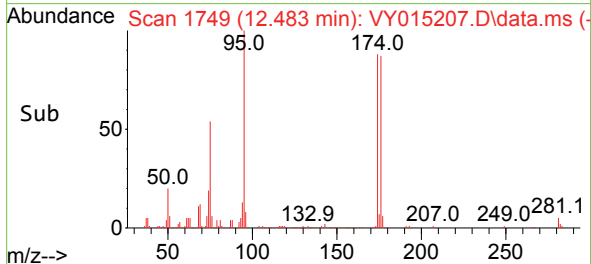
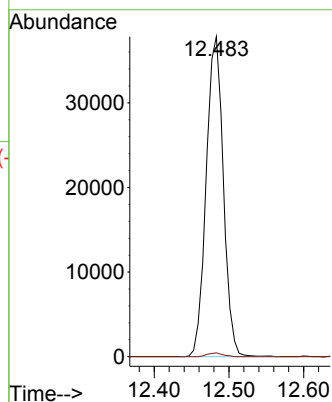
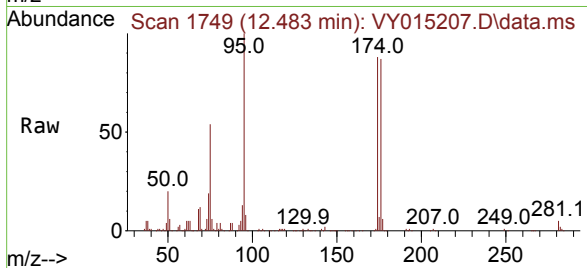
ClientSampleId :

Tgt Ion: 75 Resp: 60314

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 90.592 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.110 min

Lab File: VY015207.D

Acq: 18 Aug 2023 19:44

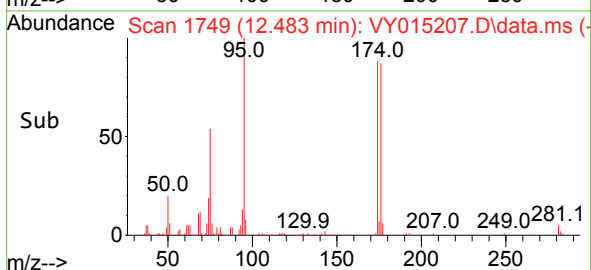
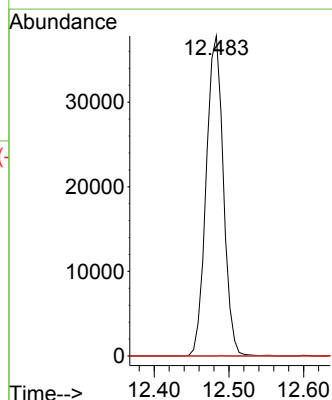
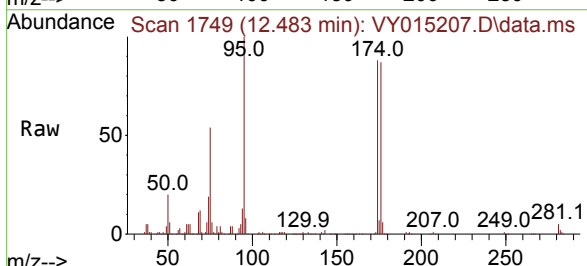
Tgt Ion: 75 Resp: 60314

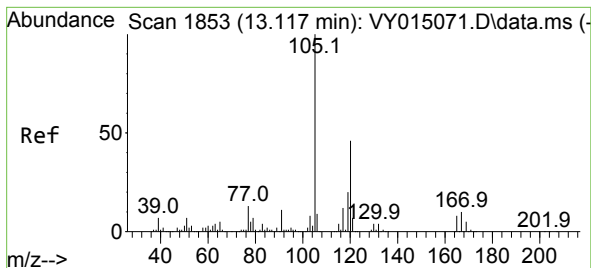
Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.0 37.4 56.0#





#84

1,2,4-Trimethylbenzene

Concen: 3.821 ug/l

RT: 13.123 min Scan# 1853

Delta R.T. 0.006 min

Lab File: VY015207.D

Acq: 18 Aug 2023 19:44

Instrument :

MSVOA_Y

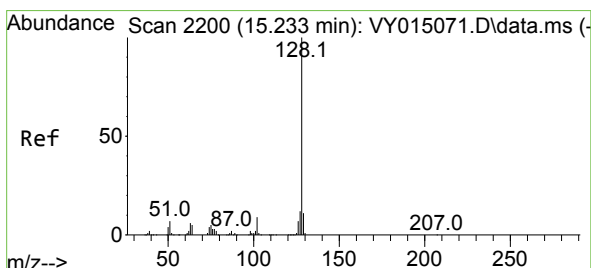
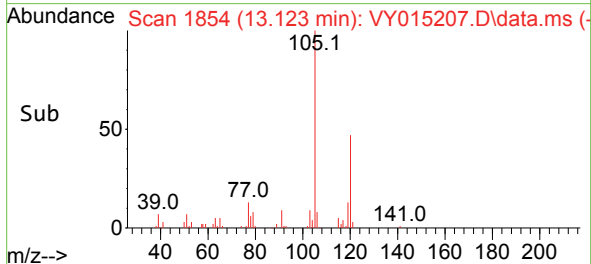
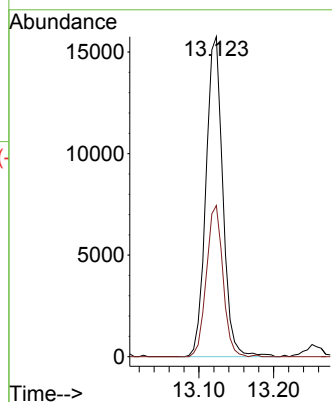
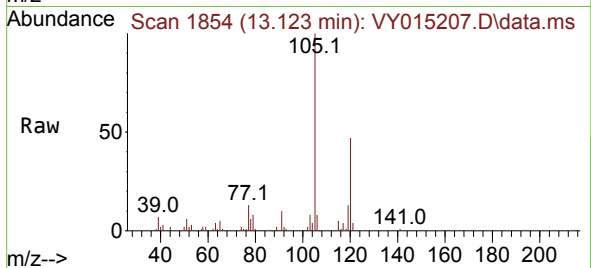
ClientSampleId :

Tgt Ion:105 Resp: 24633

Ion Ratio Lower Upper

105 100

120 46.2 22.2 66.6



#95

Naphthalene

Concen: 2.434 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY015207.D

Acq: 18 Aug 2023 19:44

Tgt Ion:128 Resp: 13610

Ion Ratio Lower Upper

128 100

127 13.6 10.8 16.2

129 12.0 8.6 13.0

