

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081023\
 Data File : VY015032.D
 Acq On : 10 Aug 2023 17:02
 Operator : SY/MD
 Sample : 03943-01
 Misc : 5.32g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 10 17:15:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

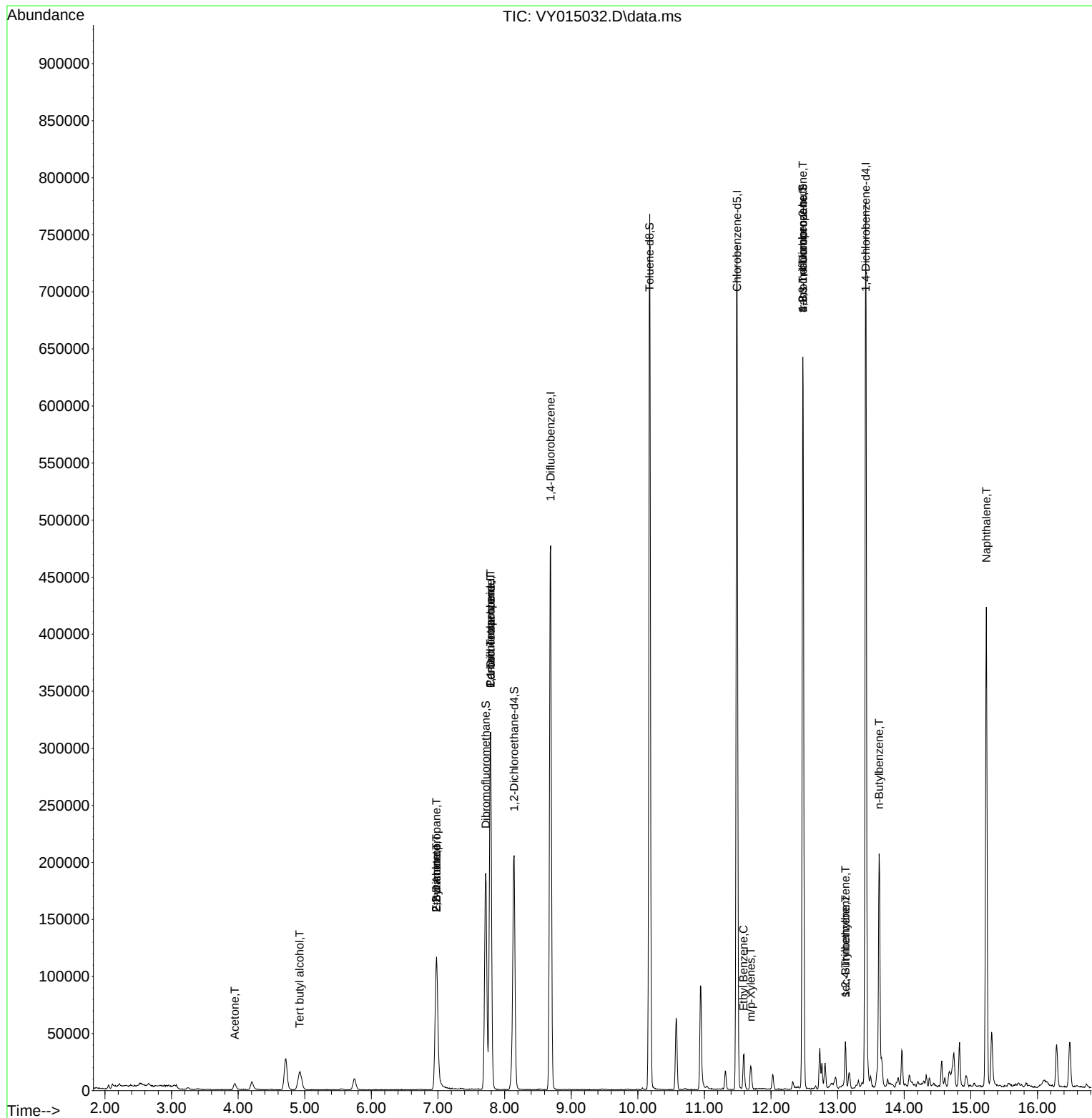
Internal Standards						
1) Pentafluorobenzene	7.789	168	249323	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	421670	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	405068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	197415	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	155892	51.588	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.180%	
35) Dibromofluoromethane	7.716	113	136462	50.607	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.220%	
50) Toluene-d8	10.179	98	497152	48.439	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.880%	
62) 4-Bromofluorobenzene	12.477	95	191745	52.712	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.420%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	63	Below Cal	#	43
5) Bromomethane	2.656	94	827	Below Cal	#	59
11) Tert butyl alcohol	4.923	59	17117	23.470	ug/l #	94
16) Acetone	3.948	43	9722	10.317	ug/l #	86
20) Methylene Chloride	4.716	84	20436	Below Cal		88
25) 2-Butanone	6.978	43	6678	4.948	ug/l #	80
26) 2,2-Dichloropropane	6.978	77	8502	1.938	ug/l #	54
31) Cyclohexane	7.783	56	4775	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	18963	5.664	ug/l #	49
37) Ethyl Acetate	6.978	43	6678	2.513	ug/l #	1
38) Carbon Tetrachloride	7.789	117	23852	6.338	ug/l #	16
67) Ethyl Benzene	11.587	91	22488	1.667	ug/l	98
68) m/p-Xylenes	11.697	106	6304	1.222	ug/l	96
76) 1,2,3-Trichloropropane	12.477	75	101308	42.827	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	101308	94.350	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.117	105	21919	2.001	ug/l	100
85) sec-Butylbenzene	13.117	105	21919	1.493	ug/l #	56
89) n-Butylbenzene	13.623	91	21319	1.867	ug/l #	42
95) Naphthalene	15.233	128	339798	38.810	ug/l	100

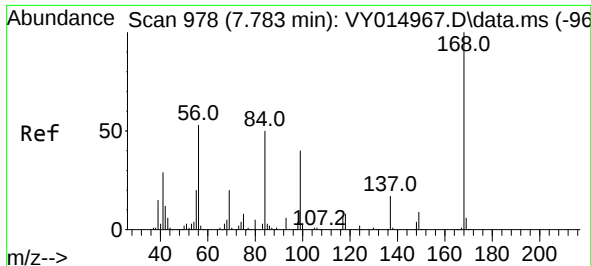
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 08 07:44:56 2023
Response via : Initial Calibration

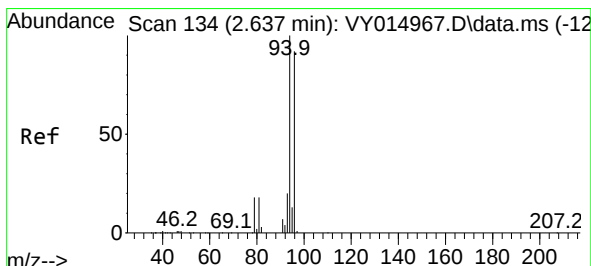
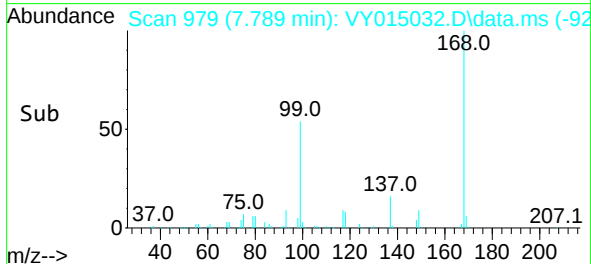
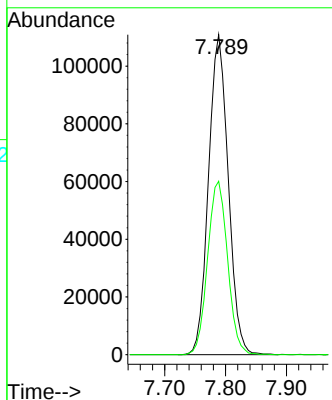
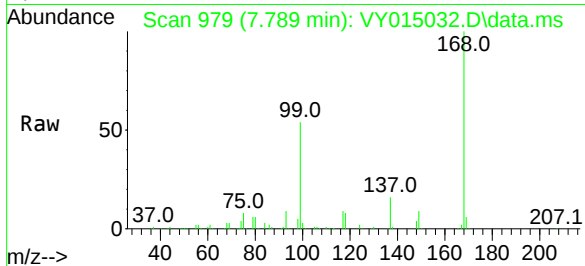




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015032.D
Acq: 10 Aug 2023 17:02

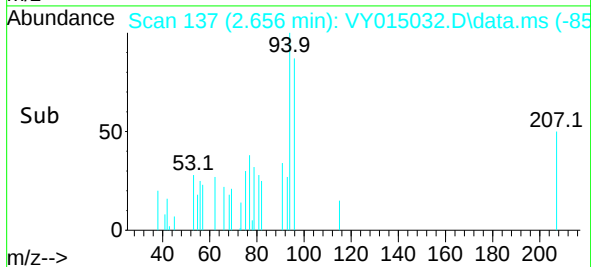
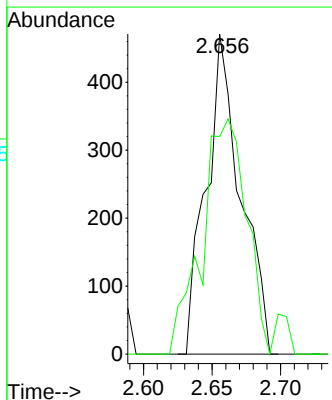
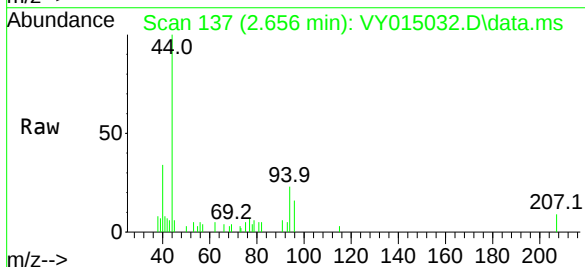
Instrument :
MSVOA_Y
ClientSampleId :

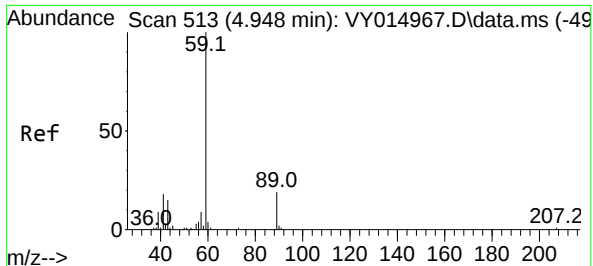
Tgt Ion:168 Resp: 249323
Ion Ratio Lower Upper
168 100
99 54.2 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015032.D
Acq: 10 Aug 2023 17:02

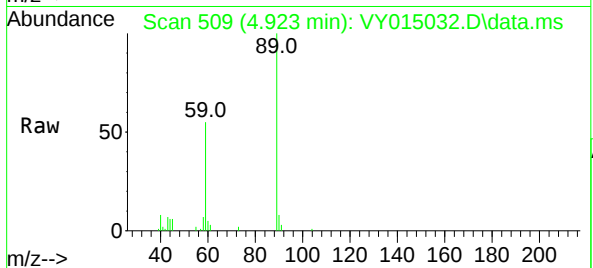
Tgt Ion: 94 Resp: 827
Ion Ratio Lower Upper
94 100
96 55.4 75.8 113.6#



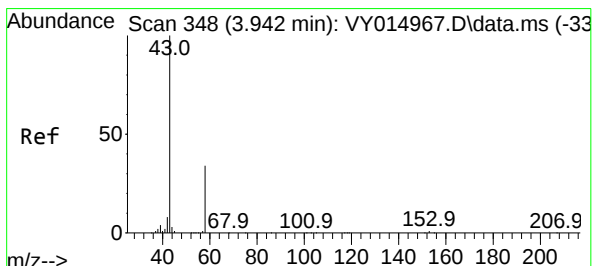
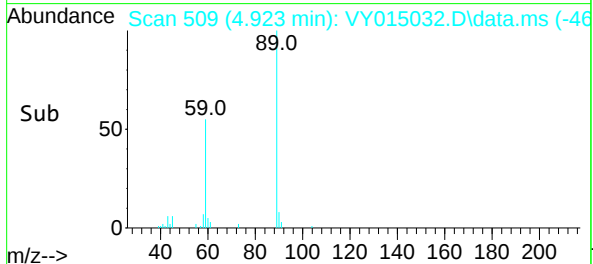
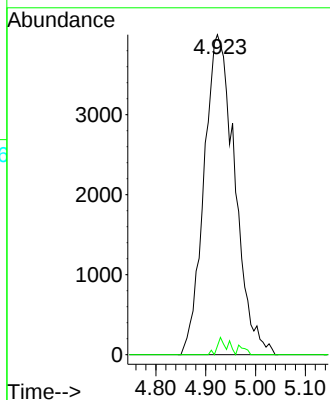


#11
Tert butyl alcohol
Concen: 23.470 ug/l
RT: 4.923 min Scan# 509
Delta R.T. -0.025 min
Lab File: VY015032.D
Acq: 10 Aug 2023 17:02

Instrument :
MSVOA_Y
ClientSampleId :

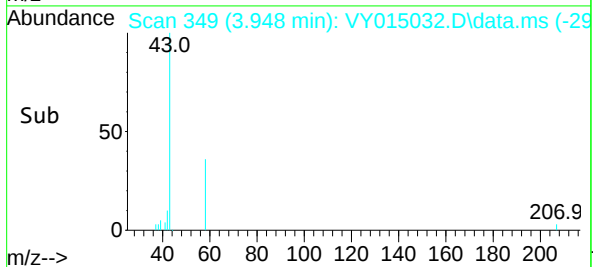
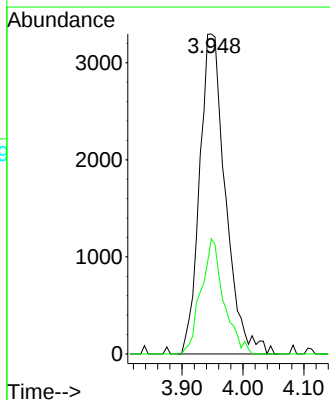
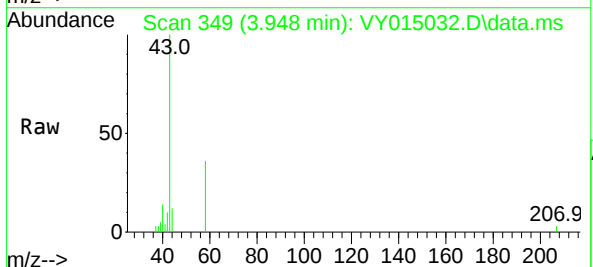


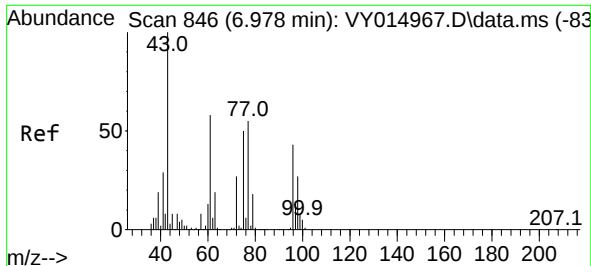
Tgt Ion: 59 Resp: 17117
Ion Ratio Lower Upper
59 100
57 1.8 3.0 4.4#



#16
Acetone
Concen: 10.317 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015032.D
Acq: 10 Aug 2023 17:02

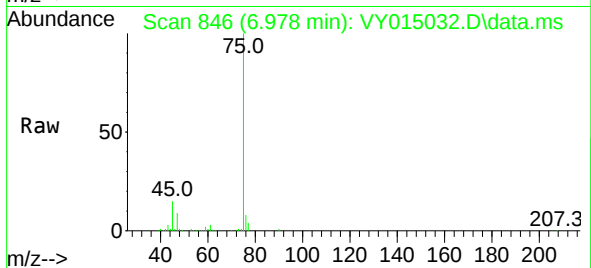
Tgt Ion: 43 Resp: 9722
Ion Ratio Lower Upper
43 100
58 36.0 22.7 34.1#



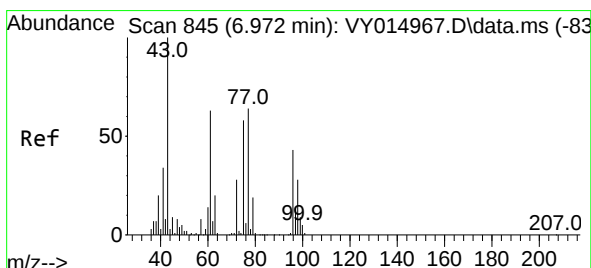
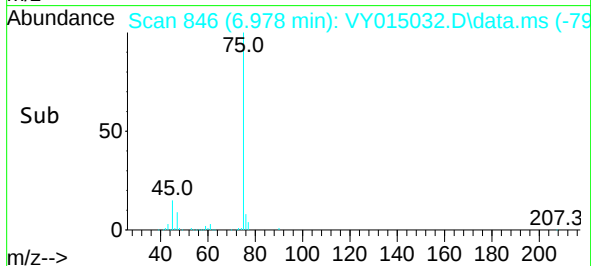
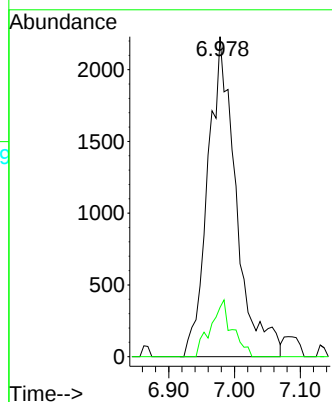


#25
2-Butanone
Concen: 4.948 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY015032.D
Acq: 10 Aug 2023 17:02

Instrument :
MSVOA_Y
ClientSampleId :

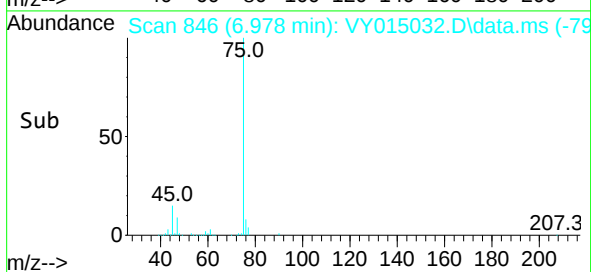
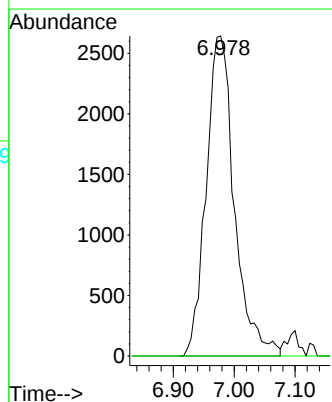
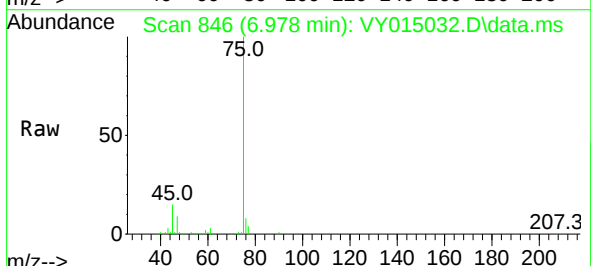


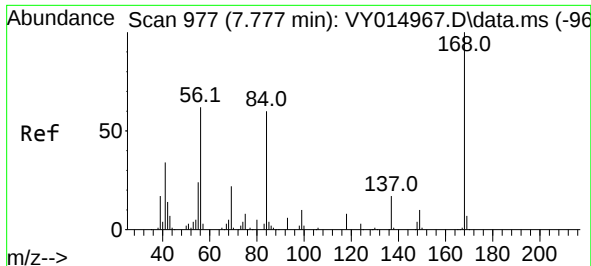
Tgt Ion: 43 Resp: 6678
Ion Ratio Lower Upper
43 100
72 15.4 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 1.938 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY015032.D
Acq: 10 Aug 2023 17:02

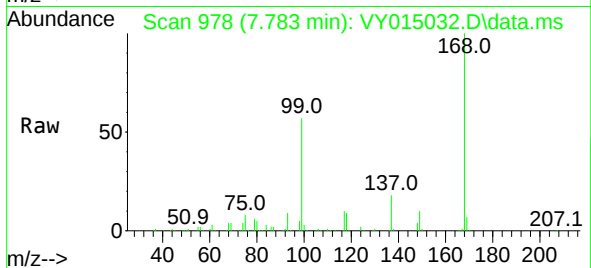
Tgt Ion: 77 Resp: 8502
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



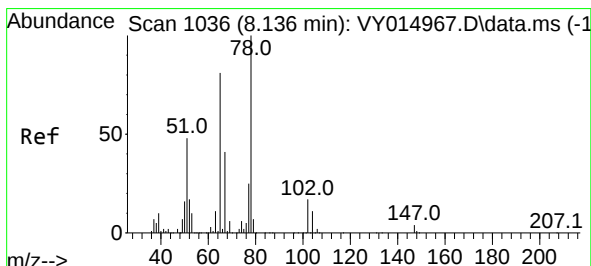
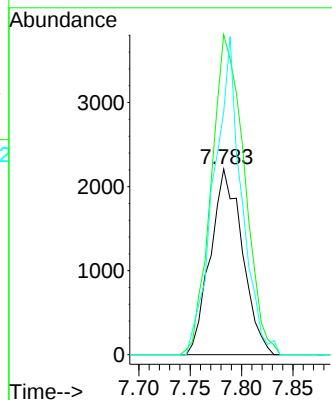
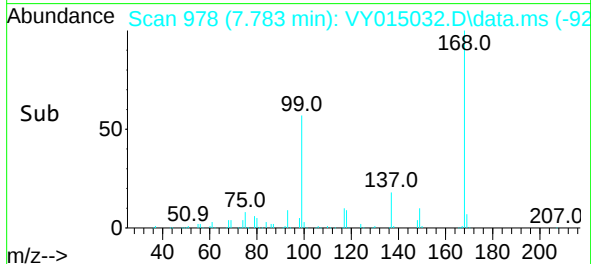


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015032.D
Acq: 10 Aug 2023 17:02

Instrument :
MSVOA_Y
ClientSampleId :

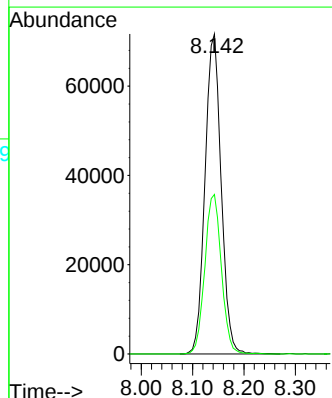
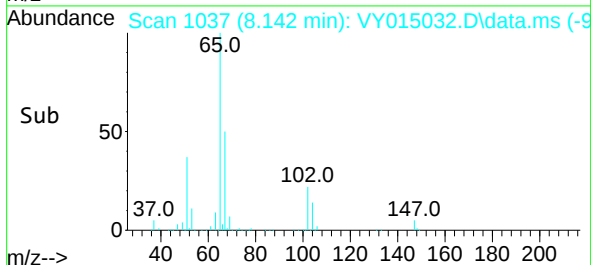
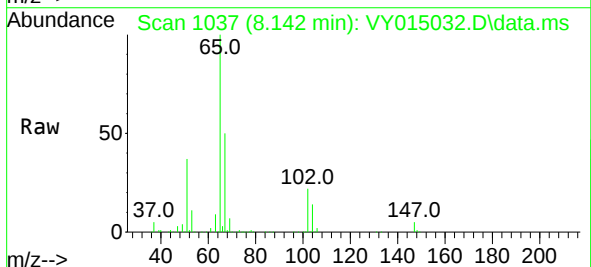


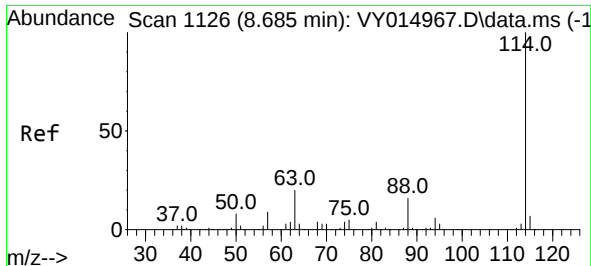
Tgt Ion: 56 Resp: 4775
Ion Ratio Lower Upper
56 100
69 172.5 27.8 41.6#
84 130.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 51.588 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015032.D
Acq: 10 Aug 2023 17:02

Tgt Ion: 65 Resp: 155892
Ion Ratio Lower Upper
65 100
67 51.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY015032.D

Acq: 10 Aug 2023 17:02

Instrument :

MSVOA_Y

ClientSampleId :

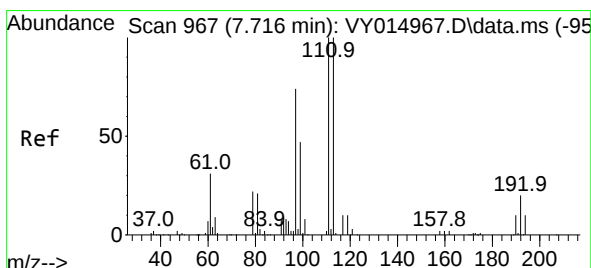
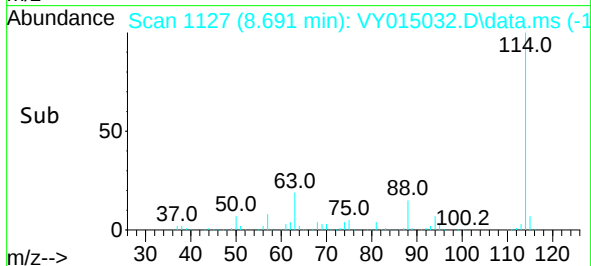
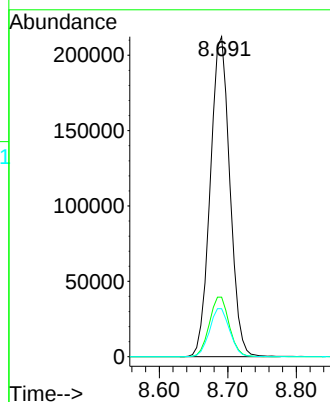
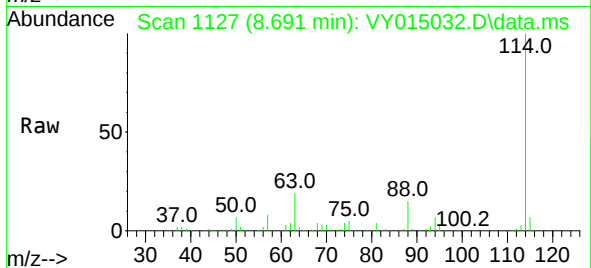
Tgt Ion:114 Resp: 421670

Ion Ratio Lower Upper

114 100

63 18.6 0.0 42.4

88 15.0 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.607 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015032.D

Acq: 10 Aug 2023 17:02

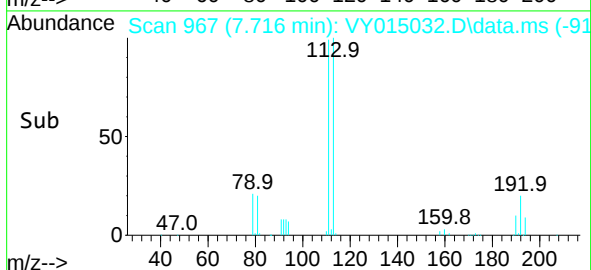
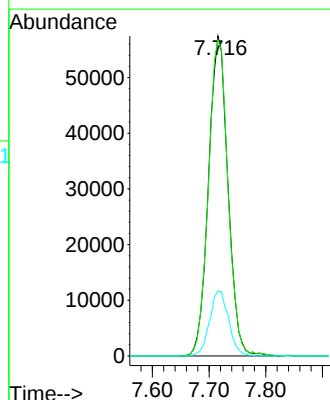
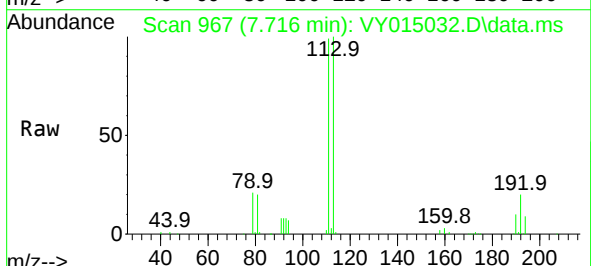
Tgt Ion:113 Resp: 136462

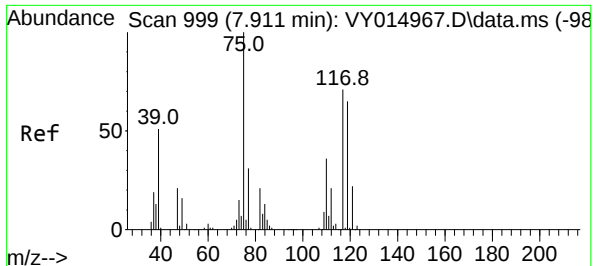
Ion Ratio Lower Upper

113 100

111 100.1 81.3 121.9

192 20.0 16.9 25.3

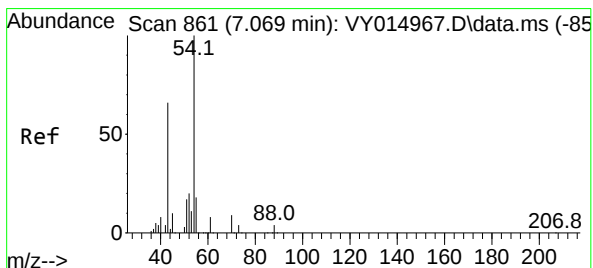
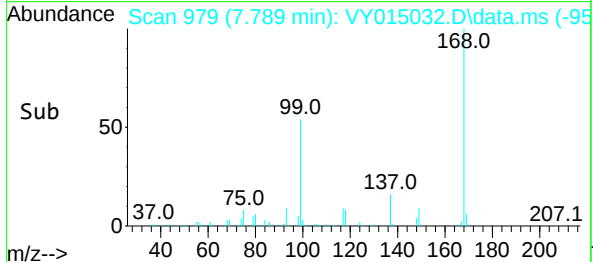
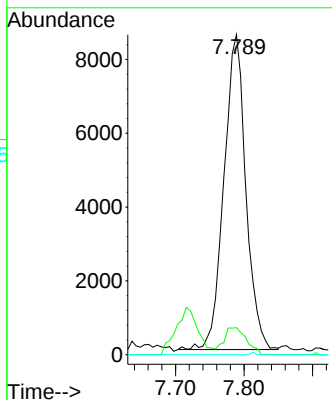
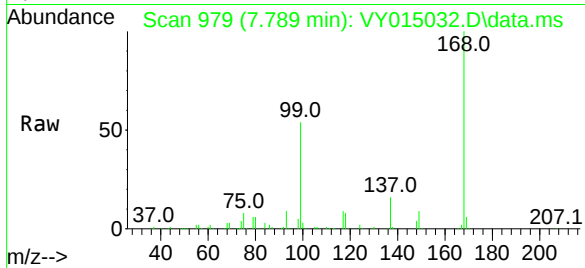




#36
1,1-Dichloropropene
Concen: 5.664 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY015032.D
Acq: 10 Aug 2023 17:02

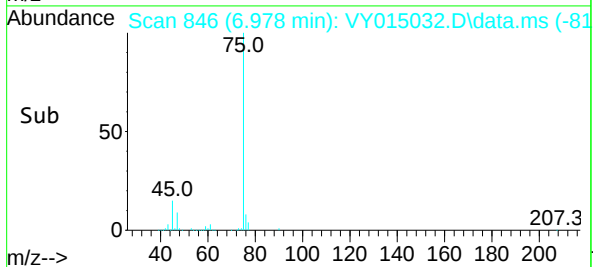
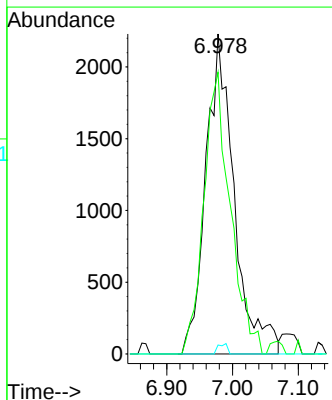
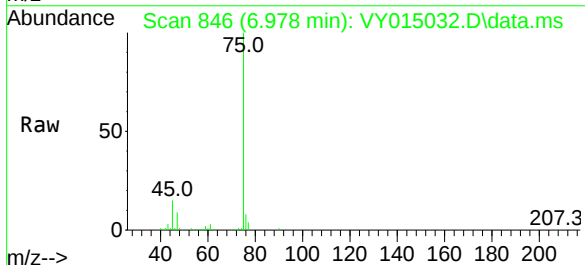
Instrument :
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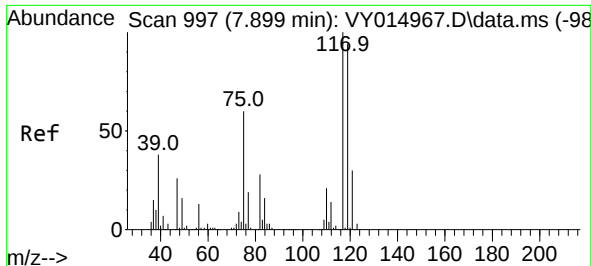
Tgt Ion: 75 Resp: 18963
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.5#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 2.513 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY015032.D
Acq: 10 Aug 2023 17:02

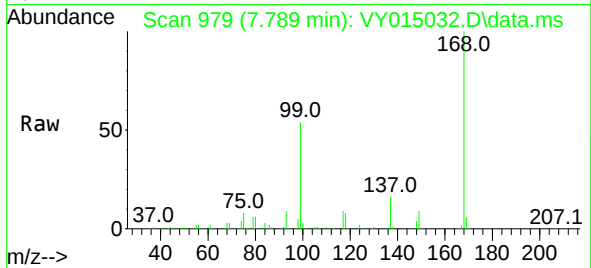
Tgt Ion: 43 Resp: 6678
Ion Ratio Lower Upper
43 100
61 82.5 10.1 15.1#
70 1.0 7.1 10.7#



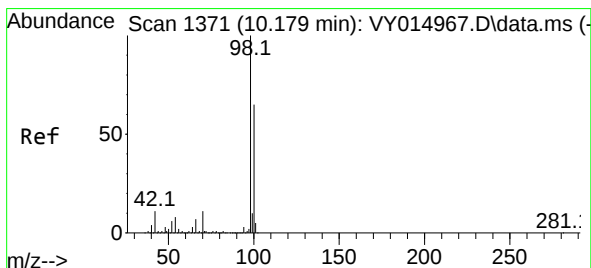
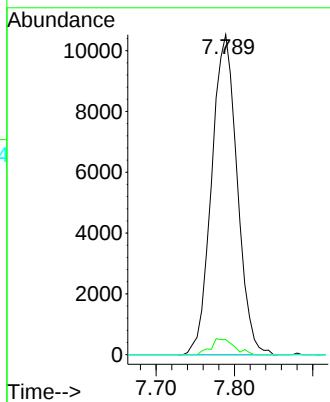
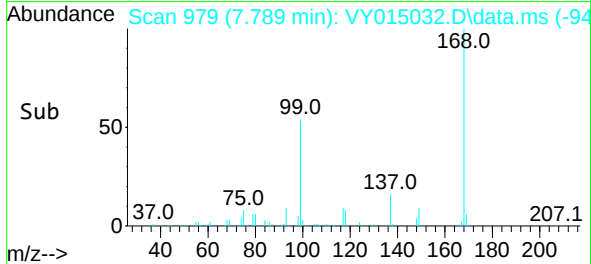


#38
Carbon Tetrachloride
Concen: 6.338 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY015032.D
Acq: 10 Aug 2023 17:02

Instrument :
MSVOA_Y
ClientSampleId :

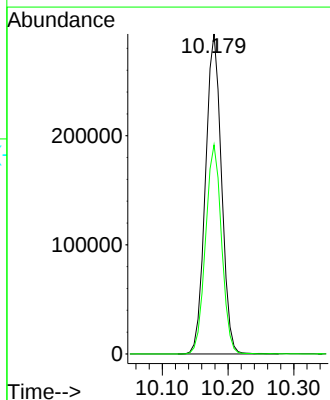
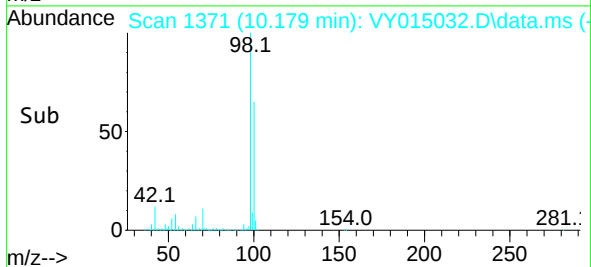
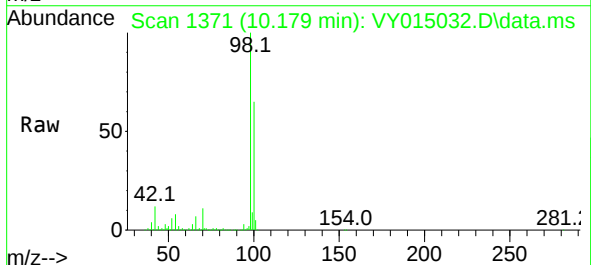


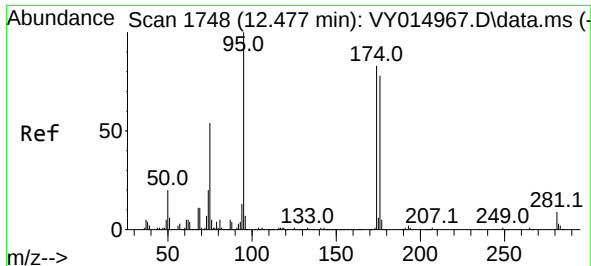
Tgt Ion:117 Resp: 23852
Ion Ratio Lower Upper
117 100
119 4.7 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.439 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY015032.D
Acq: 10 Aug 2023 17:02

Tgt Ion: 98 Resp: 497152
Ion Ratio Lower Upper
98 100
100 65.2 50.1 75.1

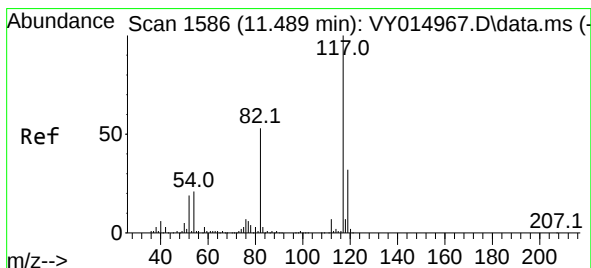
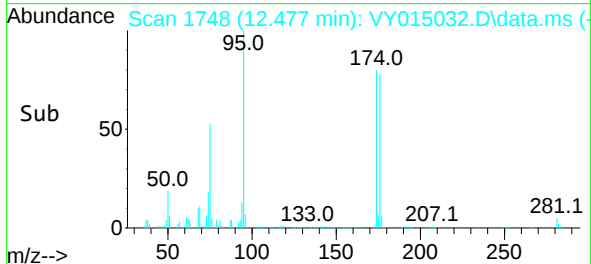
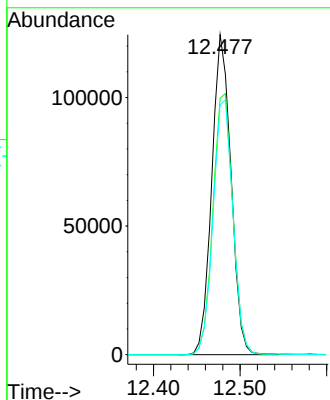
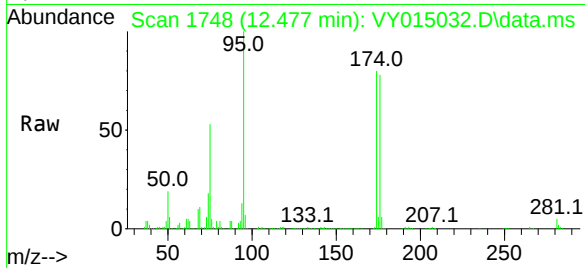




#62
4-Bromofluorobenzene
Concen: 52.712 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015032.D
Acq: 10 Aug 2023 17:02

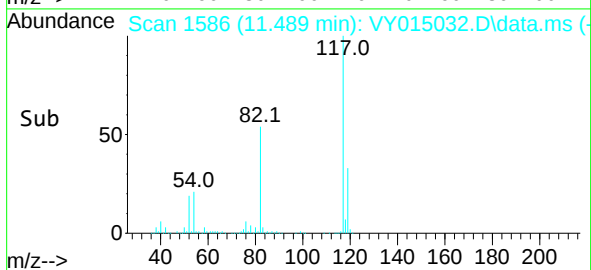
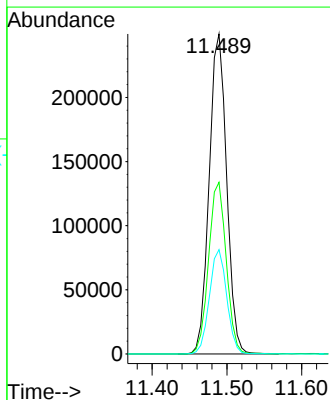
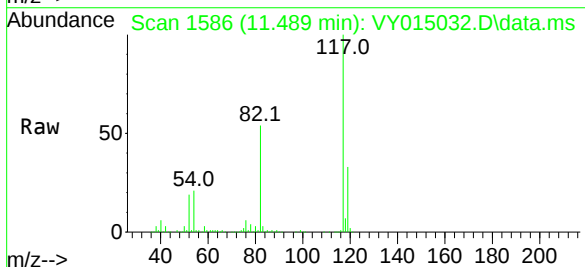
Instrument :
MSVOA_Y
ClientSampleId :

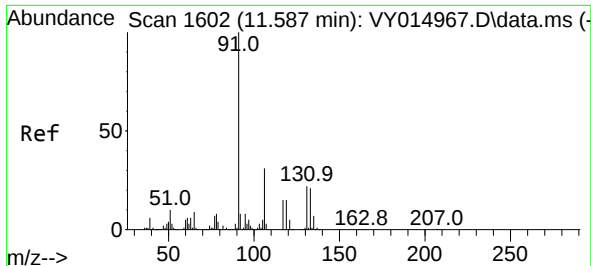
Tgt Ion: 95 Resp: 191745
Ion Ratio Lower Upper
95 100
174 84.7 0.0 178.2
176 82.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY015032.D
Acq: 10 Aug 2023 17:02

Tgt Ion: 117 Resp: 405068
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.0
119 32.6 26.3 39.5

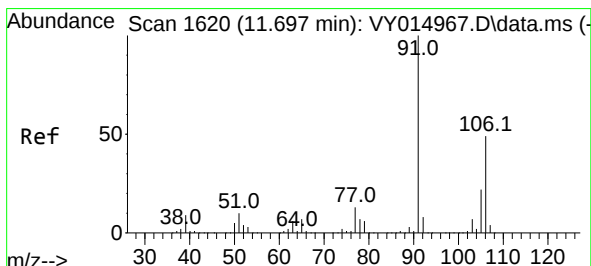
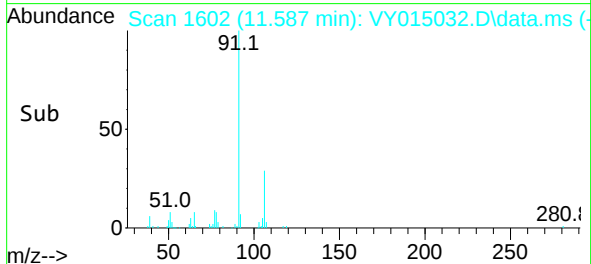
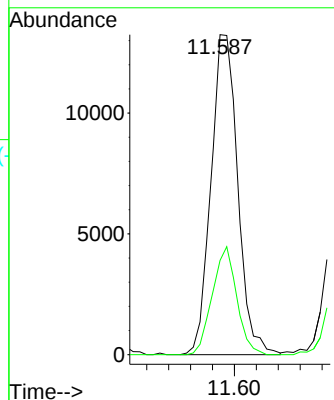
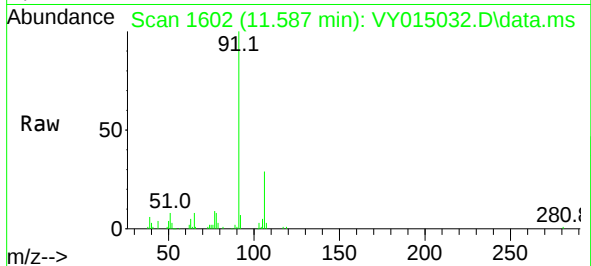




#67
Ethyl Benzene
Concen: 1.667 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VY015032.D
Acq: 10 Aug 2023 17:02

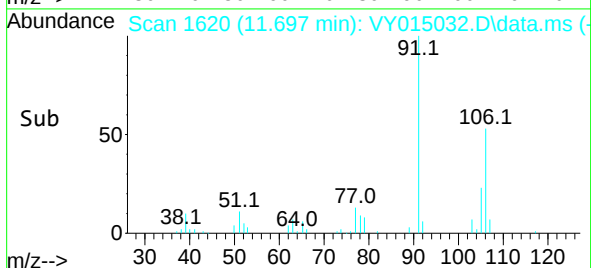
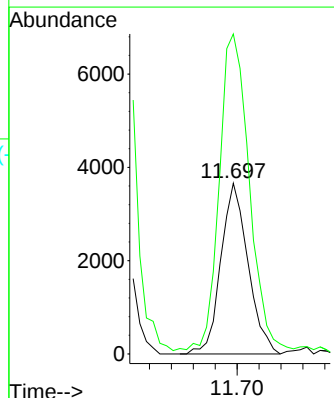
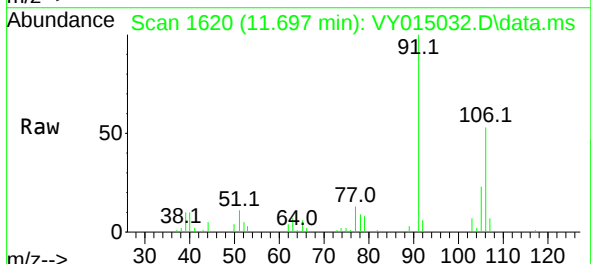
Instrument :
MSVOA_Y
ClientSampleId :

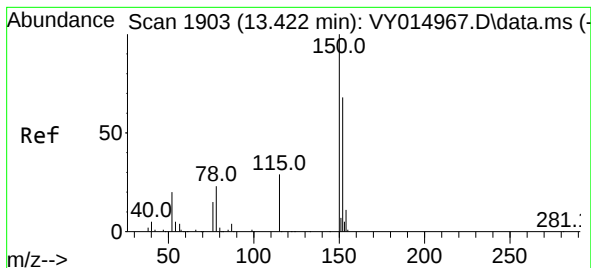
Tgt Ion: 91 Resp: 22488
Ion Ratio Lower Upper
91 100
106 29.5 24.6 36.8



#68
m/p-Xylenes
Concen: 1.222 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY015032.D
Acq: 10 Aug 2023 17:02

Tgt Ion: 106 Resp: 6304
Ion Ratio Lower Upper
106 100
91 201.6 166.1 249.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

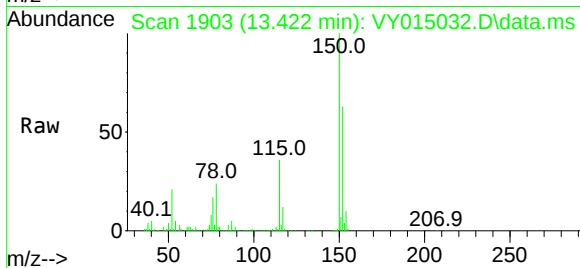
Lab File: VY015032.D

Acq: 10 Aug 2023 17:02

Instrument :

MSVOA_Y

ClientSampleId :



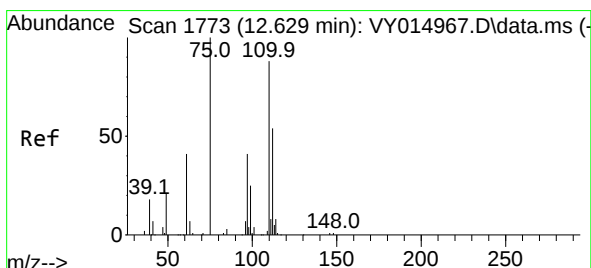
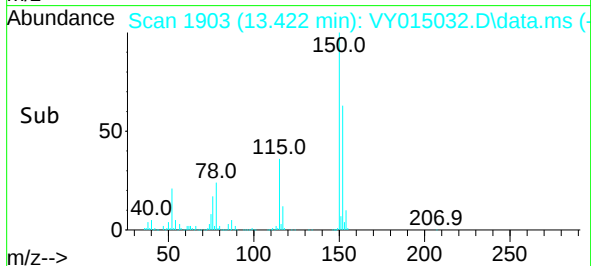
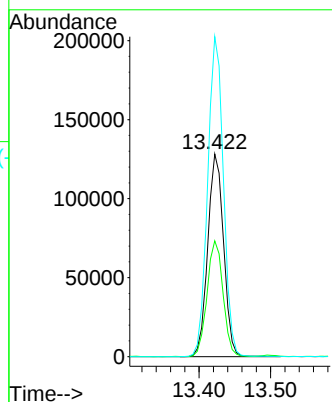
Tgt Ion:152 Resp: 197415

Ion Ratio Lower Upper

152 100

115 57.4 28.8 86.5

150 157.2 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 42.827 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015032.D

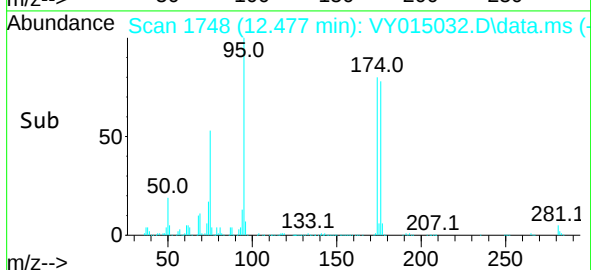
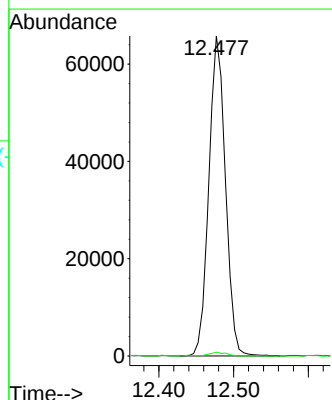
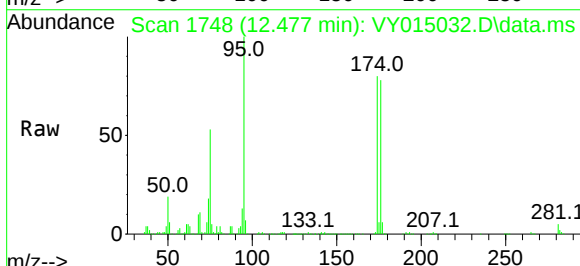
Acq: 10 Aug 2023 17:02

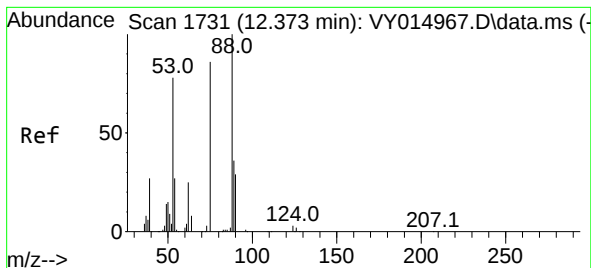
Tgt Ion: 75 Resp: 101308

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#

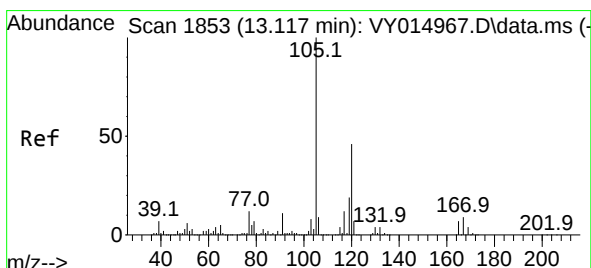
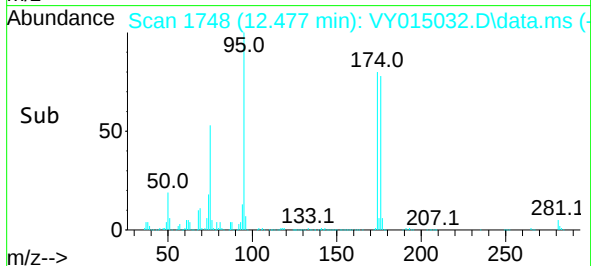
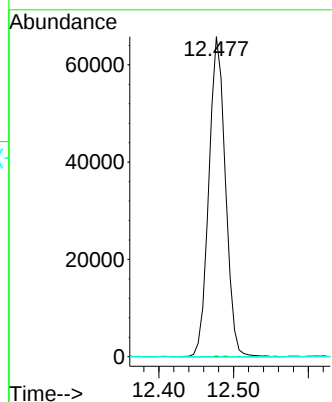
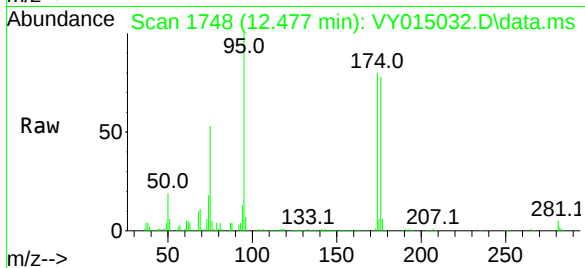




#81
trans-1,4-Dichloro-2-butene
Concen: 94.350 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015032.D
Acq: 10 Aug 2023 17:02

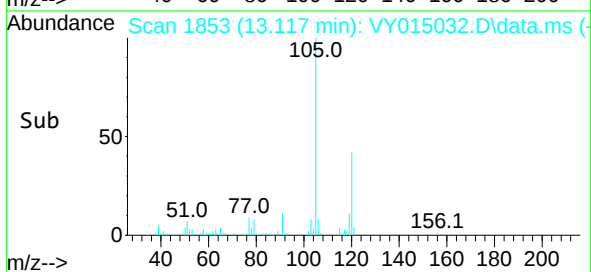
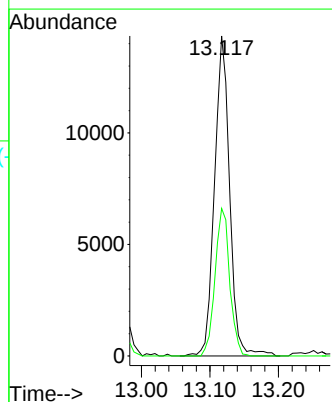
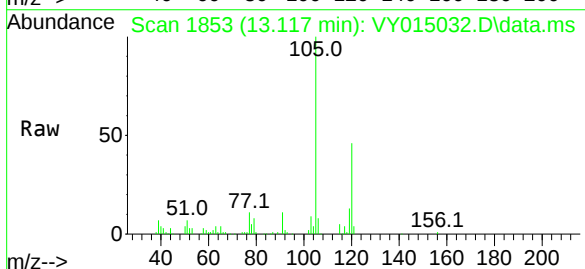
Instrument :
MSVOA_Y
ClientSampleId :

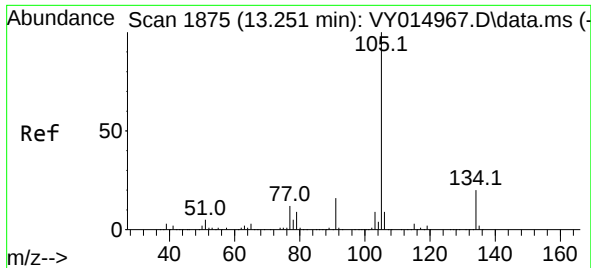
Tgt Ion: 75 Resp: 101308
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#



#84
1,2,4-Trimethylbenzene
Concen: 2.001 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY015032.D
Acq: 10 Aug 2023 17:02

Tgt Ion:105 Resp: 21919
Ion Ratio Lower Upper
105 100
120 44.7 22.2 66.6

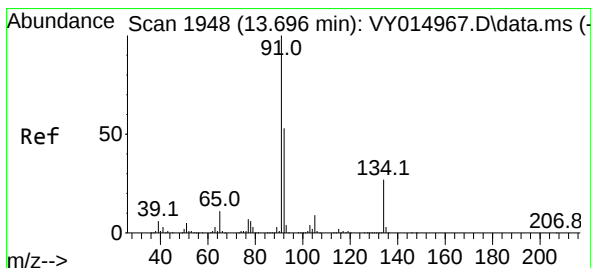
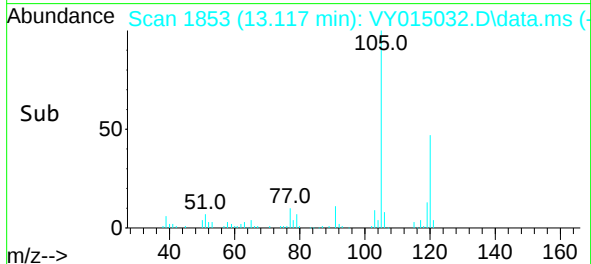
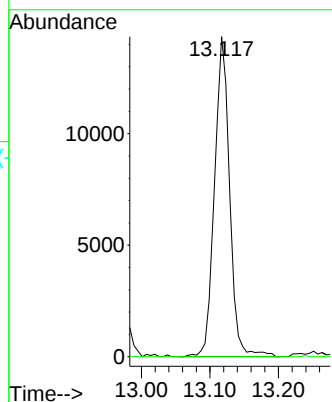
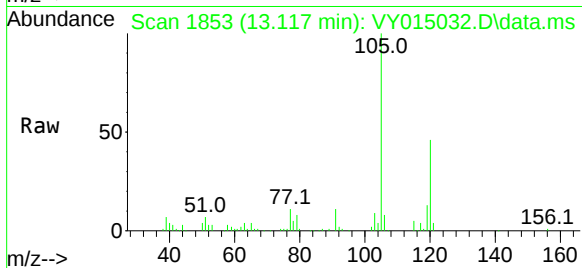




#85
 sec-Butylbenzene
 Concen: 1.493 ug/l
 RT: 13.117 min Scan# 1853
 Delta R.T. -0.134 min
 Lab File: VY015032.D
 Acq: 10 Aug 2023 17:02

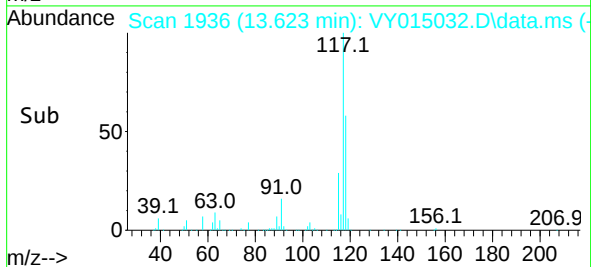
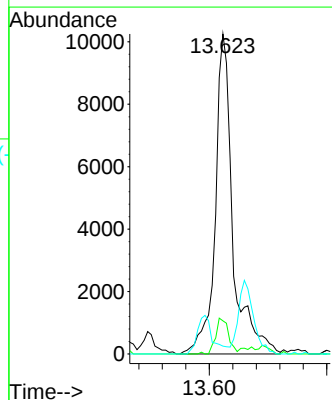
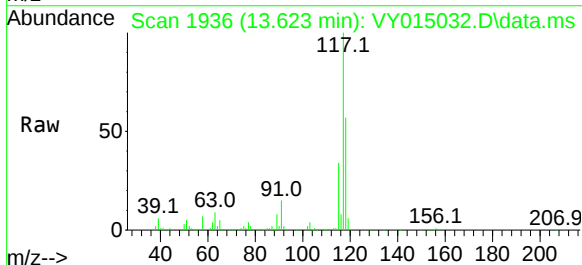
Instrument :
 MSVOA_Y
 ClientSampleId :

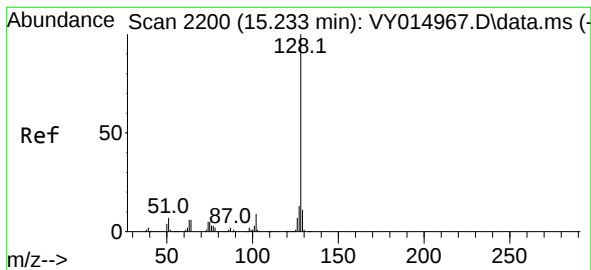
Tgt Ion:105 Resp: 21919
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.6#



#89
 n-Butylbenzene
 Concen: 1.867 ug/l
 RT: 13.623 min Scan# 1936
 Delta R.T. -0.073 min
 Lab File: VY015032.D
 Acq: 10 Aug 2023 17:02

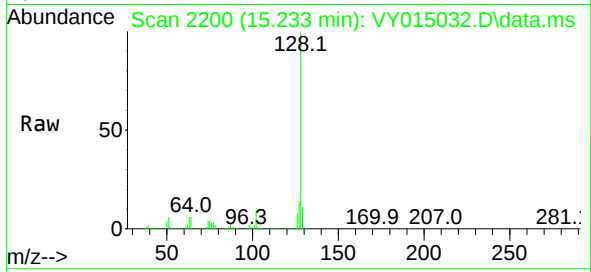
Tgt Ion: 91 Resp: 21319
 Ion Ratio Lower Upper
 91 100
 92 8.2 25.4 76.0#
 134 0.0 12.6 37.6#





#95
Naphthalene
Concen: 38.810 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY015032.D
Acq: 10 Aug 2023 17:02

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	339798
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.8	16.2
129	10.9	8.6	13.0

