

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081023\
 Data File : VY015041.D
 Acq On : 10 Aug 2023 20:34
 Operator : SY/MD
 Sample : 03955-13
 Misc : 3.82g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 11 01:58:35 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)

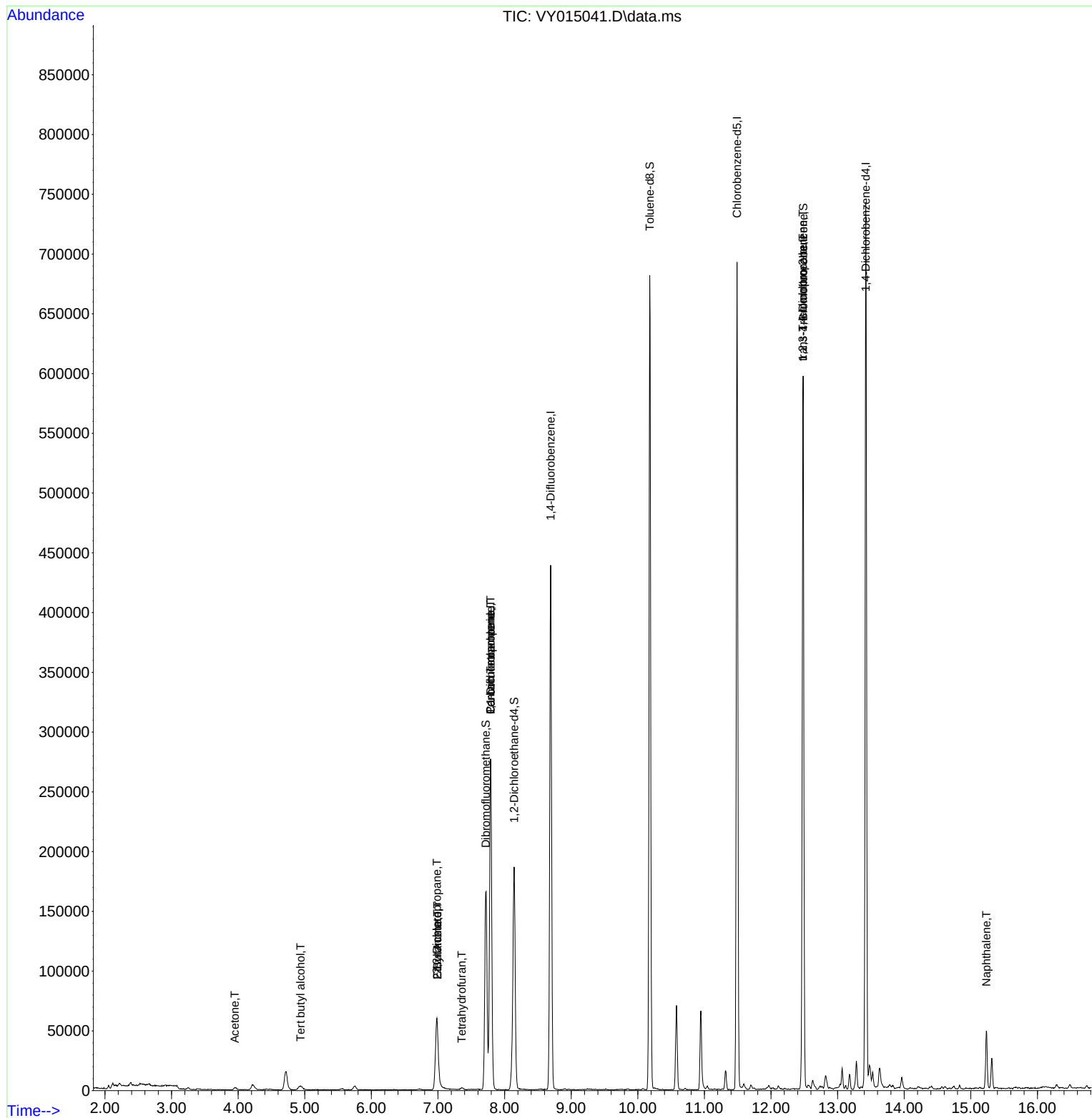
Internal Standards						
1) Pentafluorobenzene	7.789	168	219970	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	374147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	368591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	189448	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	137446	51.553	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 103.100%			
35) Dibromofluoromethane	7.716	113	118314	49.450	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.900%			
50) Toluene-d8	10.179	98	440118	48.329	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.660%			
62) 4-Bromofluorobenzene	12.483	95	174610	54.099	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.200%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	63	Below Cal	#	43
5) Bromomethane	2.637	94	194	Below Cal	#	58
11) Tert butyl alcohol	4.936	59	2703	4.201	ug/l #	89
16) Acetone	3.948	43	3510	4.222	ug/l #	83
20) Methylene Chloride	4.710	84	12235	Below Cal	#	82
25) 2-Butanone	6.990	43	5453	4.579	ug/l #	83
26) 2,2-Dichloropropane	6.984	77	4496	1.162	ug/l #	54
29) Tetrahydrofuran	7.356	42	1142	1.635	ug/l #	91
31) Cyclohexane	7.789	56	4764	Below Cal	#	14
36) 1,1-Dichloropropene	7.789	75	16636	5.601	ug/l #	50
37) Ethyl Acetate	6.990	43	5453	2.313	ug/l #	32
38) Carbon Tetrachloride	7.789	117	21908	6.561	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	91711	40.401	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	91711	89.004	ug/l #	11
95) Naphthalene	15.233	128	41070	4.888	ug/l	98

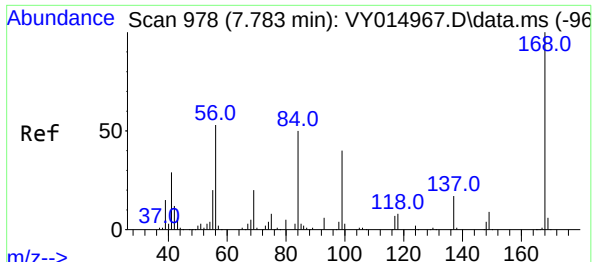
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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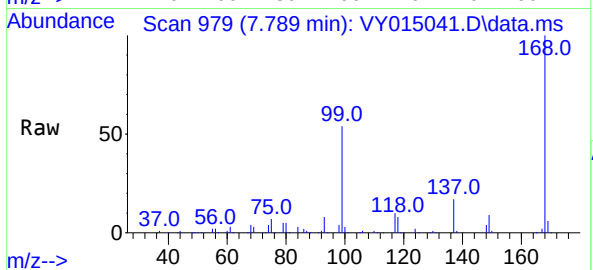
Quant Time: Aug 11 01:58:35 2023
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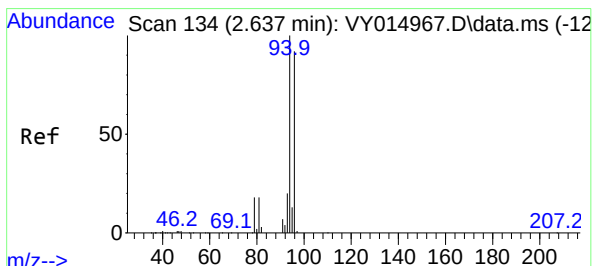
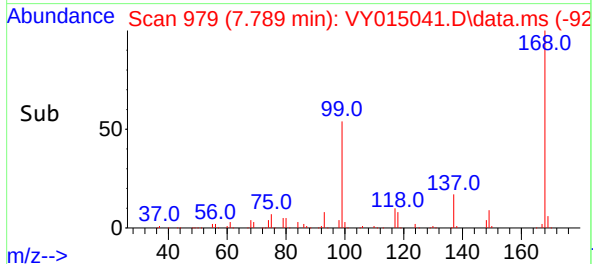
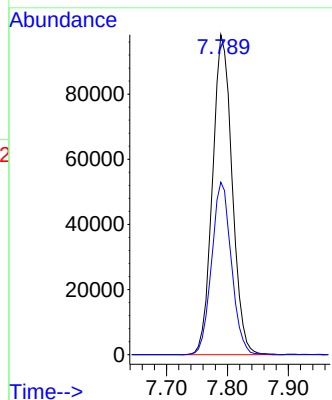


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015041.D
Acq: 10 Aug 2023 20:34

Instrument :
MSVOA_Y
ClientSampleId :

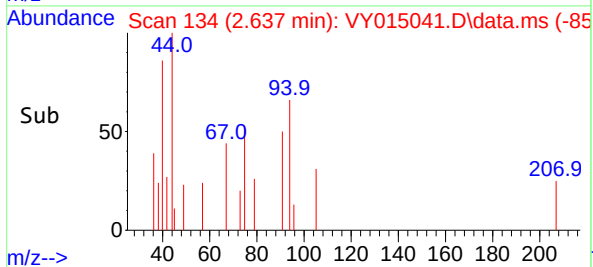
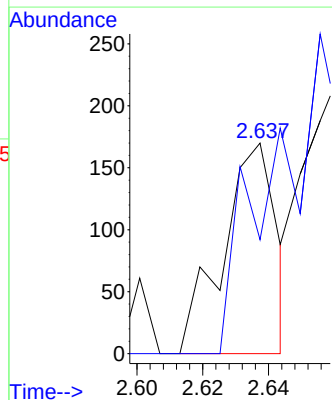
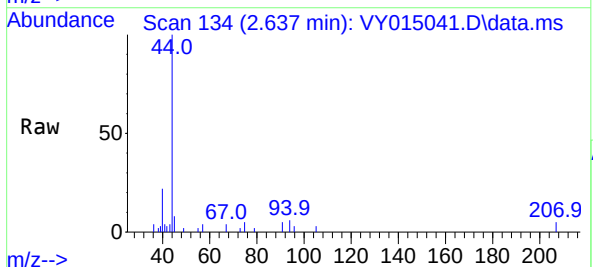


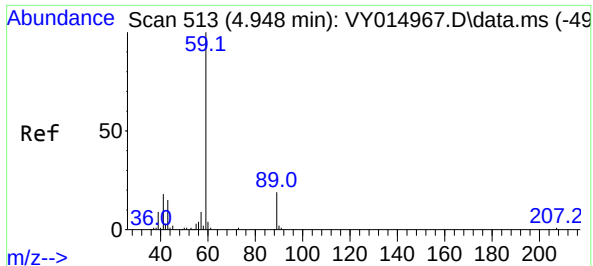
Tgt Ion:168 Resp: 219970
Ion Ratio Lower Upper
168 100
99 53.9 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.637 min Scan# 134
Delta R.T. 0.000 min
Lab File: VY015041.D
Acq: 10 Aug 2023 20:34

Tgt Ion: 94 Resp: 194
Ion Ratio Lower Upper
94 100
96 54.1 75.8 113.6#





#11

Tert butyl alcohol

Concen: 4.201 ug/l

RT: 4.936 min Scan# 511

Delta R.T. -0.012 min

Lab File: VY015041.D

Acq: 10 Aug 2023 20:34

Instrument :

MSVOA_Y

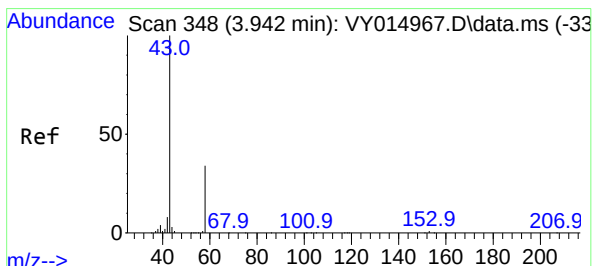
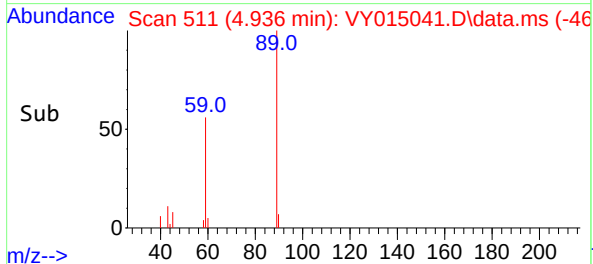
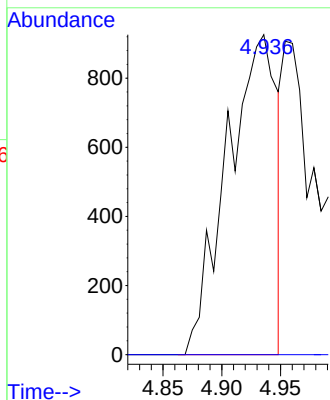
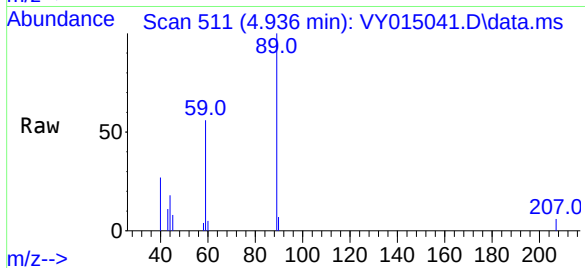
ClientSampleId :

Tgt Ion: 59 Resp: 2703

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.4#



#16

Acetone

Concen: 4.222 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY015041.D

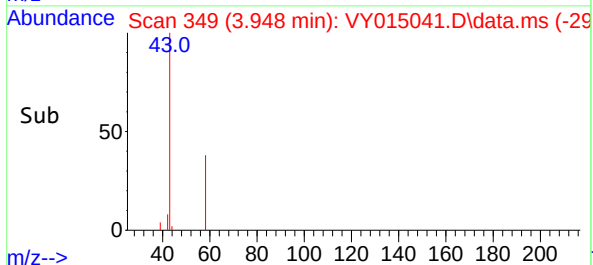
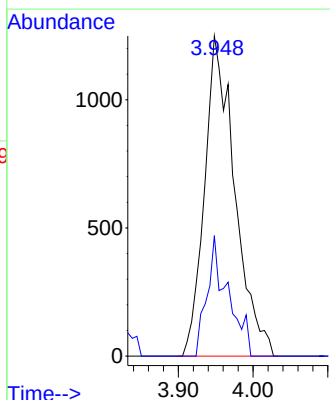
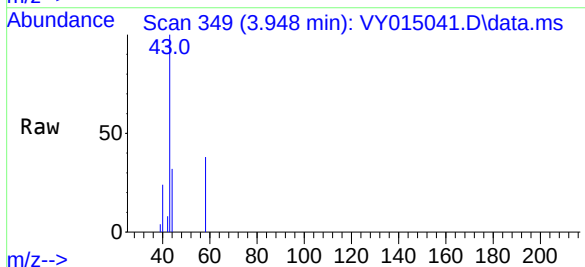
Acq: 10 Aug 2023 20:34

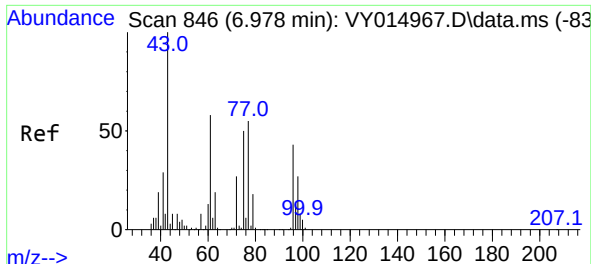
Tgt Ion: 43 Resp: 3510

Ion Ratio Lower Upper

43 100

58 37.6 22.7 34.1#





#25

2-Butanone

Concen: 4.579 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.012 min

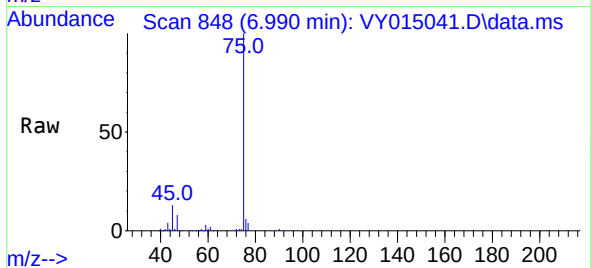
Lab File: VY015041.D

Acq: 10 Aug 2023 20:34

Instrument :

MSVOA_Y

ClientSampleId :

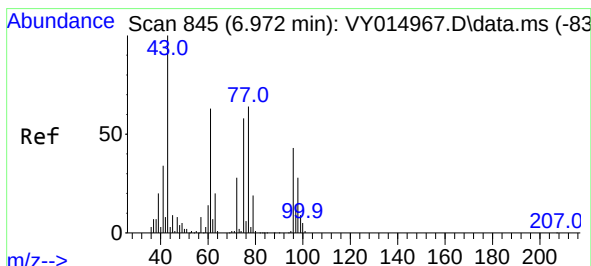
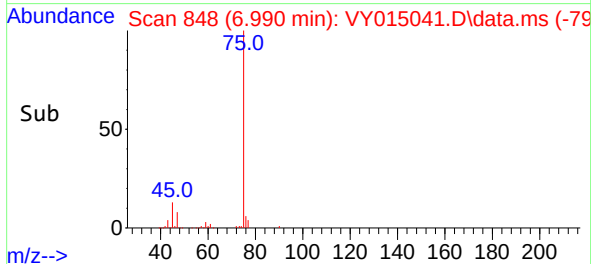
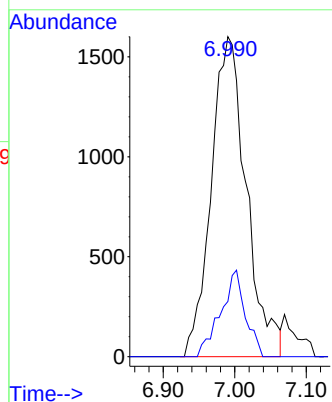


Tgt Ion: 43 Resp: 5453

Ion Ratio Lower Upper

43 100

72 17.2 20.5 30.7#



#26

2,2-Dichloropropane

Concen: 1.162 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY015041.D

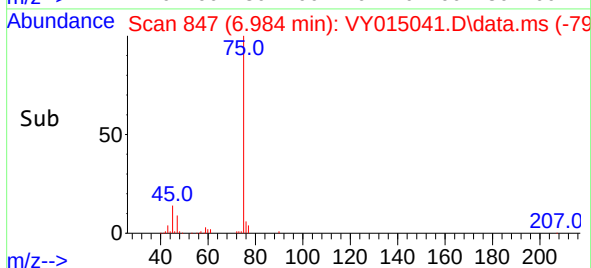
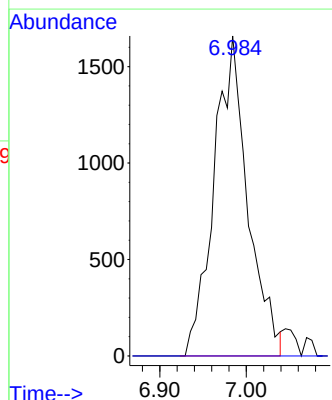
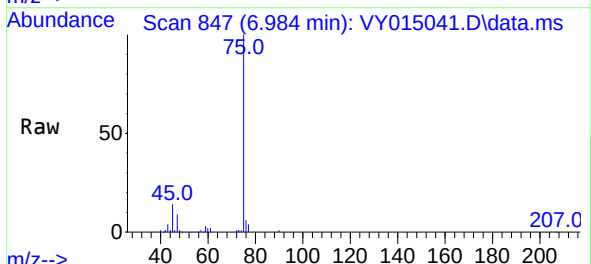
Acq: 10 Aug 2023 20:34

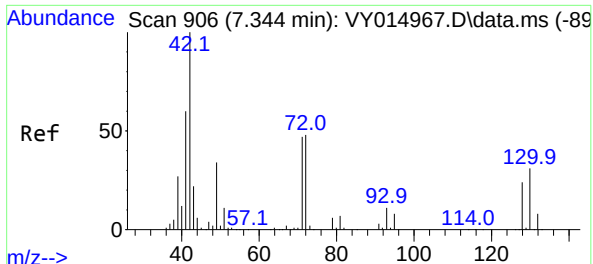
Tgt Ion: 77 Resp: 4496

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#

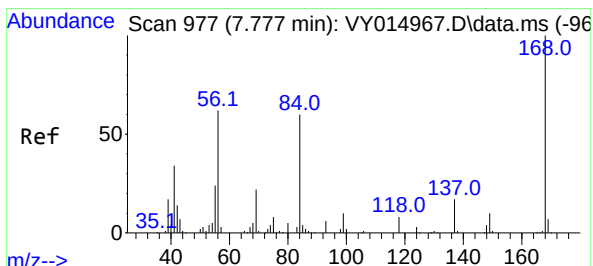
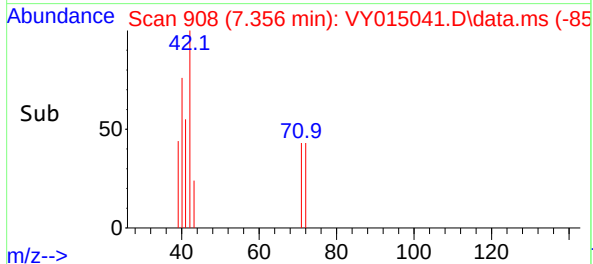
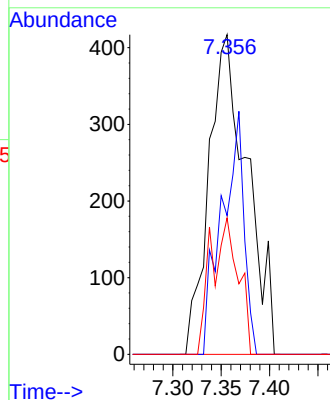
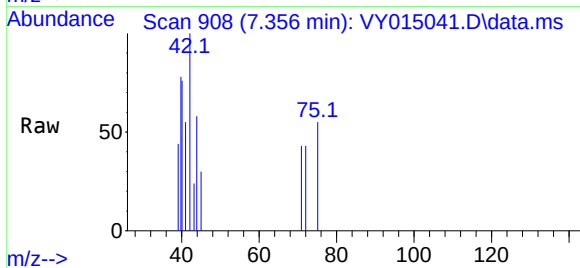




#29
Tetrahydrofuran
Concen: 1.635 ug/l
RT: 7.356 min Scan# 906
Delta R.T. 0.012 min
Lab File: VY015041.D
Acq: 10 Aug 2023 20:34

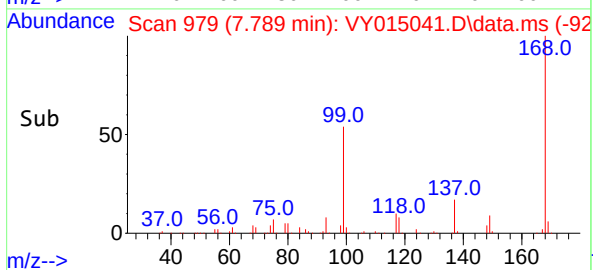
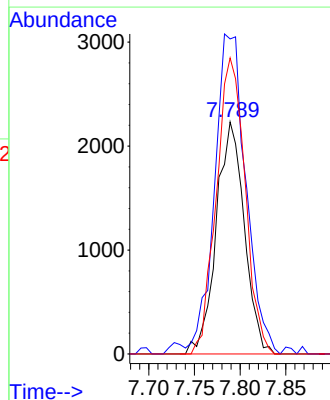
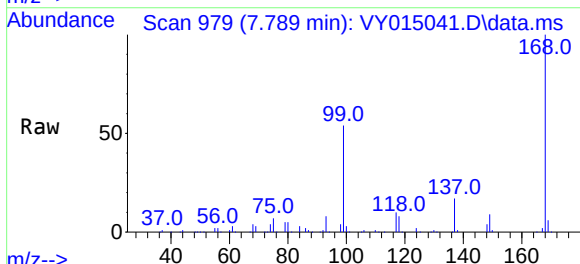
Instrument :
MSVOA_Y
ClientSampleId :

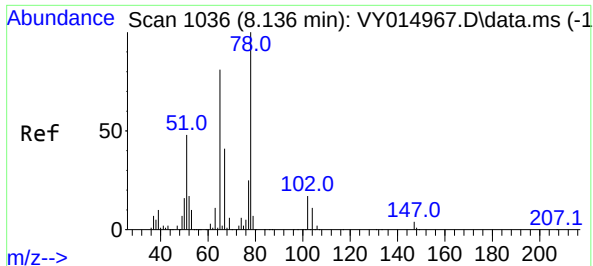
Tgt Ion:	42	Resp:	1142
Ion	Ratio	Lower	Upper
42	100		
72	44.4	32.8	49.2
71	30.7	31.0	46.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY015041.D
Acq: 10 Aug 2023 20:34

Tgt Ion:	56	Resp:	4764
Ion	Ratio	Lower	Upper
56	100		
69	135.8	27.8	41.6#
84	127.6	66.4	99.6#





#33

1,2-Dichloroethane-d4

Concen: 51.553 ug/l

RT: 8.143 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015041.D

Acq: 10 Aug 2023 20:34

Instrument :

MSVOA_Y

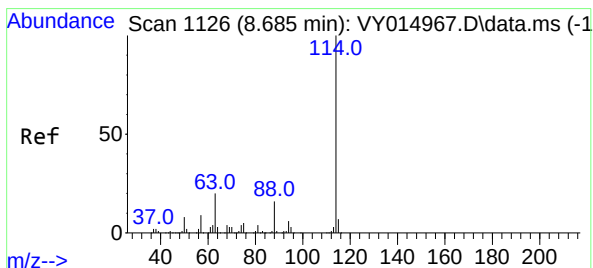
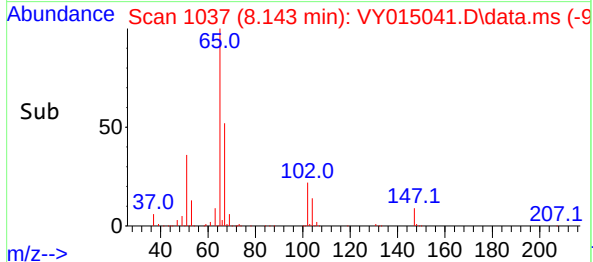
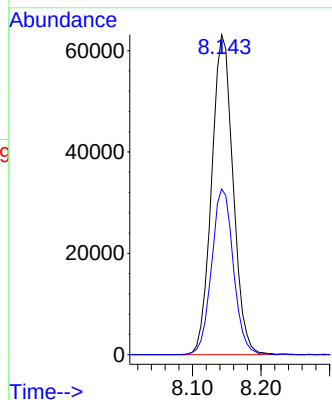
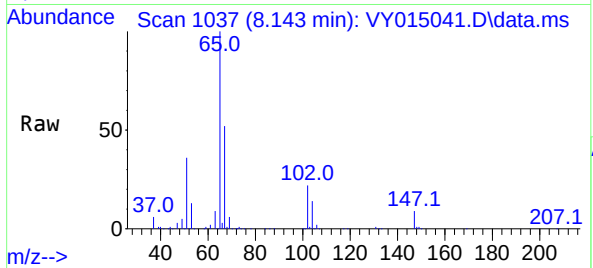
ClientSampleId :

Tgt Ion: 65 Resp: 137446

Ion Ratio Lower Upper

65 100

67 52.5 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: VY015041.D

Acq: 10 Aug 2023 20:34

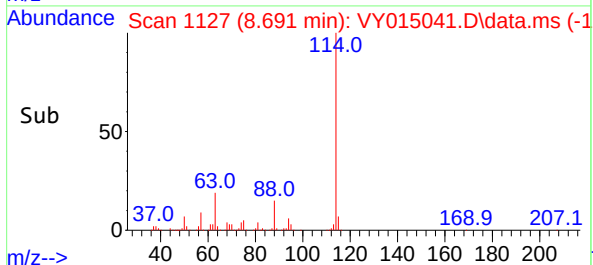
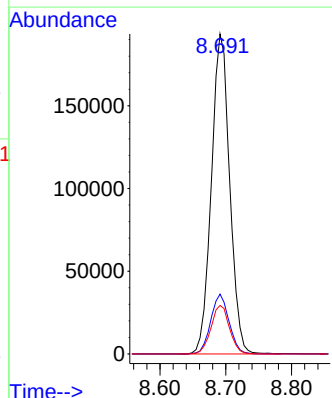
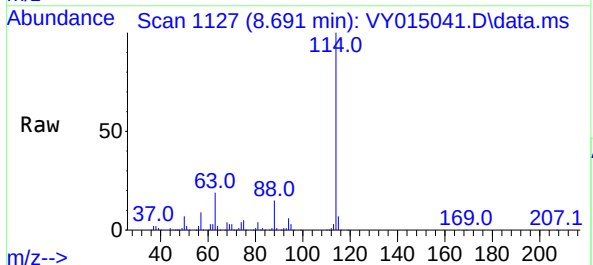
Tgt Ion:114 Resp: 374147

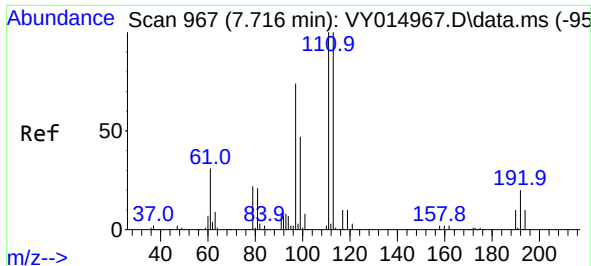
Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

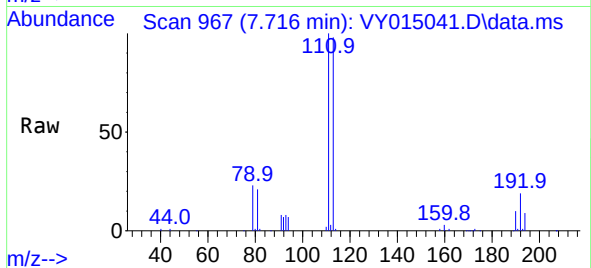
88 15.2 0.0 30.6



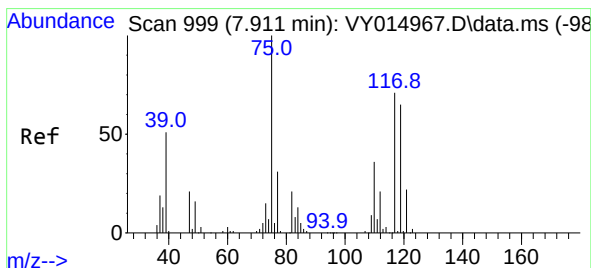
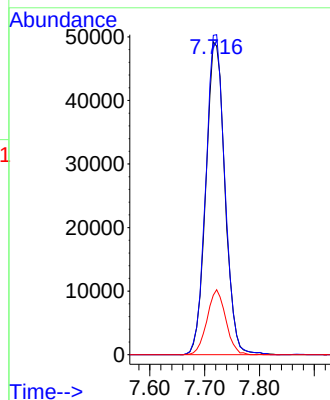
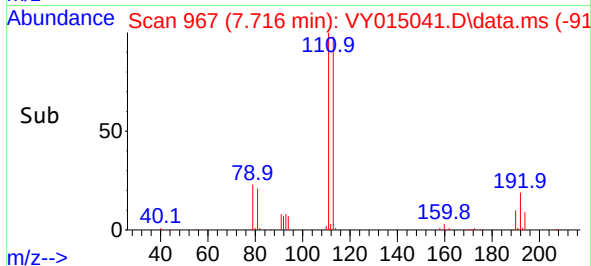


#35
Dibromofluoromethane
Concen: 49.450 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.000 min
Lab File: VY015041.D
Acq: 10 Aug 2023 20:34

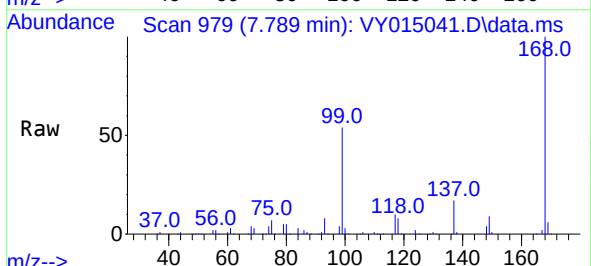
Instrument :
MSVOA_Y
ClientSampleId :



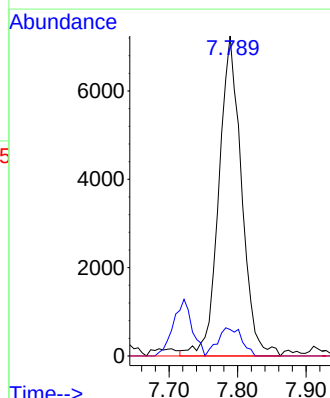
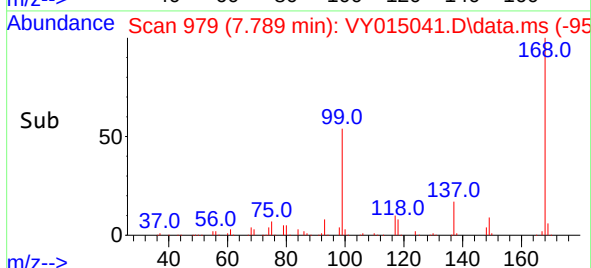
Tgt Ion:113 Resp: 118314
Ion Ratio Lower Upper
113 100
111 102.3 81.3 121.9
192 20.4 16.9 25.3

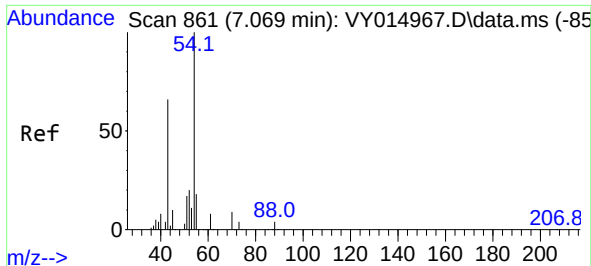


#36
1,1-Dichloropropene
Concen: 5.601 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY015041.D
Acq: 10 Aug 2023 20:34



Tgt Ion: 75 Resp: 16636
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.313 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.079 min

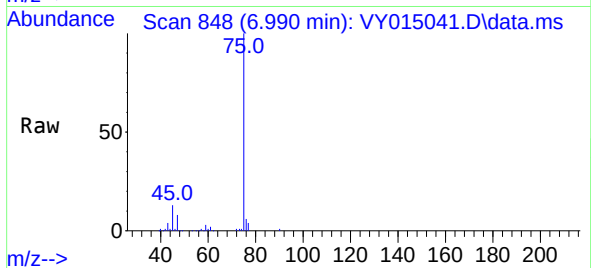
Lab File: VY015041.D

Acq: 10 Aug 2023 20:34

Instrument :

MSVOA_Y

ClientSampleId :



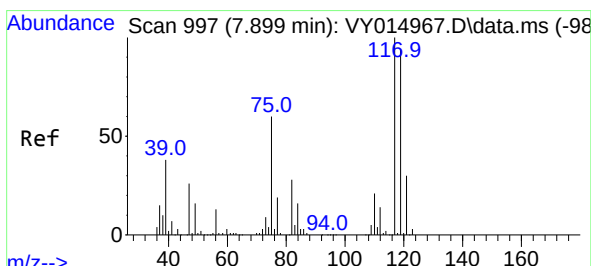
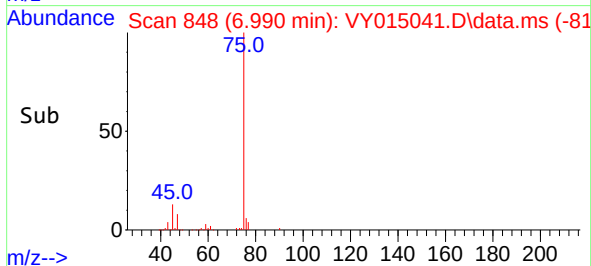
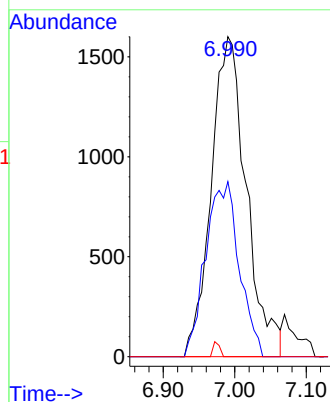
Tgt Ion: 43 Resp: 5453

Ion Ratio Lower Upper

43 100

61 52.2 10.1 15.1#

70 0.9 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.561 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY015041.D

Acq: 10 Aug 2023 20:34

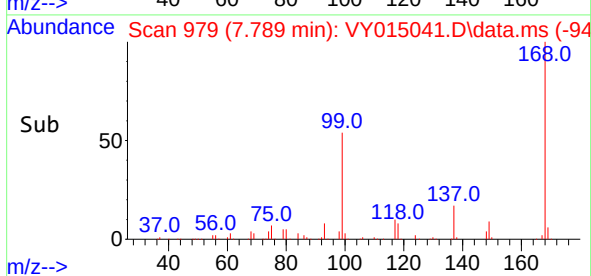
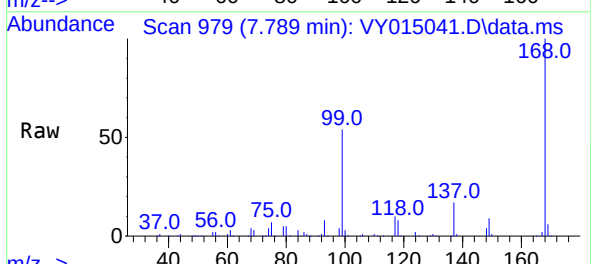
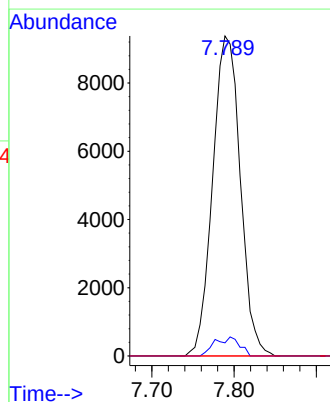
Tgt Ion: 117 Resp: 21908

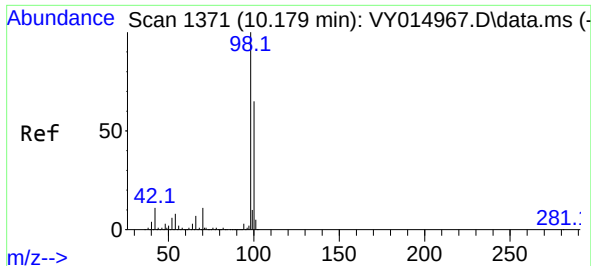
Ion Ratio Lower Upper

117 100

119 4.1 76.4 114.6#

121 0.0 25.8 38.6#

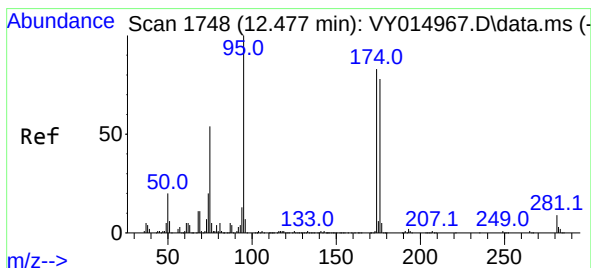
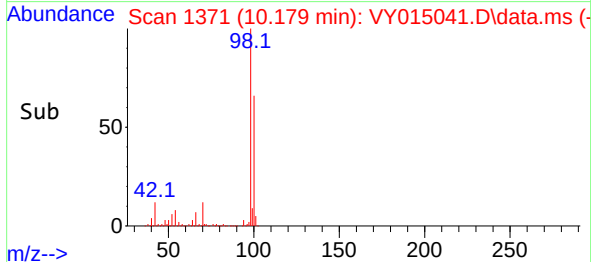
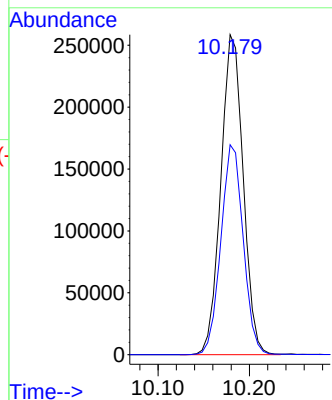
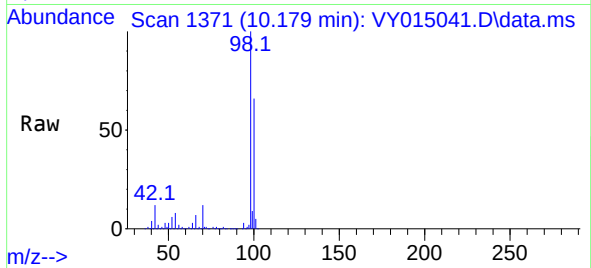




#50
Toluene-d8
Concen: 48.329 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015041.D
Acq: 10 Aug 2023 20:34

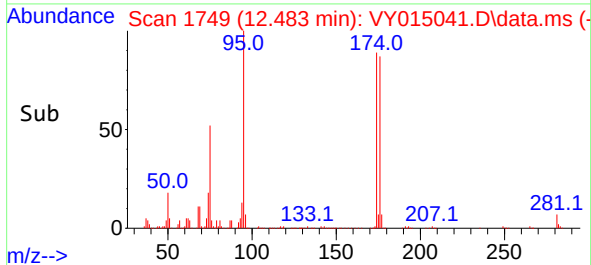
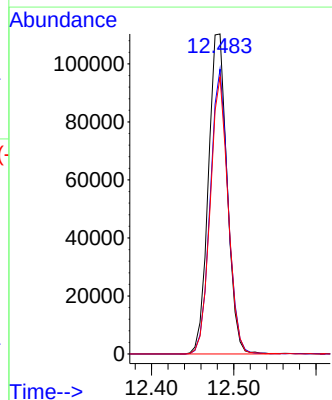
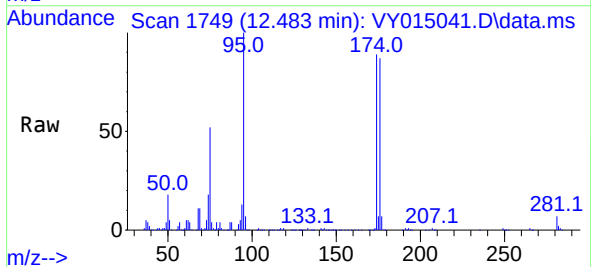
Instrument :
MSVOA_Y
ClientSampleId :

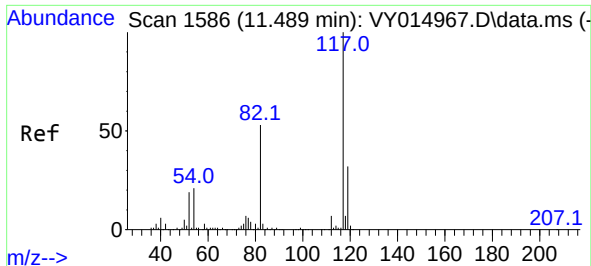
Tgt Ion: 98 Resp: 440118
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 54.099 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015041.D
Acq: 10 Aug 2023 20:34

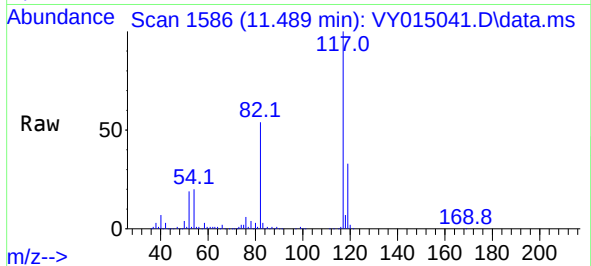
Tgt Ion: 95 Resp: 174610
Ion Ratio Lower Upper
95 100
174 84.8 0.0 178.2
176 82.6 0.0 173.8



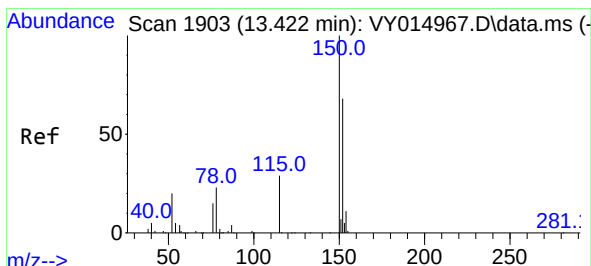
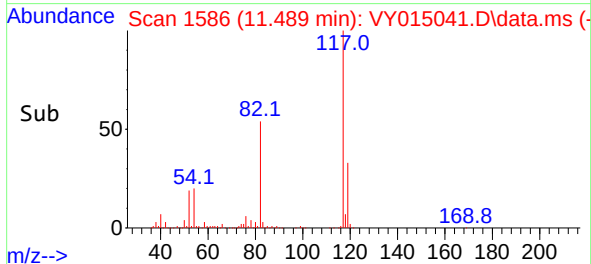
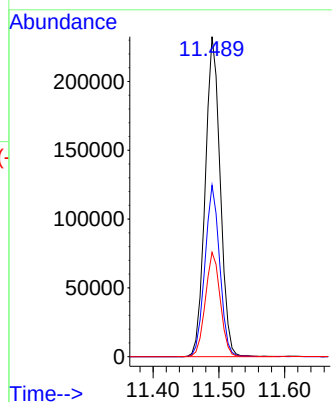


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015041.D
Acq: 10 Aug 2023 20:34

Instrument :
MSVOA_Y
ClientSampleId :

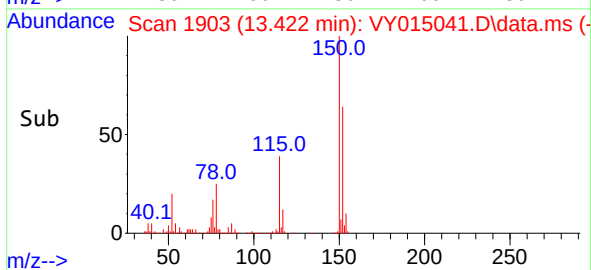
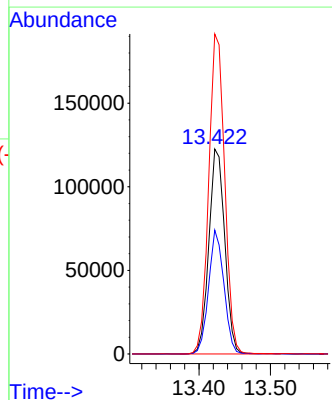
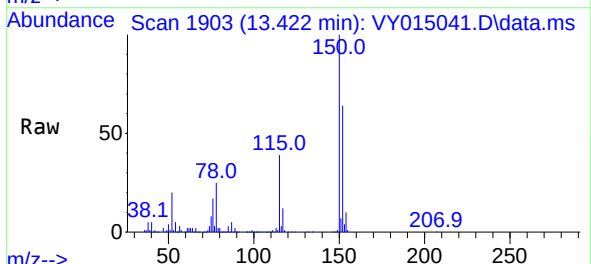


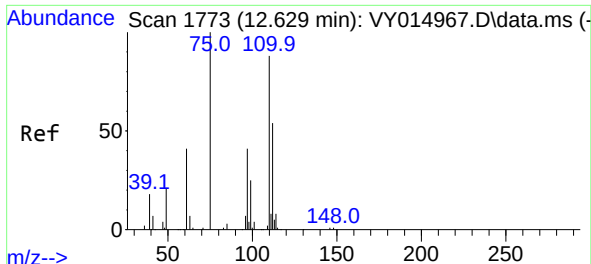
Tgt Ion:117 Resp: 368591
Ion Ratio Lower Upper
117 100
82 53.6 43.4 65.0
119 32.5 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015041.D
Acq: 10 Aug 2023 20:34

Tgt Ion:152 Resp: 189448
Ion Ratio Lower Upper
152 100
115 58.2 28.8 86.5
150 156.5 0.0 348.8

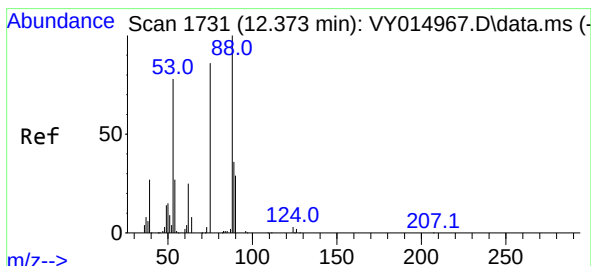
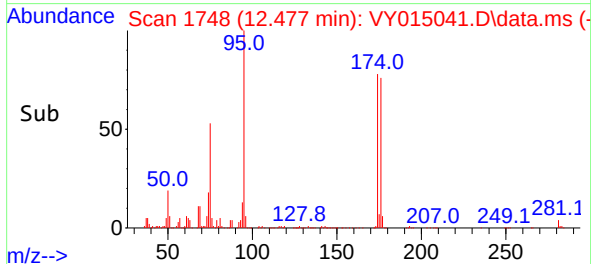
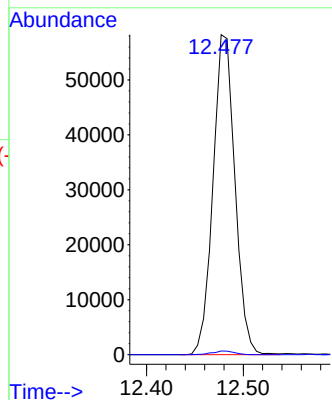
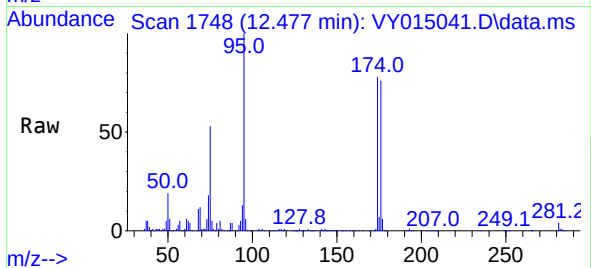




#76
1,2,3-Trichloropropane
Concen: 40.401 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015041.D
Acq: 10 Aug 2023 20:34

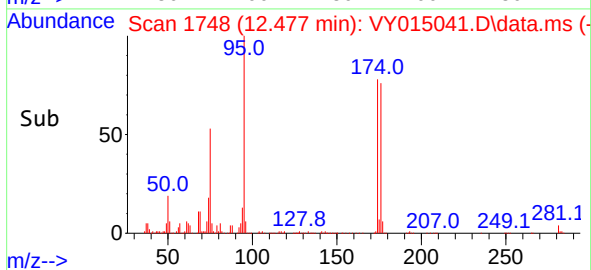
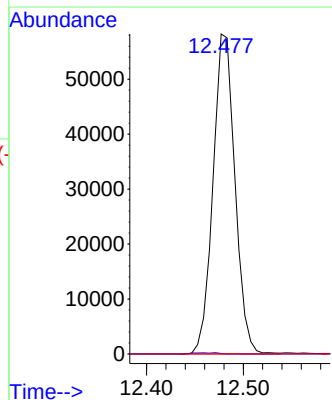
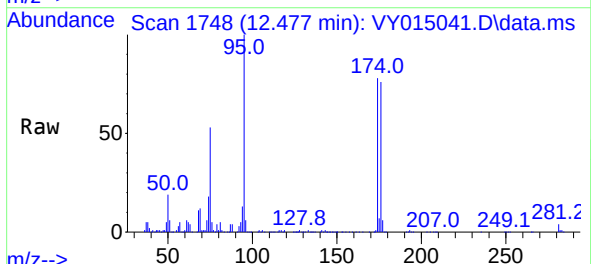
Instrument :
MSVOA_Y
ClientSampleId :

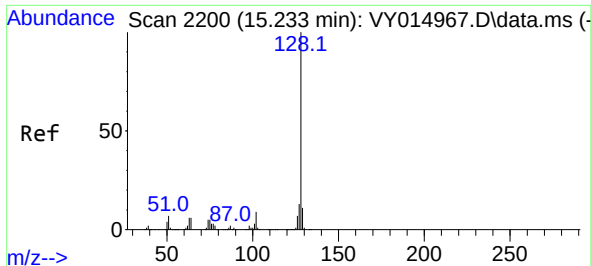
Tgt Ion: 75 Resp: 91711
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.004 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015041.D
Acq: 10 Aug 2023 20:34

Tgt Ion: 75 Resp: 91711
Ion Ratio Lower Upper
75 100
53 0.4 77.8 116.8#
89 0.0 37.4 56.0#





#95

Naphthalene

Concen: 4.888 ug/l

RT: 15.233 min Scan# 21

Delta R.T. 0.000 min

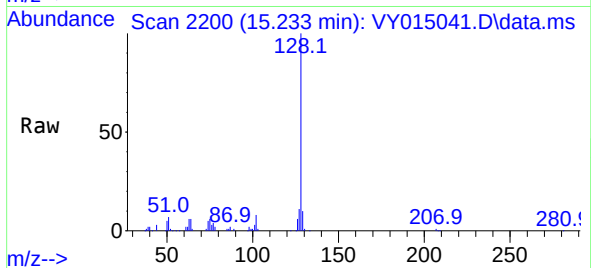
Lab File: VY015041.D

Acq: 10 Aug 2023 20:34

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 41070

Ion Ratio Lower Upper

128 100

127 12.1 10.8 16.2

129 10.6 8.6 13.0

