

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
 Data File : VY015088.D
 Acq On : 14 Aug 2023 18:46
 Operator : SY/MD
 Sample : 03989-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-PP24A

Quant Time: Aug 15 02:23:55 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)

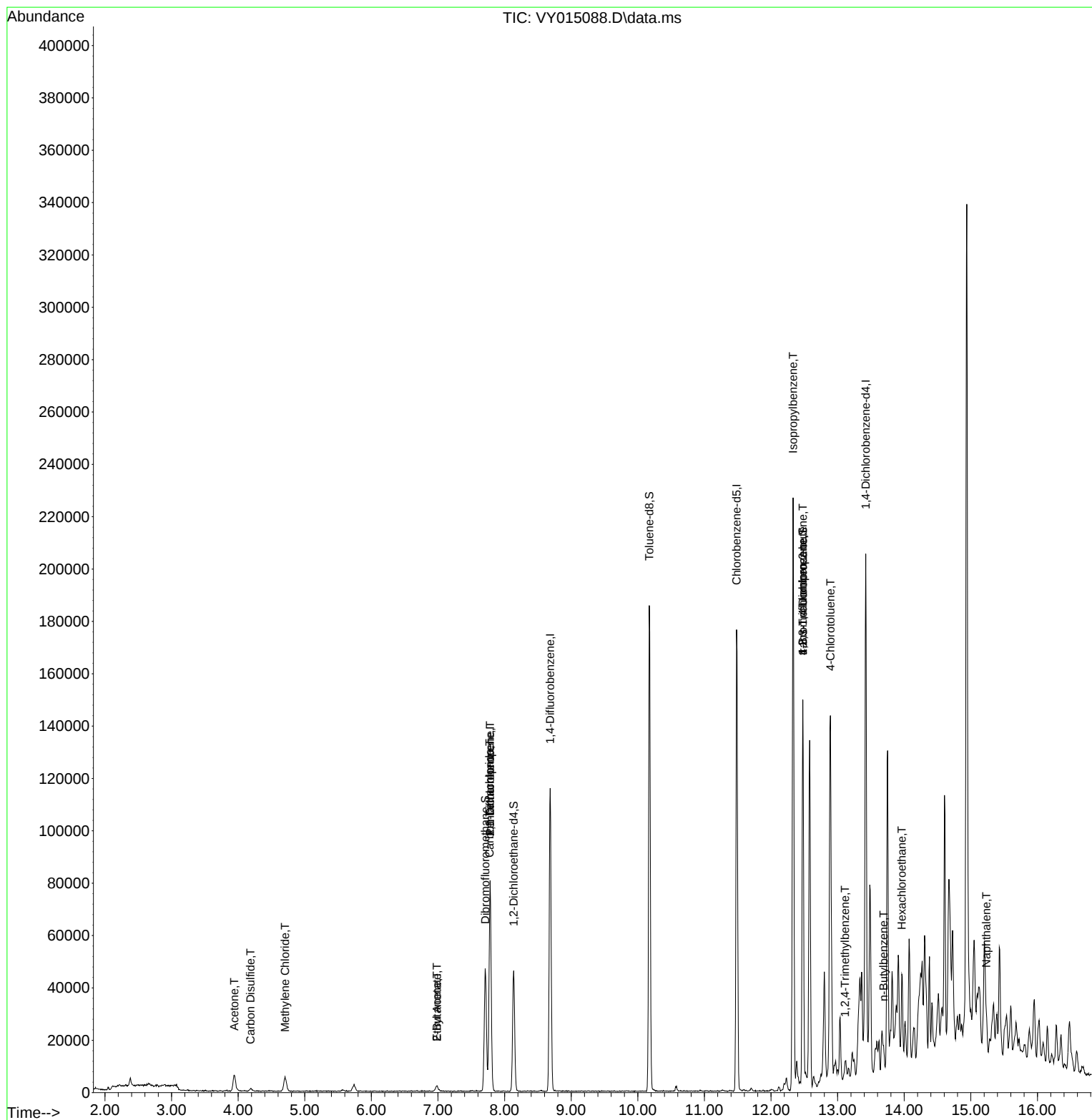
Internal Standards						
1) Pentafluorobenzene	7.783	168	61441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	101363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	97251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	47969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	36862	49.980	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.960%
35) Dibromofluoromethane	7.710	113	32512	49.857	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.720%
50) Toluene-d8	10.173	98	122071	50.287	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.580%
62) 4-Bromofluorobenzene	12.477	95	44455	50.139	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.280%
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	346	Below Cal		99
13) Acrolein	3.729	56	44	Below Cal	#	14
16) Acetone	3.942	43	11046	45.845	ug/l	99
17) Carbon Disulfide	4.186	76	1538	2.044	ug/l	# 94
20) Methylene Chloride	4.704	84	4065	2.973	ug/l	84
25) 2-Butanone	6.984	43	3312	9.708	ug/l	100
31) Cyclohexane	7.777	56	1384	Below Cal	#	27
36) 1,1-Dichloropropene	7.783	75	4702	6.518	ug/l	# 49
37) Ethyl Acetate	6.984	43	3312	4.925	ug/l	# 71
38) Carbon Tetrachloride	7.777	117	6085	7.127	ug/l	# 16
73) Isopropylbenzene	12.331	105	9005	2.919	ug/l	# 60
76) 1,2,3-Trichloropropane	12.477	75	23986	41.157	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	23986	90.401	ug/l	# 10
82) 4-Chlorotoluene	12.892	91	16170	7.407	ug/l	# 40
84) 1,2,4-Trimethylbenzene	13.111	105	3275	1.275	ug/l	99
89) n-Butylbenzene	13.690	91	5143	1.909	ug/l	# 83
90) Hexachloroethane	13.965	117	1442	2.544	ug/l	# 8
95) Naphthalene	15.233	128	6815	3.059	ug/l	# 81

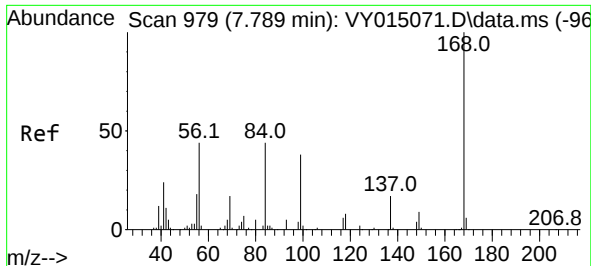
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081423\
Data File : VY015088.D
Acq On : 14 Aug 2023 18:46
Operator : SY/MD
Sample : 03989-02
Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
B-PP24A

Quant Time: Aug 15 02:23:55 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

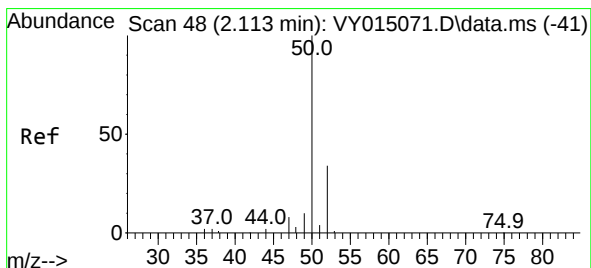
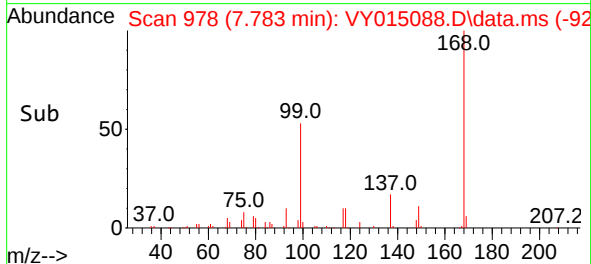
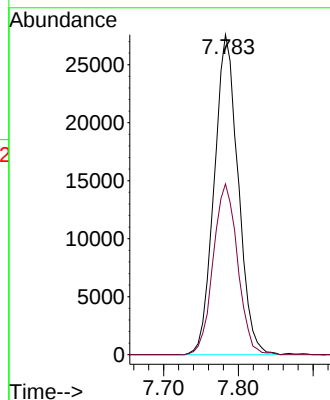
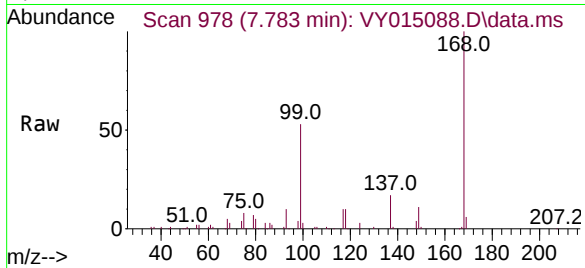




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015088.D
Acq: 14 Aug 2023 18:46

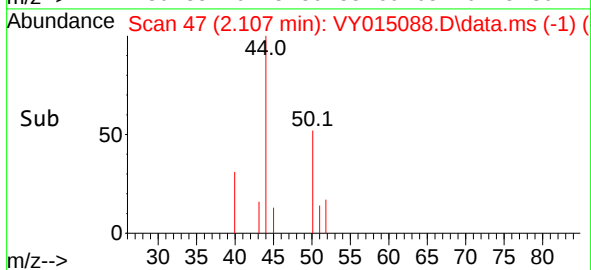
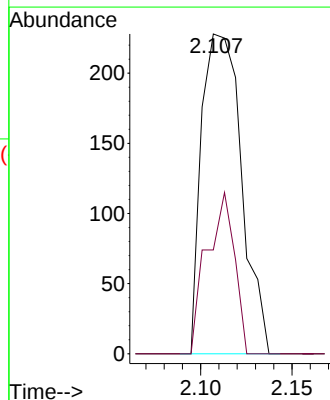
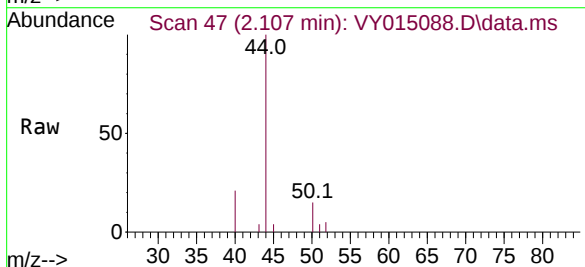
Instrument :
MSVOA_Y
ClientSampleId :
B-PP24A

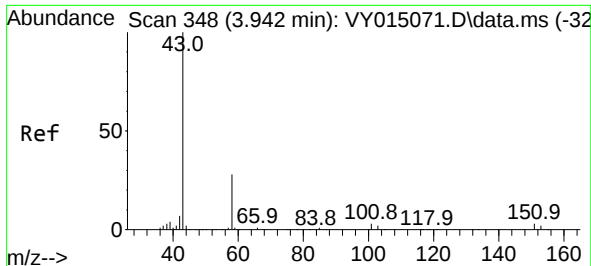
Tgt Ion:168 Resp: 61441
Ion Ratio Lower Upper
168 100
99 53.3 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY015088.D
Acq: 14 Aug 2023 18:46

Tgt Ion: 50 Resp: 346
Ion Ratio Lower Upper
50 100
52 32.5 25.4 38.2





#16

Acetone

Concen: 45.845 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY015088.D

Acq: 14 Aug 2023 18:46

Instrument :

MSVOA_Y

ClientSampleId :

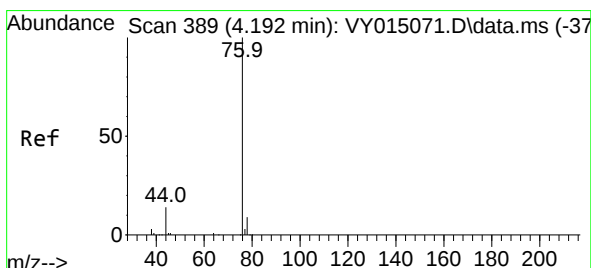
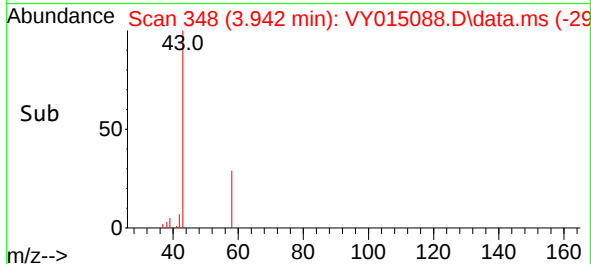
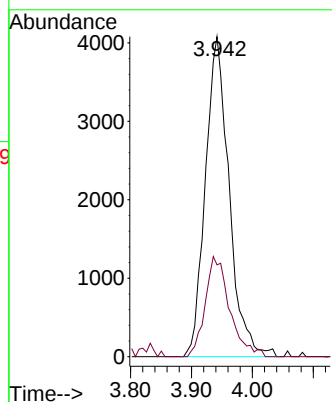
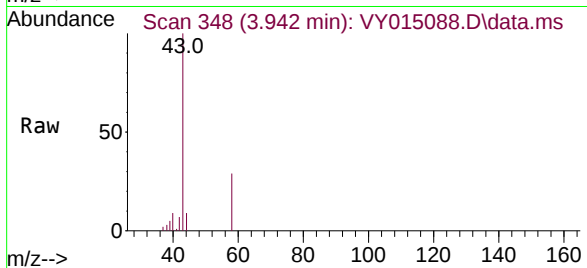
B-PP24A

Tgt Ion: 43 Resp: 11046

Ion Ratio Lower Upper

43 100

58 28.7 22.7 34.1



#17

Carbon Disulfide

Concen: 2.044 ug/l

RT: 4.186 min Scan# 388

Delta R.T. -0.000 min

Lab File: VY015088.D

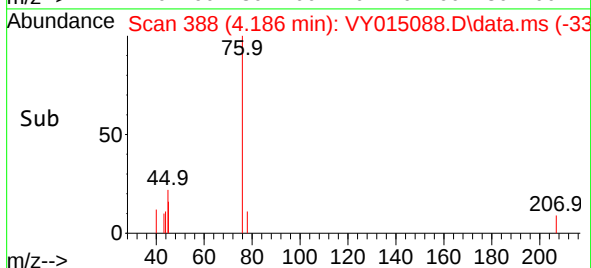
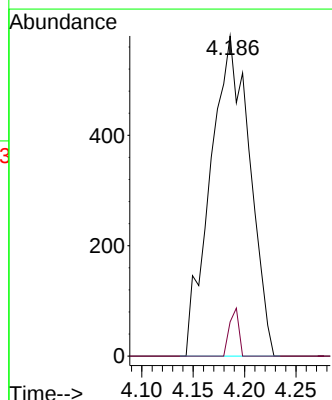
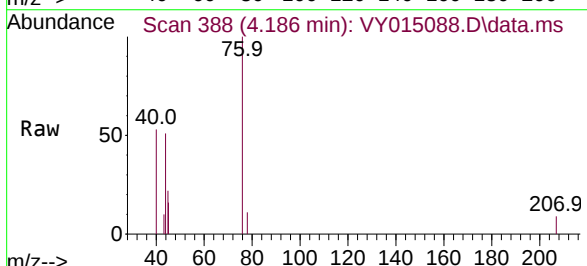
Acq: 14 Aug 2023 18:46

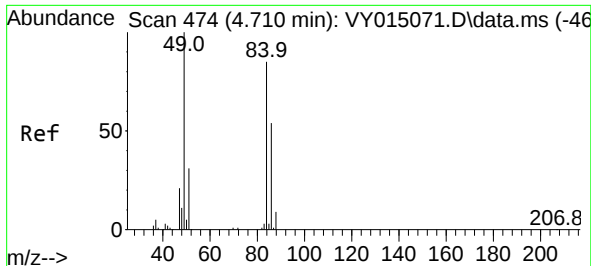
Tgt Ion: 76 Resp: 1538

Ion Ratio Lower Upper

76 100

78 10.7 7.0 10.4#

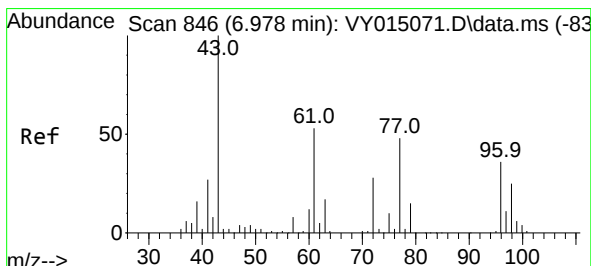
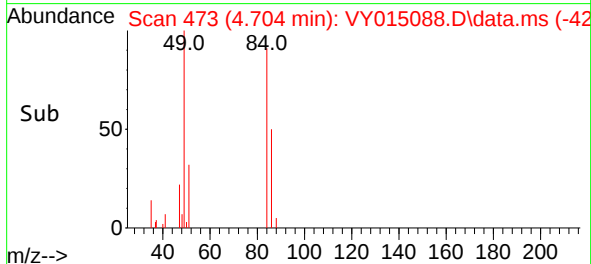
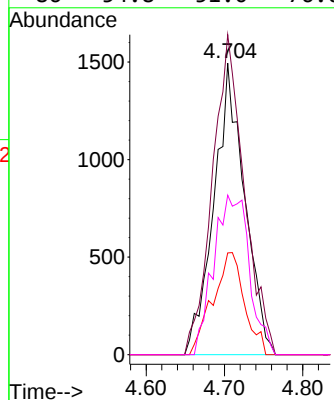
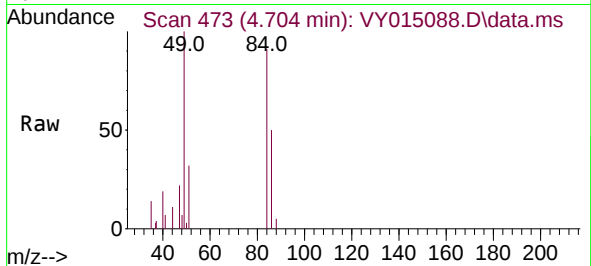




#20
Methylene Chloride
Concen: 2.973 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015088.D
Acq: 14 Aug 2023 18:46

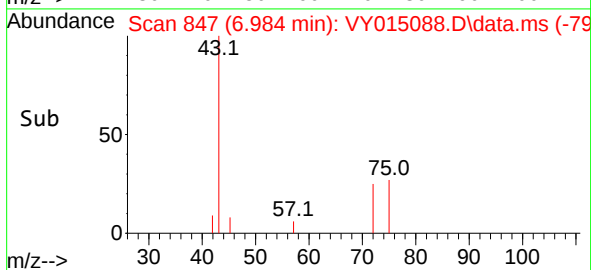
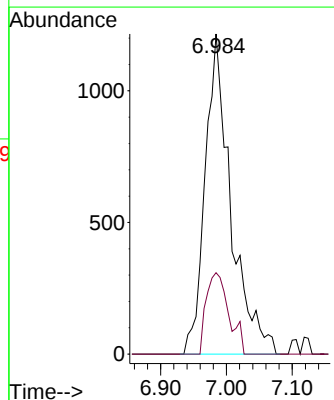
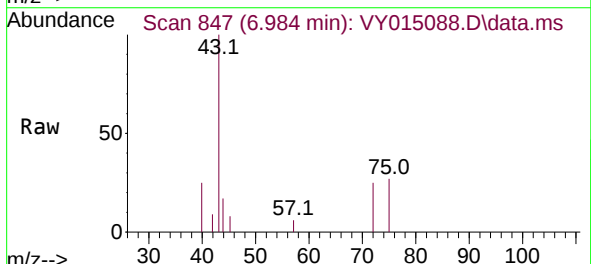
Instrument :
MSVOA_Y
ClientSampleId :
B-PP24A

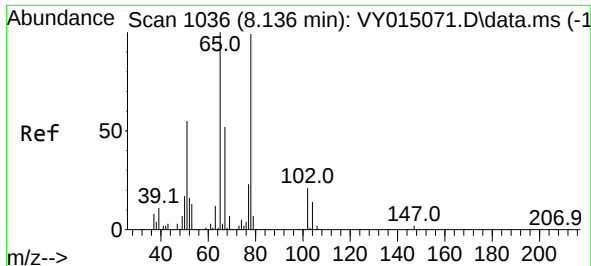
Tgt Ion:	84	Resp:	4065
Ion	Ratio	Lower	Upper
84	100		
49	109.8	106.9	160.3
51	34.9	33.2	49.8
86	54.8	51.0	76.6



#25
2-Butanone
Concen: 9.708 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015088.D
Acq: 14 Aug 2023 18:46

Tgt Ion:	43	Resp:	3312
Ion	Ratio	Lower	Upper
43	100		
72	25.4	20.5	30.7





#33

1,2-Dichloroethane-d4

Concen: 49.980 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY015088.D

Acq: 14 Aug 2023 18:46

Instrument :

MSVOA_Y

ClientSampleId :

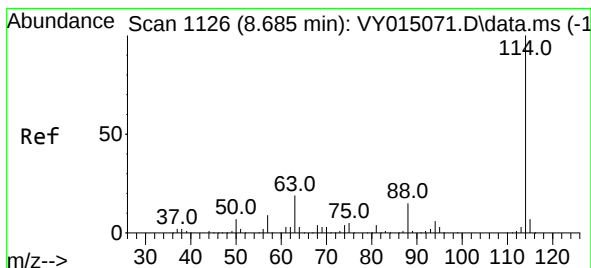
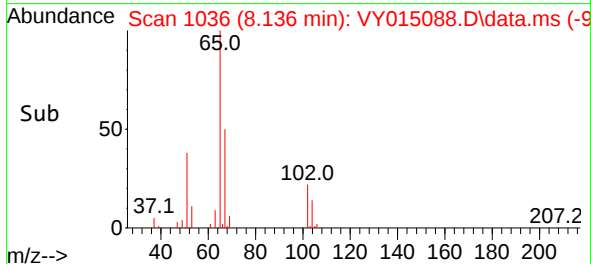
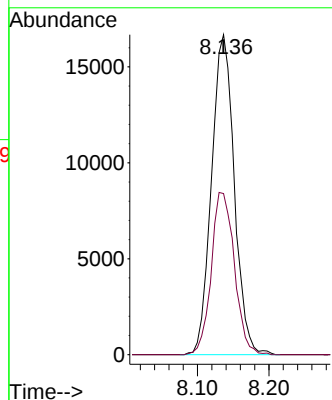
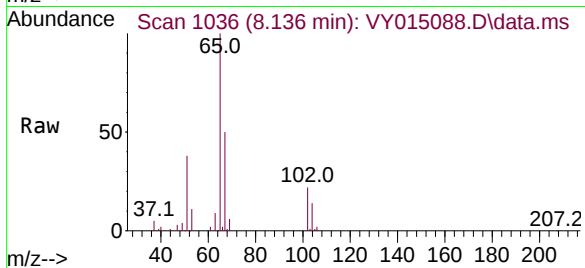
B-PP24A

Tgt Ion: 65 Resp: 36862

Ion Ratio Lower Upper

65 100

67 51.5 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY015088.D

Acq: 14 Aug 2023 18:46

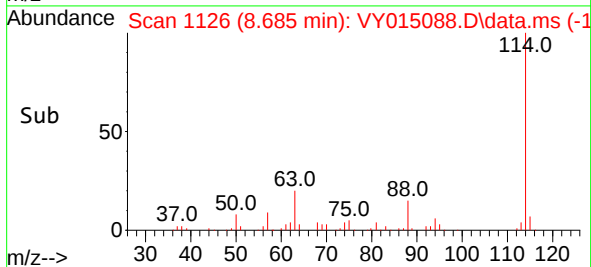
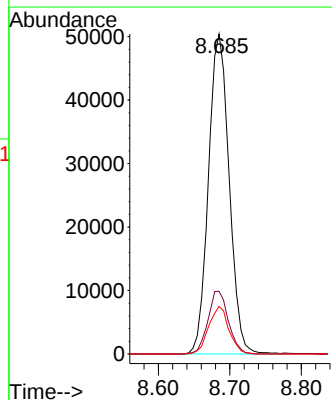
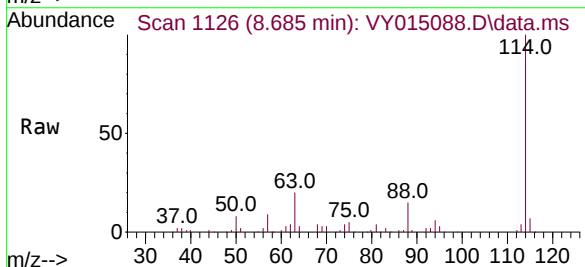
Tgt Ion: 114 Resp: 101363

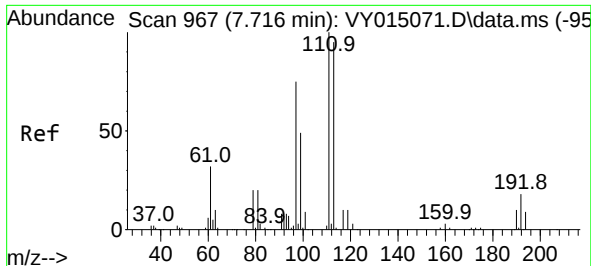
Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.4

88 14.9 0.0 30.6

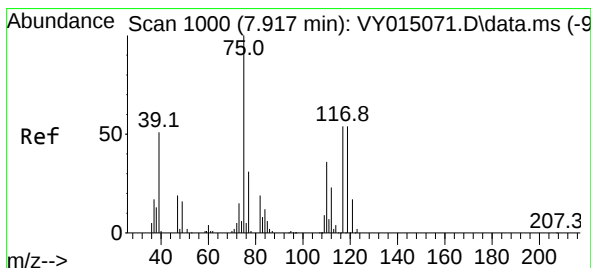
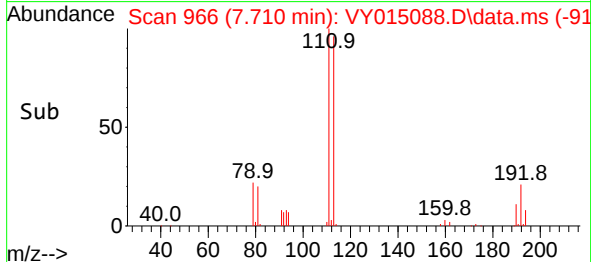
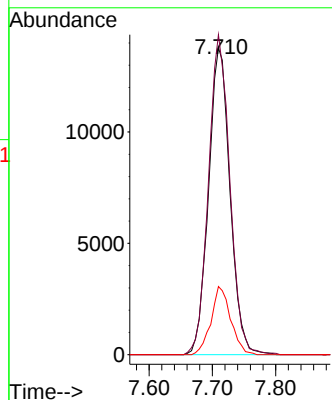
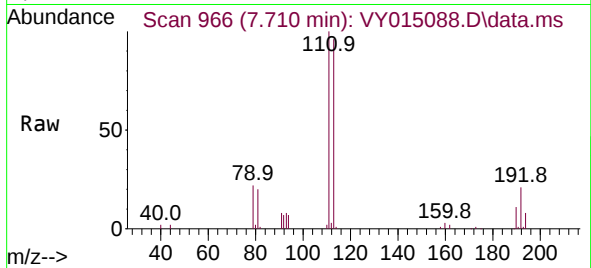




#35
Dibromofluoromethane
Concen: 49.857 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY015088.D
Acq: 14 Aug 2023 18:46

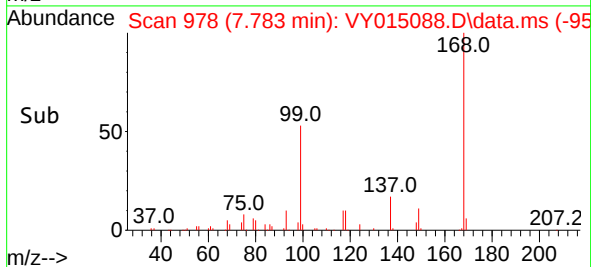
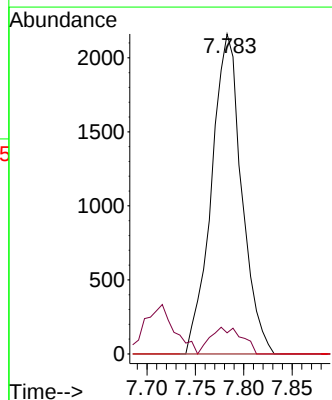
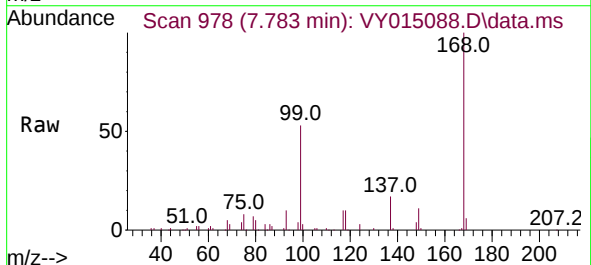
Instrument :
MSVOA_Y
ClientSampleId :
B-PP24A

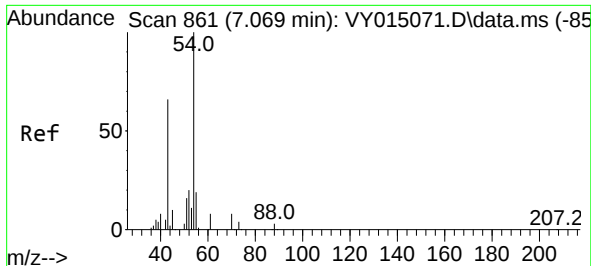
Tgt Ion:113 Resp: 32512
Ion Ratio Lower Upper
113 100
111 103.6 81.3 121.9
192 20.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.518 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015088.D
Acq: 14 Aug 2023 18:46

Tgt Ion: 75 Resp: 4702
Ion Ratio Lower Upper
75 100
110 8.7 17.8 53.5#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 4.925 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.085 min

Lab File: VY015088.D

Acq: 14 Aug 2023 18:46

Instrument :

MSVOA_Y

ClientSampleId :

B-PP24A

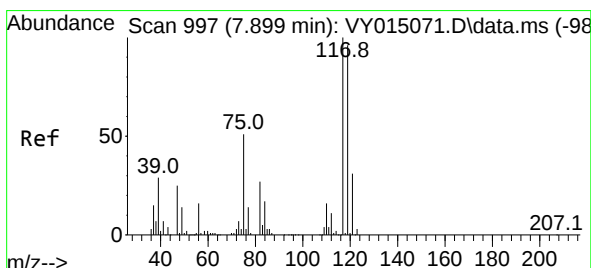
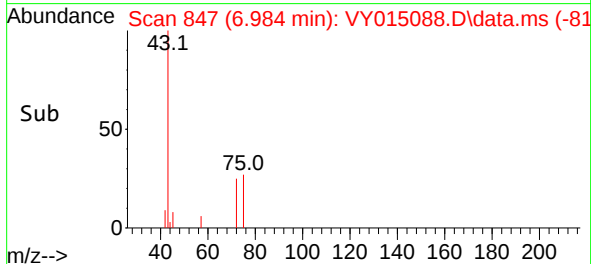
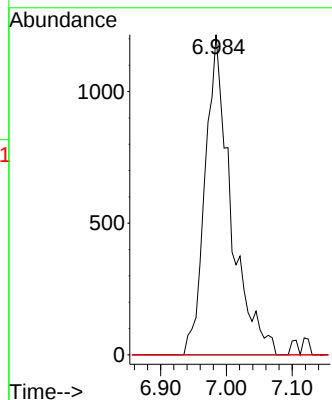
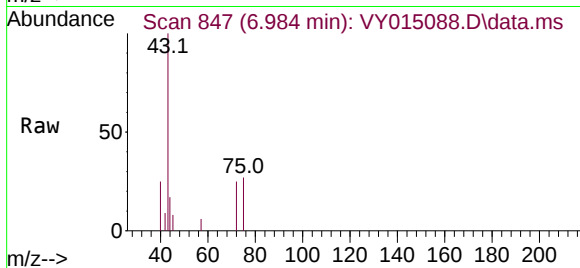
Tgt Ion: 43 Resp: 3312

Ion Ratio Lower Upper

43 100

61 0.0 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 7.127 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.122 min

Lab File: VY015088.D

Acq: 14 Aug 2023 18:46

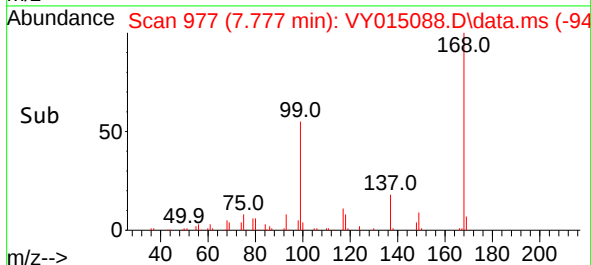
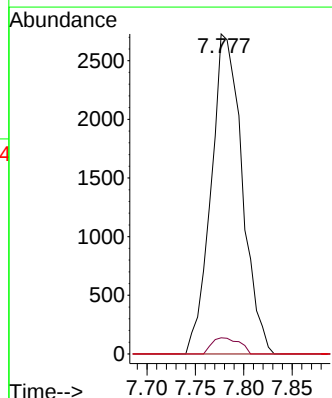
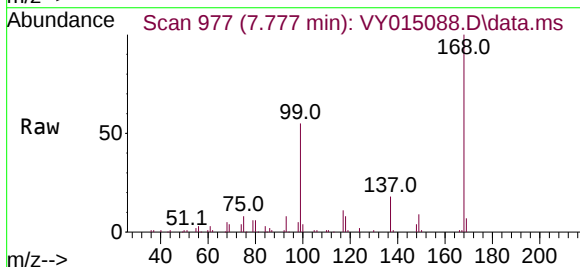
Tgt Ion: 117 Resp: 6085

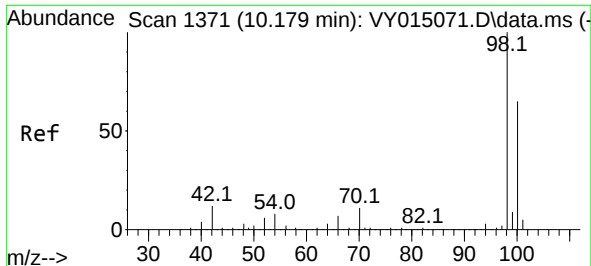
Ion Ratio Lower Upper

117 100

119 5.1 76.4 114.6#

121 0.0 25.8 38.6#

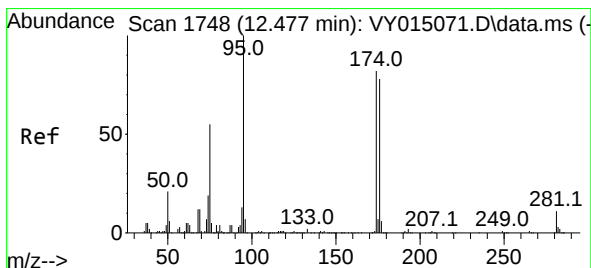
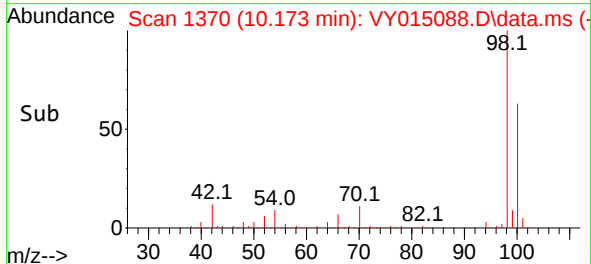
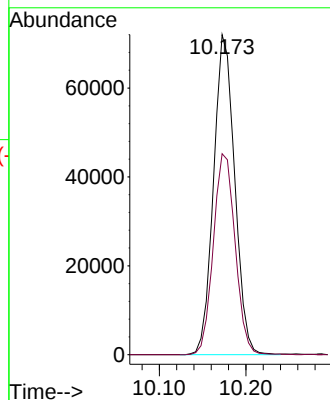
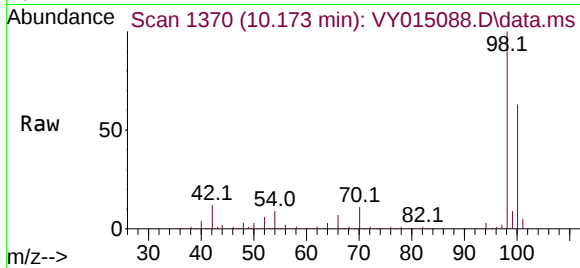




#50
Toluene-d8
Concen: 50.287 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015088.D
Acq: 14 Aug 2023 18:46

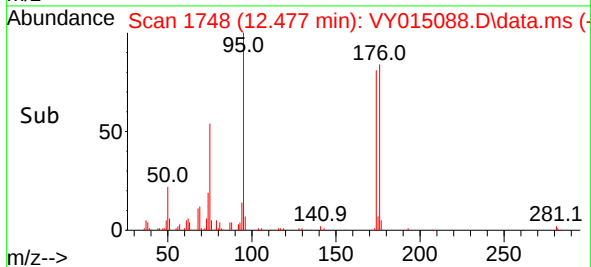
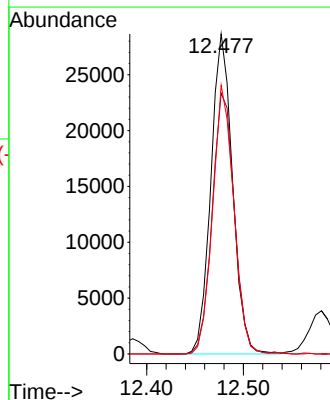
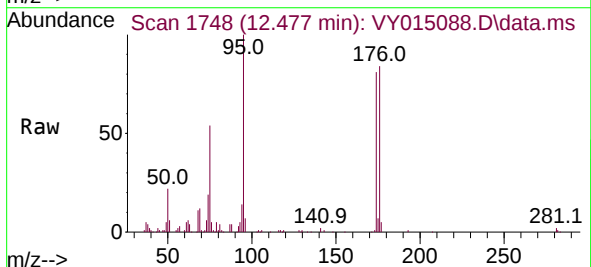
Instrument :
MSVOA_Y
ClientSampleId :
B-PP24A

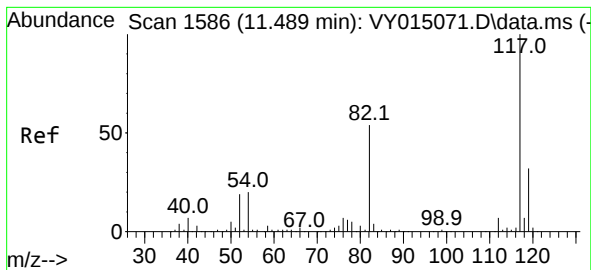
Tgt Ion: 98 Resp: 122071
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 50.139 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015088.D
Acq: 14 Aug 2023 18:46

Tgt Ion: 95 Resp: 44455
Ion Ratio Lower Upper
95 100
174 83.8 0.0 178.2
176 81.9 0.0 173.8

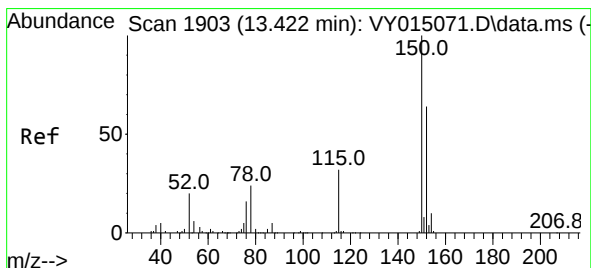
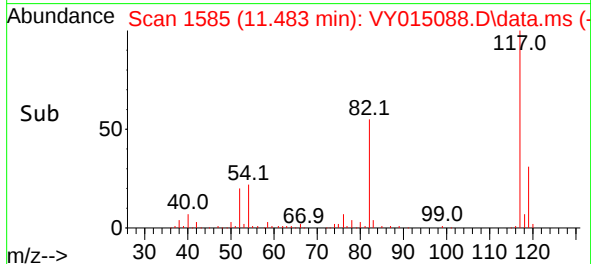
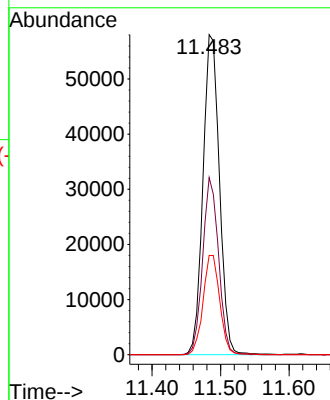
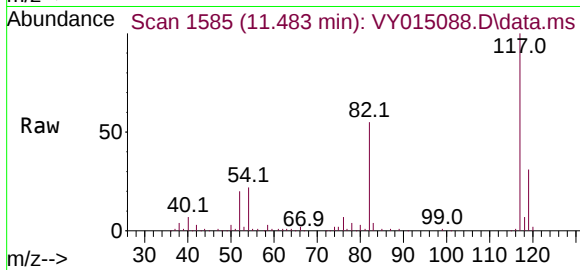




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.483 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY015088.D
Acq: 14 Aug 2023 18:46

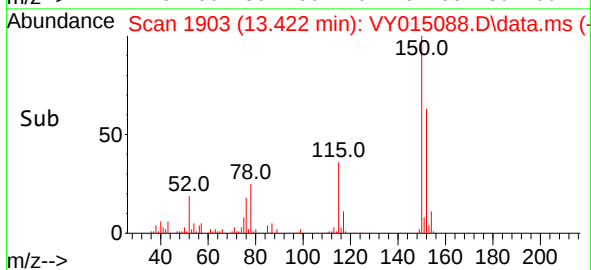
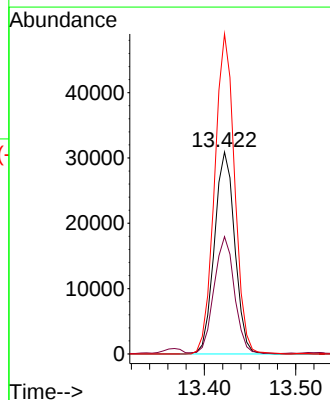
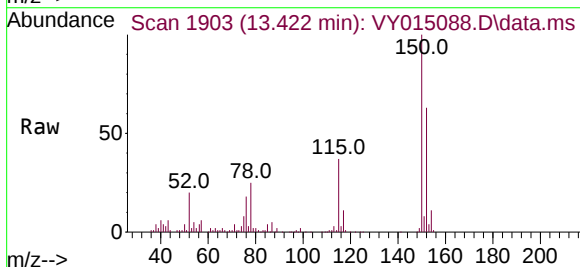
Instrument :
MSVOA_Y
ClientSampleId :
B-PP24A

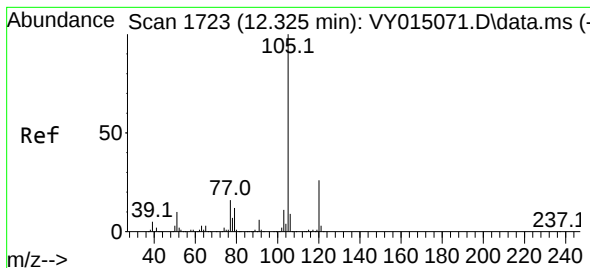
Tgt Ion:117 Resp: 97251
Ion Ratio Lower Upper
117 100
82 55.3 43.4 65.0
119 31.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY015088.D
Acq: 14 Aug 2023 18:46

Tgt Ion:152 Resp: 47969
Ion Ratio Lower Upper
152 100
115 58.0 28.8 86.5
150 155.7 0.0 348.8





#73

Isopropylbenzene

Concen: 2.919 ug/l

RT: 12.331 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY015088.D

Acq: 14 Aug 2023 18:46

Instrument :

MSVOA_Y

ClientSampleId :

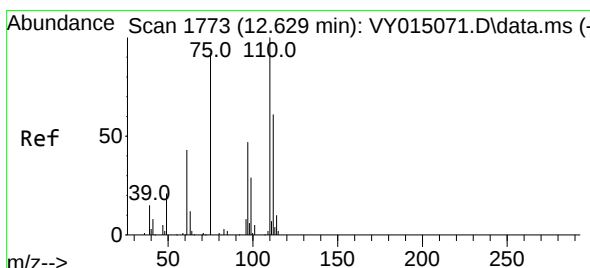
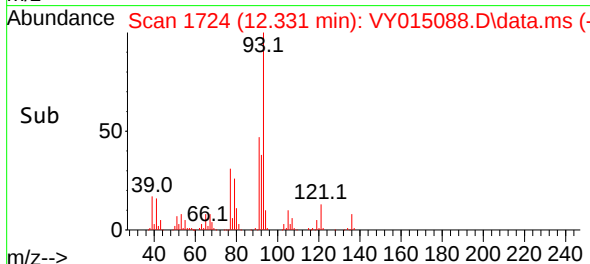
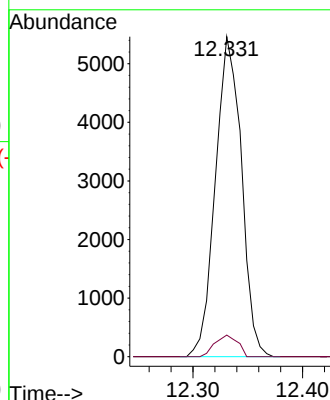
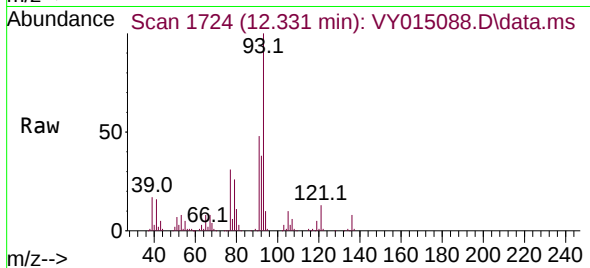
B-PP24A

Tgt Ion:105 Resp: 9005

Ion Ratio Lower Upper

105 100

120 5.9 13.3 39.9#



#76

1,2,3-Trichloropropane

Concen: 41.157 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY015088.D

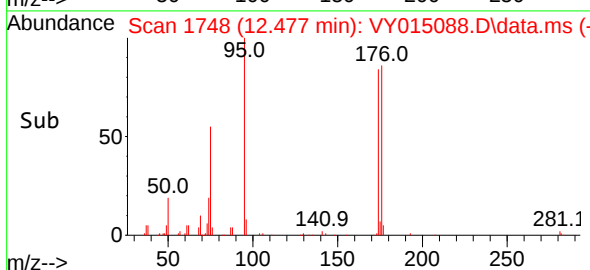
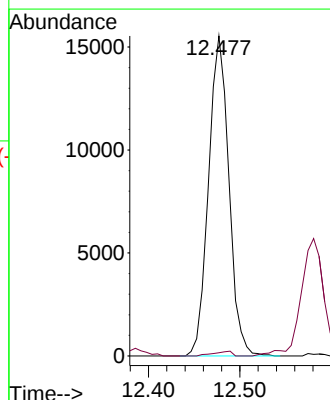
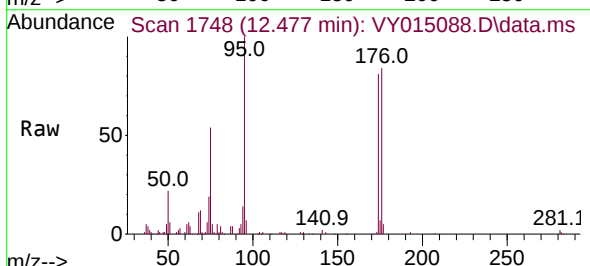
Acq: 14 Aug 2023 18:46

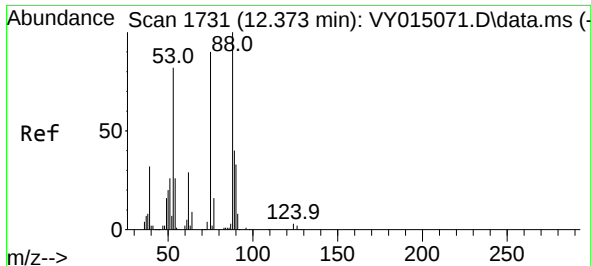
Tgt Ion: 75 Resp: 23986

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

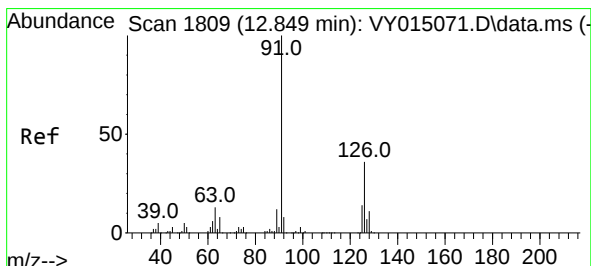
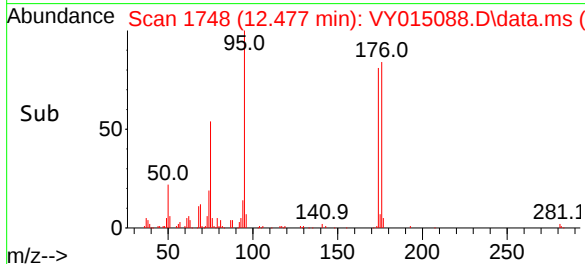
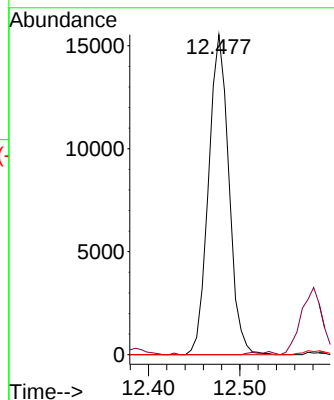
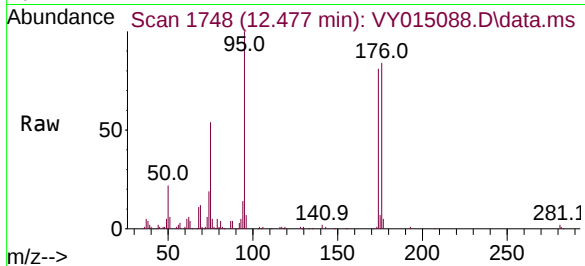




#81
trans-1,4-Dichloro-2-butene
Concen: 90.401 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY015088.D
Acq: 14 Aug 2023 18:46

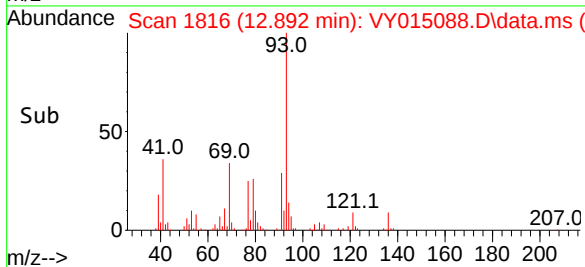
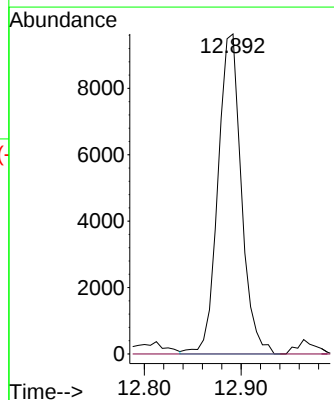
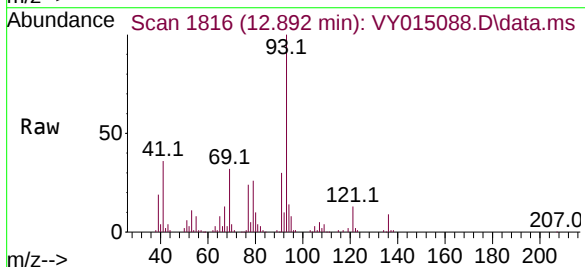
Instrument :
MSVOA_Y
ClientSampleId :
B-PP24A

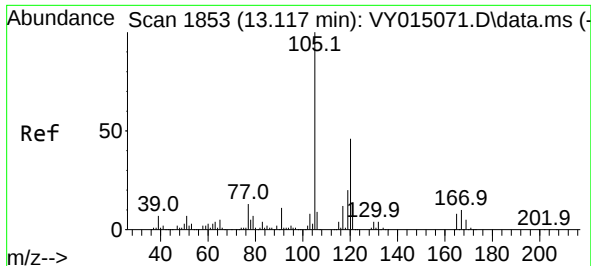
Tgt Ion: 75 Resp: 23986
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#82
4-Chlorotoluene
Concen: 7.407 ug/l
RT: 12.892 min Scan# 1816
Delta R.T. 0.037 min
Lab File: VY015088.D
Acq: 14 Aug 2023 18:46

Tgt Ion: 91 Resp: 16170
Ion Ratio Lower Upper
91 100
126 0.0 17.2 51.6#





#84

1,2,4-Trimethylbenzene

Concen: 1.275 ug/l

RT: 13.111 min Scan# 1852

Delta R.T. -0.006 min

Lab File: VY015088.D

Acq: 14 Aug 2023 18:46

Instrument :

MSVOA_Y

ClientSampleId :

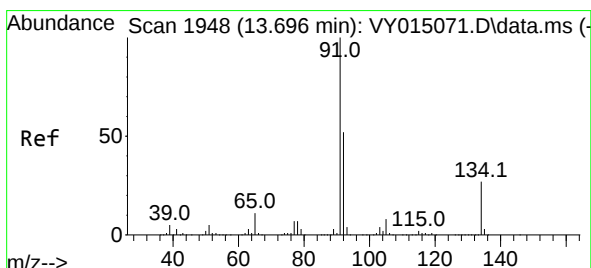
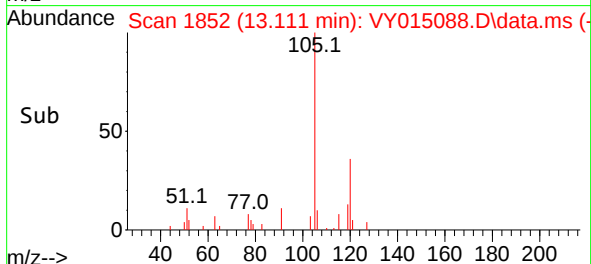
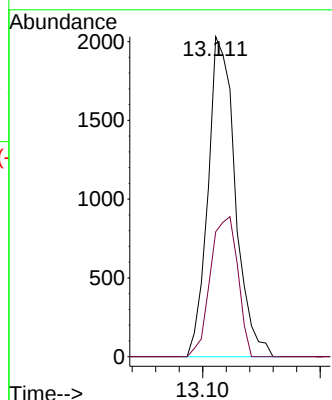
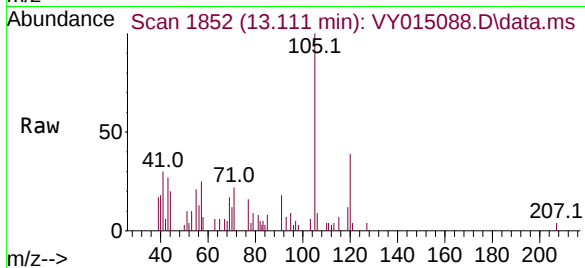
B-PP24A

Tgt Ion:105 Resp: 3275

Ion Ratio Lower Upper

105 100

120 43.9 22.2 66.6



#89

n-Butylbenzene

Concen: 1.909 ug/l

RT: 13.690 min Scan# 1947

Delta R.T. -0.006 min

Lab File: VY015088.D

Acq: 14 Aug 2023 18:46

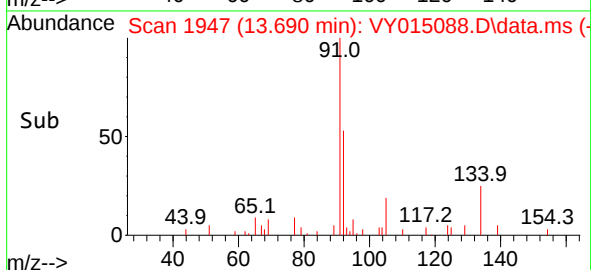
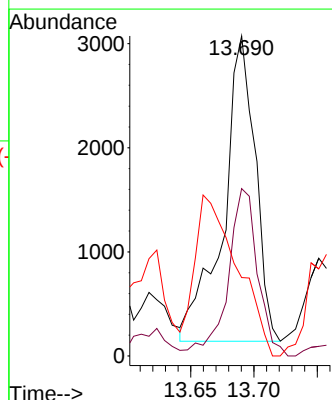
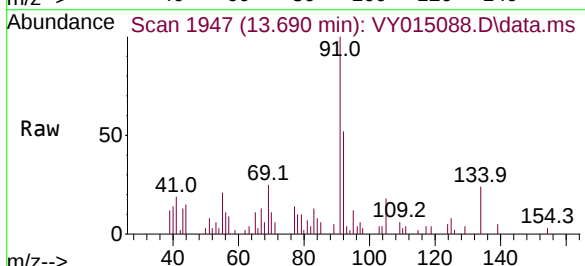
Tgt Ion: 91 Resp: 5143

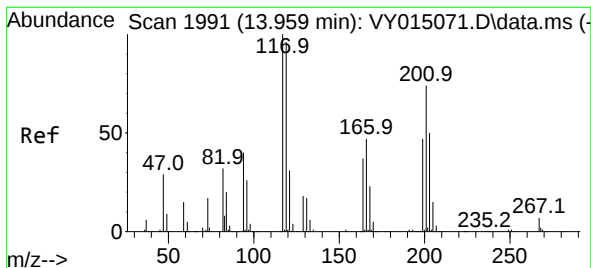
Ion Ratio Lower Upper

91 100

92 51.1 25.4 76.0

134 0.0 12.6 37.6#

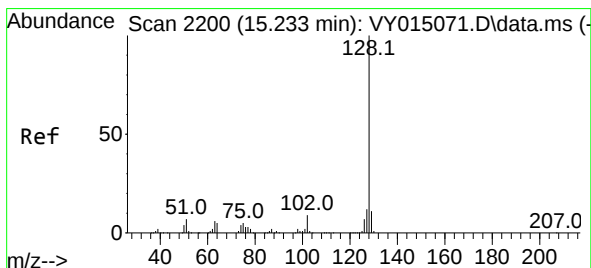
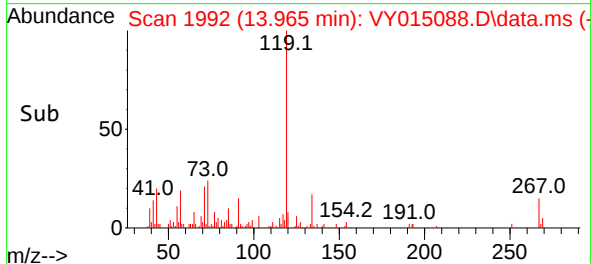
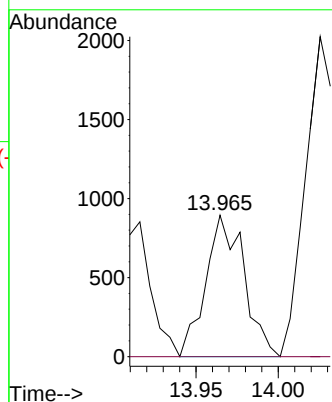
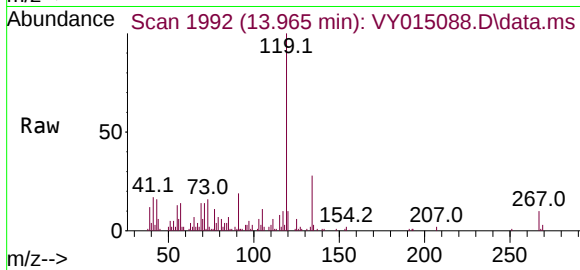




#90
Hexachloroethane
Concen: 2.544 ug/l
RT: 13.965 min Scan# 1991
Delta R.T. 0.006 min
Lab File: VY015088.D
Acq: 14 Aug 2023 18:46

Instrument :
MSVOA_Y
ClientSampleId :
B-PP24A

Tgt Ion:117 Resp: 1442
Ion Ratio Lower Upper
117 100
201 0.0 41.6 124.8#



#95
Naphthalene
Concen: 3.059 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. 0.000 min
Lab File: VY015088.D
Acq: 14 Aug 2023 18:46

Tgt Ion:128 Resp: 6815
Ion Ratio Lower Upper
128 100
127 22.7 10.8 16.2#
129 16.1 8.6 13.0#

