

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011851.D
 Acq On : 14 Dec 2022 17:27
 Operator : KP/MD
 Sample : N6038-04
 Misc : 4.76g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-30-(6-8)

Quant Time: Dec 15 01:22:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

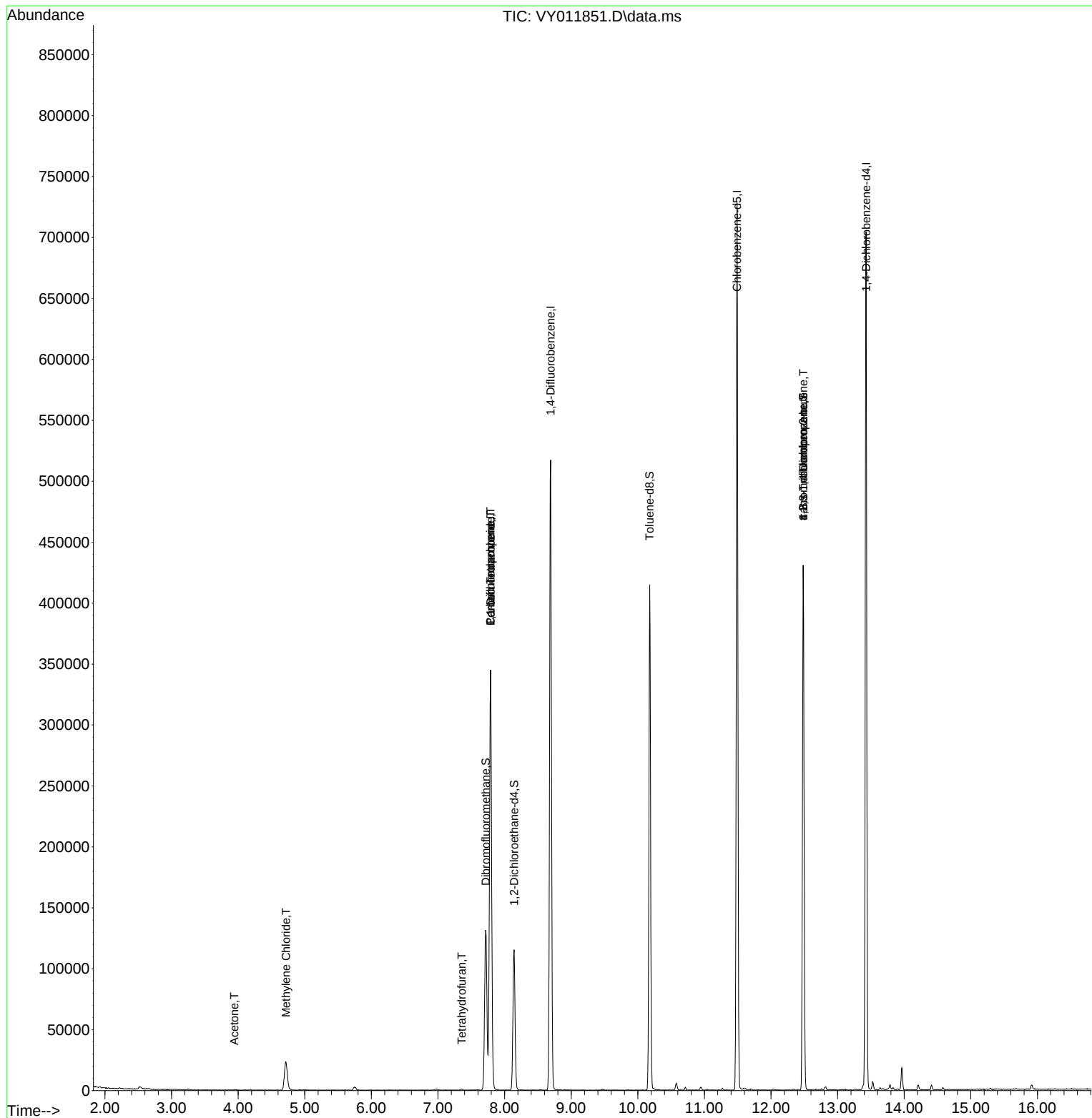
Internal Standards						
1) Pentafluorobenzene	7.789	168	265018	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	445434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	393484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	183132	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	91315	50.546	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.100%	
35) Dibromofluoromethane	7.716	113	94809	47.730	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.460%	
50) Toluene-d8	10.179	98	275587	41.321	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 82.640%	
62) 4-Bromofluorobenzene	12.483	95	108914	41.387	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.780%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	26	Below Cal	#	41
3) Chloromethane	2.119	50	248	Below Cal		98
4) Vinyl Chloride	2.211	62	20	Below Cal	#	43
5) Bromomethane	2.674	94	136	Below Cal		83
11) Tert butyl alcohol	4.942	59	122	Below Cal	#	74
16) Acetone	3.942	43	734	1.014	ug/l	91
18) Methyl Acetate	4.741	43	200	Below Cal	#	50
20) Methylene Chloride	4.716	84	18605	1.527	ug/l	# 91
29) Tetrahydrofuran	7.356	42	637	1.202	ug/l	# 69
31) Cyclohexane	7.789	56	5398	Below Cal	#	10
36) 1,1-Dichloropropene	7.789	75	20178	5.970	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	27392	6.899	ug/l	# 17
76) 1,2,3-Trichloropropane	12.483	75	57530	31.050	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	57530	70.459	ug/l	# 13

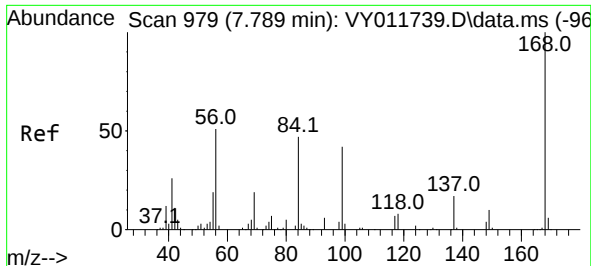
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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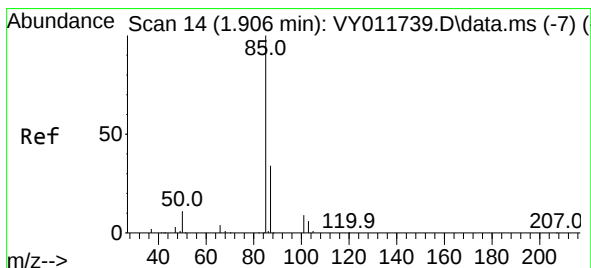
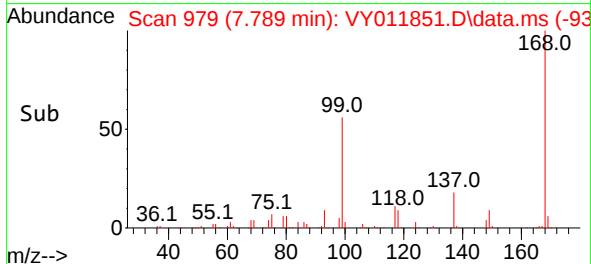
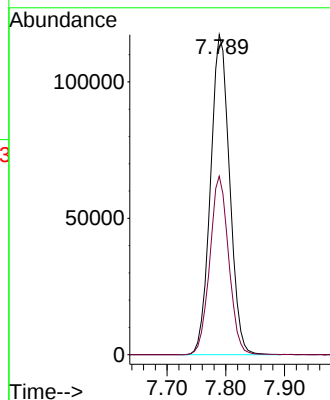
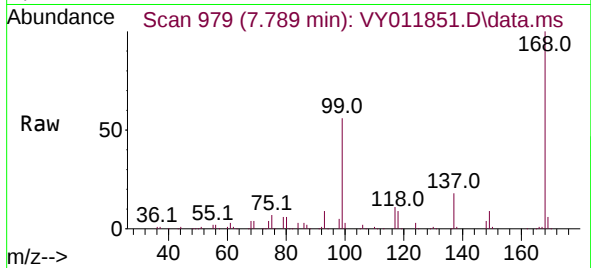




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011851.D
Acq: 14 Dec 2022 17:27

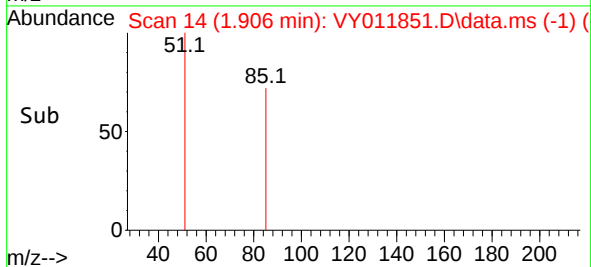
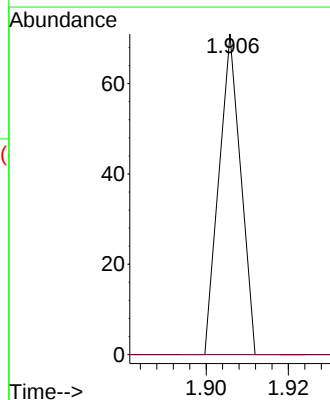
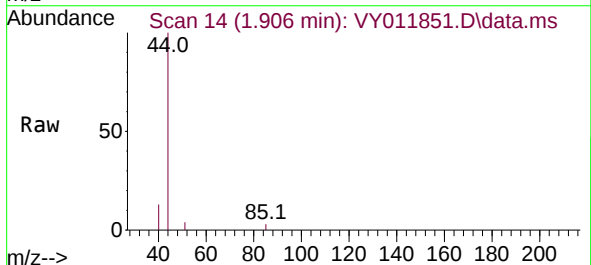
Instrument :
MSVOA_Y
ClientSampleId :
RB-30-(6-8)

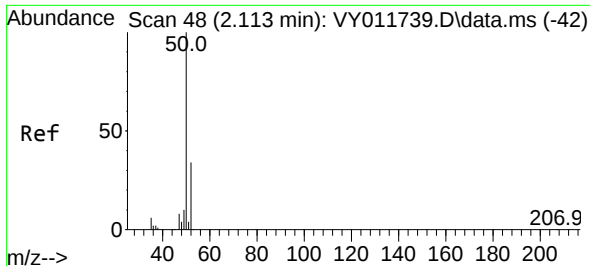
Tgt Ion:168 Resp: 265018
Ion Ratio Lower Upper
168 100
99 55.8 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011851.D
Acq: 14 Dec 2022 17:27

Tgt Ion: 85 Resp: 26
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

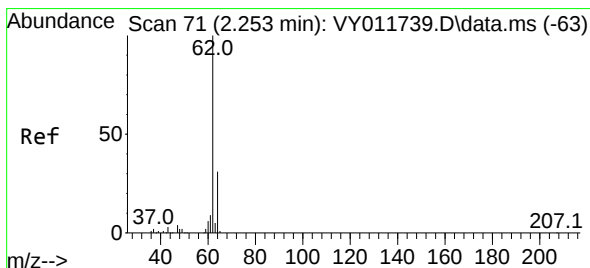
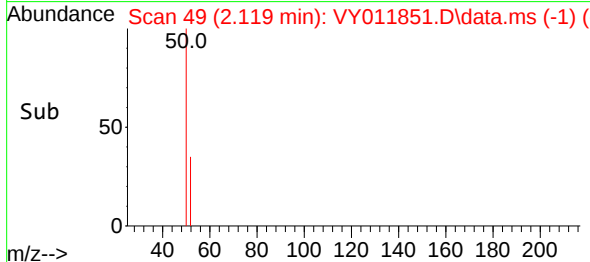
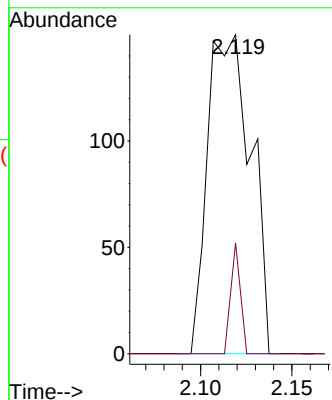
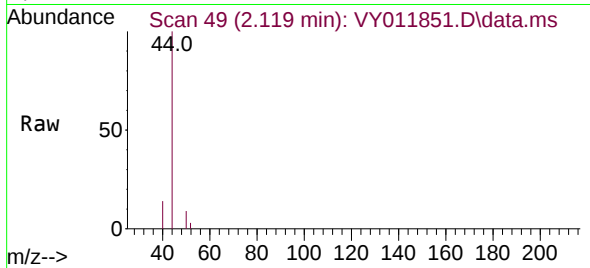




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011851.D
Acq: 14 Dec 2022 17:27

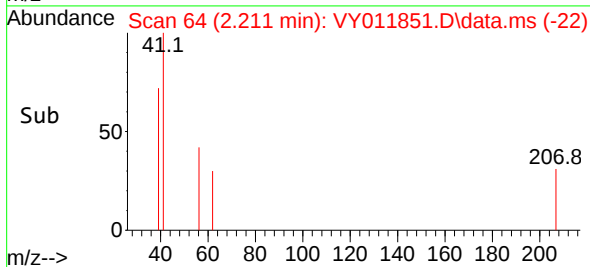
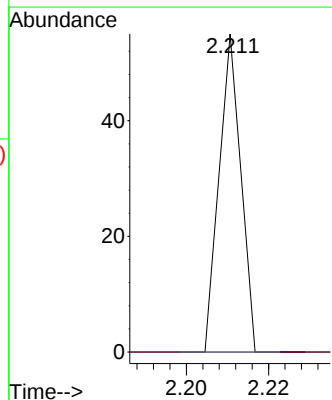
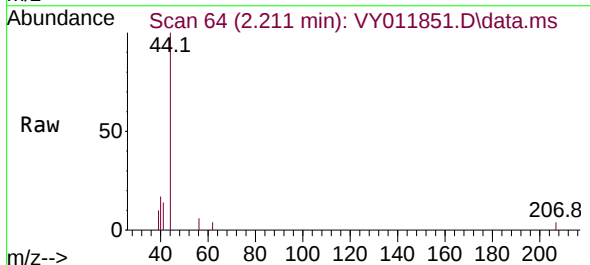
Instrument :
MSVOA_Y
ClientSampleId :
RB-30-(6-8)

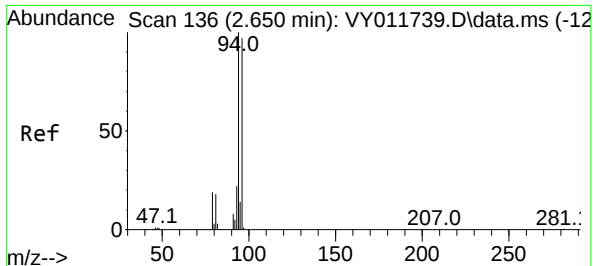
Tgt Ion: 50 Resp: 248
Ion Ratio Lower Upper
50 100
52 34.7 26.8 40.2



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.211 min Scan# 64
Delta R.T. -0.042 min
Lab File: VY011851.D
Acq: 14 Dec 2022 17:27

Tgt Ion: 62 Resp: 20
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

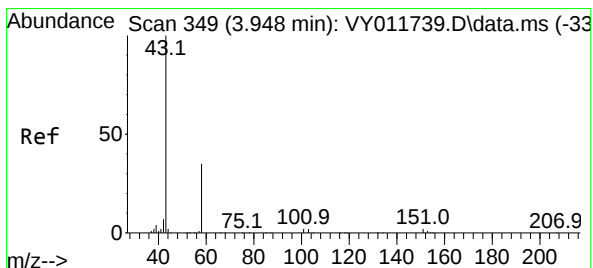
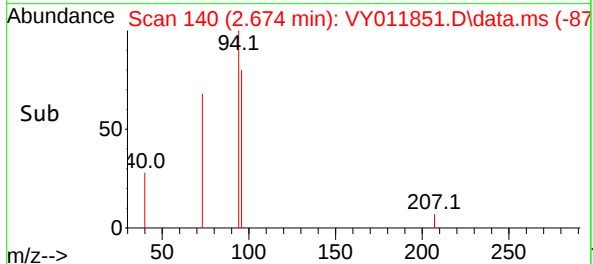
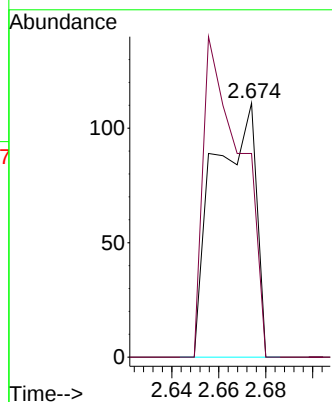
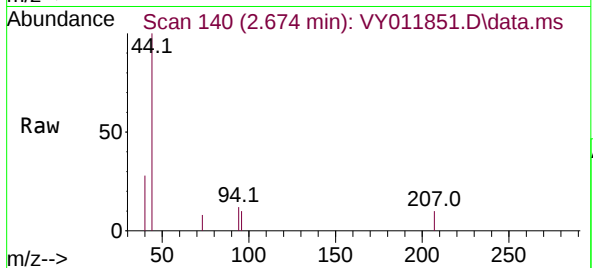




#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 14
Delta R.T. 0.024 min
Lab File: VY011851.D
Acq: 14 Dec 2022 17:27

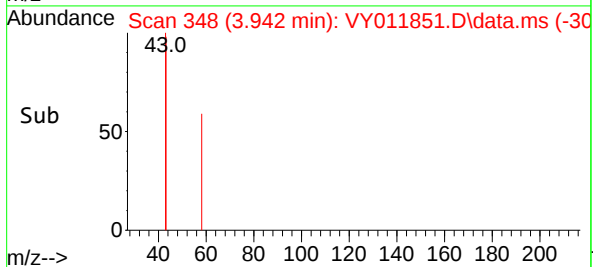
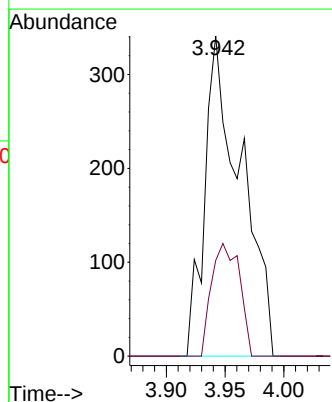
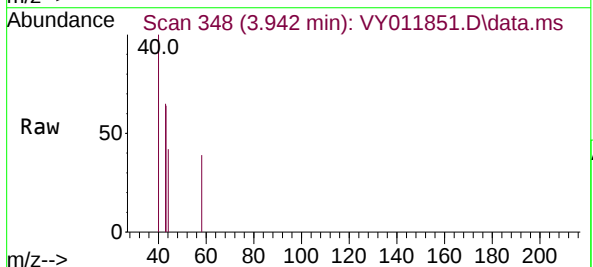
Instrument :
MSVOA_Y
ClientSampleId :
RB-30-(6-8)

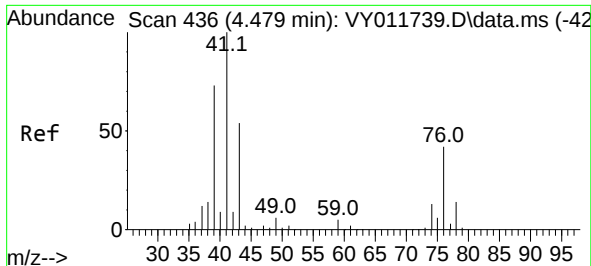
Tgt Ion: 94 Resp: 136
Ion Ratio Lower Upper
94 100
96 80.2 77.4 116.2



#16
Acetone
Concen: 1.014 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY011851.D
Acq: 14 Dec 2022 17:27

Tgt Ion: 43 Resp: 734
Ion Ratio Lower Upper
43 100
58 29.9 27.9 41.9

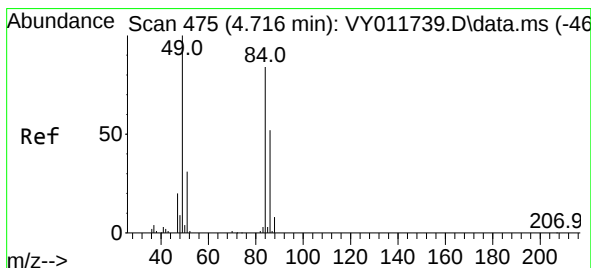
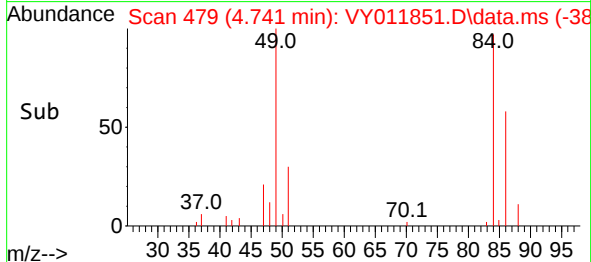
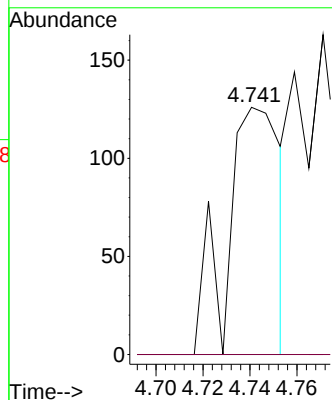
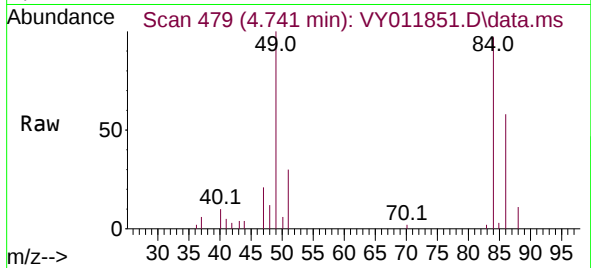




#18
Methyl Acetate
Concen: Below Cal
RT: 4.741 min Scan# 41
Delta R.T. 0.262 min
Lab File: VY011851.D
Acq: 14 Dec 2022 17:27

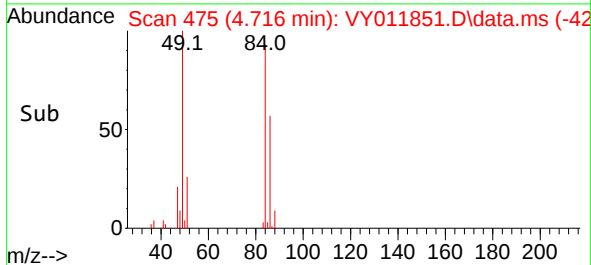
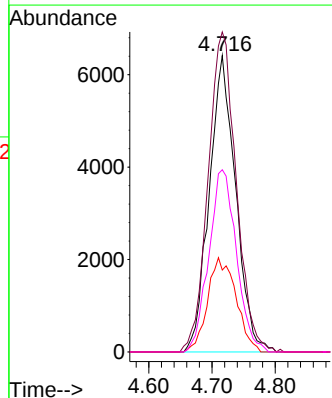
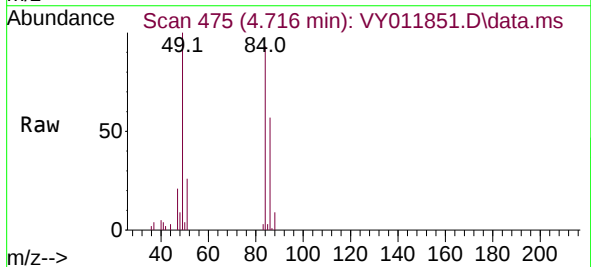
Instrument :
MSVOA_Y
ClientSampleId :
RB-30-(6-8)

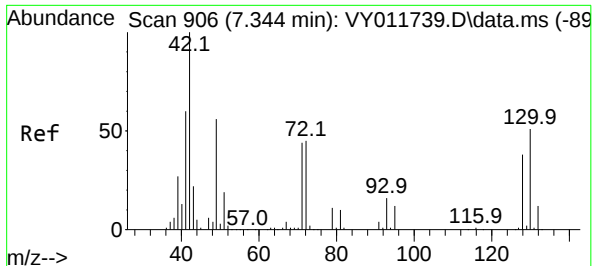
Tgt Ion: 43 Resp: 200
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 1.527 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011851.D
Acq: 14 Dec 2022 17:27

Tgt Ion: 84 Resp: 18605
Ion Ratio Lower Upper
84 100
49 108.0 95.4 143.2
51 27.6 29.9 44.9#
86 61.5 49.6 74.4





#29

Tetrahydrofuran

Concen: 1.202 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY011851.D

Acq: 14 Dec 2022 17:27

Instrument :

MSVOA_Y

ClientSampleId :

RB-30-(6-8)

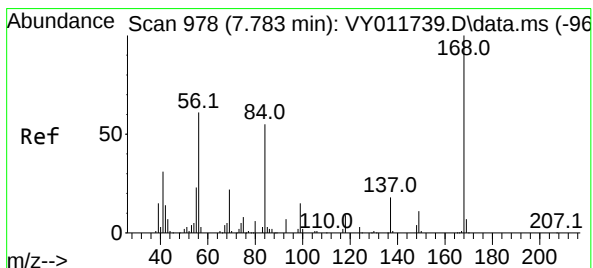
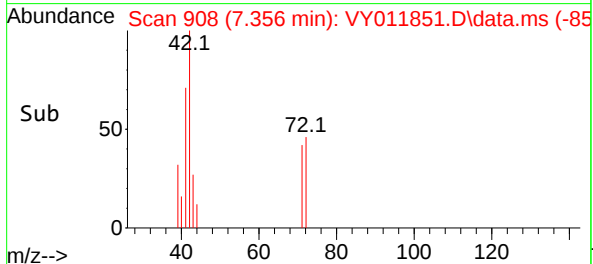
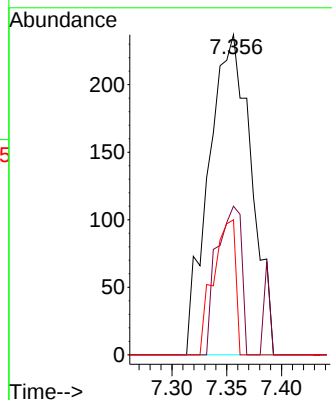
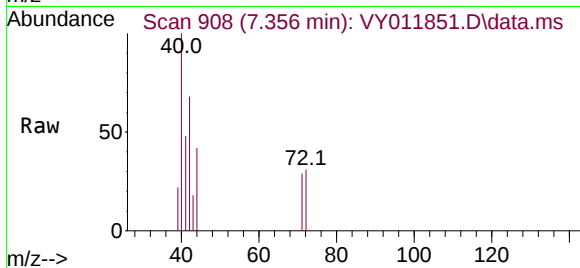
Tgt Ion: 42 Resp: 637

Ion Ratio Lower Upper

42 100

72 27.0 37.0 55.6#

71 22.1 34.9 52.3#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY011851.D

Acq: 14 Dec 2022 17:27

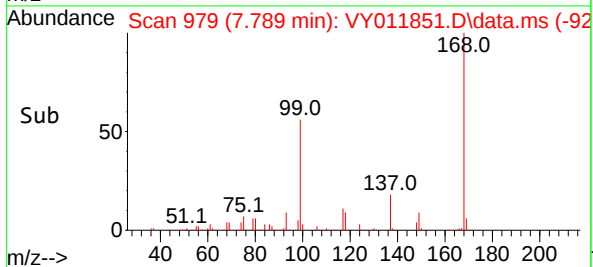
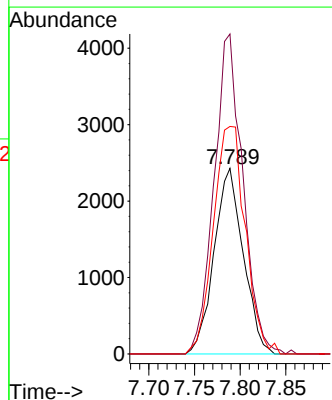
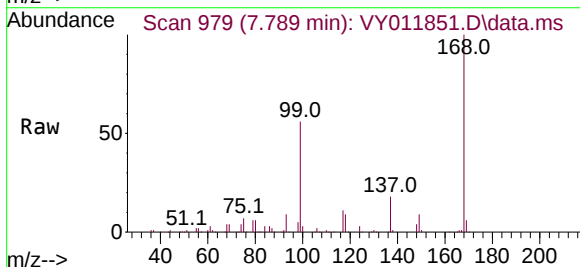
Tgt Ion: 56 Resp: 5398

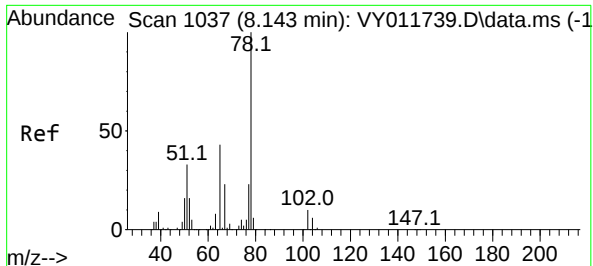
Ion Ratio Lower Upper

56 100

69 172.4 29.2 43.8#

84 122.6 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 50.546 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011851.D

Acq: 14 Dec 2022 17:27

Instrument :

MSVOA_Y

ClientSampleId :

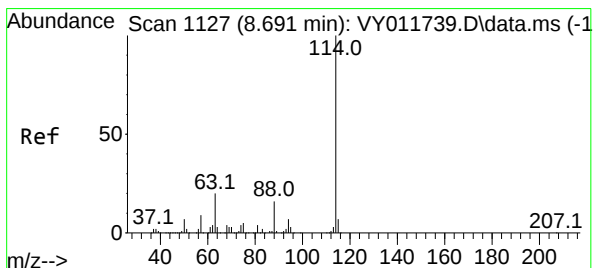
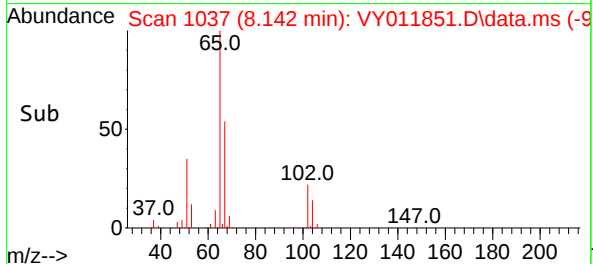
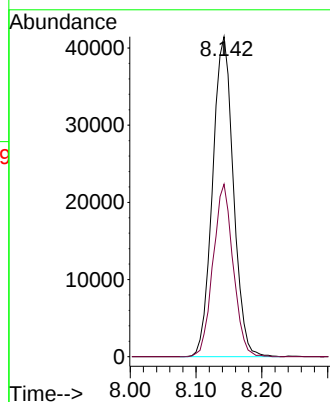
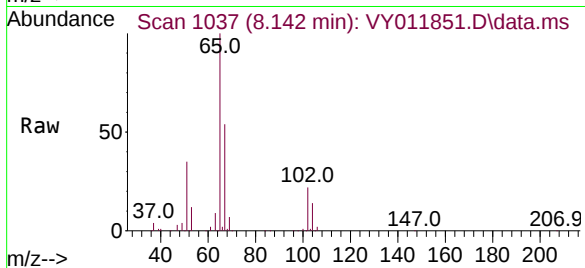
RB-30-(6-8)

Tgt Ion: 65 Resp: 91315

Ion Ratio Lower Upper

65 100

67 52.0 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011851.D

Acq: 14 Dec 2022 17:27

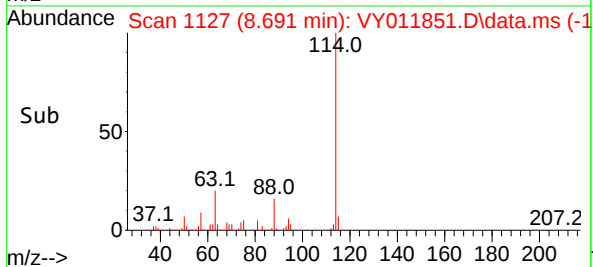
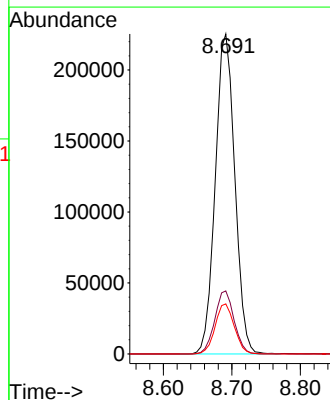
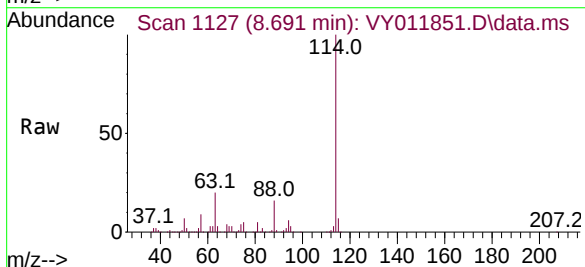
Tgt Ion: 114 Resp: 445434

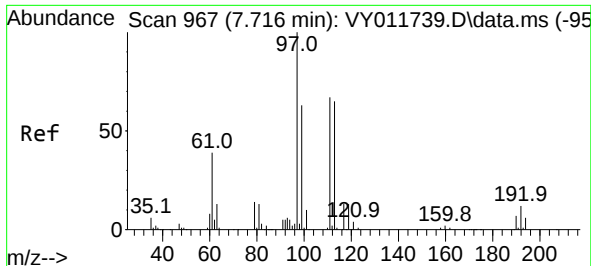
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 15.7 0.0 32.2

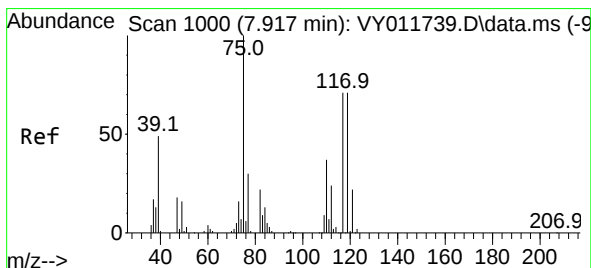
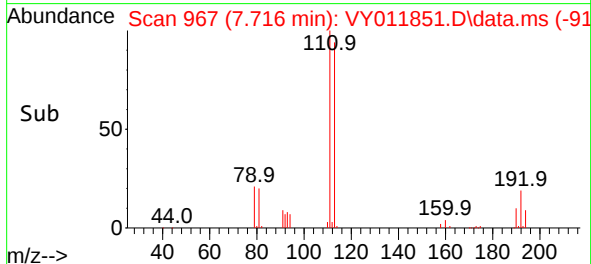
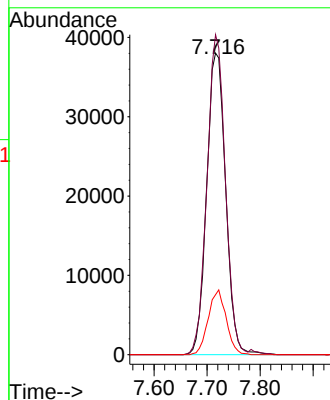
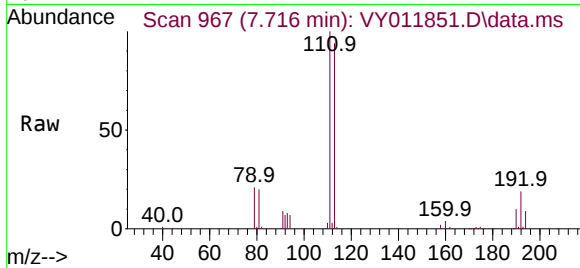




#35
 Dibromofluoromethane
 Concen: 47.730 ug/l
 RT: 7.716 min Scan# 910
 Delta R.T. -0.000 min
 Lab File: VY011851.D
 Acq: 14 Dec 2022 17:27

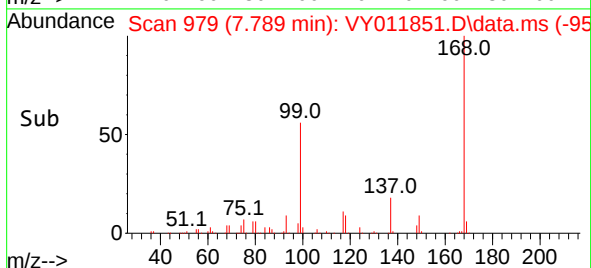
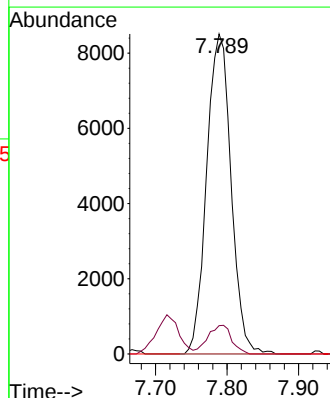
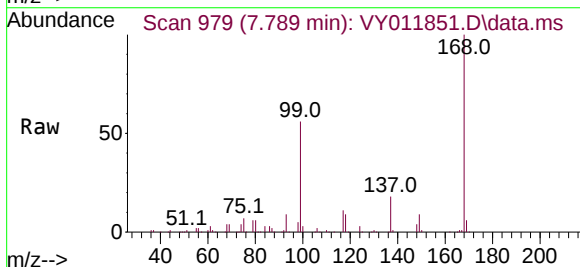
Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-30-(6-8)

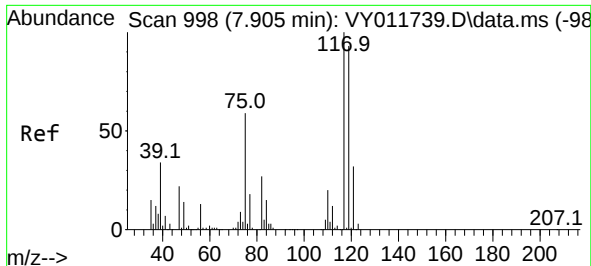
Tgt Ion:	113	Resp:	94809
Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.0	124.4
192	20.3	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 5.970 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.128 min
 Lab File: VY011851.D
 Acq: 14 Dec 2022 17:27

Tgt Ion:	75	Resp:	20178
Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.1	54.1#
77	0.0	25.1	37.7#

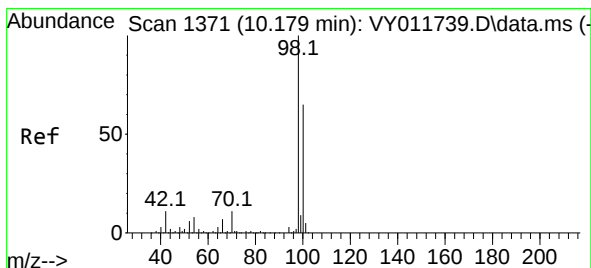
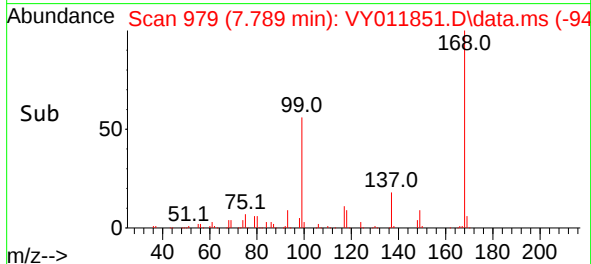
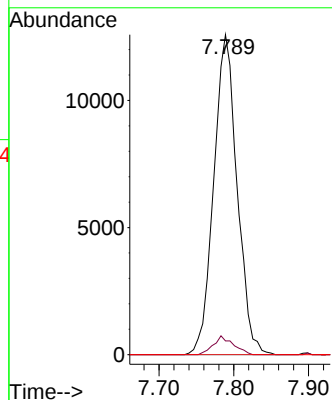
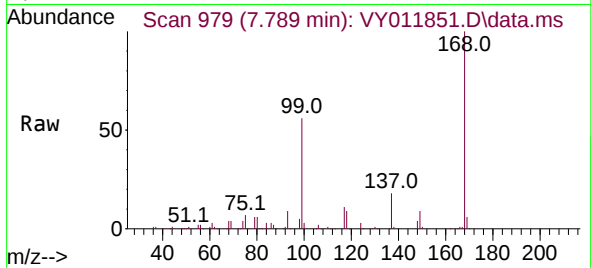




#38
Carbon Tetrachloride
Concen: 6.899 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011851.D
Acq: 14 Dec 2022 17:27

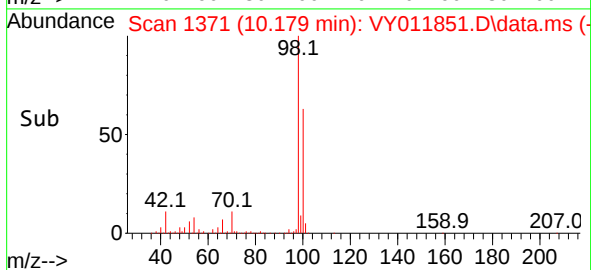
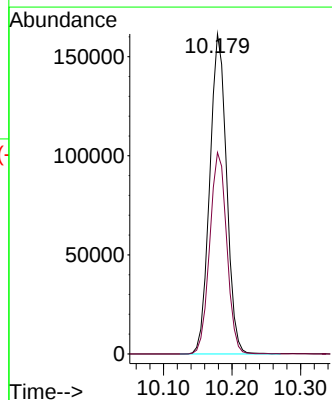
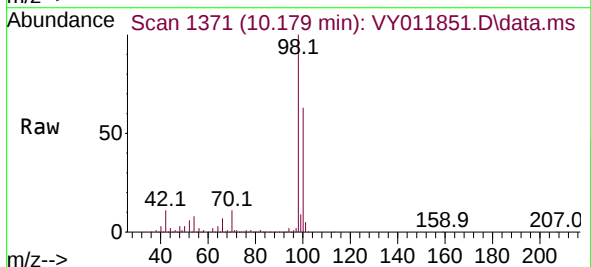
Instrument :
MSVOA_Y
ClientSampleId :
RB-30-(6-8)

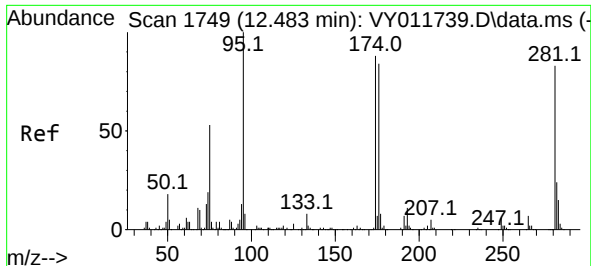
Tgt Ion:117 Resp: 27392
Ion Ratio Lower Upper
117 100
119 4.3 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 41.321 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011851.D
Acq: 14 Dec 2022 17:27

Tgt Ion: 98 Resp: 275587
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9

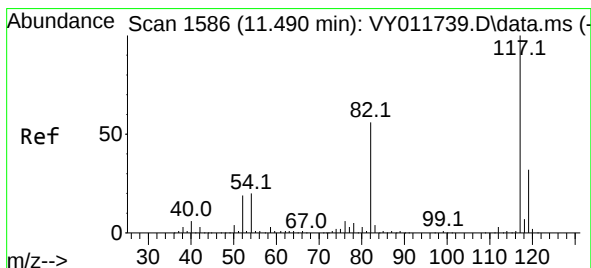
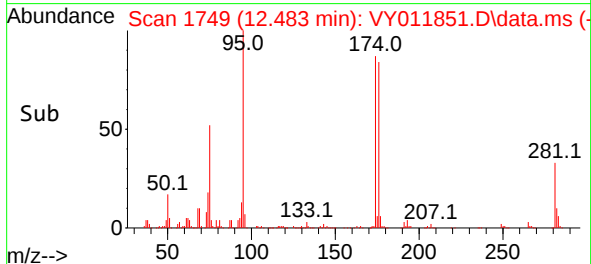
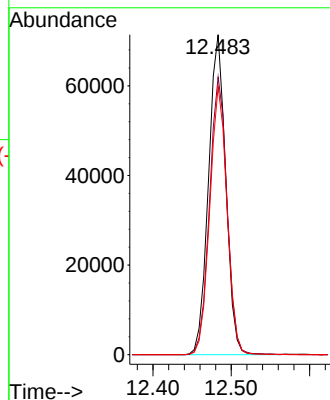
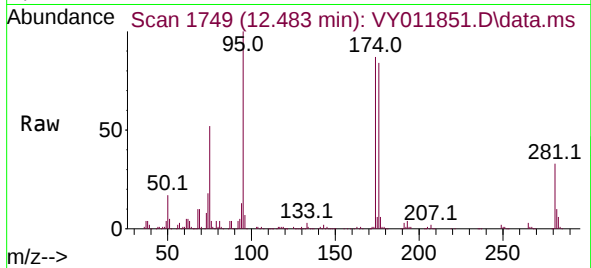




#62
4-Bromofluorobenzene
Concen: 41.387 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011851.D
Acq: 14 Dec 2022 17:27

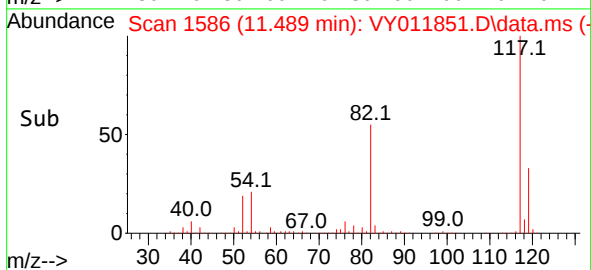
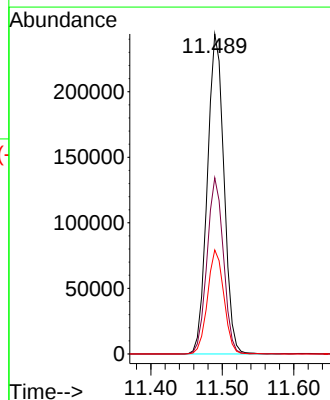
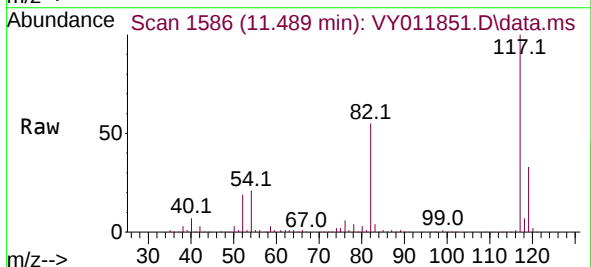
Instrument :
MSVOA_Y
ClientSampleId :
RB-30-(6-8)

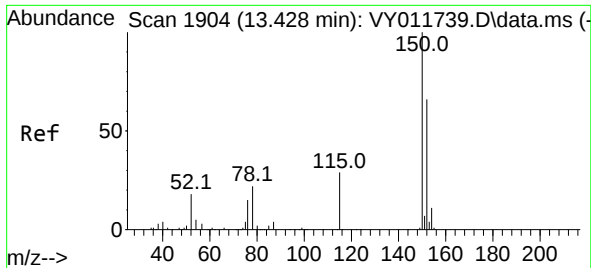
Tgt Ion: 95 Resp: 108914
Ion Ratio Lower Upper
95 100
174 88.2 0.0 172.0
176 84.0 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011851.D
Acq: 14 Dec 2022 17:27

Tgt Ion: 117 Resp: 393484
Ion Ratio Lower Upper
117 100
82 55.0 44.8 67.2
119 32.5 25.4 38.2

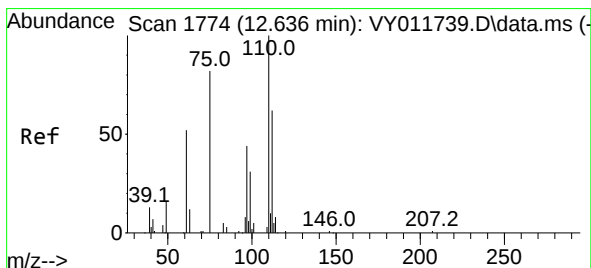
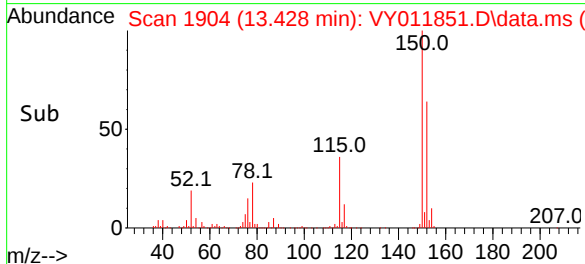
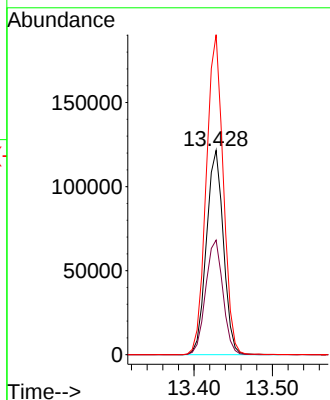
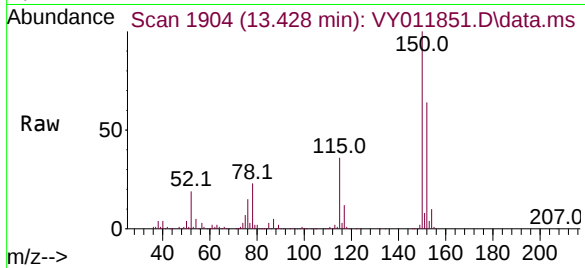




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY011851.D
 Acq: 14 Dec 2022 17:27

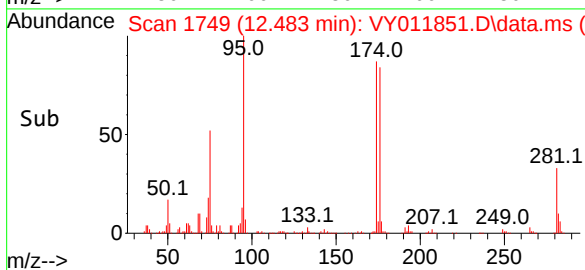
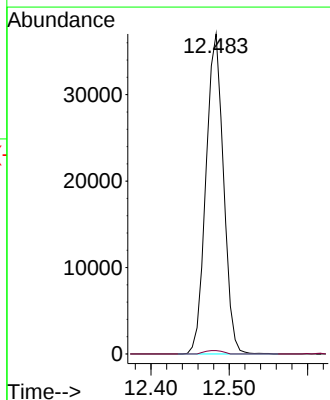
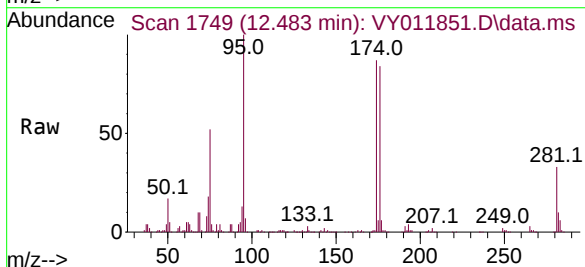
Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-30-(6-8)

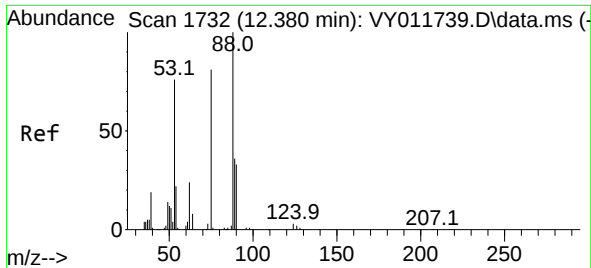
Tgt Ion:152 Resp: 183132
 Ion Ratio Lower Upper
 152 100
 115 57.0 29.1 87.3
 150 156.6 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 31.050 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY011851.D
 Acq: 14 Dec 2022 17:27

Tgt Ion: 75 Resp: 57530
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.459 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY011851.D
 Acq: 14 Dec 2022 17:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-30-(6-8)

Tgt Ion: 75 Resp: 57530
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.6 37.0 55.4#

