

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011848.D
 Acq On : 14 Dec 2022 16:19
 Operator : KP/MD
 Sample : N6038-01
 Misc : 5.39g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-29-(2.5-4.5)

Quant Time: Dec 15 01:21:31 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)

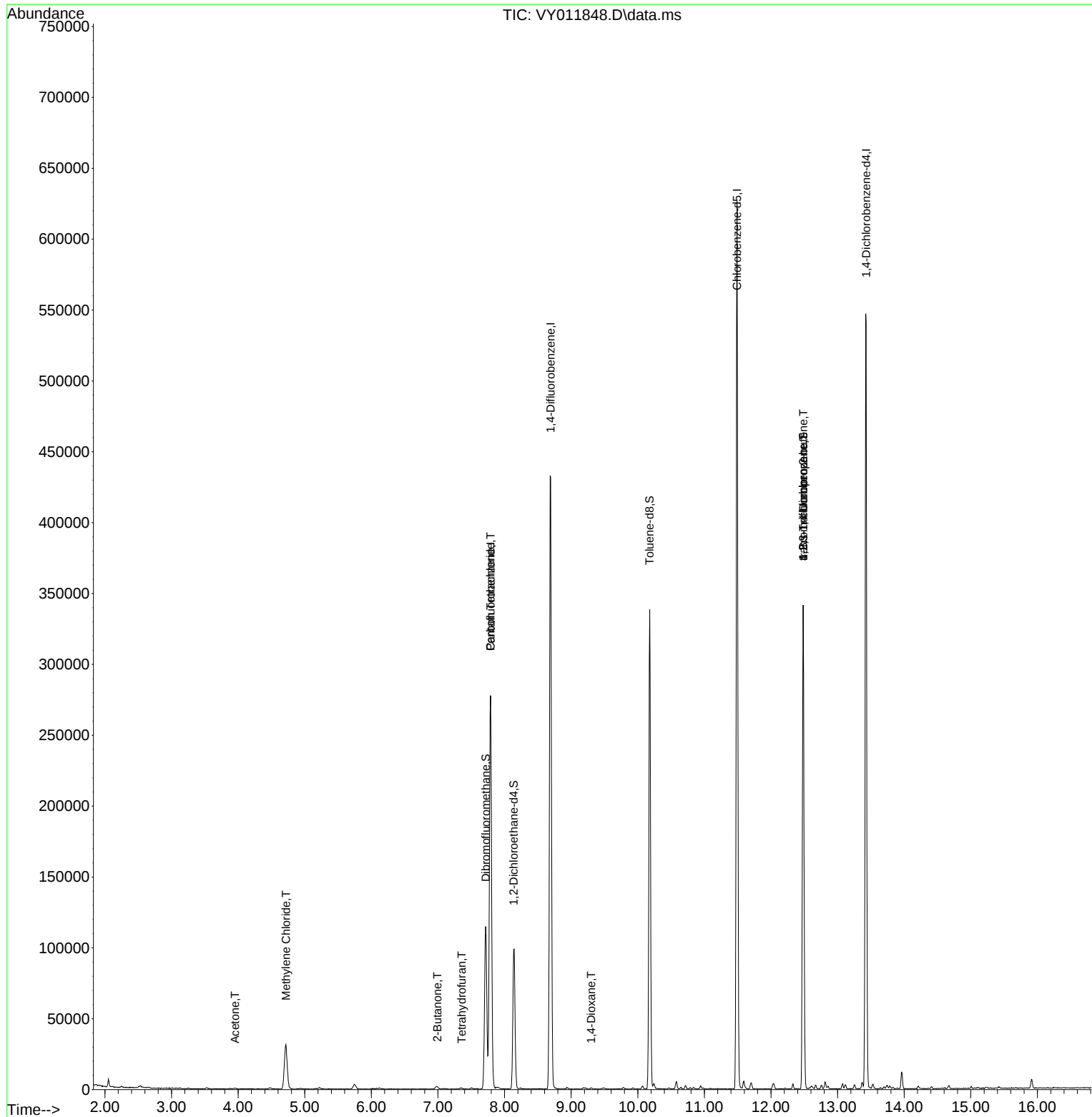
Internal Standards						
1) Pentafluorobenzene	7.789	168	217705	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	377200	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	332632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	144304	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	79450	53.850	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.700%			
35) Dibromofluoromethane	7.716	113	80889	48.120	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.240%			
50) Toluene-d8	10.179	98	224700	39.501	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 79.000%			
62) 4-Bromofluorobenzene	12.483	95	87313	38.912	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 77.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	168	Below Cal	#	41
3) Chloromethane	2.113	50	336	Below Cal	#	82
4) Vinyl Chloride	2.253	62	197	Below Cal	#	43
5) Bromomethane	2.656	94	264	Below Cal		100
11) Tert butyl alcohol	4.930	59	422	Below Cal	#	74
16) Acetone	3.954	43	1109	1.866 ug/l	#	82
18) Methyl Acetate	4.479	43	1293	Below Cal	#	84
20) Methylene Chloride	4.716	84	24275	6.342 ug/l		91
25) 2-Butanone	6.990	43	772	1.010 ug/l		97
29) Tetrahydrofuran	7.356	42	523	1.202 ug/l	#	83
31) Cyclohexane	7.789	56	4794	Below Cal	#	1
38) Carbon Tetrachloride	7.789	117	22283	6.627 ug/l	#	18
49) 1,4-Dioxane	9.301	88	20	1.165 ug/l	#	24
76) 1,2,3-Trichloropropane	12.483	75	45342	31.057 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45342	70.474 ug/l	#	13

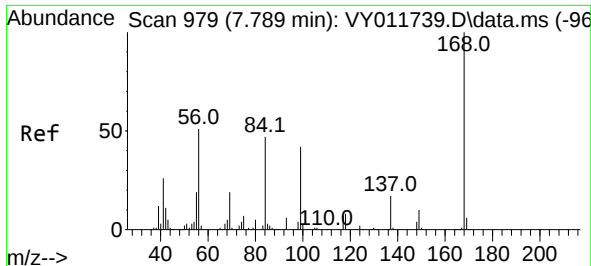
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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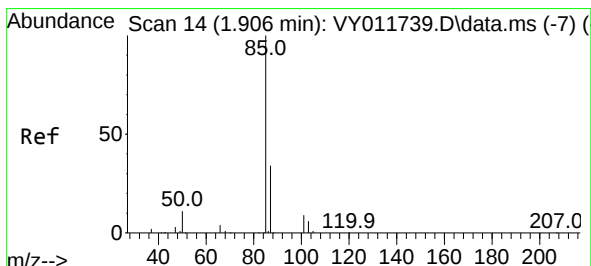
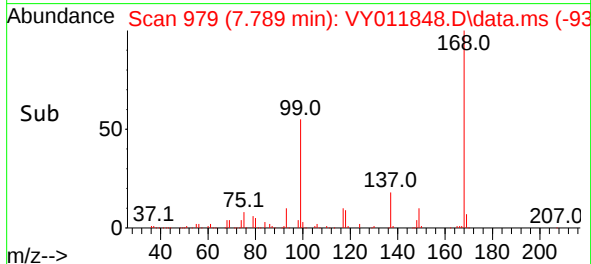
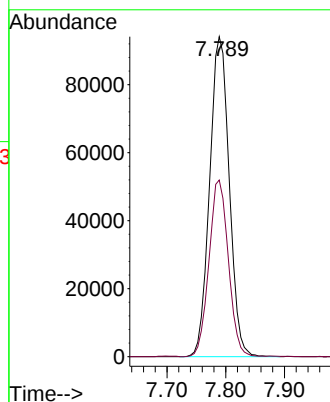
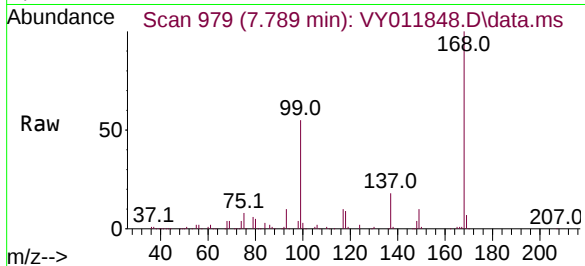




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011848.D
Acq: 14 Dec 2022 16:19

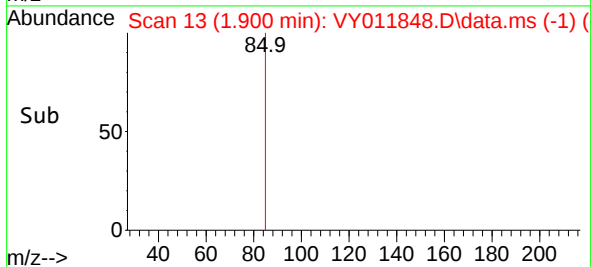
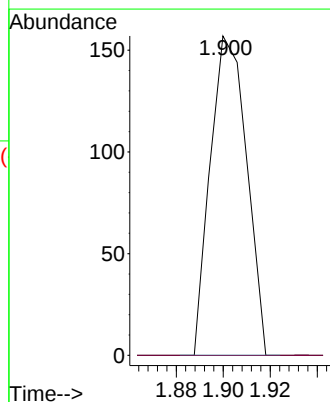
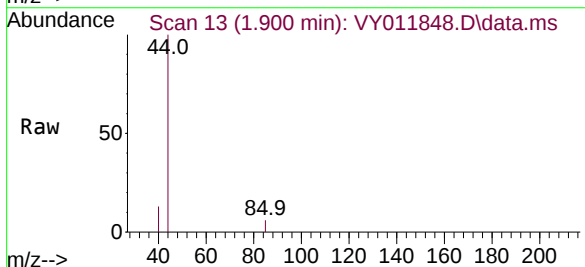
Instrument :
MSVOA_Y
ClientSampleId :
RB-29-(2.5-4.5)

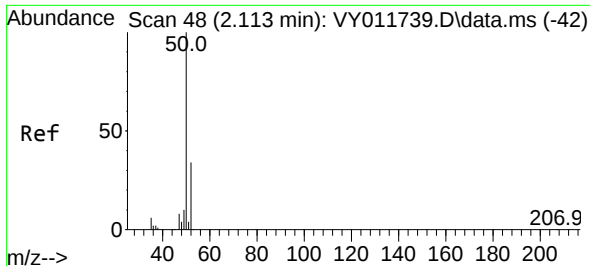
Tgt Ion:168 Resp: 217705
Ion Ratio Lower Upper
168 100
99 55.2 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011848.D
Acq: 14 Dec 2022 16:19

Tgt Ion: 85 Resp: 168
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

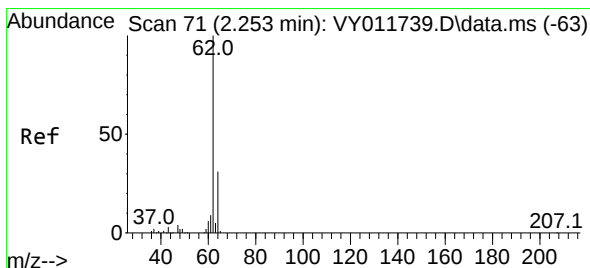
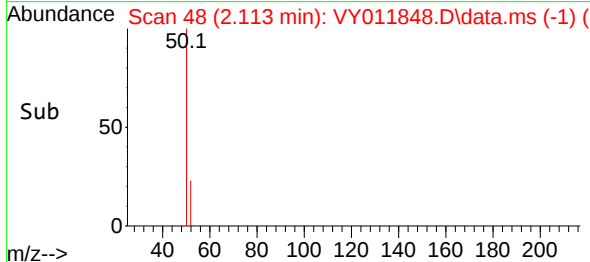
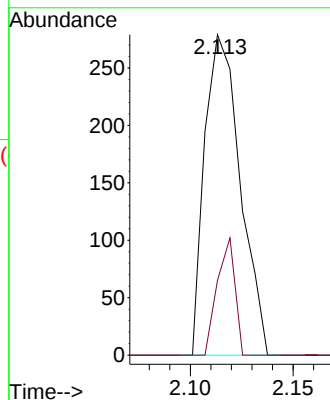
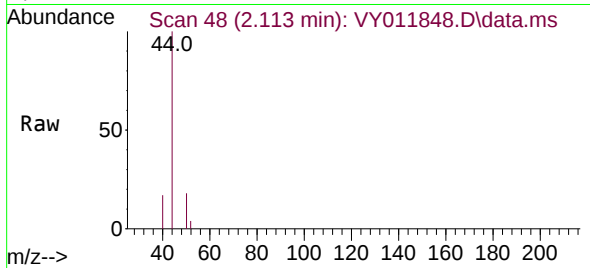




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011848.D
Acq: 14 Dec 2022 16:19

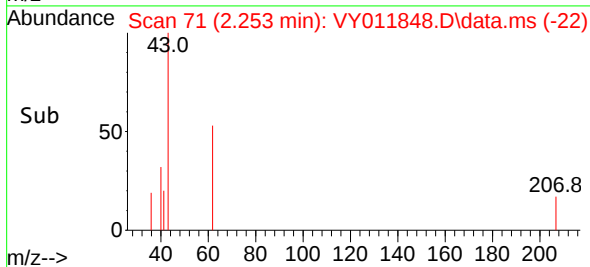
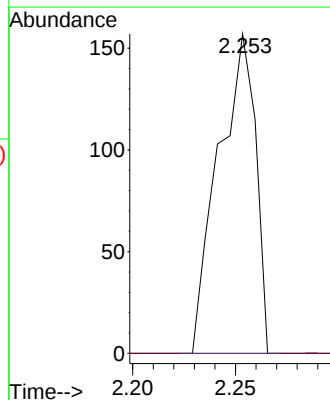
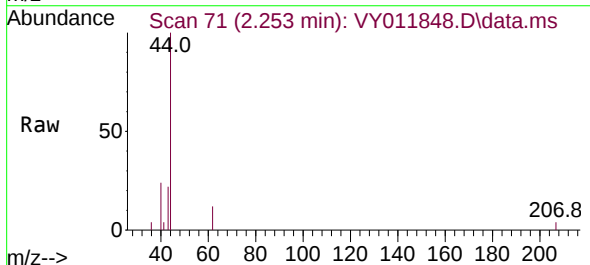
Instrument :
MSVOA_Y
ClientSampleId :
RB-29-(2.5-4.5)

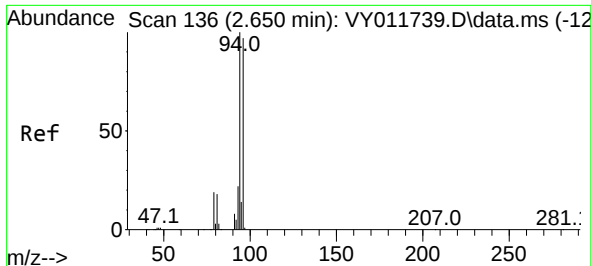
Tgt Ion: 50 Resp: 336
Ion Ratio Lower Upper
50 100
52 23.3 26.8 40.2#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.253 min Scan# 71
Delta R.T. 0.000 min
Lab File: VY011848.D
Acq: 14 Dec 2022 16:19

Tgt Ion: 62 Resp: 197
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

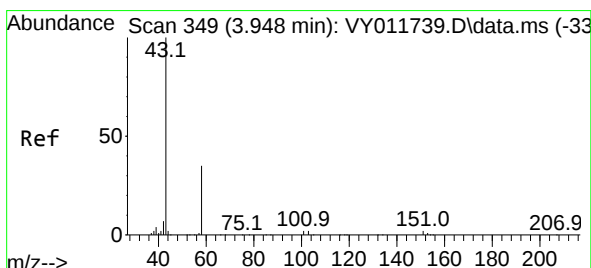
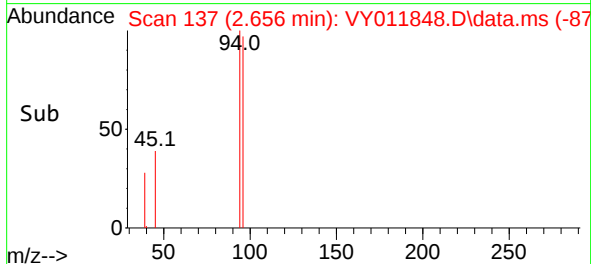
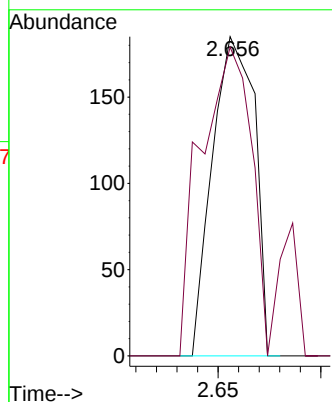
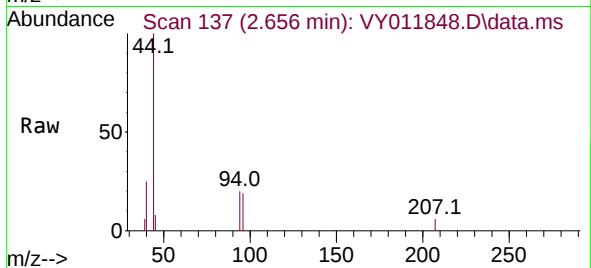




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011848.D
Acq: 14 Dec 2022 16:19

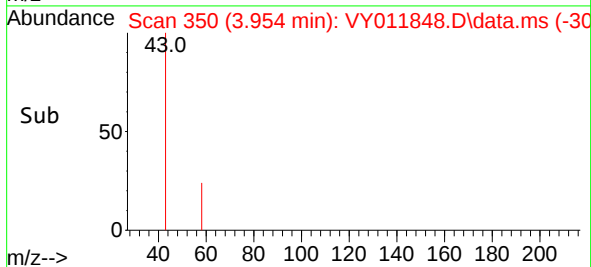
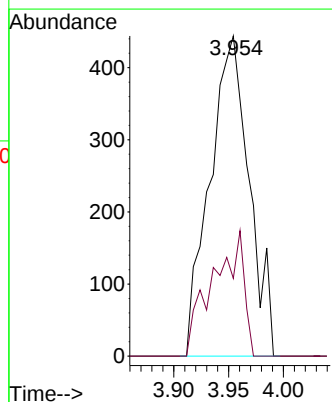
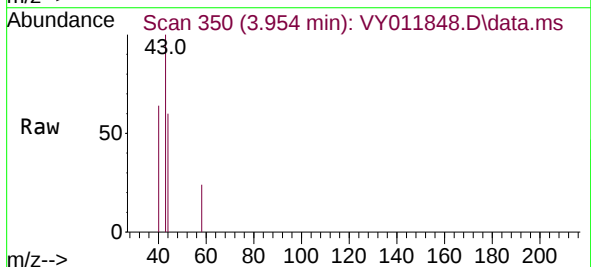
Instrument :
MSVOA_Y
ClientSampleId :
RB-29-(2.5-4.5)

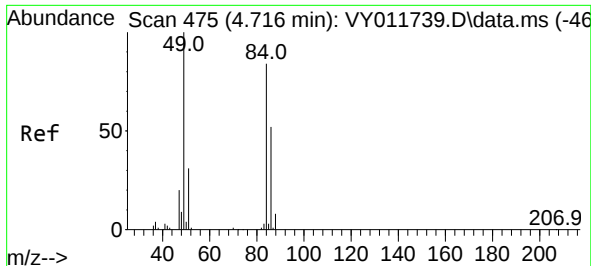
Tgt Ion: 94 Resp: 264
Ion Ratio Lower Upper
94 100
96 96.8 77.4 116.2



#16
Acetone
Concen: 1.866 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY011848.D
Acq: 14 Dec 2022 16:19

Tgt Ion: 43 Resp: 1109
Ion Ratio Lower Upper
43 100
58 24.3 27.9 41.9#

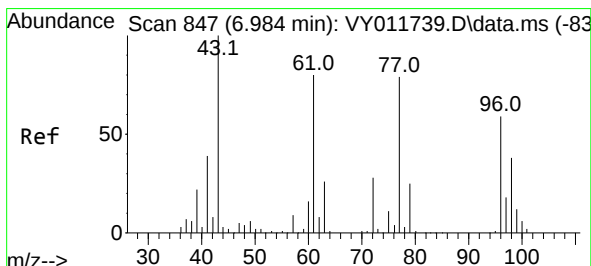
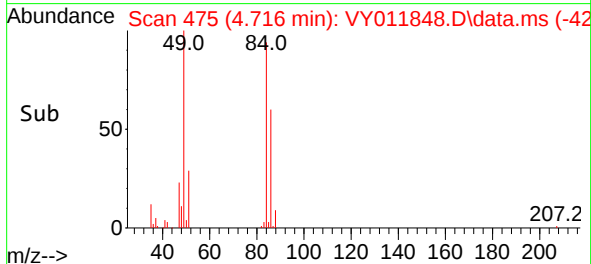
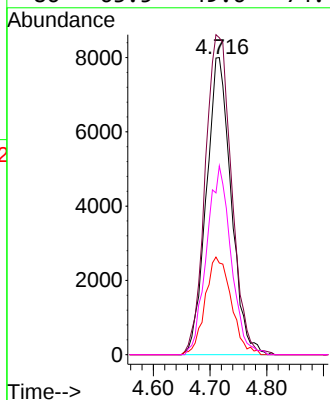
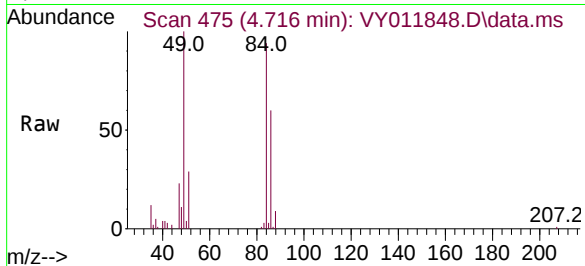




#20
Methylene Chloride
Concen: 6.342 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011848.D
Acq: 14 Dec 2022 16:19

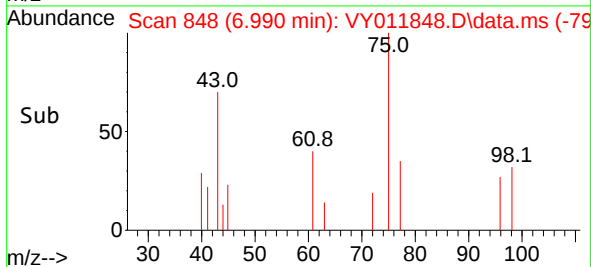
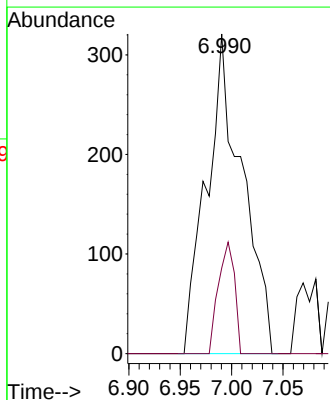
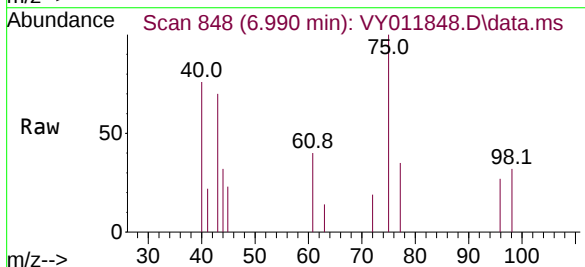
Instrument :
MSVOA_Y
ClientSampleId :
RB-29-(2.5-4.5)

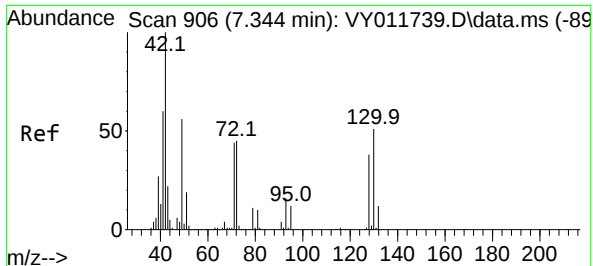
Tgt Ion:	84	Resp:	24275
Ion	Ratio	Lower	Upper
84	100		
49	106.7	95.4	143.2
51	30.9	29.9	44.9
86	63.5	49.6	74.4



#25
2-Butanone
Concen: 1.010 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY011848.D
Acq: 14 Dec 2022 16:19

Tgt Ion:	43	Resp:	772
Ion	Ratio	Lower	Upper
43	100		
72	26.8	22.6	34.0





#29

Tetrahydrofuran

Concen: 1.202 ug/l

RT: 7.356 min Scan# 906

Delta R.T. 0.012 min

Lab File: VY011848.D

Acq: 14 Dec 2022 16:19

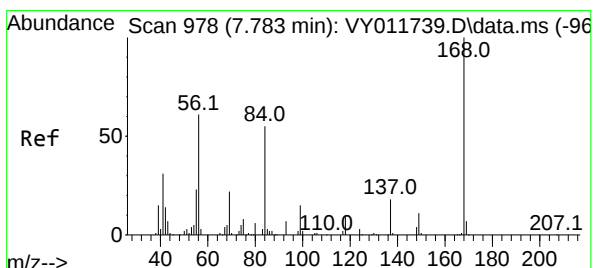
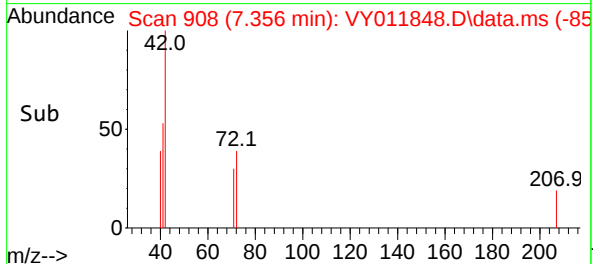
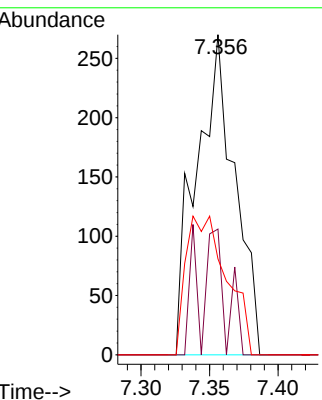
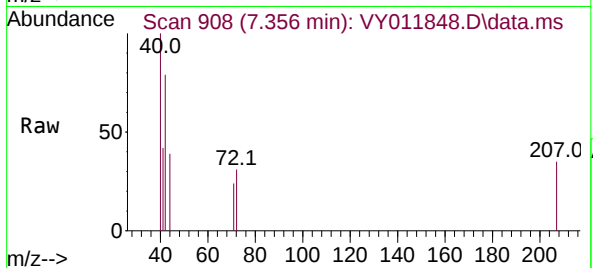
Instrument :

MSVOA_Y

ClientSampleId :

RB-29-(2.5-4.5)

Tgt Ion:	42	Resp:	523
Ion	Ratio	Lower	Upper
42	100		
72	27.3	37.0	55.6#
71	46.5	34.9	52.3



#31

Cyclohexane

Concen: Below Cal

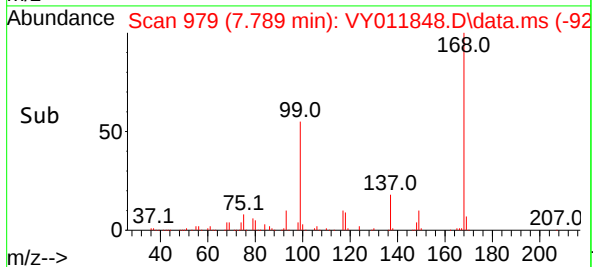
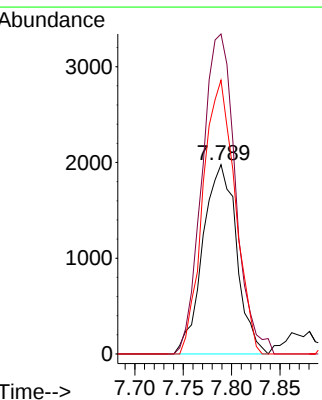
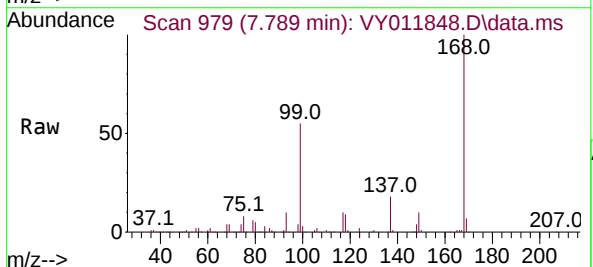
RT: 7.789 min Scan# 979

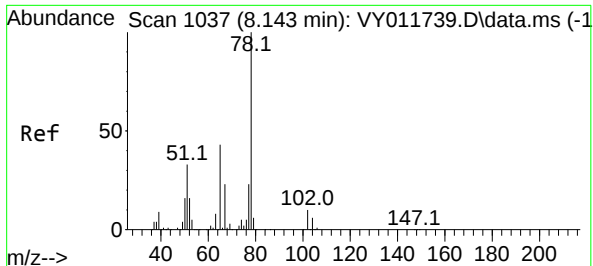
Delta R.T. 0.006 min

Lab File: VY011848.D

Acq: 14 Dec 2022 16:19

Tgt Ion:	56	Resp:	4794
Ion	Ratio	Lower	Upper
56	100		
69	169.0	29.2	43.8#
84	144.7	72.6	108.8#





#33

1,2-Dichloroethane-d4

Concen: 53.850 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY011848.D

Acq: 14 Dec 2022 16:19

Instrument :

MSVOA_Y

ClientSampleId :

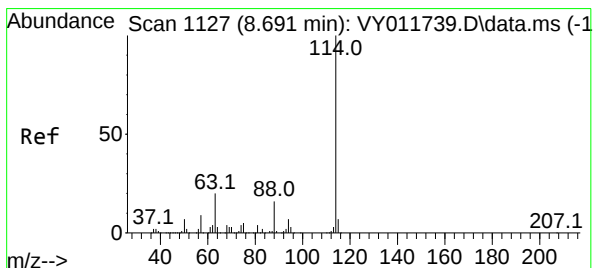
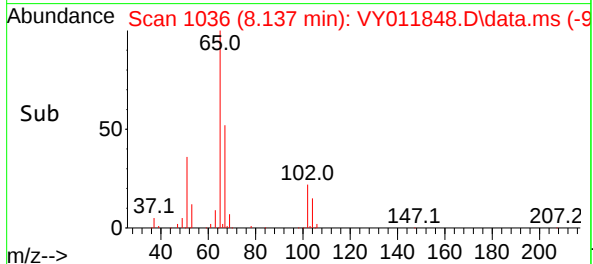
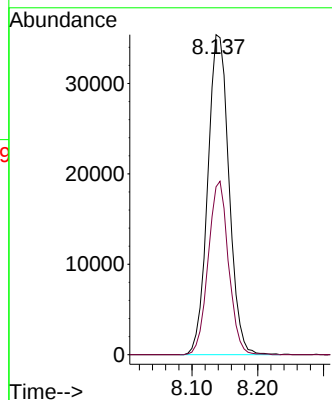
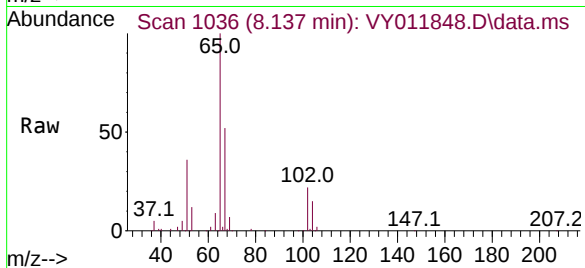
RB-29-(2.5-4.5)

Tgt Ion: 65 Resp: 79450

Ion Ratio Lower Upper

65 100

67 51.9 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: VY011848.D

Acq: 14 Dec 2022 16:19

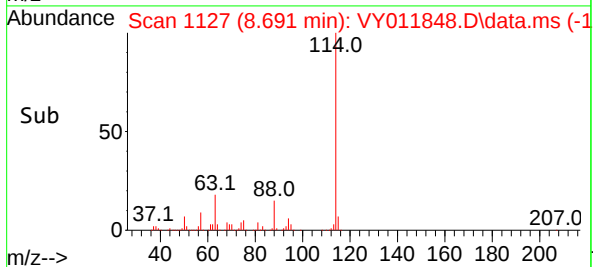
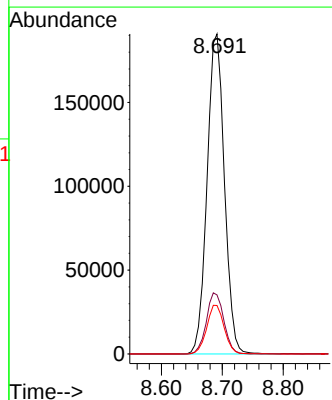
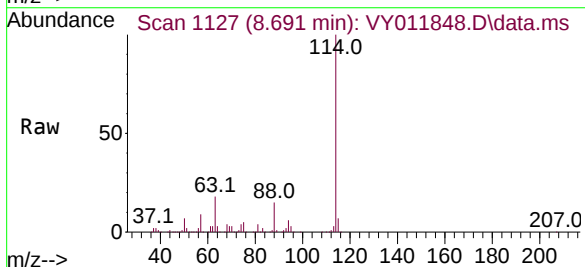
Tgt Ion: 114 Resp: 377200

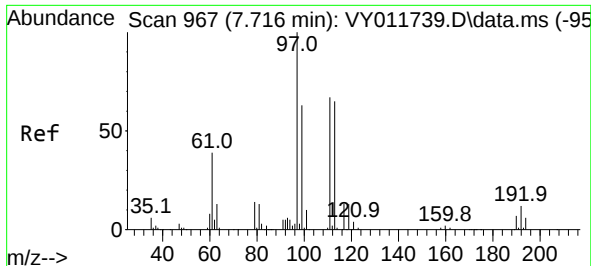
Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

88 15.1 0.0 32.2

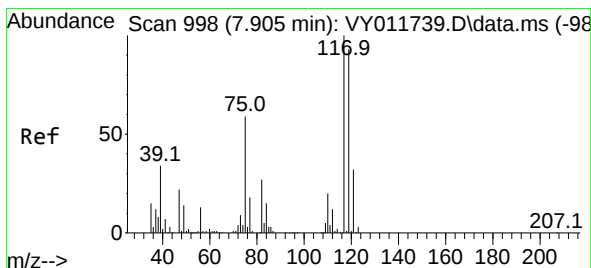
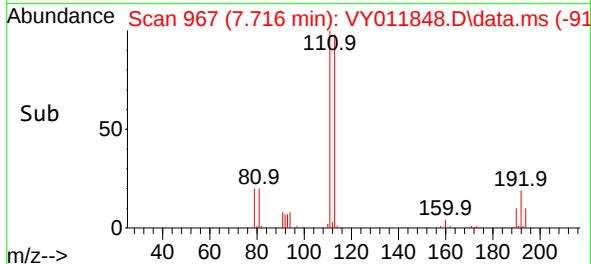
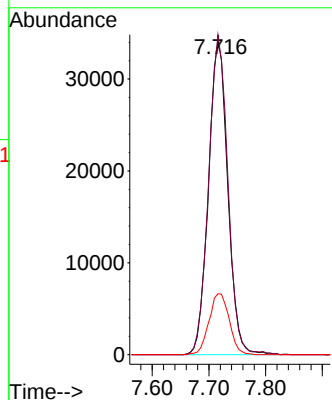
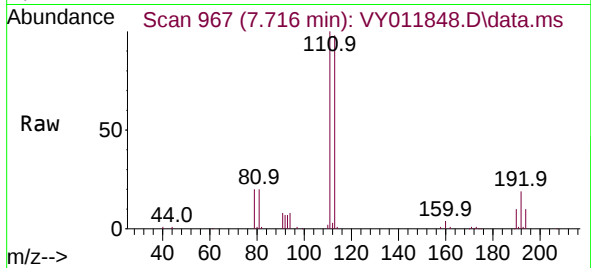




#35
Dibromofluoromethane
Concen: 48.120 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011848.D
Acq: 14 Dec 2022 16:19

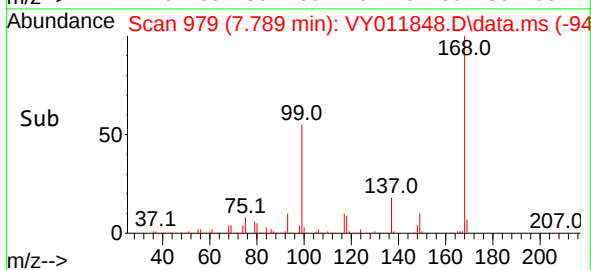
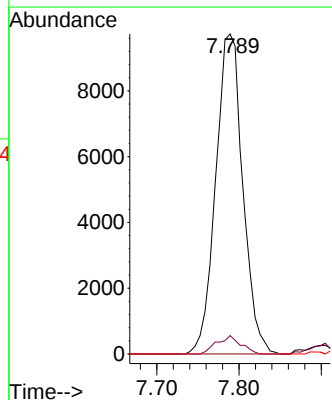
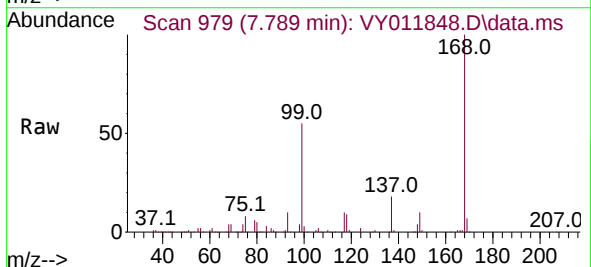
Instrument :
MSVOA_Y
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RB-29-(2.5-4.5)

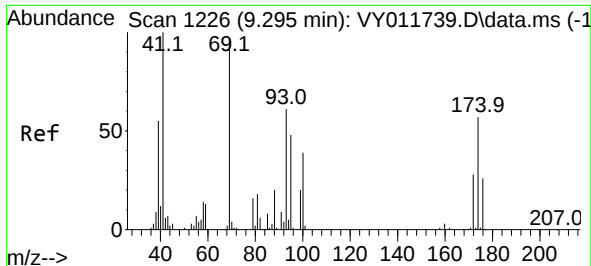
Tgt Ion:113 Resp: 80889
Ion Ratio Lower Upper
113 100
111 101.9 83.0 124.4
192 20.4 16.0 24.0



#38
Carbon Tetrachloride
Concen: 6.627 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY011848.D
Acq: 14 Dec 2022 16:19

Tgt Ion:117 Resp: 22283
Ion Ratio Lower Upper
117 100
119 5.7 73.8 110.8#
121 0.0 25.2 37.8#





#49

1,4-Dioxane

Concen: 1.165 ug/l

RT: 9.301 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY011848.D

Acq: 14 Dec 2022 16:19

Instrument :

MSVOA_Y

ClientSampleId :

RB-29-(2.5-4.5)

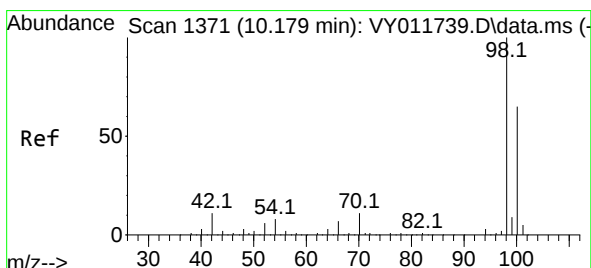
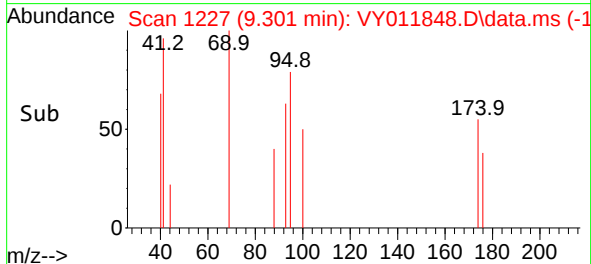
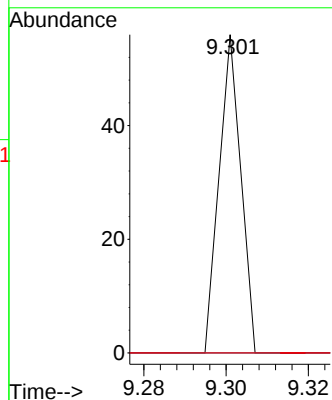
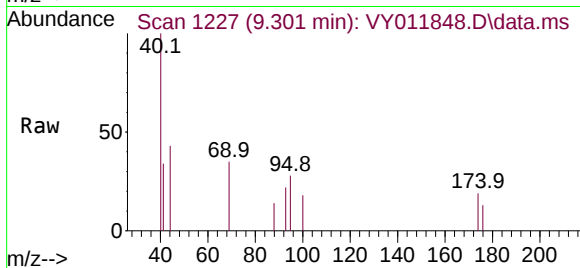
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 26.2 39.2#

58 0.0 54.3 81.5#



#50

Toluene-d8

Concen: 39.501 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY011848.D

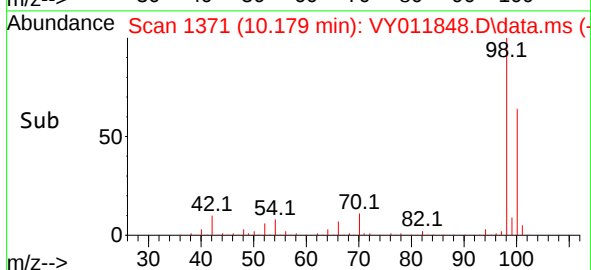
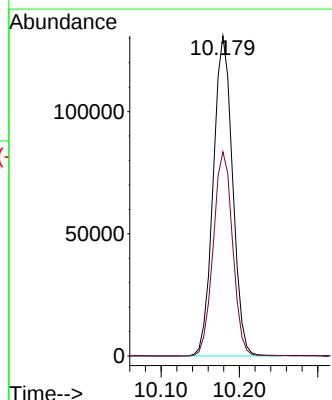
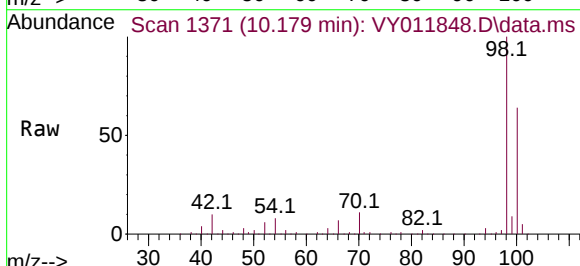
Acq: 14 Dec 2022 16:19

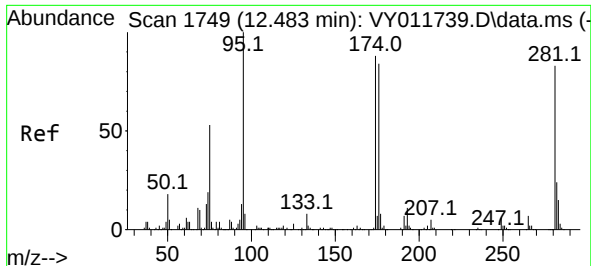
Tgt Ion: 98 Resp: 224700

Ion Ratio Lower Upper

98 100

100 63.8 51.9 77.9

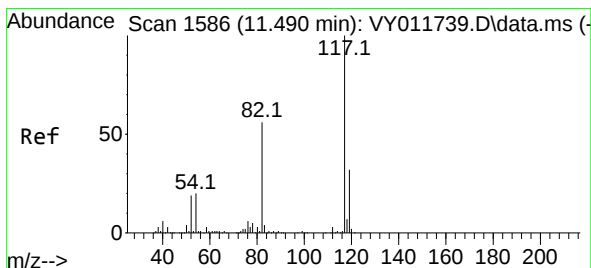
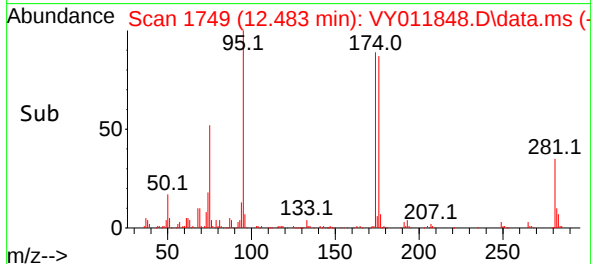
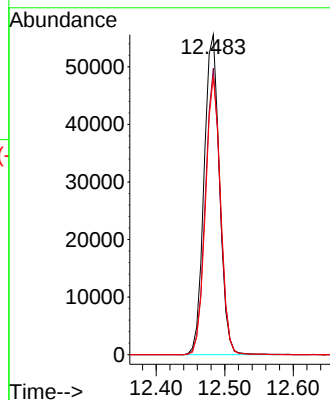
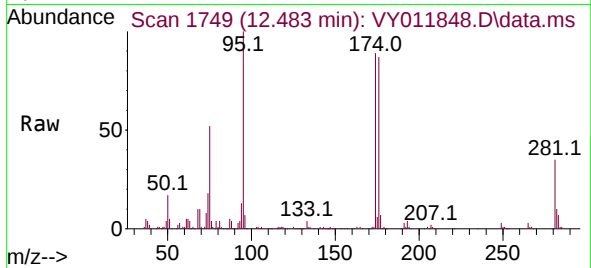




#62
4-Bromofluorobenzene
Concen: 38.912 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011848.D
Acq: 14 Dec 2022 16:19

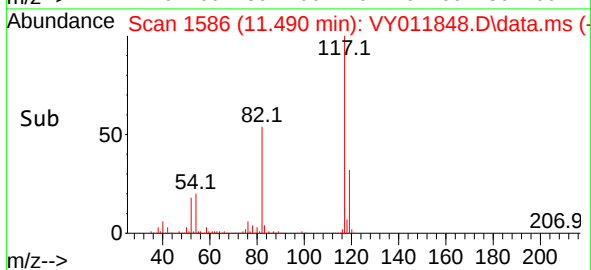
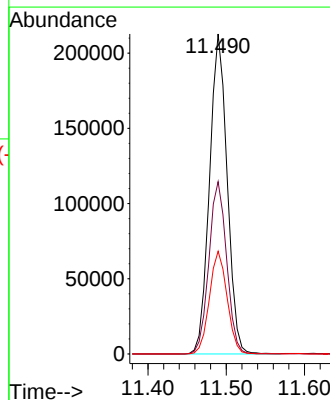
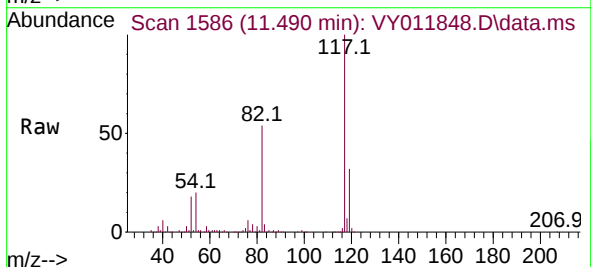
Instrument :
MSVOA_Y
ClientSampleId :
RB-29-(2.5-4.5)

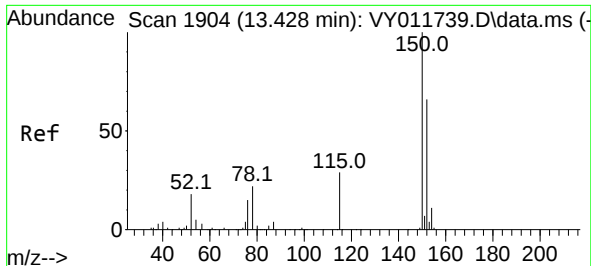
Tgt Ion: 95 Resp: 87313
Ion Ratio Lower Upper
95 100
174 86.2 0.0 172.0
176 84.7 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY011848.D
Acq: 14 Dec 2022 16:19

Tgt Ion: 117 Resp: 332632
Ion Ratio Lower Upper
117 100
82 53.9 44.8 67.2
119 32.1 25.4 38.2

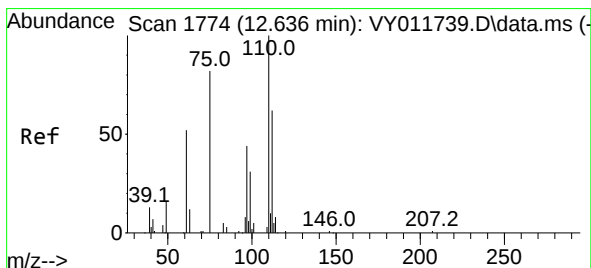
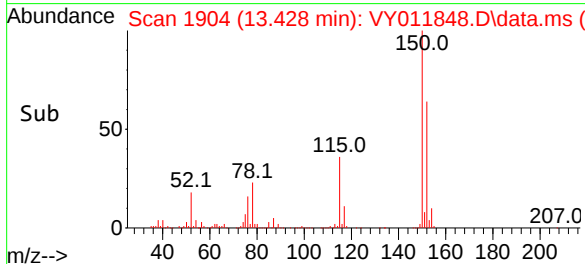
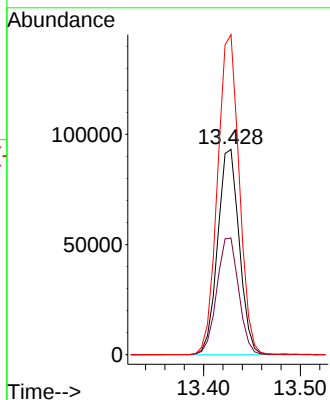
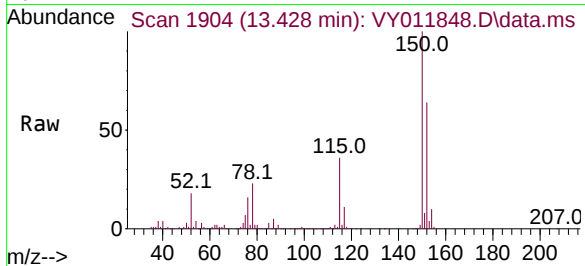




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY011848.D
 Acq: 14 Dec 2022 16:19

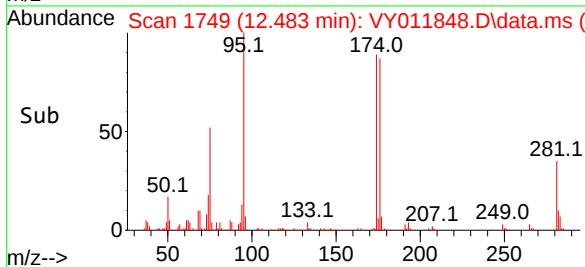
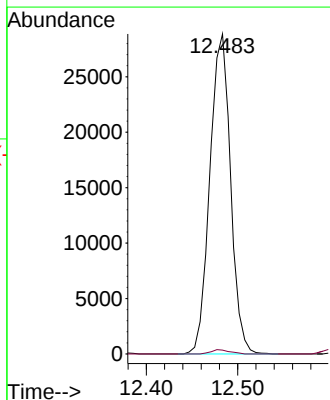
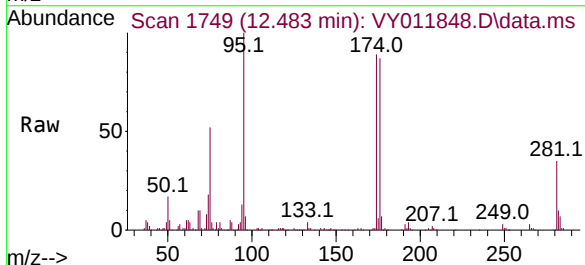
Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-29-(2.5-4.5)

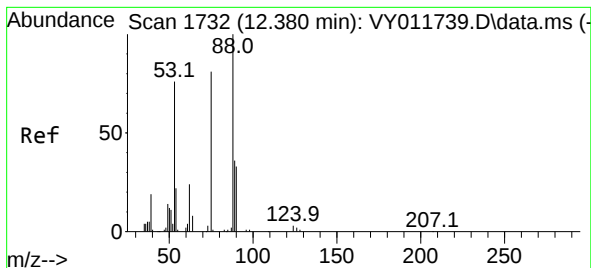
Tgt Ion:152 Resp: 144304
 Ion Ratio Lower Upper
 152 100
 115 57.9 29.1 87.3
 150 156.6 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 31.057 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY011848.D
 Acq: 14 Dec 2022 16:19

Tgt Ion: 75 Resp: 45342
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 70.474 ug/l

RT: 12.483 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY011848.D

Acq: 14 Dec 2022 16:19

Instrument :

MSVOA_Y

ClientSampleId :

RB-29-(2.5-4.5)

Tgt Ion: 75 Resp: 45342

Ion Ratio Lower Upper

75 100

53 0.0 72.5 108.7#

89 0.4 37.0 55.4#

