

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122022\
 Data File : VY011935.D
 Acq On : 20 Dec 2022 20:17
 Operator : KP/MD
 Sample : N6038-27
 Misc : 5.18g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-42-(3-5)

Quant Time: Dec 21 00:11:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

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

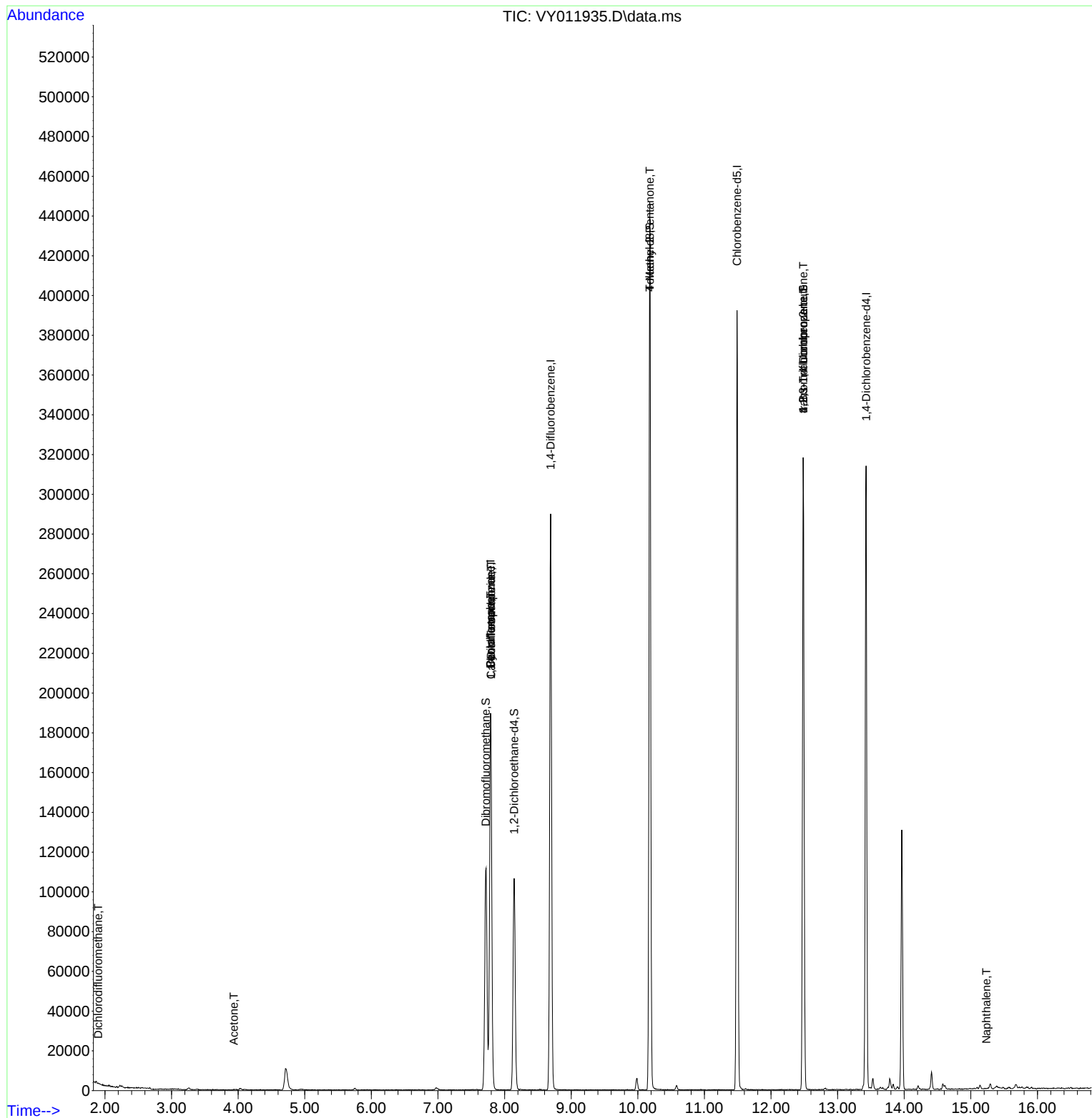
Internal Standards						
1) Pentafluorobenzene	7.789	168	150799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	246814	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	216827	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	85091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	86576	56.985	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.980%			
35) Dibromofluoromethane	7.716	113	79182	53.289	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.580%			
50) Toluene-d8	10.179	98	298871	49.575	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.160%			
62) 4-Bromofluorobenzene	12.483	95	82570	40.724	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 81.440%			
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.900	85	22	2.485	ug/l #	41
11) Tert butyl alcohol	4.972	59	1103	Below Cal	#	74
16) Acetone	3.936	43	123	5.140	ug/l #	40
20) Methylene Chloride	4.722	84	8281	Below Cal		99
31) Cyclohexane	7.789	56	2921	1.142	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	10964	4.600	ug/l #	49
38) Carbon Tetrachloride	7.795	117	15225	5.531	ug/l #	17
51) 4-Methyl-2-Pentanone	10.179	43	1143	1.098	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	43078	40.685	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	43078	111.416	ug/l #	13
95) Naphthalene	15.233	128	393	2.897	ug/l #	69

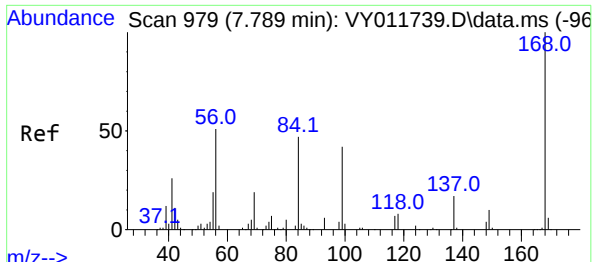
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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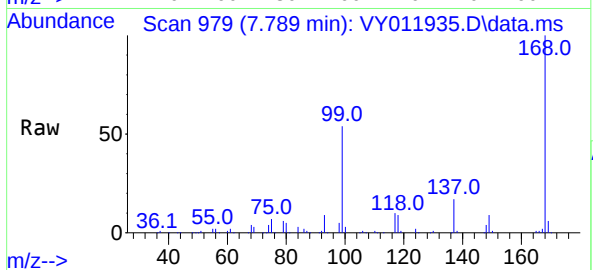
Quant Time: Dec 21 00:11:14 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 20 12:37:37 2022
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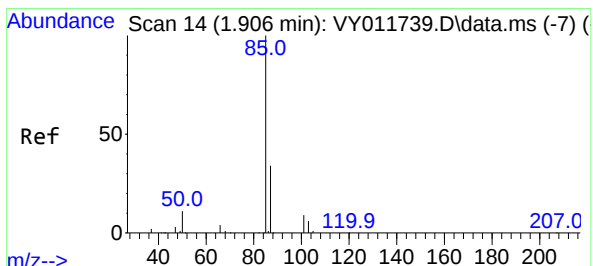
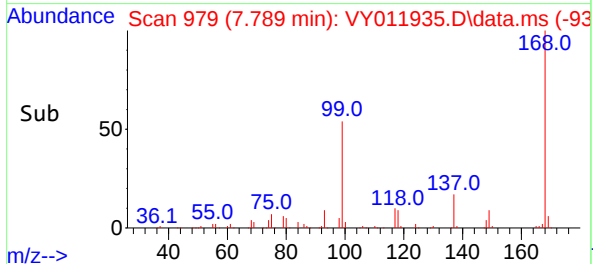
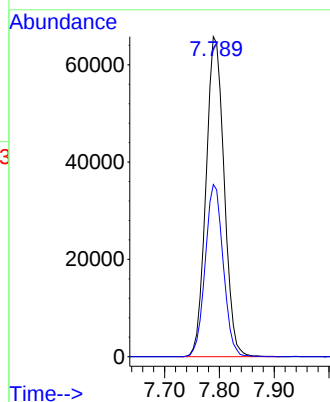


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011935.D
Acq: 20 Dec 2022 20:17

Instrument :
MSVOA_Y
ClientSampleId :
RB-42-(3-5)

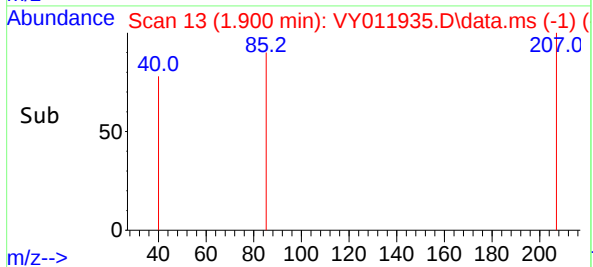
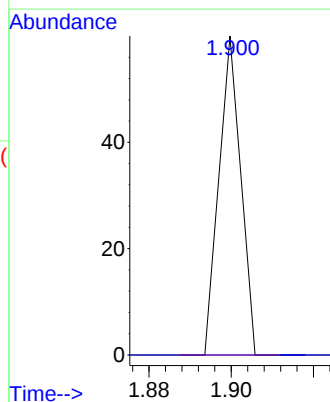
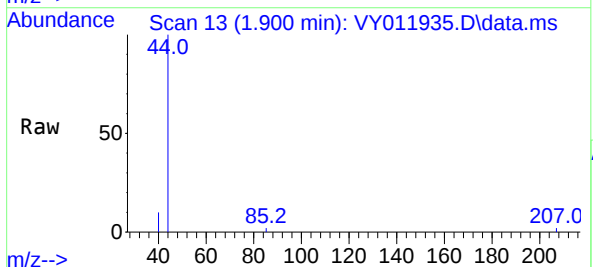


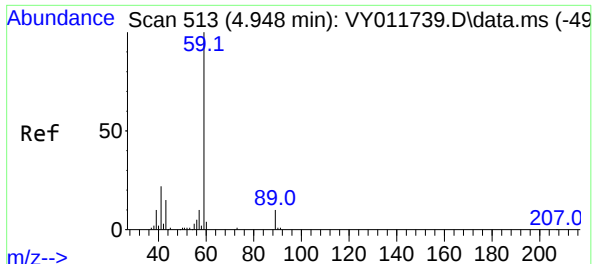
Tgt Ion:168 Resp: 150799
Ion Ratio Lower Upper
168 100
99 53.8 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.485 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011935.D
Acq: 20 Dec 2022 20:17

Tgt Ion: 85 Resp: 22
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.972 min Scan# 51

Delta R.T. 0.024 min

Lab File: VY011935.D

Acq: 20 Dec 2022 20:17

Instrument :

MSVOA_Y

ClientSampleId :

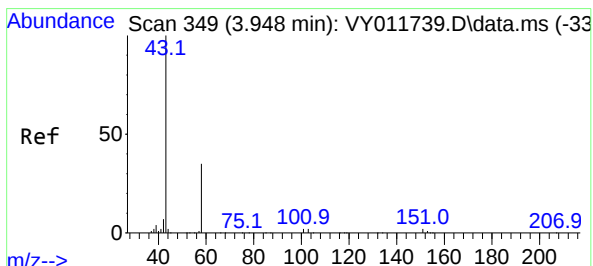
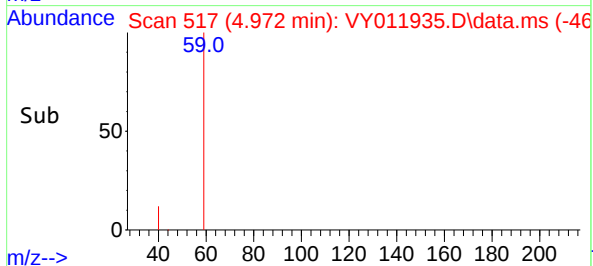
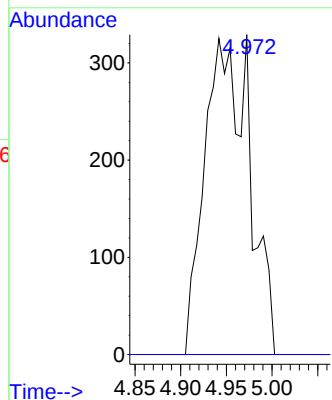
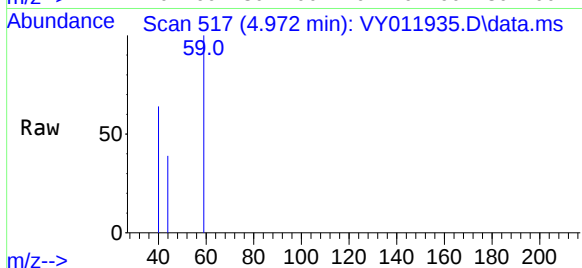
RB-42-(3-5)

Tgt Ion: 59 Resp: 1103

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 5.140 ug/l

RT: 3.936 min Scan# 347

Delta R.T. -0.012 min

Lab File: VY011935.D

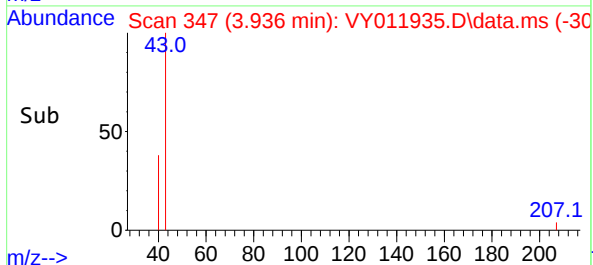
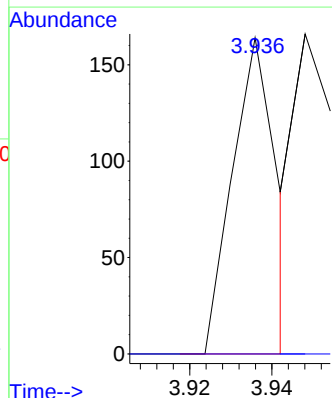
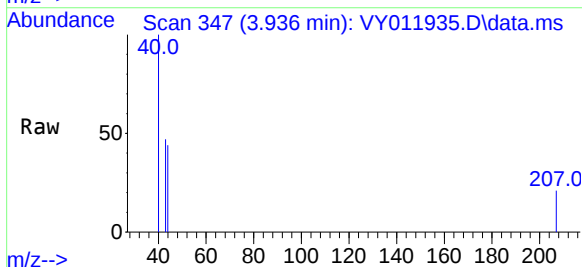
Acq: 20 Dec 2022 20:17

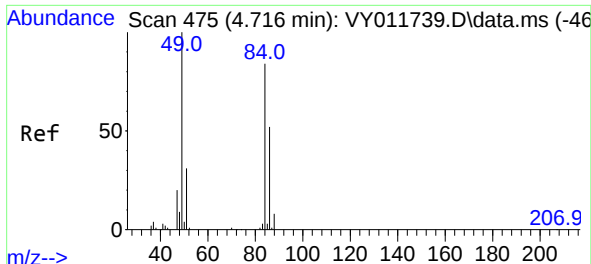
Tgt Ion: 43 Resp: 123

Ion Ratio Lower Upper

43 100

58 0.0 27.9 41.9#



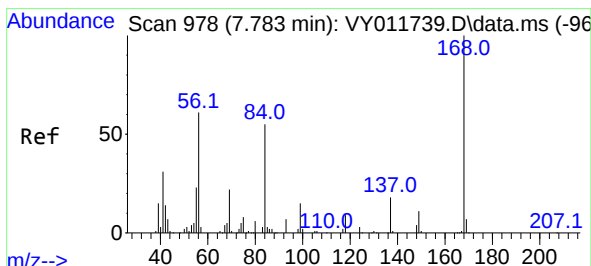
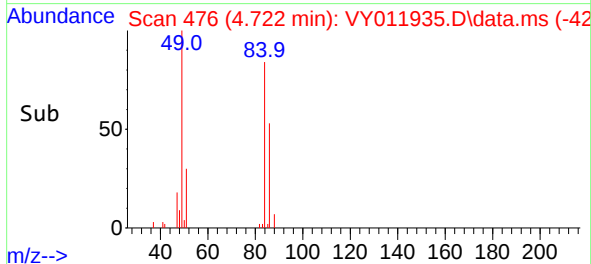
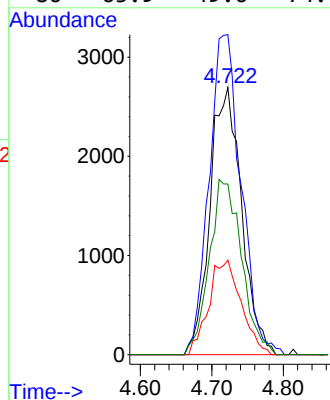
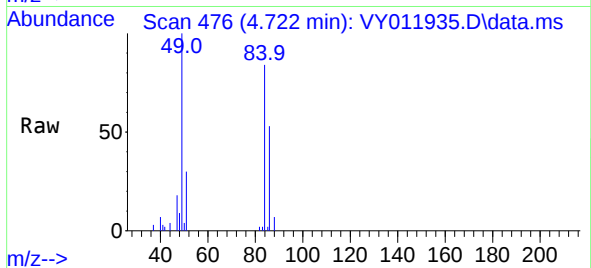


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011935.D
Acq: 20 Dec 2022 20:17

Instrument :
MSVOA_Y
ClientSampleId :
RB-42-(3-5)

Tgt Ion: 84 Resp: 8281

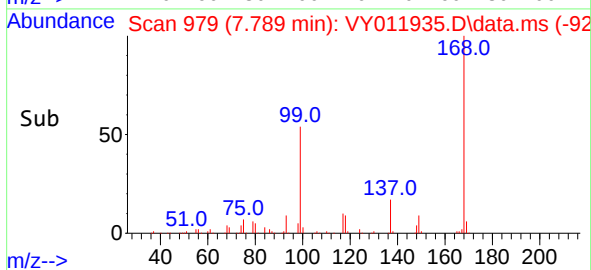
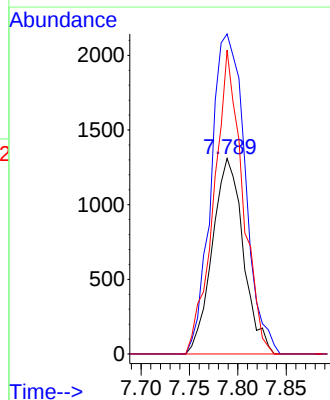
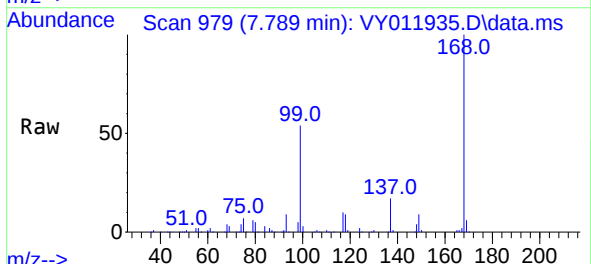
Ion	Ratio	Lower	Upper
84	100		
49	119.7	95.4	143.2
51	35.4	29.9	44.9
86	63.9	49.6	74.4

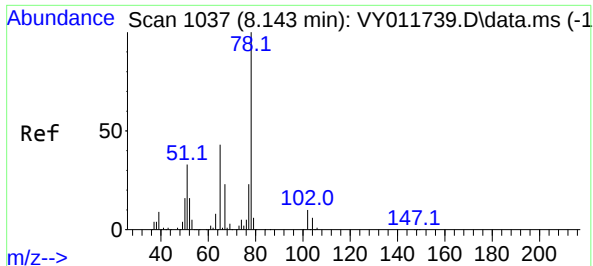


#31
Cyclohexane
Concen: 1.142 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011935.D
Acq: 20 Dec 2022 20:17

Tgt Ion: 56 Resp: 2921

Ion	Ratio	Lower	Upper
56	100		
69	163.7	29.2	43.8#
84	155.5	72.6	108.8#





#33

1,2-Dichloroethane-d4

Concen: 56.985 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011935.D

Acq: 20 Dec 2022 20:17

Instrument :

MSVOA_Y

ClientSampleId :

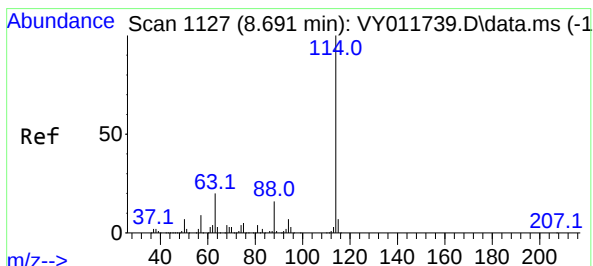
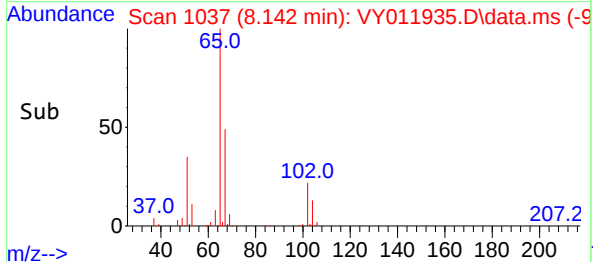
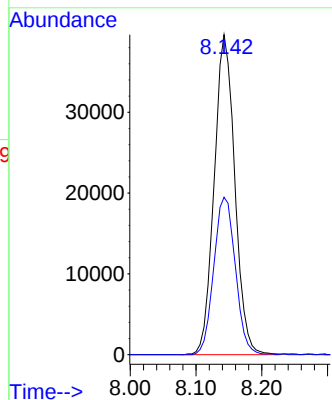
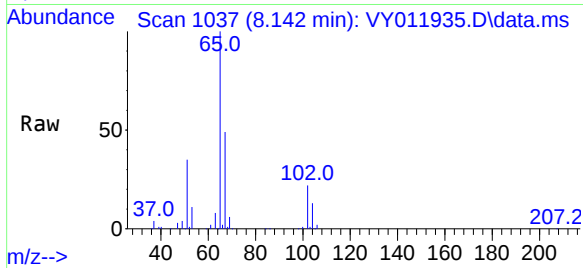
RB-42-(3-5)

Tgt Ion: 65 Resp: 86576

Ion Ratio Lower Upper

65 100

67 51.4 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: VY011935.D

Acq: 20 Dec 2022 20:17

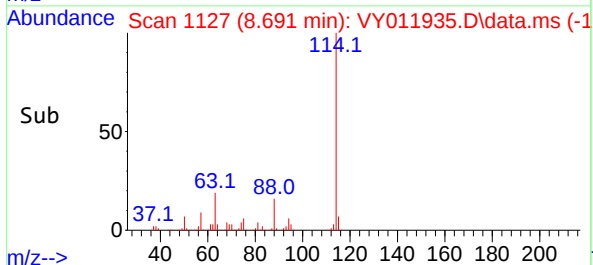
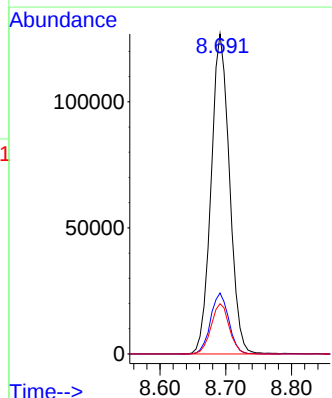
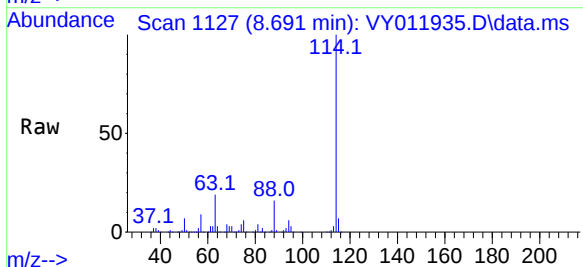
Tgt Ion: 114 Resp: 246814

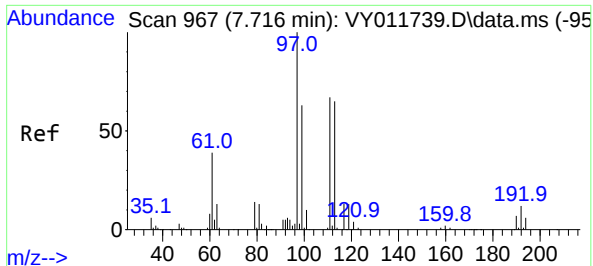
Ion Ratio Lower Upper

114 100

63 19.0 0.0 39.6

88 15.7 0.0 32.2

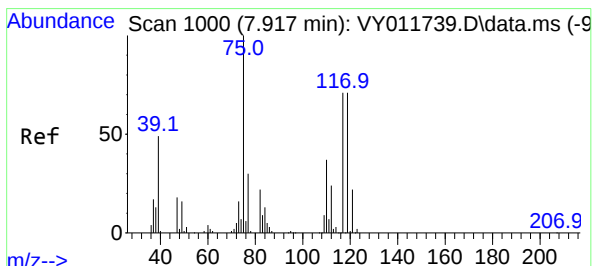
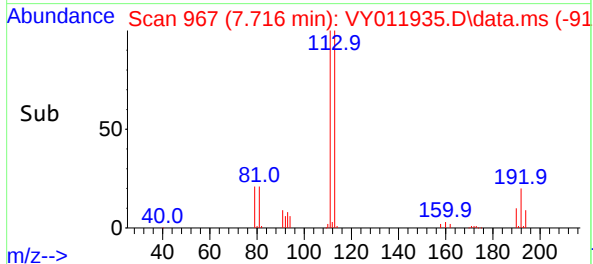
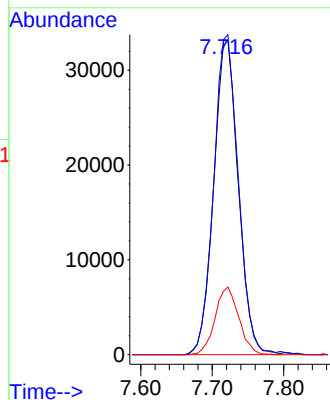
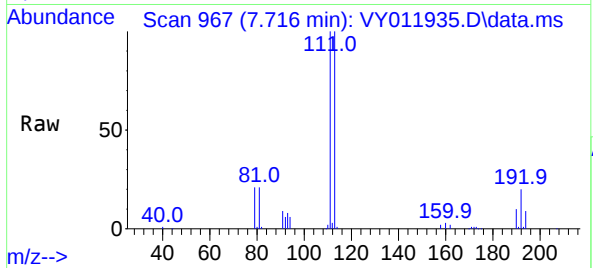




#35
Dibromofluoromethane
Concen: 53.289 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011935.D
Acq: 20 Dec 2022 20:17

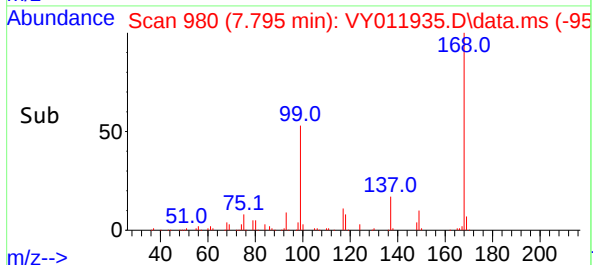
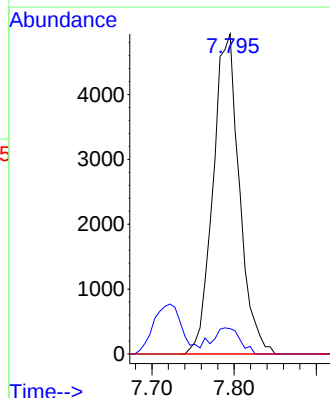
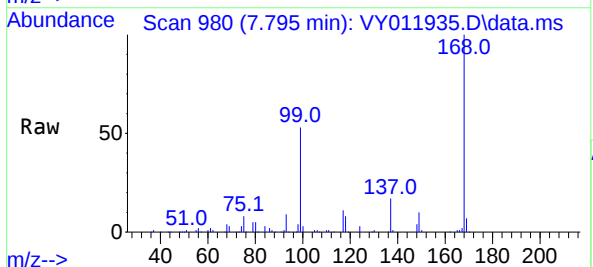
Instrument :
MSVOA_Y
ClientSampleId :
RB-42-(3-5)

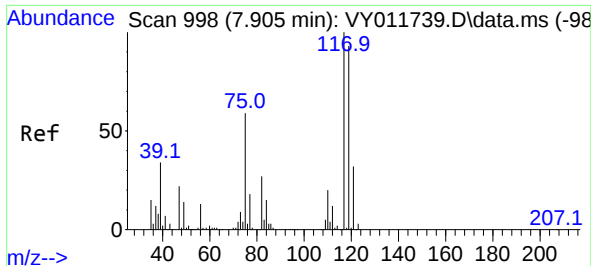
Tgt Ion:113 Resp: 79182
Ion Ratio Lower Upper
113 100
111 102.3 83.0 124.4
192 20.7 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.600 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.122 min
Lab File: VY011935.D
Acq: 20 Dec 2022 20:17

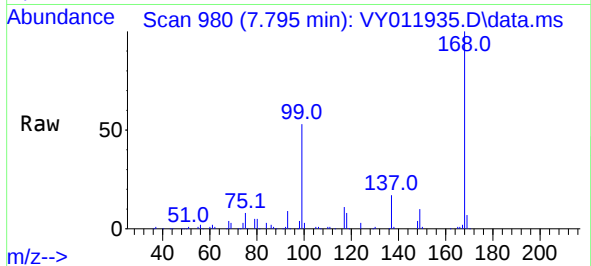
Tgt Ion: 75 Resp: 10964
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.1#
77 0.0 25.1 37.7#



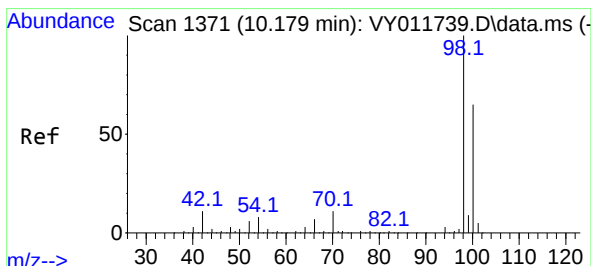
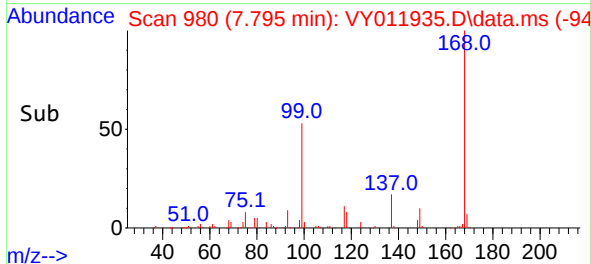
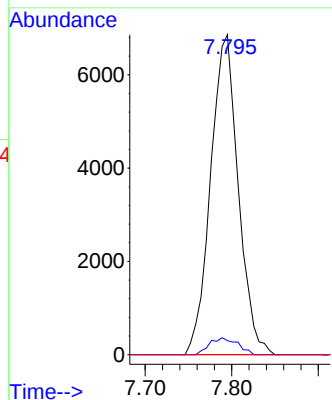


#38
Carbon Tetrachloride
Concen: 5.531 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011935.D
Acq: 20 Dec 2022 20:17

Instrument :
MSVOA_Y
ClientSampleId :
RB-42-(3-5)

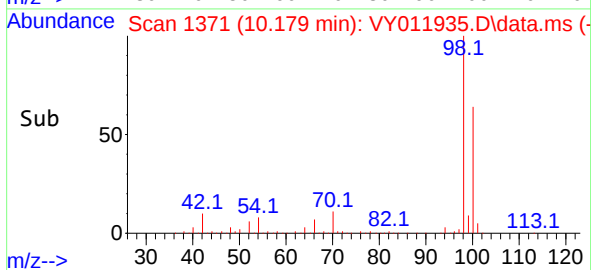
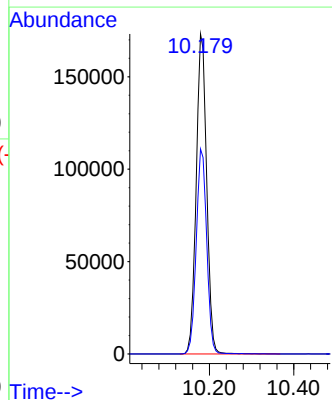
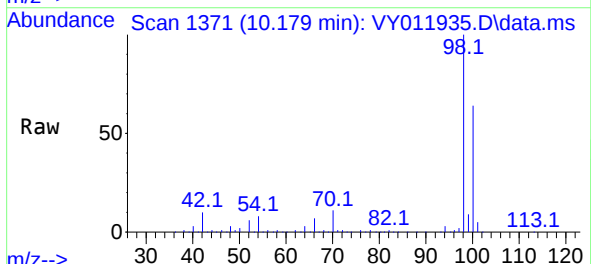


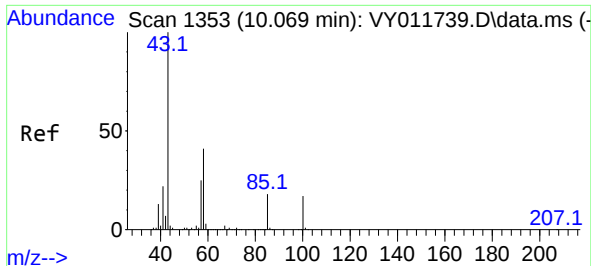
Tgt Ion:117 Resp: 15225
Ion Ratio Lower Upper
117 100
119 4.4 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 49.575 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011935.D
Acq: 20 Dec 2022 20:17

Tgt Ion: 98 Resp: 298871
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

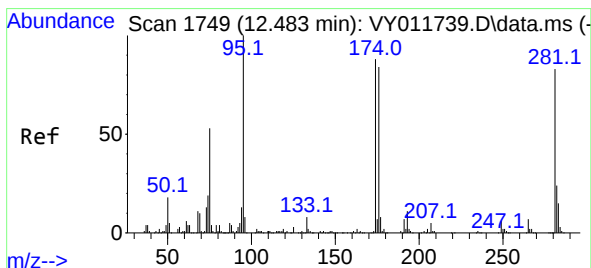
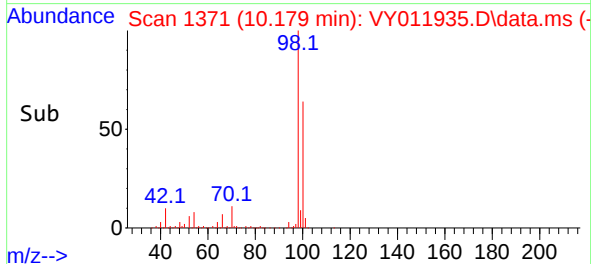
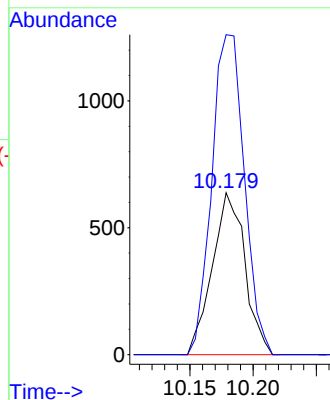
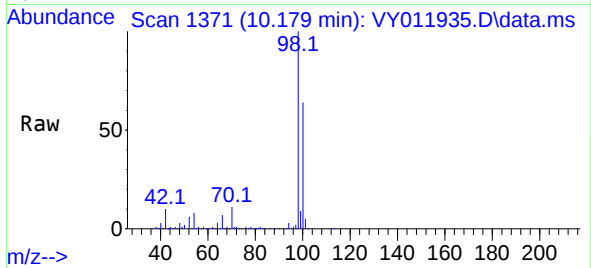




#51
4-Methyl-2-Pentanone
Concen: 1.098 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY011935.D
Acq: 20 Dec 2022 20:17

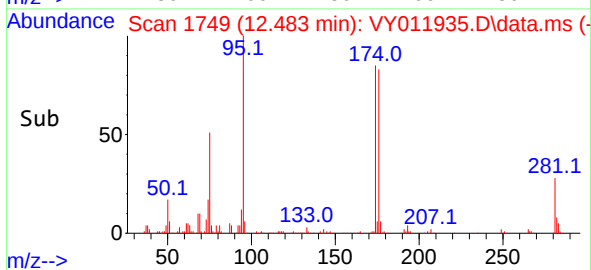
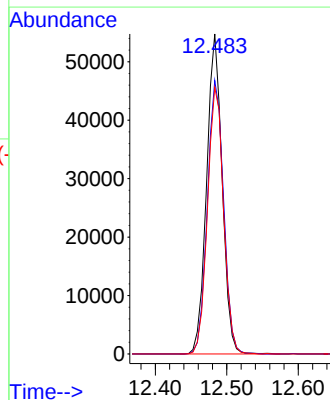
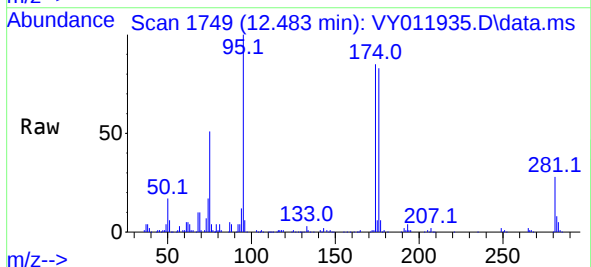
Instrument :
MSVOA_Y
ClientSampleId :
RB-42-(3-5)

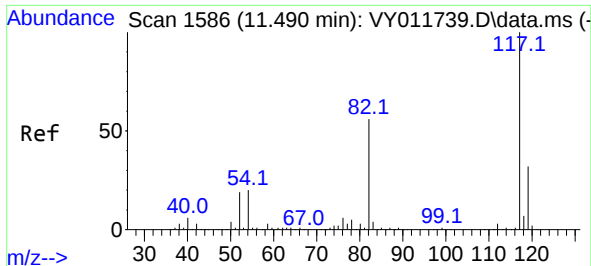
Tgt Ion: 43 Resp: 1143
Ion Ratio Lower Upper
43 100
58 197.7 32.9 49.3#



#62
4-Bromofluorobenzene
Concen: 40.724 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011935.D
Acq: 20 Dec 2022 20:17

Tgt Ion: 95 Resp: 82570
Ion Ratio Lower Upper
95 100
174 89.4 0.0 172.0
176 86.2 0.0 167.6

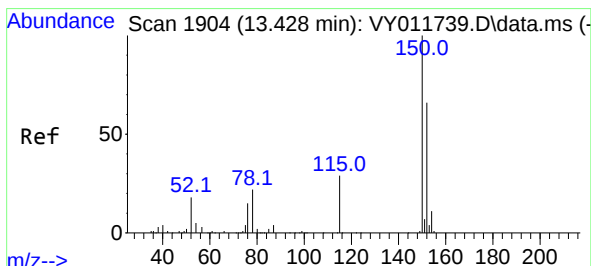
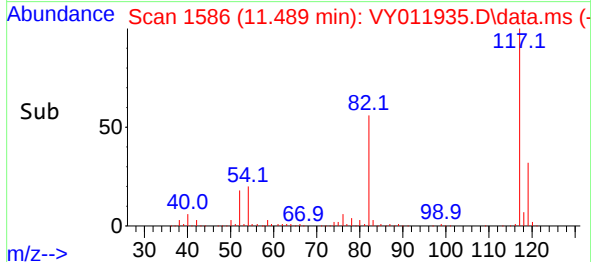
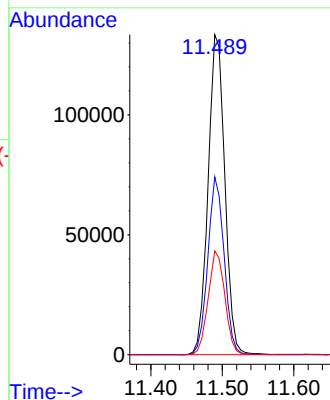
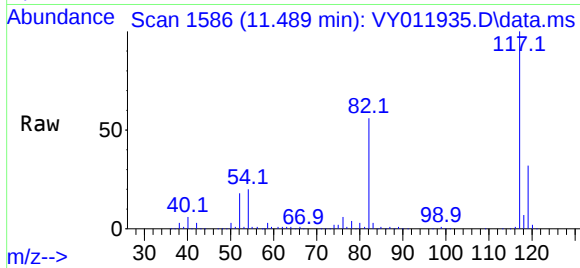




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011935.D
Acq: 20 Dec 2022 20:17

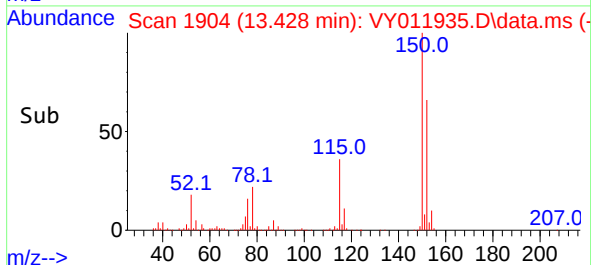
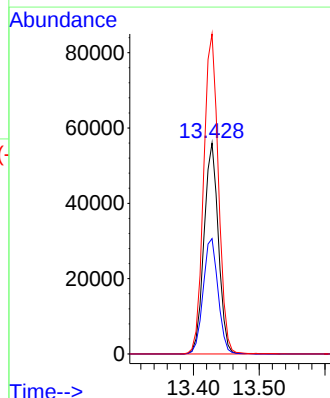
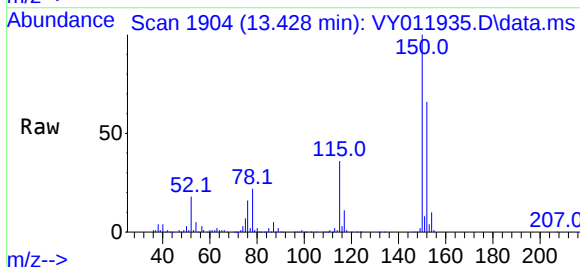
Instrument :
MSVOA_Y
ClientSampleId :
RB-42-(3-5)

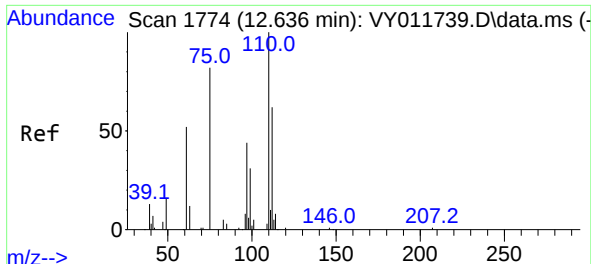
Tgt Ion:117 Resp: 216827
Ion Ratio Lower Upper
117 100
82 55.5 44.8 67.2
119 32.4 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011935.D
Acq: 20 Dec 2022 20:17

Tgt Ion:152 Resp: 85091
Ion Ratio Lower Upper
152 100
115 56.8 29.1 87.3
150 155.7 0.0 342.6

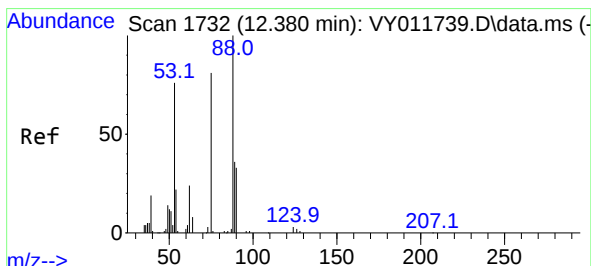
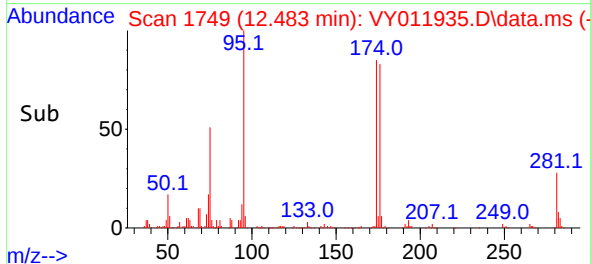
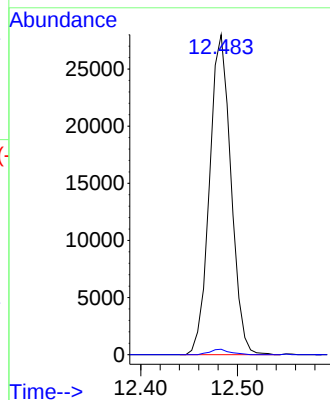
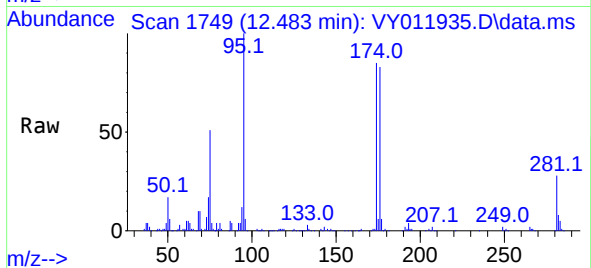




#76
1,2,3-Trichloropropane
Concen: 40.685 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011935.D
Acq: 20 Dec 2022 20:17

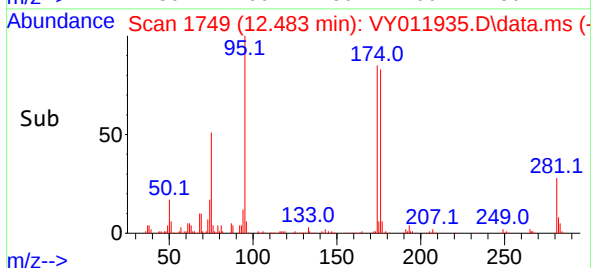
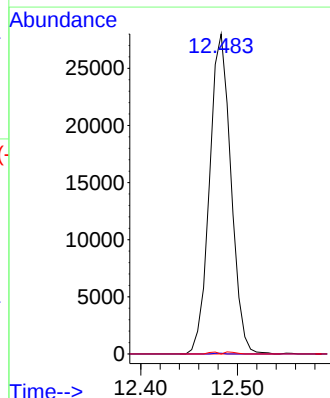
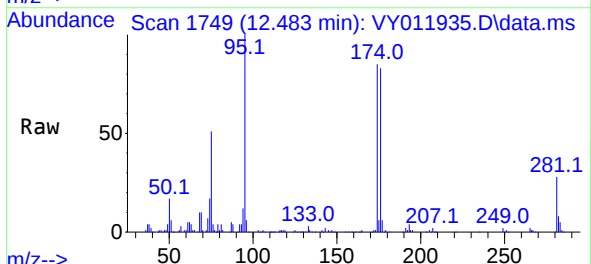
Instrument :
MSVOA_Y
ClientSampleId :
RB-42-(3-5)

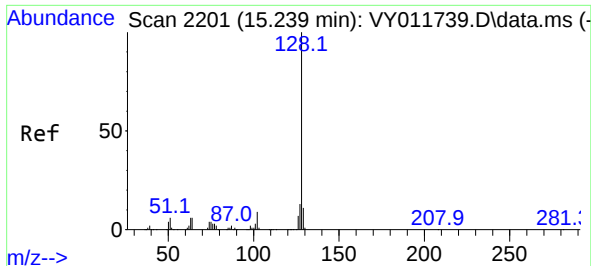
Tgt Ion: 75 Resp: 43078
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.416 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011935.D
Acq: 20 Dec 2022 20:17

Tgt Ion: 75 Resp: 43078
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.3 37.0 55.4#





#95

Naphthalene

Concen: 2.897 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY011935.D

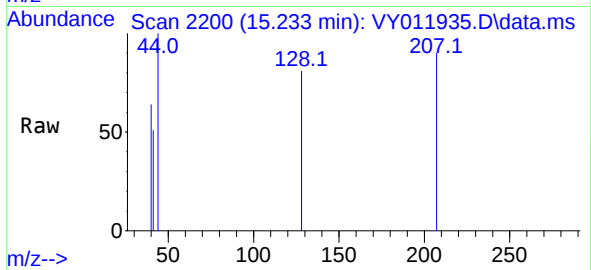
Acq: 20 Dec 2022 20:17

Instrument :

MSVOA_Y

ClientSampleId :

RB-42-(3-5)



Tgt Ion:128 Resp: 393

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

129 0.0 8.8 13.2#

