

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011813.D
 Acq On : 14 Dec 2022 00:06
 Operator : KP/MD
 Sample : N6037-04
 Misc : 5.84g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-19-(2.3-4.3)

Quant Time: Dec 14 05:37:01 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)

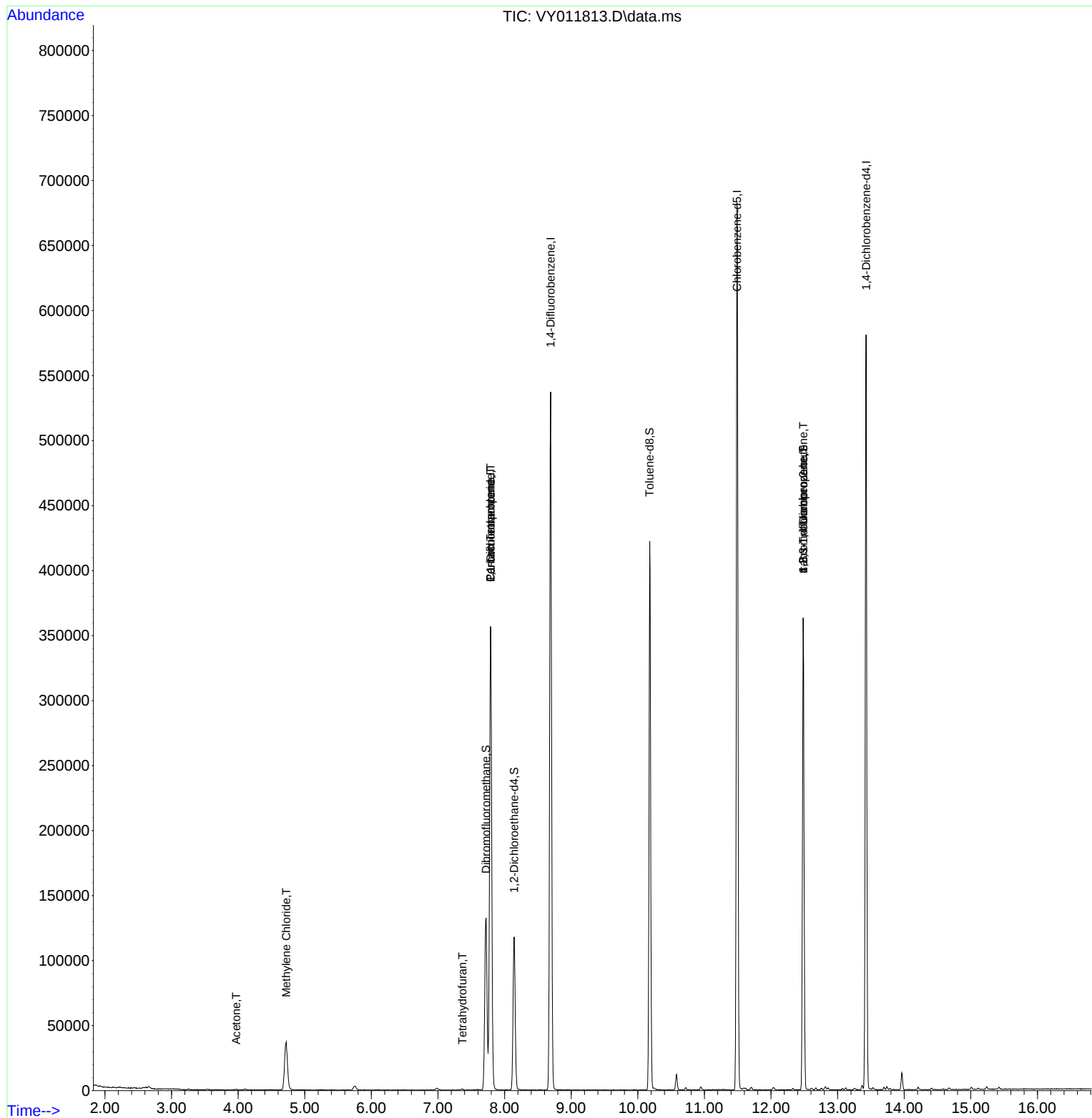
Internal Standards						
1) Pentafluorobenzene	7.789	168	275565	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	455220	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	376898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	150169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	93353	49.607	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.220%
35) Dibromofluoromethane	7.722	113	94759	46.587	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.180%
50) Toluene-d8	10.179	98	275767	40.299	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	80.600%
62) 4-Bromofluorobenzene	12.483	95	99000	36.255	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	72.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	295	Below Cal		96
5) Bromomethane	2.662	94	435	Below Cal		85
11) Tert butyl alcohol	4.960	59	50	Below Cal	#	74
16) Acetone	3.972	43	896	1.191	ug/l #	40
18) Methyl Acetate	4.478	43	118	Below Cal	#	50
20) Methylene Chloride	4.722	84	28426	5.369	ug/l	98
29) Tetrahydrofuran	7.368	42	555	1.007	ug/l #	89
31) Cyclohexane	7.789	56	5633	Below Cal	#	12
36) 1,1-Dichloropropene	7.789	75	20638	5.974	ug/l #	49
38) Carbon Tetrachloride	7.789	117	27399	6.752	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	51344	33.794	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	51344	76.686	ug/l #	13

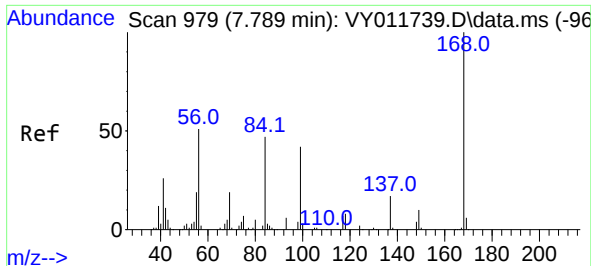
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
Data File : VY011813.D
Acq On : 14 Dec 2022 00:06
Operator : KP/MD
Sample : N6037-04
Misc : 5.84g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RB-19-(2.3-4.3)

Quant Time: Dec 14 05:37:01 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

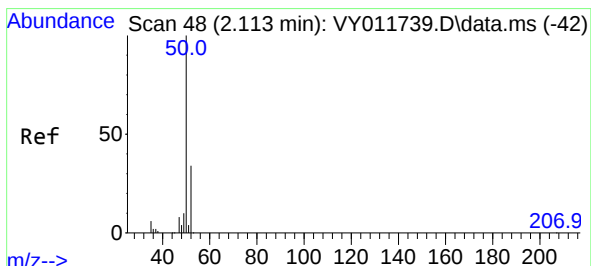
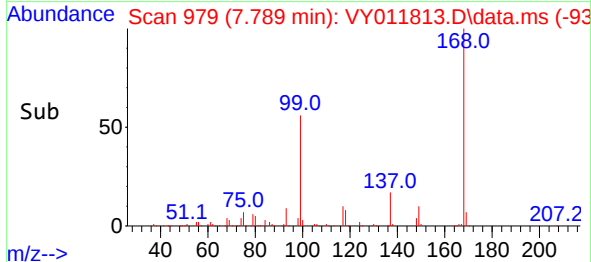
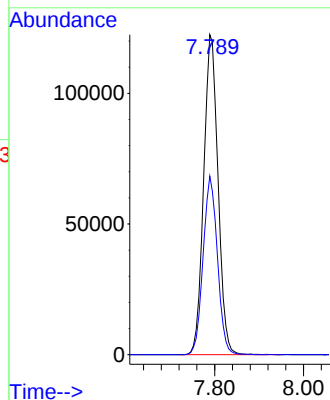
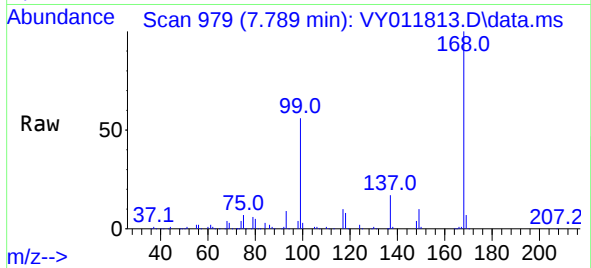




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011813.D
Acq: 14 Dec 2022 00:06

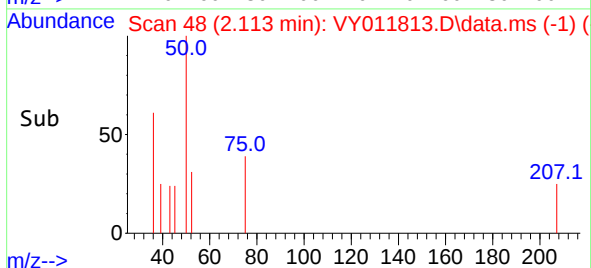
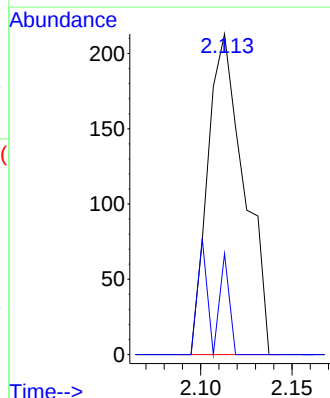
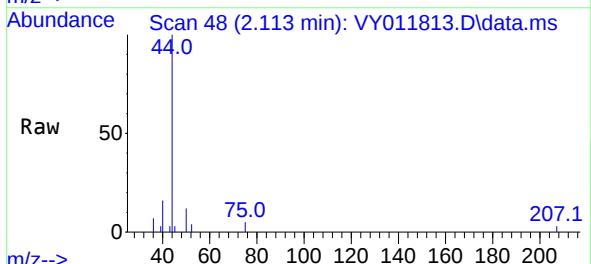
Instrument :
MSVOA_Y
ClientSampleId :
RB-19-(2.3-4.3)

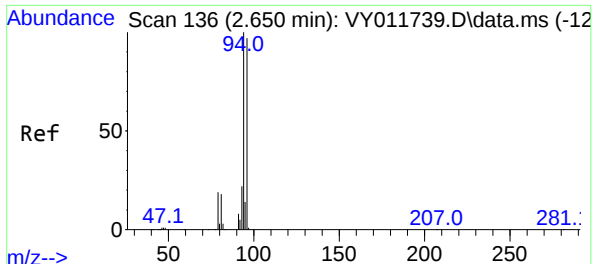
Tgt Ion:168 Resp: 275565
Ion Ratio Lower Upper
168 100
99 55.8 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011813.D
Acq: 14 Dec 2022 00:06

Tgt Ion: 50 Resp: 295
Ion Ratio Lower Upper
50 100
52 31.5 26.8 40.2

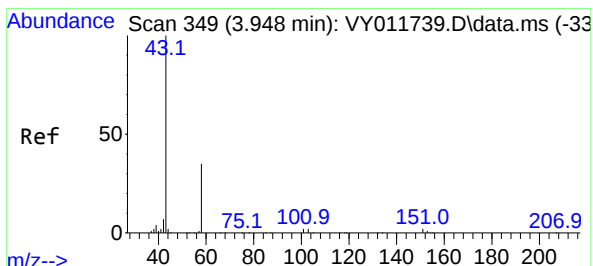
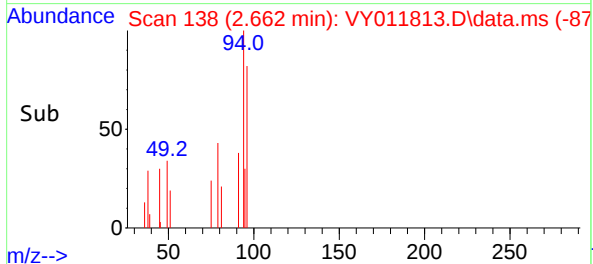
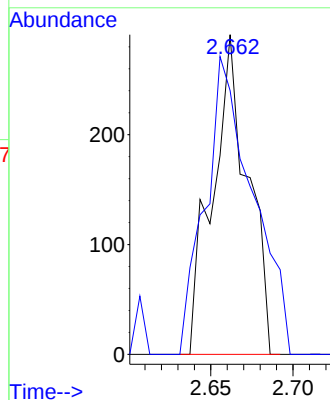
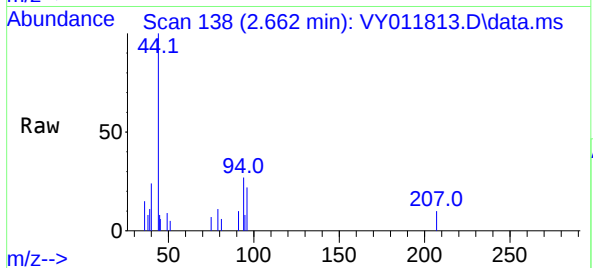




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011813.D
Acq: 14 Dec 2022 00:06

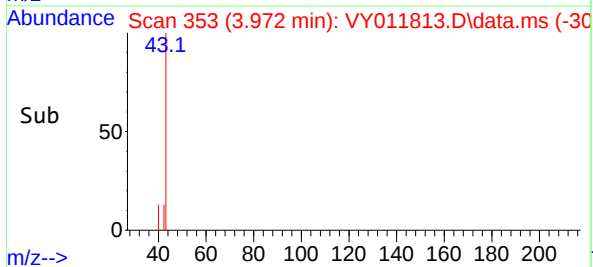
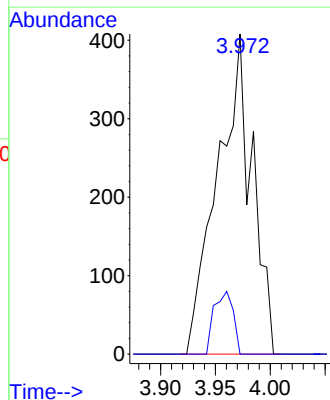
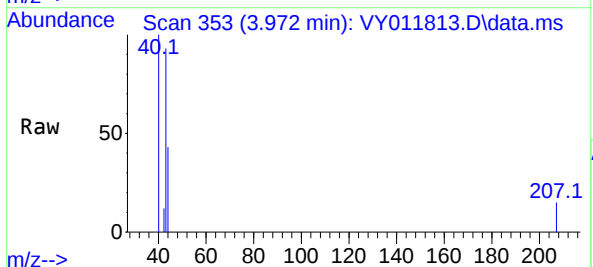
Instrument :
MSVOA_Y
ClientSampleId :
RB-19-(2.3-4.3)

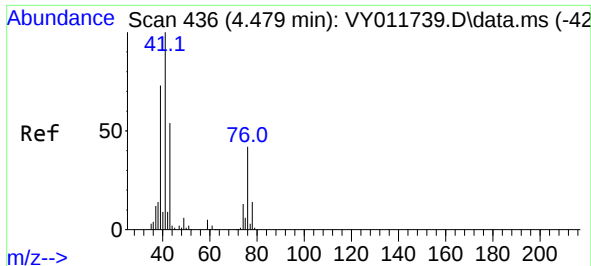
Tgt Ion: 94 Resp: 435
Ion Ratio Lower Upper
94 100
96 82.5 77.4 116.2



#16
Acetone
Concen: 1.191 ug/l
RT: 3.972 min Scan# 353
Delta R.T. 0.024 min
Lab File: VY011813.D
Acq: 14 Dec 2022 00:06

Tgt Ion: 43 Resp: 896
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#

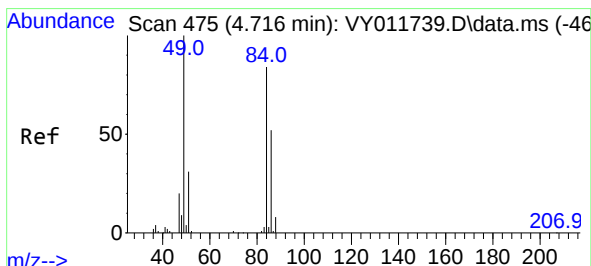
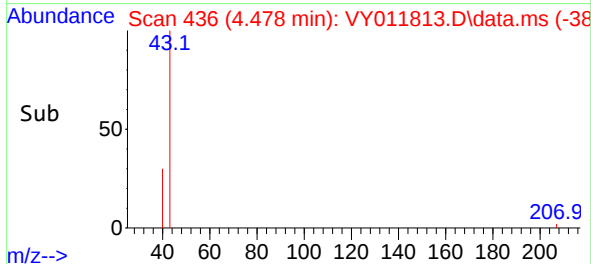
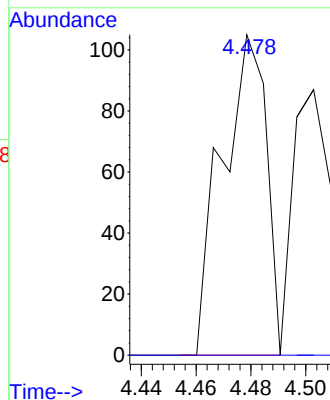
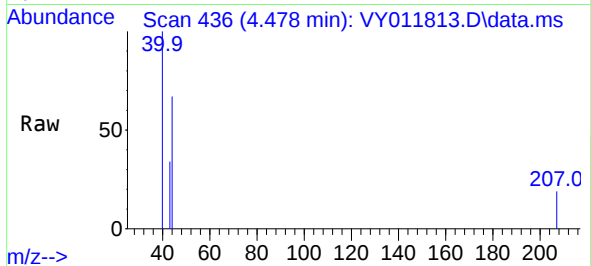




#18
Methyl Acetate
Concen: Below Cal
RT: 4.478 min Scan# 41
Delta R.T. -0.001 min
Lab File: VY011813.D
Acq: 14 Dec 2022 00:06

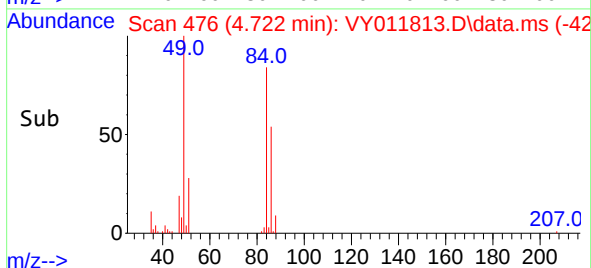
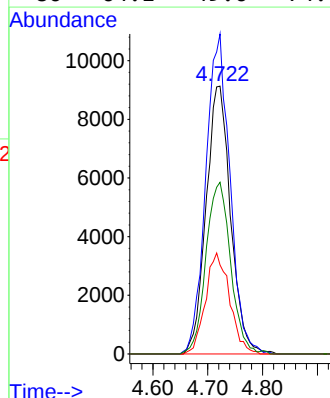
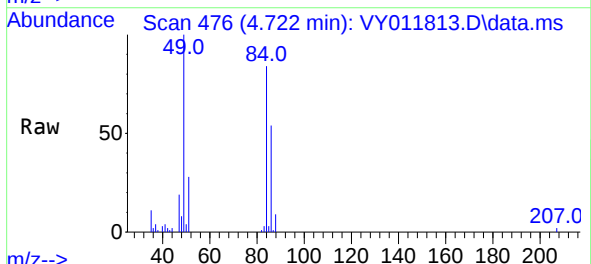
Instrument :
MSVOA_Y
ClientSampleId :
RB-19-(2.3-4.3)

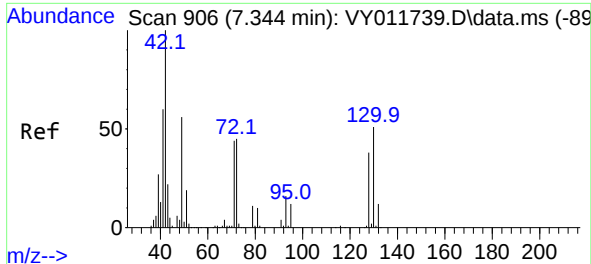
Tgt Ion: 43 Resp: 118
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 5.369 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY011813.D
Acq: 14 Dec 2022 00:06

Tgt Ion: 84 Resp: 28426
Ion Ratio Lower Upper
84 100
49 119.5 95.4 143.2
51 33.2 29.9 44.9
86 64.1 49.6 74.4





#29

Tetrahydrofuran

Concen: 1.007 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.024 min

Lab File: VY011813.D

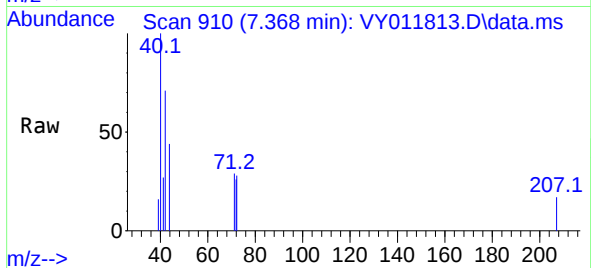
Acq: 14 Dec 2022 00:06

Instrument :

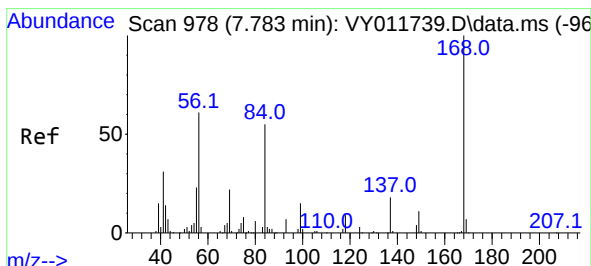
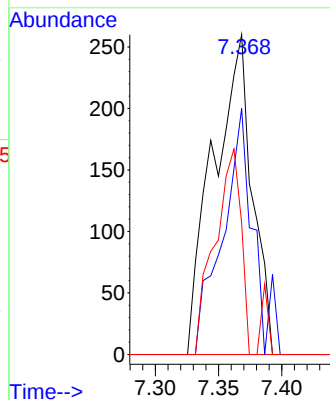
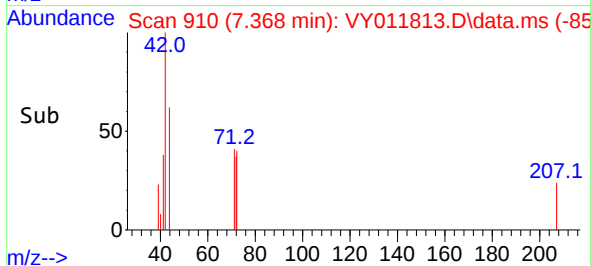
MSVOA_Y

ClientSampleId :

RB-19-(2.3-4.3)



Tgt Ion:	42	Resp:	555
Ion	Ratio	Lower	Upper
42	100		
72	61.1	37.0	55.6#
71	43.6	34.9	52.3



#31

Cyclohexane

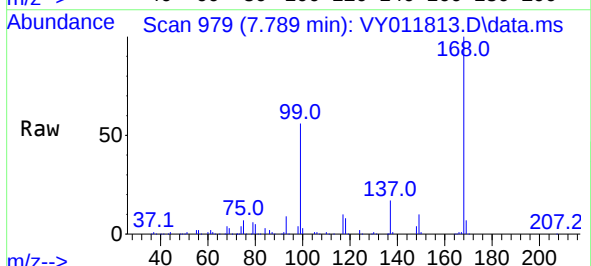
Concen: Below Cal

RT: 7.789 min Scan# 979

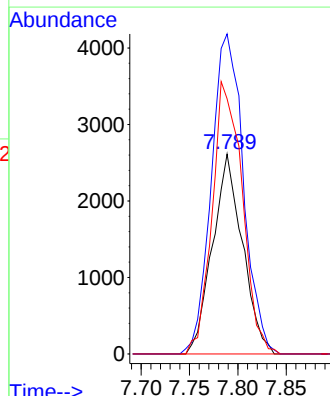
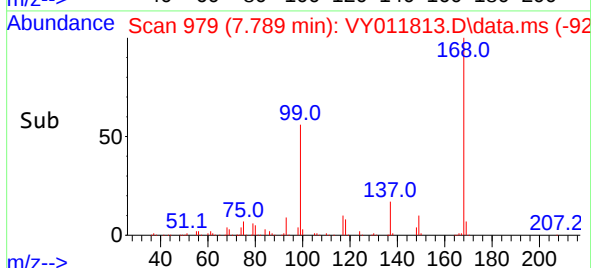
Delta R.T. 0.006 min

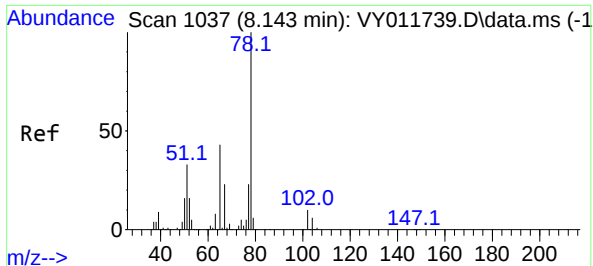
Lab File: VY011813.D

Acq: 14 Dec 2022 00:06



Tgt Ion:	56	Resp:	5633
Ion	Ratio	Lower	Upper
56	100		
69	160.1	29.2	43.8#
84	127.7	72.6	108.8#





#33

1,2-Dichloroethane-d4

Concen: 49.607 ug/l

RT: 8.142 min Scan# 1

Delta R.T. -0.001 min

Lab File: VY011813.D

Acq: 14 Dec 2022 00:06

Instrument :

MSVOA_Y

ClientSampleId :

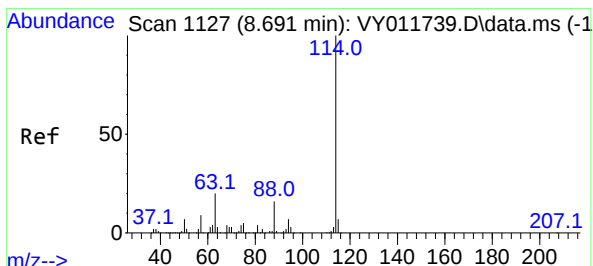
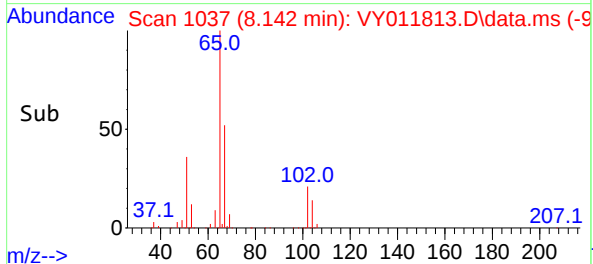
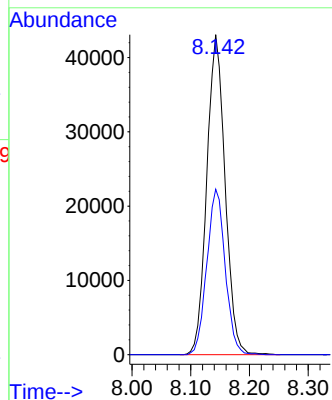
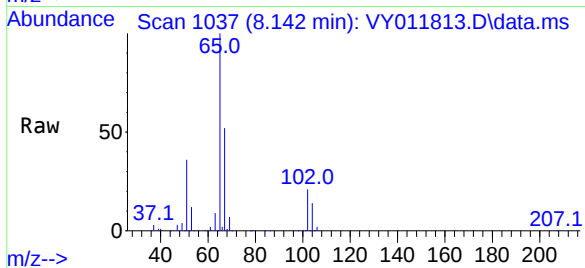
RB-19-(2.3-4.3)

Tgt Ion: 65 Resp: 93353

Ion Ratio Lower Upper

65 100

67 51.8 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: VY011813.D

Acq: 14 Dec 2022 00:06

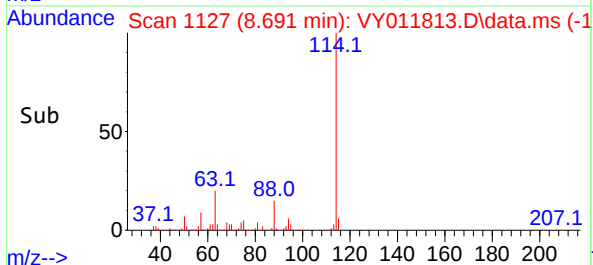
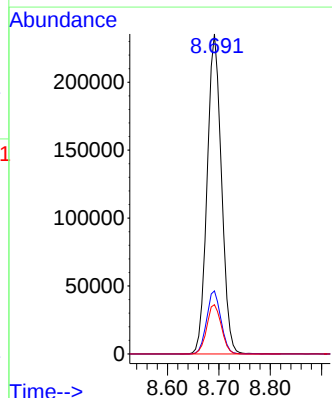
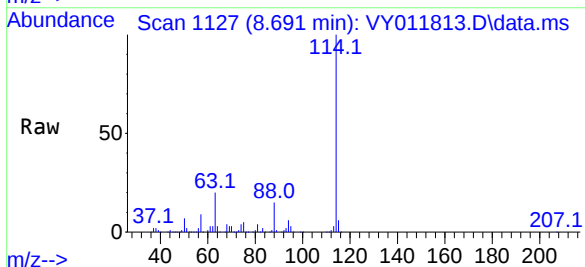
Tgt Ion: 114 Resp: 455220

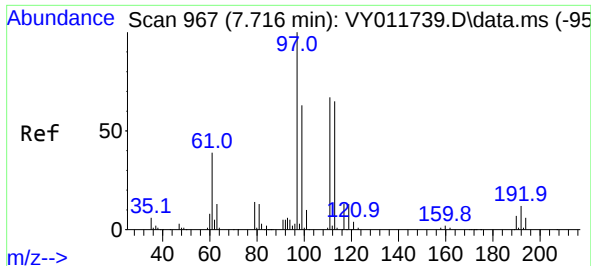
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 15.4 0.0 32.2

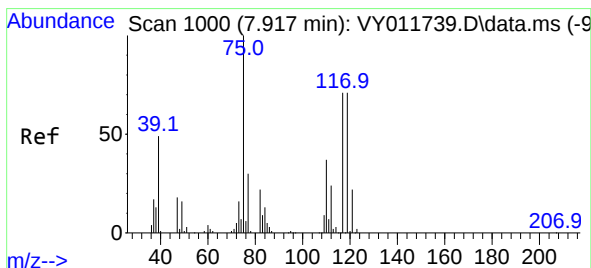
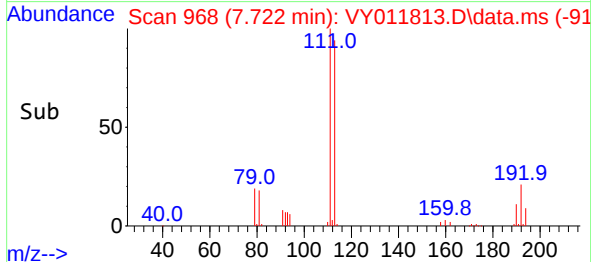
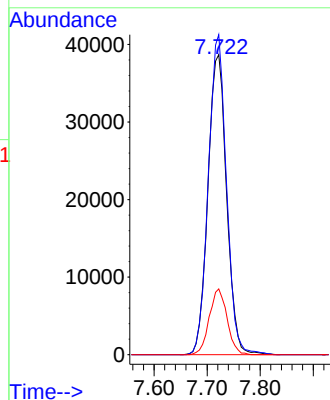
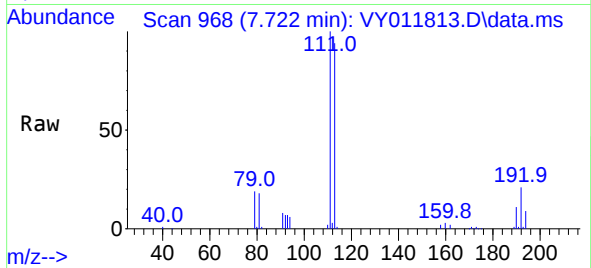




#35
Dibromofluoromethane
Concen: 46.587 ug/l
RT: 7.722 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011813.D
Acq: 14 Dec 2022 00:06

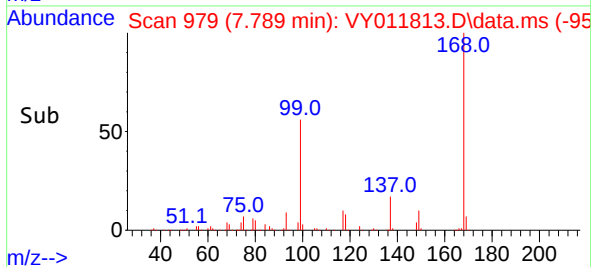
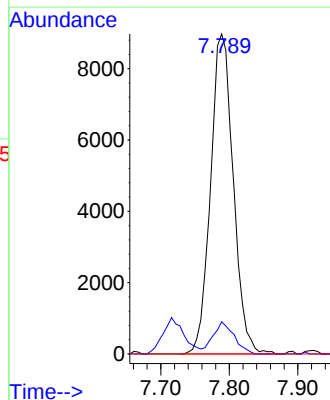
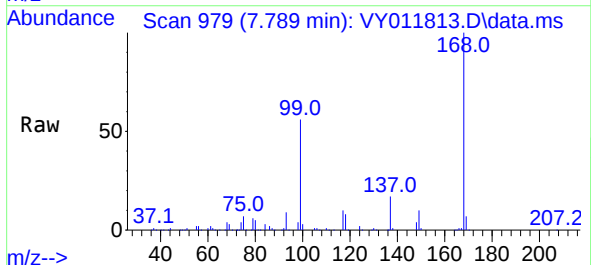
Instrument :
MSVOA_Y
ClientSampleId :
RB-19-(2.3-4.3)

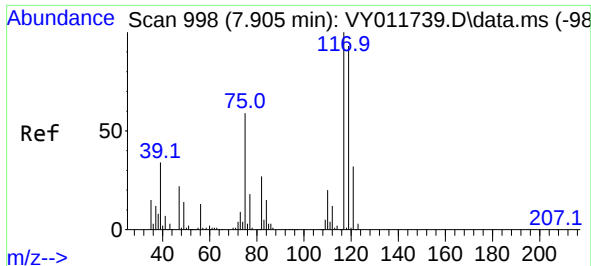
Tgt Ion:113 Resp: 94759
Ion Ratio Lower Upper
113 100
111 103.3 83.0 124.4
192 20.9 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.974 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011813.D
Acq: 14 Dec 2022 00:06

Tgt Ion: 75 Resp: 20638
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.1#
77 0.0 25.1 37.7#

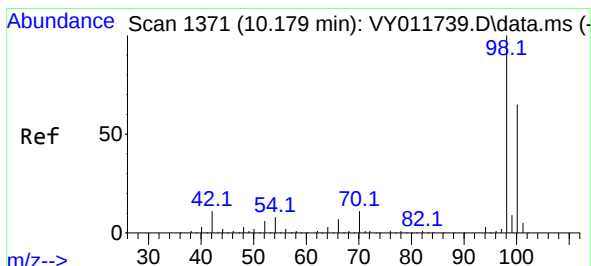
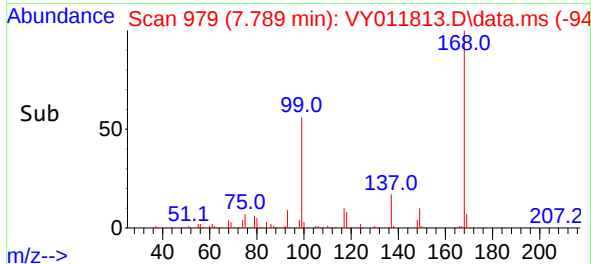
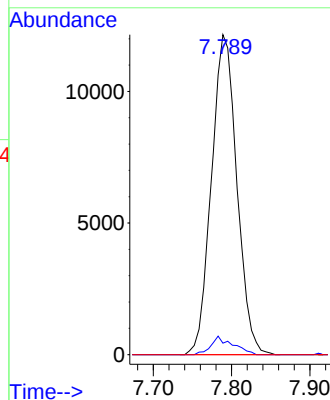
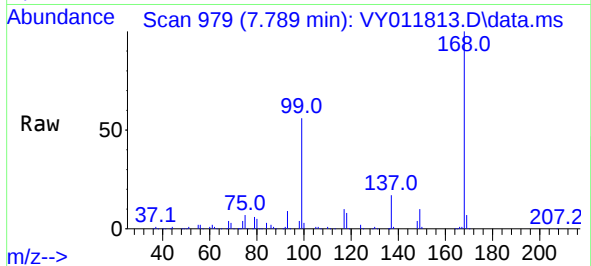




#38
Carbon Tetrachloride
Concen: 6.752 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011813.D
Acq: 14 Dec 2022 00:06

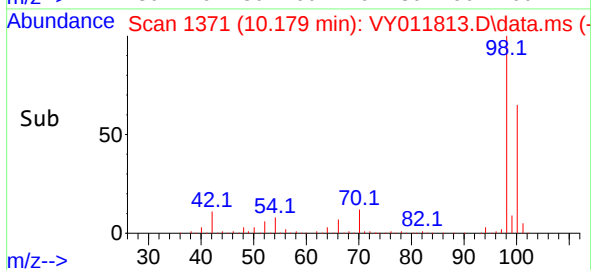
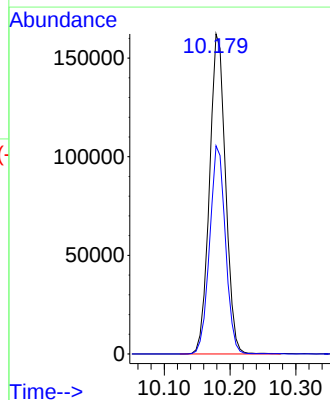
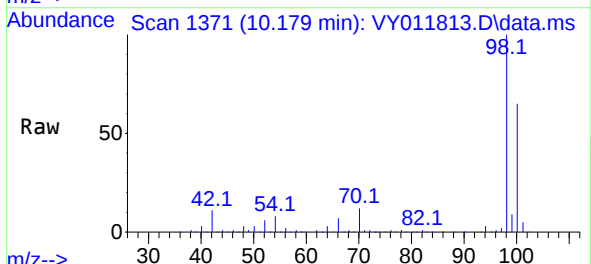
Instrument :
MSVOA_Y
ClientSampleId :
RB-19-(2.3-4.3)

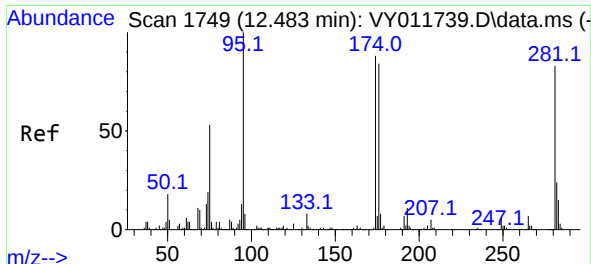
Tgt Ion:117 Resp: 27399
Ion Ratio Lower Upper
117 100
119 3.6 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 40.299 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011813.D
Acq: 14 Dec 2022 00:06

Tgt Ion: 98 Resp: 275767
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

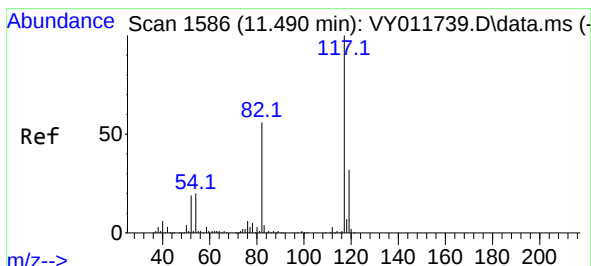
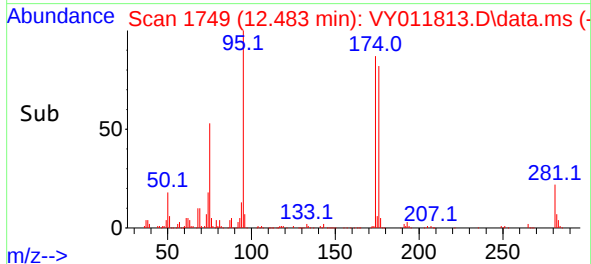
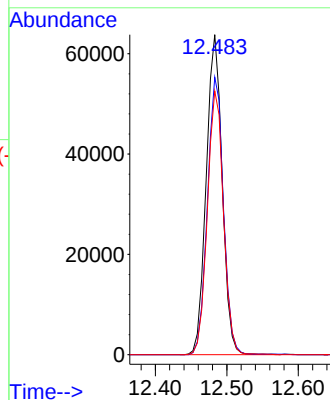
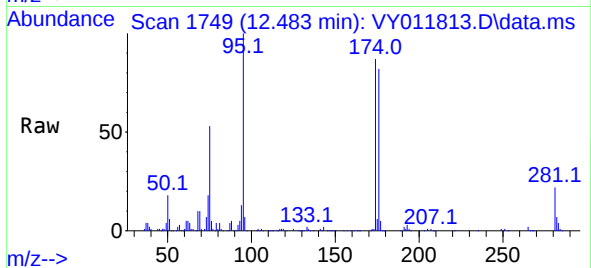




#62
4-Bromofluorobenzene
Concen: 36.255 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011813.D
Acq: 14 Dec 2022 00:06

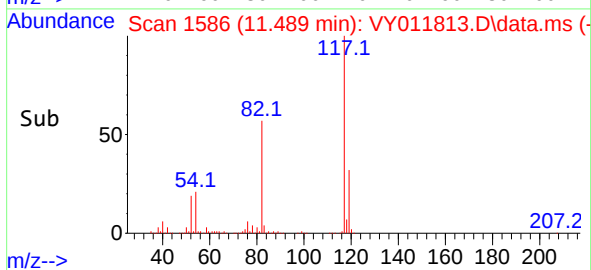
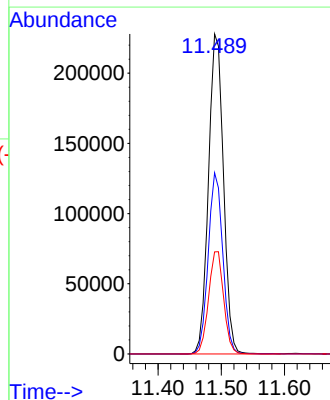
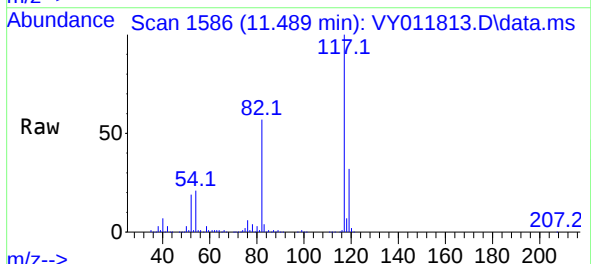
Instrument :
MSVOA_Y
ClientSampleId :
RB-19-(2.3-4.3)

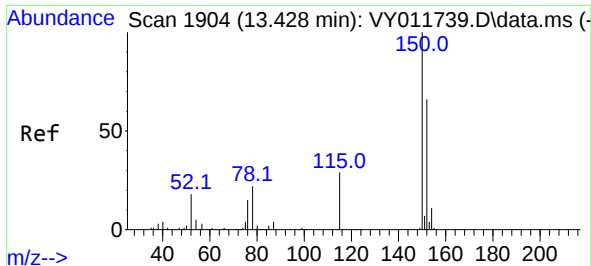
Tgt Ion:	95	Resp:	99000
Ion	Ratio	Lower	Upper
95	100		
174	87.3	0.0	172.0
176	83.2	0.0	167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011813.D
Acq: 14 Dec 2022 00:06

Tgt Ion:	117	Resp:	376898
Ion	Ratio	Lower	Upper
117	100		
82	56.6	44.8	67.2
119	31.9	25.4	38.2

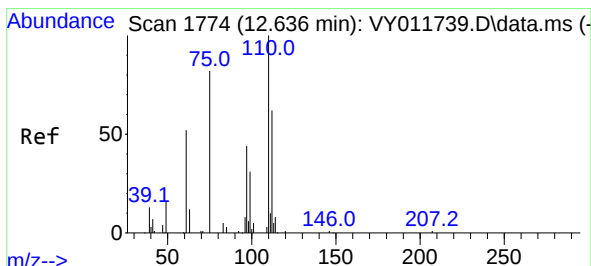
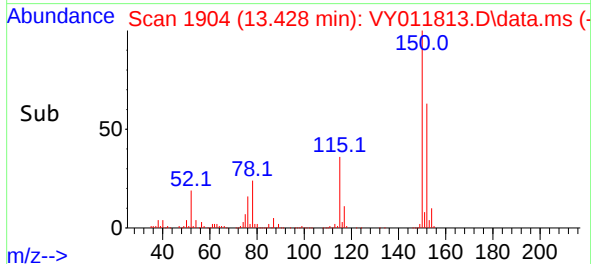
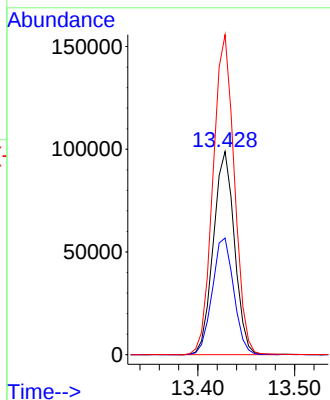
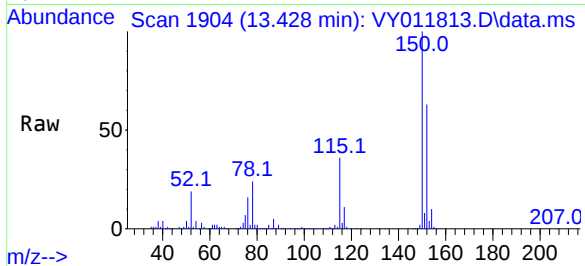




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011813.D
Acq: 14 Dec 2022 00:06

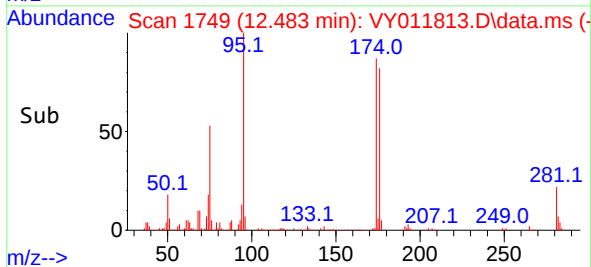
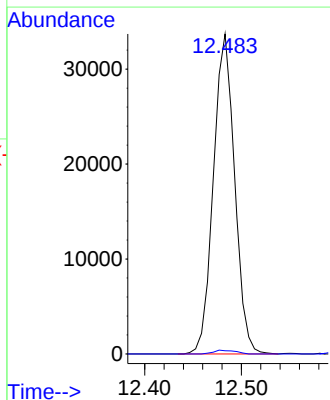
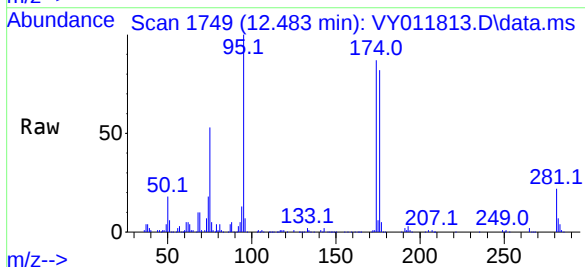
Instrument :
MSVOA_Y
ClientSampleId :
RB-19-(2.3-4.3)

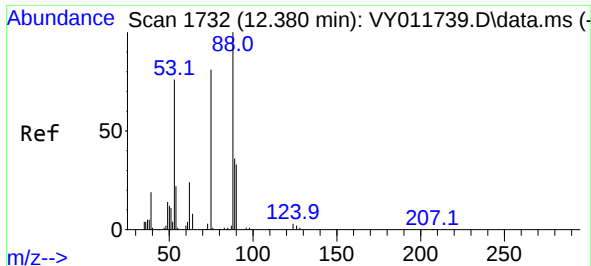
Tgt Ion:152 Resp: 150169
Ion Ratio Lower Upper
152 100
115 58.5 29.1 87.3
150 159.3 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 33.794 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011813.D
Acq: 14 Dec 2022 00:06

Tgt Ion: 75 Resp: 51344
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.686 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY011813.D
 Acq: 14 Dec 2022 00:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-19-(2.3-4.3)

Tgt Ion: 75 Resp: 51344
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.3 37.0 55.4#

