

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011847.D
 Acq On : 14 Dec 2022 15:56
 Operator : KP/MD
 Sample : N6037-21RE
 Misc : 3.93g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-27-(2.5-4.5)RE

Quant Time: Dec 15 01:21:16 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)

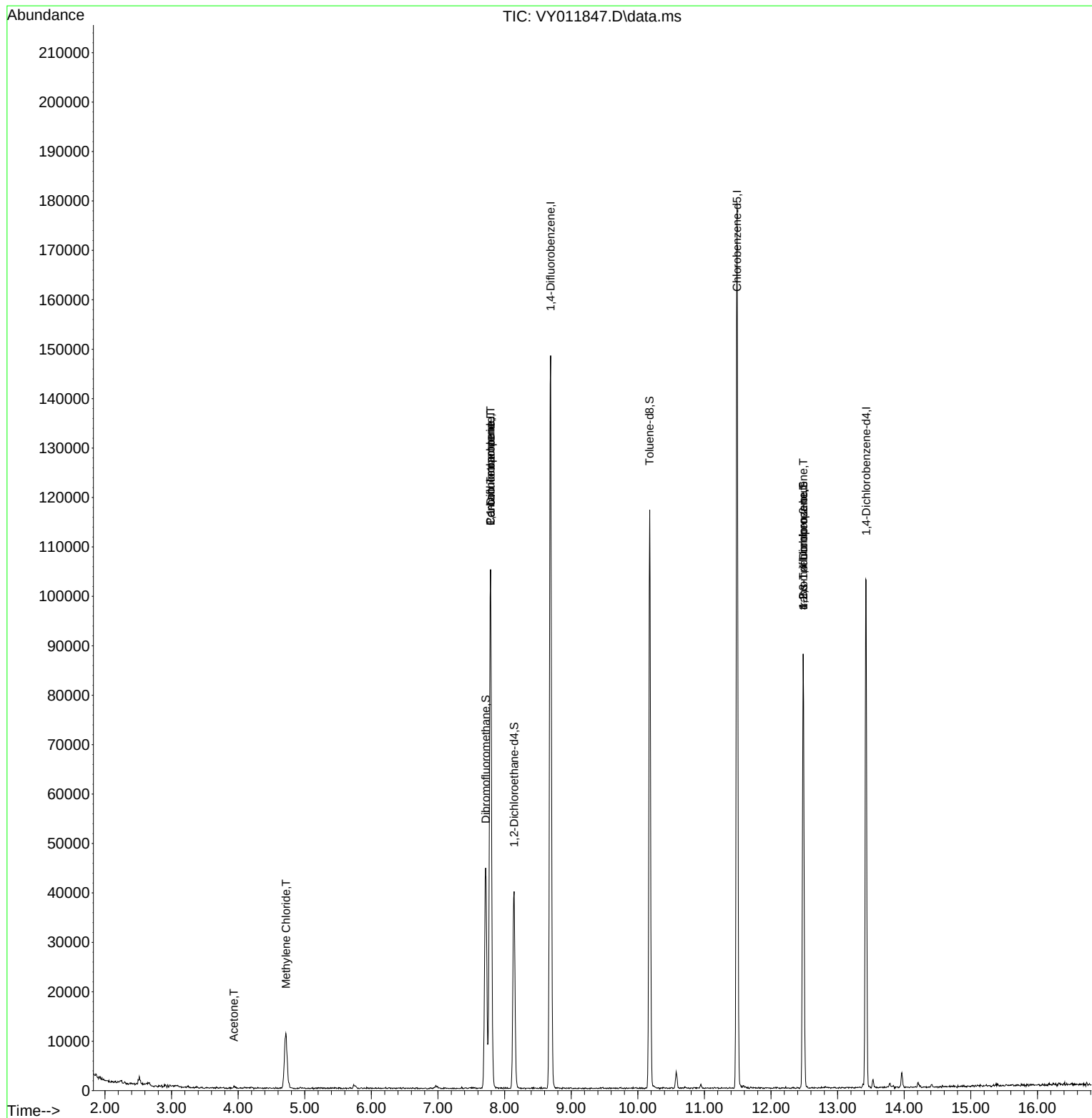
Internal Standards						
1) Pentafluorobenzene	7.789	168	82029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	127952	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	98325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	28296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	31870	57.671	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.340%
35) Dibromofluoromethane	7.716	113	32147	57.101	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.200%
50) Toluene-d8	10.179	98	78605	40.976	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	81.960%
62) 4-Bromofluorobenzene	12.483	95	22152	27.836	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	55.680%
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	148	Below Cal	#	41
5) Bromomethane	2.668	94	116	Below Cal	#	75
11) Tert butyl alcohol	4.930	59	88	Below Cal	#	74
16) Acetone	3.936	43	325	1.451	ug/l #	40
18) Methyl Acetate	4.466	43	60	Below Cal	#	50
20) Methylene Chloride	4.716	84	8237	5.049	ug/l	97
31) Cyclohexane	7.789	56	1528	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	5934	6.112	ug/l #	50
38) Carbon Tetrachloride	7.789	117	8235	7.220	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	11420	39.891	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	11420	90.520	ug/l #	13

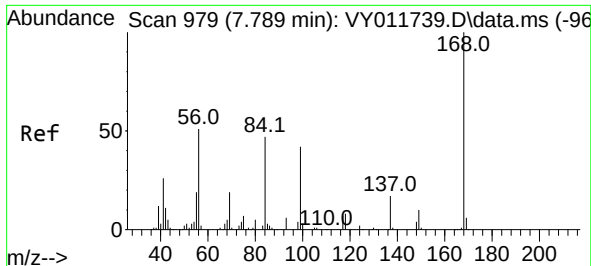
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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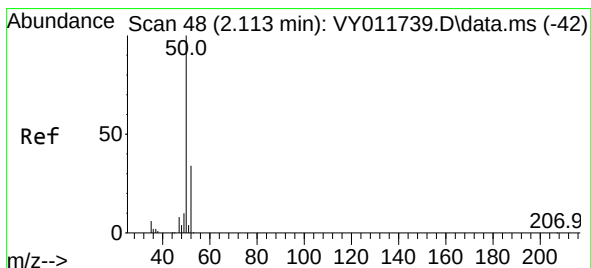
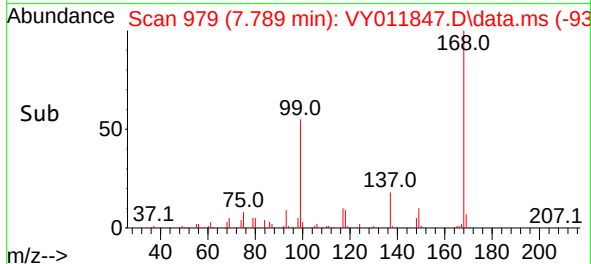
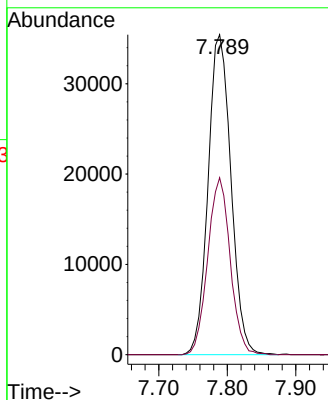
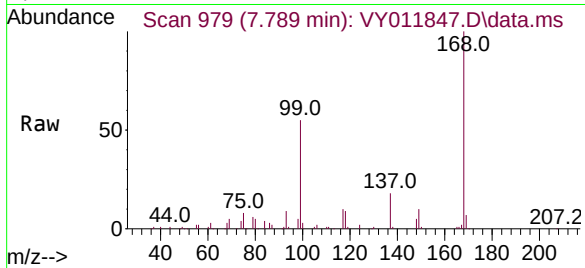




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011847.D
Acq: 14 Dec 2022 15:56

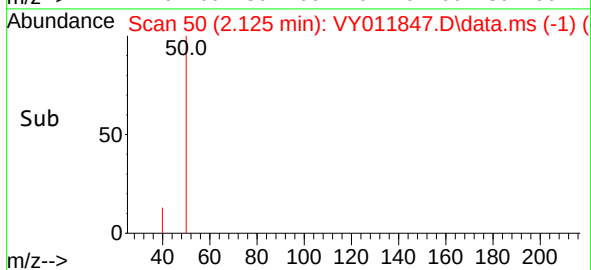
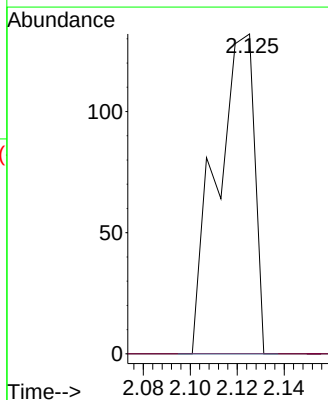
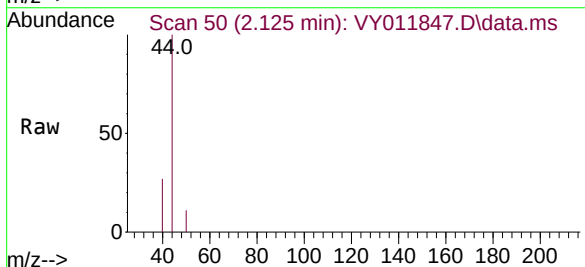
Instrument :
MSVOA_Y
ClientSampleId :
RB-27-(2.5-4.5)RE

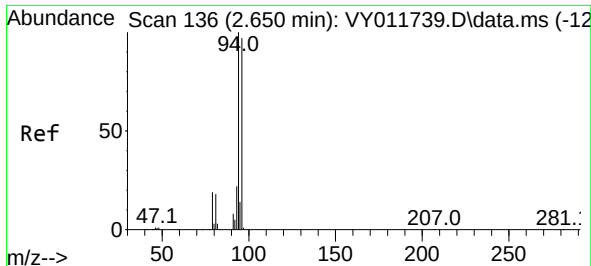
Tgt Ion:168 Resp: 82029
Ion Ratio Lower Upper
168 100
99 55.3 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY011847.D
Acq: 14 Dec 2022 15:56

Tgt Ion: 50 Resp: 148
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

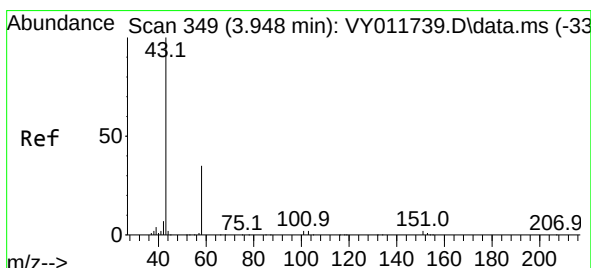
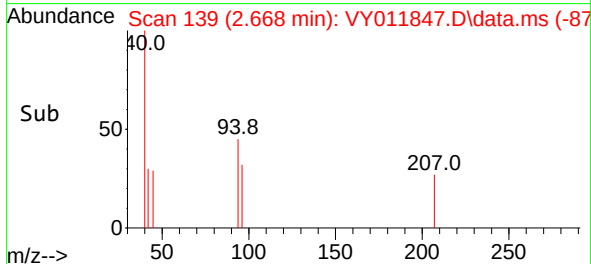
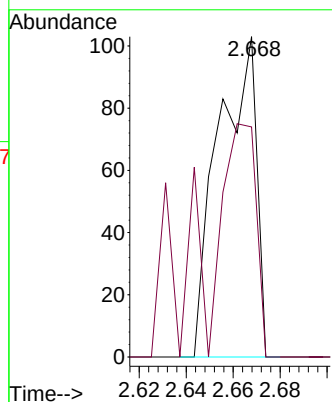
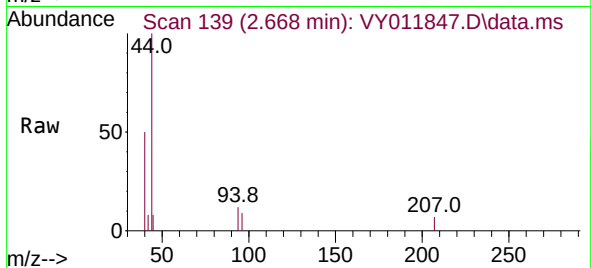




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY011847.D
Acq: 14 Dec 2022 15:56

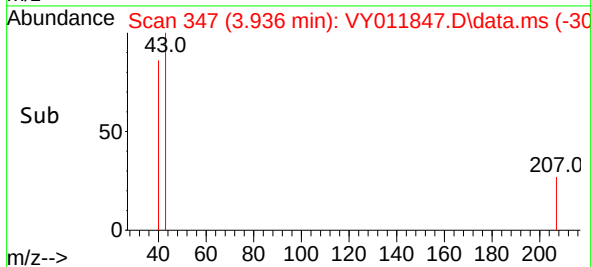
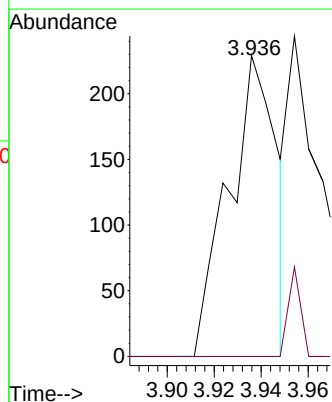
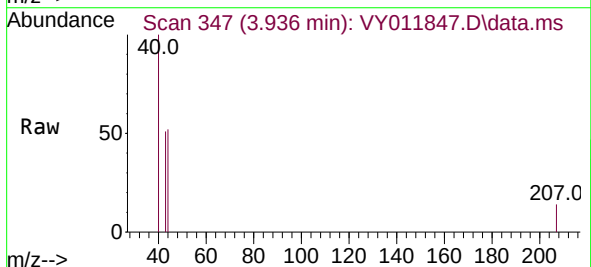
Instrument :
MSVOA_Y
ClientSampleId :
RB-27-(2.5-4.5)RE

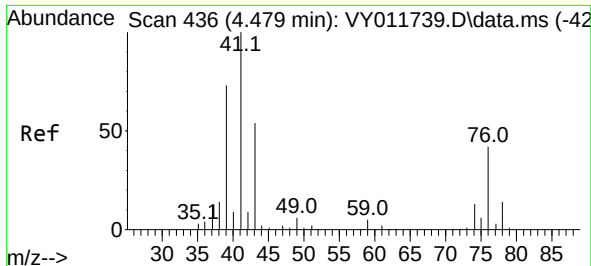
Tgt Ion: 94 Resp: 116
Ion Ratio Lower Upper
94 100
96 71.8 77.4 116.2#



#16
Acetone
Concen: 1.451 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.012 min
Lab File: VY011847.D
Acq: 14 Dec 2022 15:56

Tgt Ion: 43 Resp: 325
Ion Ratio Lower Upper
43 100
58 0.0 27.9 41.9#

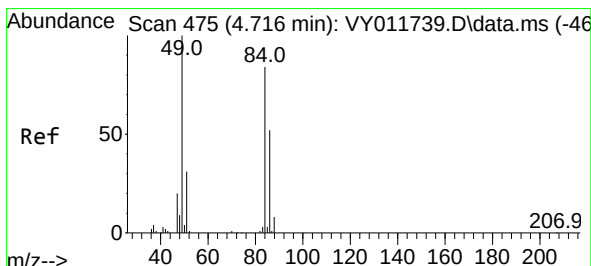
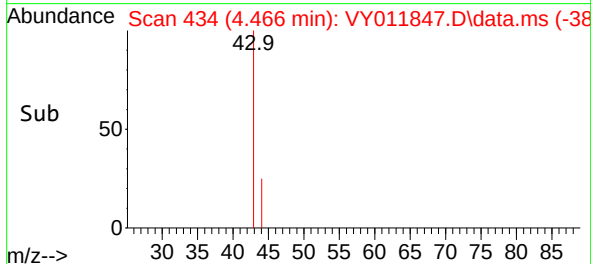
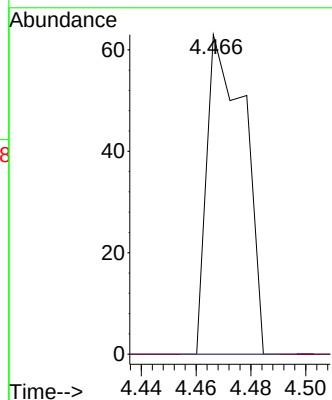
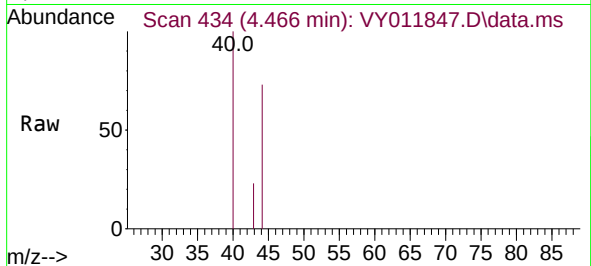




#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY011847.D
Acq: 14 Dec 2022 15:56

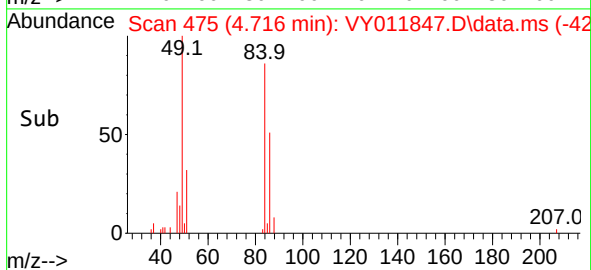
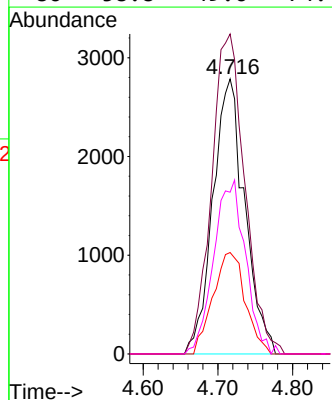
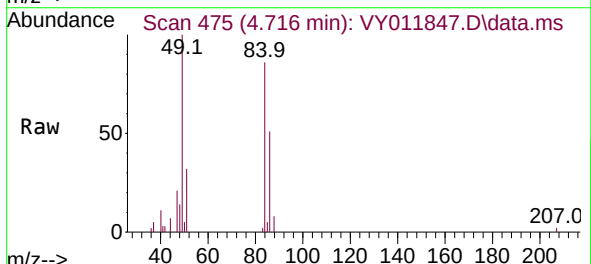
Instrument :
MSVOA_Y
ClientSampleId :
RB-27-(2.5-4.5)RE

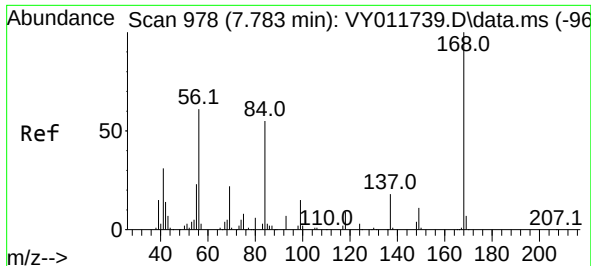
Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 5.049 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011847.D
Acq: 14 Dec 2022 15:56

Tgt Ion: 84 Resp: 8237
Ion Ratio Lower Upper
84 100
49 116.3 95.4 143.2
51 36.9 29.9 44.9
86 58.8 49.6 74.4

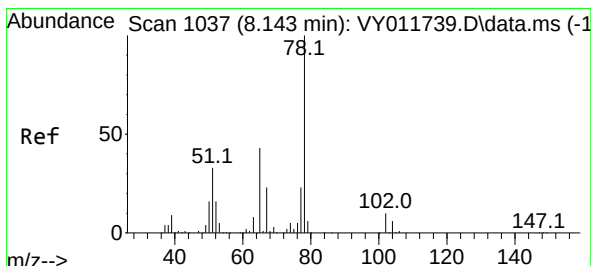
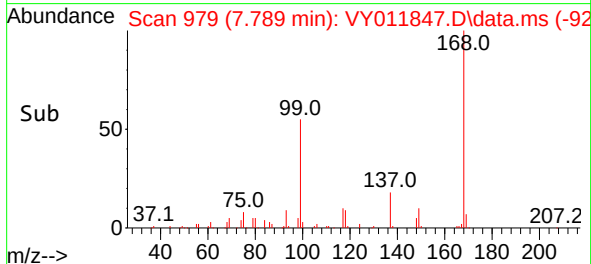
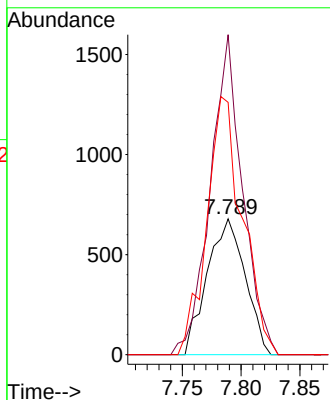
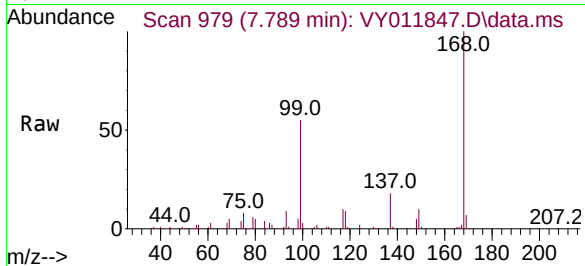




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011847.D
Acq: 14 Dec 2022 15:56

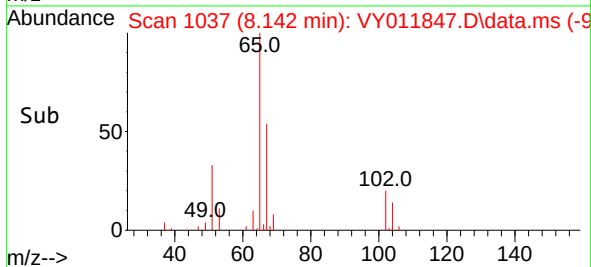
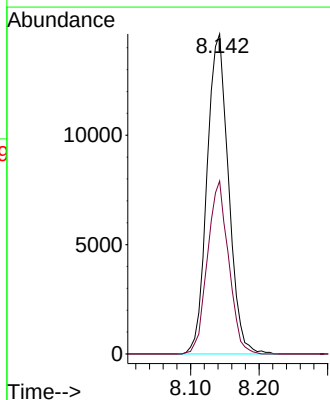
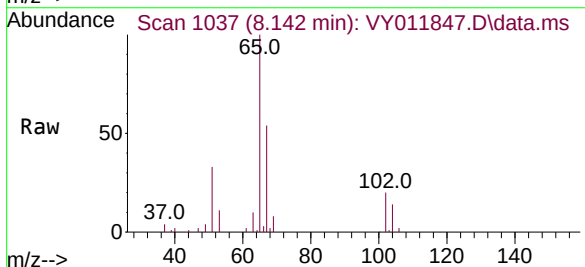
Instrument :
MSVOA_Y
ClientSampleId :
RB-27-(2.5-4.5)RE

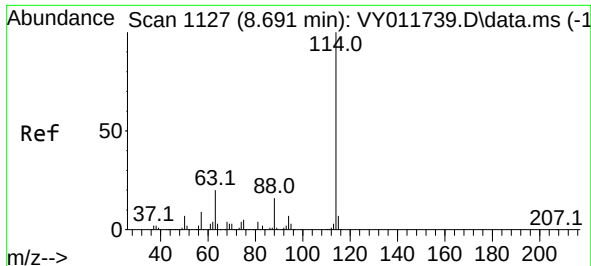
Tgt Ion: 56 Resp: 1528
Ion Ratio Lower Upper
56 100
69 235.5 29.2 43.8#
84 185.7 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 57.671 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011847.D
Acq: 14 Dec 2022 15:56

Tgt Ion: 65 Resp: 31870
Ion Ratio Lower Upper
65 100
67 53.2 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: VY011847.D

Acq: 14 Dec 2022 15:56

Instrument :

MSVOA_Y

ClientSampleId :

RB-27-(2.5-4.5)RE

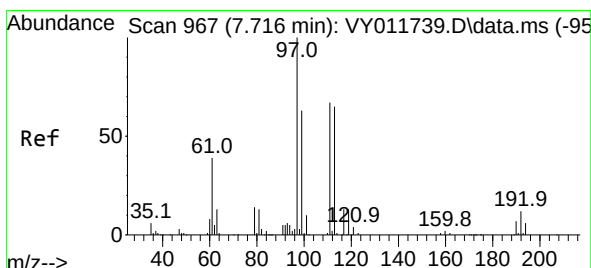
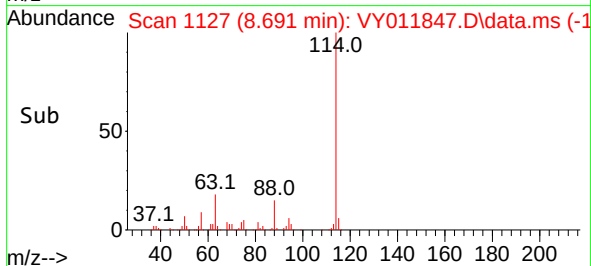
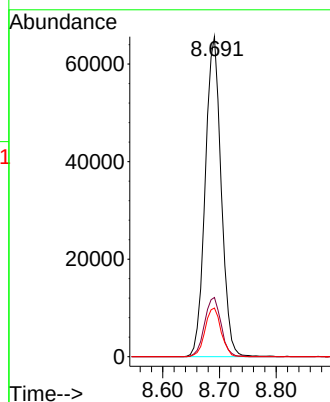
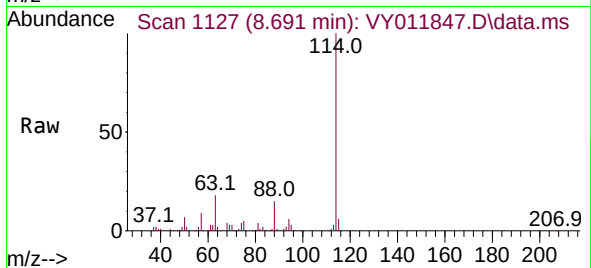
Tgt Ion:114 Resp: 127952

Ion Ratio Lower Upper

114 100

63 18.5 0.0 39.6

88 15.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 57.101 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011847.D

Acq: 14 Dec 2022 15:56

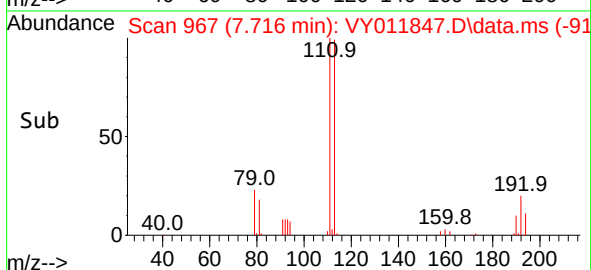
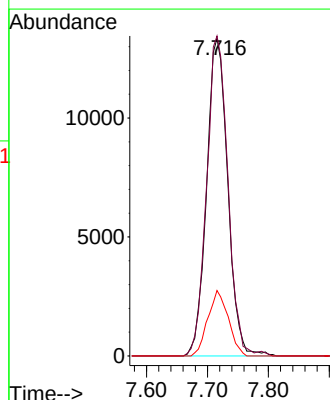
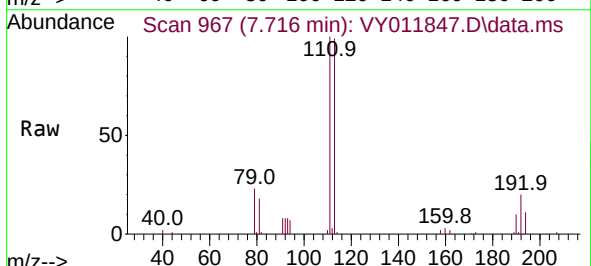
Tgt Ion:113 Resp: 32147

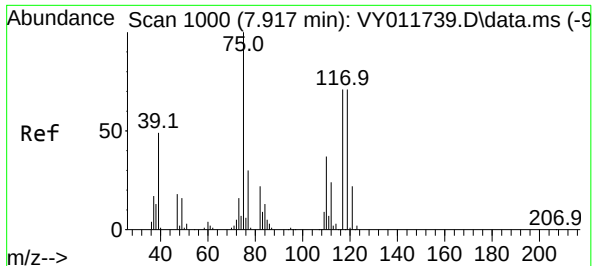
Ion Ratio Lower Upper

113 100

111 100.7 83.0 124.4

192 19.9 16.0 24.0





#36

1,1-Dichloropropene

Concen: 6.112 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011847.D

Acq: 14 Dec 2022 15:56

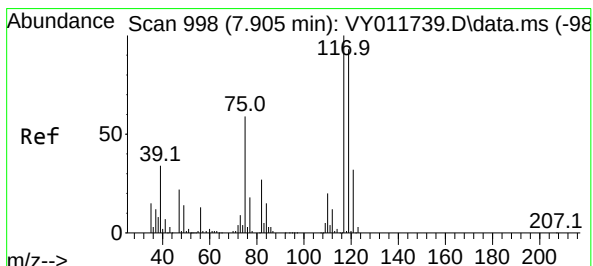
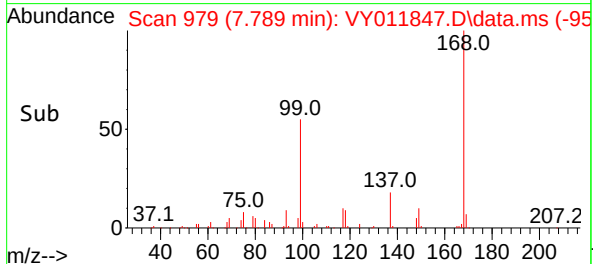
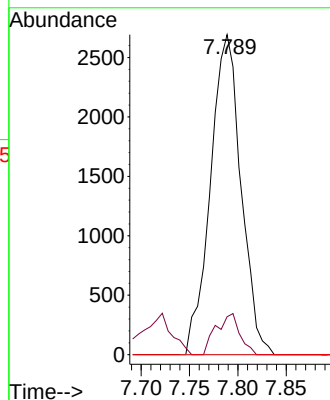
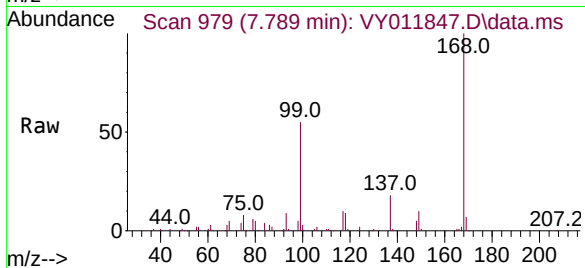
Instrument :

MSVOA_Y

ClientSampleId :

RB-27-(2.5-4.5)RE

Tgt Ion: 75	Resp:	5934
Ion Ratio	Lower	Upper
75	100	
110	9.9	18.1 54.1#
77	0.0	25.1 37.7#



#38

Carbon Tetrachloride

Concen: 7.220 ug/l

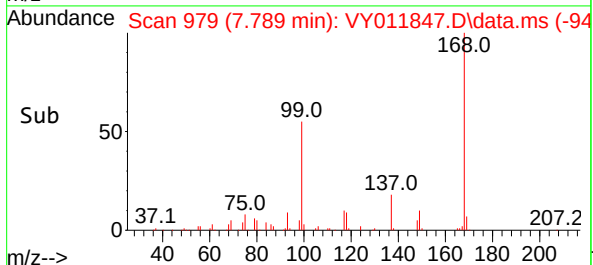
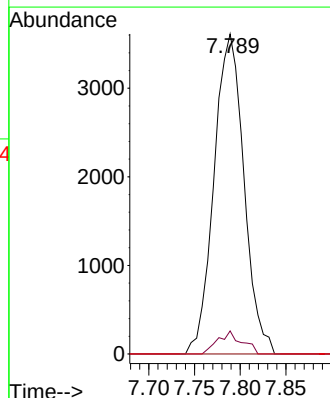
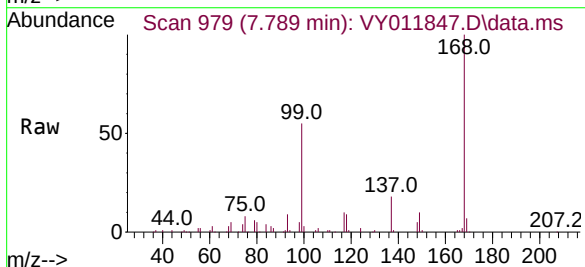
RT: 7.789 min Scan# 979

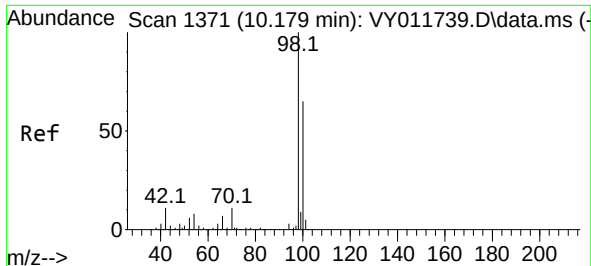
Delta R.T. -0.116 min

Lab File: VY011847.D

Acq: 14 Dec 2022 15:56

Tgt Ion: 117	Resp:	8235
Ion Ratio	Lower	Upper
117	100	
119	7.2	73.8 110.8#
121	0.0	25.2 37.8#

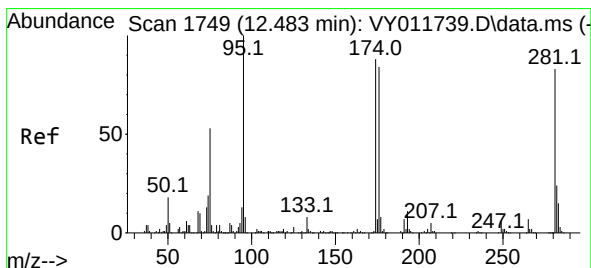
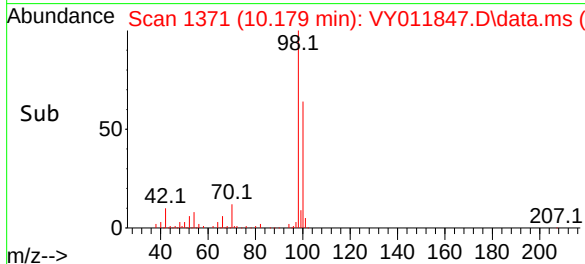
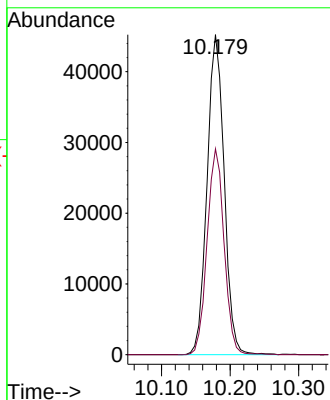
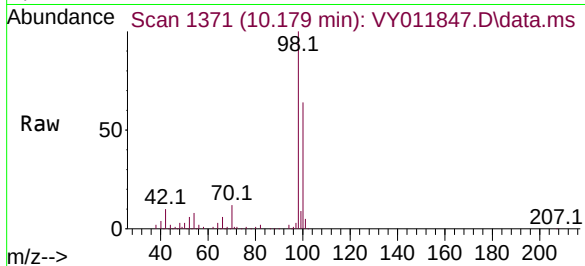




#50
Toluene-d8
Concen: 40.976 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011847.D
Acq: 14 Dec 2022 15:56

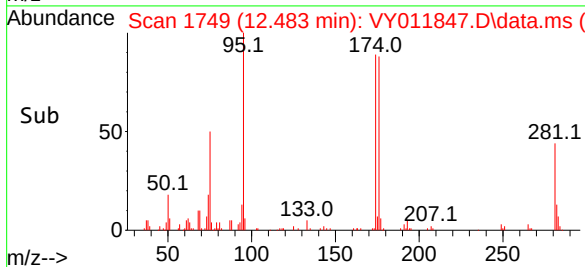
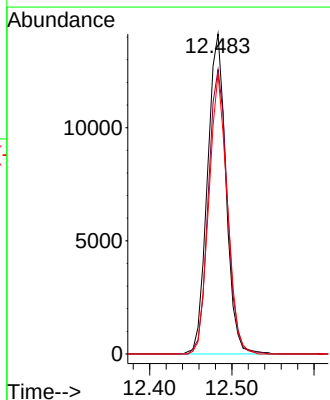
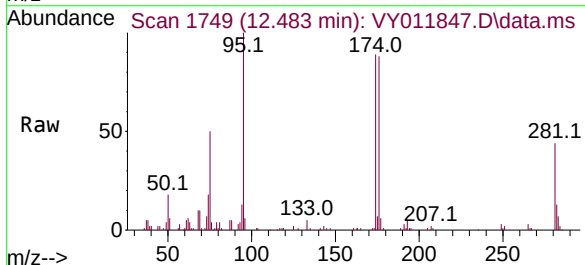
Instrument :
MSVOA_Y
ClientSampleId :
RB-27-(2.5-4.5)RE

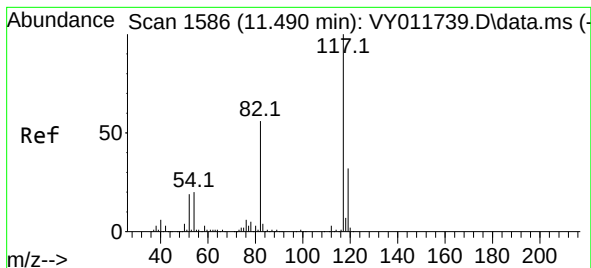
Tgt Ion: 98 Resp: 78605
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 27.836 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011847.D
Acq: 14 Dec 2022 15:56

Tgt Ion: 95 Resp: 22152
Ion Ratio Lower Upper
95 100
174 90.7 0.0 172.0
176 86.8 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY011847.D

Acq: 14 Dec 2022 15:56

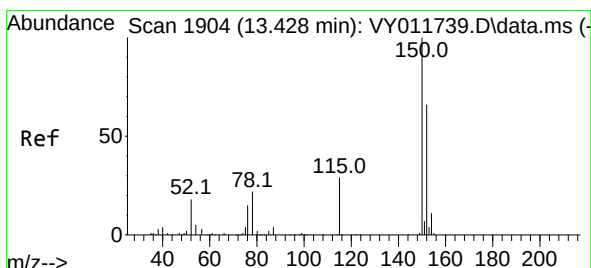
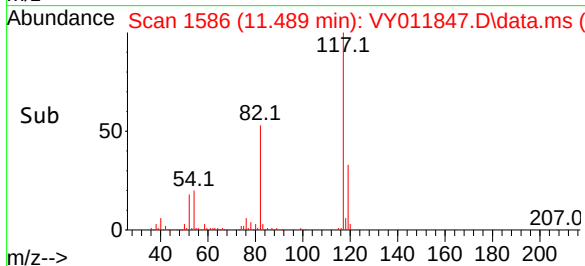
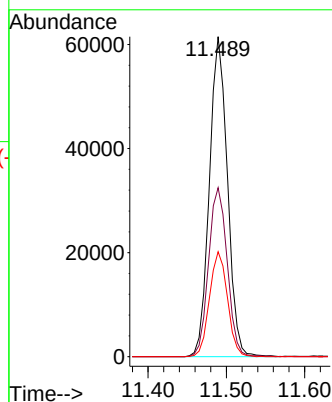
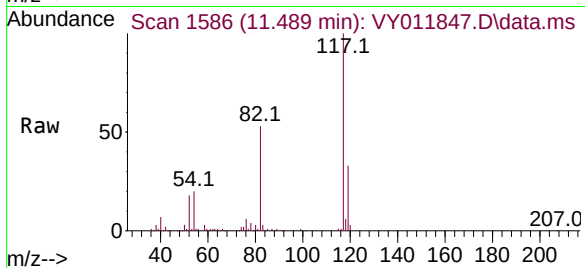
Instrument :

MSVOA_Y

ClientSampleId :

RB-27-(2.5-4.5)RE

Tgt Ion:117	Resp:	98325
Ion	Ratio	Lower Upper
117	100	
82	52.8	44.8 67.2
119	32.8	25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

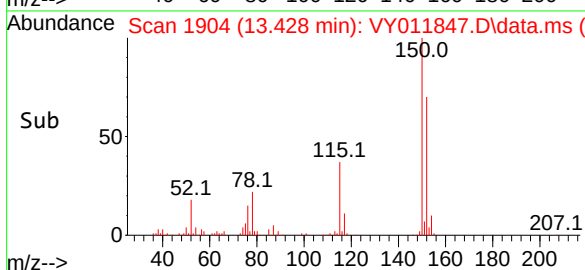
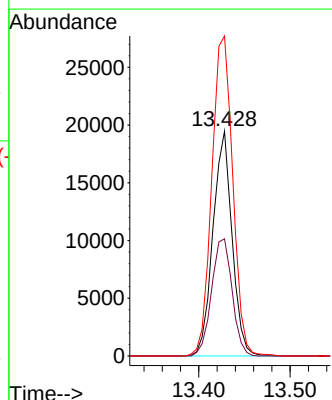
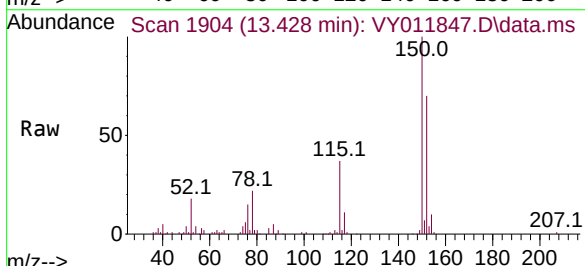
RT: 13.428 min Scan# 1904

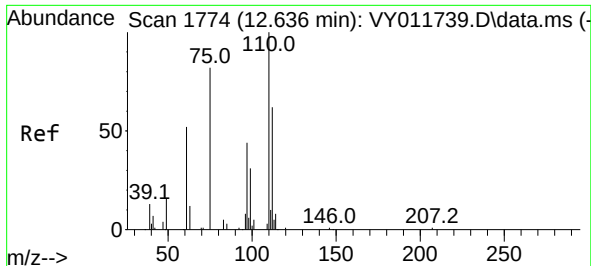
Delta R.T. -0.000 min

Lab File: VY011847.D

Acq: 14 Dec 2022 15:56

Tgt Ion:152	Resp:	28296
Ion	Ratio	Lower Upper
152	100	
115	56.0	29.1 87.3
150	155.8	0.0 342.6

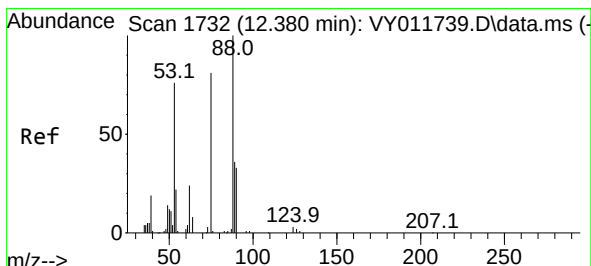
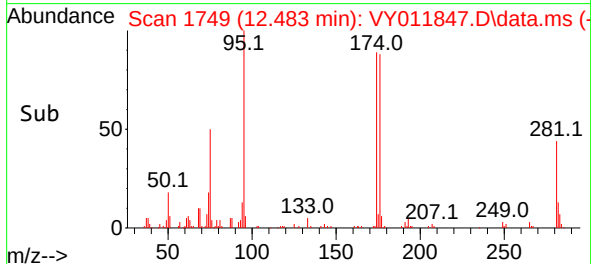
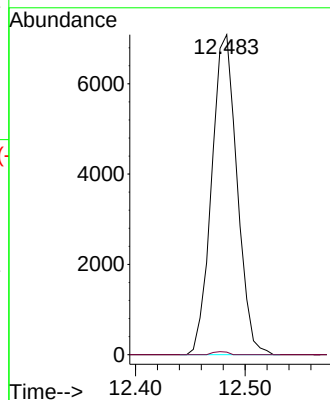
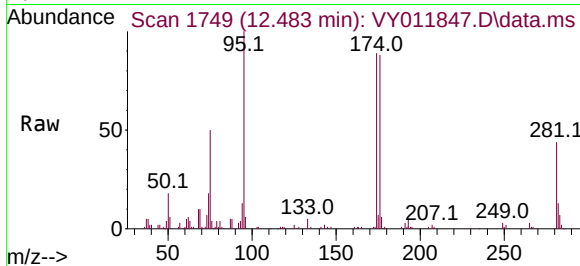




#76
1,2,3-Trichloropropane
Concen: 39.891 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011847.D
Acq: 14 Dec 2022 15:56

Instrument :
MSVOA_Y
ClientSampleId :
RB-27-(2.5-4.5)RE

Tgt Ion: 75 Resp: 11420
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.520 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011847.D
Acq: 14 Dec 2022 15:56

Tgt Ion: 75 Resp: 11420
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.2 37.0 55.4#

