

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060123\
 Data File : VY013969.D
 Acq On : 01 Jun 2023 17:15
 Operator : KP/MD
 Sample : 02983-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB19RE

Quant Time: Jun 02 07:28:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060123S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 02 07:00:14 2023
 Response via : Initial Calibration

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

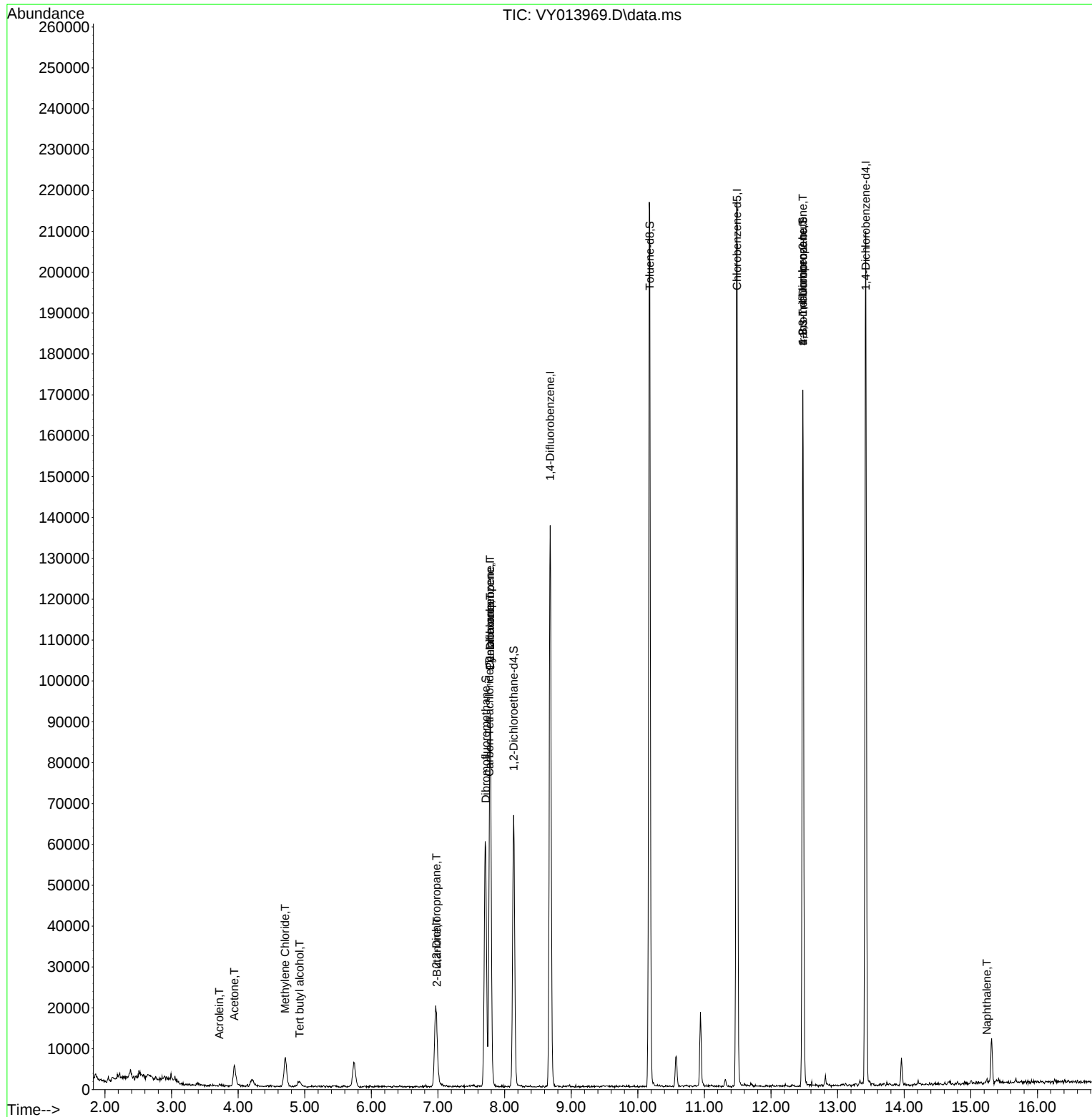
Internal Standards						
1) Pentafluorobenzene	7.783	168	70203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	115584	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	116567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	53864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	53779	57.869	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.740%			
35) Dibromofluoromethane	7.716	113	41477	56.466	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.940%			
50) Toluene-d8	10.179	98	140802	50.253	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.500%			
62) 4-Bromofluorobenzene	12.477	95	45642	47.782	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.560%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.924	59	1700	8.901	ug/l #	89
13) Acrolein	3.717	56	186	2.127	ug/l #	46
16) Acetone	3.942	43	8701	27.366	ug/l	98
20) Methylene Chloride	4.704	84	4879	1.825	ug/l	94
25) 2-Butanone	6.984	43	1188	2.999	ug/l #	65
26) 2,2-Dichloropropane	6.978	77	1458	1.134	ug/l #	54
31) Cyclohexane	7.783	56	1643	1.468	ug/l #	30
36) 1,1-Dichloropropene	7.783	75	5267	5.033	ug/l #	50
38) Carbon Tetrachloride	7.771	117	7121	6.072	ug/l #	17
76) 1,2,3-Trichloropropane	12.477	75	25723	35.488	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	25723	75.287	ug/l #	11
95) Naphthalene	15.239	128	925	4.220	ug/l #	80

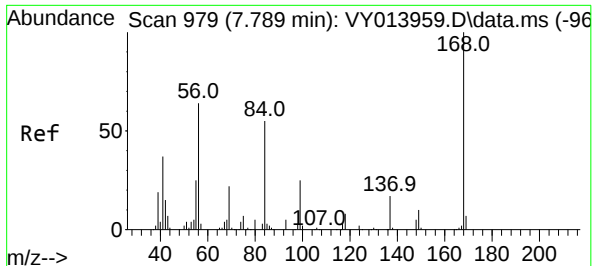
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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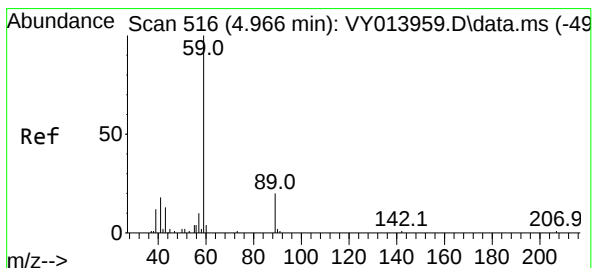
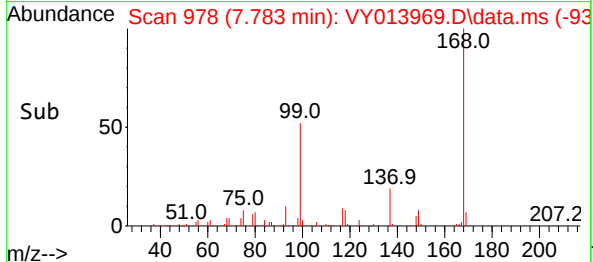
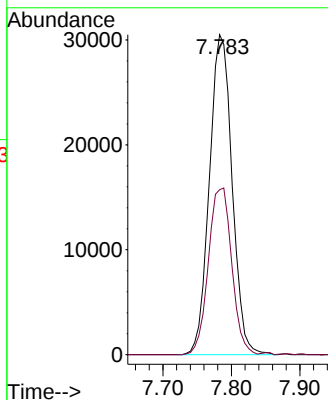
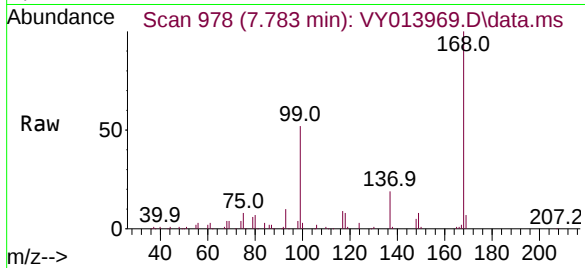




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013969.D
Acq: 01 Jun 2023 17:15

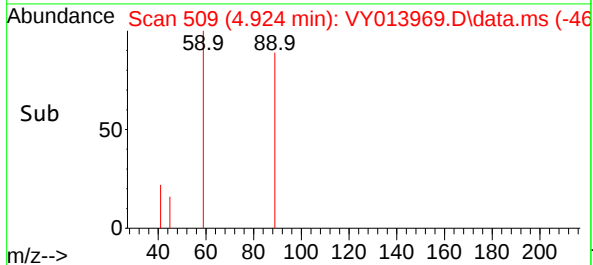
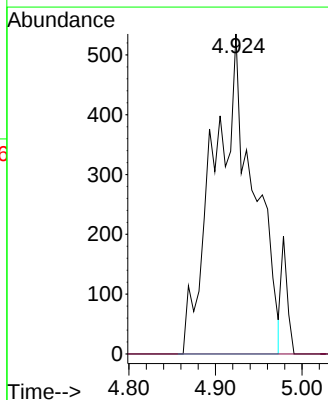
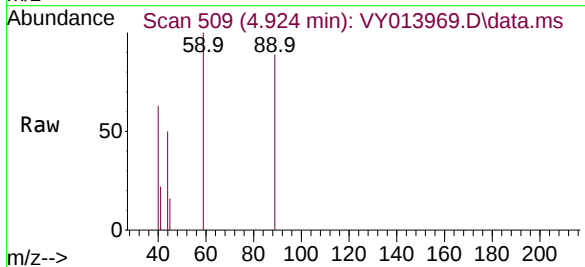
Instrument :
MSVOA_Y
ClientSampleId :
SB19RE

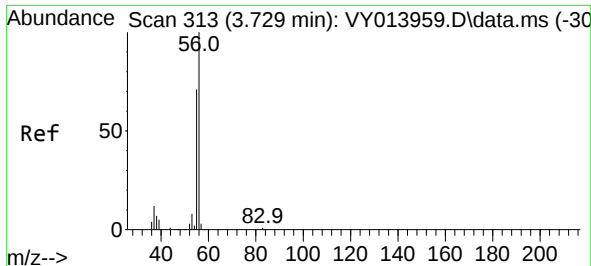
Tgt Ion:168 Resp: 70203
Ion Ratio Lower Upper
168 100
99 51.6 43.4 65.0



#11
Tert butyl alcohol
Concen: 8.901 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.042 min
Lab File: VY013969.D
Acq: 01 Jun 2023 17:15

Tgt Ion: 59 Resp: 1700
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#

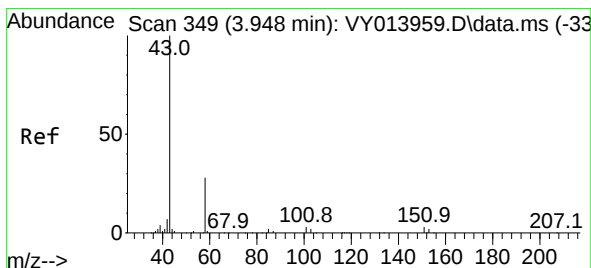
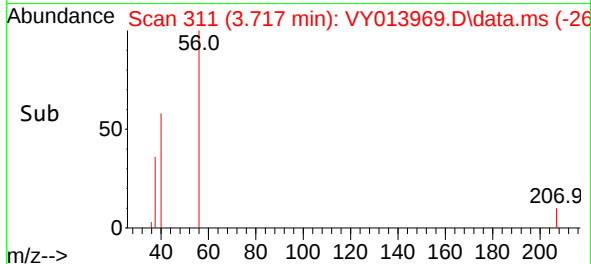
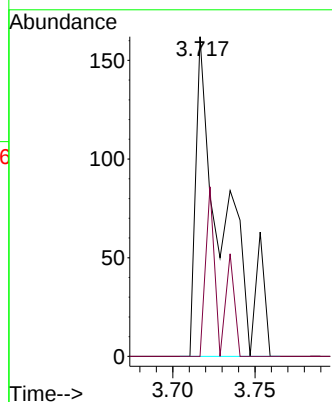
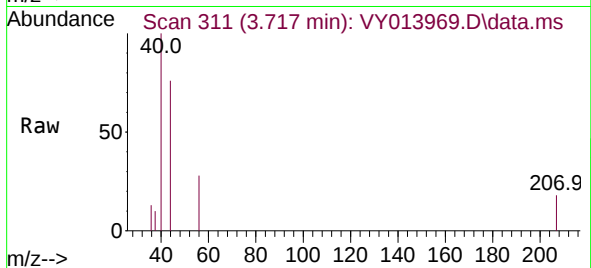




#13
Acrolein
Concen: 2.127 ug/l
RT: 3.717 min Scan# 311
Delta R.T. -0.012 min
Lab File: VY013969.D
Acq: 01 Jun 2023 17:15

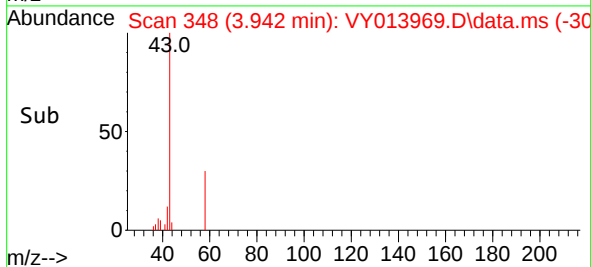
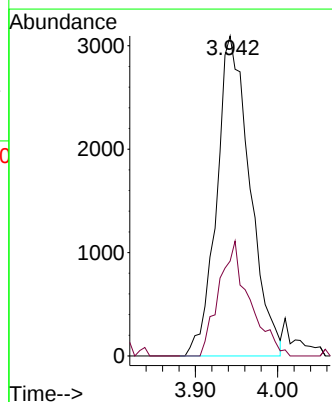
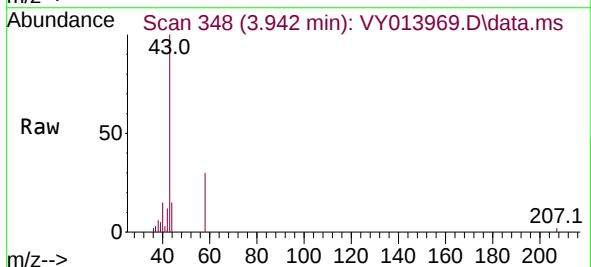
Instrument :
MSVOA_Y
ClientSampleId :
SB19RE

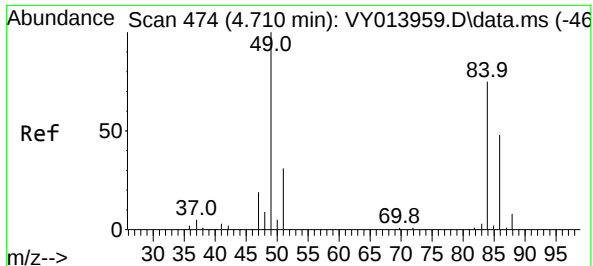
Tgt Ion: 56 Resp: 186
Ion Ratio Lower Upper
56 100
55 26.9 57.0 85.4#



#16
Acetone
Concen: 27.366 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY013969.D
Acq: 01 Jun 2023 17:15

Tgt Ion: 43 Resp: 8701
Ion Ratio Lower Upper
43 100
58 29.7 22.7 34.1





#20

Methylene Chloride

Concen: 1.825 ug/l

RT: 4.704 min Scan# 41

Delta R.T. -0.006 min

Lab File: VY013969.D

Acq: 01 Jun 2023 17:15

Instrument :

MSVOA_Y

ClientSampleId :

SB19RE

Tgt Ion: 84 Resp: 4879

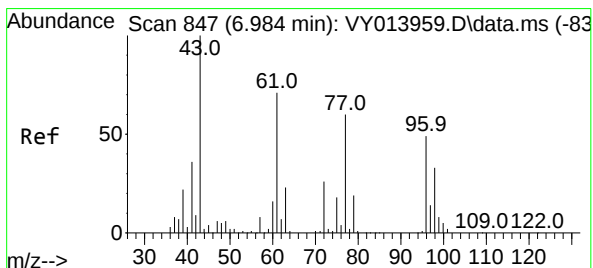
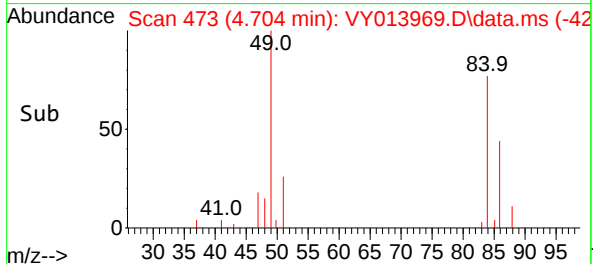
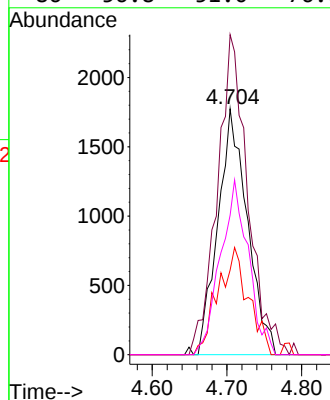
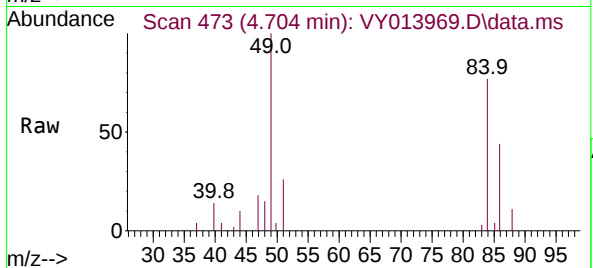
Ion Ratio Lower Upper

84 100

49 130.2 106.9 160.3

51 34.4 33.2 49.8

86 56.8 51.0 76.6



#25

2-Butanone

Concen: 2.999 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.000 min

Lab File: VY013969.D

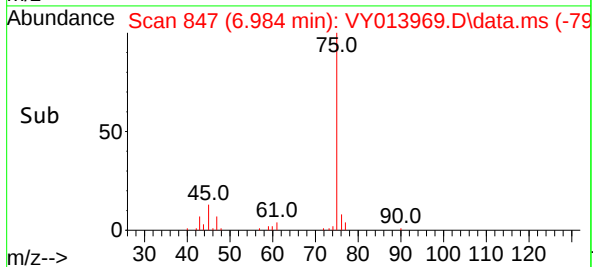
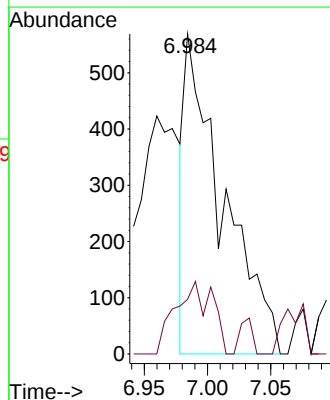
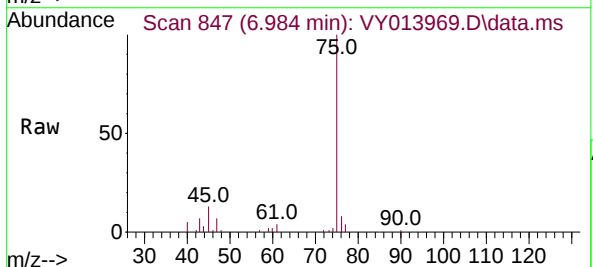
Acq: 01 Jun 2023 17:15

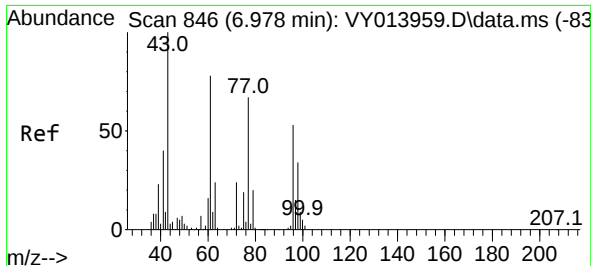
Tgt Ion: 43 Resp: 1188

Ion Ratio Lower Upper

43 100

72 7.7 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 1.134 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.000 min

Lab File: VY013969.D

Acq: 01 Jun 2023 17:15

Instrument :

MSVOA_Y

ClientSampleId :

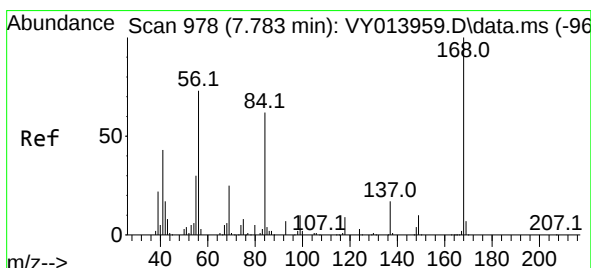
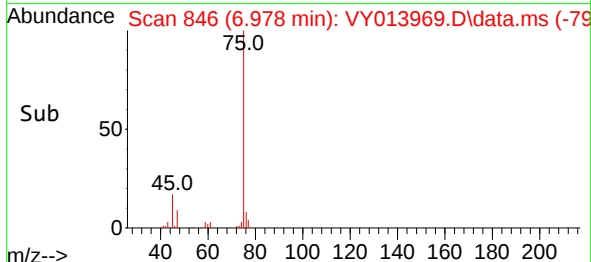
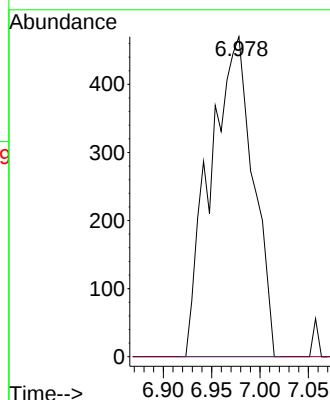
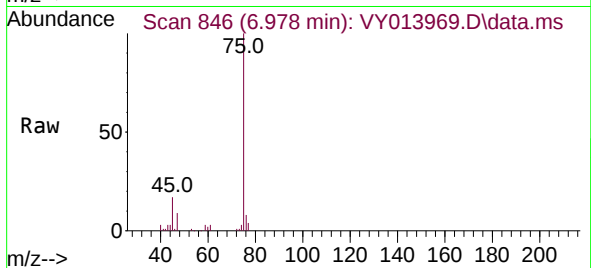
SB19RE

Tgt Ion: 77 Resp: 1458

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 1.468 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY013969.D

Acq: 01 Jun 2023 17:15

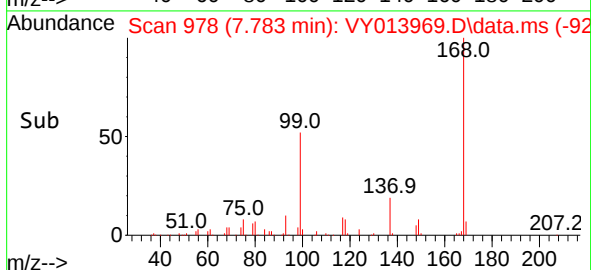
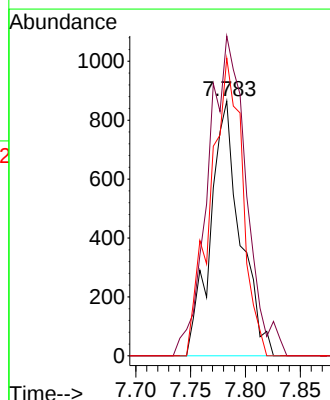
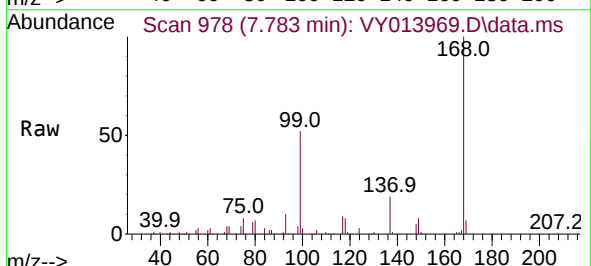
Tgt Ion: 56 Resp: 1643

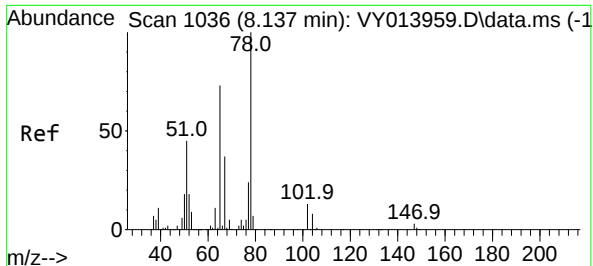
Ion Ratio Lower Upper

56 100

69 119.1 27.8 41.6#

84 116.9 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 57.869 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VY013969.D

Acq: 01 Jun 2023 17:15

Instrument :

MSVOA_Y

ClientSampleId :

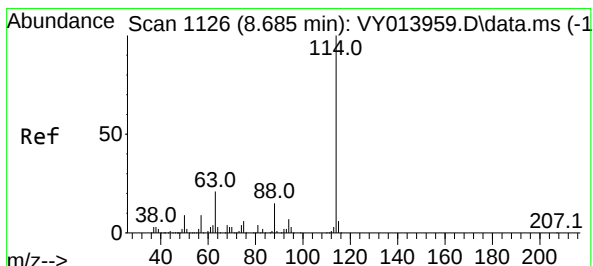
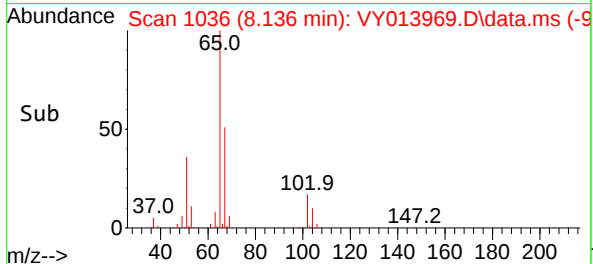
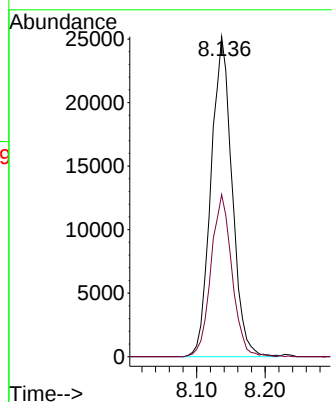
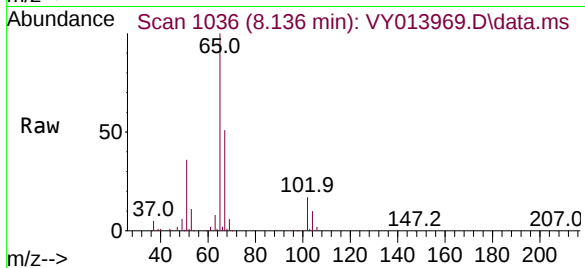
SB19RE

Tgt Ion: 65 Resp: 53779

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY013969.D

Acq: 01 Jun 2023 17:15

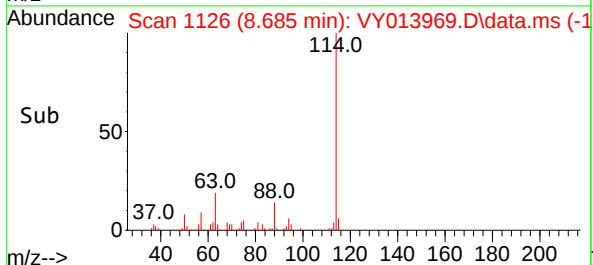
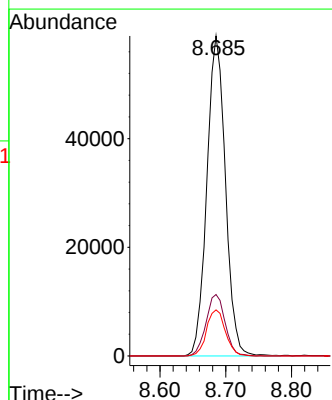
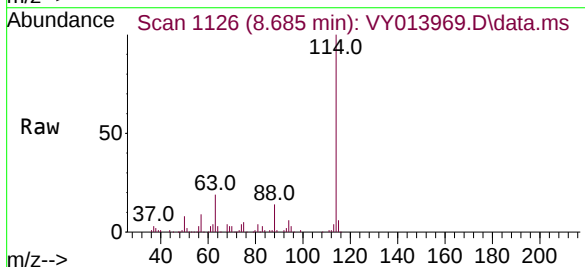
Tgt Ion:114 Resp: 115584

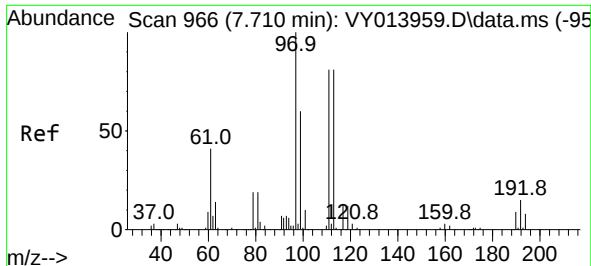
Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 14.4 0.0 30.6

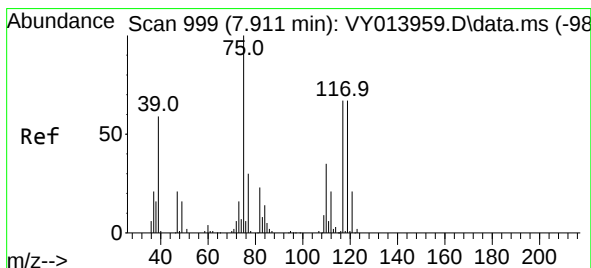
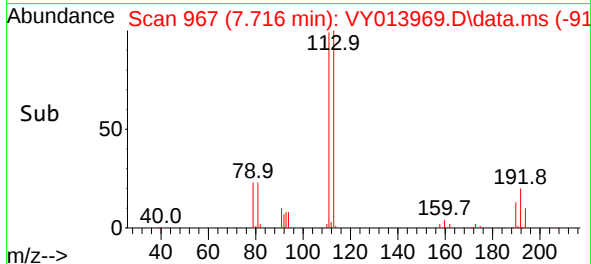
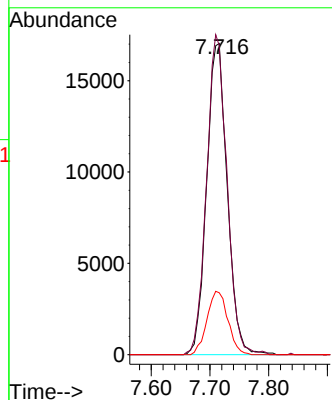
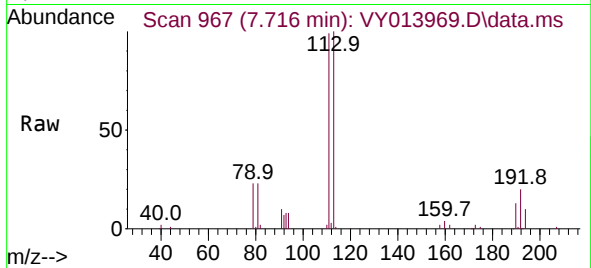




#35
Dibromofluoromethane
Concen: 56.466 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY013969.D
Acq: 01 Jun 2023 17:15

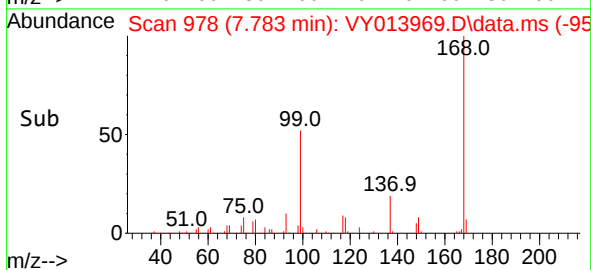
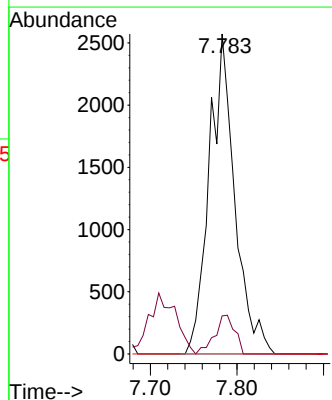
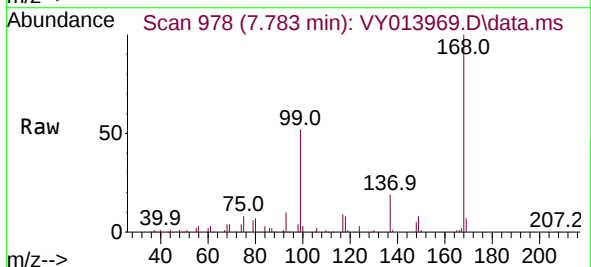
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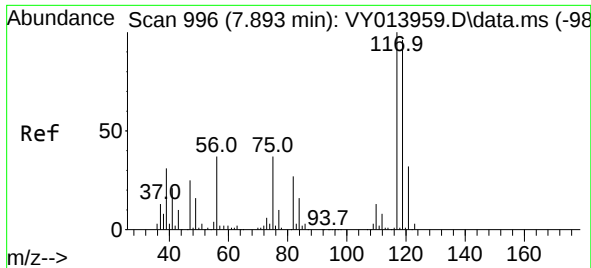
Tgt Ion:113 Resp: 41477
Ion Ratio Lower Upper
113 100
111 102.0 81.3 121.9
192 20.6 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.033 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY013969.D
Acq: 01 Jun 2023 17:15

Tgt Ion: 75 Resp: 5267
Ion Ratio Lower Upper
75 100
110 9.5 17.8 53.5#
77 0.0 24.4 36.6#

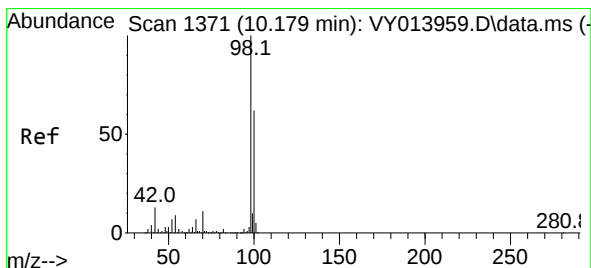
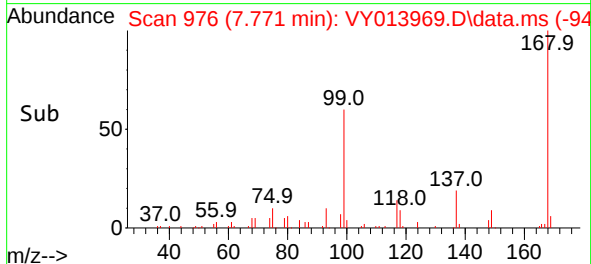
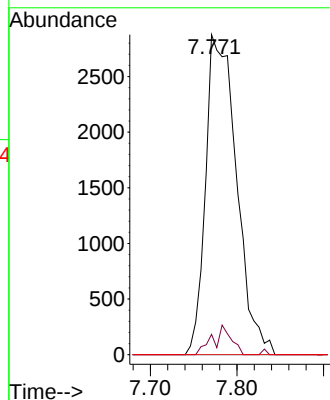
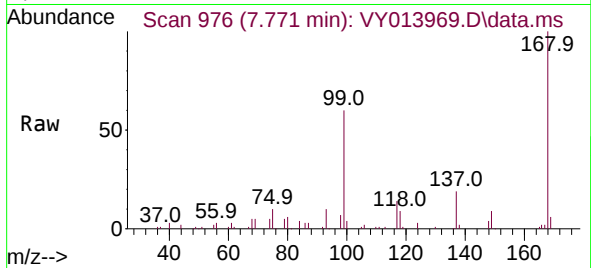




#38
Carbon Tetrachloride
Concen: 6.072 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY013969.D
Acq: 01 Jun 2023 17:15

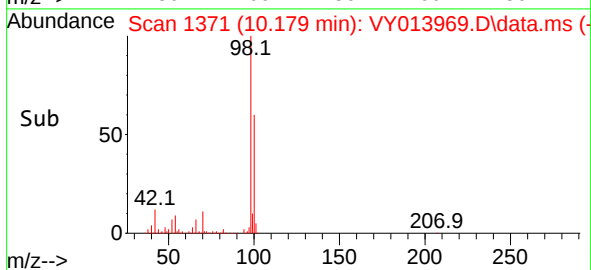
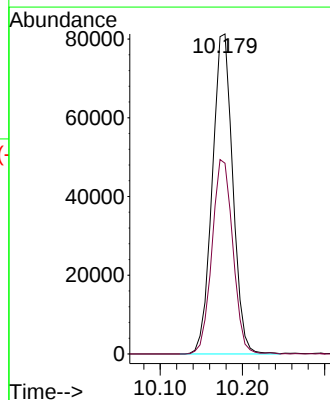
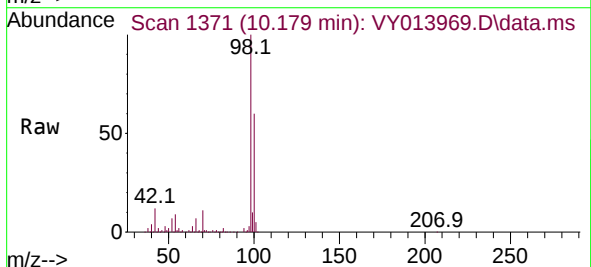
Instrument :
MSVOA_Y
ClientSampleId :
SB19RE

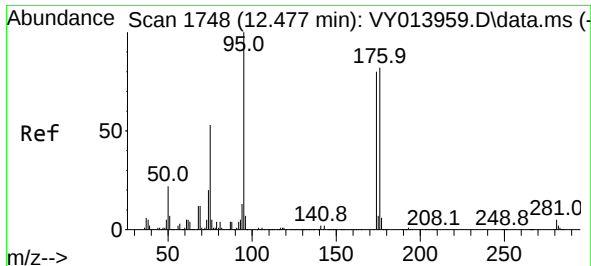
Tgt Ion:117 Resp: 7121
Ion Ratio Lower Upper
117 100
119 6.4 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.253 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY013969.D
Acq: 01 Jun 2023 17:15

Tgt Ion: 98 Resp: 140802
Ion Ratio Lower Upper
98 100
100 61.8 50.1 75.1

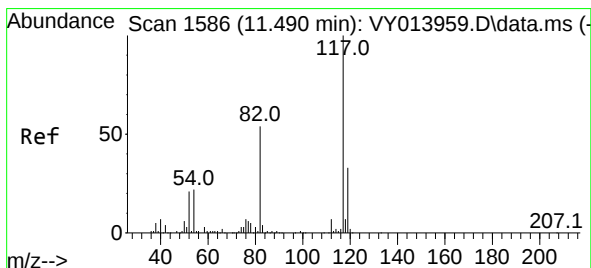
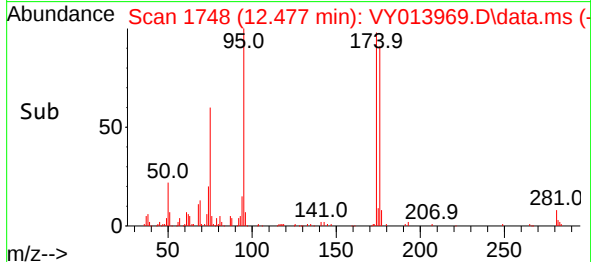
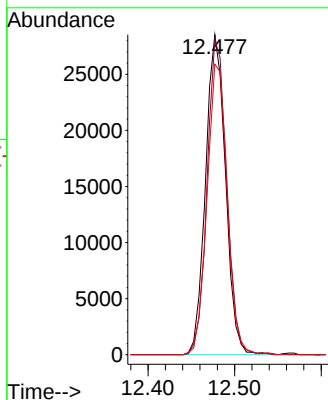
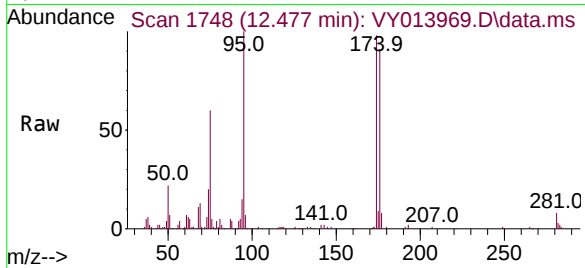




#62
4-Bromofluorobenzene
Concen: 47.782 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013969.D
Acq: 01 Jun 2023 17:15

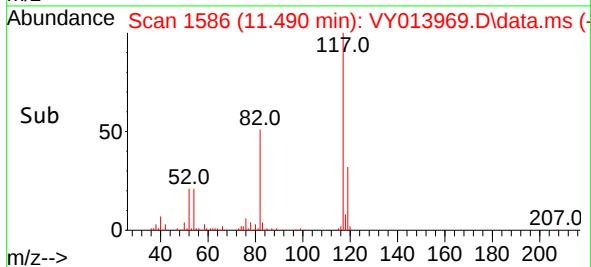
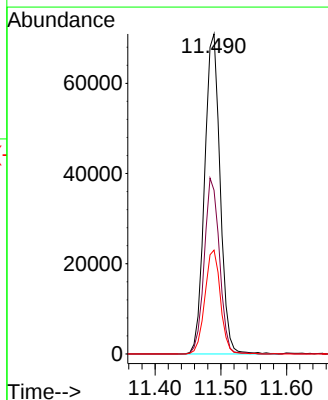
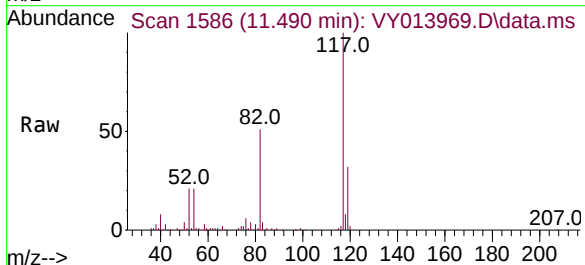
Instrument :
MSVOA_Y
ClientSampleId :
SB19RE

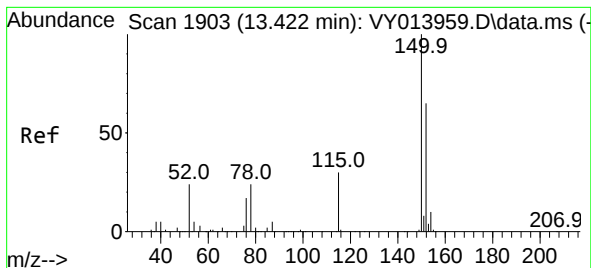
Tgt Ion: 95 Resp: 45642
Ion Ratio Lower Upper
95 100
174 96.6 0.0 178.2
176 92.5 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013969.D
Acq: 01 Jun 2023 17:15

Tgt Ion: 117 Resp: 116567
Ion Ratio Lower Upper
117 100
82 51.2 43.4 65.0
119 32.4 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY013969.D

Acq: 01 Jun 2023 17:15

Instrument :

MSVOA_Y

ClientSampleId :

SB19RE

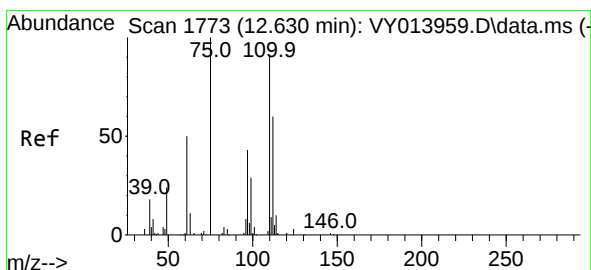
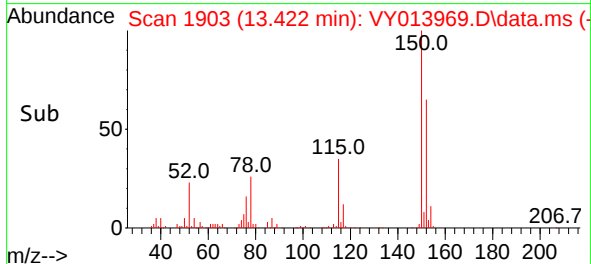
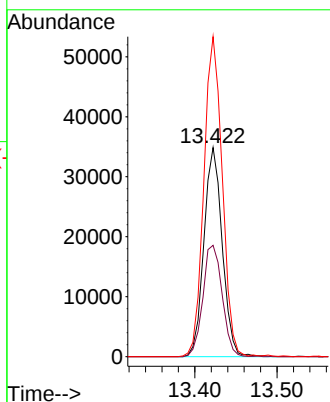
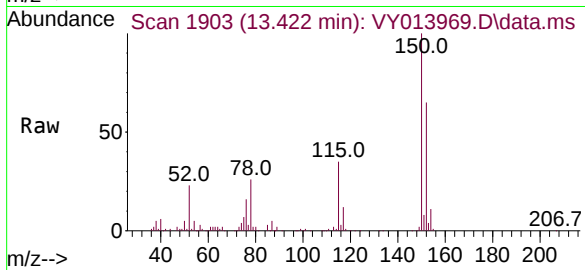
Tgt Ion:152 Resp: 53864

Ion Ratio Lower Upper

152 100

115 56.2 28.8 86.5

150 154.1 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 35.488 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY013969.D

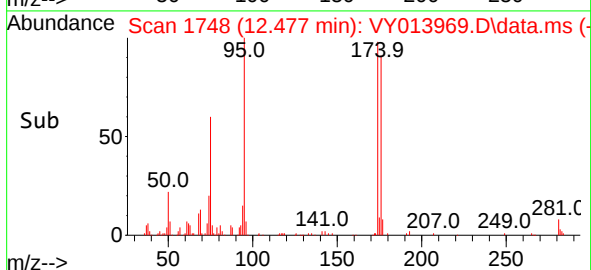
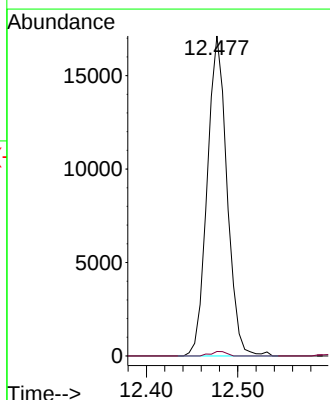
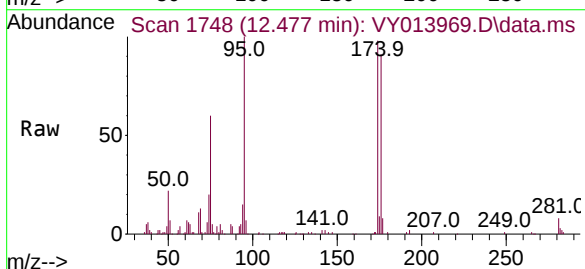
Acq: 01 Jun 2023 17:15

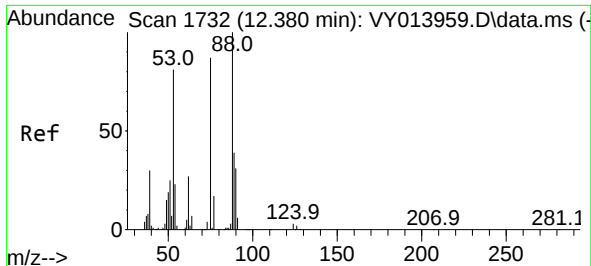
Tgt Ion: 75 Resp: 25723

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#

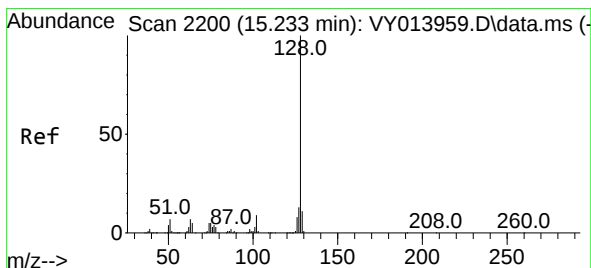
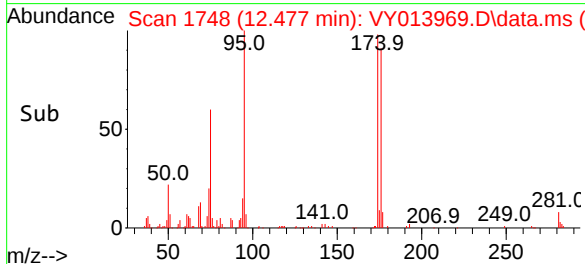
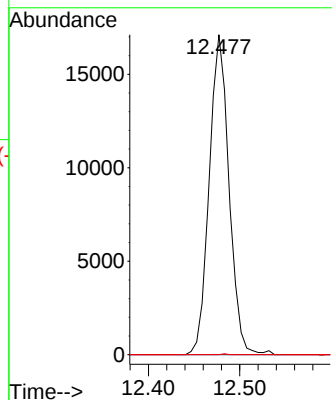
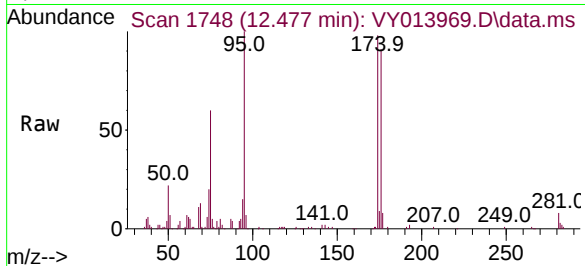




#81
trans-1,4-Dichloro-2-butene
Concen: 75.287 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.097 min
Lab File: VY013969.D
Acq: 01 Jun 2023 17:15

Instrument :
MSVOA_Y
ClientSampleId :
SB19RE

Tgt Ion: 75 Resp: 25723
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.1 37.4 56.0#



#95
Naphthalene
Concen: 4.220 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY013969.D
Acq: 01 Jun 2023 17:15

Tgt Ion:128 Resp: 925
Ion Ratio Lower Upper
128 100
127 8.2 10.8 16.2#
129 0.0 8.6 13.0#

