

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015270.D
 Acq On : 23 Aug 2023 01:49
 Operator : SY/MD
 Sample : 04110-11
 Misc : 5.36g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-12(5-7)

Quant Time: Aug 23 04:59:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

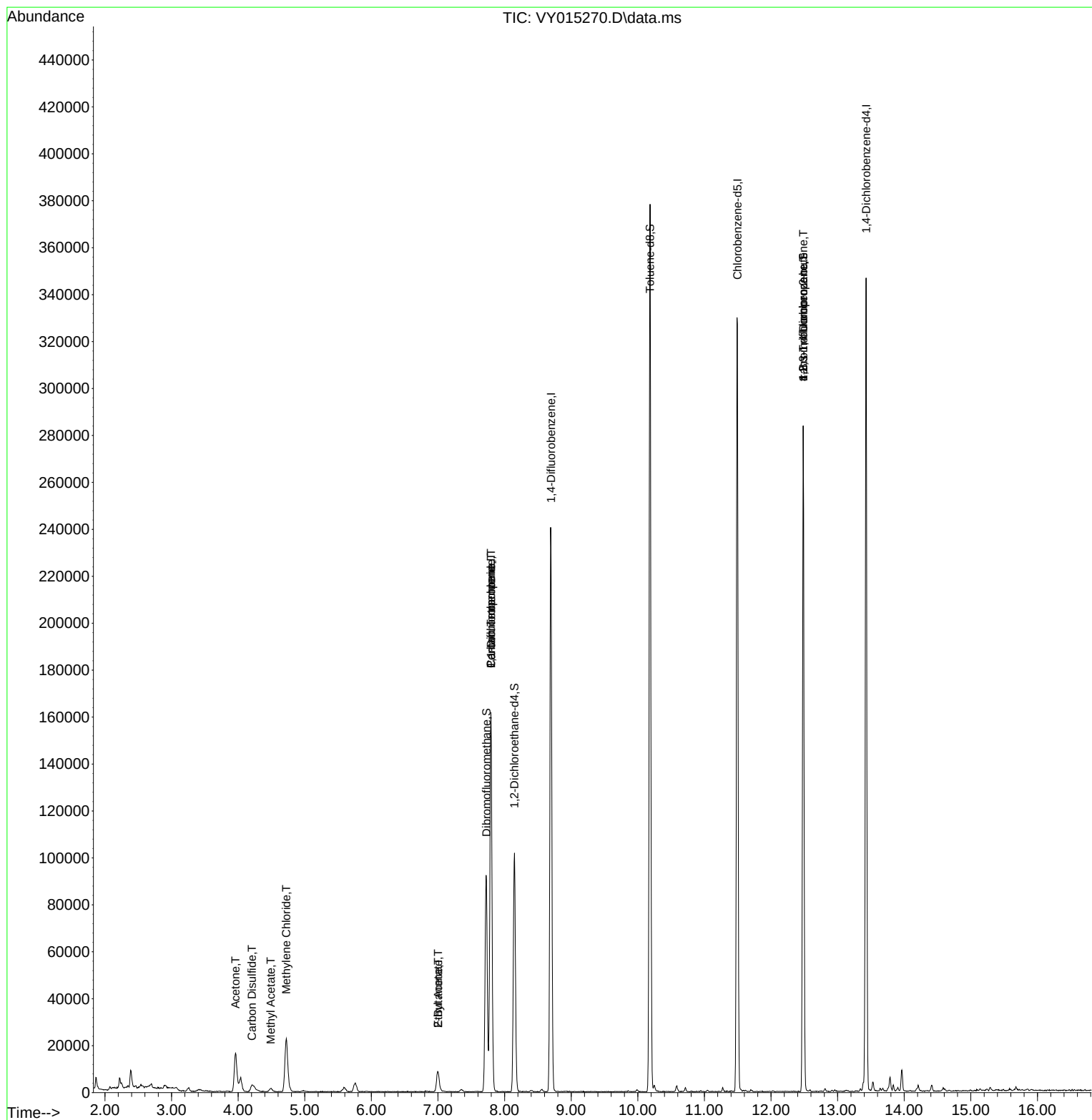
Internal Standards						
1) Pentafluorobenzene	7.795	168	126562	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	204820	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	182992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	85052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	80193	52.784	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.560%			
35) Dibromofluoromethane	7.728	113	64485	48.938	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.880%			
50) Toluene-d8	10.185	98	240952	49.122	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.240%			
62) 4-Bromofluorobenzene	12.483	95	78200	43.648	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.300%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	218	Below Cal	#	43
5) Bromomethane	2.662	94	202	Below Cal	#	77
11) Tert butyl alcohol	4.972	59	812	Below Cal	#	89
13) Acrolein	3.747	56	150	Below Cal		99
16) Acetone	3.960	43	31108	62.678	ug/l	93
17) Carbon Disulfide	4.204	76	3838	2.476	ug/l #	95
18) Methyl Acetate	4.491	43	2854	1.569	ug/l	93
20) Methylene Chloride	4.722	84	17141	11.038	ug/l #	82
25) 2-Butanone	7.003	43	15366	21.866	ug/l	96
31) Cyclohexane	7.789	56	2779	Below Cal	#	6
36) 1,1-Dichloropropene	7.795	75	9738	6.680	ug/l #	49
37) Ethyl Acetate	7.003	43	15366	11.308	ug/l #	71
38) Carbon Tetrachloride	7.795	117	12306	7.133	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	43063	41.674	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	43063	91.537	ug/l #	11

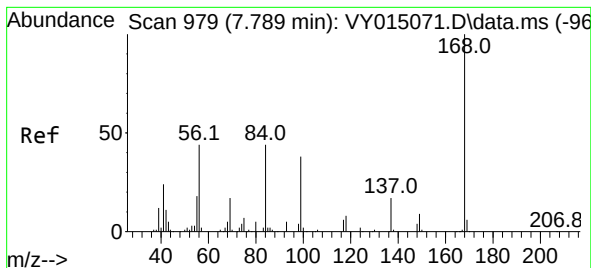
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.795 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY015270.D

Acq: 23 Aug 2023 01:49

Instrument :

MSVOA_Y

ClientSampleId :

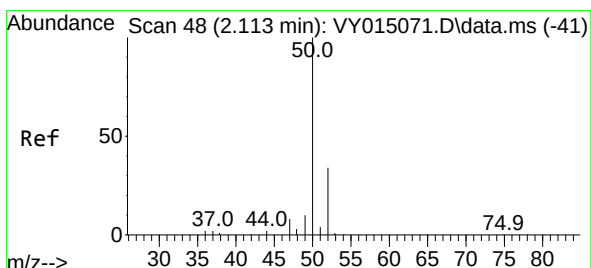
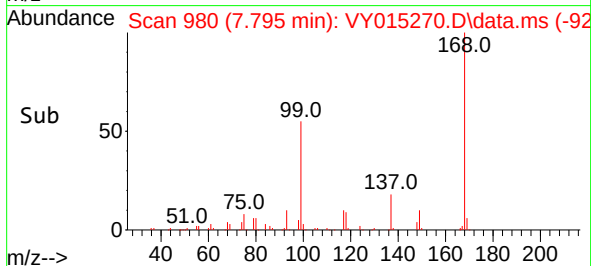
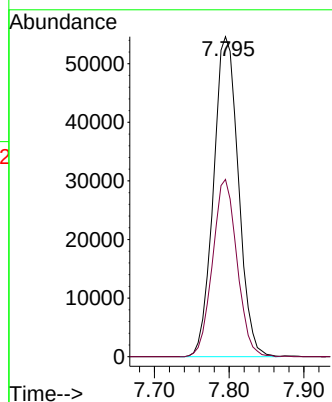
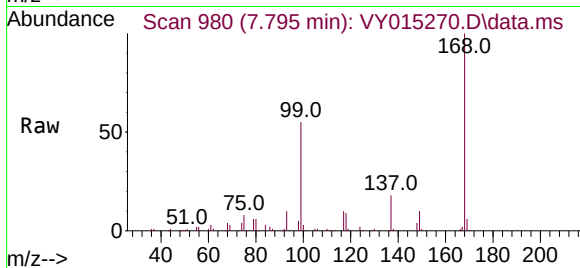
TP-12(5-7)

Tgt Ion:168 Resp: 126562

Ion Ratio Lower Upper

168 100

99 55.4 43.4 65.0



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 48

Delta R.T. 0.006 min

Lab File: VY015270.D

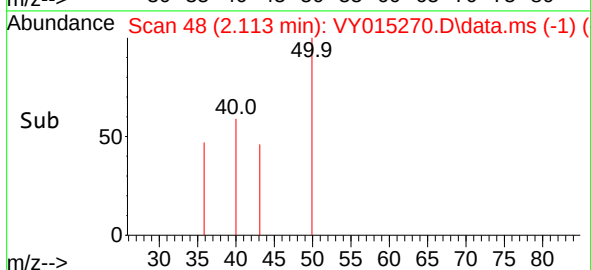
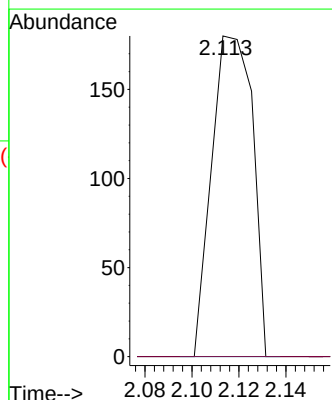
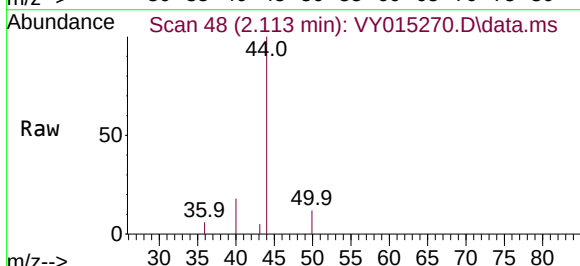
Acq: 23 Aug 2023 01:49

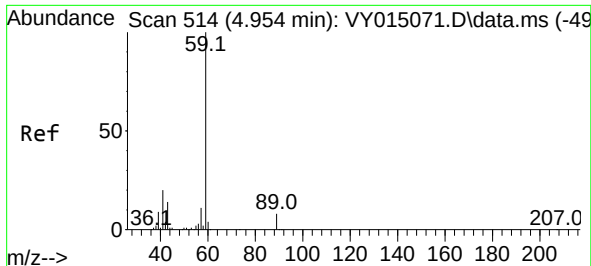
Tgt Ion: 50 Resp: 218

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.2#

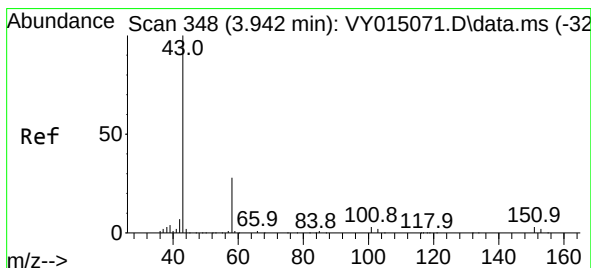
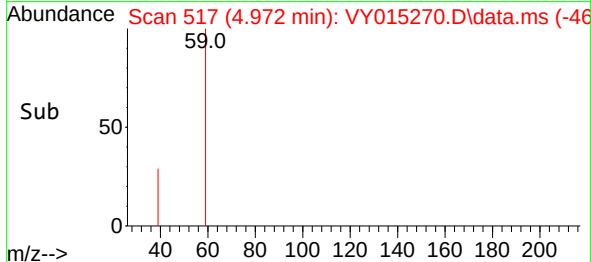
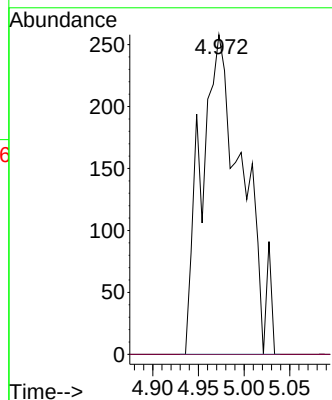
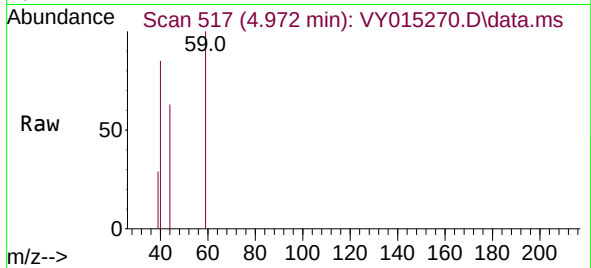




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.972 min Scan# 514
Delta R.T. 0.024 min
Lab File: VY015270.D
Acq: 23 Aug 2023 01:49

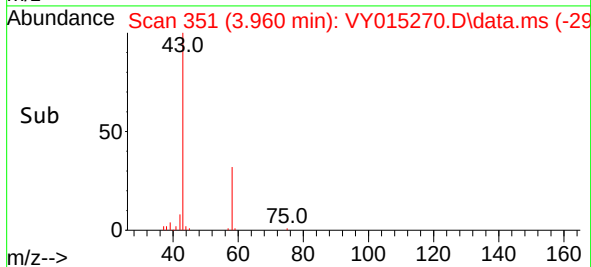
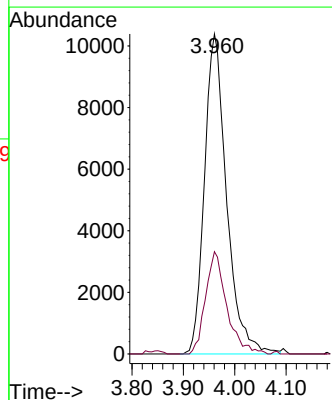
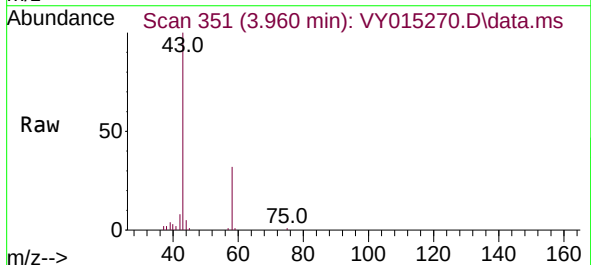
Instrument :
MSVOA_Y
ClientSampleId :
TP-12(5-7)

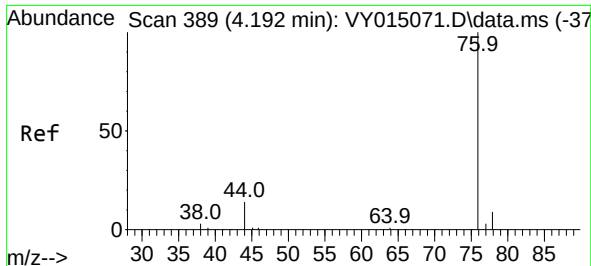
Tgt Ion: 59 Resp: 812
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 62.678 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.018 min
Lab File: VY015270.D
Acq: 23 Aug 2023 01:49

Tgt Ion: 43 Resp: 31108
Ion Ratio Lower Upper
43 100
58 31.9 22.7 34.1





#17

Carbon Disulfide

Concen: 2.476 ug/l

RT: 4.204 min Scan# 391

Delta R.T. 0.018 min

Lab File: VY015270.D

Acq: 23 Aug 2023 01:49

Instrument :

MSVOA_Y

ClientSampleId :

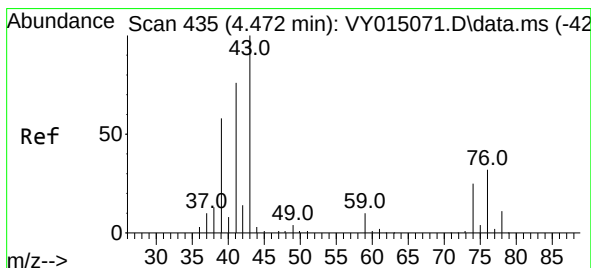
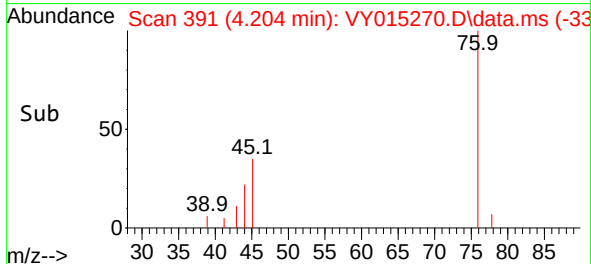
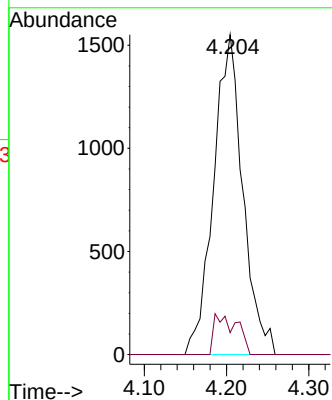
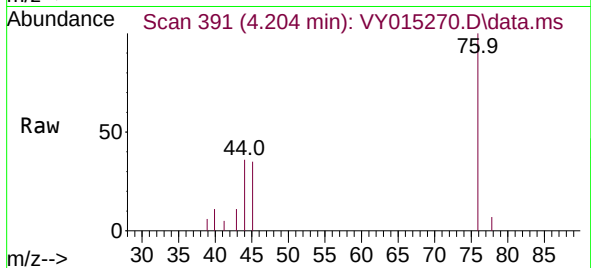
TP-12(5-7)

Tgt Ion: 76 Resp: 3838

Ion Ratio Lower Upper

76 100

78 6.9 7.0 10.4#



#18

Methyl Acetate

Concen: 1.569 ug/l

RT: 4.491 min Scan# 438

Delta R.T. 0.025 min

Lab File: VY015270.D

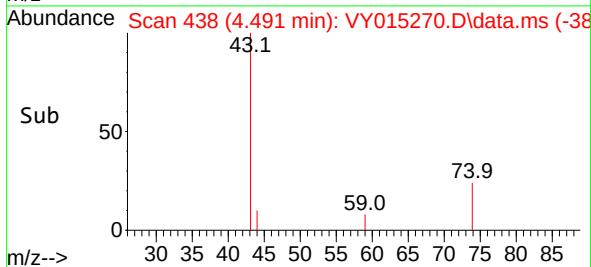
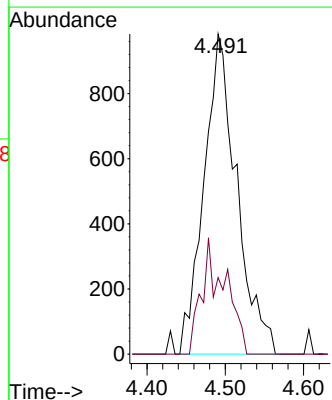
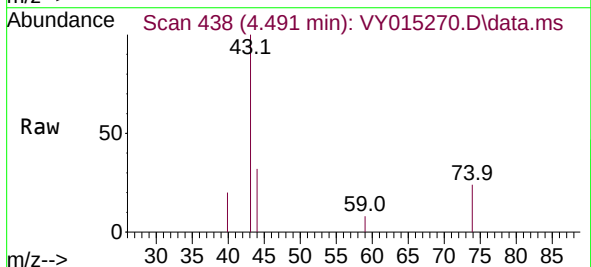
Acq: 23 Aug 2023 01:49

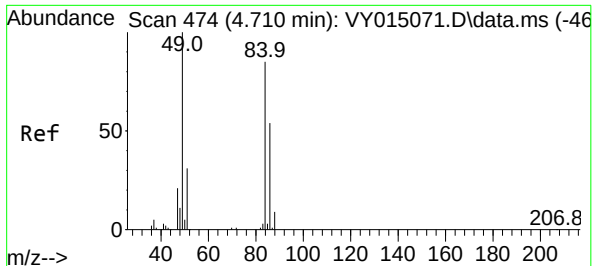
Tgt Ion: 43 Resp: 2854

Ion Ratio Lower Upper

43 100

74 18.3 17.4 26.0

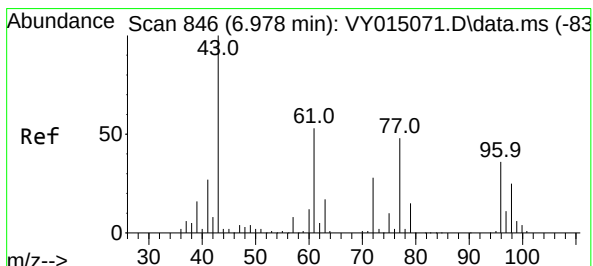
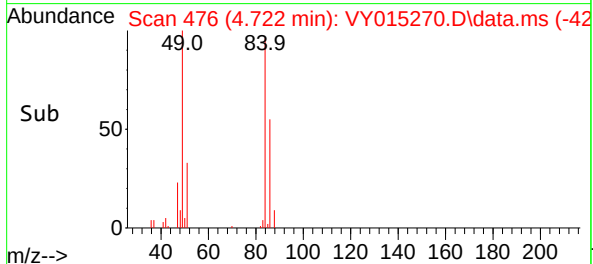
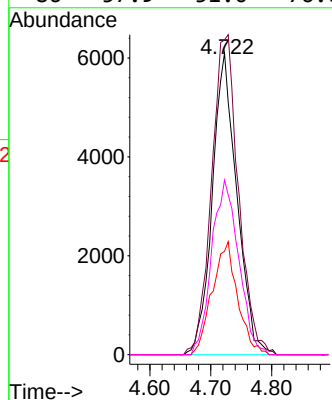
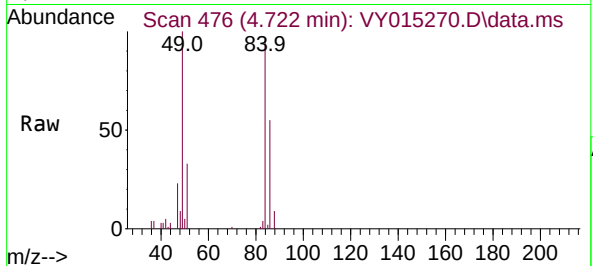




#20
Methylene Chloride
Concen: 11.038 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY015270.D
Acq: 23 Aug 2023 01:49

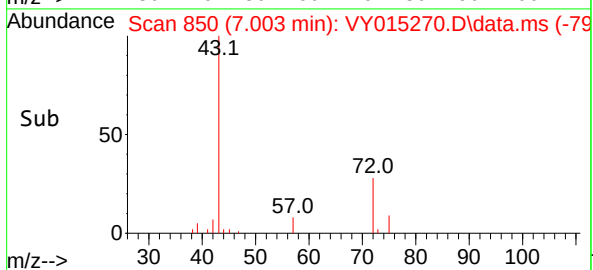
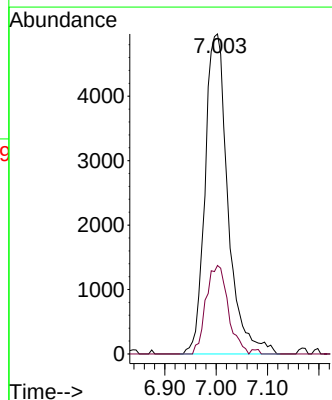
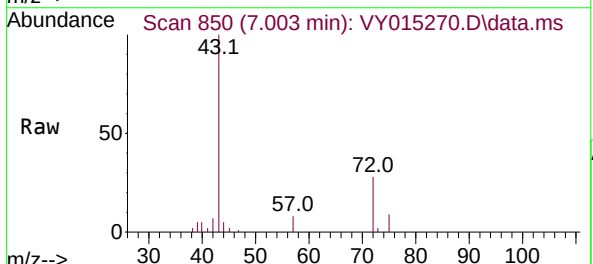
Instrument :
MSVOA_Y
ClientSampleId :
TP-12(5-7)

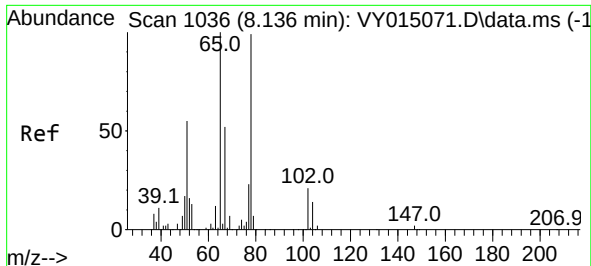
Tgt Ion: 84 Resp: 17141
Ion Ratio Lower Upper
84 100
49 104.3 106.9 160.3#
51 34.3 33.2 49.8
86 57.9 51.0 76.6



#25
2-Butanone
Concen: 21.866 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.024 min
Lab File: VY015270.D
Acq: 23 Aug 2023 01:49

Tgt Ion: 43 Resp: 15366
Ion Ratio Lower Upper
43 100
72 27.6 20.5 30.7





#33

1,2-Dichloroethane-d4

Concen: 52.784 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY015270.D

Acq: 23 Aug 2023 01:49

Instrument :

MSVOA_Y

ClientSampleId :

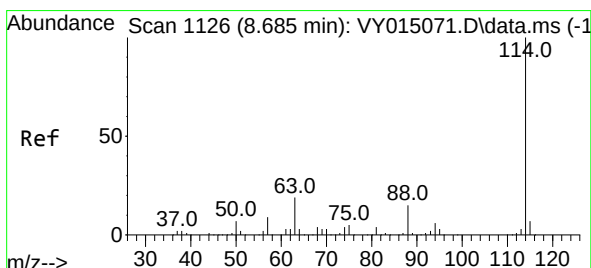
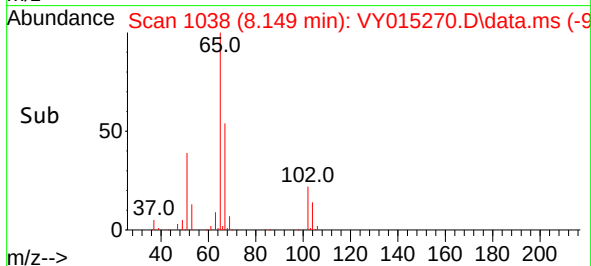
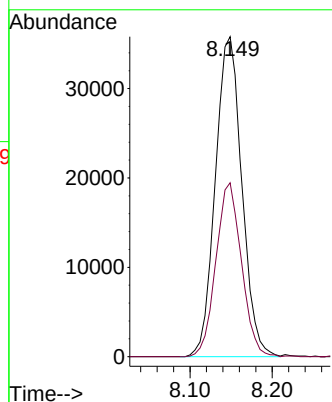
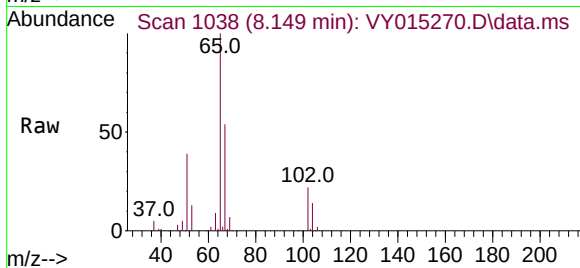
TP-12(5-7)

Tgt Ion: 65 Resp: 80193

Ion Ratio Lower Upper

65 100

67 52.4 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.012 min

Lab File: VY015270.D

Acq: 23 Aug 2023 01:49

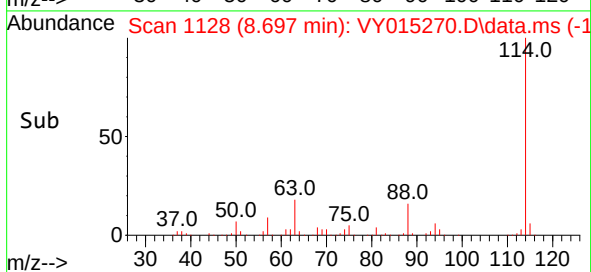
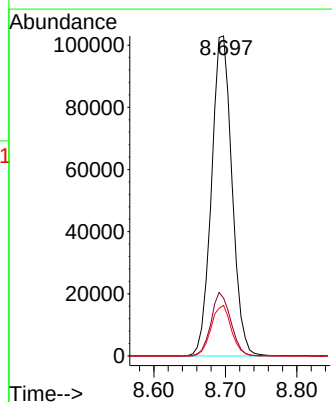
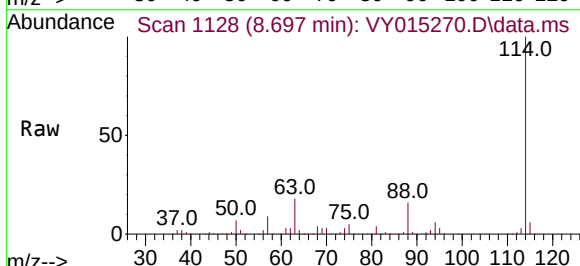
Tgt Ion: 114 Resp: 204820

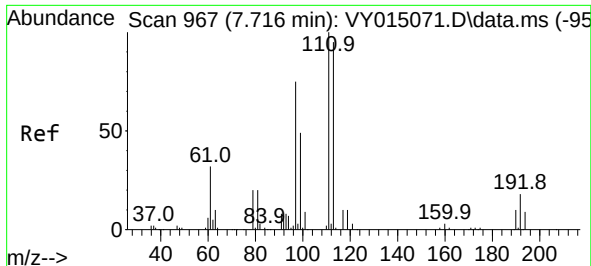
Ion Ratio Lower Upper

114 100

63 18.1 0.0 42.4

88 15.8 0.0 30.6

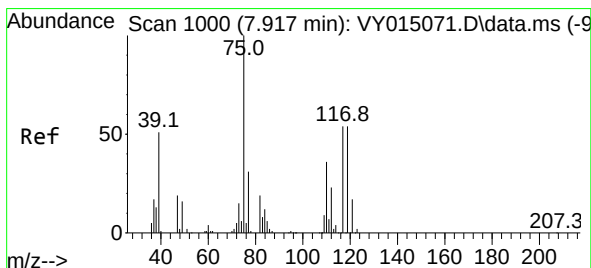
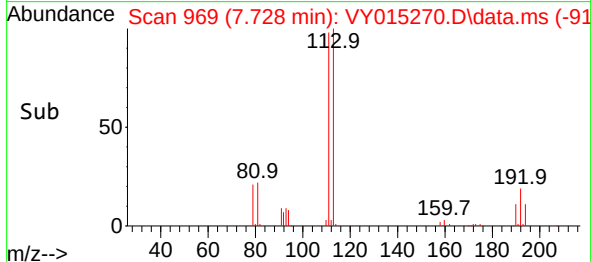
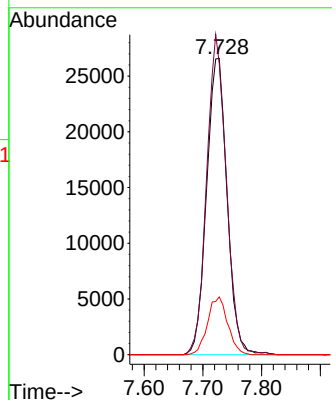
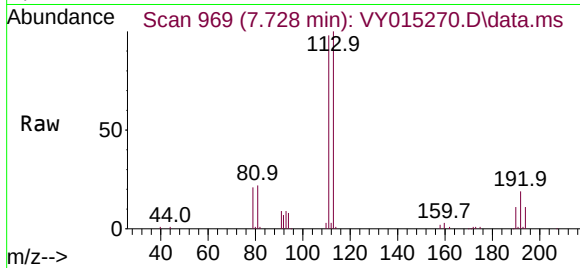




#35
Dibromofluoromethane
Concen: 48.938 ug/l
RT: 7.728 min Scan# 90
Delta R.T. 0.012 min
Lab File: VY015270.D
Acq: 23 Aug 2023 01:49

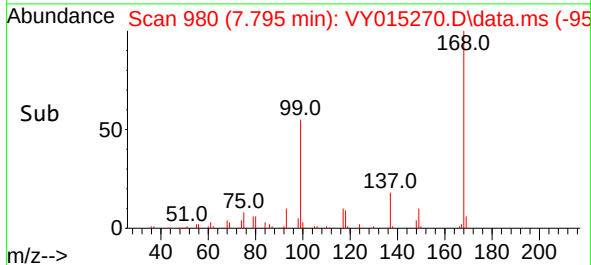
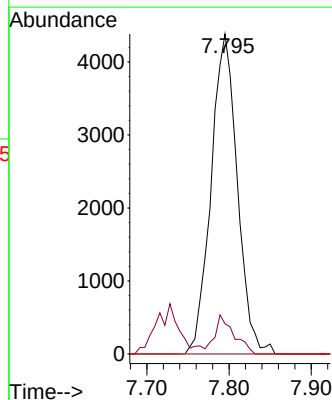
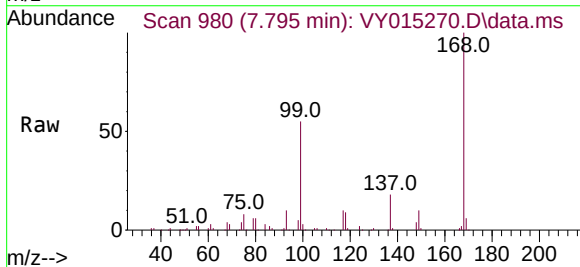
Instrument :
MSVOA_Y
ClientSampleId :
TP-12(5-7)

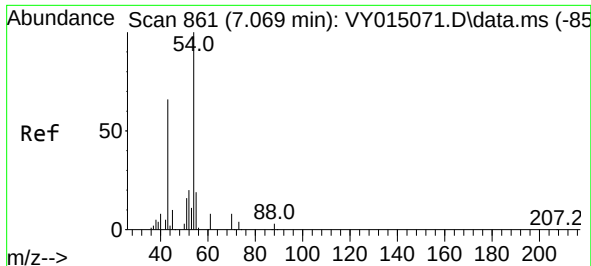
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.3	121.9
192	19.1	16.9	25.3



#36
1,1-Dichloropropene
Concen: 6.680 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY015270.D
Acq: 23 Aug 2023 01:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.8	53.5#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 11.308 ug/l

RT: 7.003 min Scan# 81

Delta R.T. -0.067 min

Lab File: VY015270.D

Acq: 23 Aug 2023 01:49

Instrument :

MSVOA_Y

ClientSampleId :

TP-12(5-7)

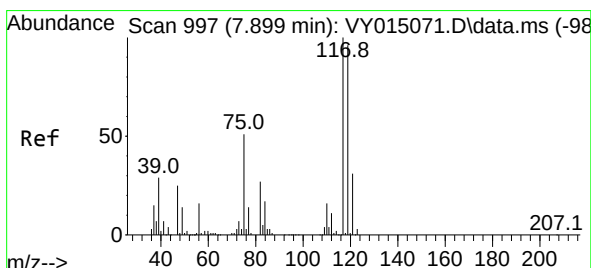
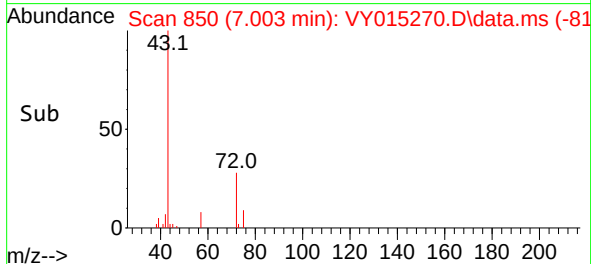
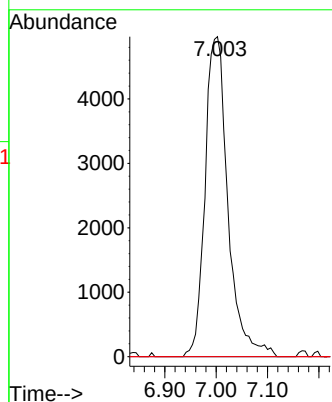
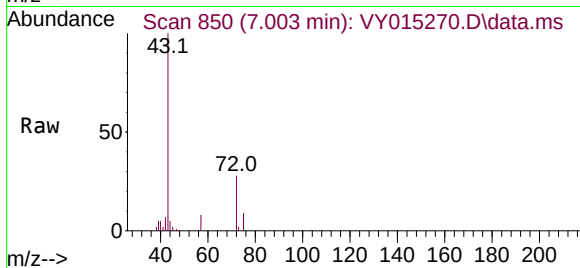
Tgt Ion: 43 Resp: 15366

Ion Ratio Lower Upper

43 100

61 0.0 10.1 15.1#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 7.133 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY015270.D

Acq: 23 Aug 2023 01:49

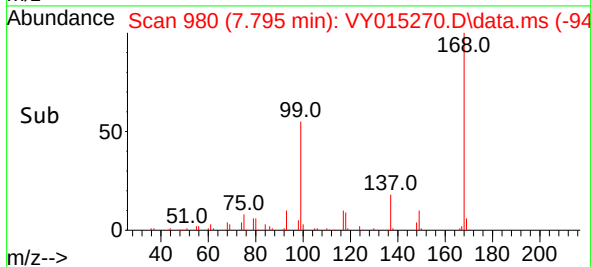
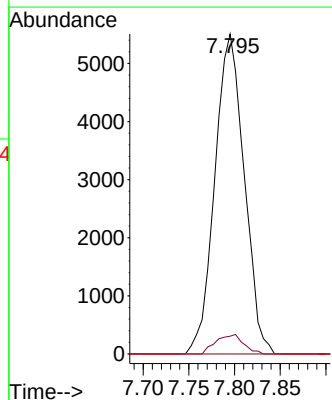
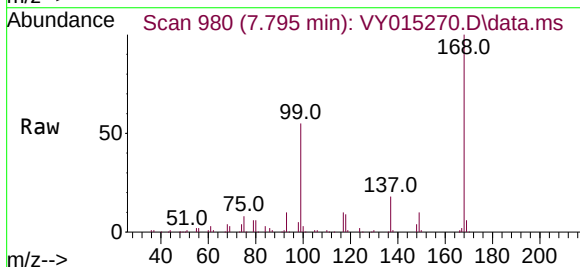
Tgt Ion: 117 Resp: 12306

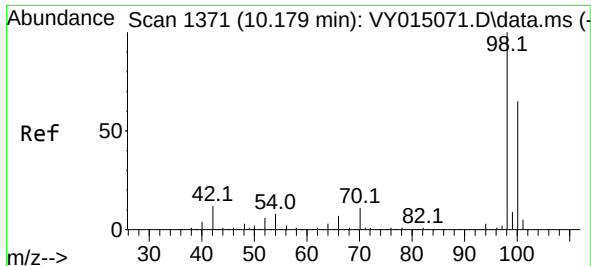
Ion Ratio Lower Upper

117 100

119 5.6 76.4 114.6#

121 0.0 25.8 38.6#

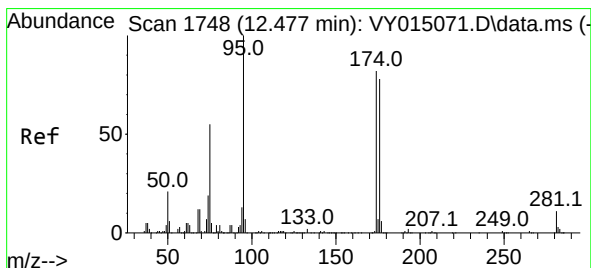
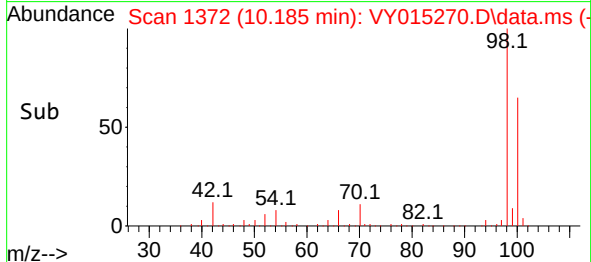
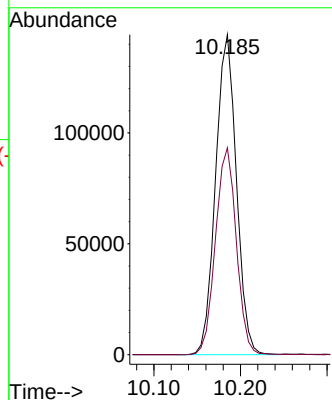
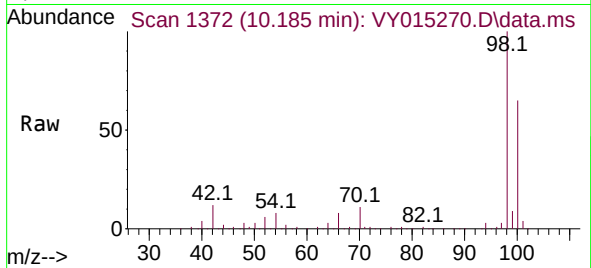




#50
Toluene-d8
Concen: 49.122 ug/l
RT: 10.185 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY015270.D
Acq: 23 Aug 2023 01:49

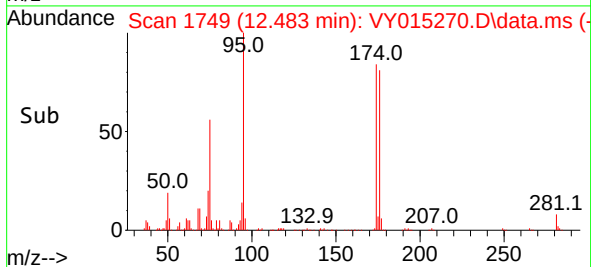
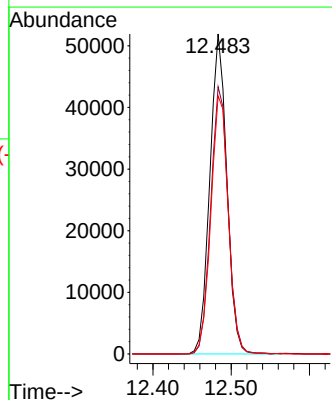
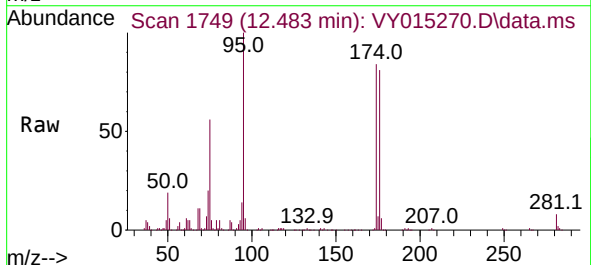
Instrument :
MSVOA_Y
ClientSampleId :
TP-12(5-7)

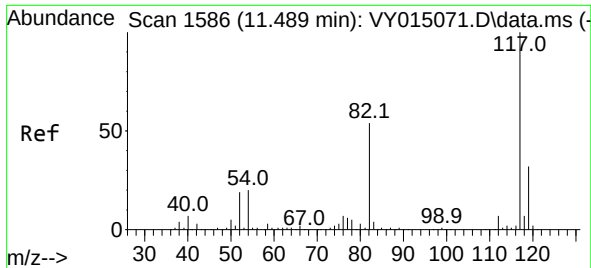
Tgt Ion: 98 Resp: 240952
Ion Ratio Lower Upper
98 100
100 64.8 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 43.648 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015270.D
Acq: 23 Aug 2023 01:49

Tgt Ion: 95 Resp: 78200
Ion Ratio Lower Upper
95 100
174 85.8 0.0 178.2
176 82.7 0.0 173.8

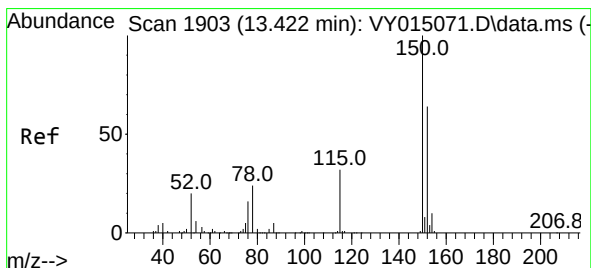
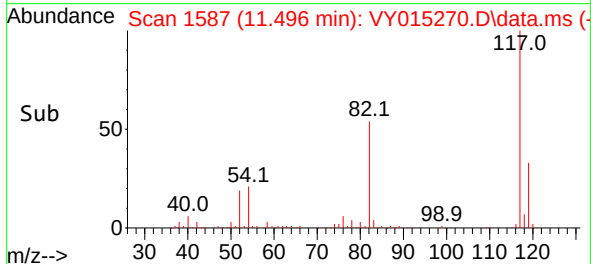
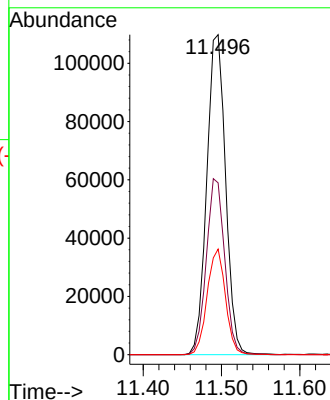
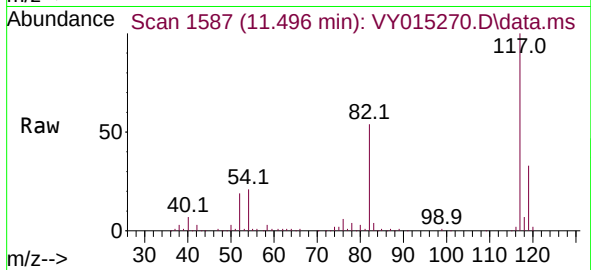




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015270.D
Acq: 23 Aug 2023 01:49

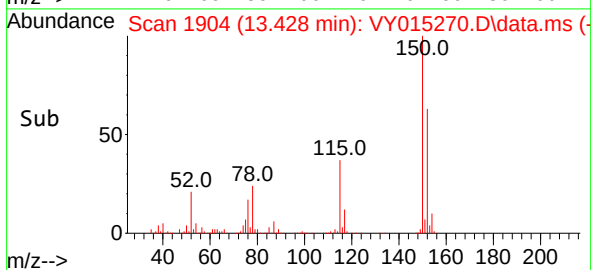
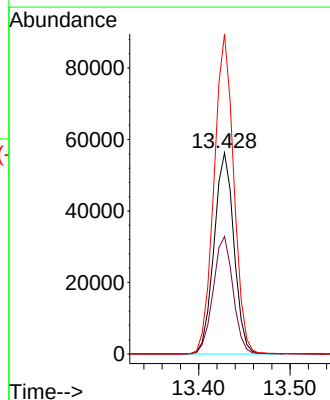
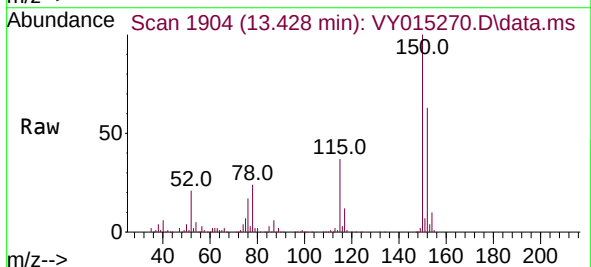
Instrument :
MSVOA_Y
ClientSampleId :
TP-12(5-7)

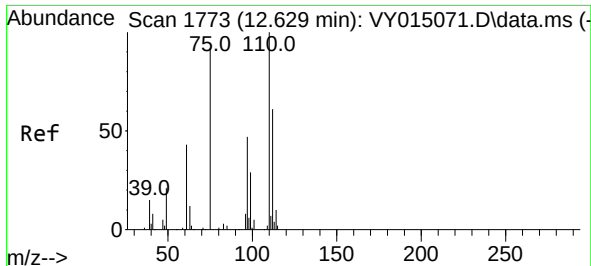
Tgt Ion:117 Resp: 182992
Ion Ratio Lower Upper
117 100
82 53.7 43.4 65.0
119 33.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015270.D
Acq: 23 Aug 2023 01:49

Tgt Ion:152 Resp: 85052
Ion Ratio Lower Upper
152 100
115 58.5 28.8 86.5
150 157.9 0.0 348.8

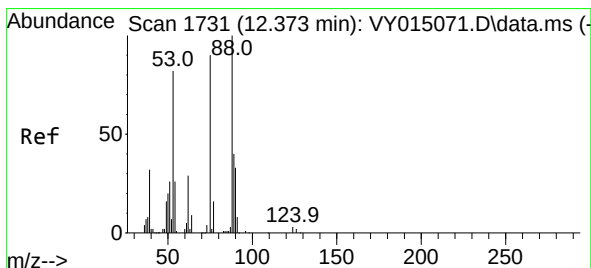
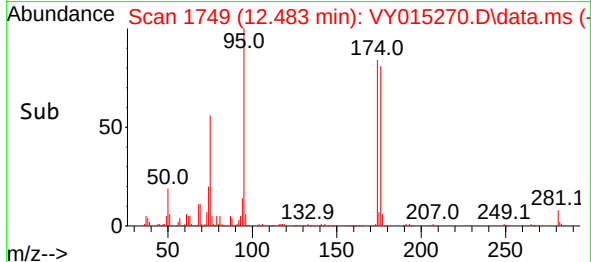
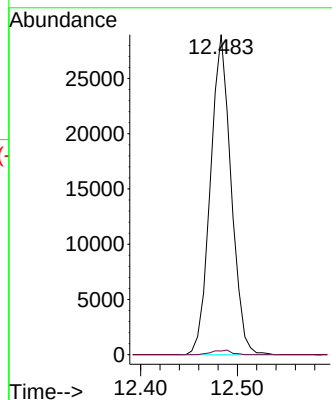
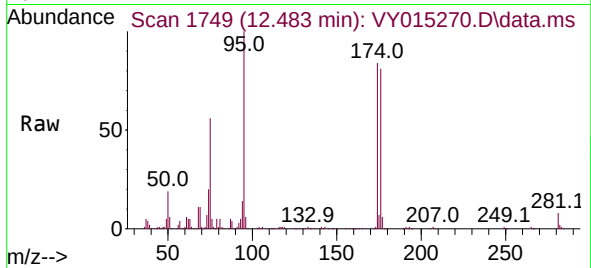




#76
1,2,3-Trichloropropane
Concen: 41.674 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015270.D
Acq: 23 Aug 2023 01:49

Instrument :
MSVOA_Y
ClientSampleId :
TP-12(5-7)

Tgt Ion: 75 Resp: 43063
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.537 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015270.D
Acq: 23 Aug 2023 01:49

Tgt Ion: 75 Resp: 43063
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.2 37.4 56.0#

