

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082223\
 Data File : VY015271.D
 Acq On : 23 Aug 2023 02:12
 Operator : SY/MD
 Sample : 04110-12
 Misc : 3.56g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-15(2-3)

Quant Time: Aug 23 04:59:49 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)

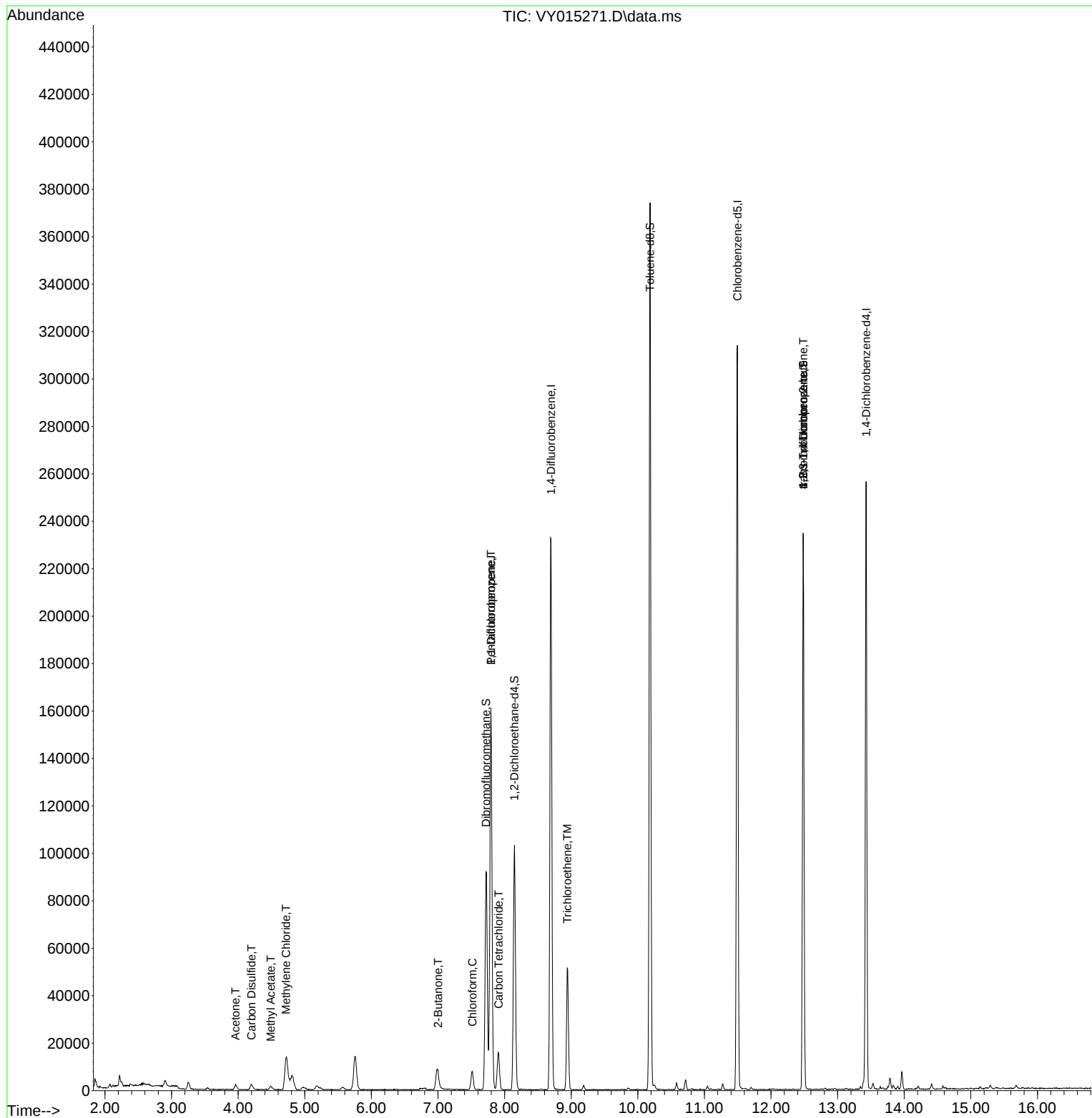
Internal Standards						
1) Pentafluorobenzene	7.795	168	123150	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.697	114	201771	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	173921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	63385	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	79186	53.566	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.140%			
35) Dibromofluoromethane	7.722	113	64263	49.507	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.020%			
50) Toluene-d8	10.185	98	237426	49.135	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.260%			
62) 4-Bromofluorobenzene	12.483	95	66001	37.396	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 74.800%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.906	85	29	Below Cal	#	43
3) Chloromethane	2.119	50	252	Below Cal		91
5) Bromomethane	2.643	94	315	Below Cal	#	72
11) Tert butyl alcohol	4.966	59	2338	Below Cal	#	94
16) Acetone	3.960	43	3127	6.475	ug/l	96
17) Carbon Disulfide	4.198	76	4612	3.058	ug/l	96
18) Methyl Acetate	4.491	43	2691	1.521	ug/l #	74
20) Methylene Chloride	4.716	84	10582	5.274	ug/l	90
25) 2-Butanone	7.002	43	1011	1.479	ug/l #	81
30) Chloroform	7.515	83	7552	3.282	ug/l	96
31) Cyclohexane	7.789	56	3072	Below Cal	#	32
36) 1,1-Dichloropropene	7.795	75	9575	6.668	ug/l #	51
38) Carbon Tetrachloride	7.911	117	11971	7.044	ug/l	93
44) Trichloroethene	8.941	130	18286	14.619	ug/l	97
76) 1,2,3-Trichloropropane	12.483	75	35862	46.569	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	35862	102.288	ug/l #	11

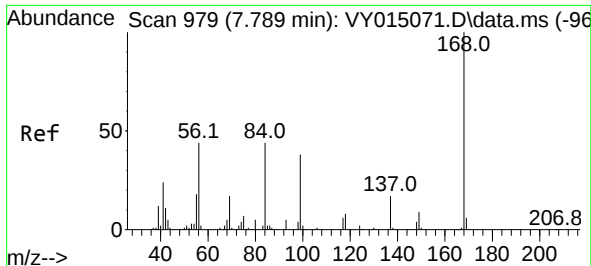
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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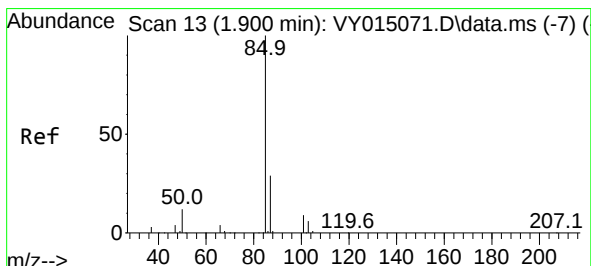
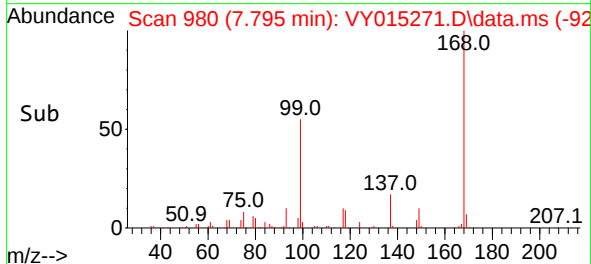
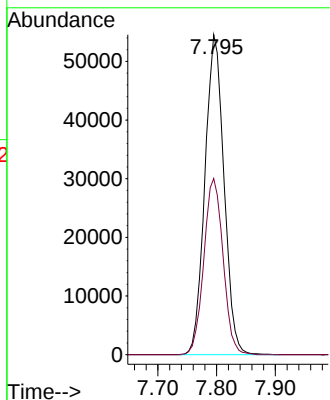
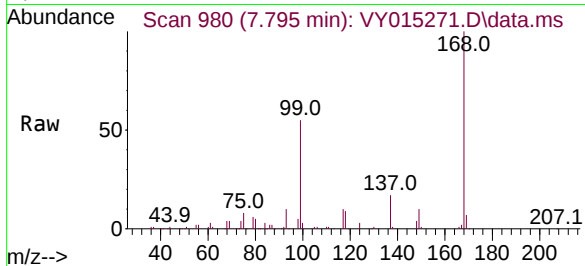




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY015271.D
Acq: 23 Aug 2023 02:12

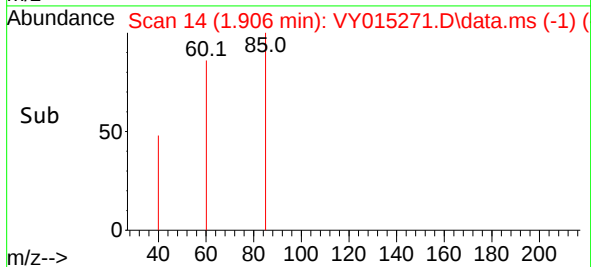
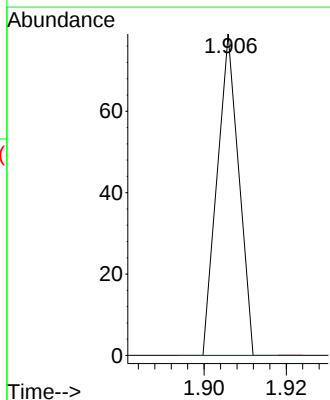
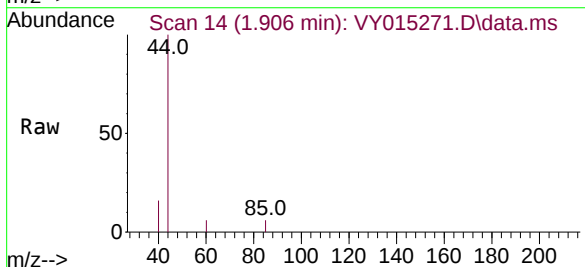
Instrument :
MSVOA_Y
ClientSampleId :
TP-15(2-3)

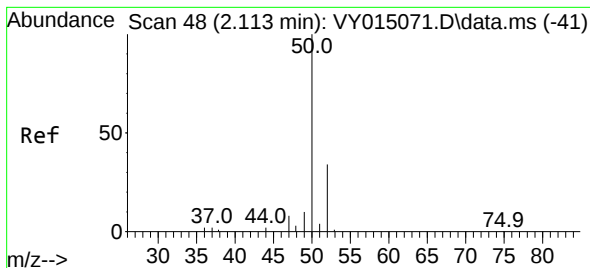
Tgt Ion:168 Resp: 123150
Ion Ratio Lower Upper
168 100
99 55.1 43.4 65.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY015271.D
Acq: 23 Aug 2023 02:12

Tgt Ion: 85 Resp: 29
Ion Ratio Lower Upper
85 100
87 0.0 15.6 46.8#





#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.012 min

Lab File: VY015271.D

Acq: 23 Aug 2023 02:12

Instrument :

MSVOA_Y

ClientSampleId :

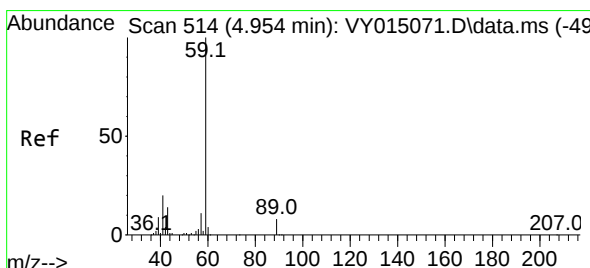
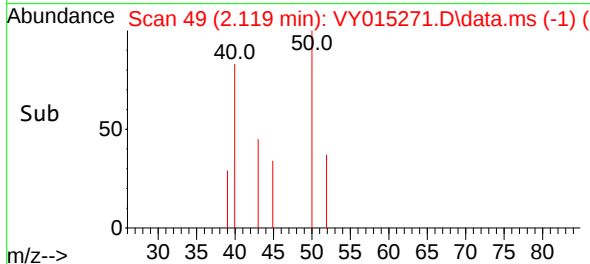
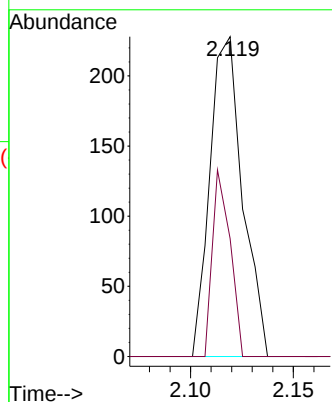
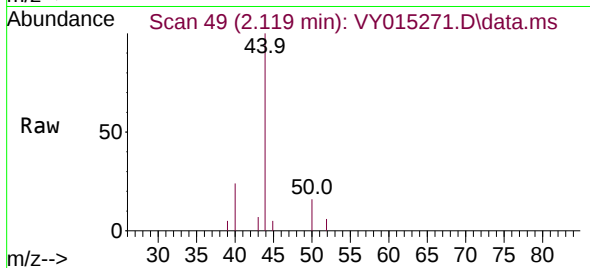
TP-15(2-3)

Tgt Ion: 50 Resp: 252

Ion Ratio Lower Upper

50 100

52 36.8 25.4 38.2



#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.966 min Scan# 516

Delta R.T. 0.018 min

Lab File: VY015271.D

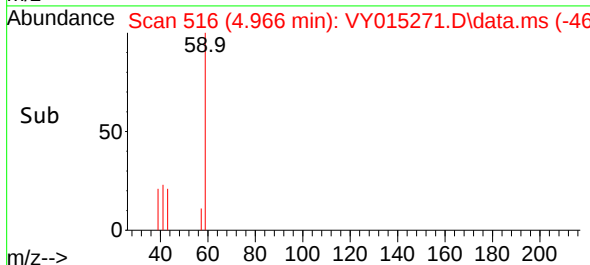
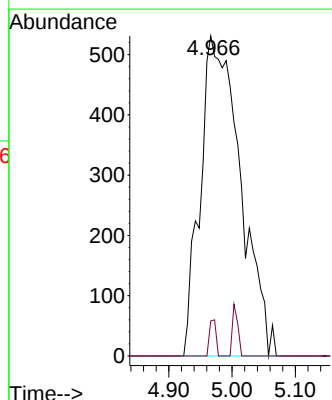
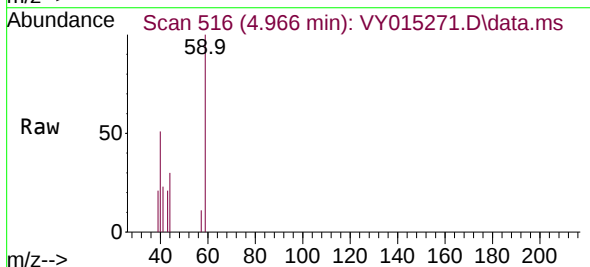
Acq: 23 Aug 2023 02:12

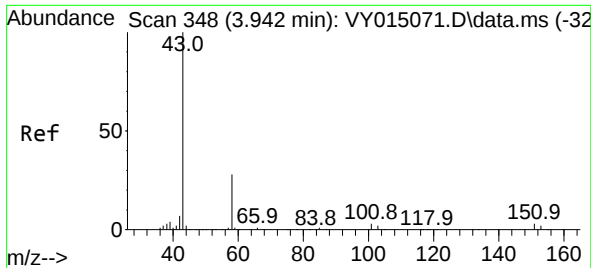
Tgt Ion: 59 Resp: 2338

Ion Ratio Lower Upper

59 100

57 1.8 3.0 4.4#





#16

Acetone

Concen: 6.475 ug/l

RT: 3.960 min Scan# 31

Delta R.T. 0.018 min

Lab File: VY015271.D

Acq: 23 Aug 2023 02:12

Instrument :

MSVOA_Y

ClientSampleId :

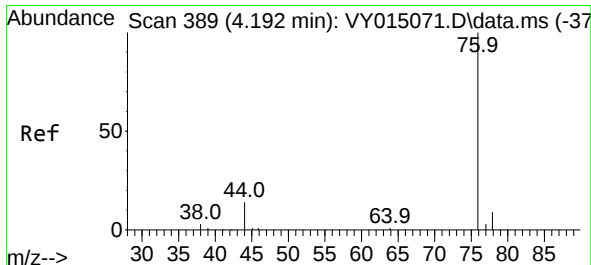
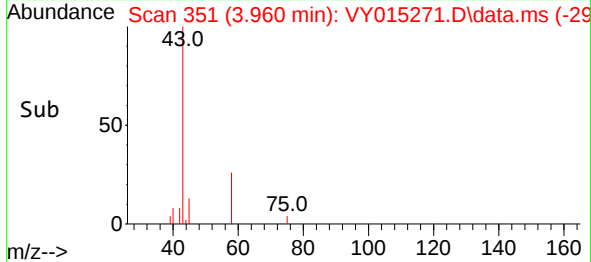
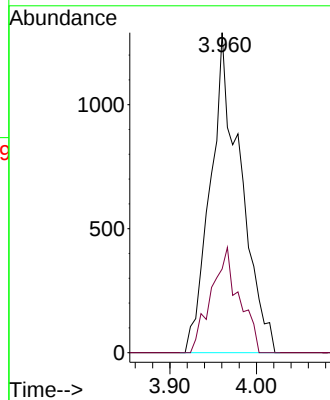
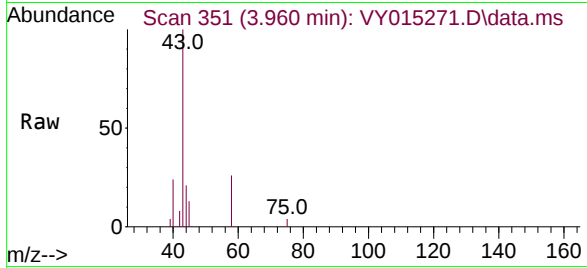
TP-15(2-3)

Tgt Ion: 43 Resp: 3127

Ion Ratio Lower Upper

43 100

58 26.1 22.7 34.1



#17

Carbon Disulfide

Concen: 3.058 ug/l

RT: 4.198 min Scan# 390

Delta R.T. 0.012 min

Lab File: VY015271.D

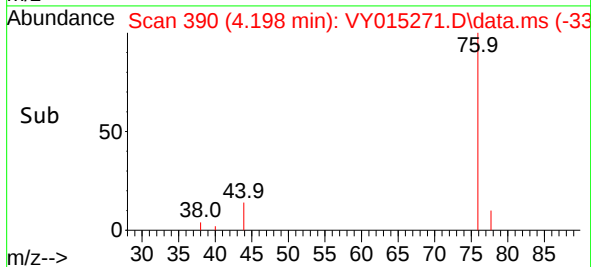
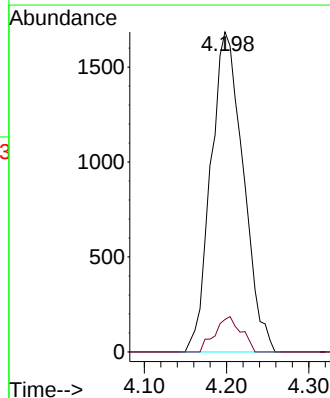
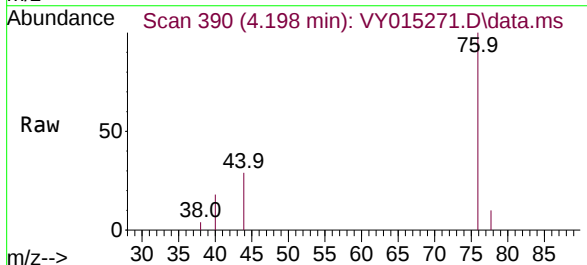
Acq: 23 Aug 2023 02:12

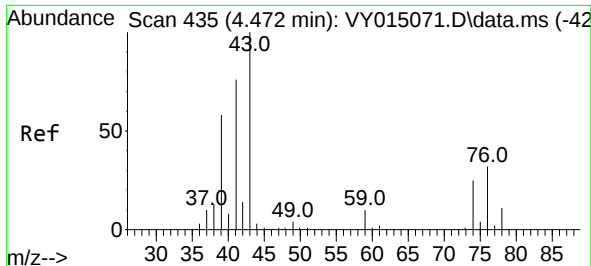
Tgt Ion: 76 Resp: 4612

Ion Ratio Lower Upper

76 100

78 10.1 7.0 10.4

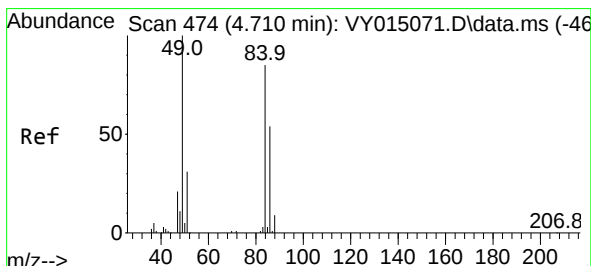
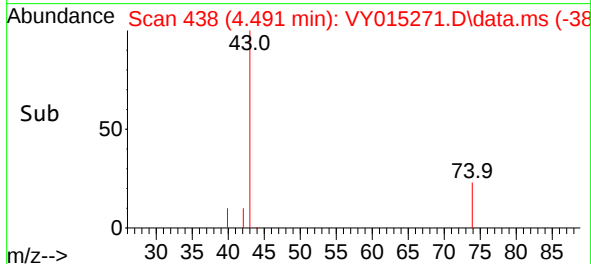
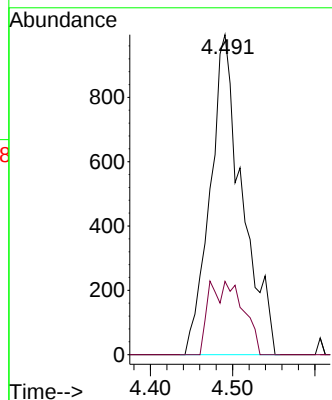
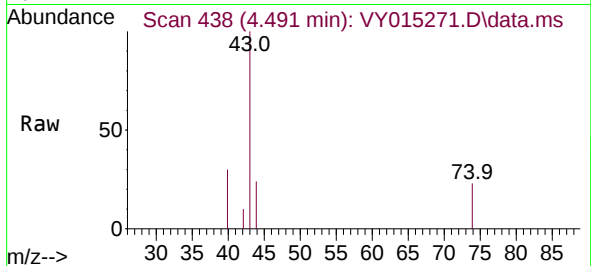




#18
Methyl Acetate
Concen: 1.521 ug/l
RT: 4.491 min Scan# 41
Delta R.T. 0.025 min
Lab File: VY015271.D
Acq: 23 Aug 2023 02:12

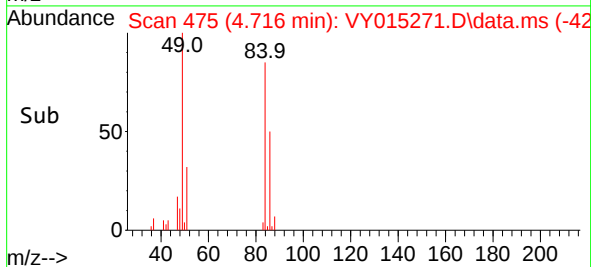
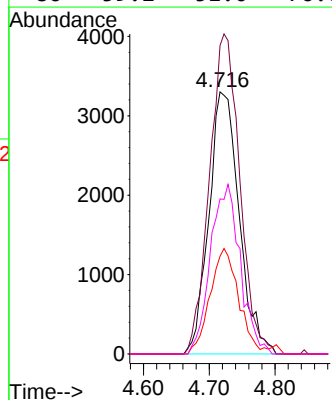
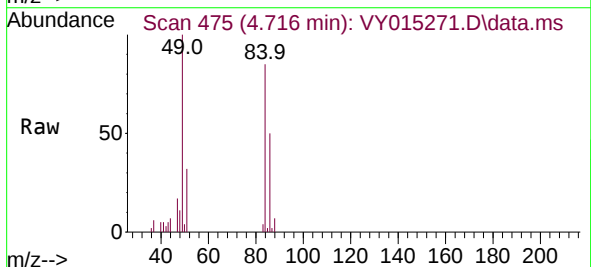
Instrument :
MSVOA_Y
ClientSampleId :
TP-15(2-3)

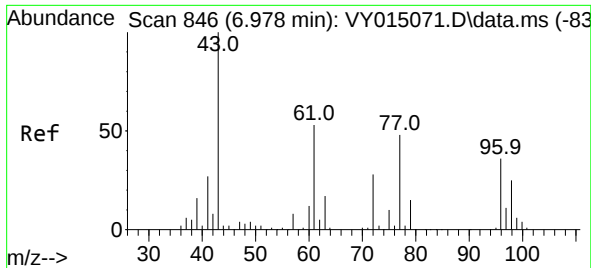
Tgt Ion: 43 Resp: 2691
Ion Ratio Lower Upper
43 100
74 9.4 17.4 26.0#



#20
Methylene Chloride
Concen: 5.274 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY015271.D
Acq: 23 Aug 2023 02:12

Tgt Ion: 84 Resp: 10582
Ion Ratio Lower Upper
84 100
49 117.7 106.9 160.3
51 37.3 33.2 49.8
86 59.2 51.0 76.6

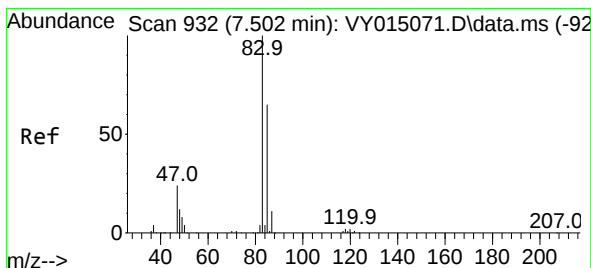
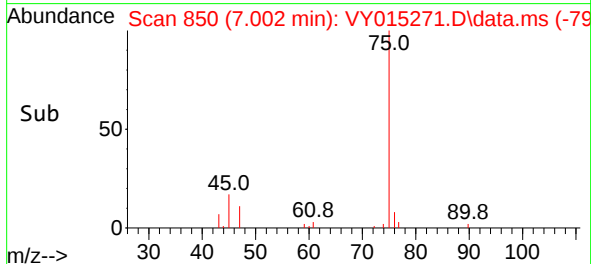
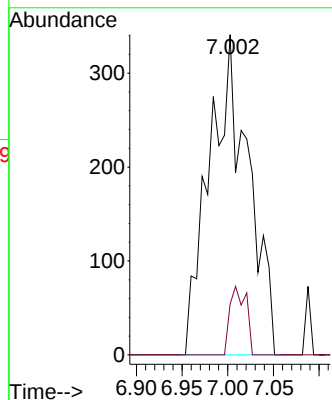
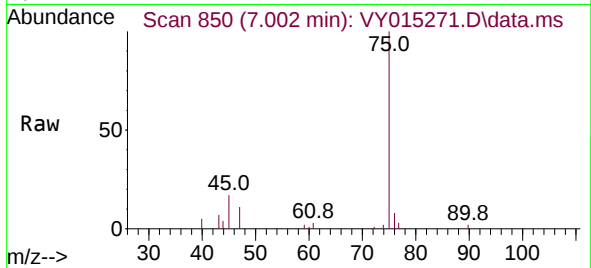




#25
2-Butanone
Concen: 1.479 ug/l
RT: 7.002 min Scan# 846
Delta R.T. 0.024 min
Lab File: VY015271.D
Acq: 23 Aug 2023 02:12

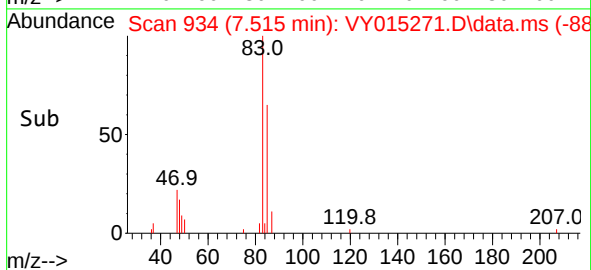
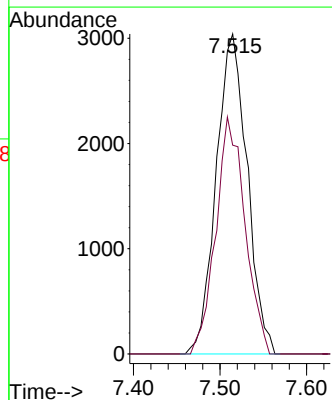
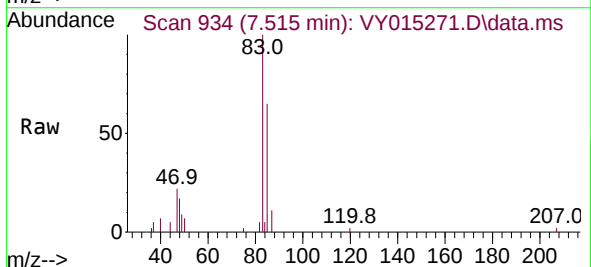
Instrument :
MSVOA_Y
ClientSampleId :
TP-15(2-3)

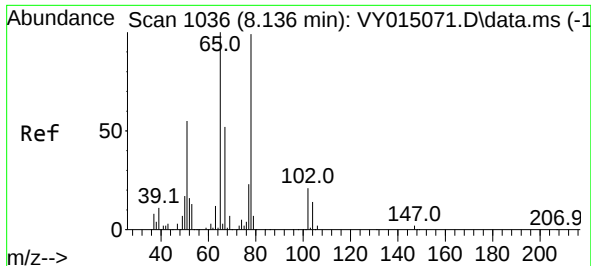
Tgt Ion: 43 Resp: 1011
Ion Ratio Lower Upper
43 100
72 15.8 20.5 30.7#



#30
Chloroform
Concen: 3.282 ug/l
RT: 7.515 min Scan# 934
Delta R.T. 0.013 min
Lab File: VY015271.D
Acq: 23 Aug 2023 02:12

Tgt Ion: 83 Resp: 7552
Ion Ratio Lower Upper
83 100
85 65.3 49.7 74.5





#33

1,2-Dichloroethane-d4

Concen: 53.566 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.012 min

Lab File: VY015271.D

Acq: 23 Aug 2023 02:12

Instrument :

MSVOA_Y

ClientSampleId :

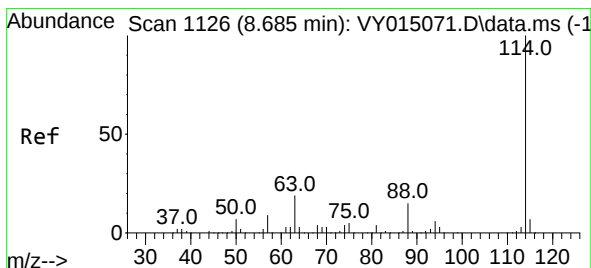
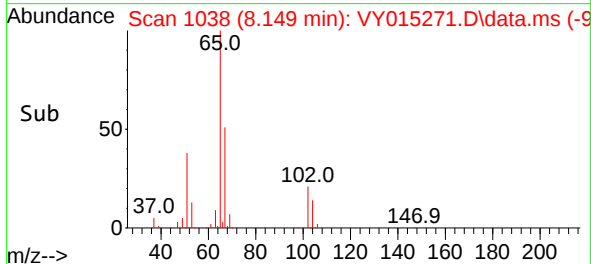
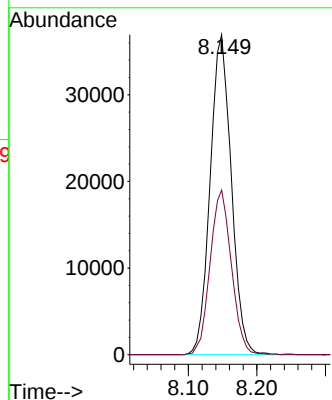
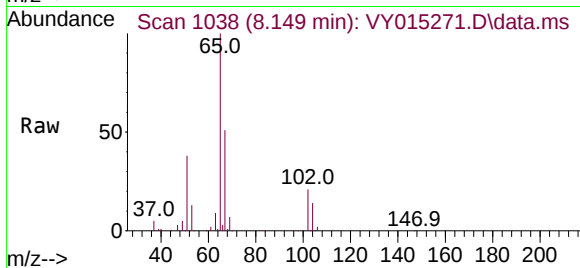
TP-15(2-3)

Tgt Ion: 65 Resp: 79186

Ion Ratio Lower Upper

65 100

67 51.9 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: VY015271.D

Acq: 23 Aug 2023 02:12

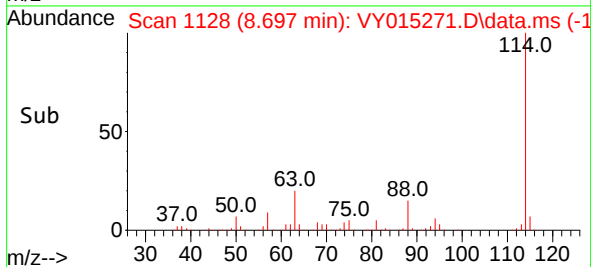
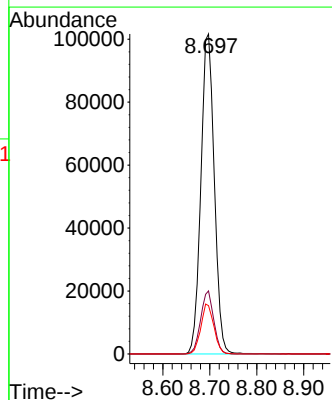
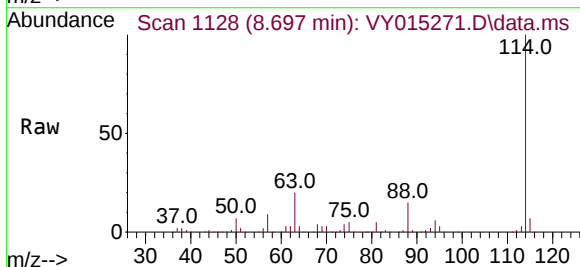
Tgt Ion: 114 Resp: 201771

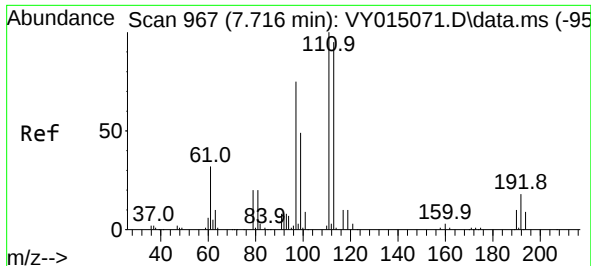
Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 15.1 0.0 30.6

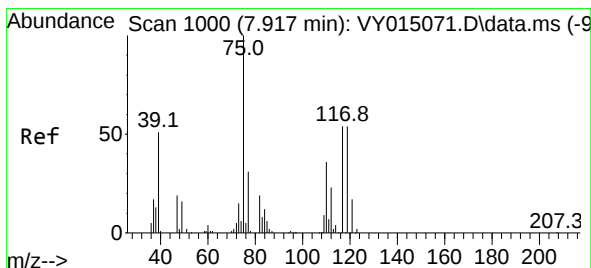
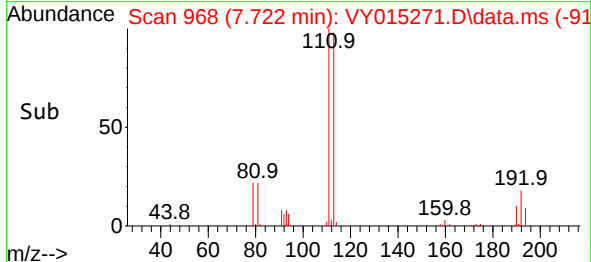
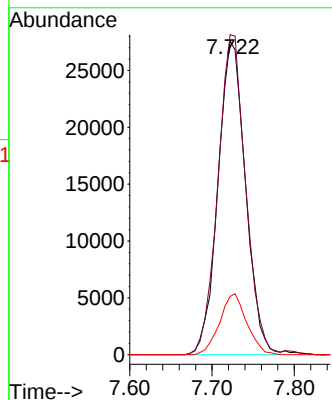
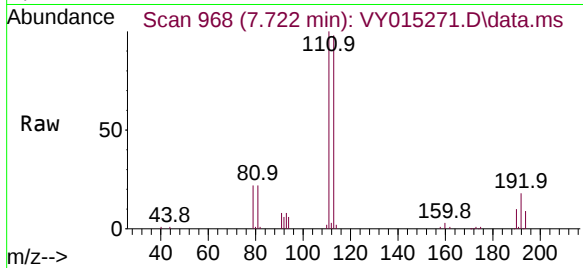




#35
Dibromofluoromethane
Concen: 49.507 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY015271.D
Acq: 23 Aug 2023 02:12

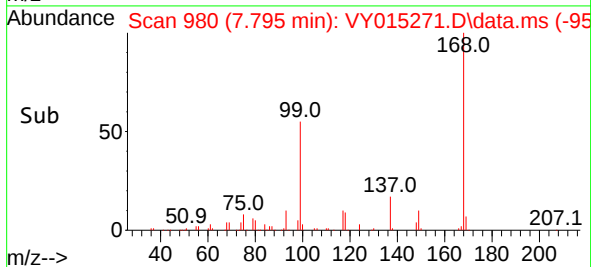
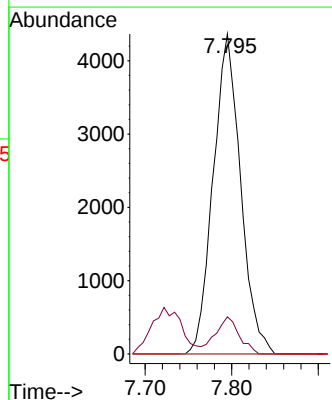
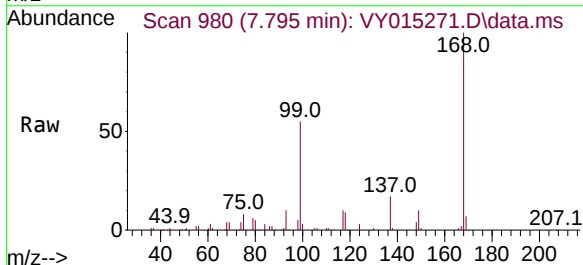
Instrument :
MSVOA_Y
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TP-15(2-3)

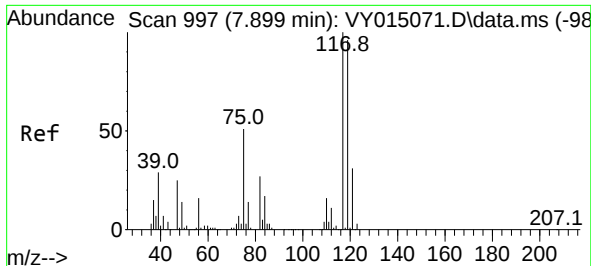
Tgt Ion:113 Resp: 64263
Ion Ratio Lower Upper
113 100
111 102.2 81.3 121.9
192 19.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 6.668 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY015271.D
Acq: 23 Aug 2023 02:12

Tgt Ion: 75 Resp: 9575
Ion Ratio Lower Upper
75 100
110 10.0 17.8 53.5#
77 0.0 24.4 36.6#

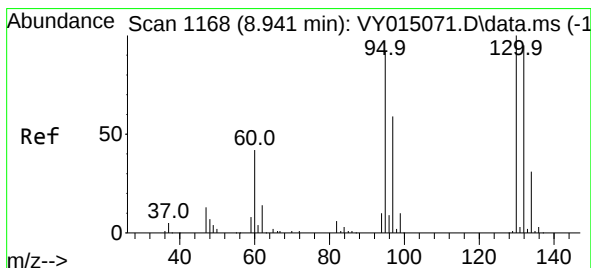
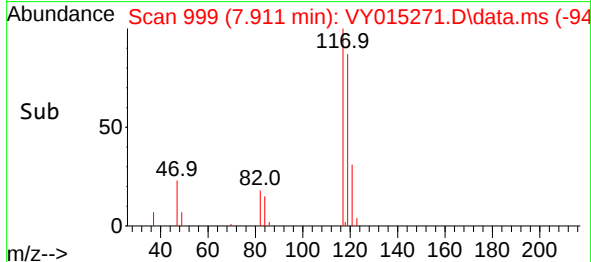
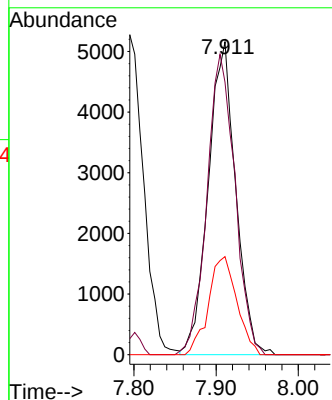
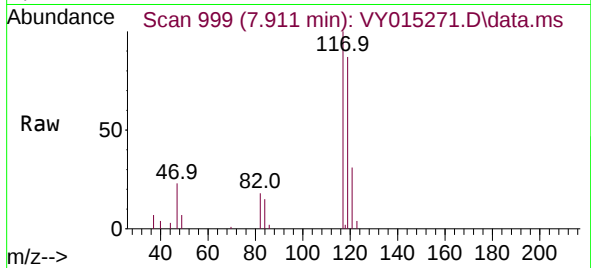




#38
Carbon Tetrachloride
Concen: 7.044 ug/l
RT: 7.911 min Scan# 997
Delta R.T. 0.012 min
Lab File: VY015271.D
Acq: 23 Aug 2023 02:12

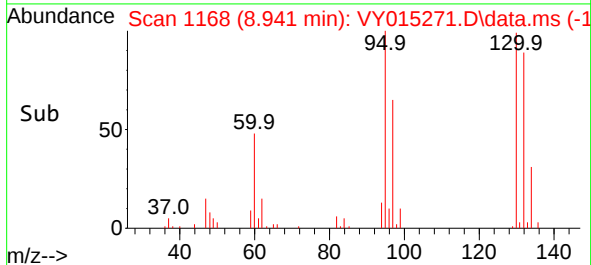
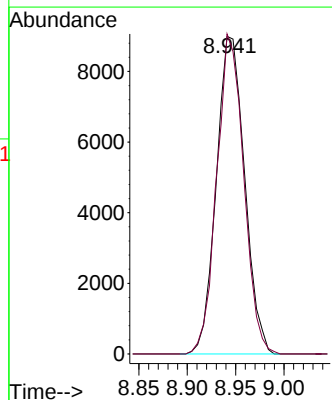
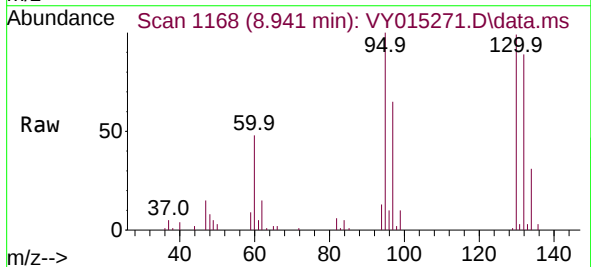
Instrument :
MSVOA_Y
ClientSampleId :
TP-15(2-3)

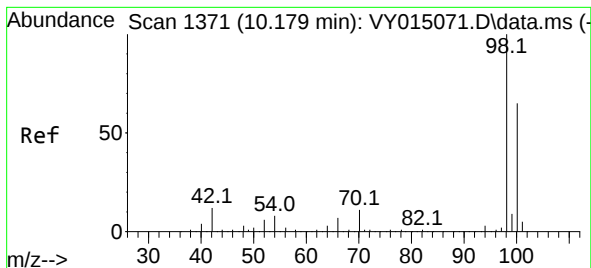
Tgt Ion:117 Resp: 11971
Ion Ratio Lower Upper
117 100
119 87.2 76.4 114.6
121 31.4 25.8 38.6



#44
Trichloroethene
Concen: 14.619 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. 0.006 min
Lab File: VY015271.D
Acq: 23 Aug 2023 02:12

Tgt Ion:130 Resp: 18286
Ion Ratio Lower Upper
130 100
95 100.8 0.0 196.0





#50

Toluene-d8

Concen: 49.135 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015271.D

Acq: 23 Aug 2023 02:12

Instrument :

MSVOA_Y

ClientSampleId :

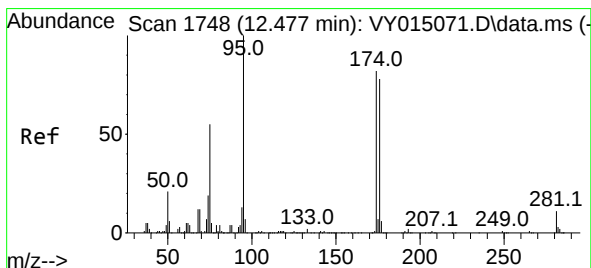
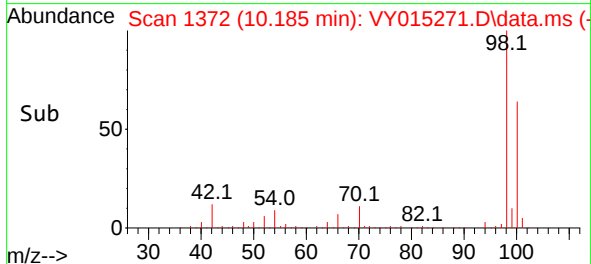
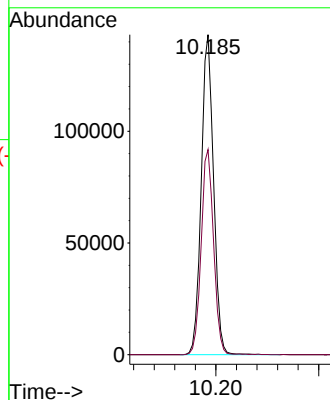
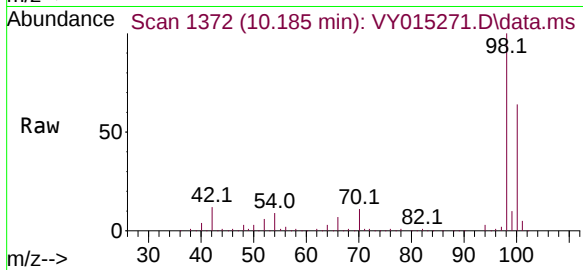
TP-15(2-3)

Tgt Ion: 98 Resp: 237426

Ion Ratio Lower Upper

98 100

100 64.5 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 37.396 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015271.D

Acq: 23 Aug 2023 02:12

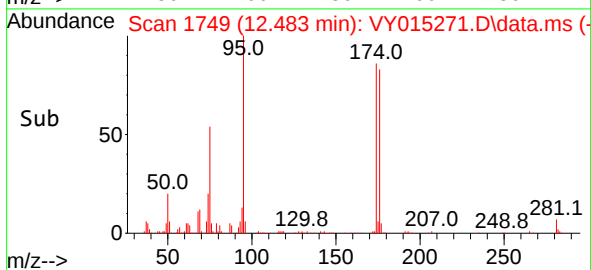
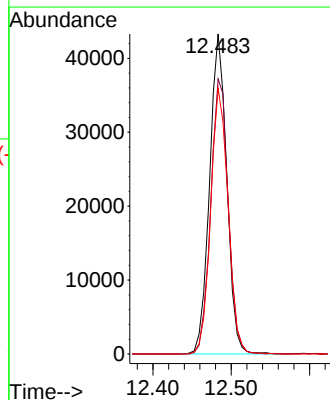
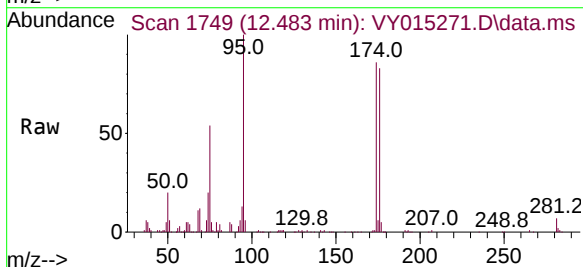
Tgt Ion: 95 Resp: 66001

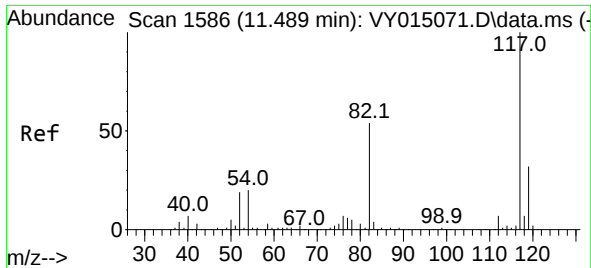
Ion Ratio Lower Upper

95 100

174 87.6 0.0 178.2

176 84.2 0.0 173.8

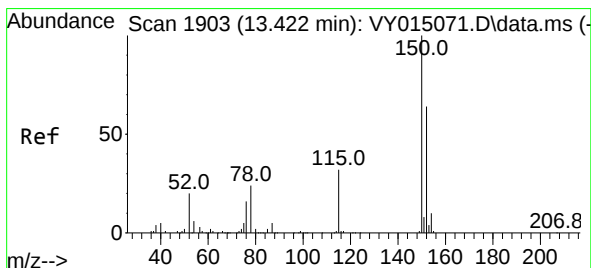
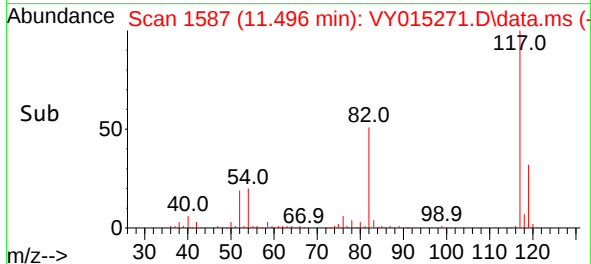
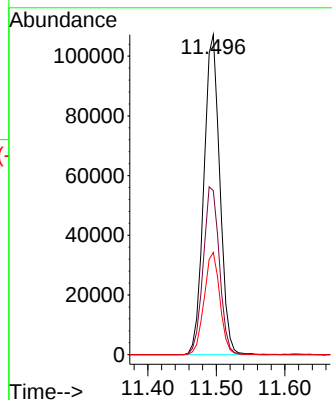
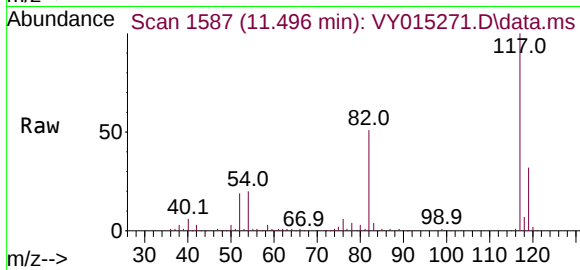




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY015271.D
Acq: 23 Aug 2023 02:12

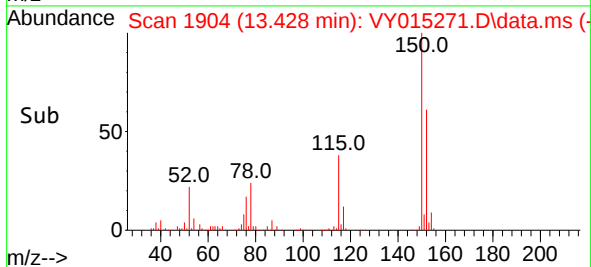
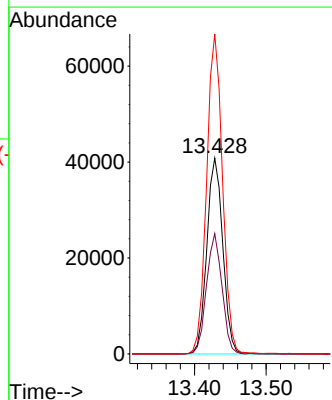
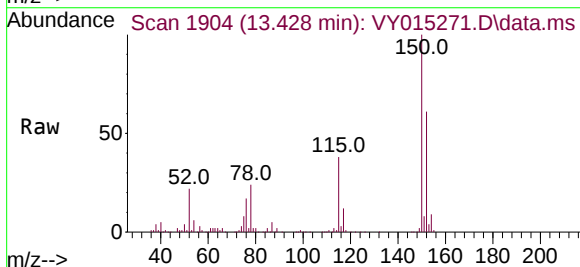
Instrument :
MSVOA_Y
ClientSampleId :
TP-15(2-3)

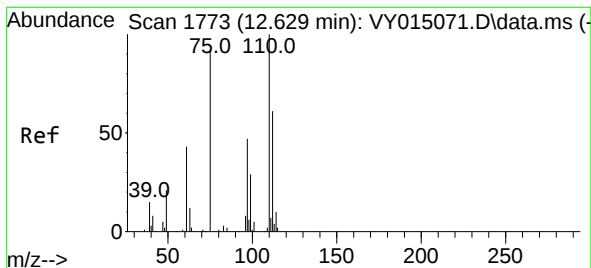
Tgt Ion:117 Resp: 173921
Ion Ratio Lower Upper
117 100
82 51.2 43.4 65.0
119 32.0 26.3 39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY015271.D
Acq: 23 Aug 2023 02:12

Tgt Ion:152 Resp: 63385
Ion Ratio Lower Upper
152 100
115 59.7 28.8 86.5
150 162.2 0.0 348.8





#76

1,2,3-Trichloropropane

Concen: 46.569 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015271.D

Acq: 23 Aug 2023 02:12

Instrument :

MSVOA_Y

ClientSampleId :

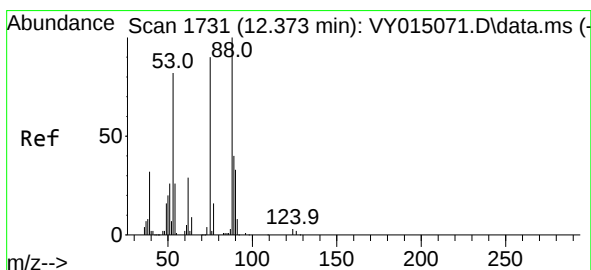
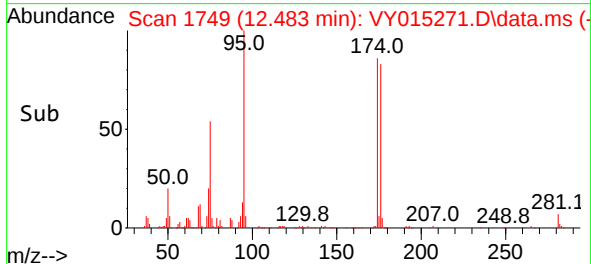
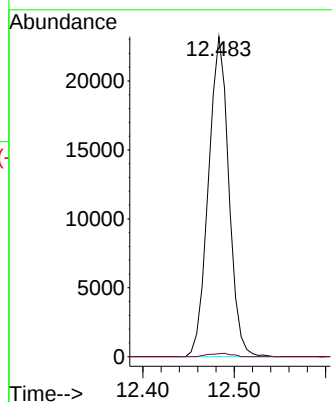
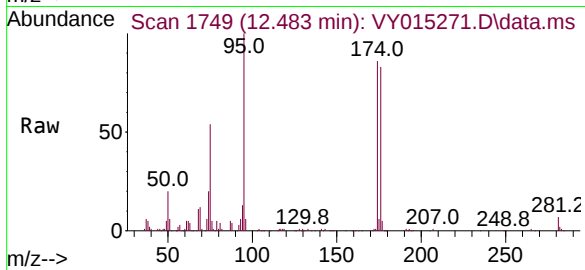
TP-15(2-3)

Tgt Ion: 75 Resp: 35862

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 102.288 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.110 min

Lab File: VY015271.D

Acq: 23 Aug 2023 02:12

Tgt Ion: 75 Resp: 35862

Ion Ratio Lower Upper

75 100

53 0.0 77.8 116.8#

89 0.1 37.4 56.0#

