

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011791.D
 Acq On : 13 Dec 2022 14:17
 Operator : KP/MD
 Sample : N5964-07
 Misc : 3.14g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-518-COMP-04

Quant Time: Dec 13 22:18:01 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)

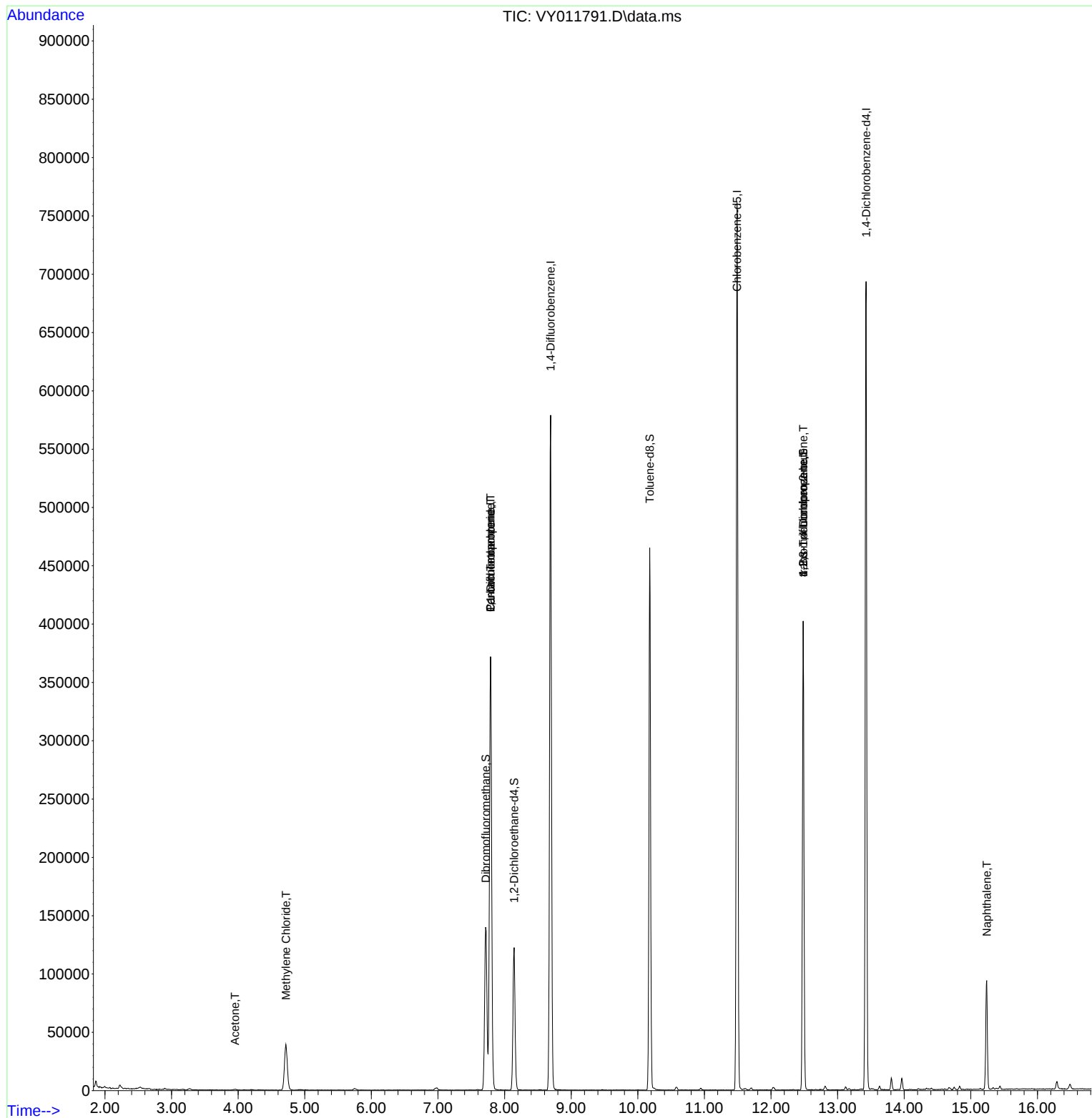
Internal Standards						
1) Pentafluorobenzene	7.789	168	290717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	482842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	416863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	184450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	93918	47.061	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.120%
35) Dibromofluoromethane	7.716	113	100735	46.701	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.400%
50) Toluene-d8	10.179	98	302145	41.881	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	83.760%
62) 4-Bromofluorobenzene	12.483	95	113049	39.416	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	78.840%
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	167	Below Cal	#	41
5) Bromomethane	2.662	94	126	Below Cal	#	68
11) Tert butyl alcohol	4.923	59	300	Below Cal	#	74
16) Acetone	3.954	43	1146	1.444	ug/l #	88
18) Methyl Acetate	4.704	43	22	Below Cal	#	50
20) Methylene Chloride	4.716	84	29506	5.175	ug/l	97
31) Cyclohexane	7.789	56	5969	Below Cal	#	9
36) 1,1-Dichloropropene	7.789	75	21564	5.885	ug/l #	50
38) Carbon Tetrachloride	7.789	117	29613	6.880	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	58870	31.546	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	58870	71.585	ug/l #	13
95) Naphthalene	15.239	128	79702	13.963	ug/l	99

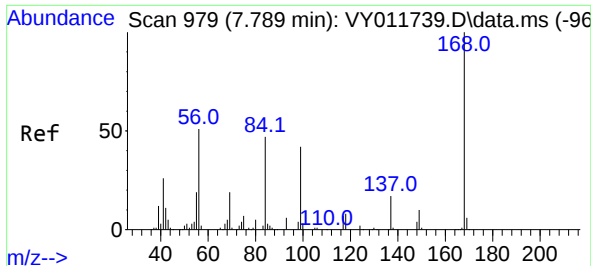
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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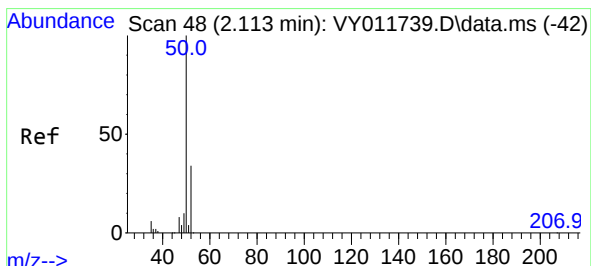
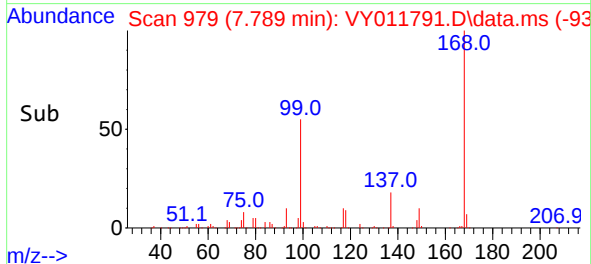
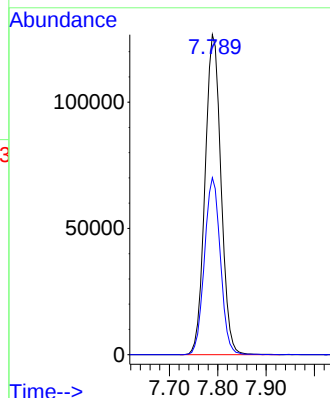
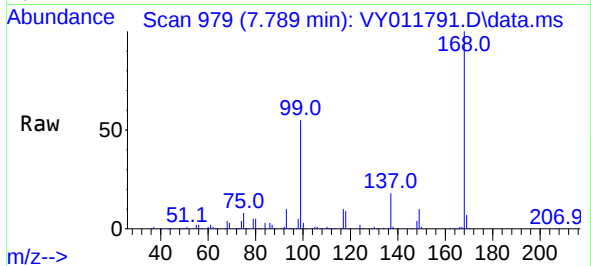




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011791.D
Acq: 13 Dec 2022 14:17

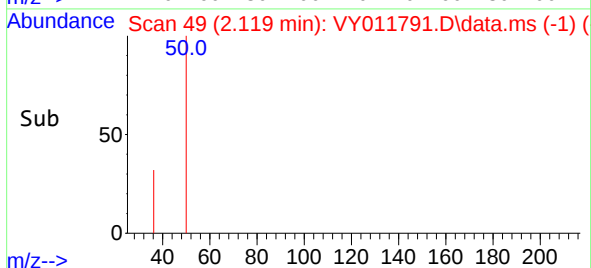
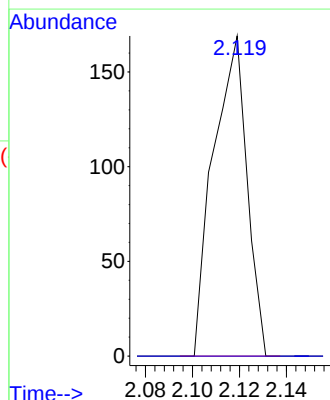
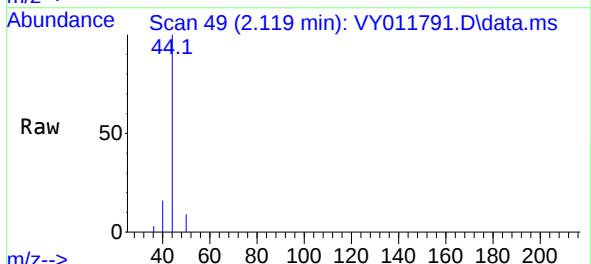
Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-04

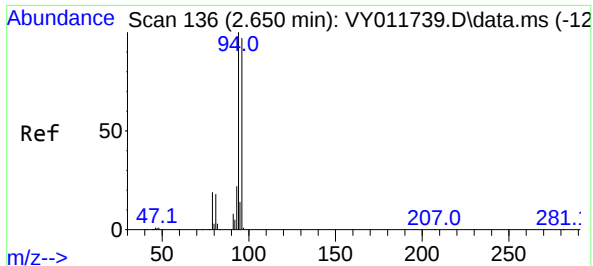
Tgt Ion:168 Resp: 290717
Ion Ratio Lower Upper
168 100
99 55.3 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011791.D
Acq: 13 Dec 2022 14:17

Tgt Ion: 50 Resp: 167
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

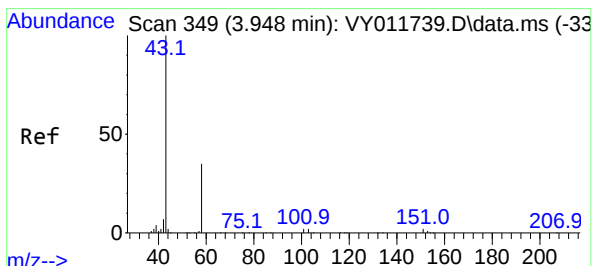
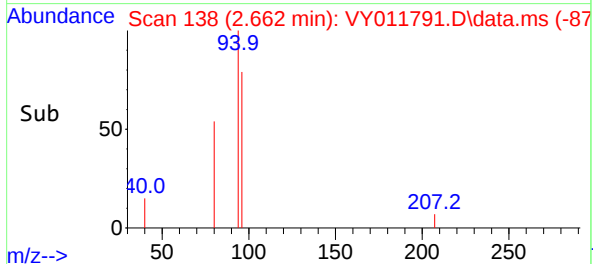
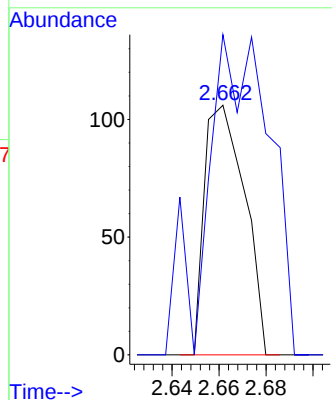
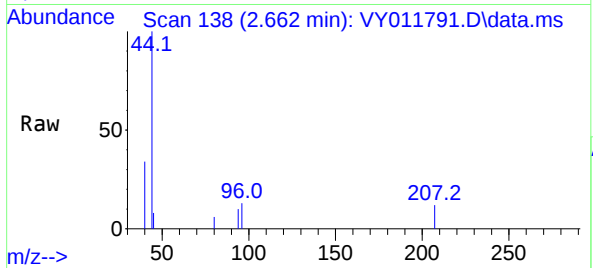




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011791.D
Acq: 13 Dec 2022 14:17

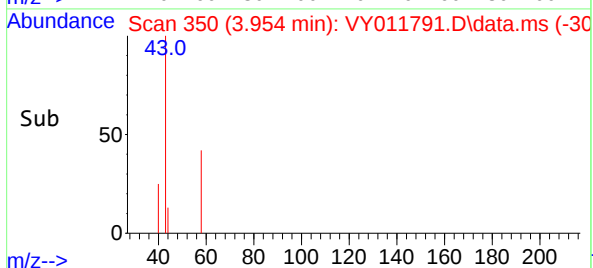
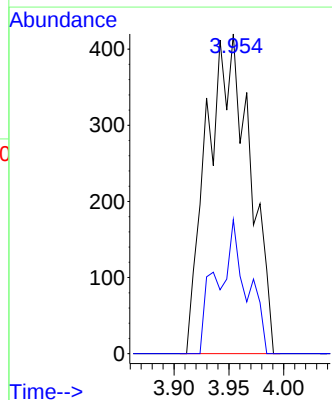
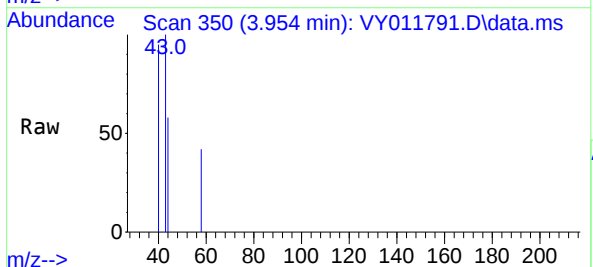
Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-04

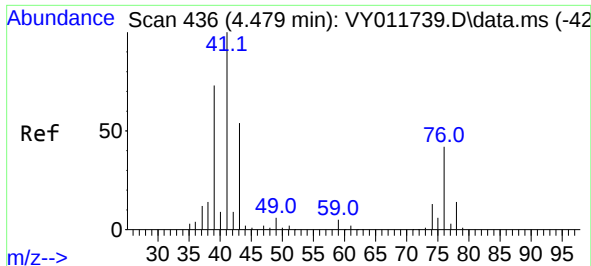
Tgt Ion: 94 Resp: 126
Ion Ratio Lower Upper
94 100
96 65.1 77.4 116.2#



#16
Acetone
Concen: 1.444 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY011791.D
Acq: 13 Dec 2022 14:17

Tgt Ion: 43 Resp: 1146
Ion Ratio Lower Upper
43 100
58 41.9 27.9 41.9#

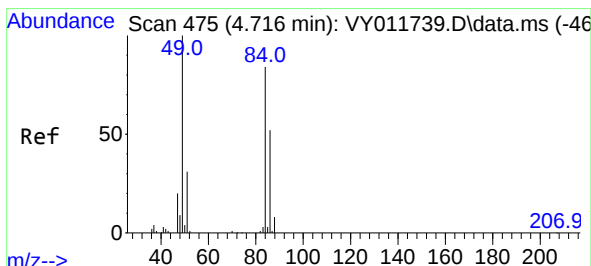
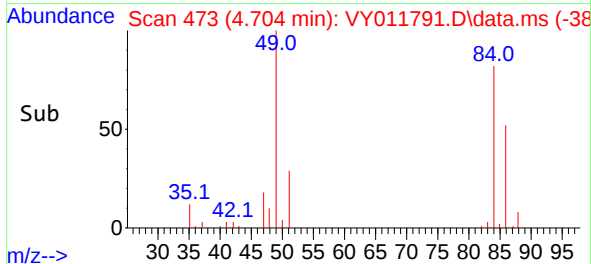
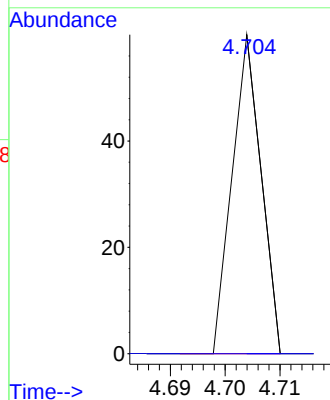
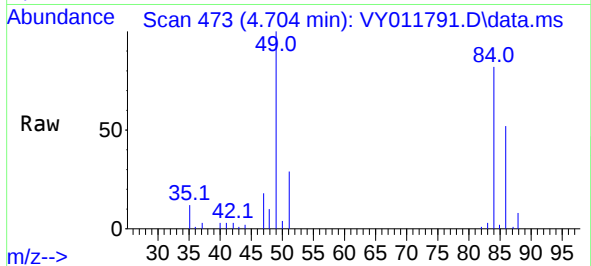




#18
Methyl Acetate
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. 0.225 min
Lab File: VY011791.D
Acq: 13 Dec 2022 14:17

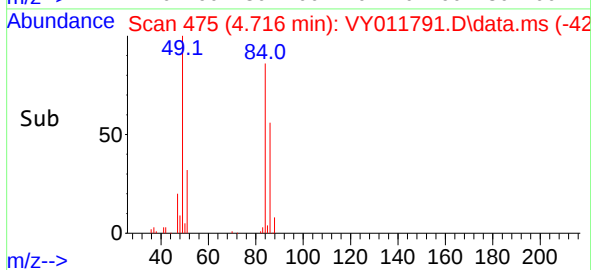
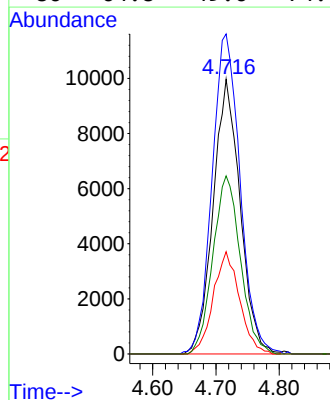
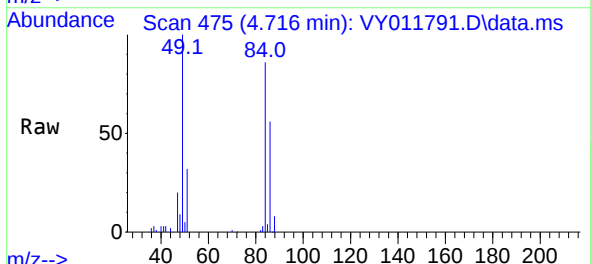
Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-04

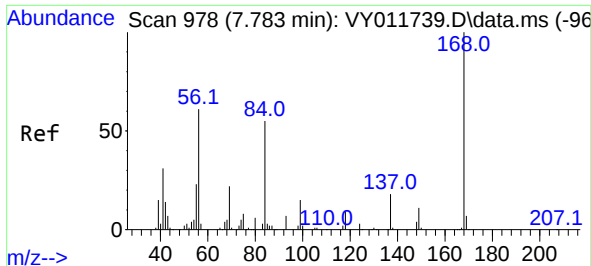
Tgt Ion: 43 Resp: 22
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 5.175 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011791.D
Acq: 13 Dec 2022 14:17

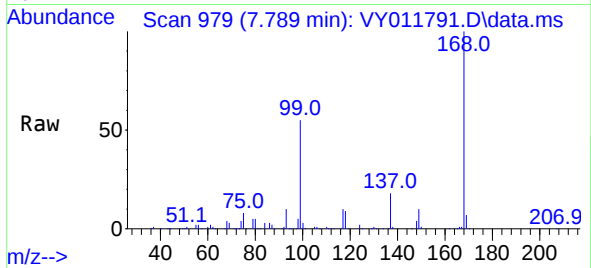
Tgt Ion: 84 Resp: 29506
Ion Ratio Lower Upper
84 100
49 116.5 95.4 143.2
51 37.2 29.9 44.9
86 64.8 49.6 74.4



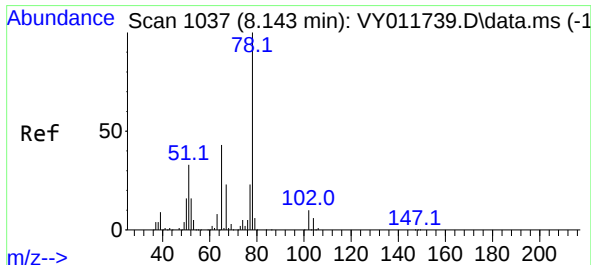
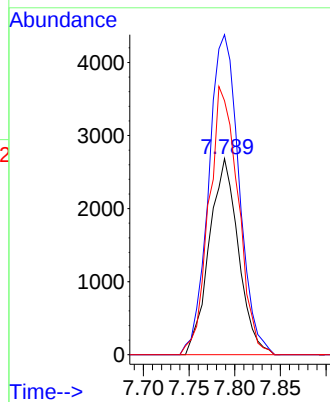
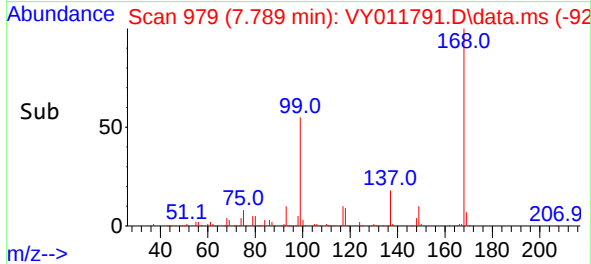


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011791.D
Acq: 13 Dec 2022 14:17

Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-04

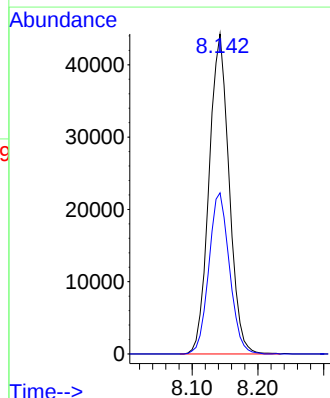
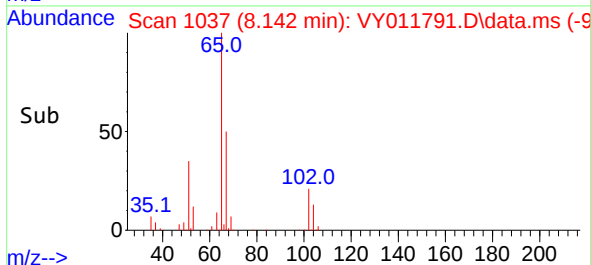
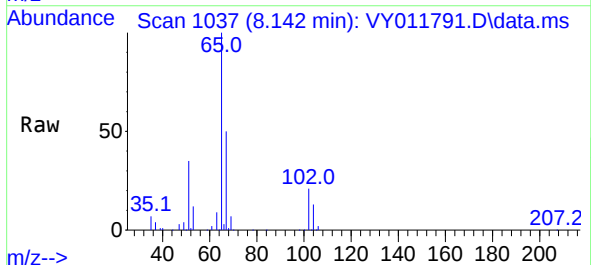


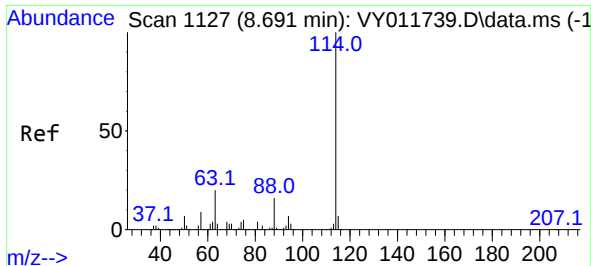
Tgt Ion: 56 Resp: 5969
Ion Ratio Lower Upper
56 100
69 163.3 29.2 43.8#
84 129.5 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 47.061 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011791.D
Acq: 13 Dec 2022 14:17

Tgt Ion: 65 Resp: 93918
Ion Ratio Lower Upper
65 100
67 51.7 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: VY011791.D

Acq: 13 Dec 2022 14:17

Instrument :

MSVOA_Y

ClientSampleId :

SU-518-COMP-04

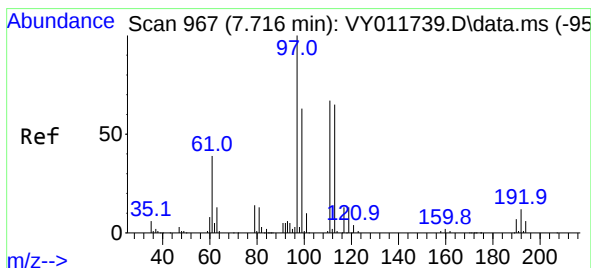
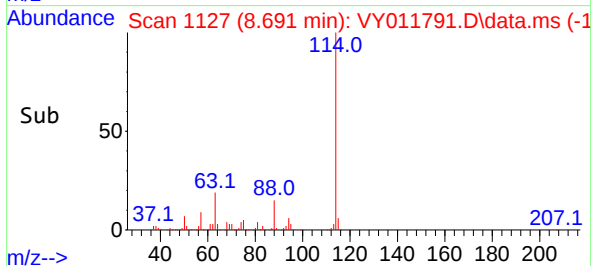
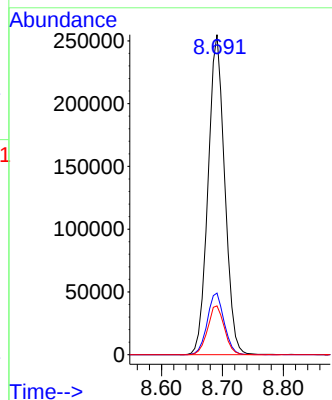
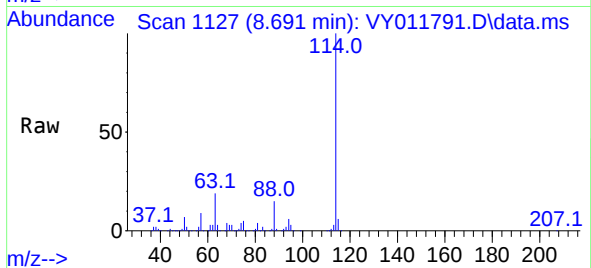
Tgt Ion:114 Resp: 482842

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.2 0.0 32.2



#35

Dibromofluoromethane

Concen: 46.701 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011791.D

Acq: 13 Dec 2022 14:17

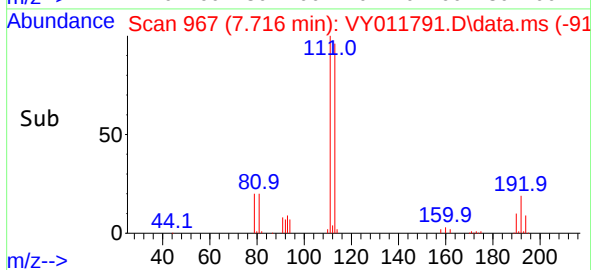
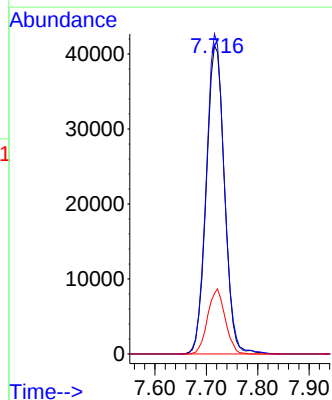
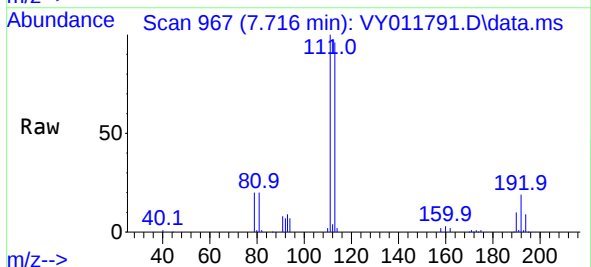
Tgt Ion:113 Resp: 100735

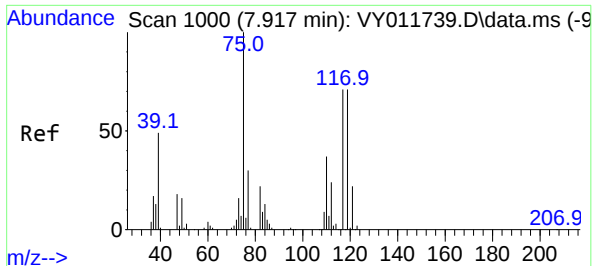
Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.4

192 20.4 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.885 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011791.D

Acq: 13 Dec 2022 14:17

Instrument :

MSVOA_Y

ClientSampleId :

SU-518-COMP-04

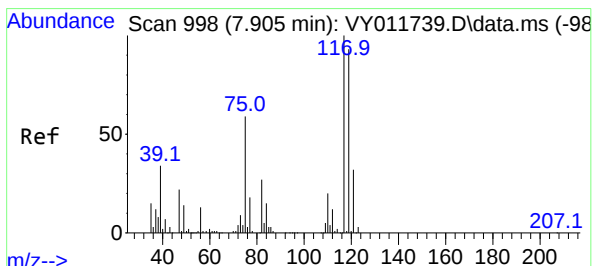
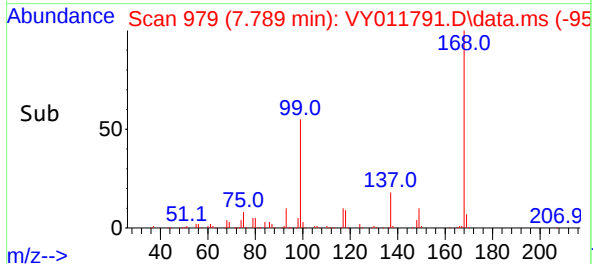
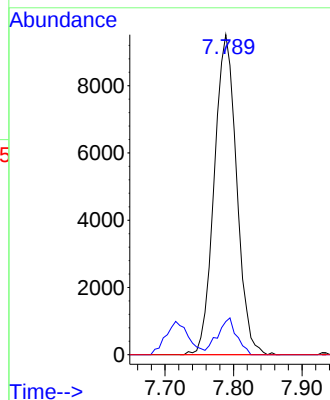
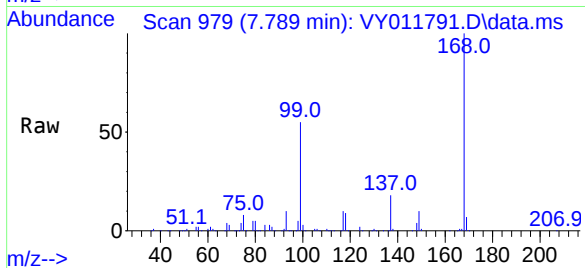
Tgt Ion: 75 Resp: 21564

Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.880 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011791.D

Acq: 13 Dec 2022 14:17

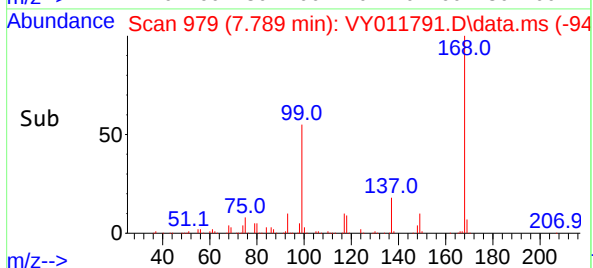
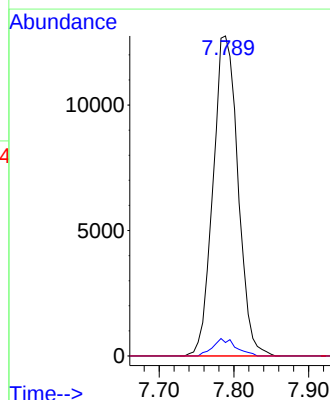
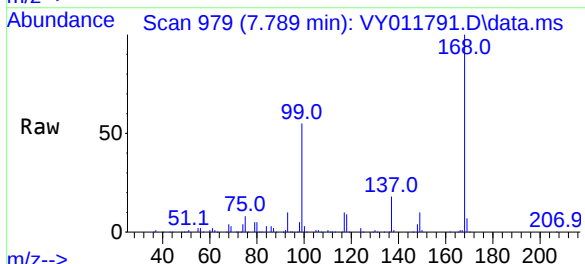
Tgt Ion: 117 Resp: 29613

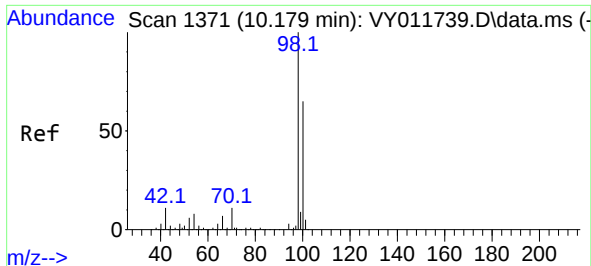
Ion Ratio Lower Upper

117 100

119 4.2 73.8 110.8#

121 0.0 25.2 37.8#

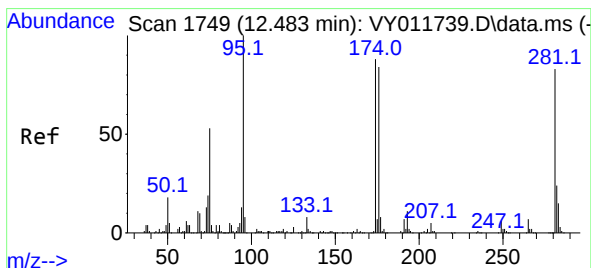
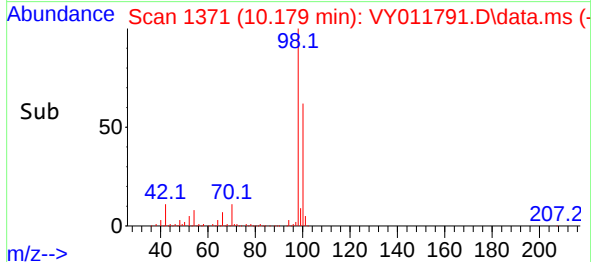
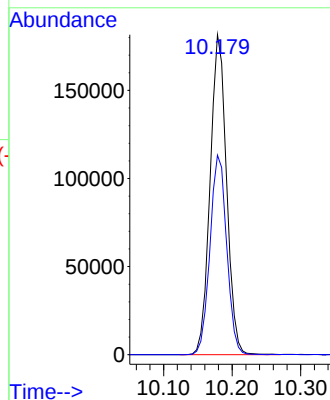
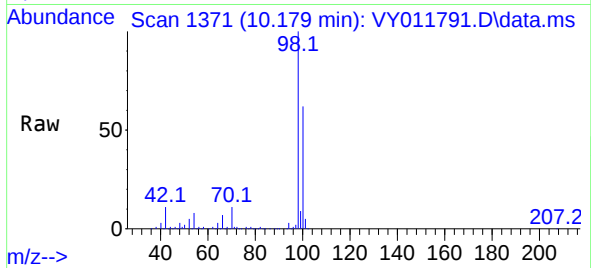




#50
Toluene-d8
Concen: 41.881 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011791.D
Acq: 13 Dec 2022 14:17

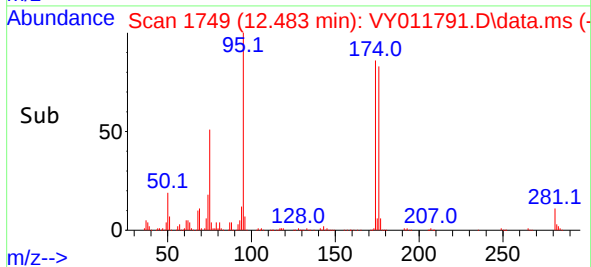
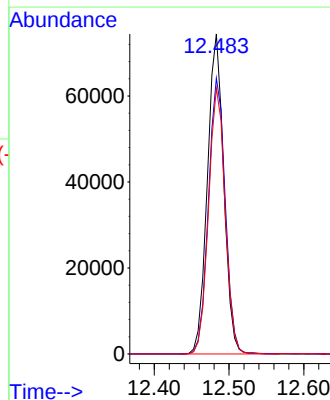
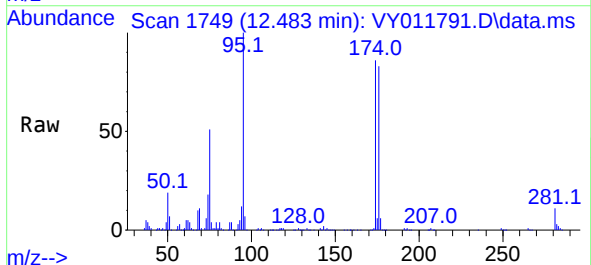
Instrument :
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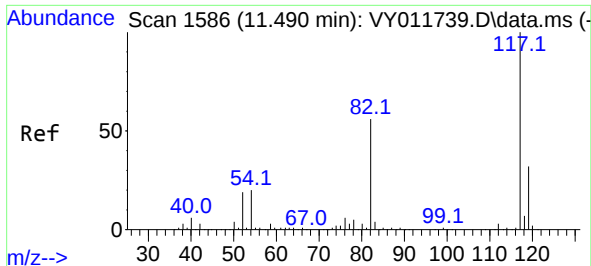
Tgt Ion: 98 Resp: 302145
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 39.416 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011791.D
Acq: 13 Dec 2022 14:17

Tgt Ion: 95 Resp: 113049
Ion Ratio Lower Upper
95 100
174 88.7 0.0 172.0
176 84.3 0.0 167.6

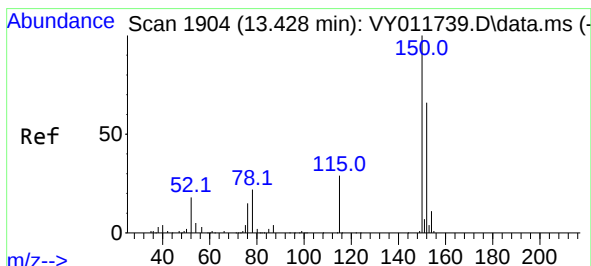
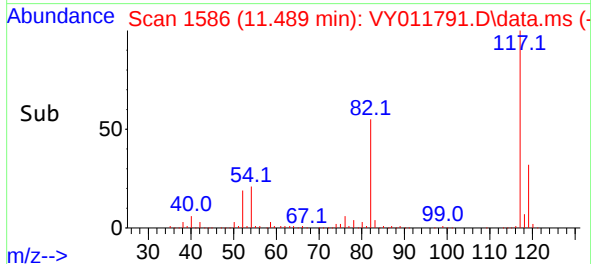
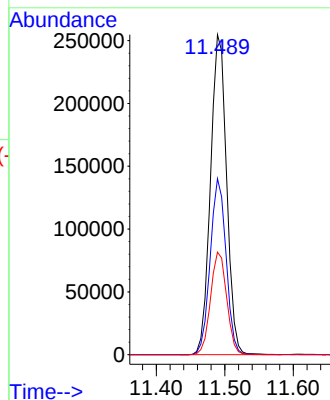
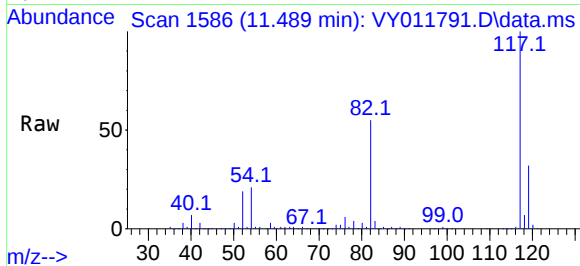




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011791.D
Acq: 13 Dec 2022 14:17

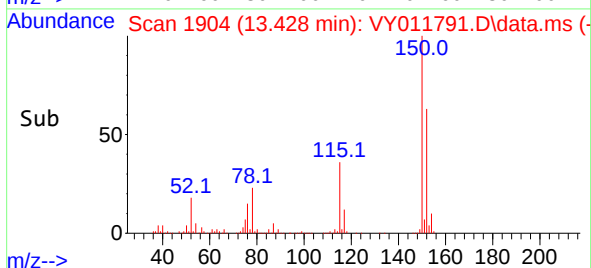
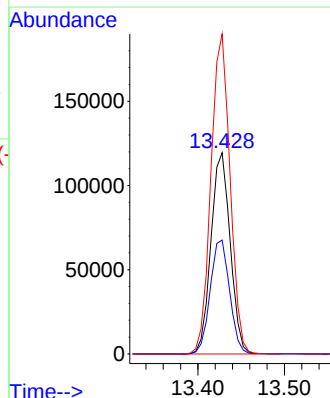
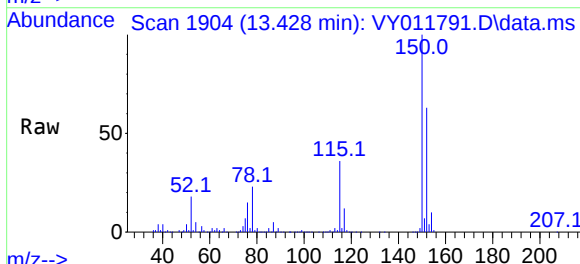
Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-04

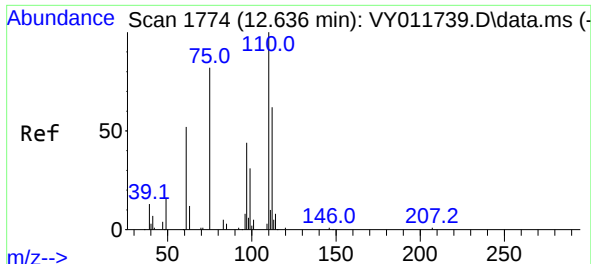
Tgt Ion:117 Resp: 416863
Ion Ratio Lower Upper
117 100
82 55.0 44.8 67.2
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011791.D
Acq: 13 Dec 2022 14:17

Tgt Ion:152 Resp: 184450
Ion Ratio Lower Upper
152 100
115 57.2 29.1 87.3
150 158.0 0.0 342.6

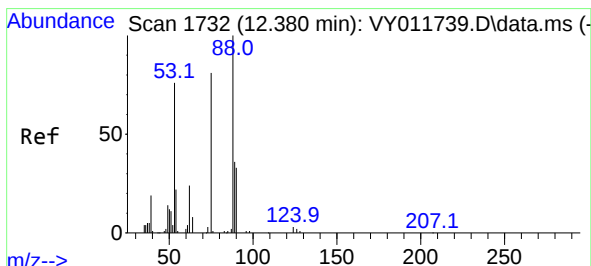
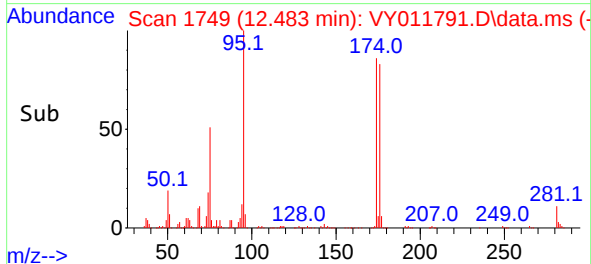
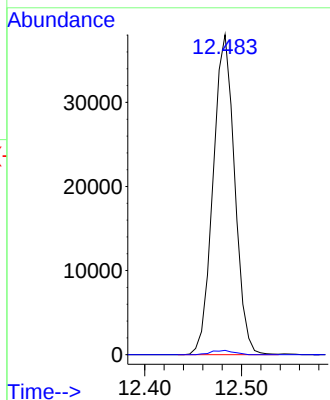
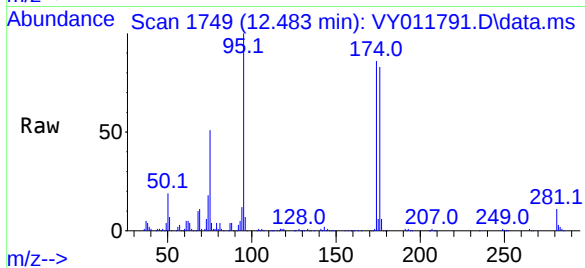




#76
1,2,3-Trichloropropane
Concen: 31.546 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011791.D
Acq: 13 Dec 2022 14:17

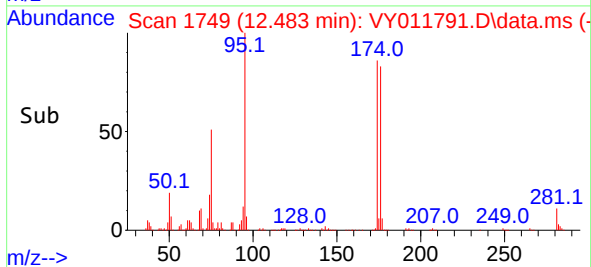
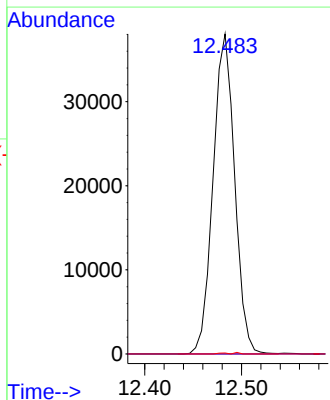
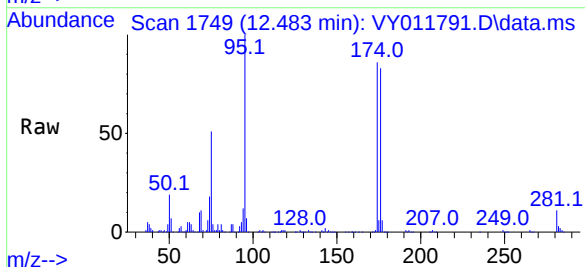
Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-04

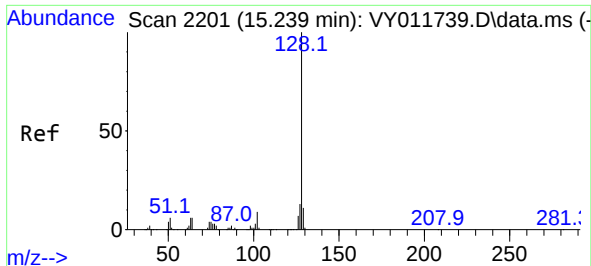
Tgt Ion: 75 Resp: 58870
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.585 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011791.D
Acq: 13 Dec 2022 14:17

Tgt Ion: 75 Resp: 58870
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.1 37.0 55.4#





#95

Naphthalene

Concen: 13.963 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011791.D

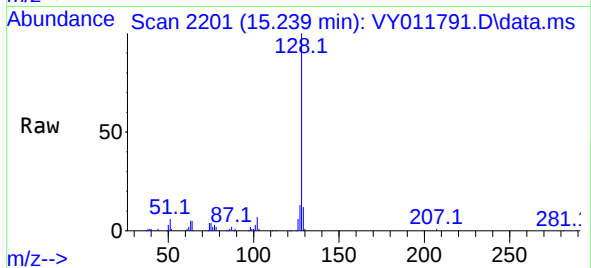
Acq: 13 Dec 2022 14:17

Instrument :

MSVOA_Y

ClientSampleId :

SU-518-COMP-04



Tgt Ion:128 Resp: 79702

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

129 11.0 8.8 13.2

