

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011787.D
 Acq On : 13 Dec 2022 12:47
 Operator : KP/MD
 Sample : N5964-01
 Misc : 2.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-518-COMP-01

Quant Time: Dec 13 22:17:29 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)

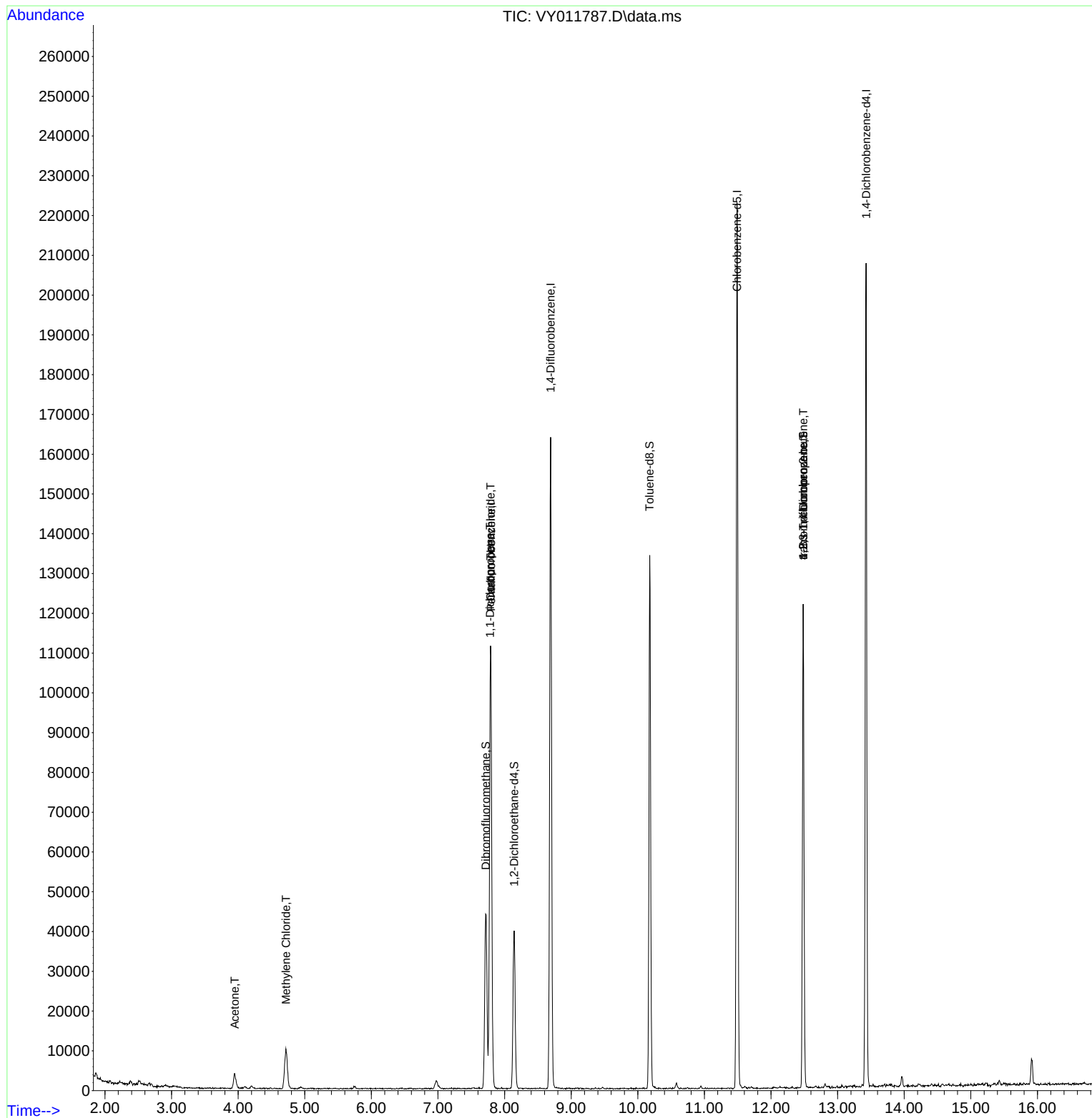
Internal Standards						
1) Pentafluorobenzene	7.795	168	87664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	138586	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	124789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	54843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	32419	54.638	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.280%			
35) Dibromofluoromethane	7.716	113	31998	52.134	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.260%			
50) Toluene-d8	10.179	98	89073	43.224	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 86.440%			
62) 4-Bromofluorobenzene	12.483	95	34188	41.800	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 83.600%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	169	Below Cal	#	41
4) Vinyl Chloride	2.430	62	31	Below Cal	#	43
5) Bromomethane	2.674	94	261	Below Cal	#	64
11) Tert butyl alcohol	4.924	59	219	Below Cal	#	74
16) Acetone	3.948	43	6476	27.054	ug/l	89
18) Methyl Acetate	4.479	43	127	Below Cal	#	50
20) Methylene Chloride	4.716	84	7699	3.581	ug/l	# 95
31) Cyclohexane	7.789	56	1784	Below Cal	#	8
36) 1,1-Dichloropropene	7.783	75	6289	5.980	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	8712	7.052	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	17593	31.707	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	17593	71.949	ug/l	# 13

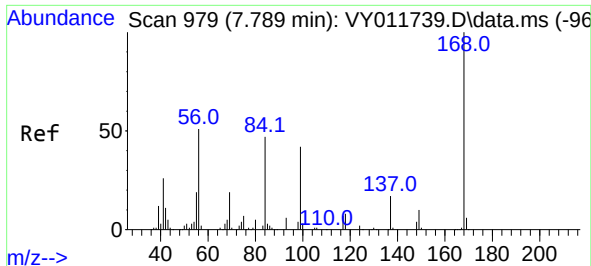
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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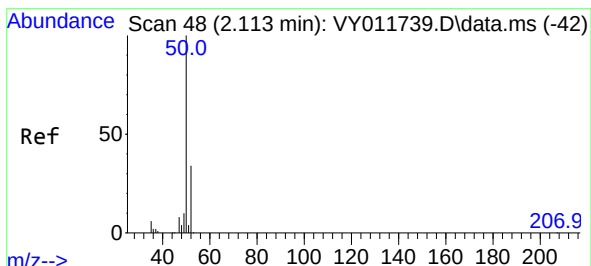
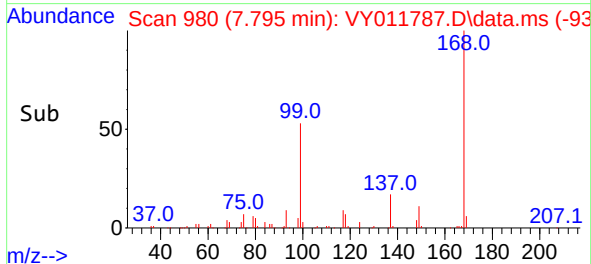
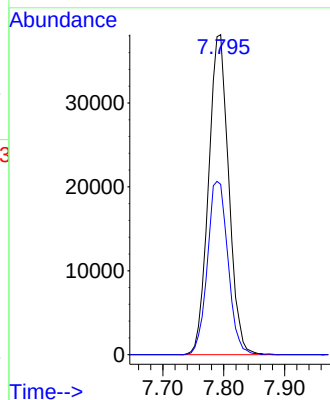
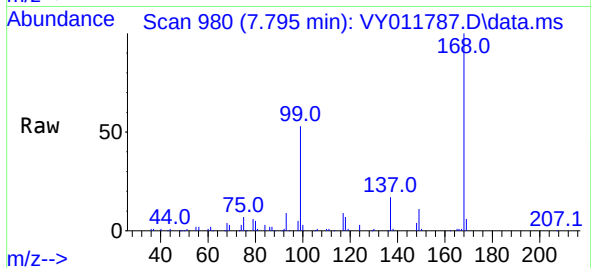




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011787.D
Acq: 13 Dec 2022 12:47

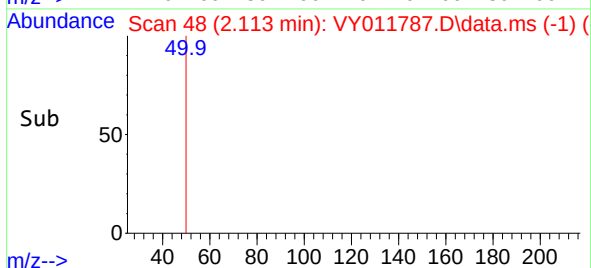
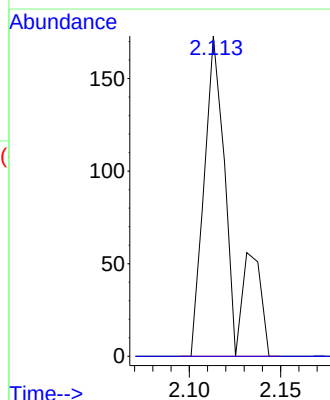
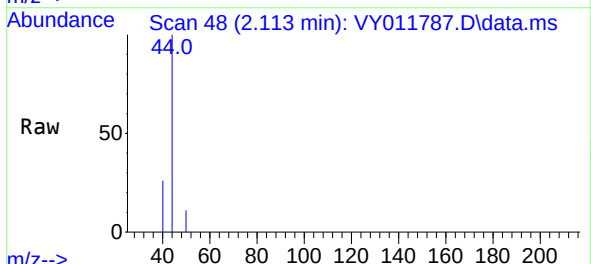
Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-01

Tgt Ion:168 Resp: 87664
Ion Ratio Lower Upper
168 100
99 53.3 44.0 66.0

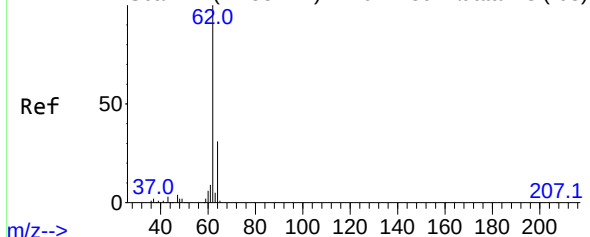


#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY011787.D
Acq: 13 Dec 2022 12:47

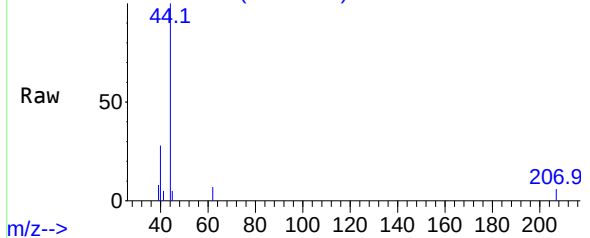
Tgt Ion: 50 Resp: 169
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



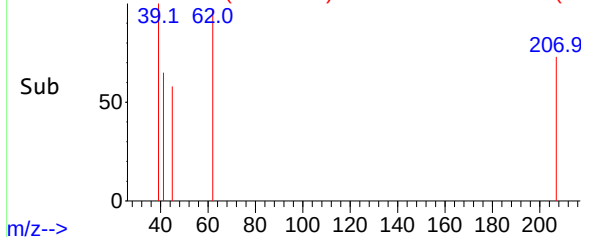
Abundance Scan 71 (2.253 min): VY011739.D\data.ms (-63)



Abundance Scan 100 (2.430 min): VY011787.D\data.ms



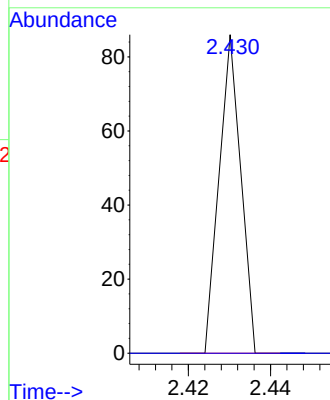
Abundance Scan 100 (2.430 min): VY011787.D\data.ms (-22)



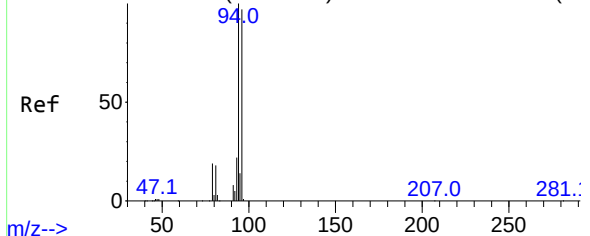
#4
Vinyl Chloride
Concen: Below Cal
RT: 2.430 min Scan# 10
Delta R.T. 0.177 min
Lab File: VY011787.D
Acq: 13 Dec 2022 12:47

Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-01

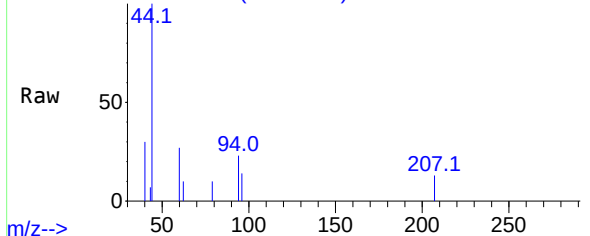
Tgt Ion: 62 Resp: 31
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#



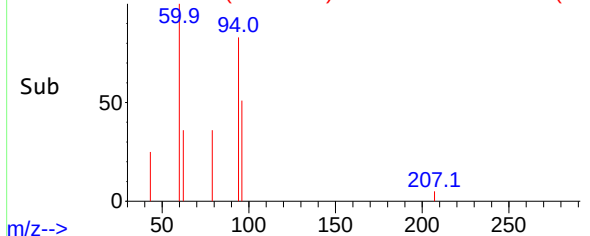
Abundance Scan 136 (2.650 min): VY011739.D\data.ms (-12)



Abundance Scan 140 (2.674 min): VY011787.D\data.ms

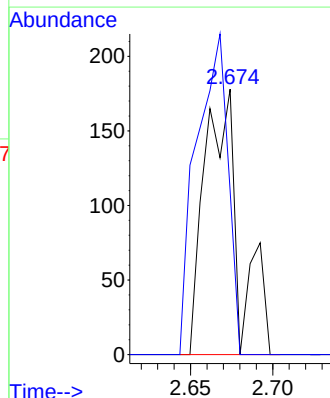


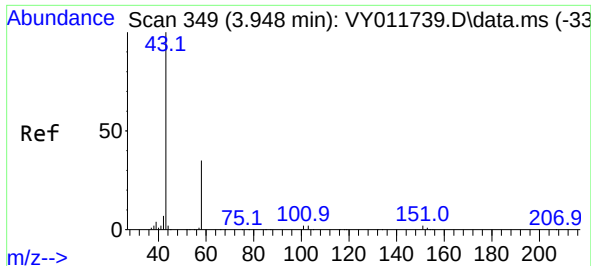
Abundance Scan 140 (2.674 min): VY011787.D\data.ms (-87)



#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 140
Delta R.T. 0.024 min
Lab File: VY011787.D
Acq: 13 Dec 2022 12:47

Tgt Ion: 94 Resp: 261
Ion Ratio Lower Upper
94 100
96 61.8 77.4 116.2#

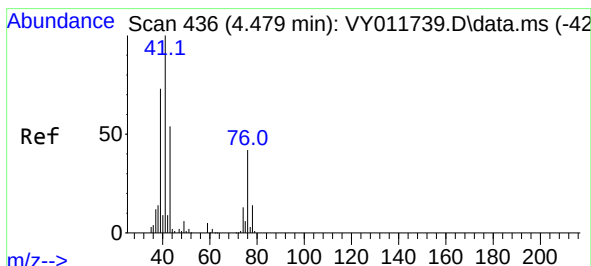
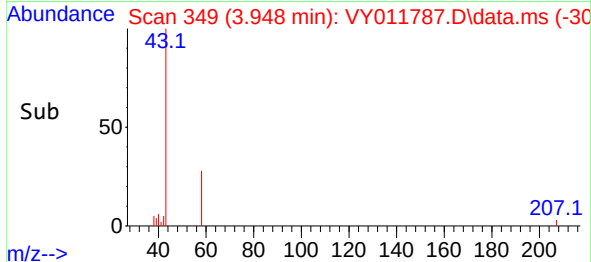
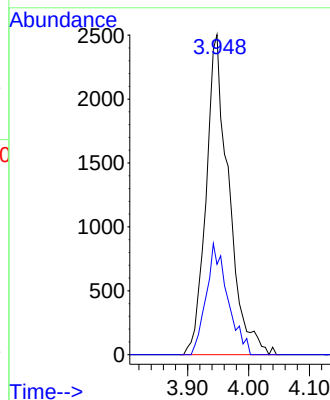
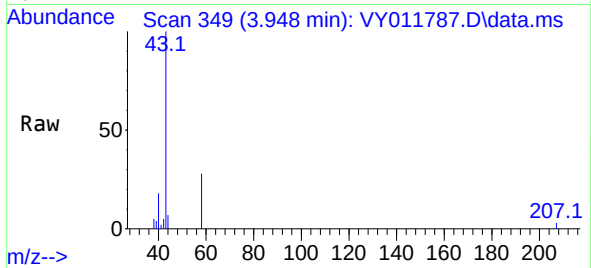




#16
Acetone
Concen: 27.054 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY011787.D
Acq: 13 Dec 2022 12:47

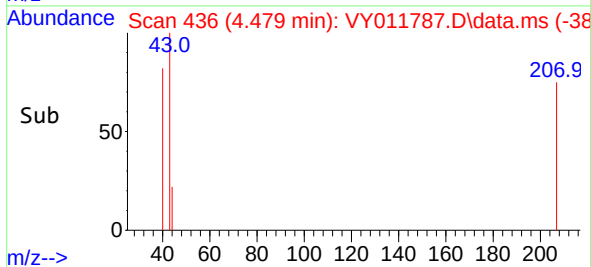
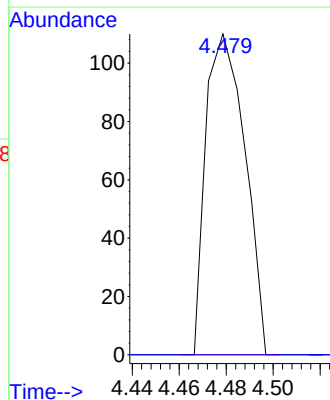
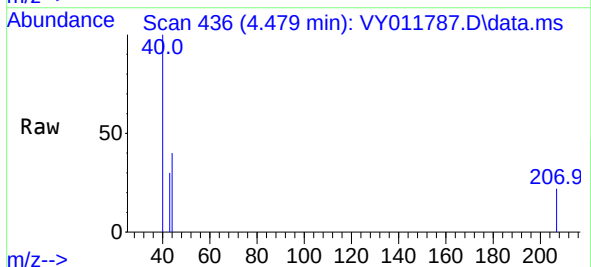
Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-01

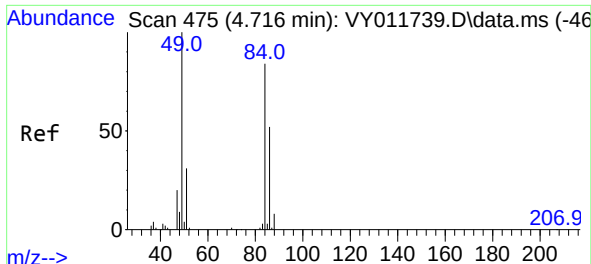
Tgt Ion: 43 Resp: 6476
Ion Ratio Lower Upper
43 100
58 28.3 27.9 41.9



#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY011787.D
Acq: 13 Dec 2022 12:47

Tgt Ion: 43 Resp: 127
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



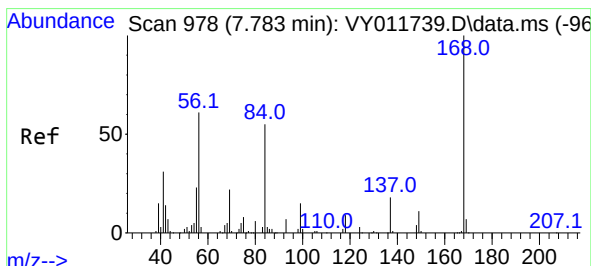
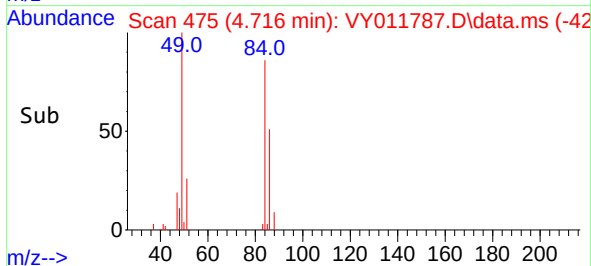
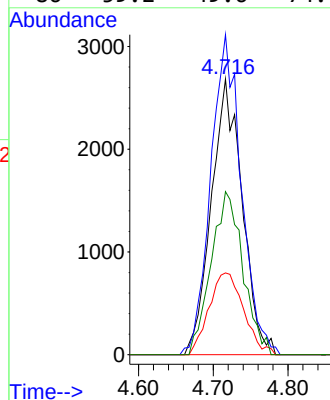
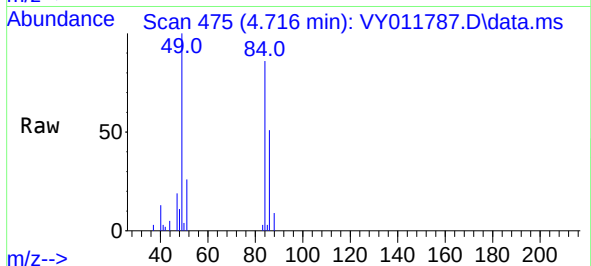


#20
Methylene Chloride
Concen: 3.581 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011787.D
Acq: 13 Dec 2022 12:47

Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-01

Tgt Ion: 84 Resp: 7699

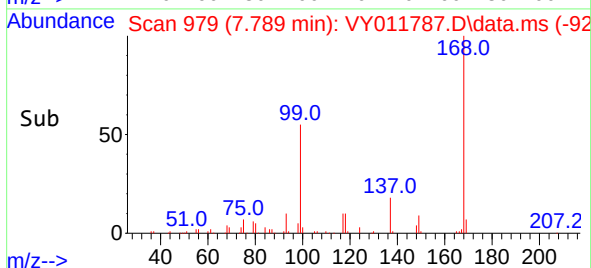
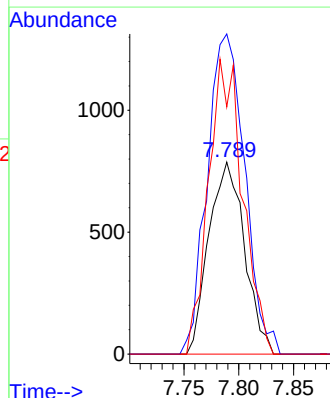
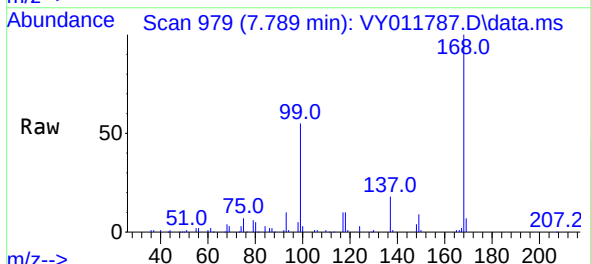
Ion	Ratio	Lower	Upper
84	100		
49	116.1	95.4	143.2
51	29.7	29.9	44.9#
86	59.2	49.6	74.4

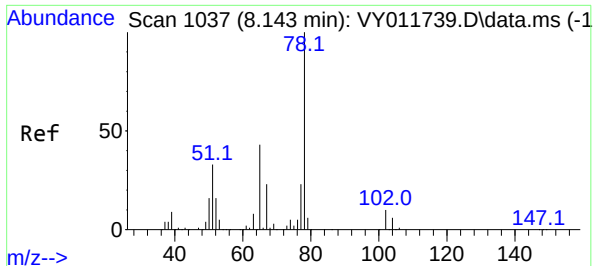


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011787.D
Acq: 13 Dec 2022 12:47

Tgt Ion: 56 Resp: 1784

Ion	Ratio	Lower	Upper
56	100		
69	166.8	29.2	43.8#
84	128.8	72.6	108.8#





#33

1,2-Dichloroethane-d4

Concen: 54.638 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011787.D

Acq: 13 Dec 2022 12:47

Instrument :

MSVOA_Y

ClientSampleId :

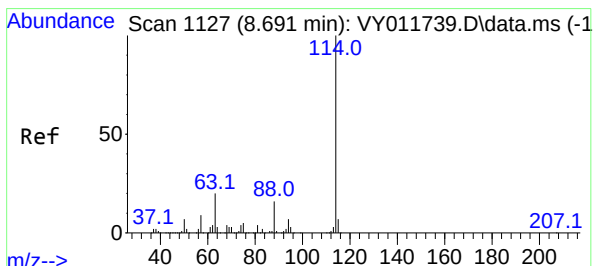
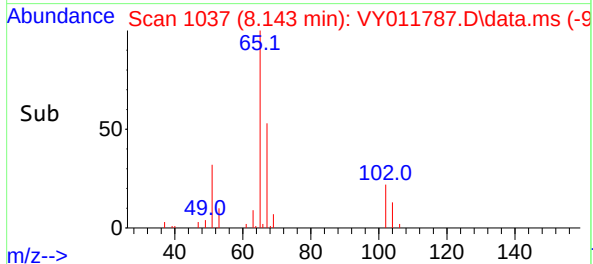
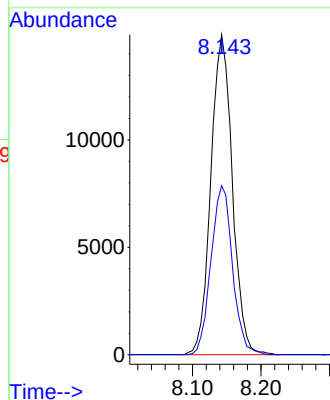
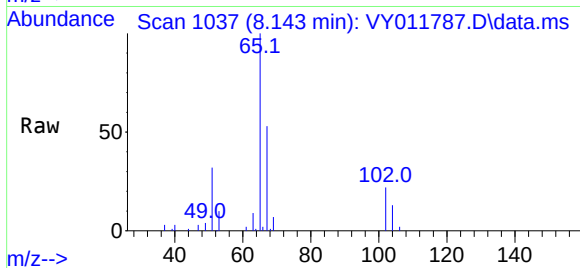
SU-518-COMP-01

Tgt Ion: 65 Resp: 32419

Ion Ratio Lower Upper

65 100

67 52.8 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: VY011787.D

Acq: 13 Dec 2022 12:47

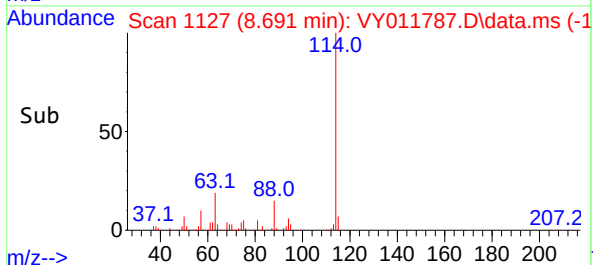
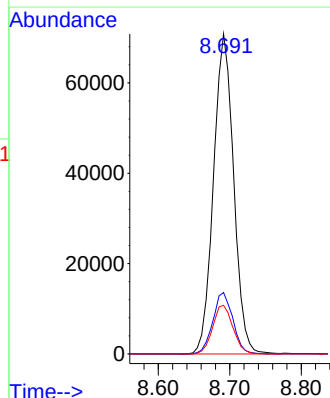
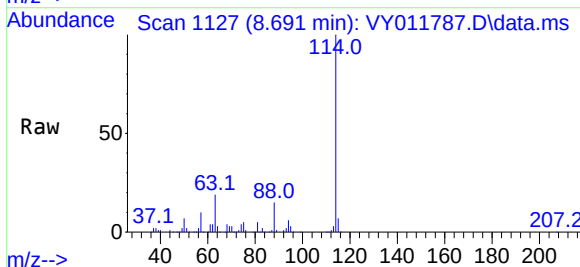
Tgt Ion: 114 Resp: 138586

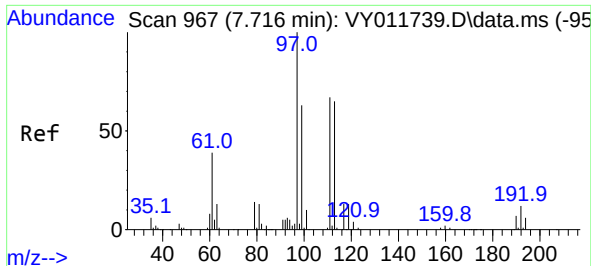
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.2 0.0 32.2

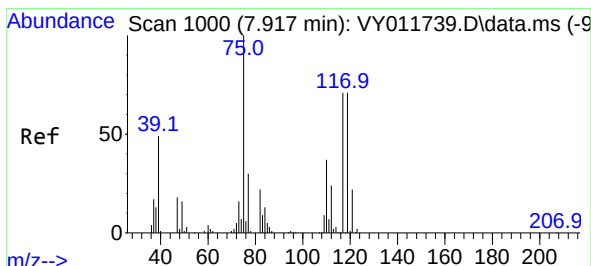
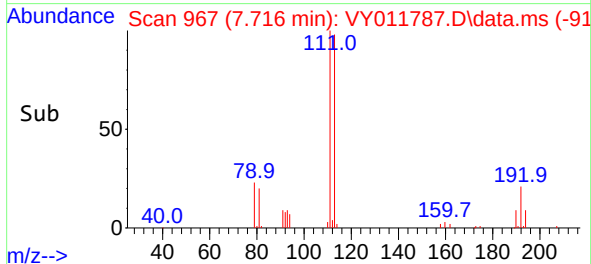
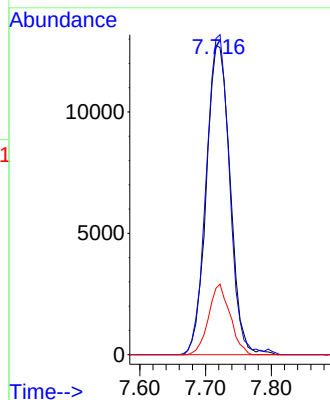
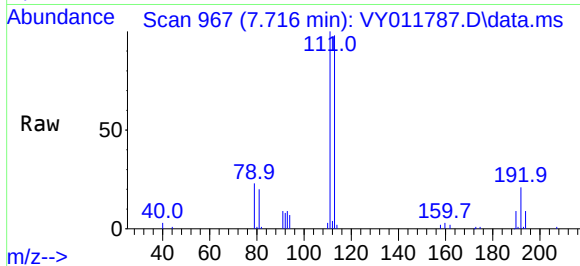




#35
Dibromofluoromethane
Concen: 52.134 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011787.D
Acq: 13 Dec 2022 12:47

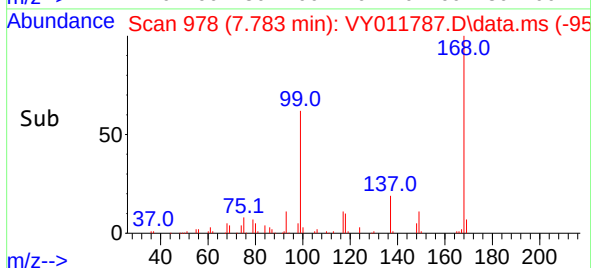
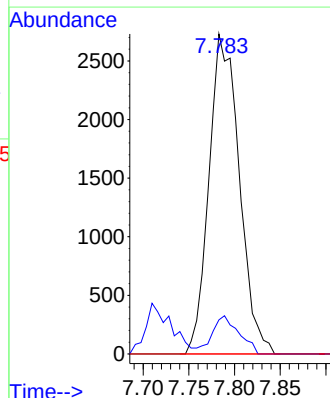
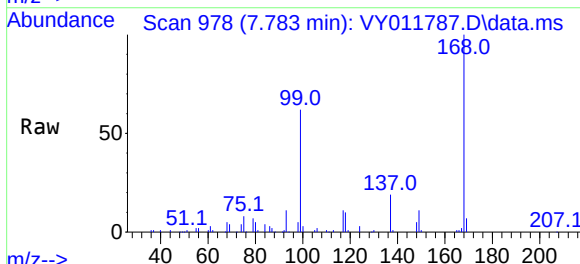
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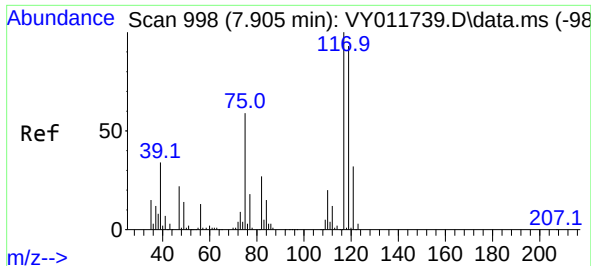
Tgt Ion:113 Resp: 31998
Ion Ratio Lower Upper
113 100
111 100.9 83.0 124.4
192 20.6 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.980 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY011787.D
Acq: 13 Dec 2022 12:47

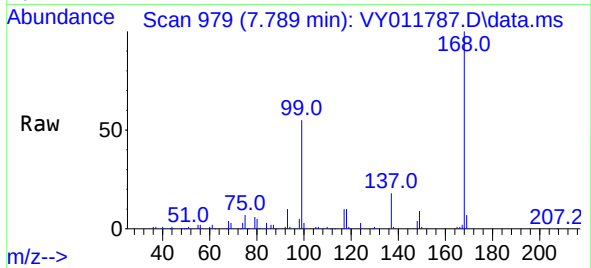
Tgt Ion: 75 Resp: 6289
Ion Ratio Lower Upper
75 100
110 10.5 18.1 54.1#
77 0.0 25.1 37.7#



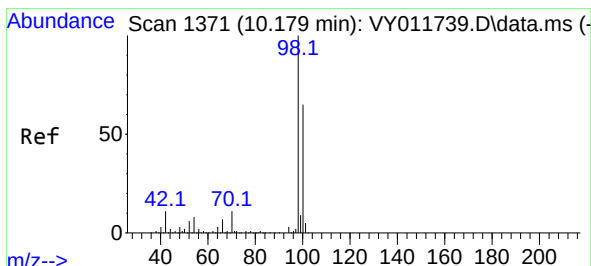
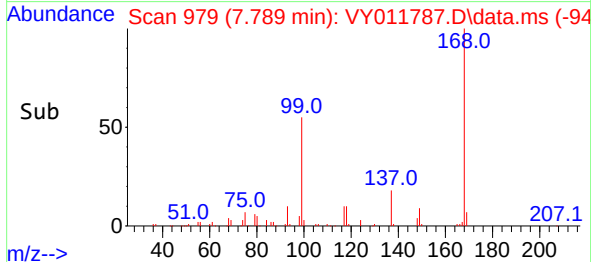
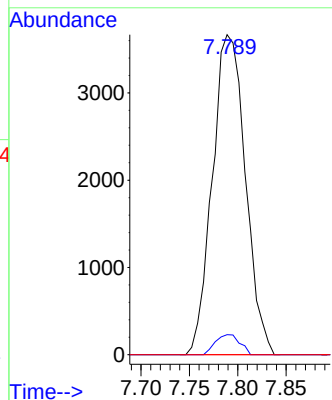


#38
Carbon Tetrachloride
Concen: 7.052 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011787.D
Acq: 13 Dec 2022 12:47

Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-01

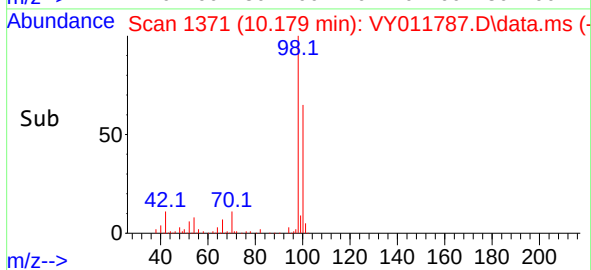
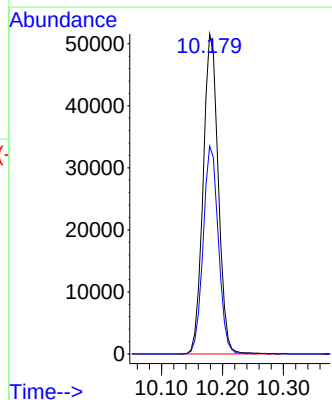
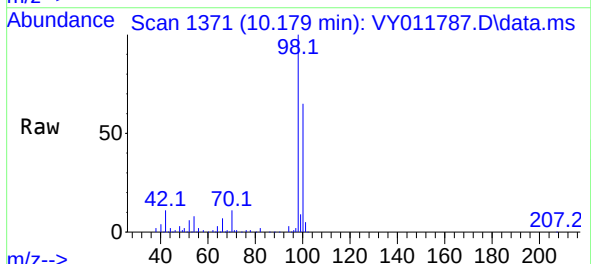


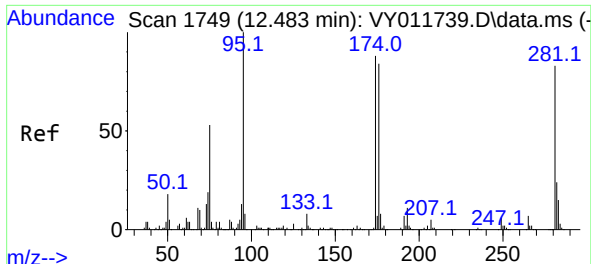
Tgt Ion:117 Resp: 8712
Ion Ratio Lower Upper
117 100
119 6.2 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 43.224 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011787.D
Acq: 13 Dec 2022 12:47

Tgt Ion: 98 Resp: 89073
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9

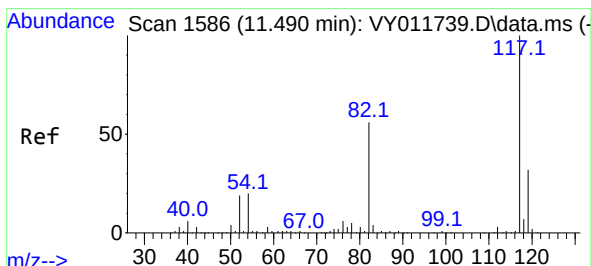
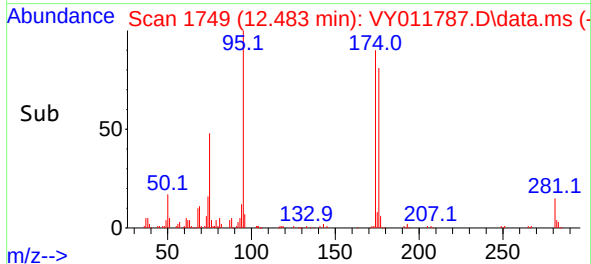
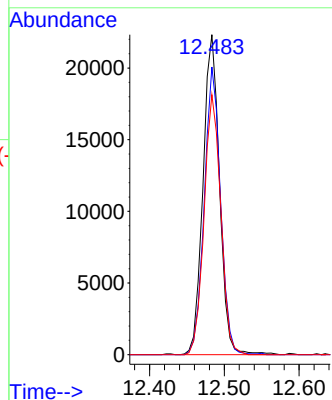
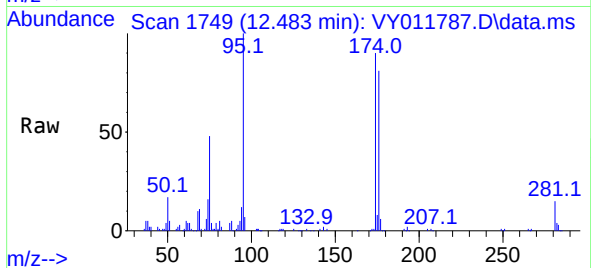




#62
4-Bromofluorobenzene
Concen: 41.800 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011787.D
Acq: 13 Dec 2022 12:47

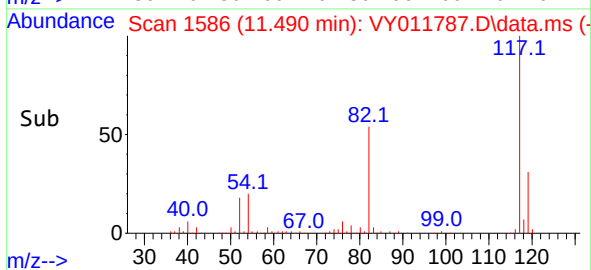
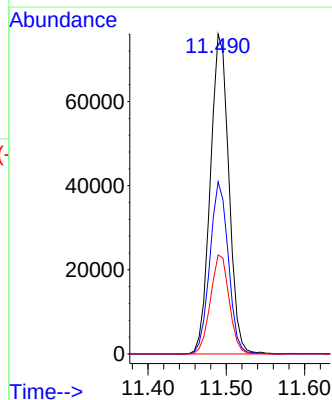
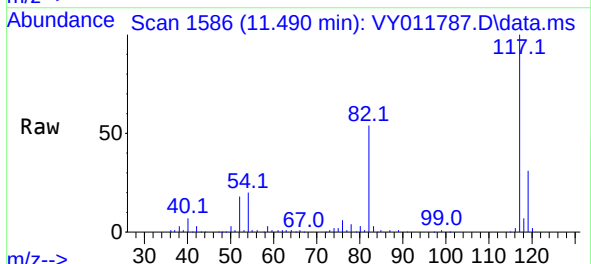
Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-01

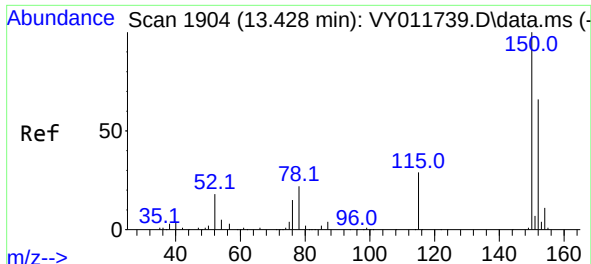
Tgt Ion: 95 Resp: 34188
Ion Ratio Lower Upper
95 100
174 88.7 0.0 172.0
176 82.4 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011787.D
Acq: 13 Dec 2022 12:47

Tgt Ion: 117 Resp: 124789
Ion Ratio Lower Upper
117 100
82 53.8 44.8 67.2
119 31.0 25.4 38.2

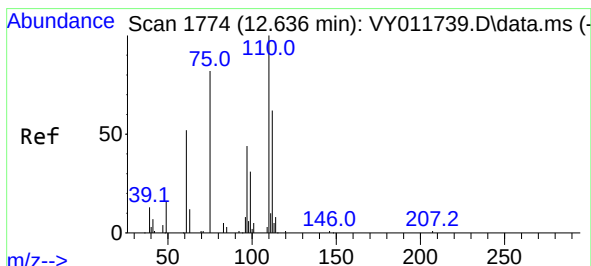
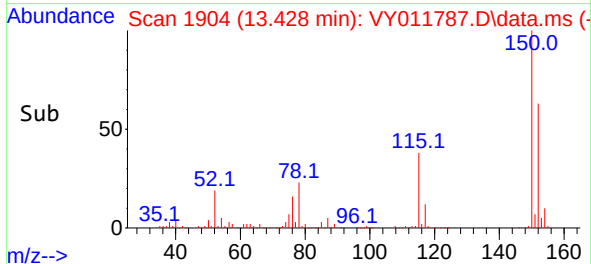
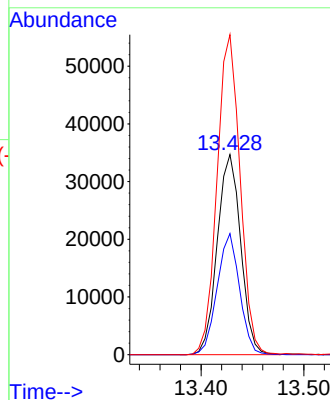
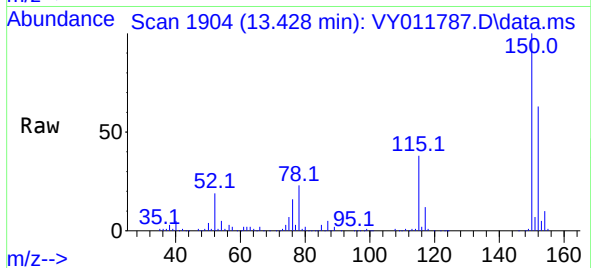




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011787.D
Acq: 13 Dec 2022 12:47

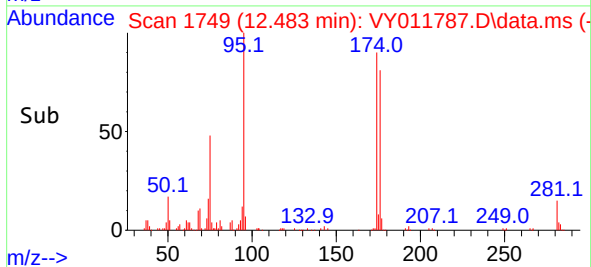
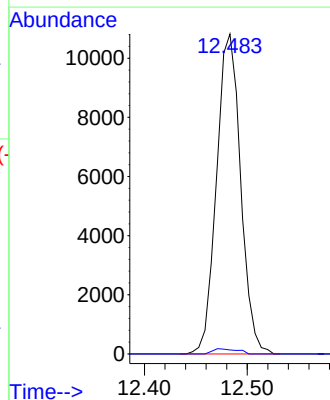
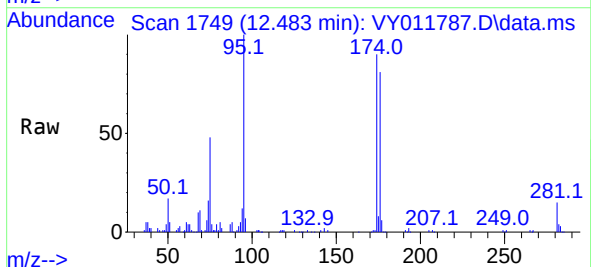
Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-01

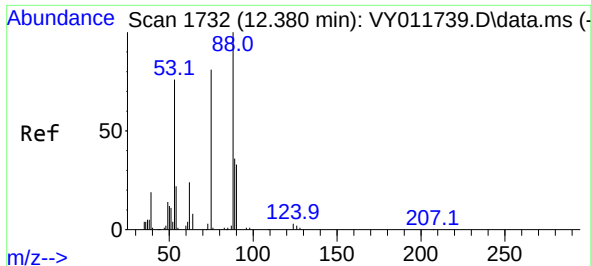
Tgt Ion:152 Resp: 54843
Ion Ratio Lower Upper
152 100
115 58.1 29.1 87.3
150 157.9 0.0 342.6



#76
1,2,3-Trichloropropane
Concen: 31.707 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011787.D
Acq: 13 Dec 2022 12:47

Tgt Ion: 75 Resp: 17593
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.949 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY011787.D
 Acq: 13 Dec 2022 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-518-COMP-01

Tgt Ion: 75 Resp: 17593
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.2 37.0 55.4#

