

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011789.D
 Acq On : 13 Dec 2022 13:32
 Operator : KP/MD
 Sample : N5964-05
 Misc : 4.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-518-COMP-03

Quant Time: Dec 13 22:17:45 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)

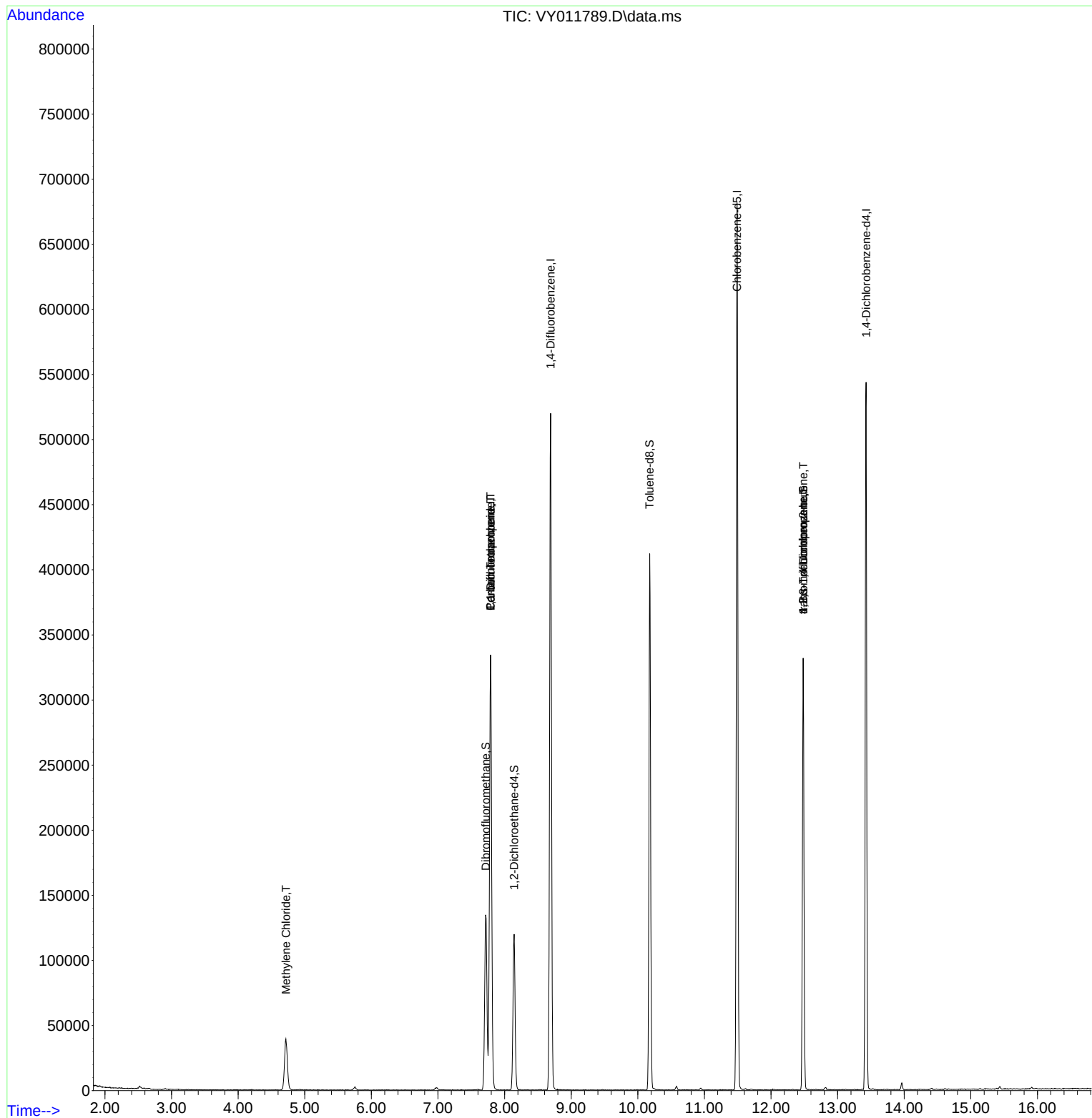
Internal Standards						
1) Pentafluorobenzene	7.789	168	259025	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	443145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	369793	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	143649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	93918	53.467	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.940%			
35) Dibromofluoromethane	7.716	113	94590	47.878	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.760%			
50) Toluene-d8	10.179	98	271247	40.799	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 81.600%			
62) 4-Bromofluorobenzene	12.483	95	94094	35.278	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 70.560%			
Target Compounds						
2) Dichlorodifluoromethane	1.906	85	47	Below Cal	#	41
3) Chloromethane	2.113	50	101	Below Cal	#	41
4) Vinyl Chloride	2.485	62	19	Below Cal	#	43
5) Bromomethane	2.656	94	183	Below Cal	#	54
11) Tert butyl alcohol	4.936	59	465	Below Cal	#	74
18) Methyl Acetate	4.686	43	25	Below Cal	#	50
20) Methylene Chloride	4.716	84	29437	6.592	ug/l	97
31) Cyclohexane	7.789	56	5314	Below Cal	#	13
36) 1,1-Dichloropropene	7.789	75	19152	5.695	ug/l #	49
38) Carbon Tetrachloride	7.789	117	25758	6.521	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	49550	34.094	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	49550	77.365	ug/l #	13

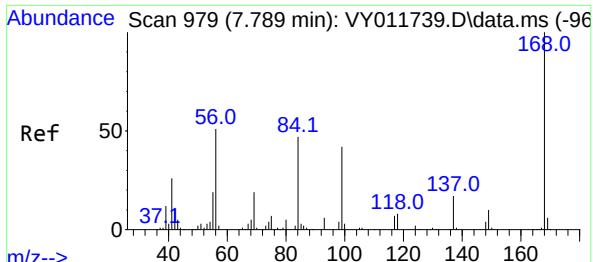
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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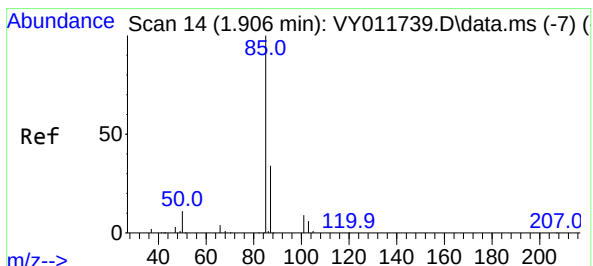
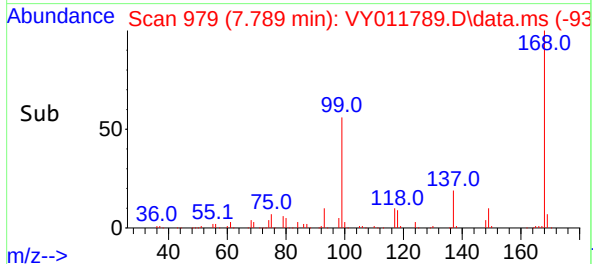
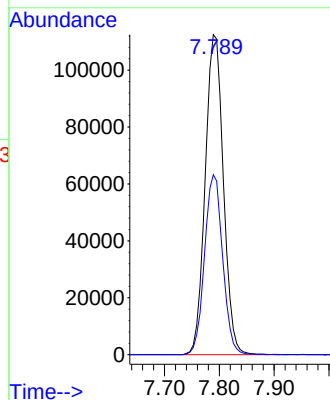
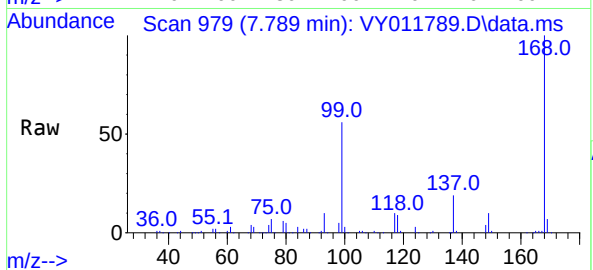




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011789.D
Acq: 13 Dec 2022 13:32

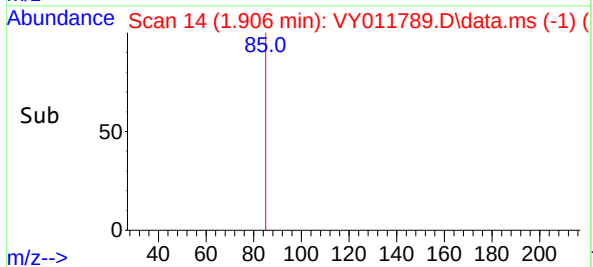
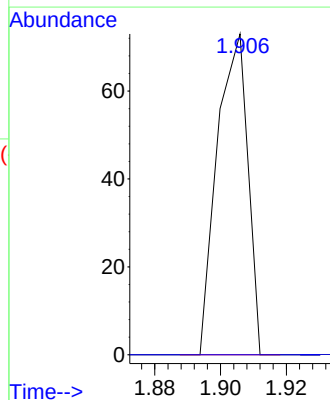
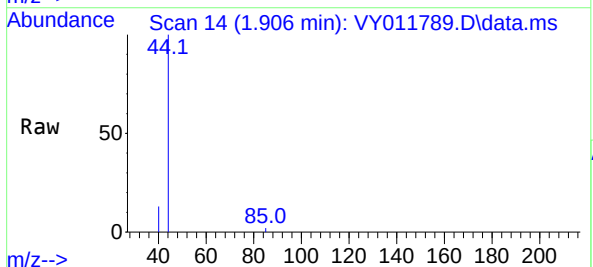
Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-03

Tgt Ion:168 Resp: 259025
Ion Ratio Lower Upper
168 100
99 56.2 44.0 66.0

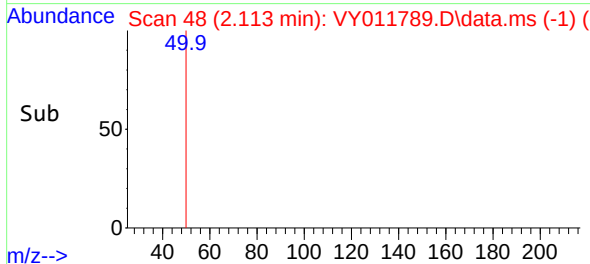
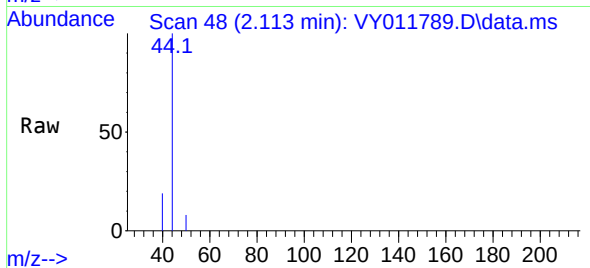
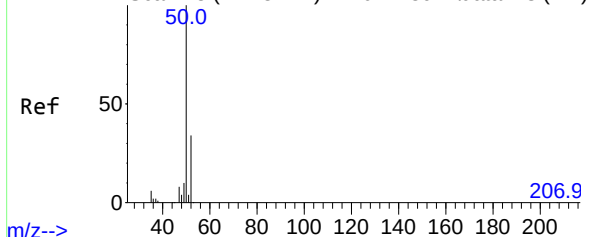


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011789.D
Acq: 13 Dec 2022 13:32

Tgt Ion: 85 Resp: 47
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



Abundance Scan 48 (2.113 min): VY011739.D\data.ms (-42)



#3

Chloromethane

Concen: Below Cal

RT: 2.113 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY011789.D

Acq: 13 Dec 2022 13:32

Instrument :

MSVOA_Y

ClientSampleId :

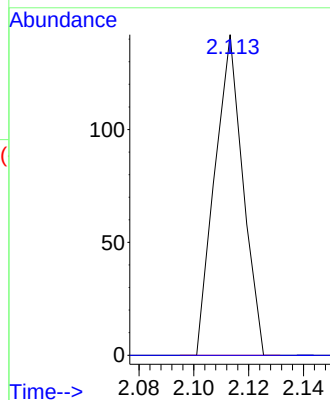
SU-518-COMP-03

Tgt Ion: 50 Resp: 101

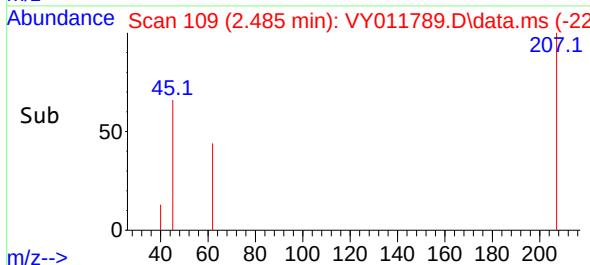
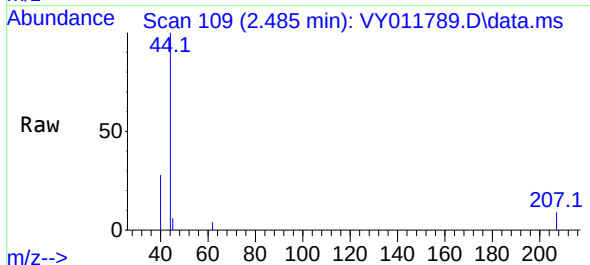
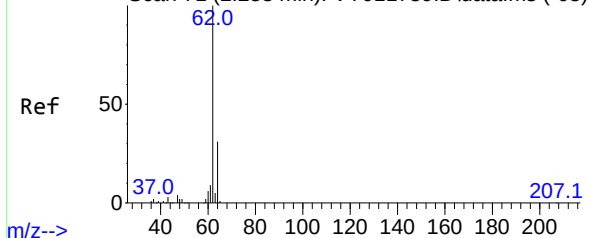
Ion Ratio Lower Upper

50 100

52 0.0 26.8 40.2#



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



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.485 min Scan# 109

Delta R.T. 0.232 min

Lab File: VY011789.D

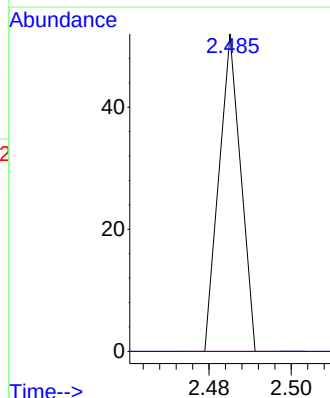
Acq: 13 Dec 2022 13:32

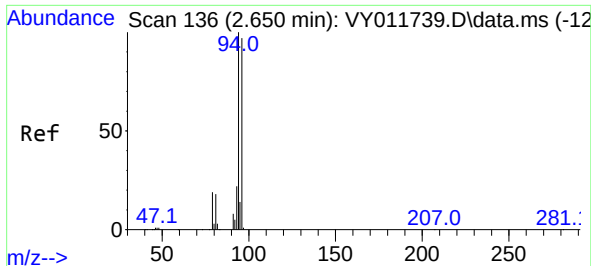
Tgt Ion: 62 Resp: 19

Ion Ratio Lower Upper

62 100

64 0.0 25.0 37.6#

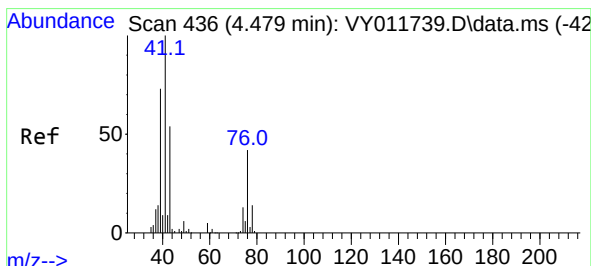
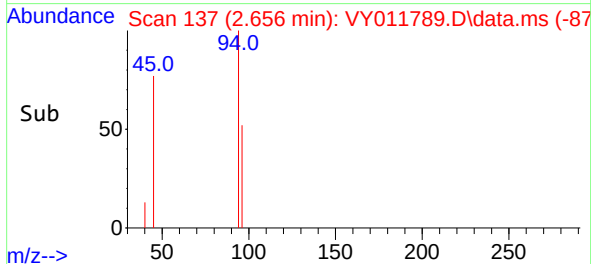
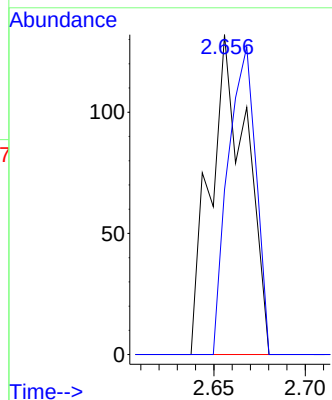
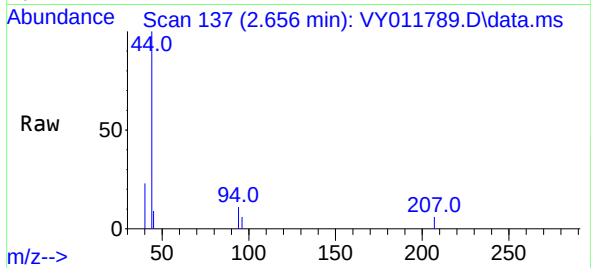




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY011789.D
Acq: 13 Dec 2022 13:32

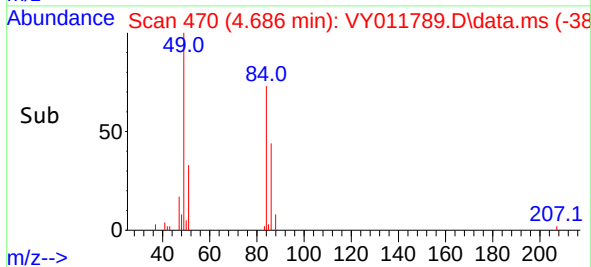
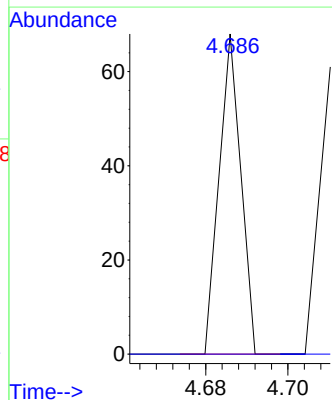
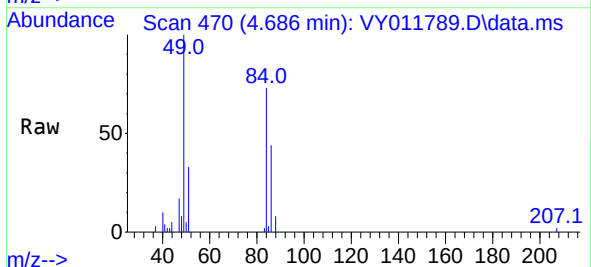
Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-03

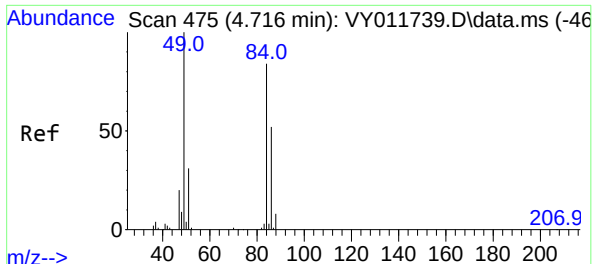
Tgt Ion: 94 Resp: 183
Ion Ratio Lower Upper
94 100
96 51.5 77.4 116.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.686 min Scan# 470
Delta R.T. 0.207 min
Lab File: VY011789.D
Acq: 13 Dec 2022 13:32

Tgt Ion: 43 Resp: 25
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



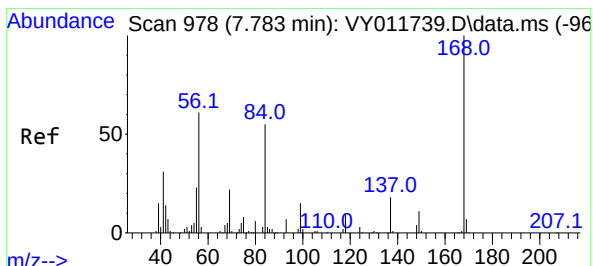
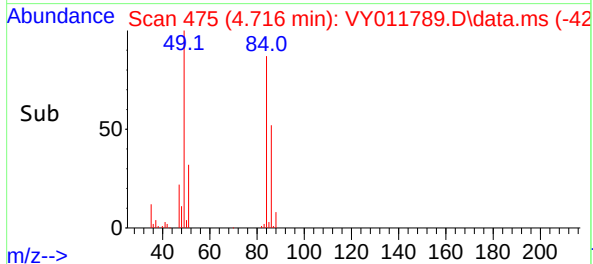
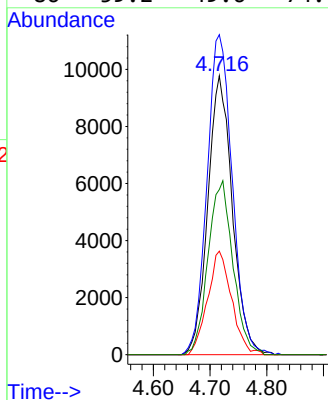
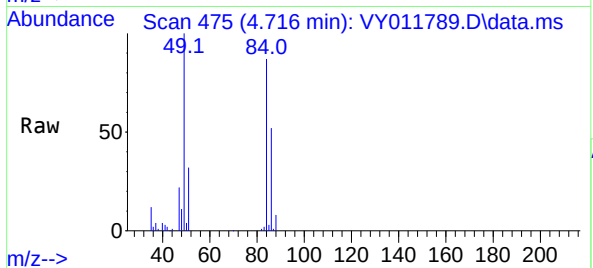


#20
Methylene Chloride
Concen: 6.592 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011789.D
Acq: 13 Dec 2022 13:32

Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-03

Tgt Ion: 84 Resp: 29437

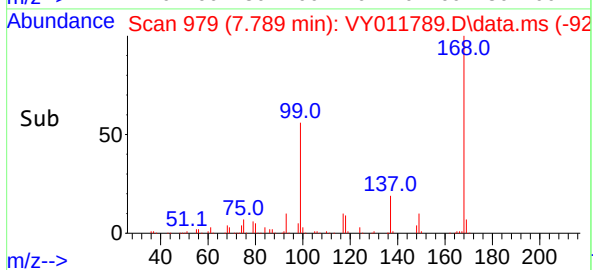
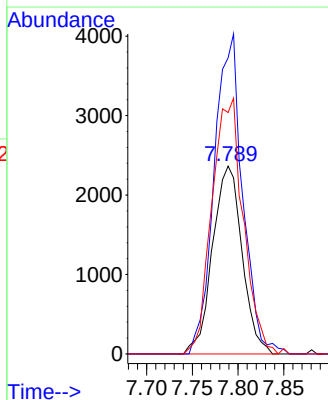
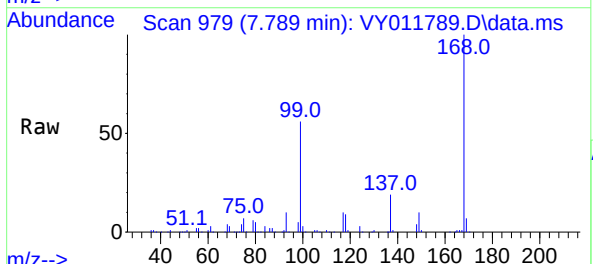
Ion	Ratio	Lower	Upper
84	100		
49	114.7	95.4	143.2
51	37.1	29.9	44.9
86	59.2	49.6	74.4

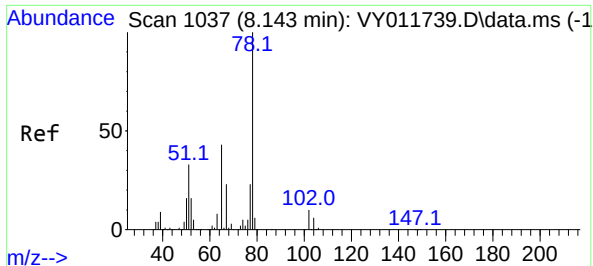


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011789.D
Acq: 13 Dec 2022 13:32

Tgt Ion: 56 Resp: 5314

Ion	Ratio	Lower	Upper
56	100		
69	157.6	29.2	43.8#
84	128.5	72.6	108.8#





#33

1,2-Dichloroethane-d4

Concen: 53.467 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011789.D

Acq: 13 Dec 2022 13:32

Instrument :

MSVOA_Y

ClientSampleId :

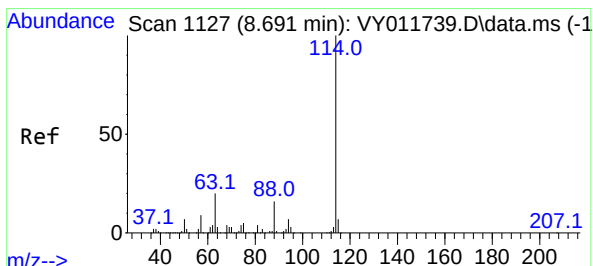
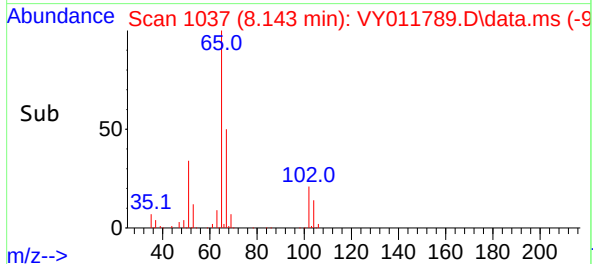
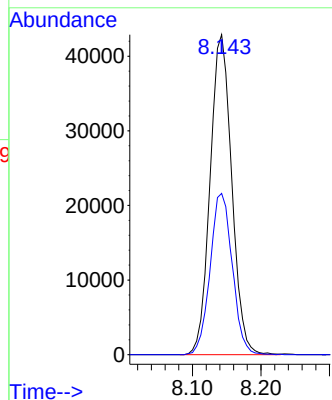
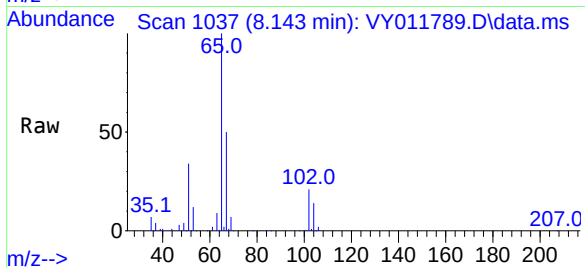
SU-518-COMP-03

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: VY011789.D

Acq: 13 Dec 2022 13:32

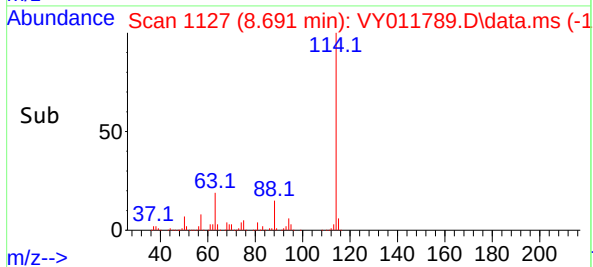
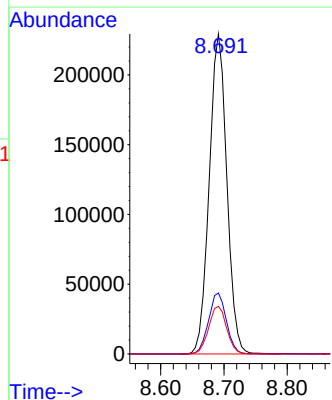
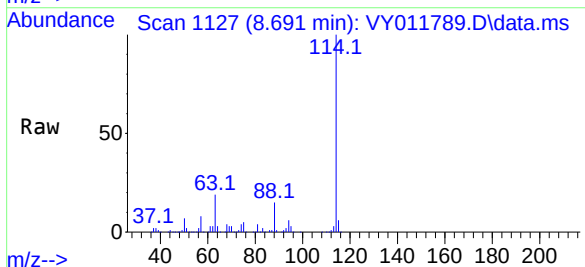
Tgt Ion: 114 Resp: 443145

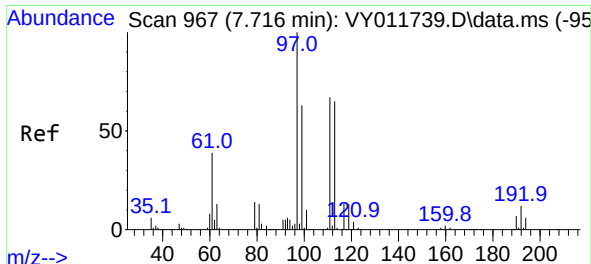
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 14.9 0.0 32.2

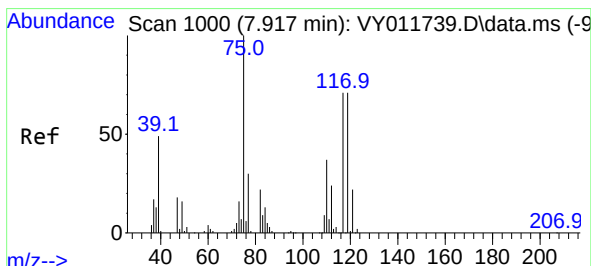
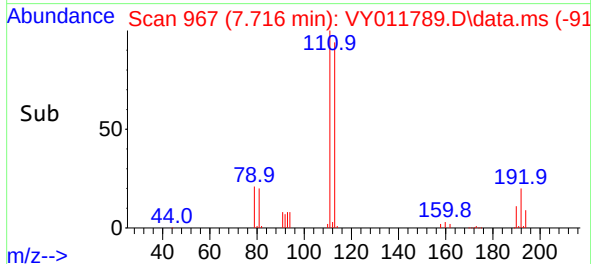
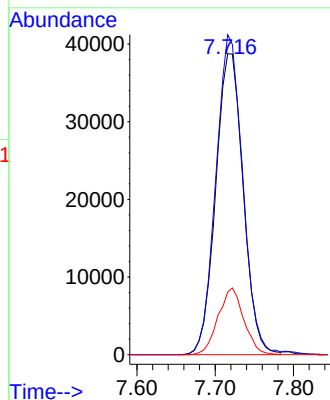
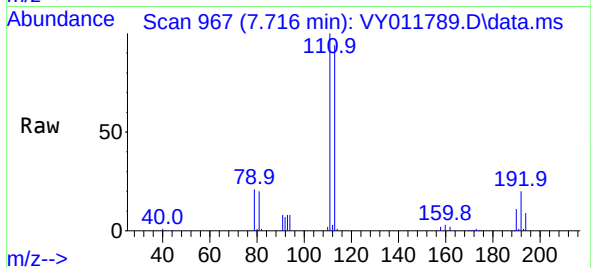




#35
Dibromofluoromethane
Concen: 47.878 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011789.D
Acq: 13 Dec 2022 13:32

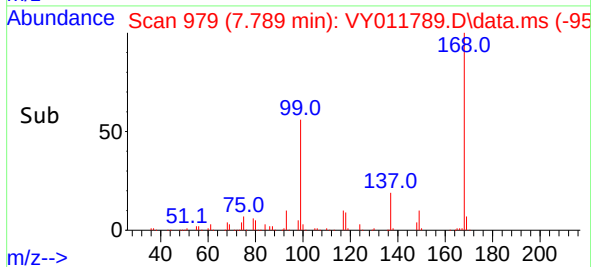
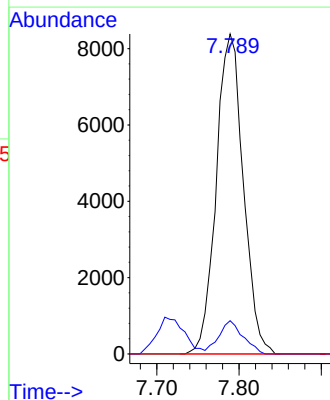
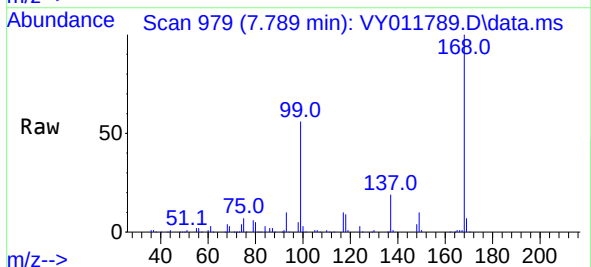
Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-03

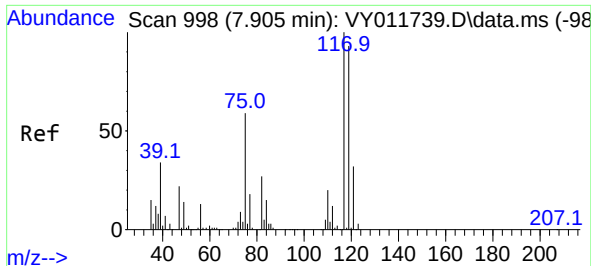
Tgt Ion:113 Resp: 94590
Ion Ratio Lower Upper
113 100
111 104.6 83.0 124.4
192 20.7 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.695 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011789.D
Acq: 13 Dec 2022 13:32

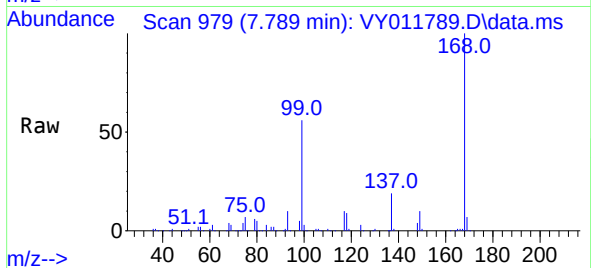
Tgt Ion: 75 Resp: 19152
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.1#
77 0.0 25.1 37.7#



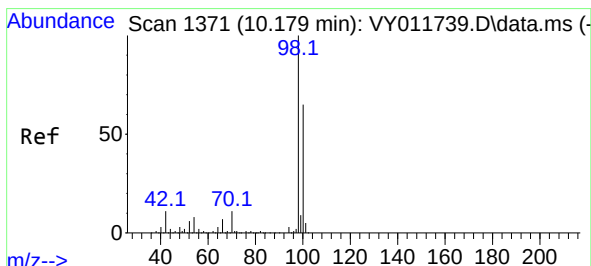
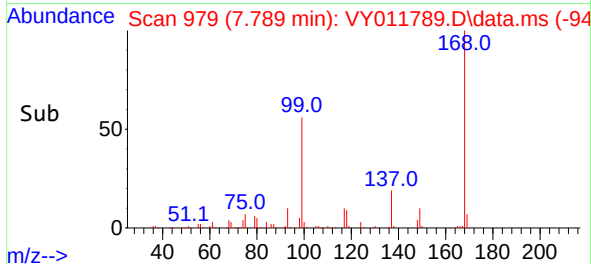
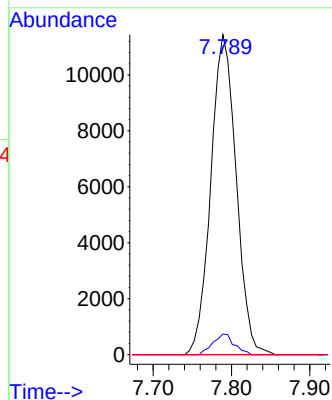


#38
Carbon Tetrachloride
Concen: 6.521 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011789.D
Acq: 13 Dec 2022 13:32

Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-03

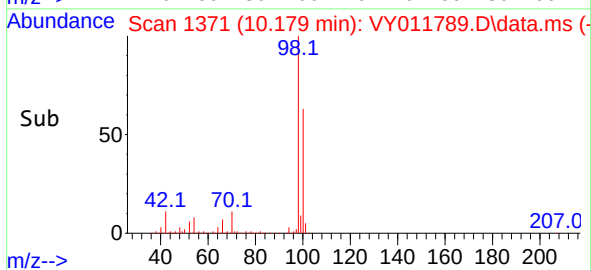
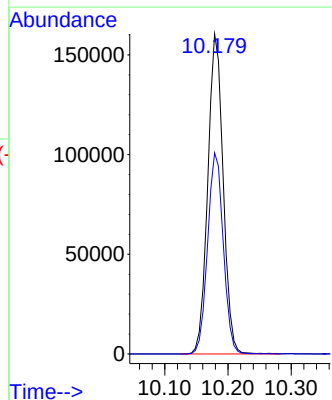
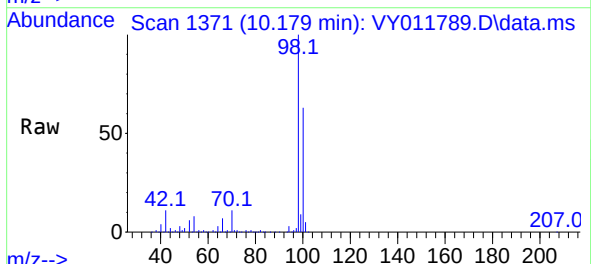


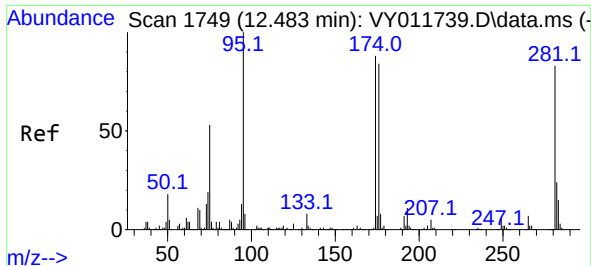
Tgt Ion:117 Resp: 25758
Ion Ratio Lower Upper
117 100
119 6.5 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 40.799 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011789.D
Acq: 13 Dec 2022 13:32

Tgt Ion: 98 Resp: 271247
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

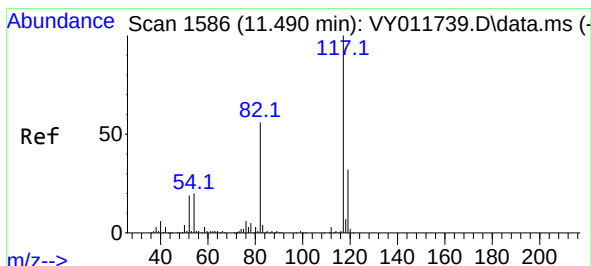
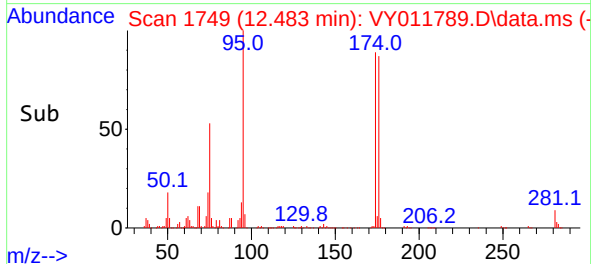
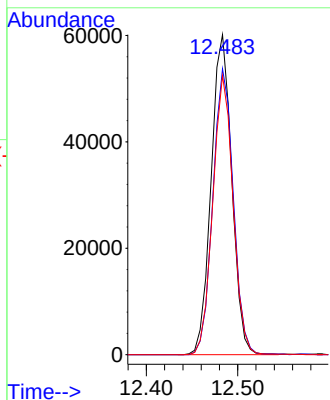
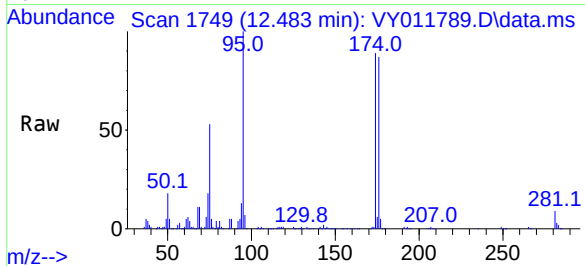




#62
4-Bromofluorobenzene
Concen: 35.278 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011789.D
Acq: 13 Dec 2022 13:32

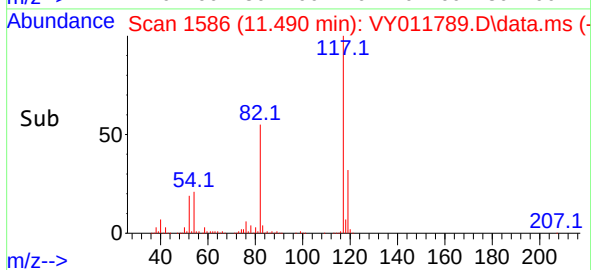
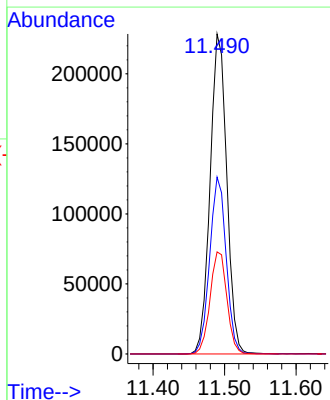
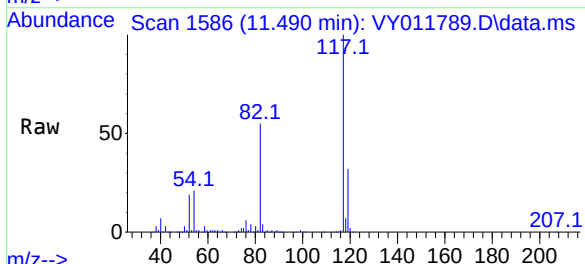
Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-03

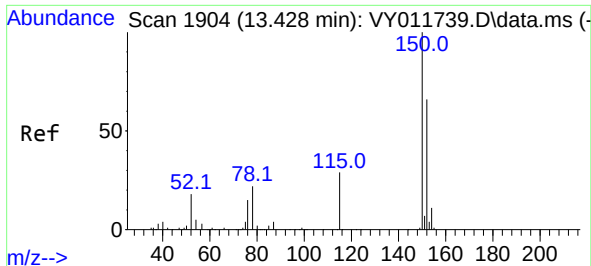
Tgt Ion:	95	Resp:	94094
Ion	Ratio	Lower	Upper
95	100		
174	88.7	0.0	172.0
176	86.0	0.0	167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY011789.D
Acq: 13 Dec 2022 13:32

Tgt Ion:	117	Resp:	369793
Ion	Ratio	Lower	Upper
117	100		
82	55.3	44.8	67.2
119	31.9	25.4	38.2

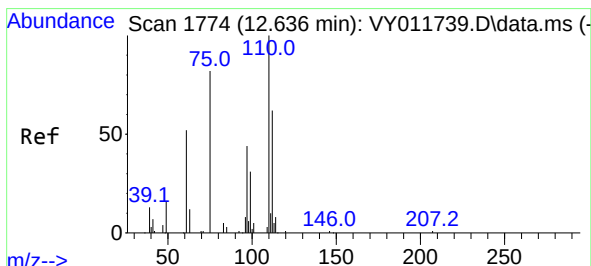
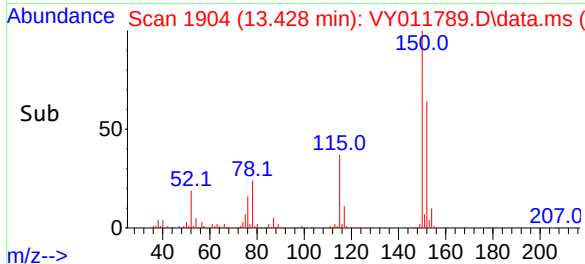
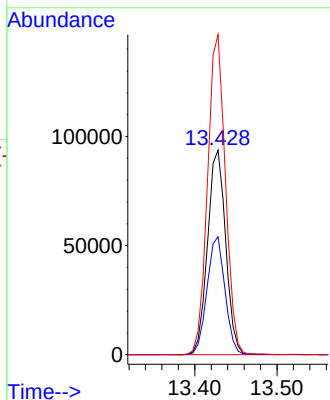
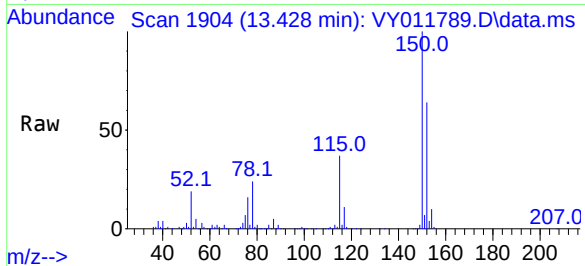




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY011789.D
 Acq: 13 Dec 2022 13:32

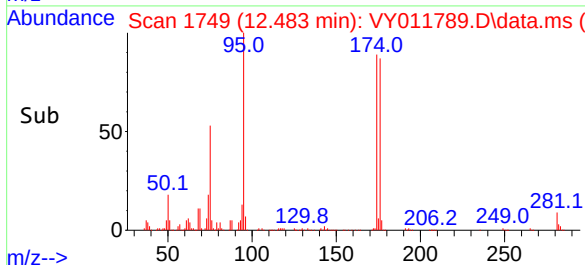
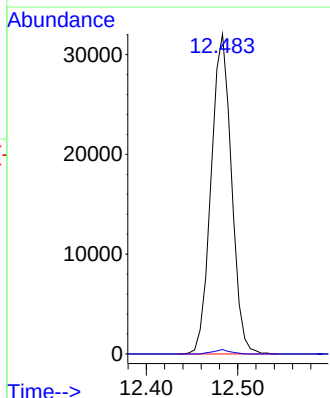
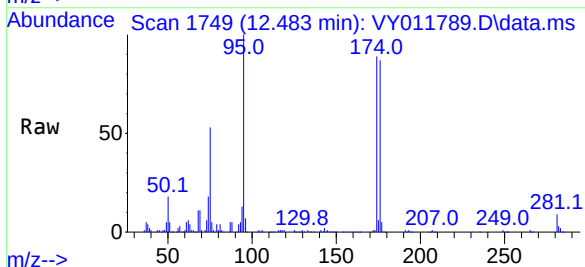
Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-518-COMP-03

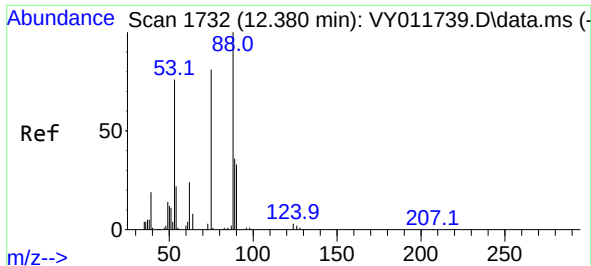
Tgt Ion:152 Resp: 143649
 Ion Ratio Lower Upper
 152 100
 115 57.3 29.1 87.3
 150 154.1 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 34.094 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY011789.D
 Acq: 13 Dec 2022 13:32

Tgt Ion: 75 Resp: 49550
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 77.365 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY011789.D
 Acq: 13 Dec 2022 13:32

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-518-COMP-03

Tgt Ion: 75 Resp: 49550
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.5 108.7#
 89 0.1 37.0 55.4#

