

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121322\
 Data File : VY011794.D
 Acq On : 13 Dec 2022 15:25
 Operator : KP/MD
 Sample : N5964-01RE
 Misc : 3.75g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Dec 13 22:18:25 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)

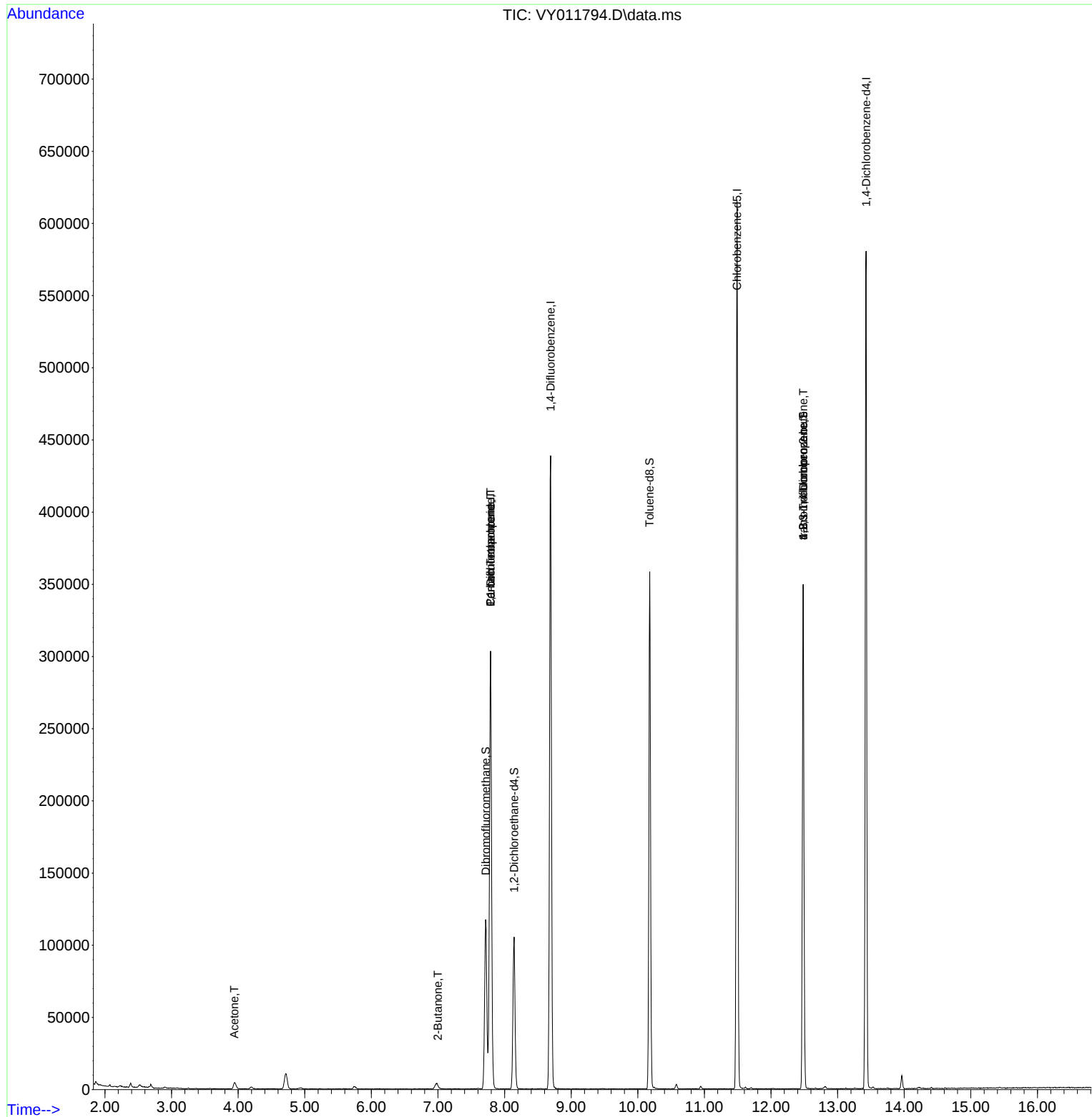
Internal Standards						
1) Pentafluorobenzene	7.789	168	226457	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	374319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	330819	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	155570	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	80312	52.181	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.360%
35) Dibromofluoromethane	7.716	113	81534	48.944	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.880%
50) Toluene-d8	10.179	98	235878	42.228	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	84.460%
62) 4-Bromofluorobenzene	12.483	95	93059	42.164	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	84.320%
Target Compounds						
2) Dichlorodifluoromethane	1.906	85	49	Below Cal	#	41
3) Chloromethane	2.125	50	154	Below Cal	#	41
5) Bromomethane	2.662	94	164	Below Cal		98
11) Tert butyl alcohol	4.930	59	1110	Below Cal	#	74
16) Acetone	3.942	43	7903	12.781	ug/l	96
18) Methyl Acetate	4.479	43	222	Below Cal	#	50
20) Methylene Chloride	4.716	84	8437	Below Cal		97
25) 2-Butanone	6.996	43	1455	1.829	ug/l	95
31) Cyclohexane	7.789	56	4695	Below Cal	#	10
36) 1,1-Dichloropropene	7.789	75	17003	5.986	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	23347	6.997	ug/l	# 17
76) 1,2,3-Trichloropropane	12.483	75	48743	30.968	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	48743	70.273	ug/l	# 13

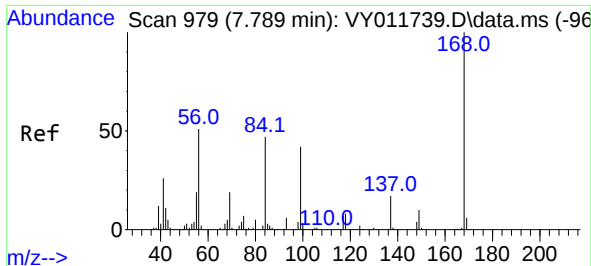
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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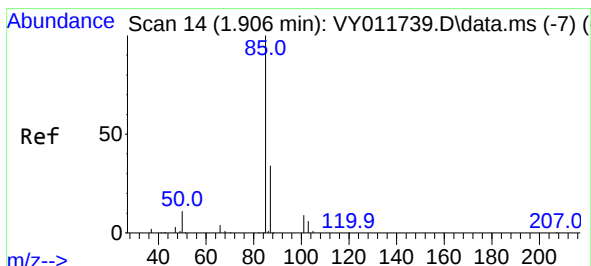
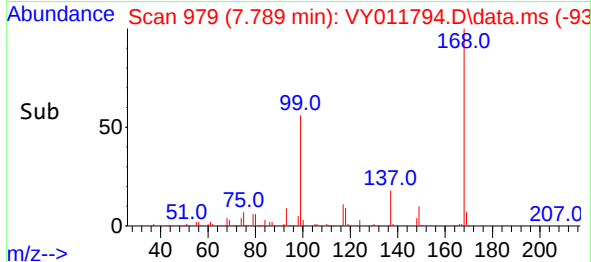
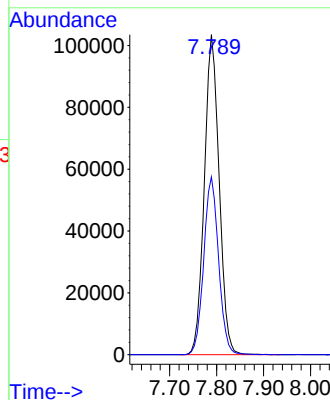
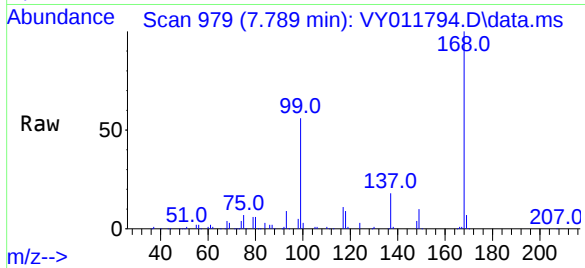




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011794.D
Acq: 13 Dec 2022 15:25

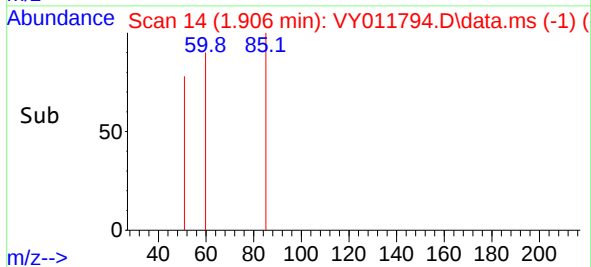
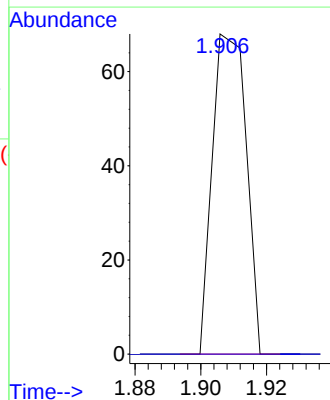
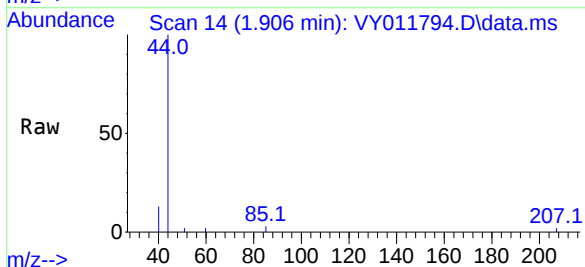
Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-01

Tgt Ion:168 Resp: 226457
Ion Ratio Lower Upper
168 100
99 55.5 44.0 66.0

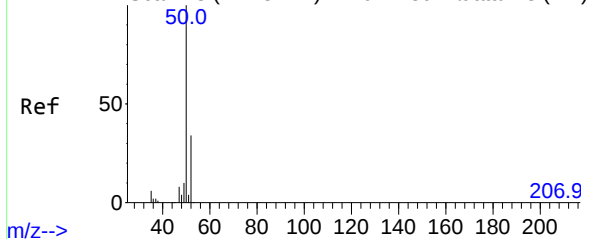


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011794.D
Acq: 13 Dec 2022 15:25

Tgt Ion: 85 Resp: 49
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: 2.125 min Scan# 50

Delta R.T. 0.012 min

Lab File: VY011794.D

Acq: 13 Dec 2022 15:25

Instrument :

MSVOA_Y

ClientSampleId :

SU-518-COMP-01

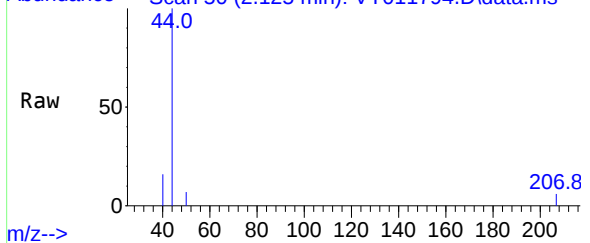
Tgt Ion: 50 Resp: 154

Ion Ratio Lower Upper

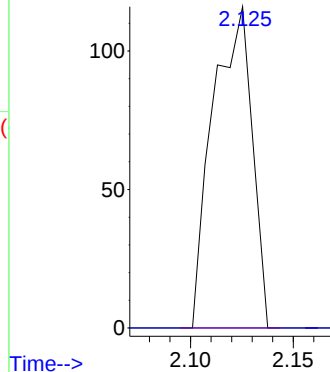
50 100

52 0.0 26.8 40.2#

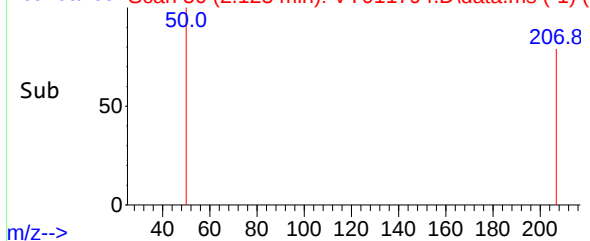
Abundance Scan 50 (2.125 min): VY011794.D\data.ms



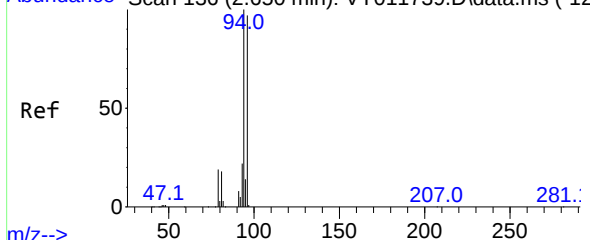
Abundance



Abundance Scan 50 (2.125 min): VY011794.D\data.ms (-1)



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



#5

Bromomethane

Concen: Below Cal

RT: 2.662 min Scan# 138

Delta R.T. 0.012 min

Lab File: VY011794.D

Acq: 13 Dec 2022 15:25

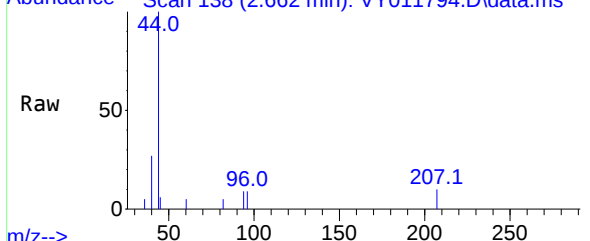
Tgt Ion: 94 Resp: 164

Ion Ratio Lower Upper

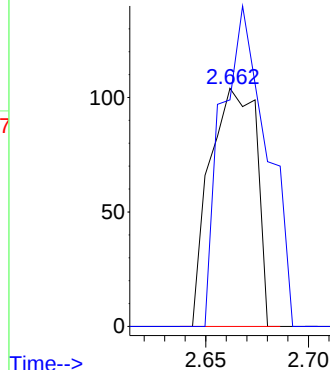
94 100

96 95.2 77.4 116.2

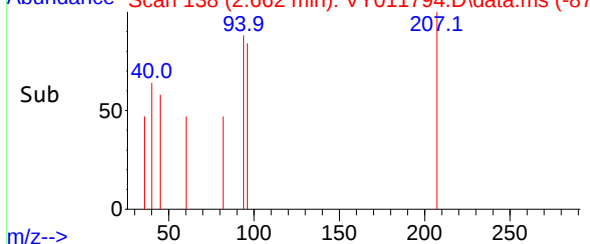
Abundance Scan 138 (2.662 min): VY011794.D\data.ms

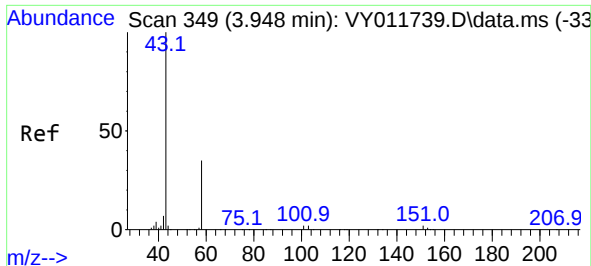


Abundance



Abundance Scan 138 (2.662 min): VY011794.D\data.ms (-87)

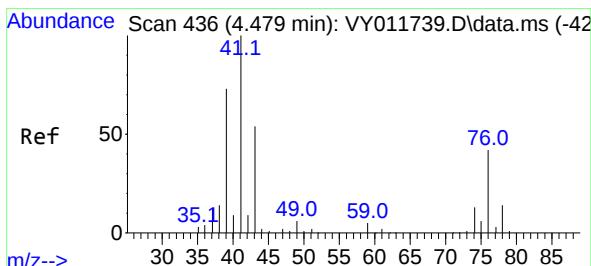
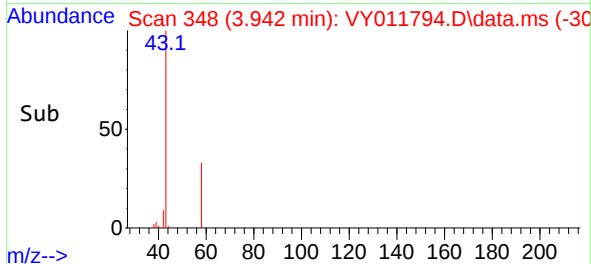
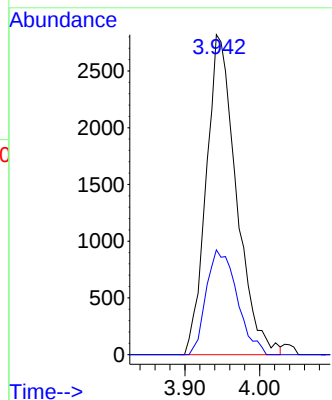
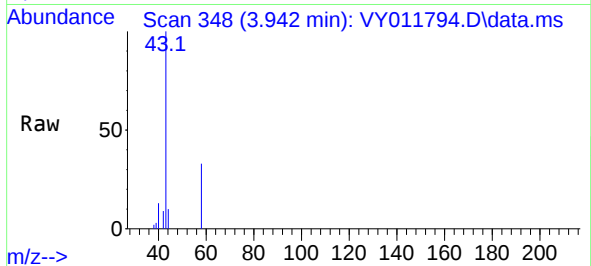




#16
Acetone
Concen: 12.781 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY011794.D
Acq: 13 Dec 2022 15:25

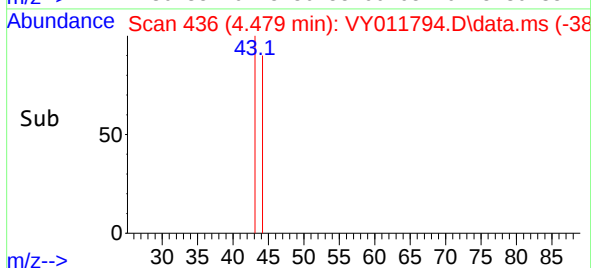
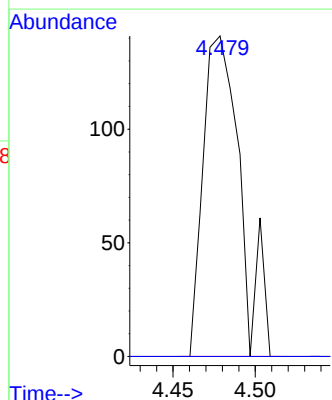
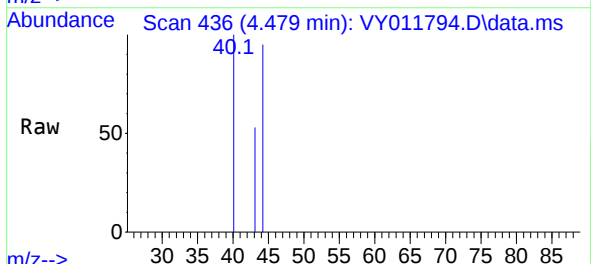
Instrument :
MSVOA_Y
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SU-518-COMP-01

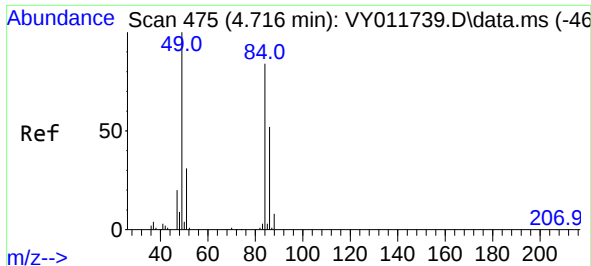
Tgt Ion: 43 Resp: 7903
Ion Ratio Lower Upper
43 100
58 32.7 27.9 41.9



#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 436
Delta R.T. -0.000 min
Lab File: VY011794.D
Acq: 13 Dec 2022 15:25

Tgt Ion: 43 Resp: 222
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#

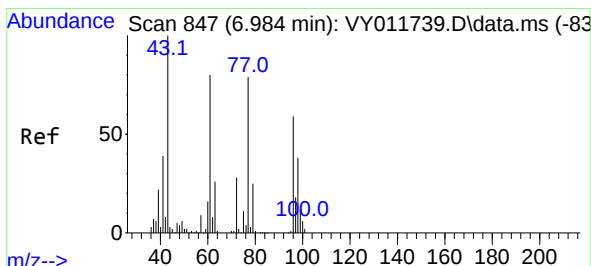
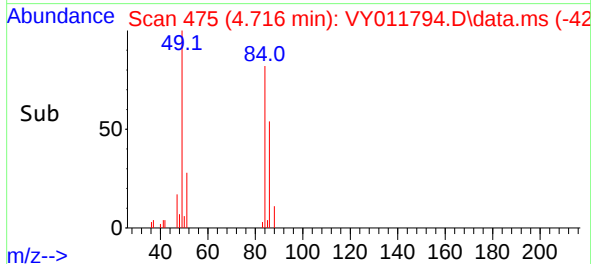
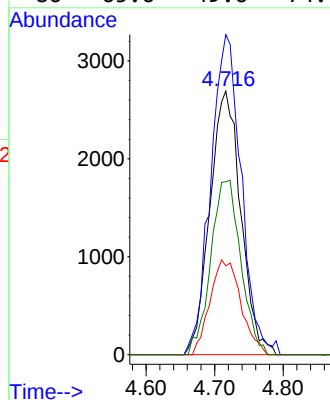
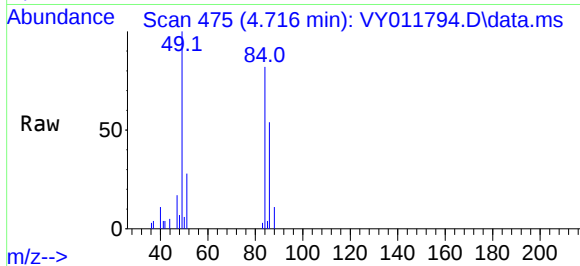




#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011794.D
Acq: 13 Dec 2022 15:25

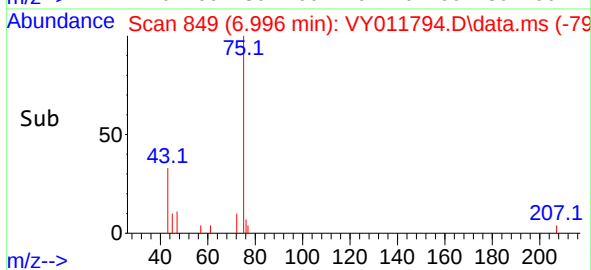
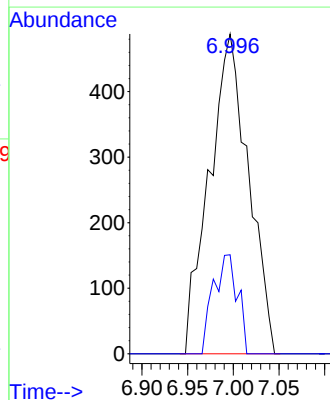
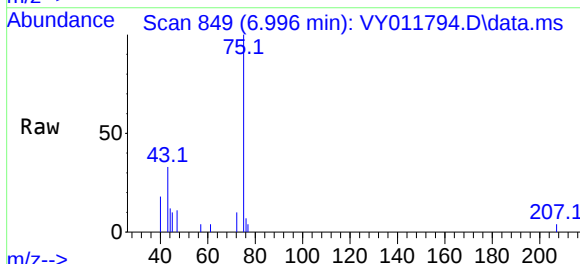
Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-01

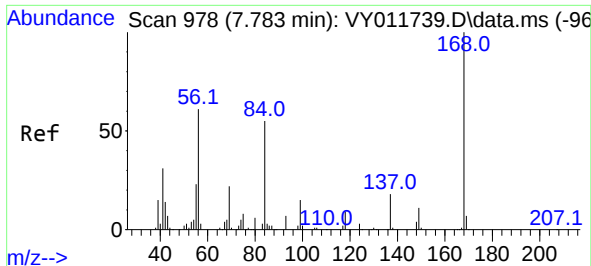
Tgt Ion:	84	Resp:	8437
Ion	Ratio	Lower	Upper
84	100		
49	121.4	95.4	143.2
51	33.7	29.9	44.9
86	65.6	49.6	74.4



#25
2-Butanone
Concen: 1.829 ug/l
RT: 6.996 min Scan# 849
Delta R.T. 0.012 min
Lab File: VY011794.D
Acq: 13 Dec 2022 15:25

Tgt Ion:	43	Resp:	1455
Ion	Ratio	Lower	Upper
43	100		
72	30.9	22.6	34.0

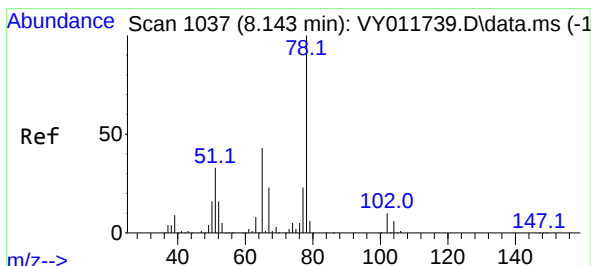
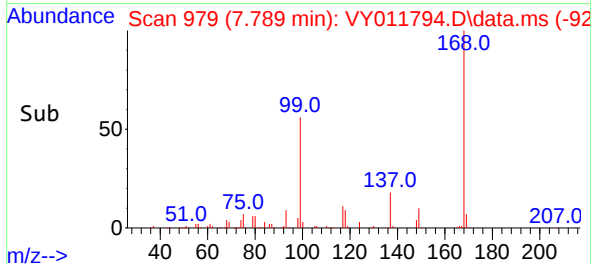
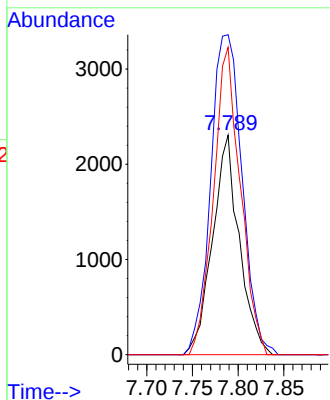
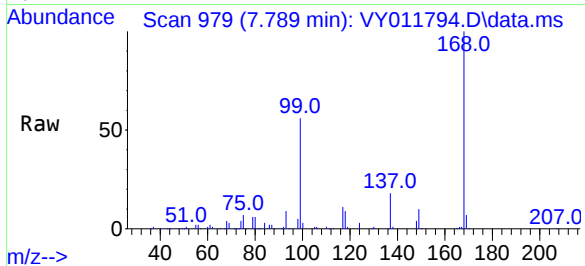




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011794.D
Acq: 13 Dec 2022 15:25

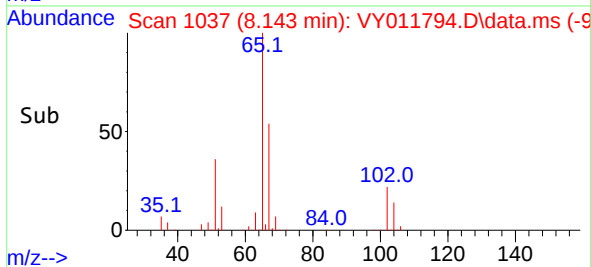
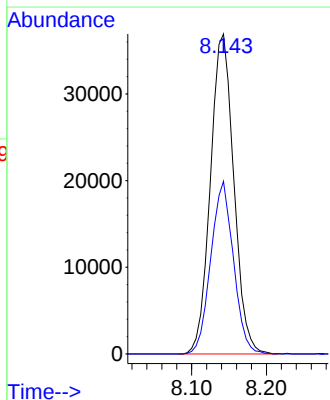
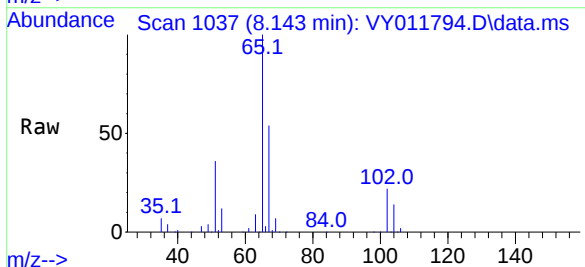
Instrument :
MSVOA_Y
ClientSampleId :
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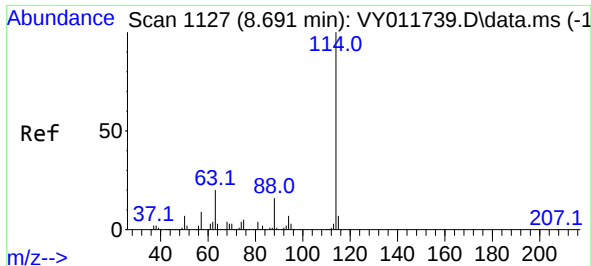
Tgt Ion: 56 Resp: 4695
Ion Ratio Lower Upper
56 100
69 145.8 29.2 43.8#
84 140.0 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 52.181 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011794.D
Acq: 13 Dec 2022 15:25

Tgt Ion: 65 Resp: 80312
Ion Ratio Lower Upper
65 100
67 52.2 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: VY011794.D

Acq: 13 Dec 2022 15:25

Instrument :

MSVOA_Y

ClientSampleId :

SU-518-COMP-01

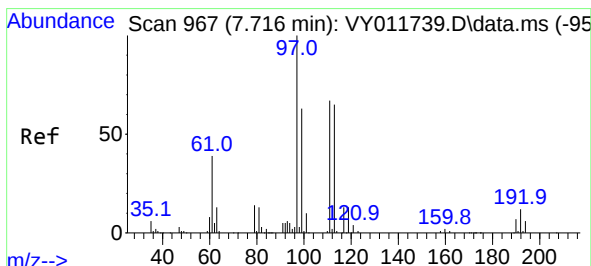
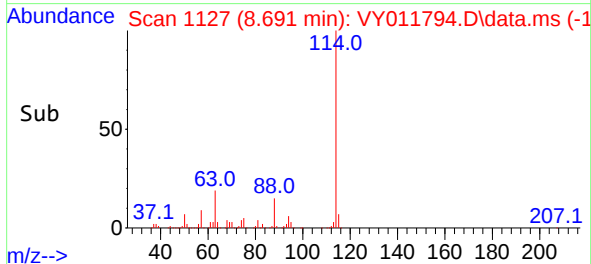
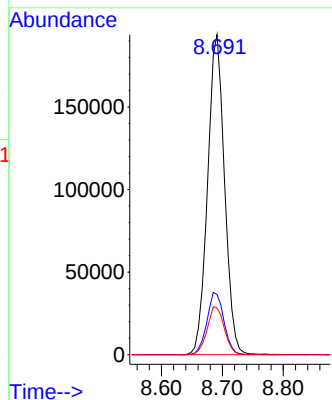
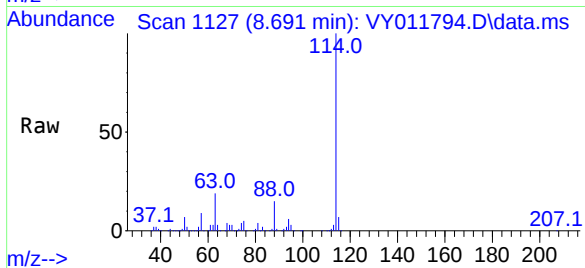
Tgt Ion:114 Resp: 374319

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

88 14.6 0.0 32.2



#35

Dibromofluoromethane

Concen: 48.944 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011794.D

Acq: 13 Dec 2022 15:25

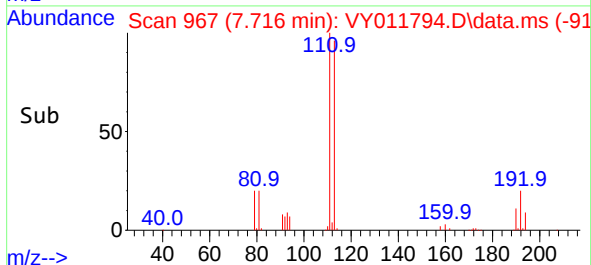
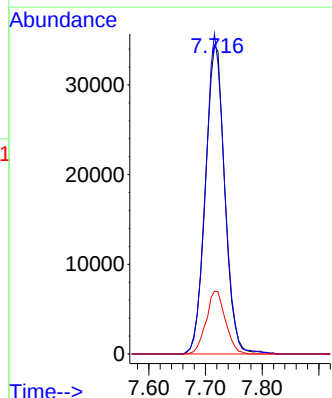
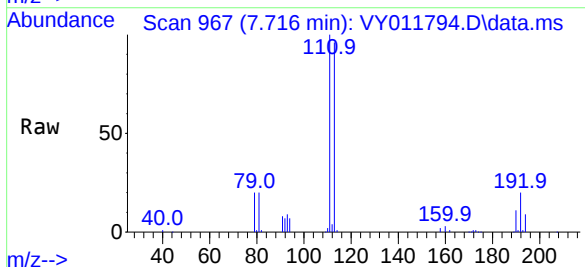
Tgt Ion:113 Resp: 81534

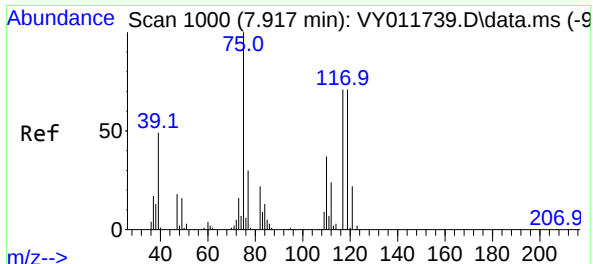
Ion Ratio Lower Upper

113 100

111 101.5 83.0 124.4

192 20.3 16.0 24.0

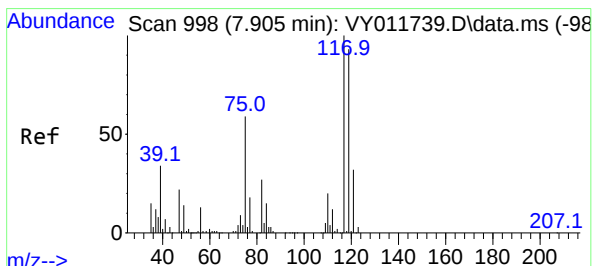
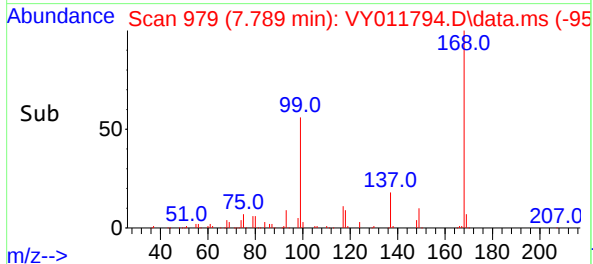
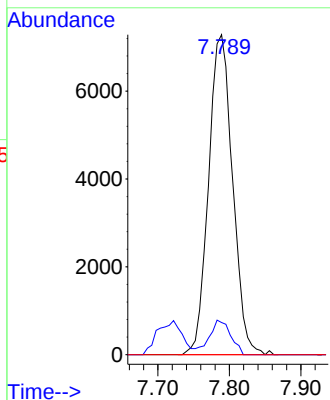
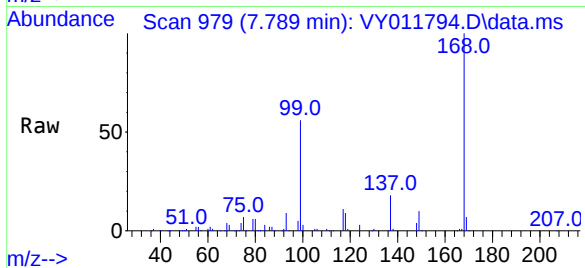




#36
1,1-Dichloropropene
Concen: 5.986 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY011794.D
Acq: 13 Dec 2022 15:25

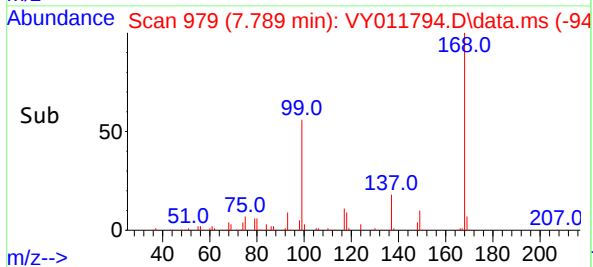
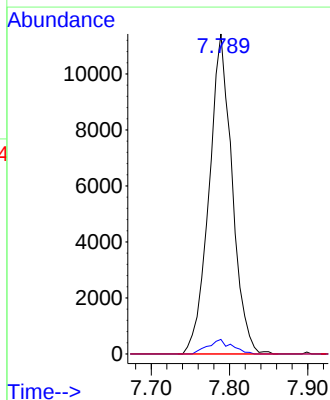
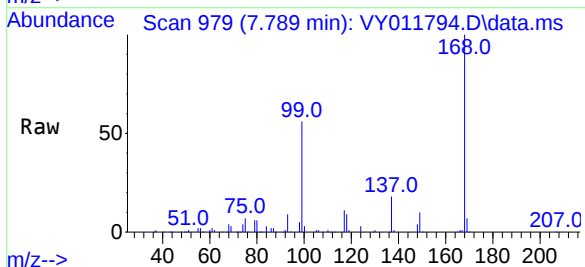
Instrument :
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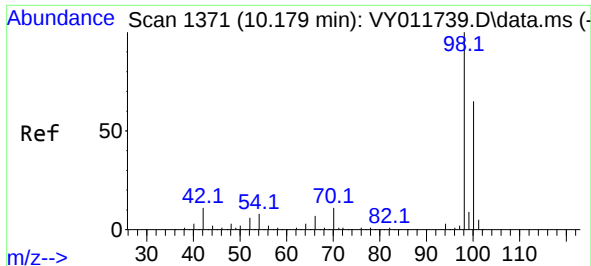
Tgt Ion: 75 Resp: 17003
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.1#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.997 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY011794.D
Acq: 13 Dec 2022 15:25

Tgt Ion: 117 Resp: 23347
Ion Ratio Lower Upper
117 100
119 4.6 73.8 110.8#
121 0.0 25.2 37.8#

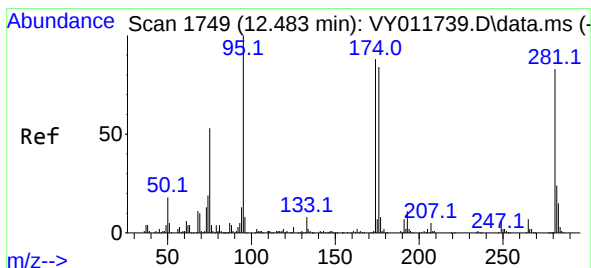
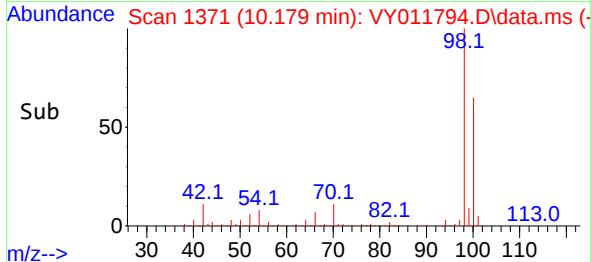
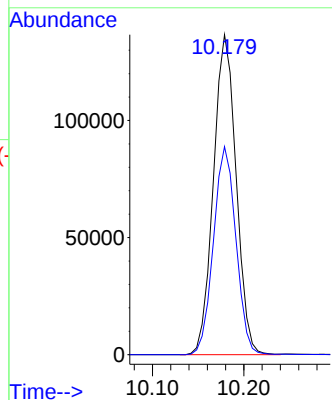
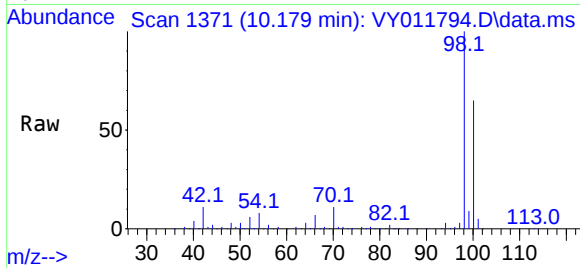




#50
Toluene-d8
Concen: 42.228 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011794.D
Acq: 13 Dec 2022 15:25

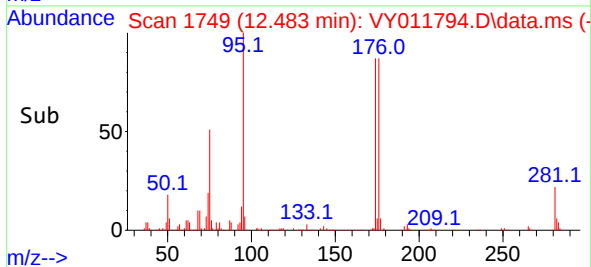
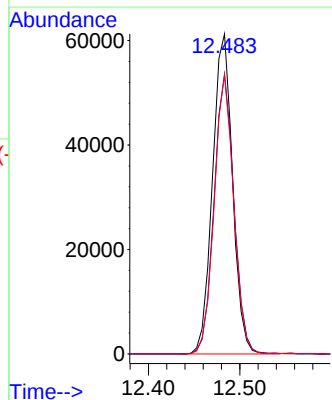
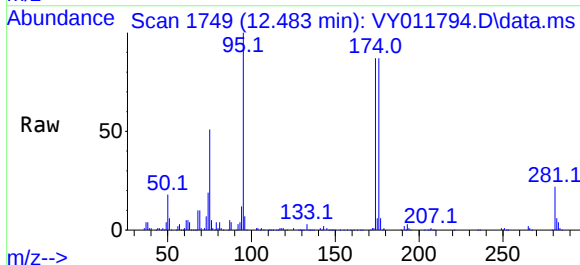
Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-01

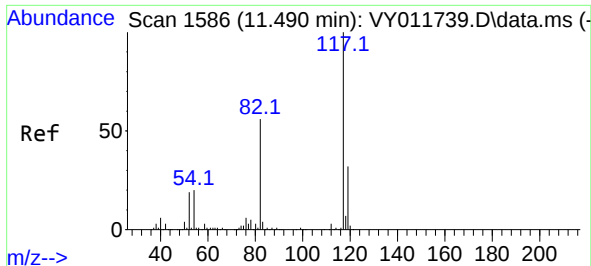
Tgt Ion: 98 Resp: 235878
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 42.164 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011794.D
Acq: 13 Dec 2022 15:25

Tgt Ion: 95 Resp: 93059
Ion Ratio Lower Upper
95 100
174 86.9 0.0 172.0
176 85.2 0.0 167.6

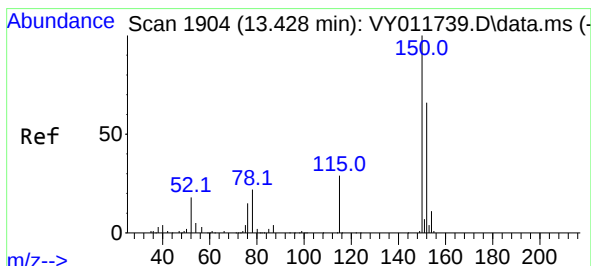
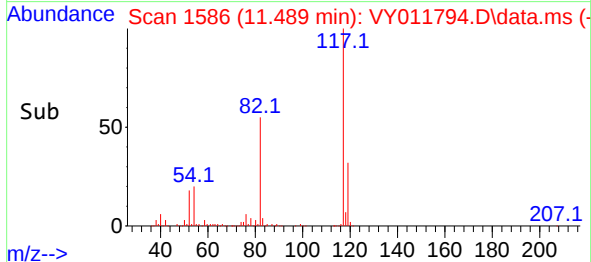
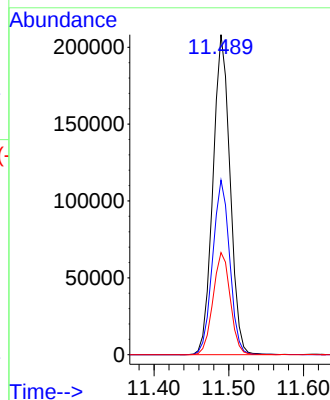
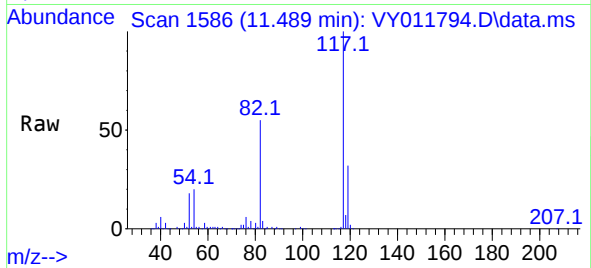




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011794.D
Acq: 13 Dec 2022 15:25

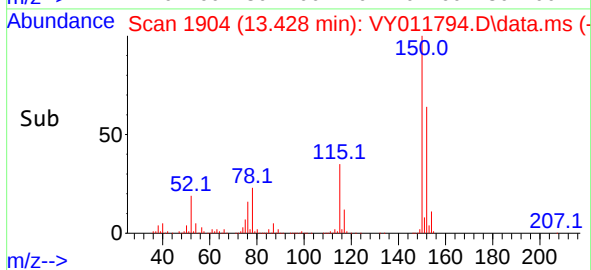
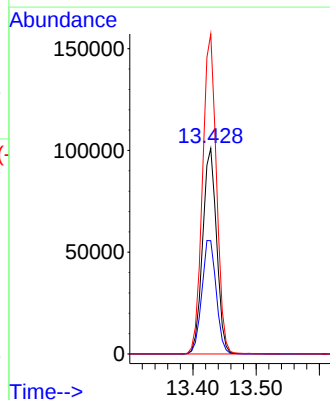
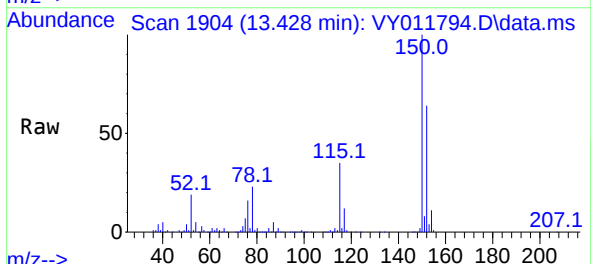
Instrument :
MSVOA_Y
ClientSampleId :
SU-518-COMP-01

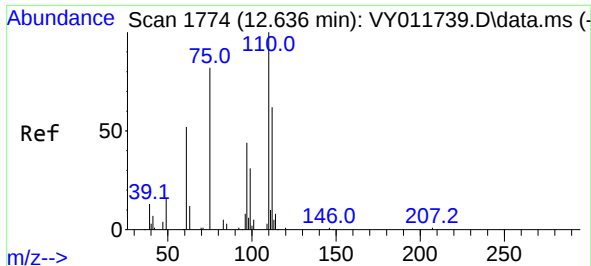
Tgt Ion:117 Resp: 330819
Ion Ratio Lower Upper
117 100
82 54.5 44.8 67.2
119 31.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011794.D
Acq: 13 Dec 2022 15:25

Tgt Ion:152 Resp: 155570
Ion Ratio Lower Upper
152 100
115 56.8 29.1 87.3
150 155.5 0.0 342.6

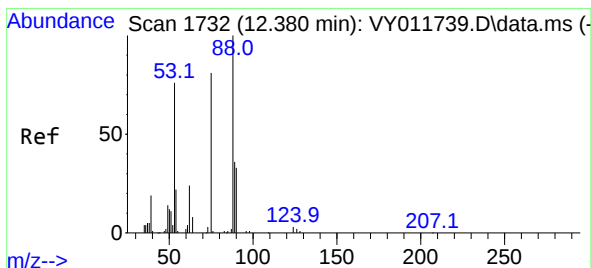
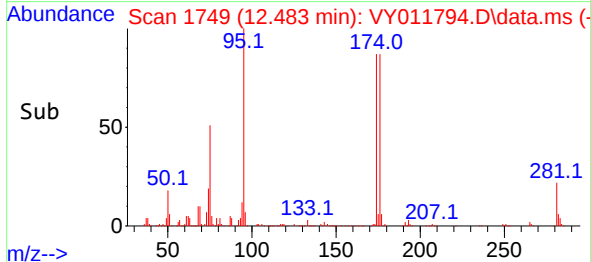
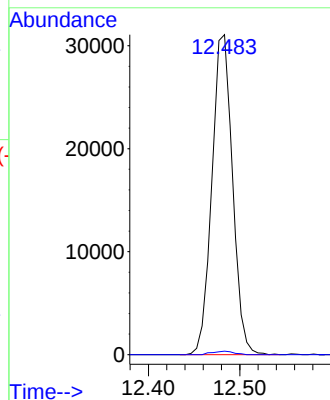
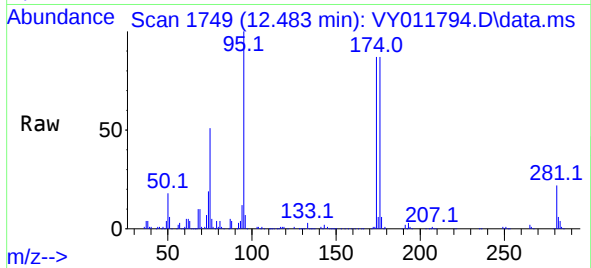




#76
1,2,3-Trichloropropane
Concen: 30.968 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011794.D
Acq: 13 Dec 2022 15:25

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

Tgt Ion: 75 Resp: 48743
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.273 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011794.D
Acq: 13 Dec 2022 15:25

Tgt Ion: 75 Resp: 48743
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.3 37.0 55.4#

