

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120122\
 Data File : VY011655.D
 Acq On : 01 Dec 2022 12:21
 Operator : KP/MD
 Sample : VY1201SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1201SBL01

Quant Time: Dec 02 03:18:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

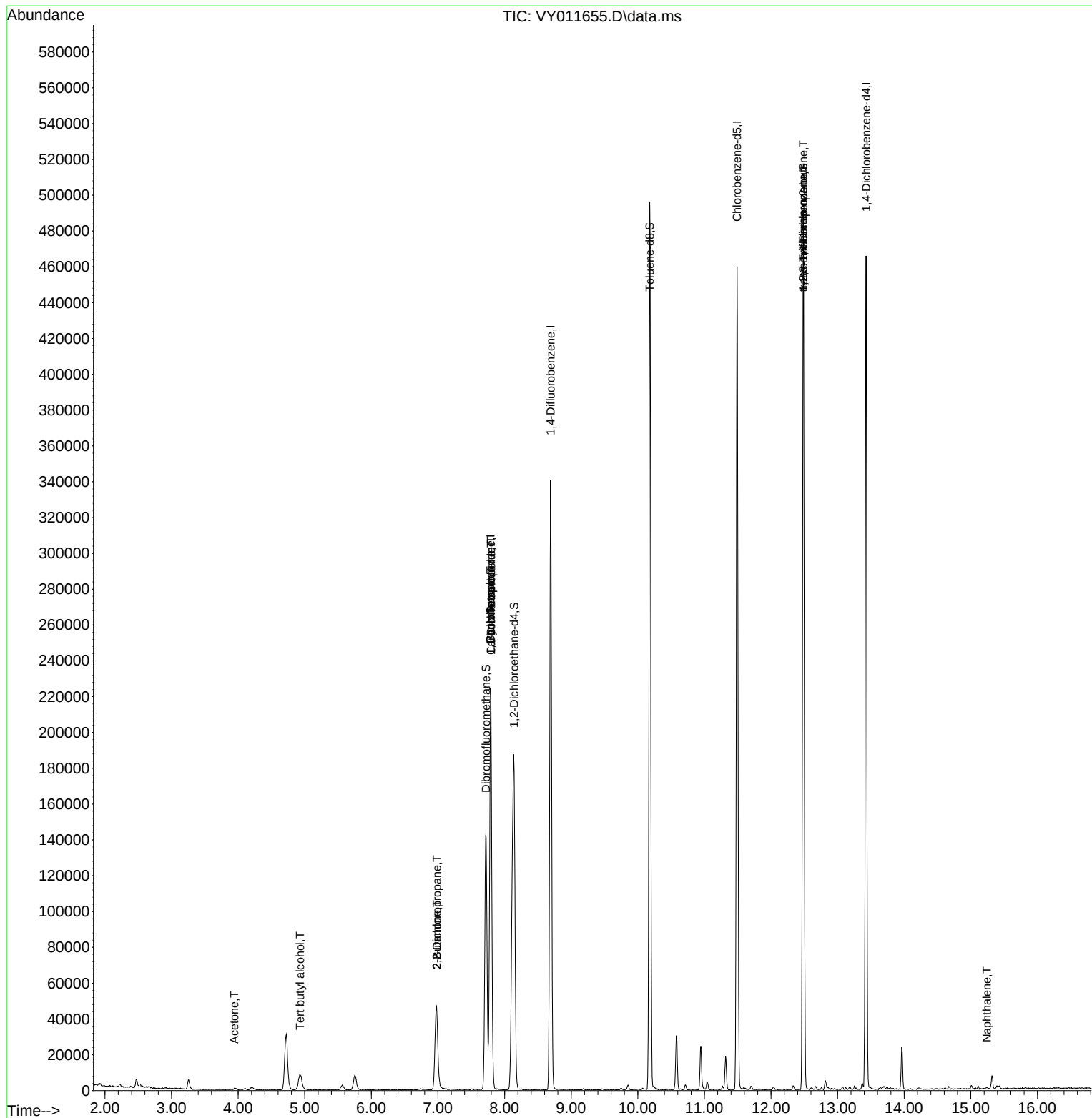
Internal Standards						
1) Pentafluorobenzene	7.789	168	168087	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	284377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	250894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	117666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	107095	62.748	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	125.500%
35) Dibromofluoromethane	7.722	113	101230	57.826	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.660%
50) Toluene-d8	10.179	98	328441	51.629	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.260%
62) 4-Bromofluorobenzene	12.483	95	118981	50.586	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.180%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	639	Below Cal		88
3) Chloromethane	2.119	50	316	Below Cal	#	86
5) Bromomethane	2.662	94	363	Below Cal		99
11) Tert butyl alcohol	4.930	59	8963	21.049	ug/l #	78
16) Acetone	3.942	43	1420	2.561	ug/l	93
18) Methyl Acetate	4.680	43	53	Below Cal	#	56
25) 2-Butanone	6.984	43	2698	3.703	ug/l #	73
26) 2,2-Dichloropropane	6.984	77	3473	1.132	ug/l #	55
31) Cyclohexane	7.789	56	3872	1.369	ug/l #	21
36) 1,1-Dichloropropene	7.795	75	13647	4.987	ug/l #	51
38) Carbon Tetrachloride	7.795	117	17435	5.695	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	63942	50.460	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	63942	110.524	ug/l #	8
95) Naphthalene	15.239	128	1098	4.262	ug/l #	82

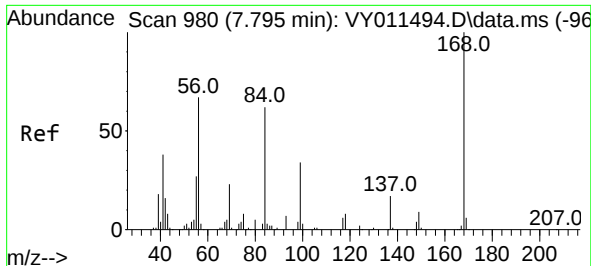
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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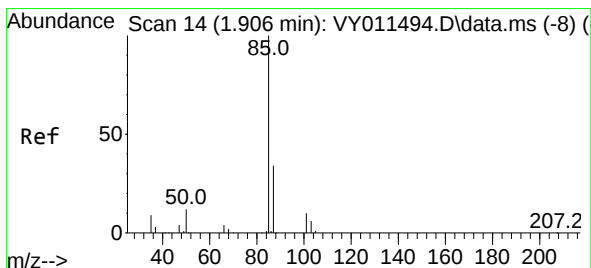
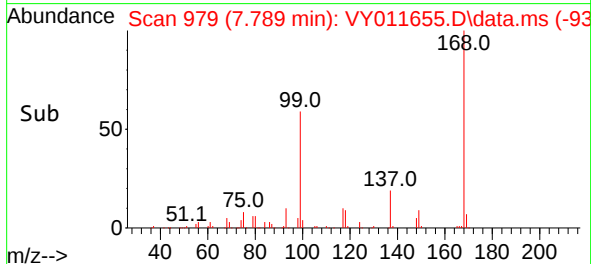
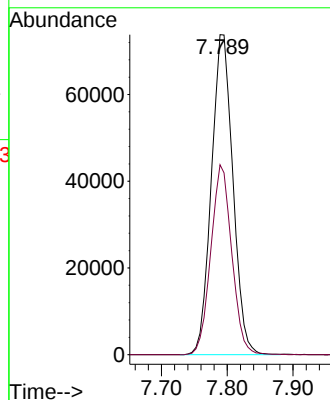
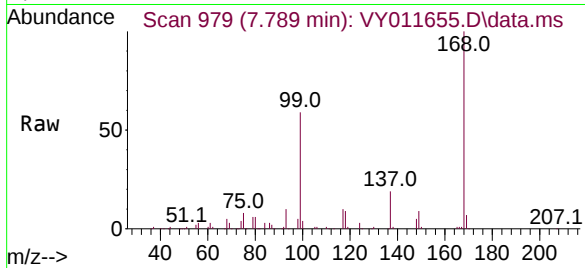




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011655.D
Acq: 01 Dec 2022 12:21

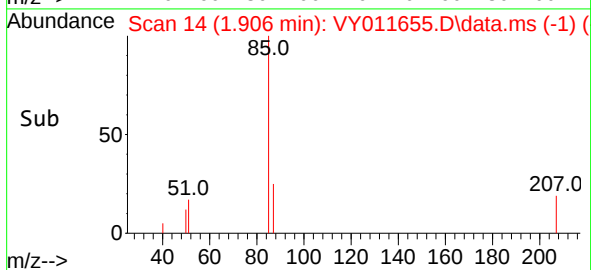
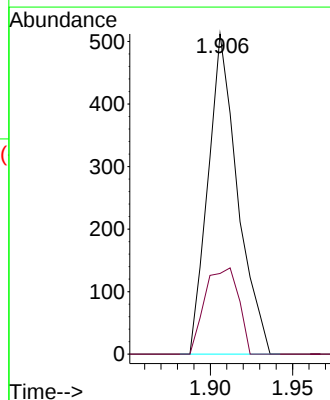
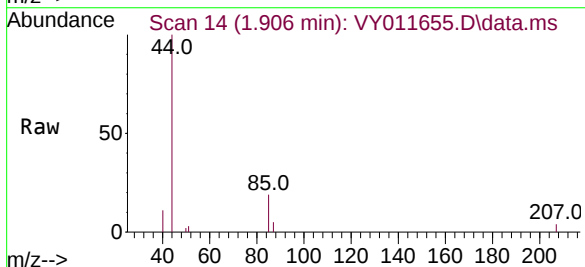
Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

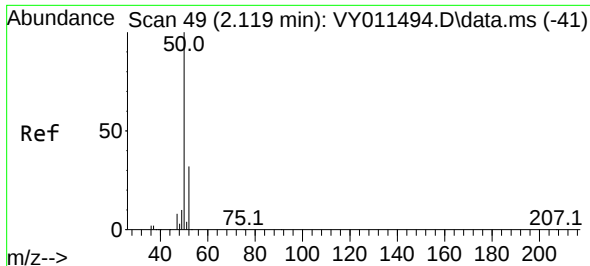
Tgt Ion:168 Resp: 168087
Ion Ratio Lower Upper
168 100
99 59.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011655.D
Acq: 01 Dec 2022 12:21

Tgt Ion: 85 Resp: 639
Ion Ratio Lower Upper
85 100
87 25.2 16.1 48.2

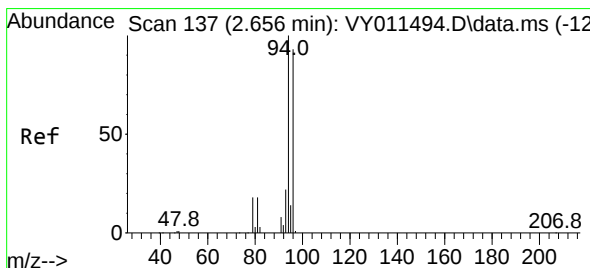
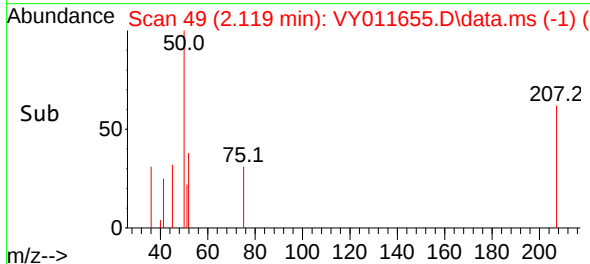
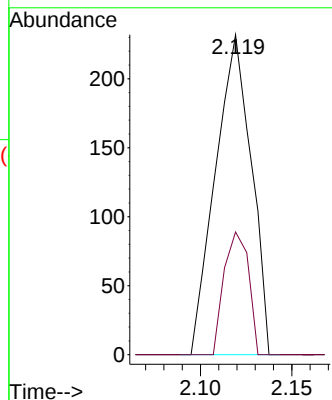
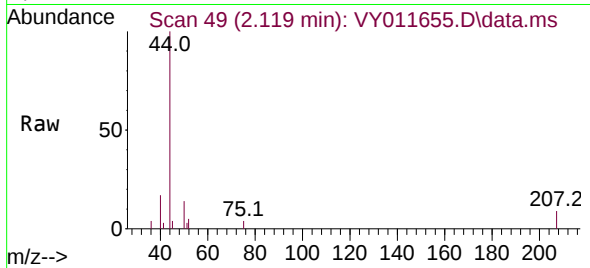




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011655.D
Acq: 01 Dec 2022 12:21

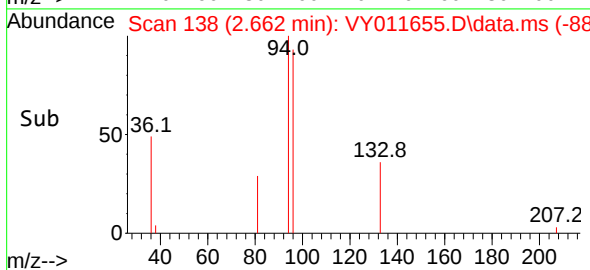
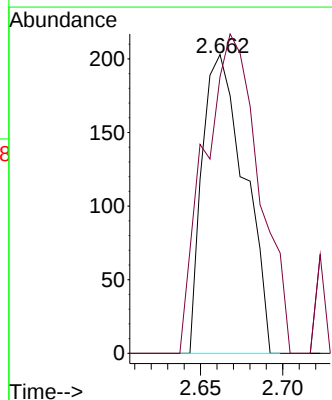
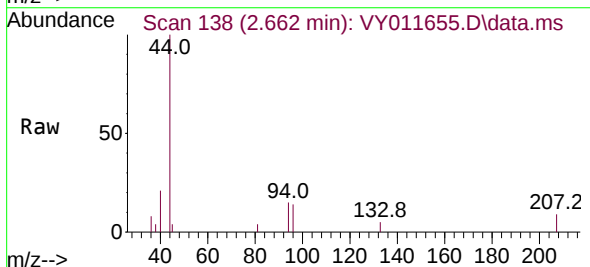
Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

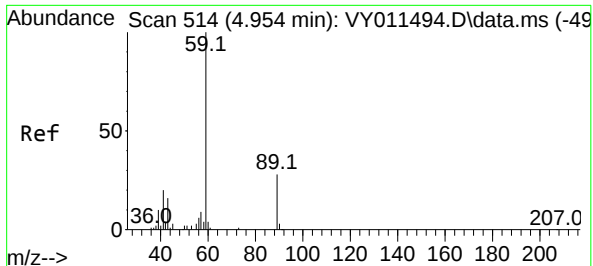
Tgt Ion: 50 Resp: 316
Ion Ratio Lower Upper
50 100
52 38.4 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY011655.D
Acq: 01 Dec 2022 12:21

Tgt Ion: 94 Resp: 363
Ion Ratio Lower Upper
94 100
96 92.6 73.5 110.3





#11

Tert butyl alcohol

Concen: 21.049 ug/l

RT: 4.930 min Scan# 51

Delta R.T. -0.024 min

Lab File: VY011655.D

Acq: 01 Dec 2022 12:21

Instrument :

MSVOA_Y

ClientSampleId :

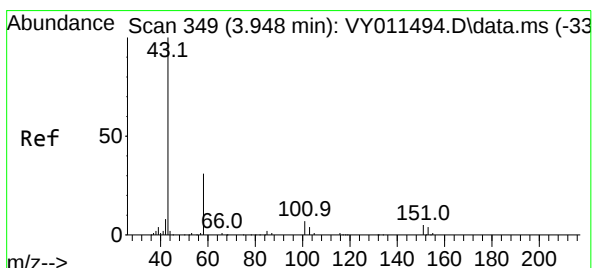
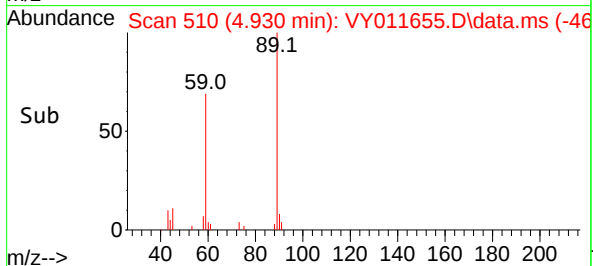
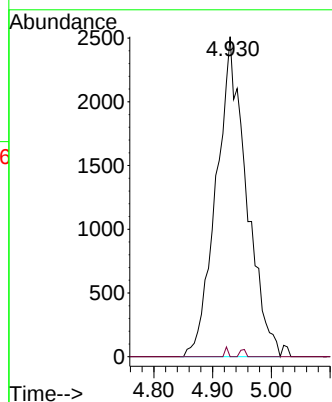
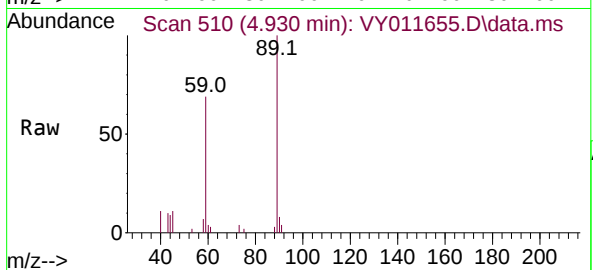
VY1201SBL01

Tgt Ion: 59 Resp: 8963

Ion Ratio Lower Upper

59 100

57 0.3 6.4 9.6#



#16

Acetone

Concen: 2.561 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.006 min

Lab File: VY011655.D

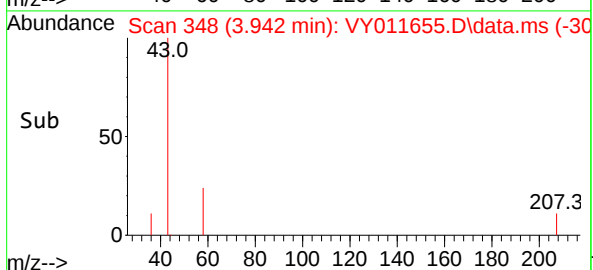
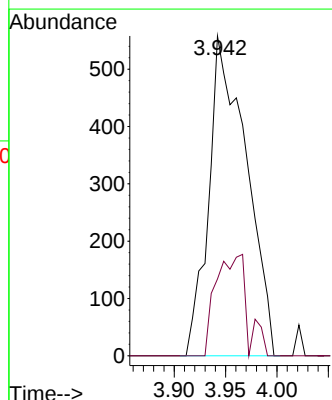
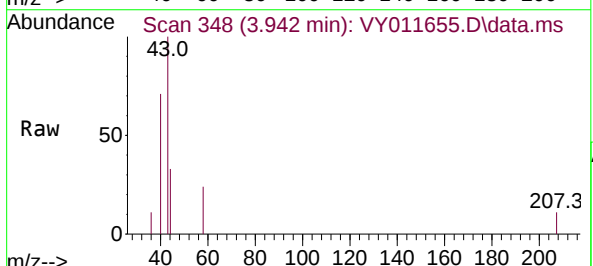
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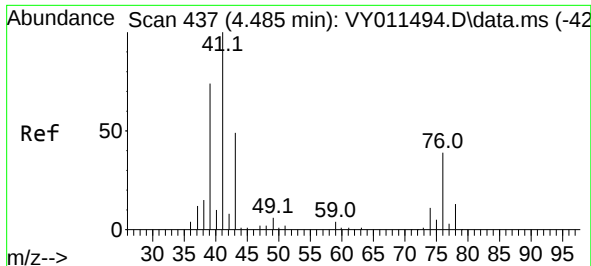
Tgt Ion: 43 Resp: 1420

Ion Ratio Lower Upper

43 100

58 24.0 22.0 33.0

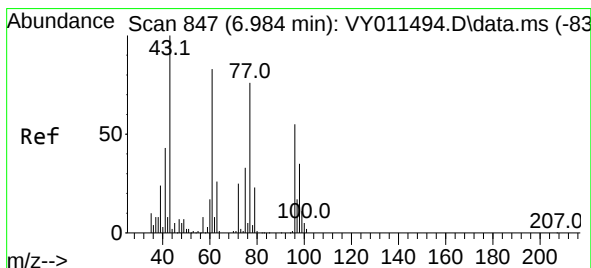
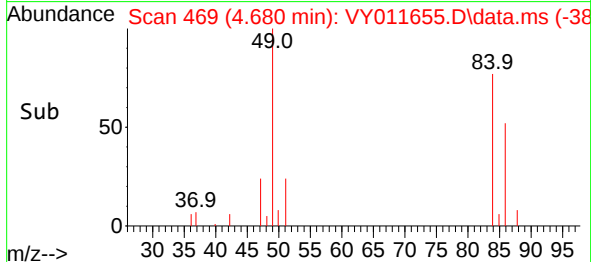
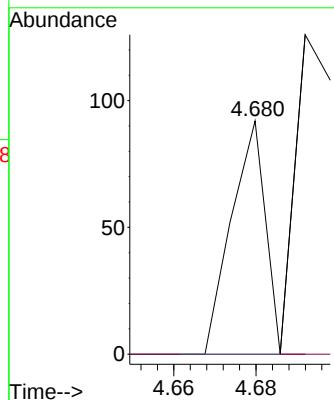
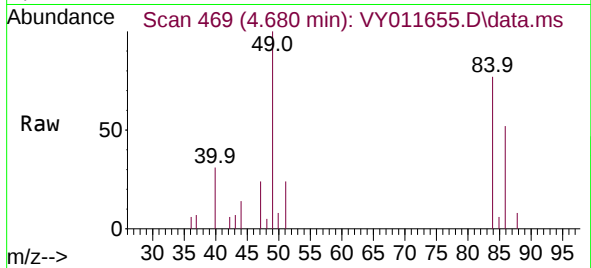




#18
Methyl Acetate
Concen: Below Cal
RT: 4.680 min Scan# 41
Delta R.T. 0.195 min
Lab File: VY011655.D
Acq: 01 Dec 2022 12:21

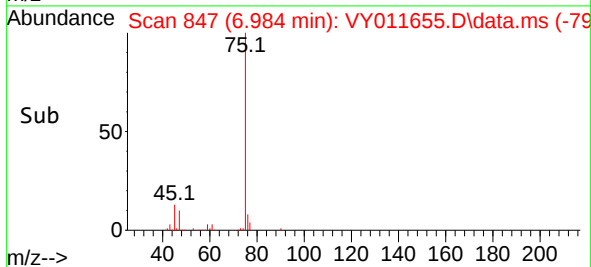
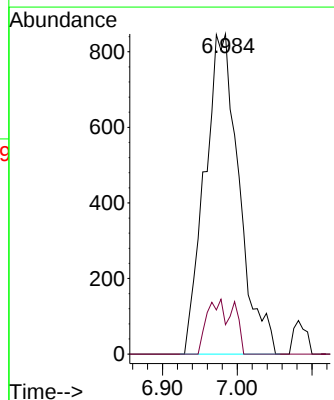
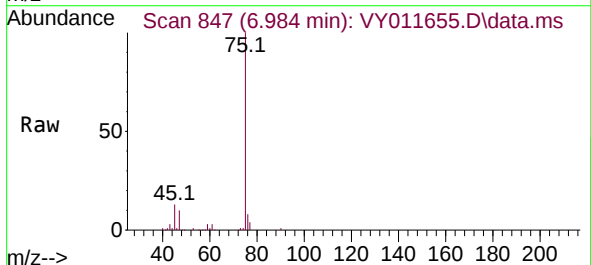
Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

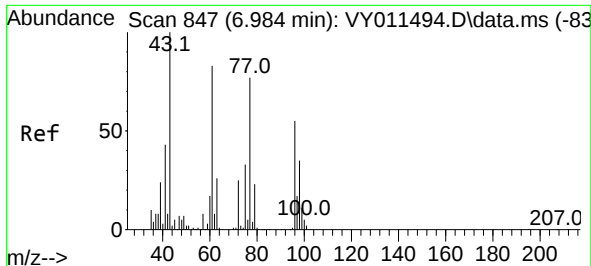
Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#25
2-Butanone
Concen: 3.703 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY011655.D
Acq: 01 Dec 2022 12:21

Tgt Ion: 43 Resp: 2698
Ion Ratio Lower Upper
43 100
72 9.2 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 1.132 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY011655.D

Acq: 01 Dec 2022 12:21

Instrument :

MSVOA_Y

ClientSampleId :

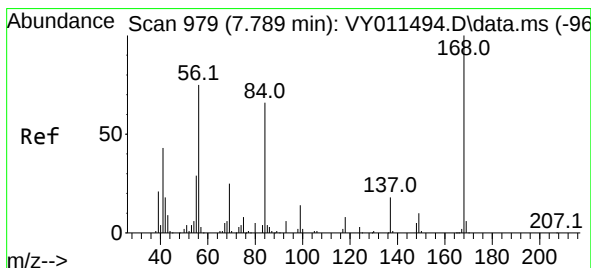
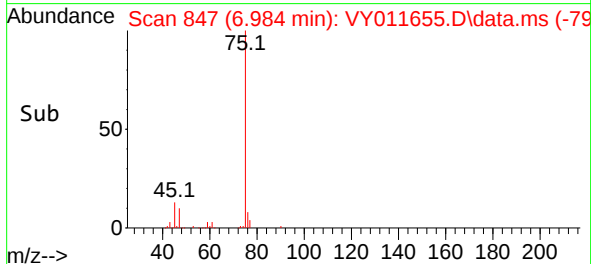
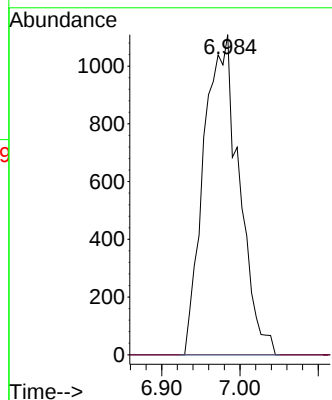
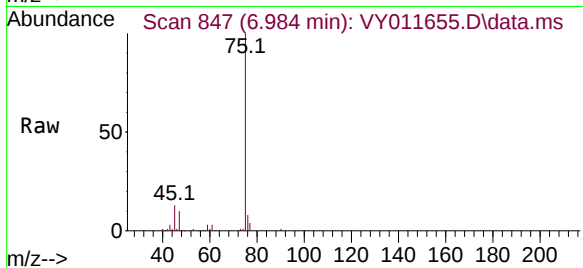
VY1201SBL01

Tgt Ion: 77 Resp: 3473

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.369 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY011655.D

Acq: 01 Dec 2022 12:21

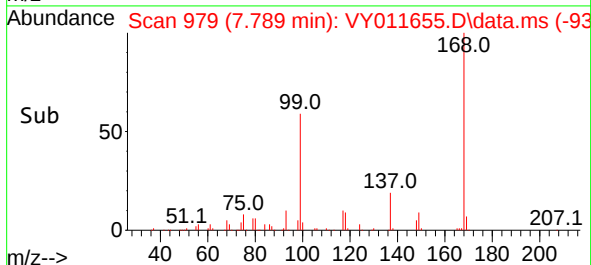
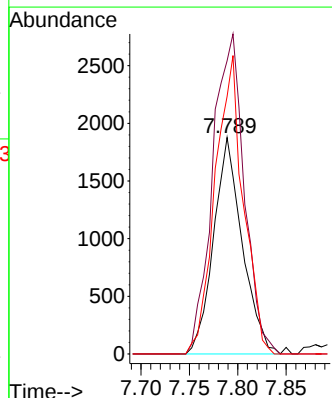
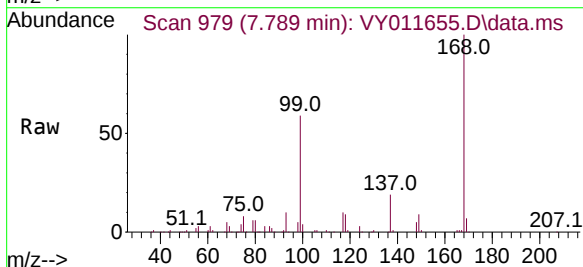
Tgt Ion: 56 Resp: 3872

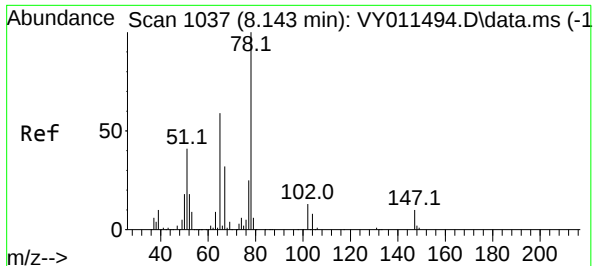
Ion Ratio Lower Upper

56 100

69 135.4 26.7 40.1#

84 119.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 62.748 ug/l

RT: 8.143 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VY011655.D

Acq: 01 Dec 2022 12:21

Instrument :

MSVOA_Y

ClientSampleId :

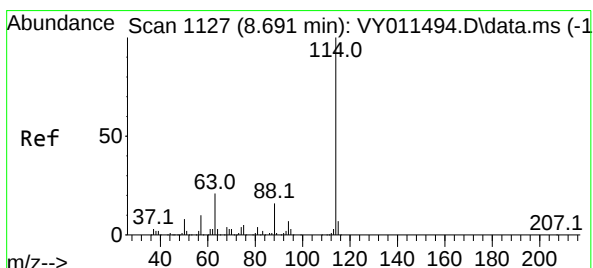
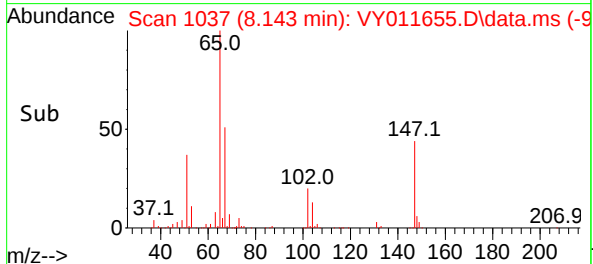
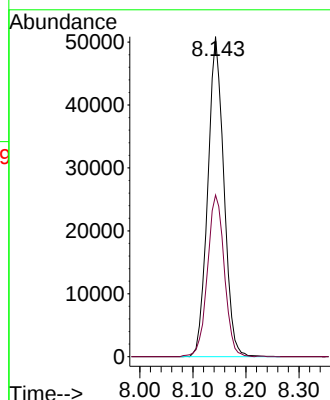
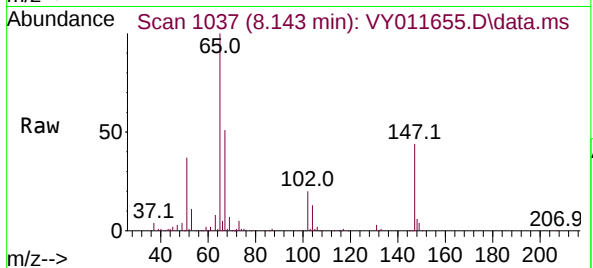
VY1201SBL01

Tgt Ion: 65 Resp: 107095

Ion Ratio Lower Upper

65 100

67 53.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011655.D

Acq: 01 Dec 2022 12:21

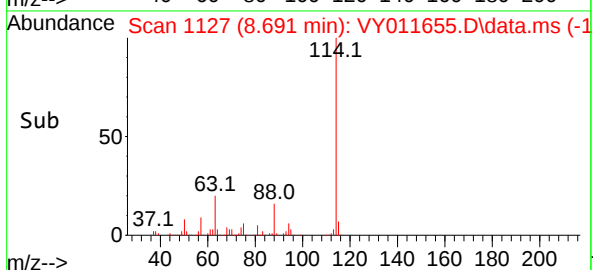
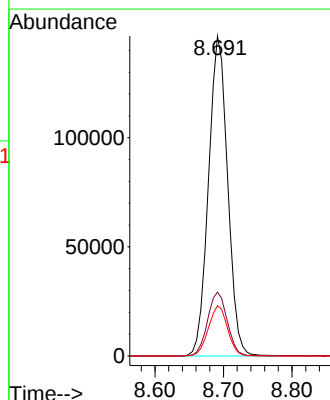
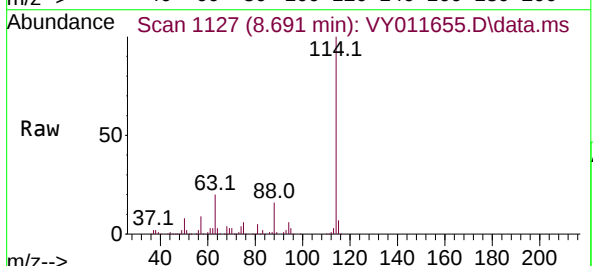
Tgt Ion: 114 Resp: 284377

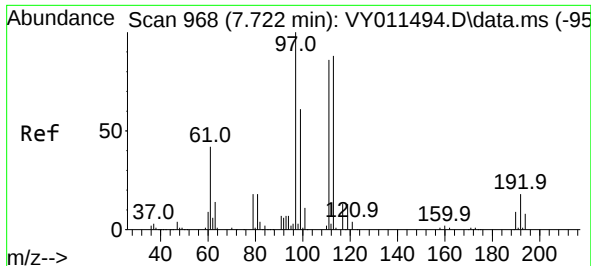
Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 15.7 0.0 31.8

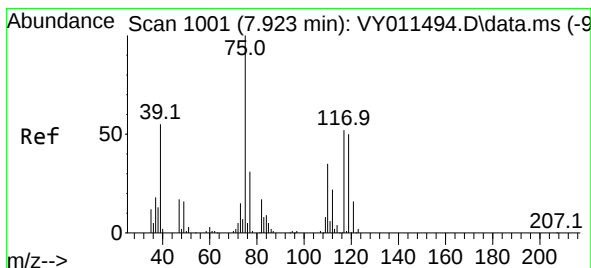
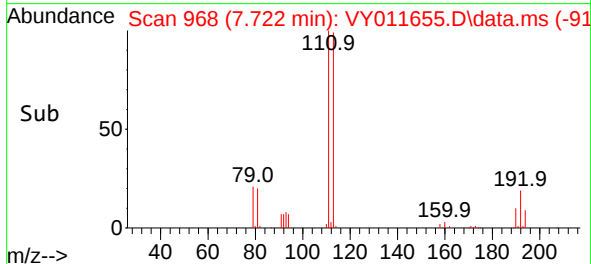
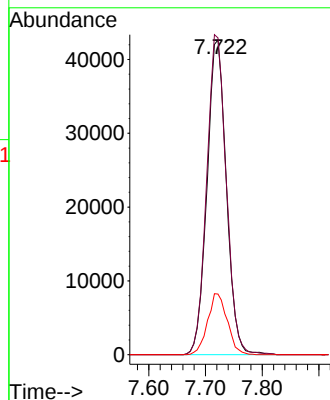
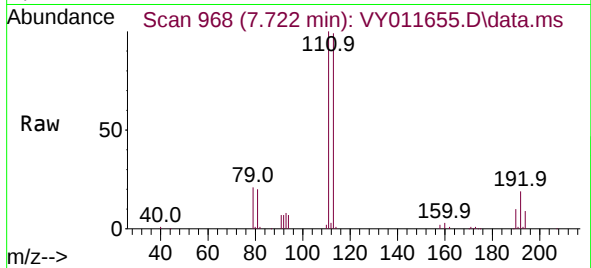




#35
Dibromofluoromethane
Concen: 57.826 ug/l
RT: 7.722 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011655.D
Acq: 01 Dec 2022 12:21

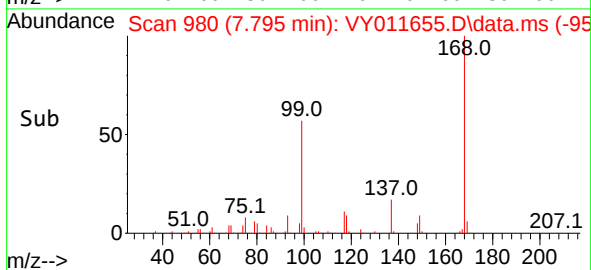
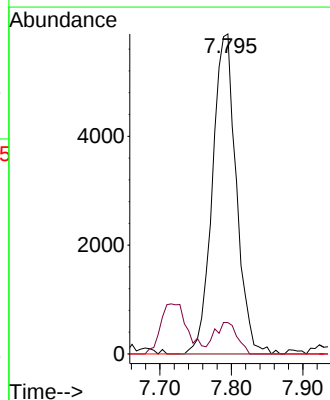
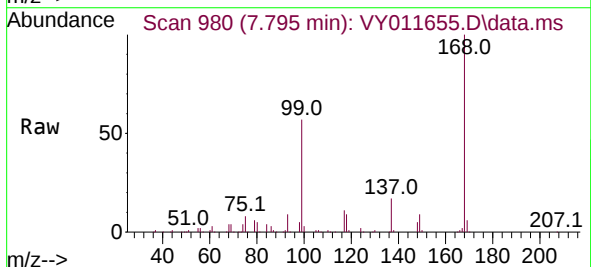
Instrument :
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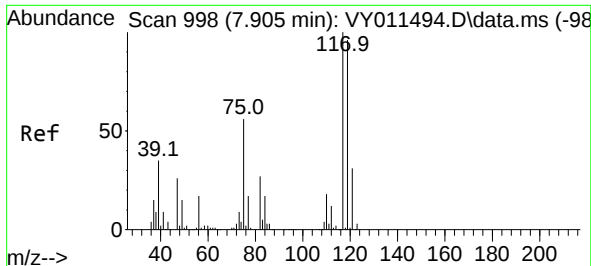
Tgt Ion:113 Resp: 101230
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 19.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.987 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY011655.D
Acq: 01 Dec 2022 12:21

Tgt Ion: 75 Resp: 13647
Ion Ratio Lower Upper
75 100
110 9.2 17.1 51.2#
77 0.0 24.4 36.6#

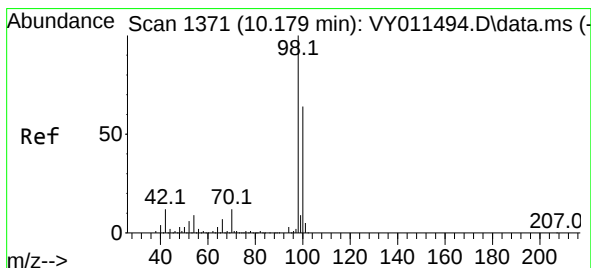
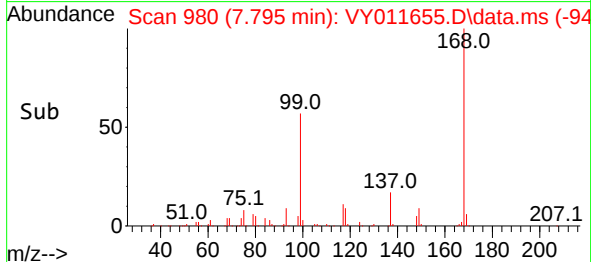
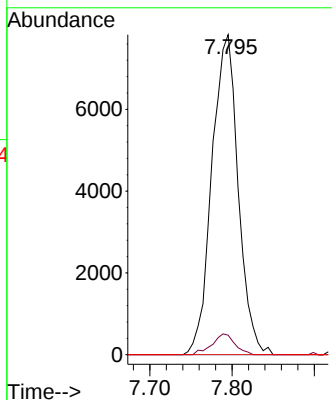
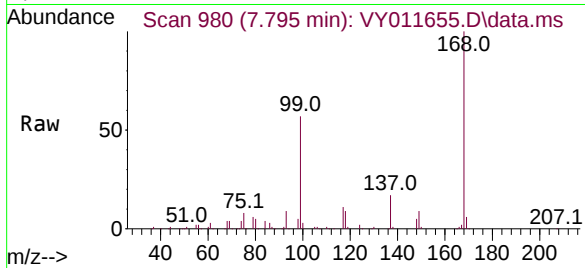




#38
Carbon Tetrachloride
Concen: 5.695 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011655.D
Acq: 01 Dec 2022 12:21

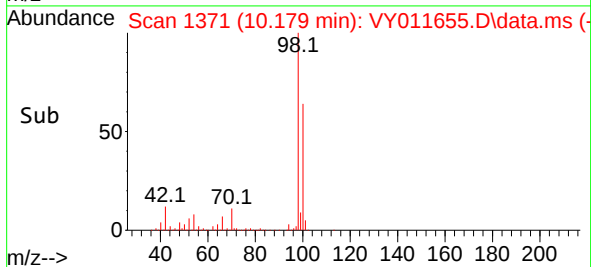
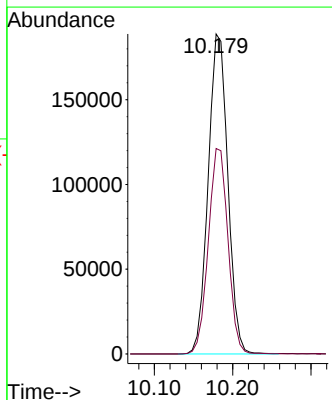
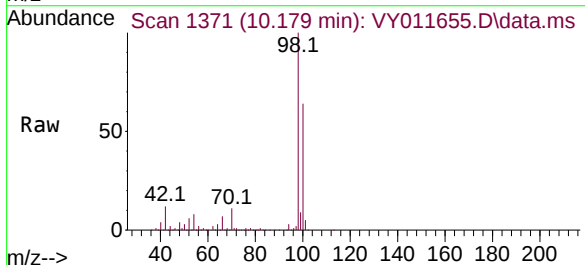
Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

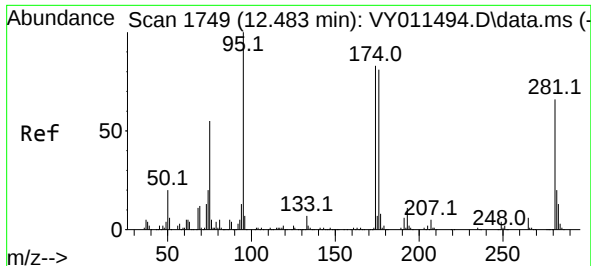
Tgt Ion:117 Resp: 17435
Ion Ratio Lower Upper
117 100
119 6.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 51.629 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011655.D
Acq: 01 Dec 2022 12:21

Tgt Ion: 98 Resp: 328441
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2

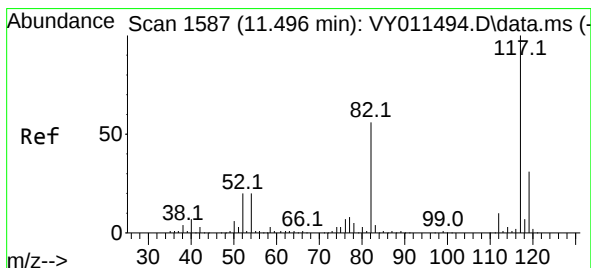
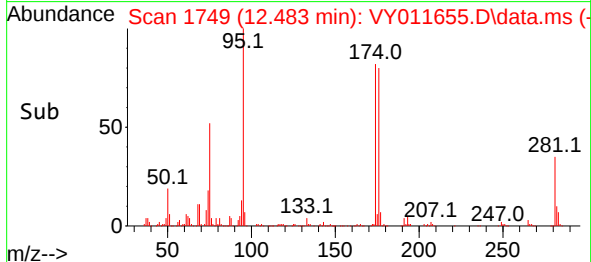
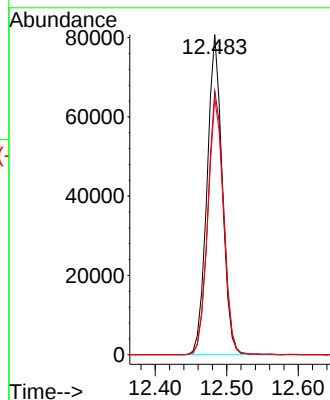
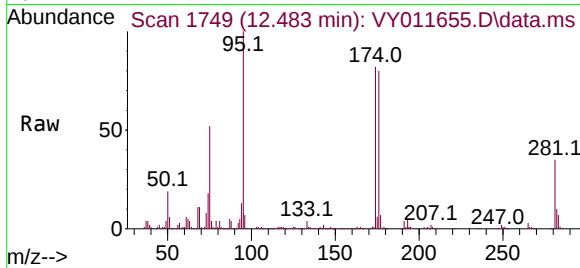




#62
4-Bromofluorobenzene
Concen: 50.586 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011655.D
Acq: 01 Dec 2022 12:21

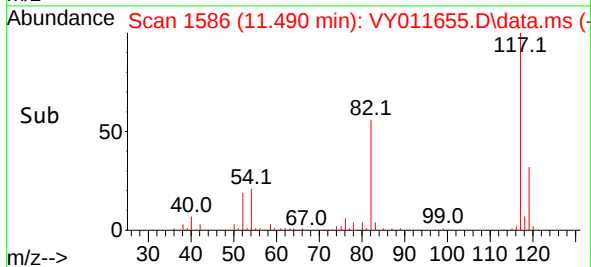
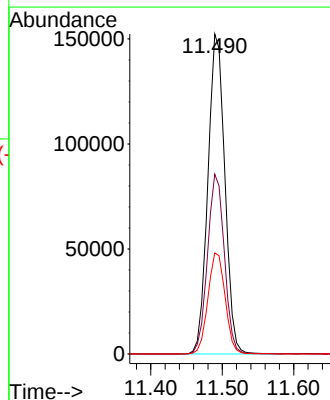
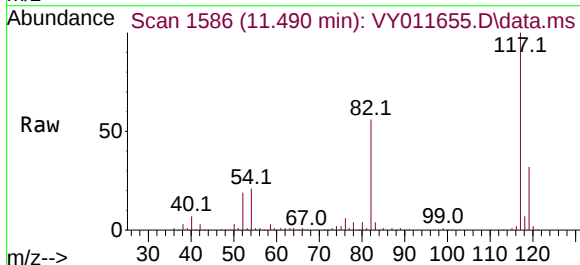
Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

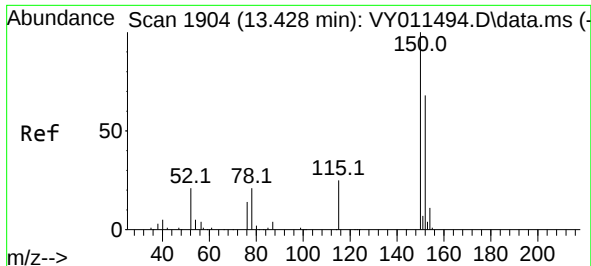
Tgt Ion: 95 Resp: 118981
Ion Ratio Lower Upper
95 100
174 85.7 0.0 177.0
176 82.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY011655.D
Acq: 01 Dec 2022 12:21

Tgt Ion: 117 Resp: 250894
Ion Ratio Lower Upper
117 100
82 56.2 43.0 64.4
119 31.6 25.4 38.0

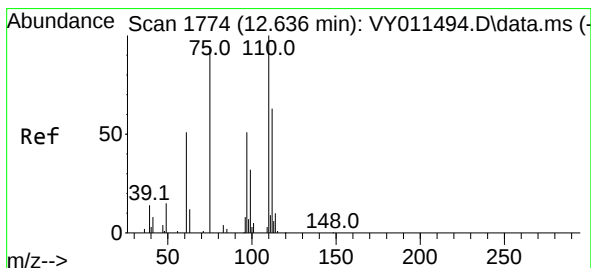
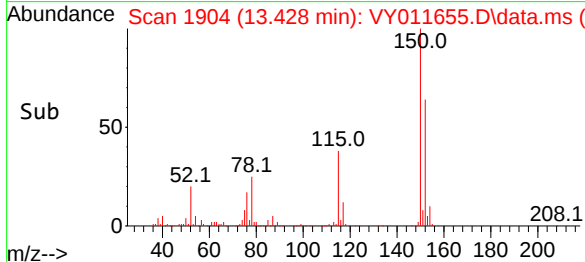
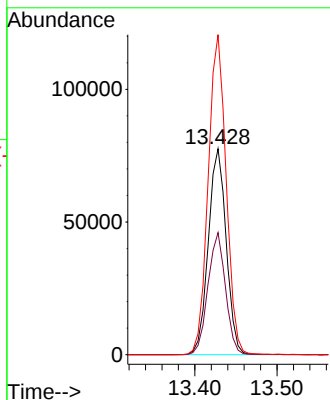
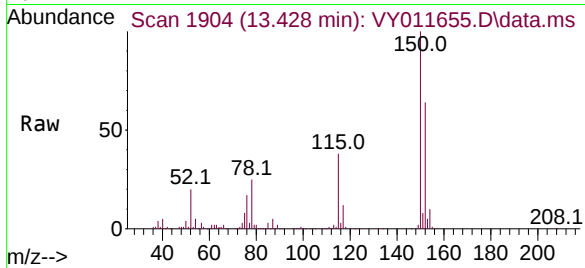




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY011655.D
 Acq: 01 Dec 2022 12:21

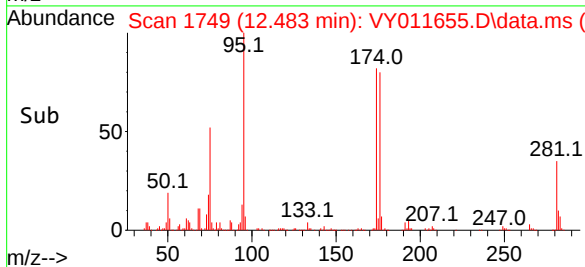
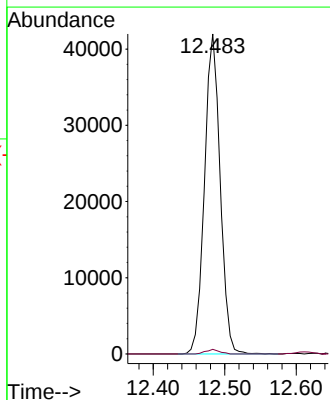
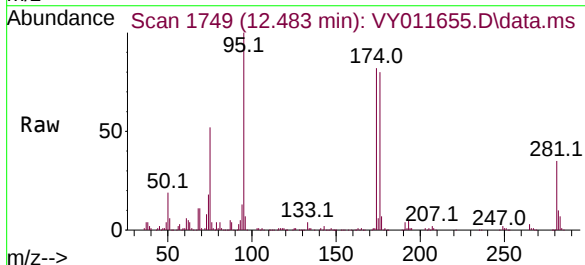
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1201SBL01

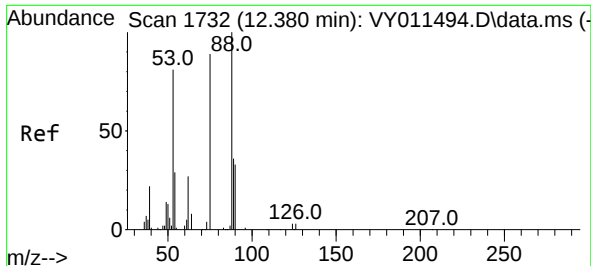
Tgt Ion:152 Resp: 117666
 Ion Ratio Lower Upper
 152 100
 115 58.3 28.2 84.7
 150 155.8 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 50.460 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY011655.D
 Acq: 01 Dec 2022 12:21

Tgt Ion: 75 Resp: 63942
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

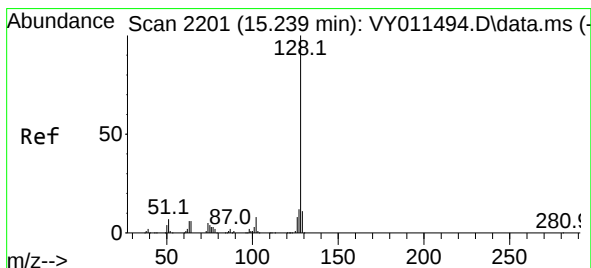
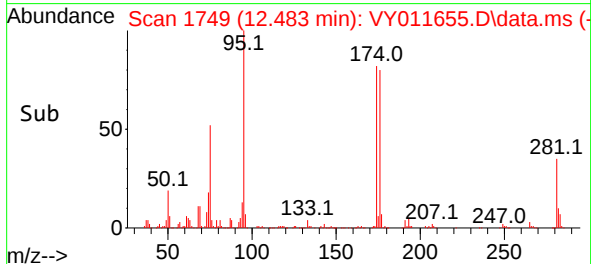
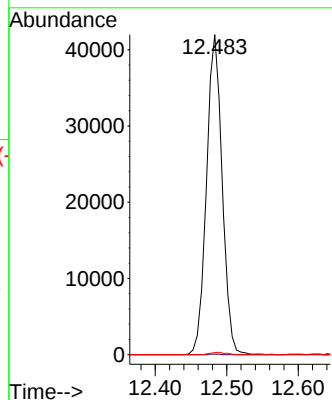
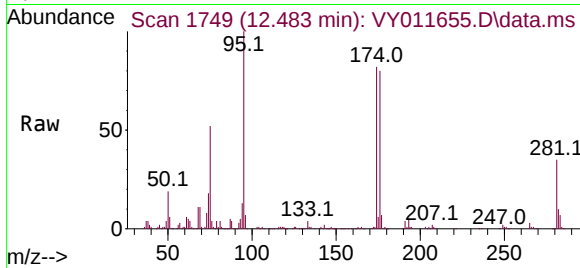




#81
trans-1,4-Dichloro-2-butene
Concen: 110.524 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011655.D
Acq: 01 Dec 2022 12:21

Instrument :
MSVOA_Y
ClientSampleId :
VY1201SBL01

Tgt Ion: 75 Resp: 63942
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.7 37.0 55.4#



#95
Naphthalene
Concen: 4.262 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011655.D
Acq: 01 Dec 2022 12:21

Tgt Ion: 128 Resp: 1098
Ion Ratio Lower Upper
128 100
127 8.2 11.0 16.4#
129 2.0 8.4 12.6#

