

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120122\
 Data File : VY011663.D
 Acq On : 01 Dec 2022 15:29
 Operator : KP/MD
 Sample : N5819-02
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S2

Quant Time: Dec 02 03:21:34 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)

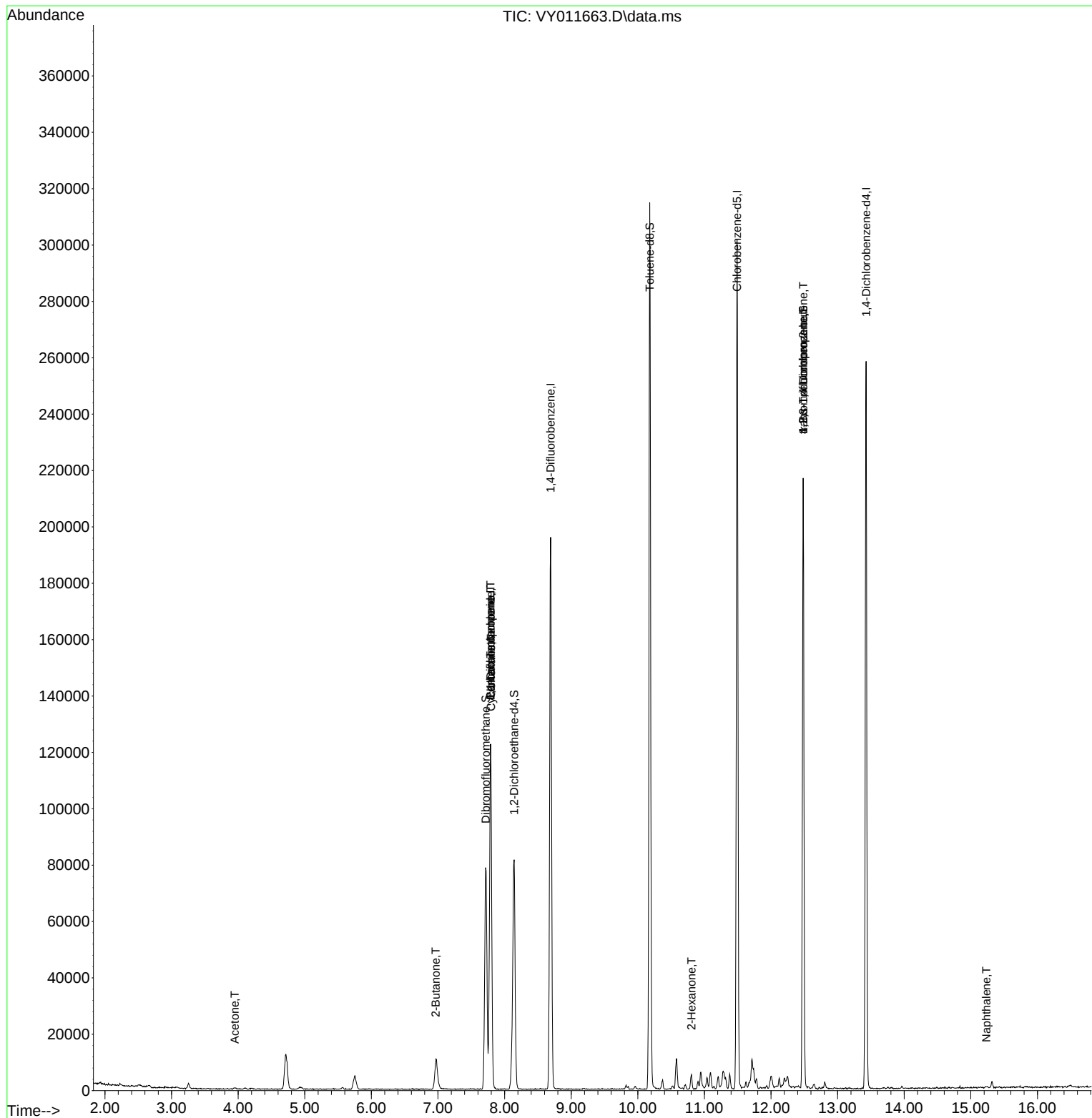
Internal Standards						
1) Pentafluorobenzene	7.789	168	93101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	166568	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	162214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	65746	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	61831	65.406	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.820%	
35) Dibromofluoromethane	7.716	113	55715	54.336	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.680%	
50) Toluene-d8	10.179	98	204092	54.773	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.540%	
62) 4-Bromofluorobenzene	12.483	95	63700	46.238	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.480%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	196	Below Cal	#	43
3) Chloromethane	2.119	50	221	Below Cal	#	44
5) Bromomethane	2.668	94	240	Below Cal	#	24
11) Tert butyl alcohol	4.917	59	437	Below Cal	#	77
16) Acetone	3.948	43	804	2.618	ug/l #	83
18) Methyl Acetate	4.503	43	93	Below Cal	#	56
20) Methylene Chloride	4.716	84	9022	Below Cal		89
25) 2-Butanone	6.966	43	588	1.457	ug/l #	54
31) Cyclohexane	7.795	56	2098	1.339	ug/l #	28
36) 1,1-Dichloropropene	7.789	75	7484	4.669	ug/l #	51
38) Carbon Tetrachloride	7.789	117	9357	5.218	ug/l #	17
59) 2-Hexanone	10.807	43	2027	3.103	ug/l #	28
76) 1,2,3-Trichloropropane	12.483	75	33908	47.890	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	33908	104.895	ug/l #	7
95) Naphthalene	15.233	128	729	4.308	ug/l #	78

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120122\
Data File : VY011663.D
Acq On : 01 Dec 2022 15:29
Operator : KP/MD
Sample : N5819-02
Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
S2

Quant Time: Dec 02 03:21:34 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

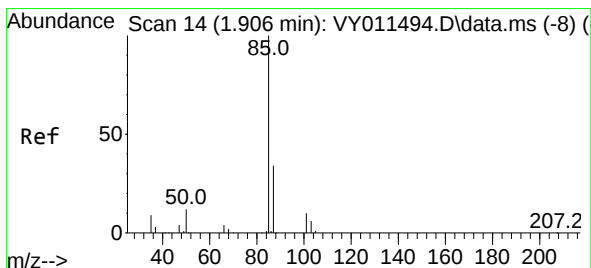
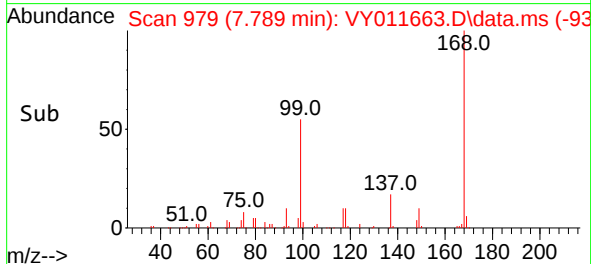
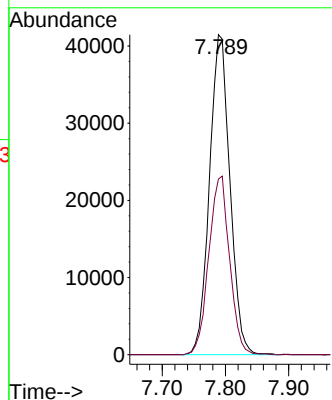
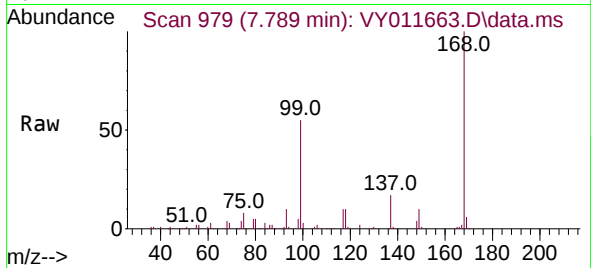




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011663.D
Acq: 01 Dec 2022 15:29

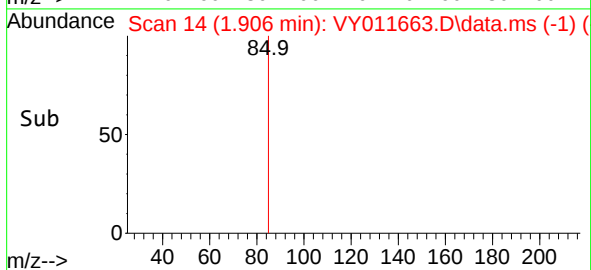
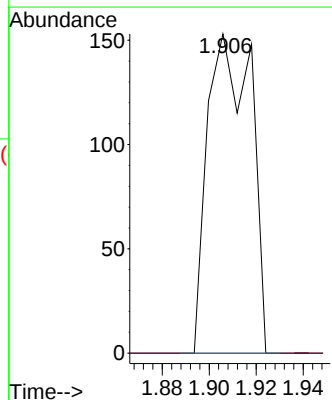
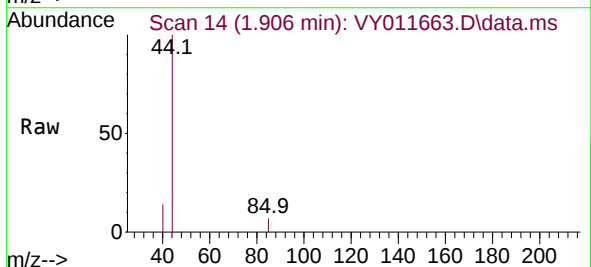
Instrument :
MSVOA_Y
ClientSampleId :
S2

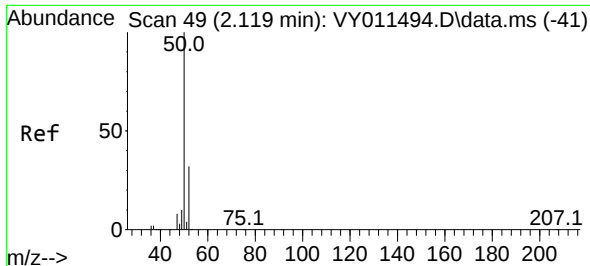
Tgt Ion:168 Resp: 93101
Ion Ratio Lower Upper
168 100
99 54.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011663.D
Acq: 01 Dec 2022 15:29

Tgt Ion: 85 Resp: 196
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

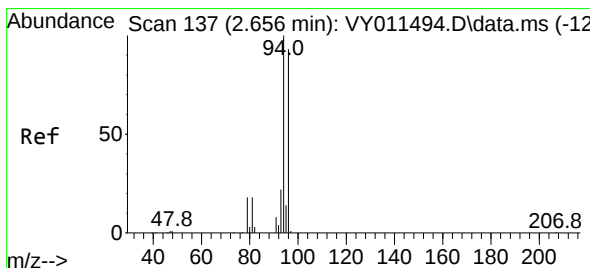
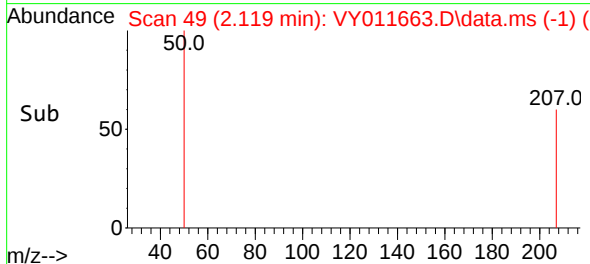
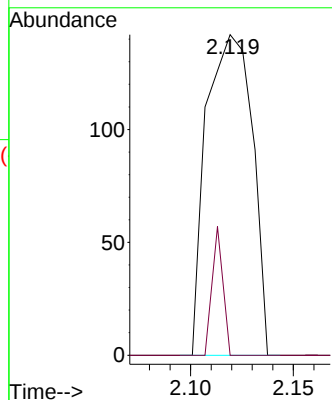
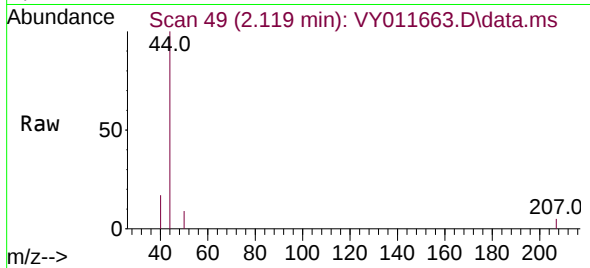




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011663.D
Acq: 01 Dec 2022 15:29

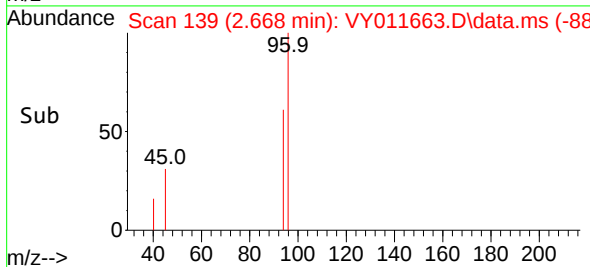
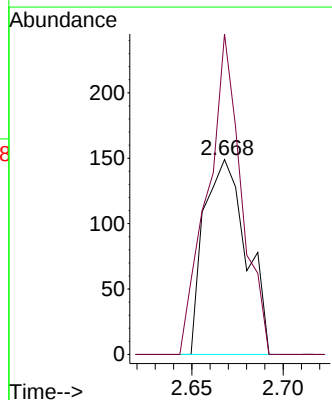
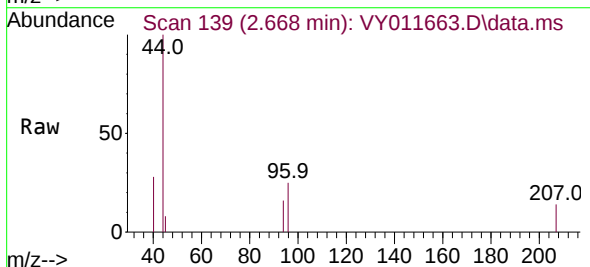
Instrument :
MSVOA_Y
ClientSampleId :
S2

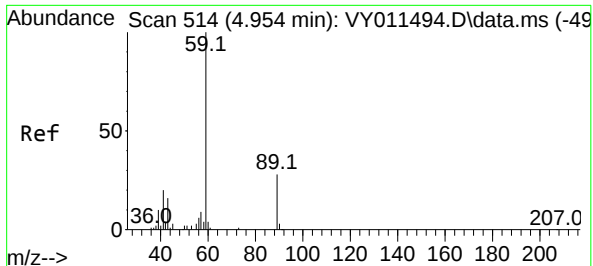
Tgt Ion: 50 Resp: 221
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY011663.D
Acq: 01 Dec 2022 15:29

Tgt Ion: 94 Resp: 240
Ion Ratio Lower Upper
94 100
96 164.4 73.5 110.3#

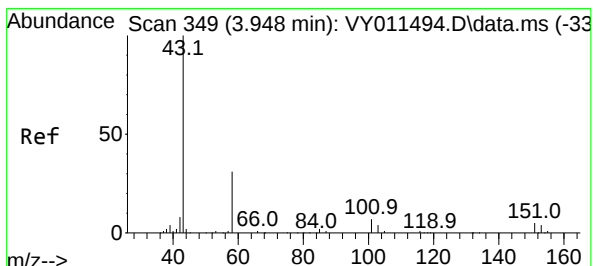
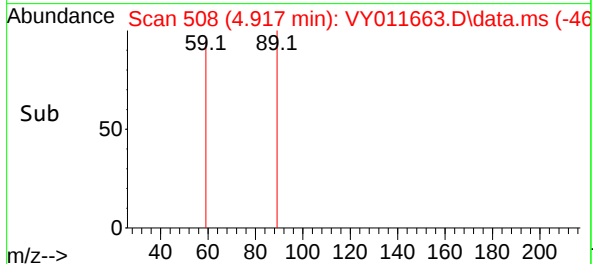
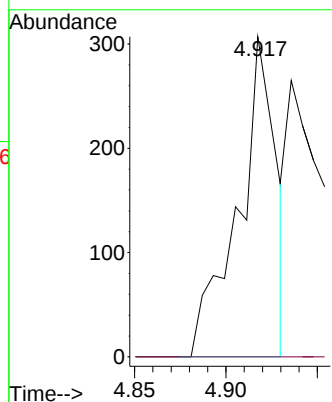
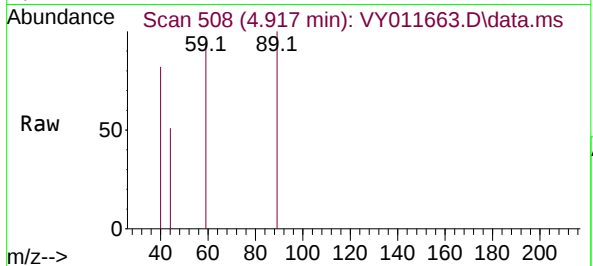




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.917 min Scan# 508
Delta R.T. -0.037 min
Lab File: VY011663.D
Acq: 01 Dec 2022 15:29

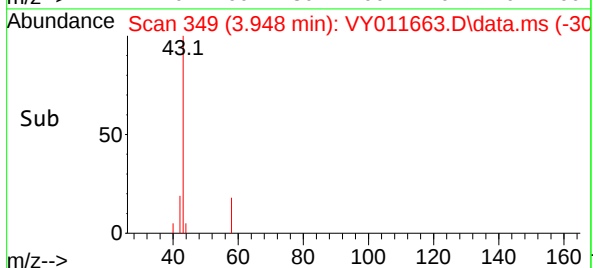
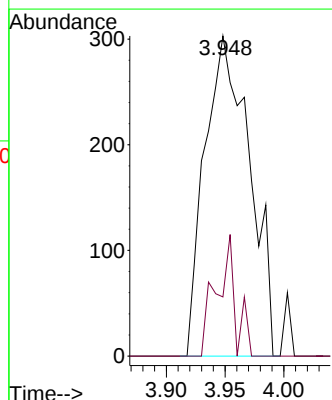
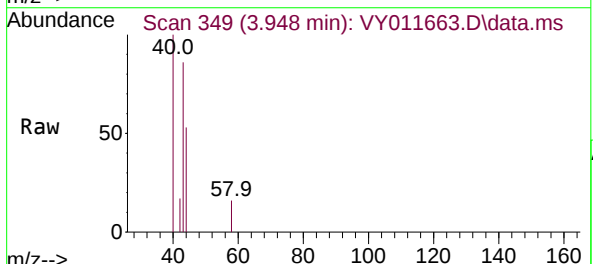
Instrument :
MSVOA_Y
ClientSampleId :
S2

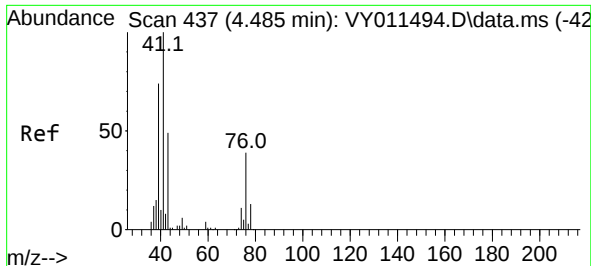
Tgt Ion: 59 Resp: 437
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 2.618 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011663.D
Acq: 01 Dec 2022 15:29

Tgt Ion: 43 Resp: 804
Ion Ratio Lower Upper
43 100
58 18.5 22.0 33.0#

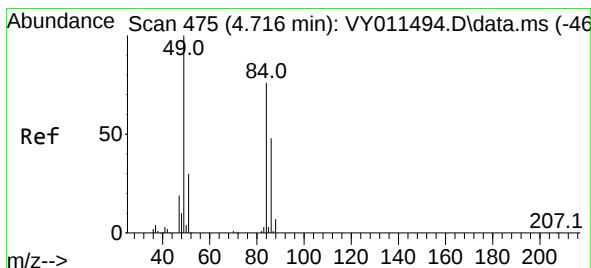
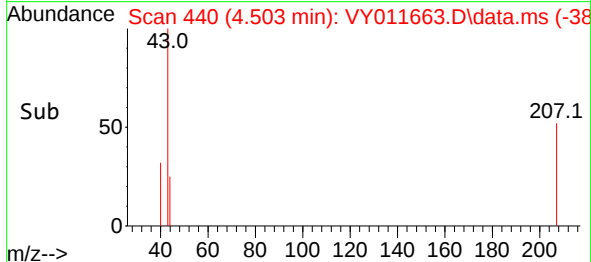
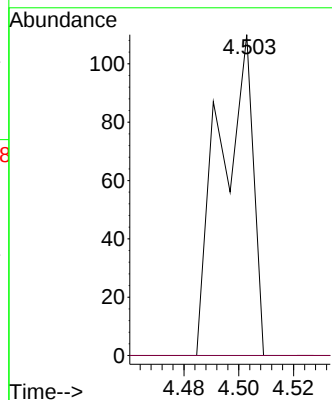
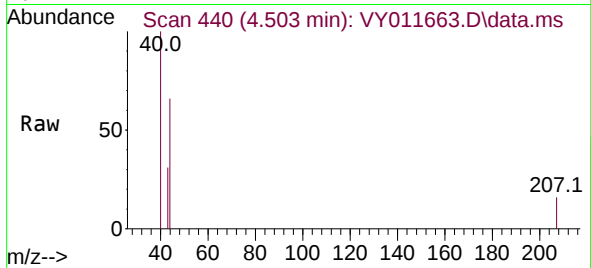




#18
Methyl Acetate
Concen: Below Cal
RT: 4.503 min Scan# 440
Delta R.T. 0.018 min
Lab File: VY011663.D
Acq: 01 Dec 2022 15:29

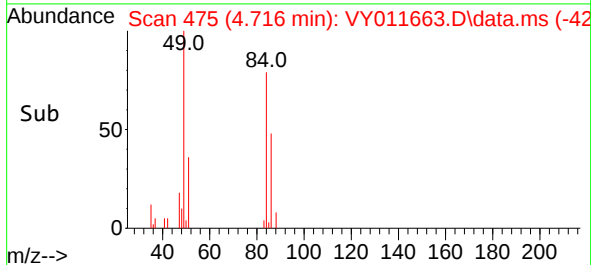
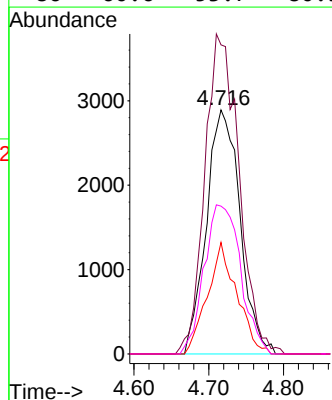
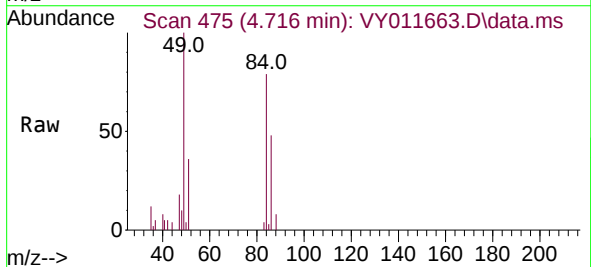
Instrument :
MSVOA_Y
ClientSampleId :
S2

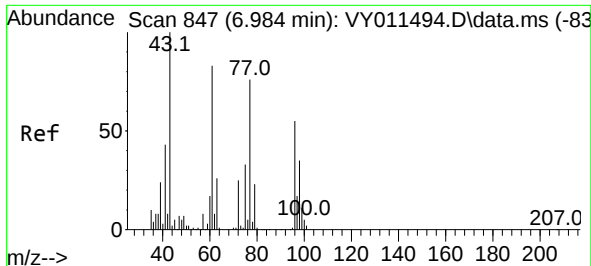
Tgt Ion: 43 Resp: 93
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011663.D
Acq: 01 Dec 2022 15:29

Tgt Ion: 84 Resp: 9022
Ion Ratio Lower Upper
84 100
49 124.5 114.4 171.6
51 45.7 35.3 52.9
86 60.6 53.7 80.5

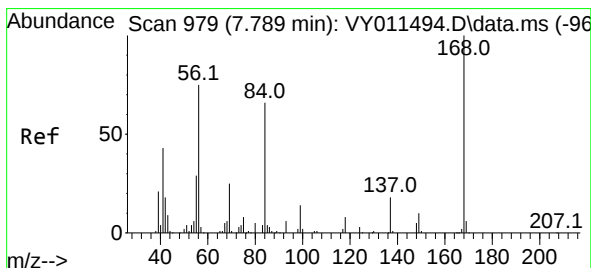
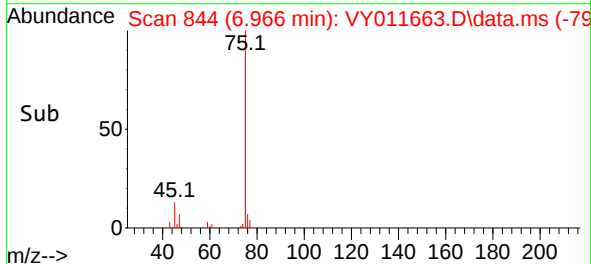
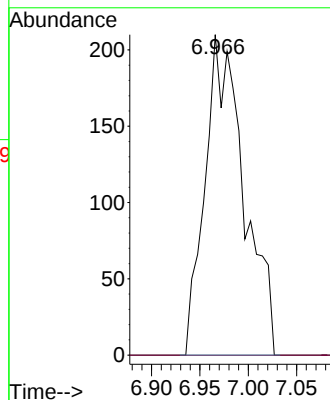
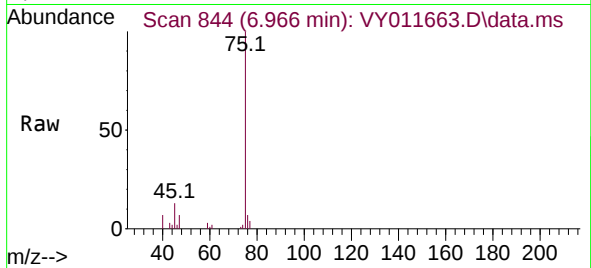




#25
2-Butanone
Concen: 1.457 ug/l
RT: 6.966 min Scan# 84
Delta R.T. -0.018 min
Lab File: VY011663.D
Acq: 01 Dec 2022 15:29

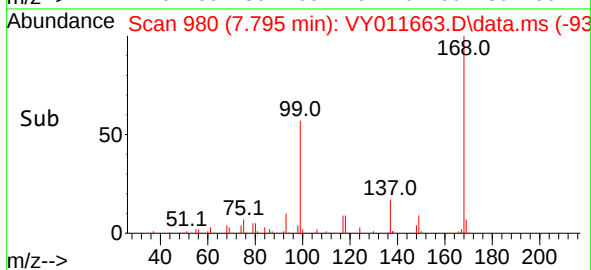
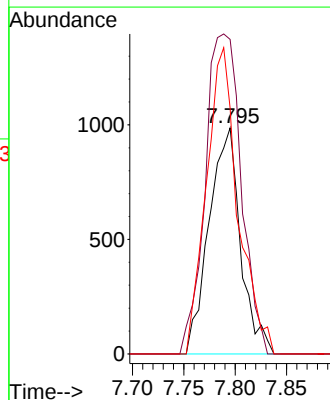
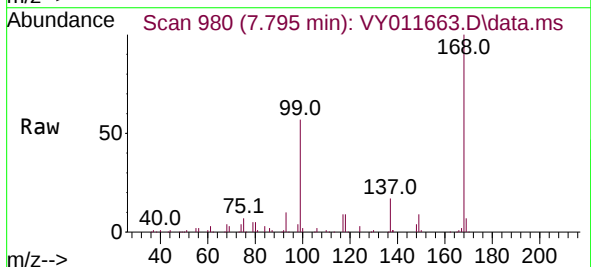
Instrument :
MSVOA_Y
ClientSampleId :
S2

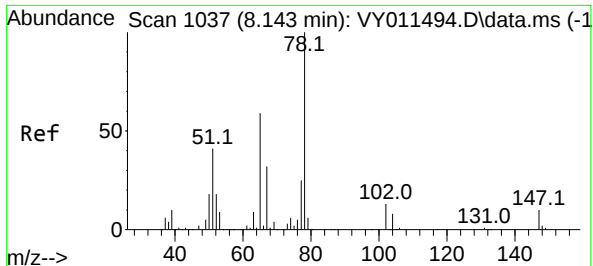
Tgt Ion: 43 Resp: 588
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.339 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY011663.D
Acq: 01 Dec 2022 15:29

Tgt Ion: 56 Resp: 2098
Ion Ratio Lower Upper
56 100
69 139.1 26.7 40.1#
84 108.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 65.406 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011663.D

Acq: 01 Dec 2022 15:29

Instrument :

MSVOA_Y

ClientSampleId :

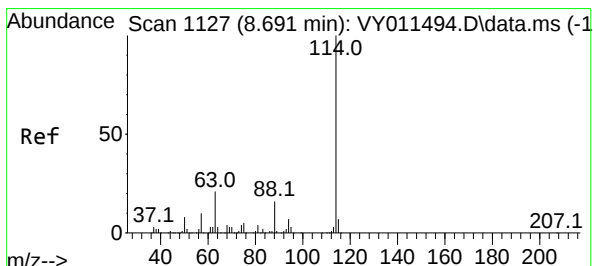
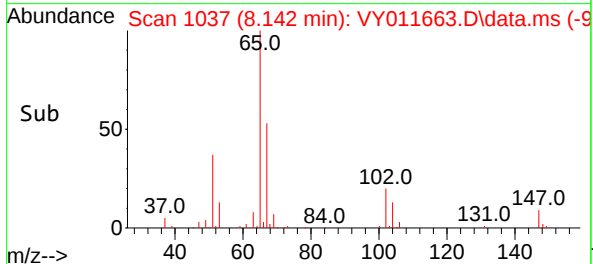
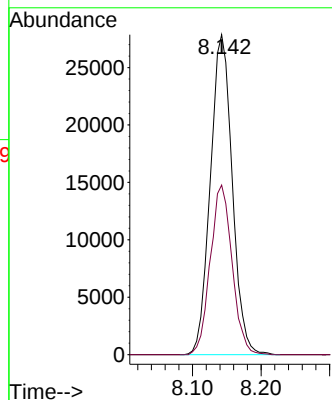
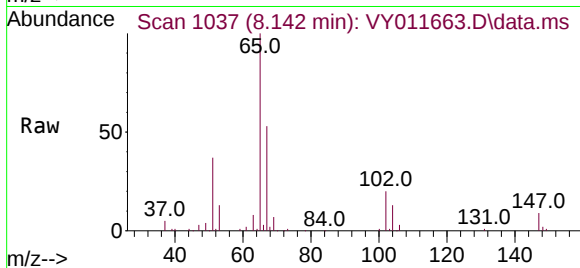
S2

Tgt Ion: 65 Resp: 61831

Ion Ratio Lower Upper

65 100

67 52.8 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: VY011663.D

Acq: 01 Dec 2022 15:29

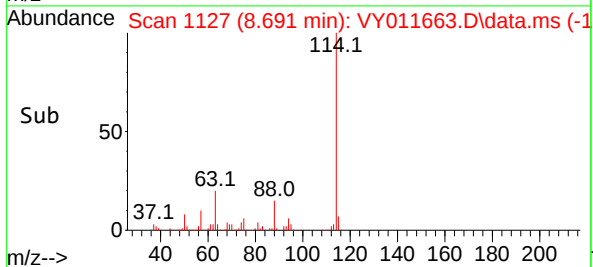
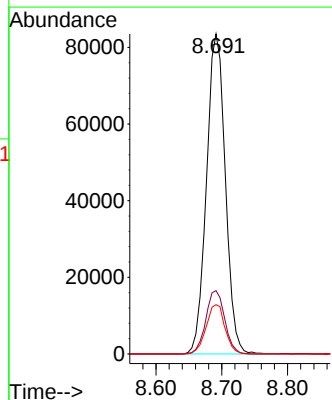
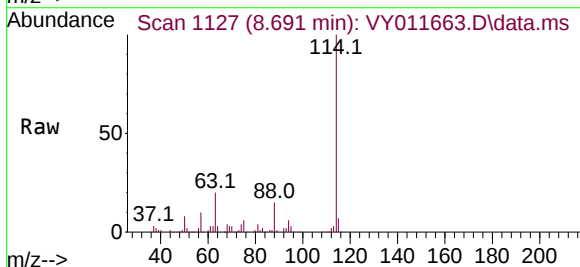
Tgt Ion: 114 Resp: 166568

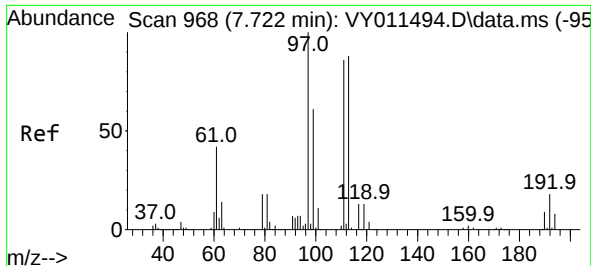
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

88 15.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 54.336 ug/l

RT: 7.716 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY011663.D

Acq: 01 Dec 2022 15:29

Instrument :

MSVOA_Y

ClientSampleId :

S2

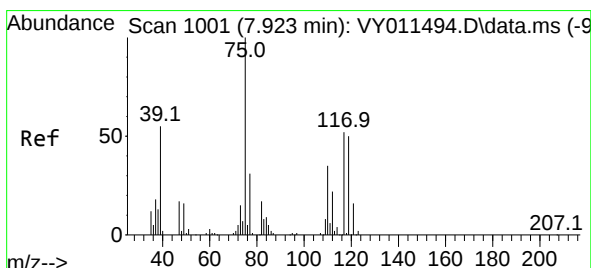
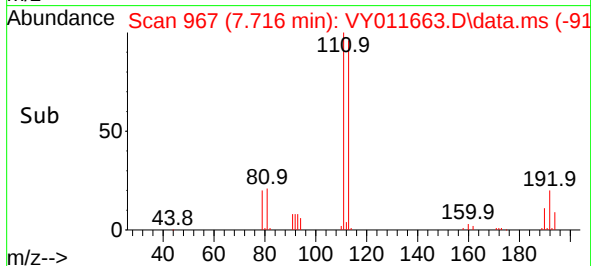
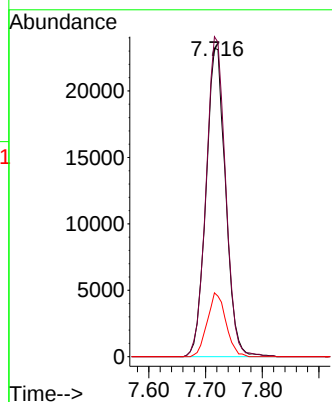
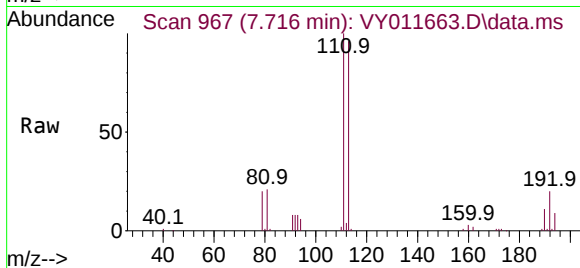
Tgt Ion:113 Resp: 55715

Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 19.8 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.669 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.134 min

Lab File: VY011663.D

Acq: 01 Dec 2022 15:29

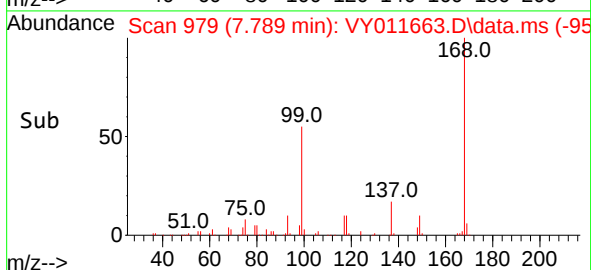
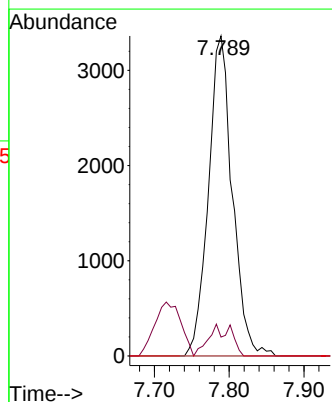
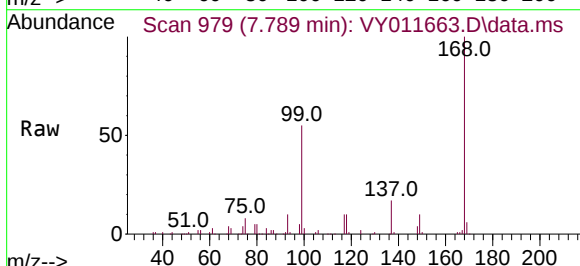
Tgt Ion: 75 Resp: 7484

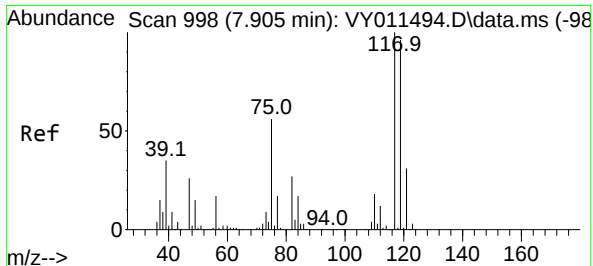
Ion Ratio Lower Upper

75 100

110 9.2 17.1 51.2#

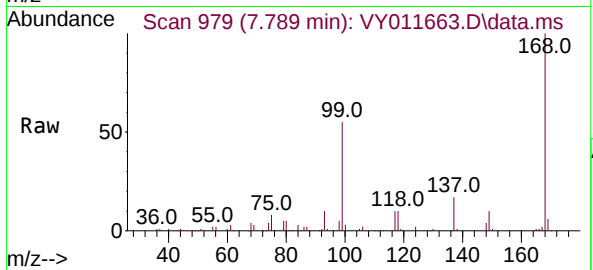
77 0.0 24.4 36.6#



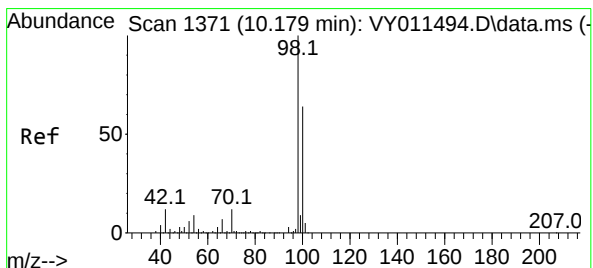
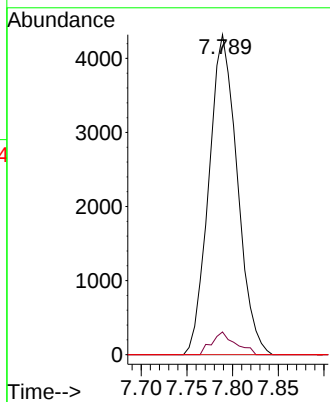
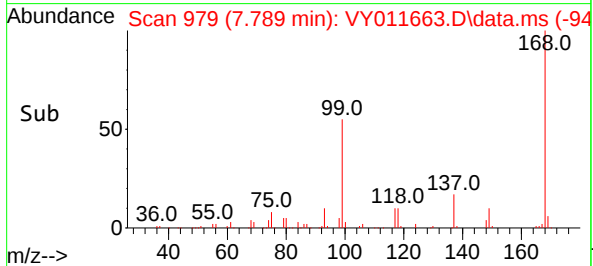


#38
Carbon Tetrachloride
Concen: 5.218 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011663.D
Acq: 01 Dec 2022 15:29

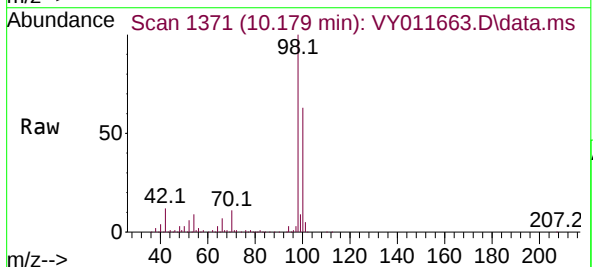
Instrument :
MSVOA_Y
ClientSampleId :
S2



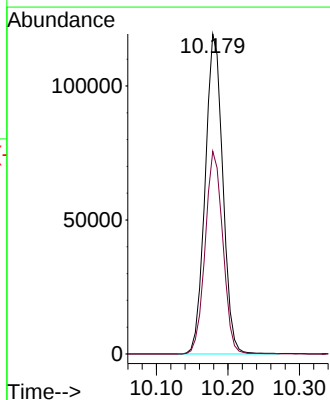
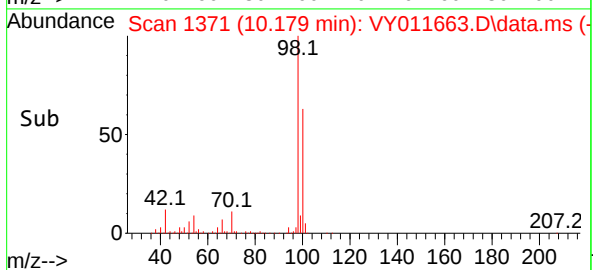
Tgt Ion:117 Resp: 9357
Ion Ratio Lower Upper
117 100
119 7.1 77.9 116.9#
121 0.0 24.8 37.2#

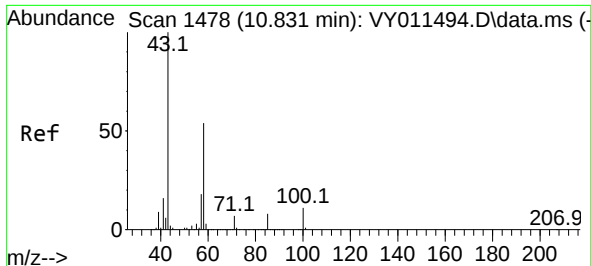


#50
Toluene-d8
Concen: 54.773 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011663.D
Acq: 01 Dec 2022 15:29



Tgt Ion: 98 Resp: 204092
Ion Ratio Lower Upper
98 100
100 63.5 50.2 75.2

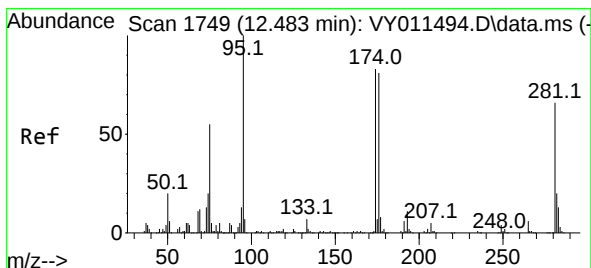
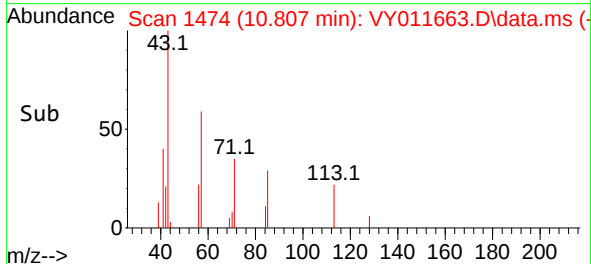
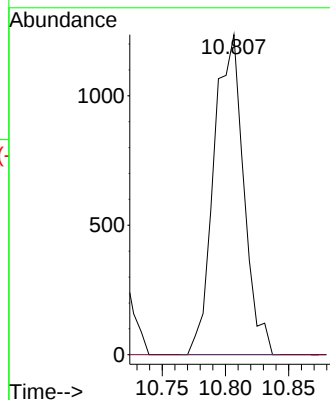
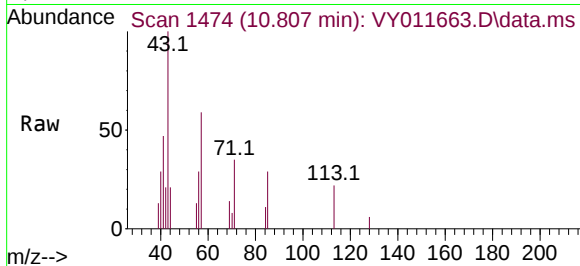




#59
2-Hexanone
Concen: 3.103 ug/l
RT: 10.807 min Scan# 1478
Delta R.T. -0.024 min
Lab File: VY011663.D
Acq: 01 Dec 2022 15:29

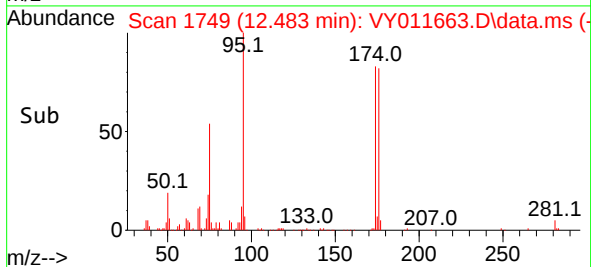
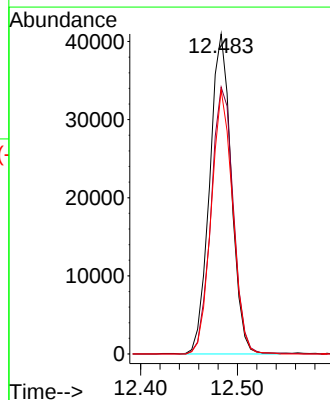
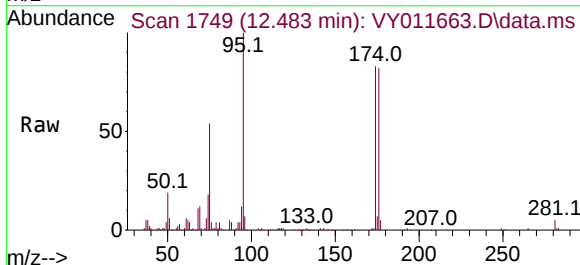
Instrument :
MSVOA_Y
ClientSampleId :
S2

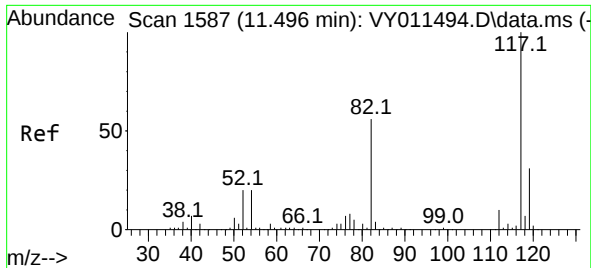
Tgt Ion: 43 Resp: 2027
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 46.238 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011663.D
Acq: 01 Dec 2022 15:29

Tgt Ion: 95 Resp: 63700
Ion Ratio Lower Upper
95 100
174 85.9 0.0 177.0
176 81.5 0.0 175.8

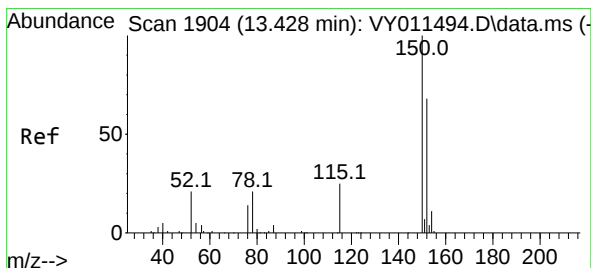
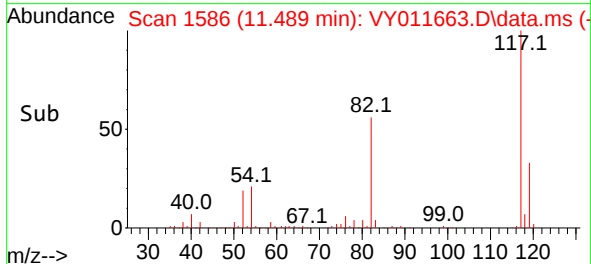
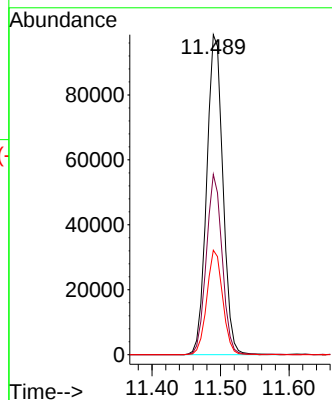
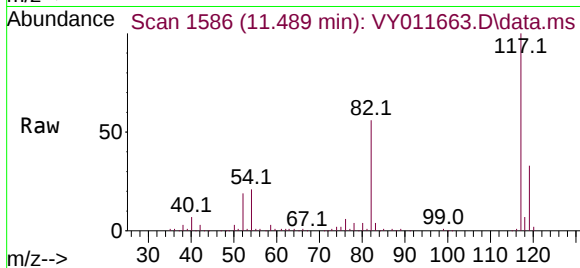




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.007 min
Lab File: VY011663.D
Acq: 01 Dec 2022 15:29

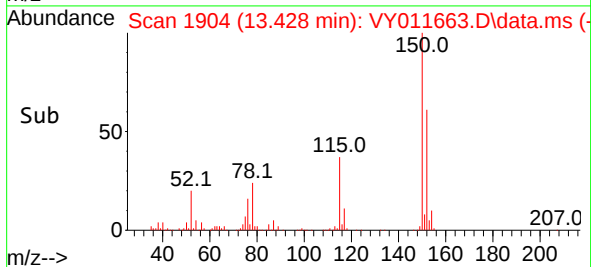
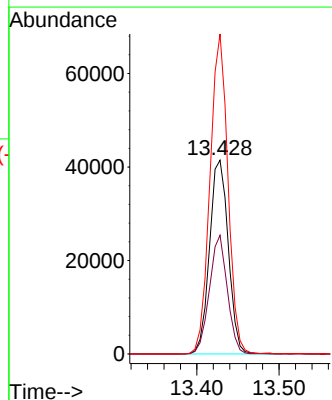
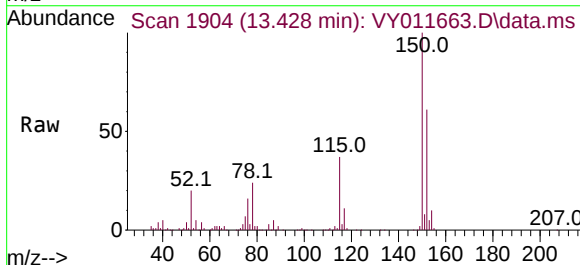
Instrument :
MSVOA_Y
ClientSampleId :
S2

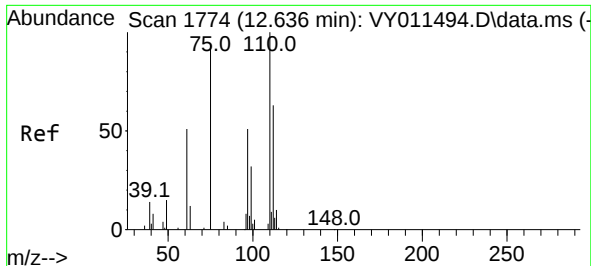
Tgt Ion:117 Resp: 162214
Ion Ratio Lower Upper
117 100
82 56.3 43.0 64.4
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011663.D
Acq: 01 Dec 2022 15:29

Tgt Ion:152 Resp: 65746
Ion Ratio Lower Upper
152 100
115 58.5 28.2 84.7
150 157.8 0.0 347.6

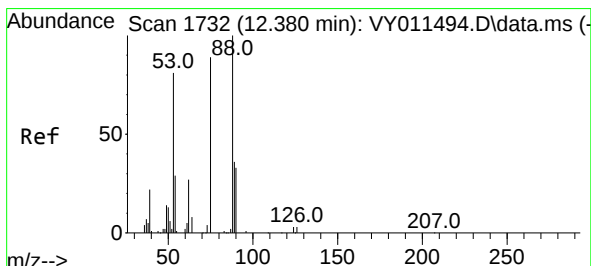
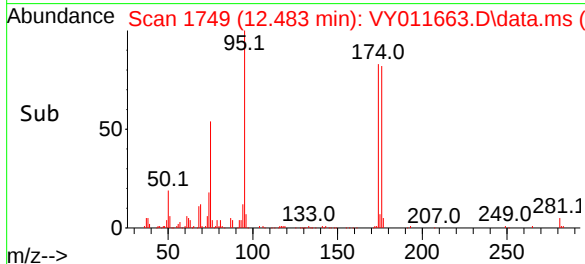
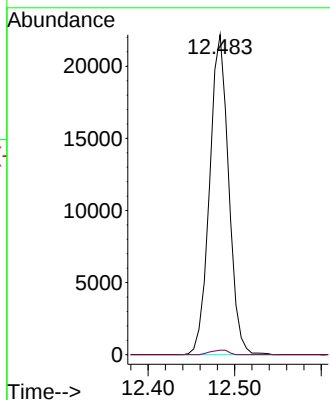
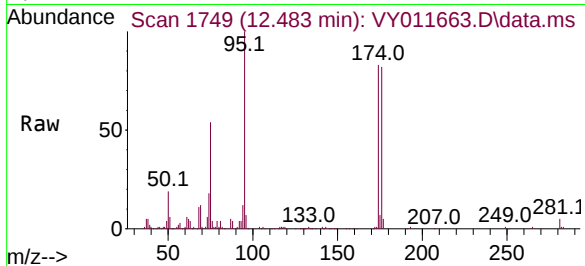




#76
1,2,3-Trichloropropane
Concen: 47.890 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011663.D
Acq: 01 Dec 2022 15:29

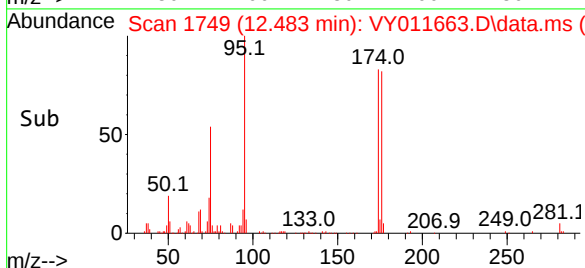
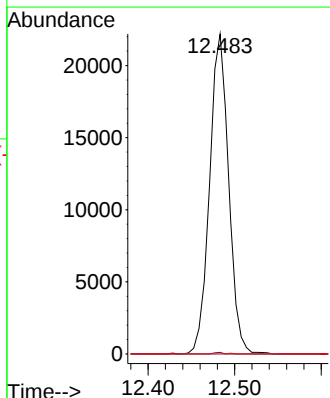
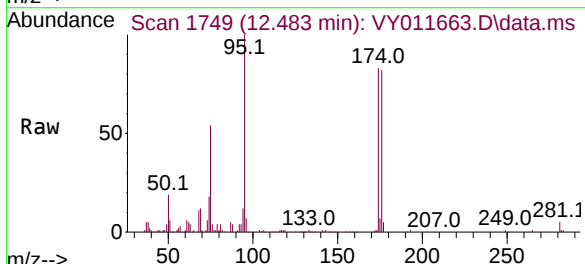
Instrument :
MSVOA_Y
ClientSampleId :
S2

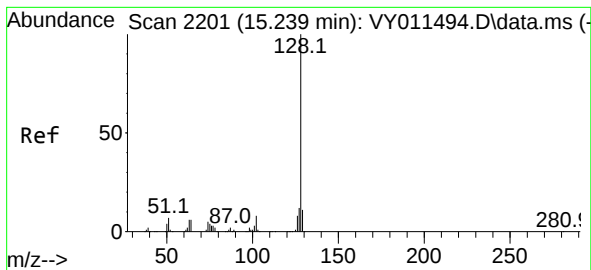
Tgt Ion: 75 Resp: 33908
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.895 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011663.D
Acq: 01 Dec 2022 15:29

Tgt Ion: 75 Resp: 33908
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.1 37.0 55.4#





#95
Naphthalene
Concen: 4.308 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY011663.D
Acq: 01 Dec 2022 15:29

Instrument :
MSVOA_Y
ClientSampleId :
S2

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	8.5	8.4	12.6

