

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092322\
 Data File : VY010643.D
 Acq On : 23 Sep 2022 13:02
 Operator : KP/MD
 Sample : N4733-01
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-05-092122

Quant Time: Sep 24 01:20:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

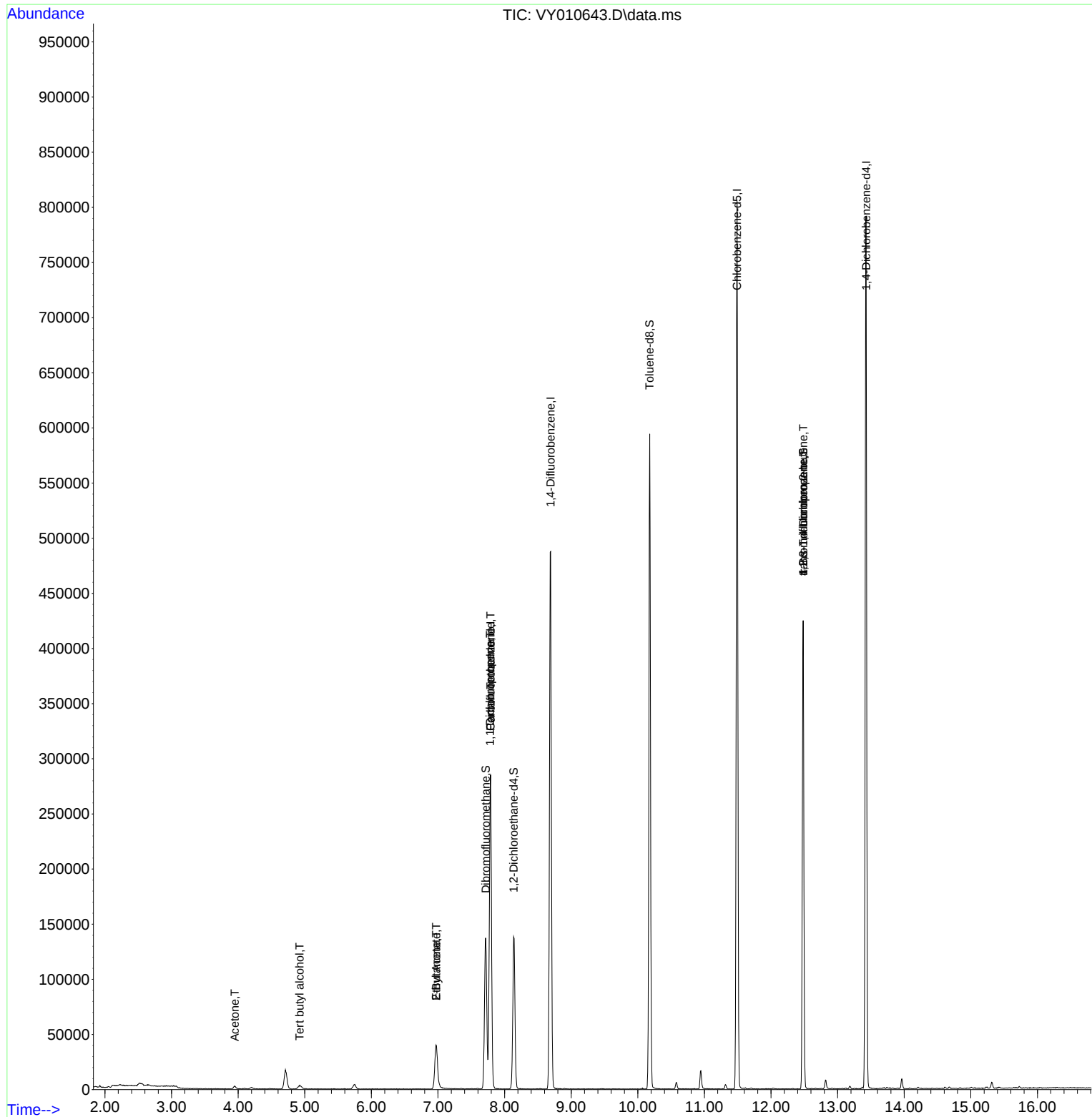
Internal Standards						
1) Pentafluorobenzene	7.789	168	220499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	421246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	432008	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	204203	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	107434	50.940	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.880%
35) Dibromofluoromethane	7.715	113	97787	36.374	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	72.740%
50) Toluene-d8	10.178	98	380092	38.989	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.980%
62) 4-Bromofluorobenzene	12.483	95	125786	33.205	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	66.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.899	85	107	Below Cal	#	43
3) Chloromethane	2.113	50	450	Below Cal	#	88
4) Vinyl Chloride	2.326	62	29	Below Cal	#	43
5) Bromomethane	2.655	94	489	Below Cal		91
11) Tert butyl alcohol	4.923	59	2292	1.026	ug/l #	83
16) Acetone	3.948	43	4435	10.312	ug/l #	88
18) Methyl Acetate	4.478	43	856	Below Cal	#	68
20) Methylene Chloride	4.710	84	12621	Below Cal		89
25) 2-Butanone	6.972	43	2064	3.068	ug/l	95
31) Cyclohexane	7.789	56	4820	Below Cal	#	9
36) 1,1-Dichloropropene	7.783	75	16984	5.670	ug/l #	50
37) Ethyl Acetate	6.972	43	2064	1.193	ug/l #	1
38) Carbon Tetrachloride	7.789	117	21466	6.232	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	65085	33.394	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	65085	74.250	ug/l #	7

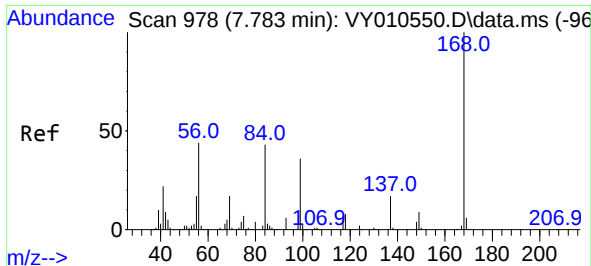
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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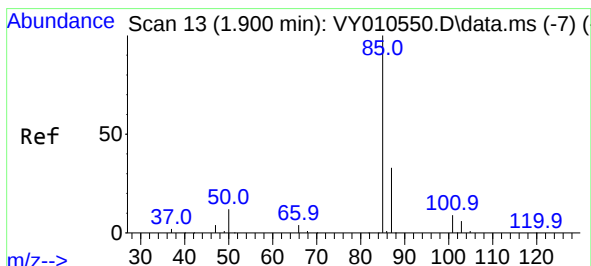
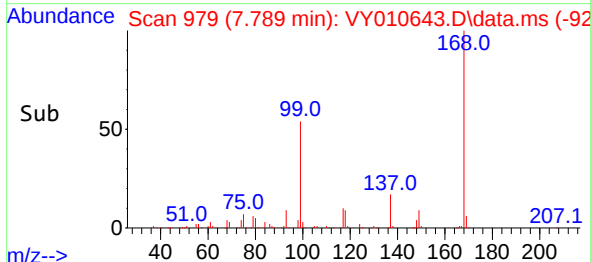
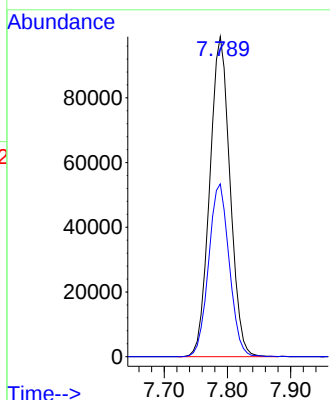
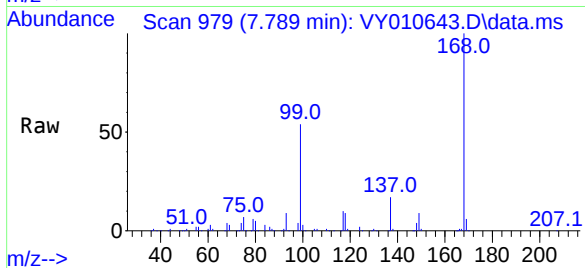




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010643.D
Acq: 23 Sep 2022 13:02

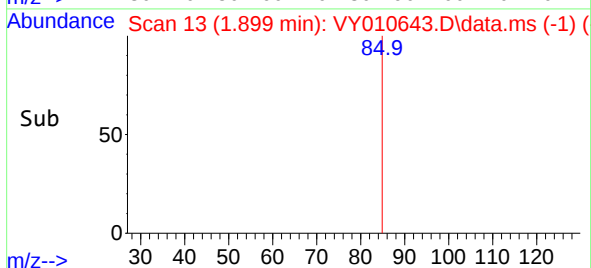
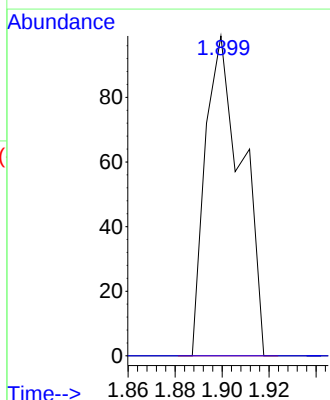
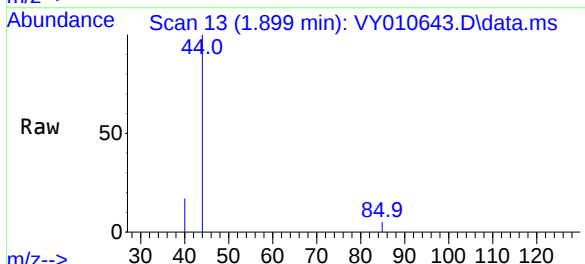
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-092122

Tgt Ion:168 Resp: 220499
Ion Ratio Lower Upper
168 100
99 54.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.899 min Scan# 13
Delta R.T. -0.001 min
Lab File: VY010643.D
Acq: 23 Sep 2022 13:02

Tgt Ion: 85 Resp: 107
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

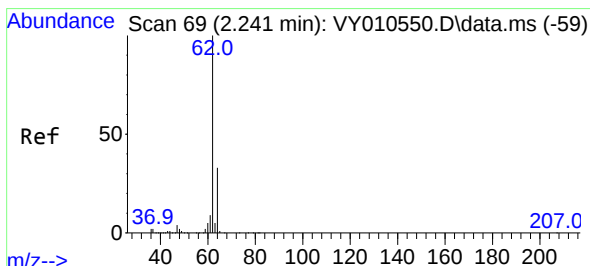
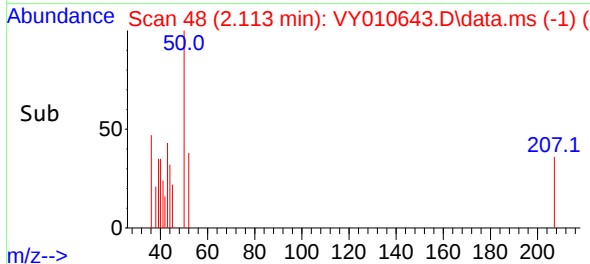
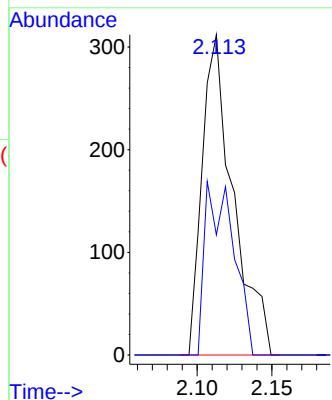
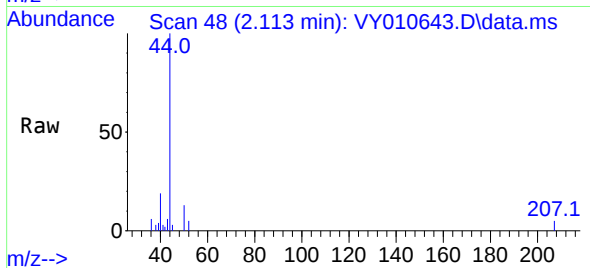




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010643.D
Acq: 23 Sep 2022 13:02

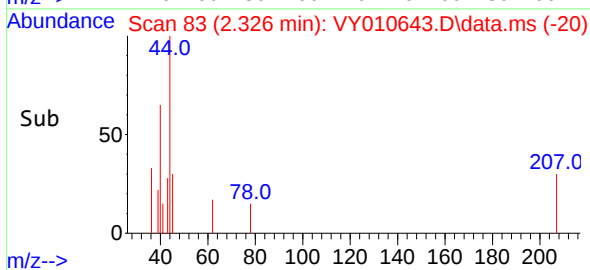
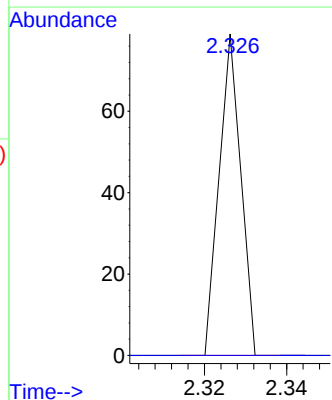
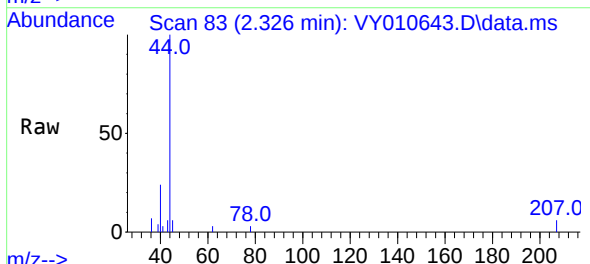
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-092122

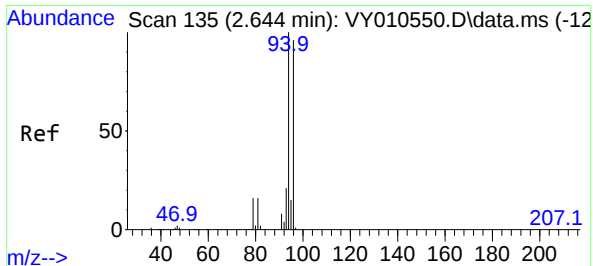
Tgt Ion: 50 Resp: 450
Ion Ratio Lower Upper
50 100
52 37.5 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.326 min Scan# 83
Delta R.T. 0.085 min
Lab File: VY010643.D
Acq: 23 Sep 2022 13:02

Tgt Ion: 62 Resp: 29
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

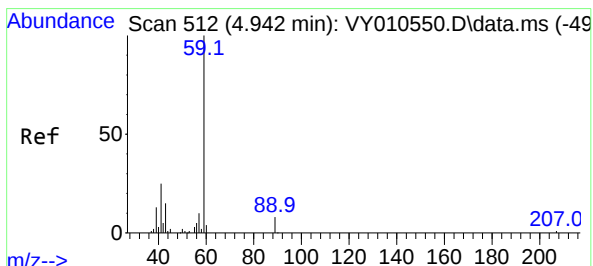
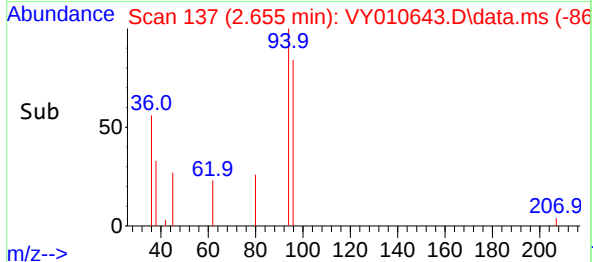
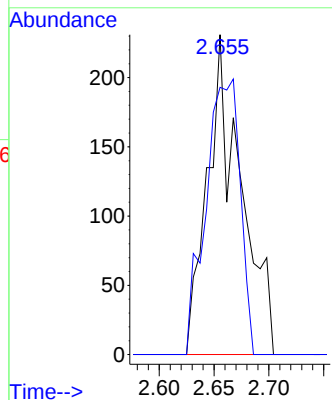
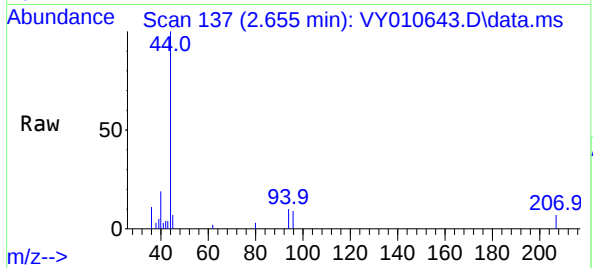




#5
Bromomethane
Concen: Below Cal
RT: 2.655 min Scan# 11
Delta R.T. 0.011 min
Lab File: VY010643.D
Acq: 23 Sep 2022 13:02

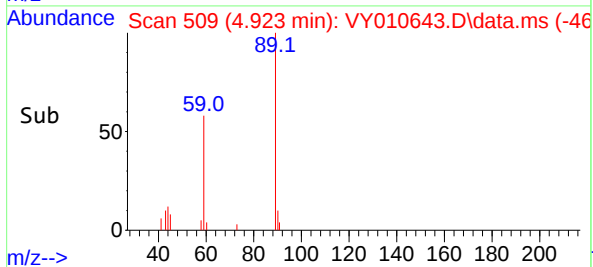
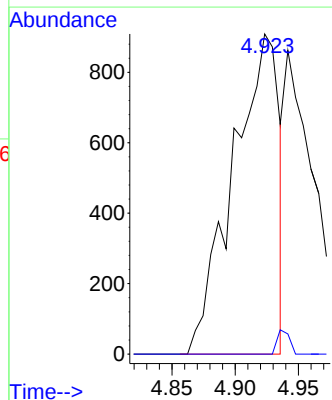
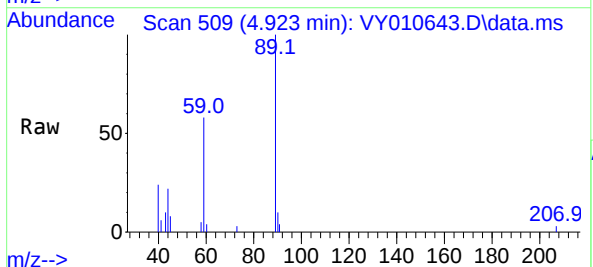
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-092122

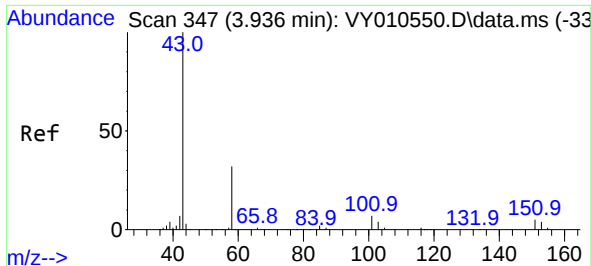
Tgt Ion: 94 Resp: 489
Ion Ratio Lower Upper
94 100
96 83.5 73.5 110.3



#11
Tert butyl alcohol
Concen: 1.026 ug/l
RT: 4.923 min Scan# 509
Delta R.T. -0.019 min
Lab File: VY010643.D
Acq: 23 Sep 2022 13:02

Tgt Ion: 59 Resp: 2292
Ion Ratio Lower Upper
59 100
57 2.0 6.4 9.6#

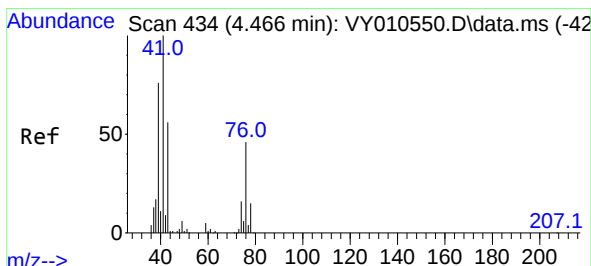
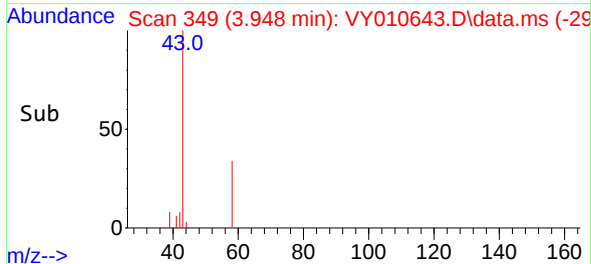
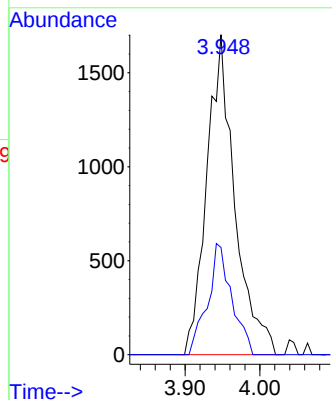
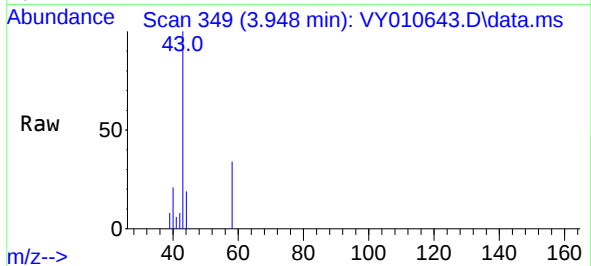




#16
Acetone
Concen: 10.312 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY010643.D
Acq: 23 Sep 2022 13:02

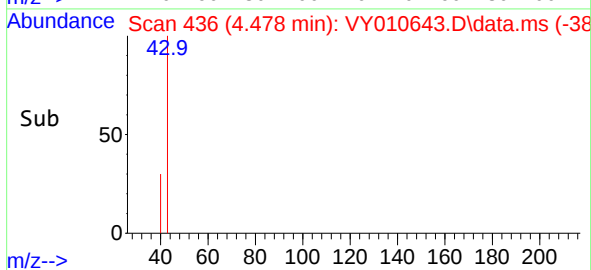
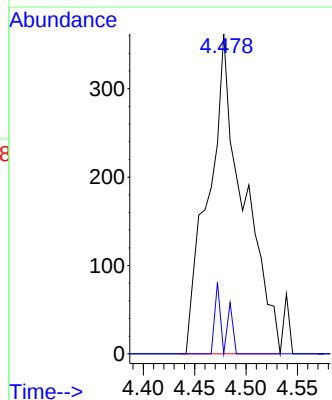
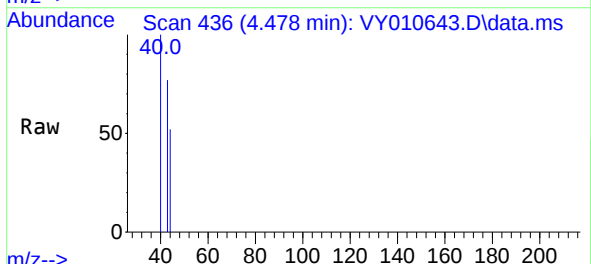
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-092122

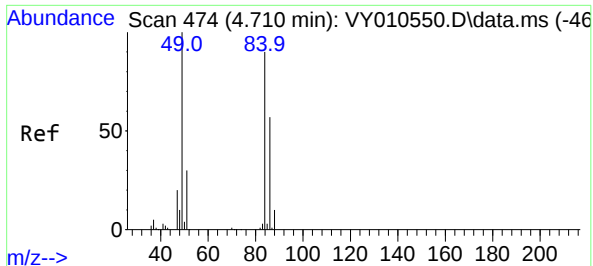
Tgt Ion: 43 Resp: 4435
Ion Ratio Lower Upper
43 100
58 33.5 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.478 min Scan# 436
Delta R.T. 0.012 min
Lab File: VY010643.D
Acq: 23 Sep 2022 13:02

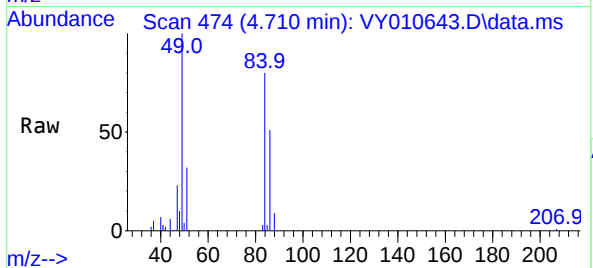
Tgt Ion: 43 Resp: 856
Ion Ratio Lower Upper
43 100
74 6.0 16.6 24.8#





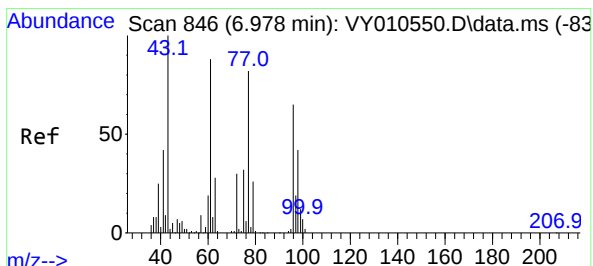
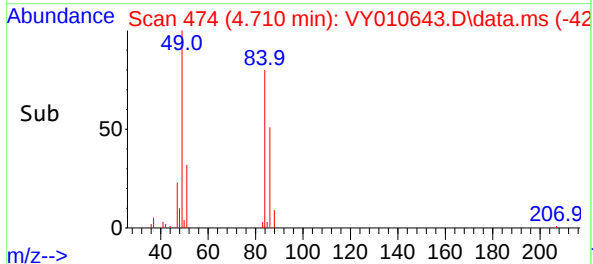
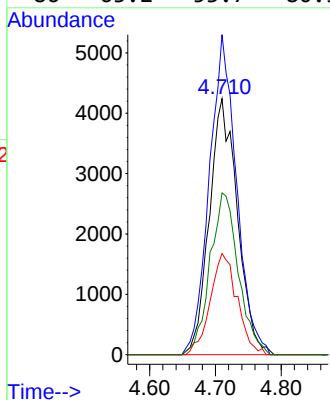
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY010643.D
Acq: 23 Sep 2022 13:02

Instrument :
MSVOA_Y
ClientSampleId :
AU-05-092122



Tgt Ion: 84 Resp: 12621

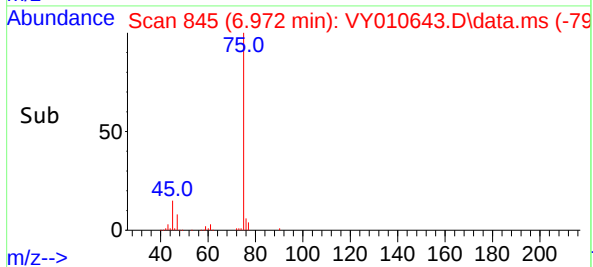
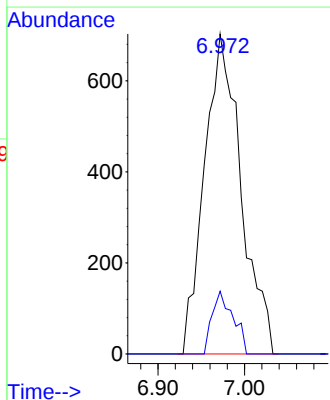
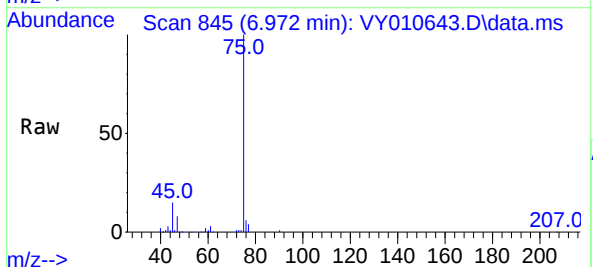
Ion	Ratio	Lower	Upper
84	100		
49	125.0	114.4	171.6
51	39.5	35.3	52.9
86	63.2	53.7	80.5

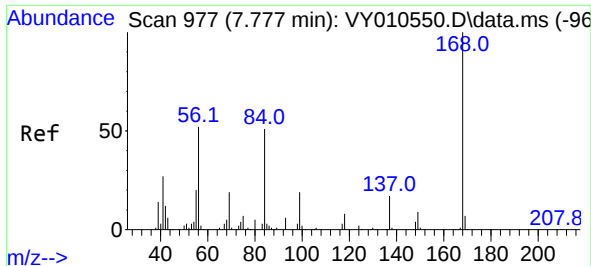


#25
2-Butanone
Concen: 3.068 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010643.D
Acq: 23 Sep 2022 13:02

Tgt Ion: 43 Resp: 2064

Ion	Ratio	Lower	Upper
43	100		
72	19.6	17.7	26.5

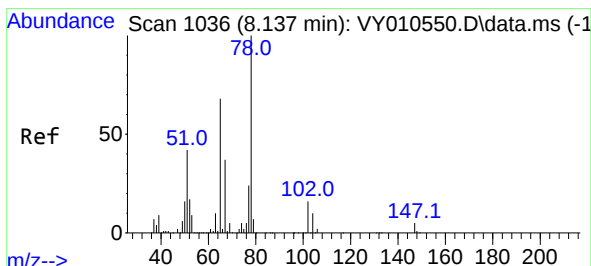
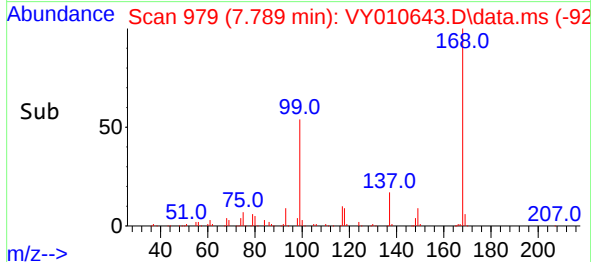
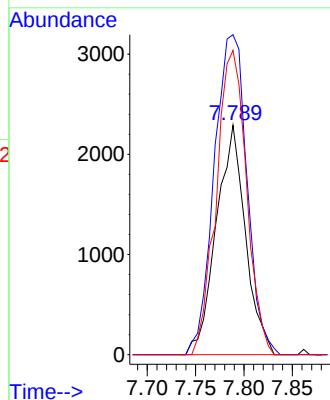
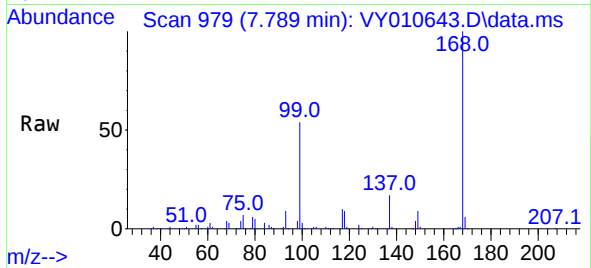




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY010643.D
Acq: 23 Sep 2022 13:02

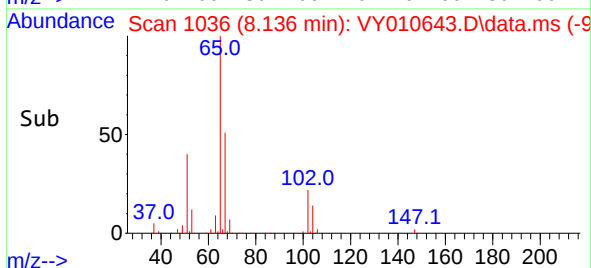
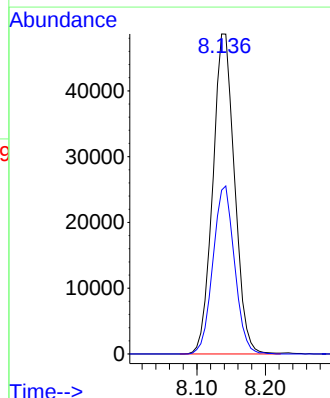
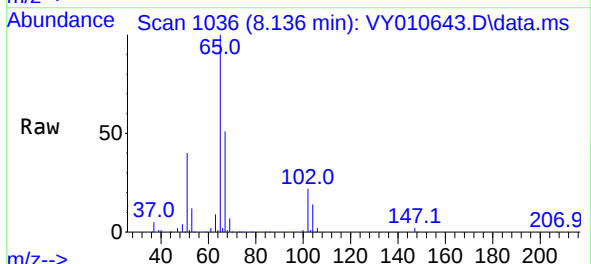
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-092122

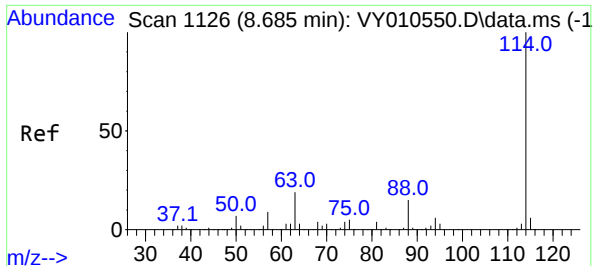
Tgt Ion: 56 Resp: 4820
Ion Ratio Lower Upper
56 100
69 139.5 26.7 40.1#
84 132.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 50.940 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010643.D
Acq: 23 Sep 2022 13:02

Tgt Ion: 65 Resp: 107434
Ion Ratio Lower Upper
65 100
67 51.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY010643.D

Acq: 23 Sep 2022 13:02

Instrument :

MSVOA_Y

ClientSampleId :

AU-05-092122

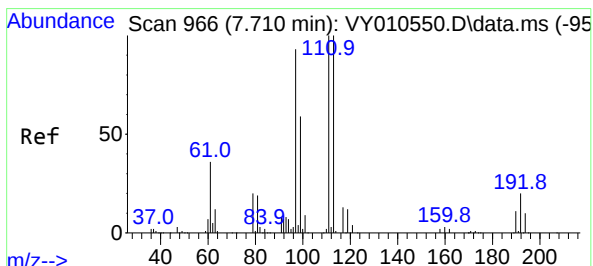
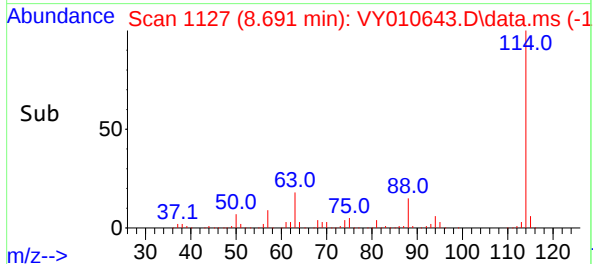
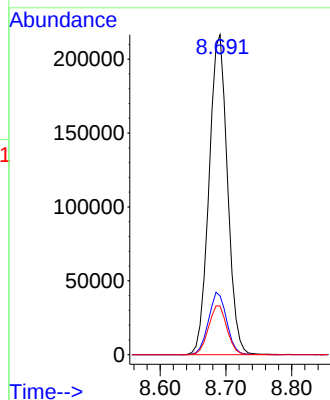
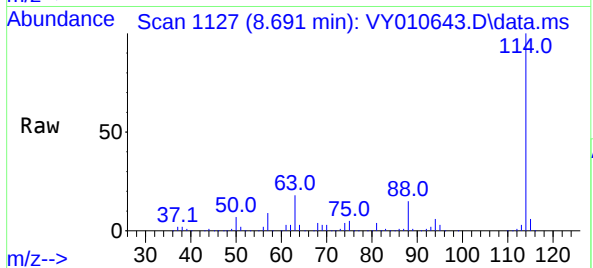
Tgt Ion:114 Resp: 421246

Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 15.2 0.0 31.8



#35

Dibromofluoromethane

Concen: 36.374 ug/l

RT: 7.715 min Scan# 967

Delta R.T. 0.005 min

Lab File: VY010643.D

Acq: 23 Sep 2022 13:02

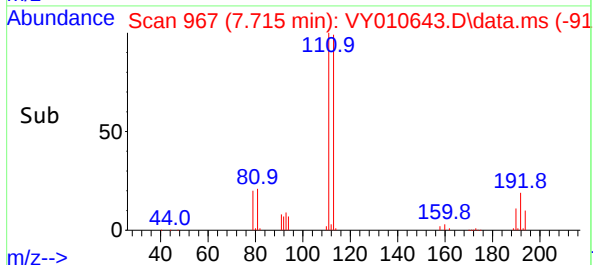
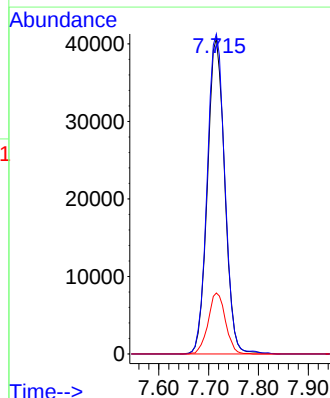
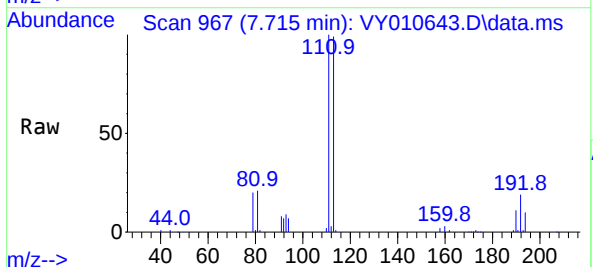
Tgt Ion:113 Resp: 97787

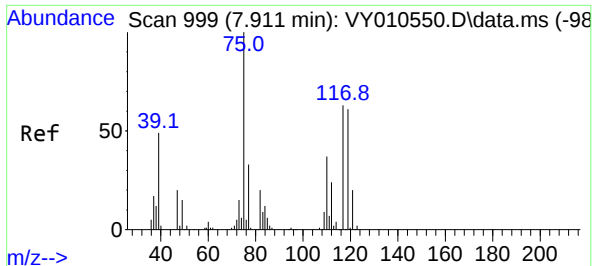
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 19.4 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.670 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010643.D

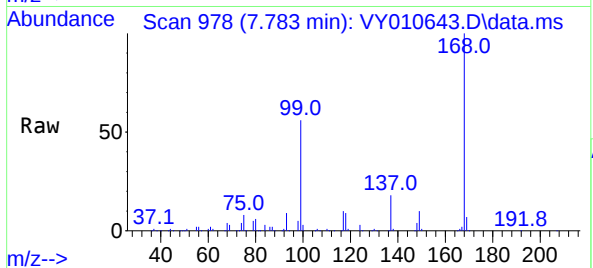
Acq: 23 Sep 2022 13:02

Instrument :

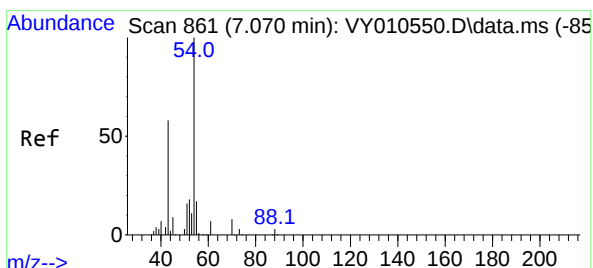
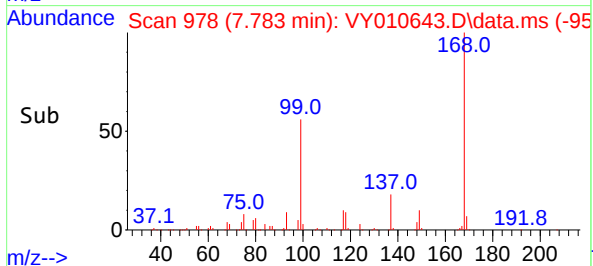
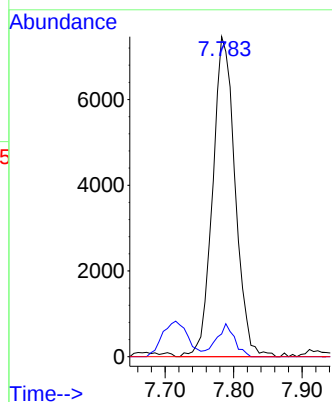
MSVOA_Y

ClientSampleId :

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Tgt Ion: 75	Resp: 16984
Ion Ratio	Lower Upper
75	100
110	8.4 17.1 51.2#
77	0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.193 ug/l

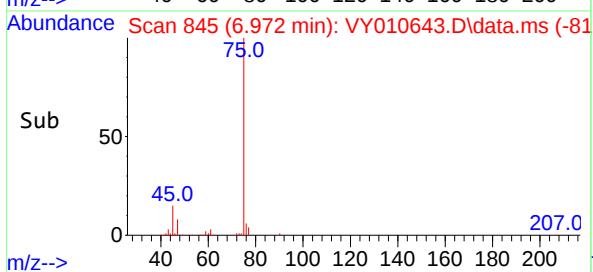
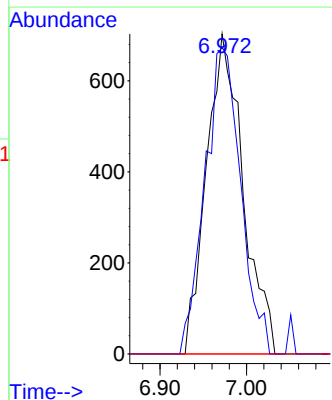
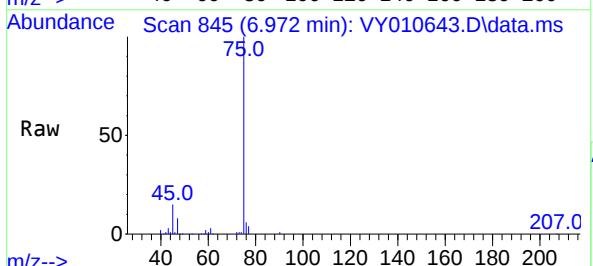
RT: 6.972 min Scan# 845

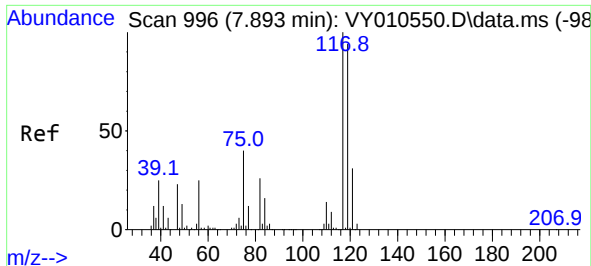
Delta R.T. -0.098 min

Lab File: VY010643.D

Acq: 23 Sep 2022 13:02

Tgt Ion: 43	Resp: 2064
Ion Ratio	Lower Upper
43	100
61	94.0 9.7 14.5#
70	0.0 7.1 10.7#

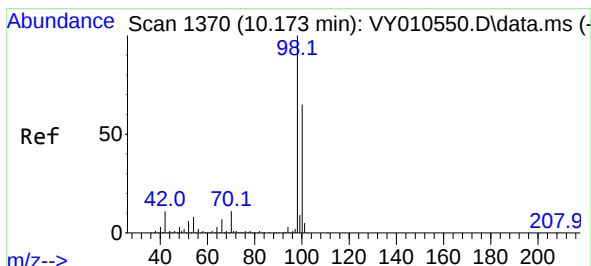
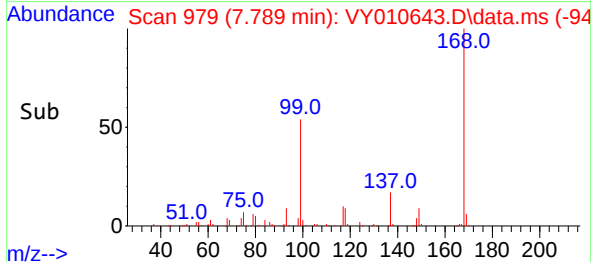
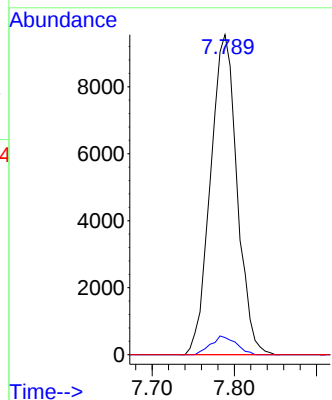
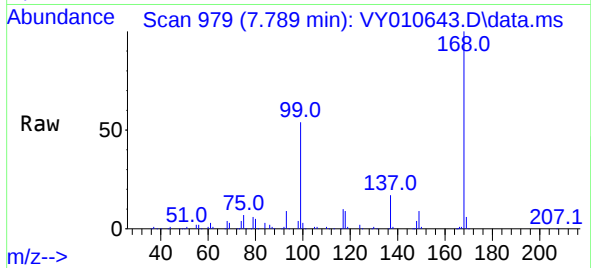




#38
Carbon Tetrachloride
Concen: 6.232 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY010643.D
Acq: 23 Sep 2022 13:02

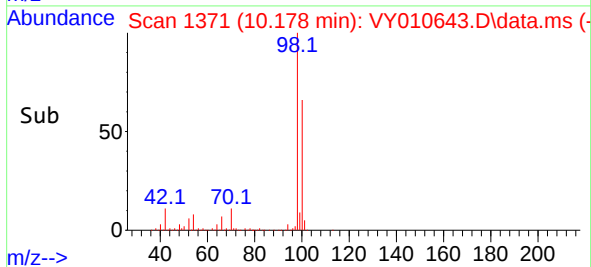
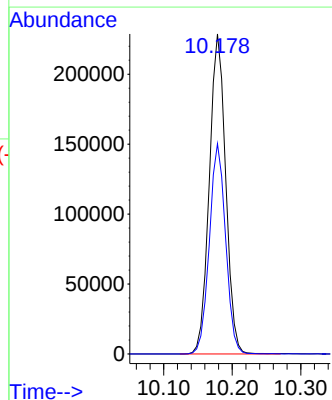
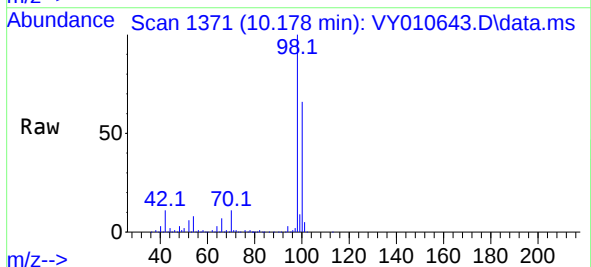
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-092122

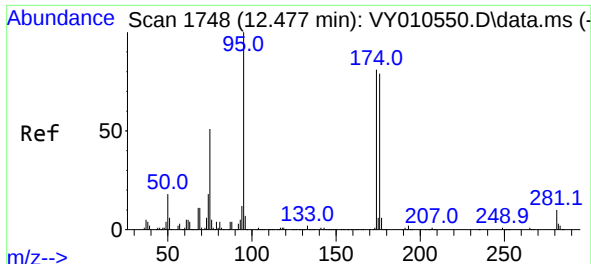
Tgt Ion:117 Resp: 21466
Ion Ratio Lower Upper
117 100
119 5.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 38.989 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. 0.005 min
Lab File: VY010643.D
Acq: 23 Sep 2022 13:02

Tgt Ion: 98 Resp: 380092
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2

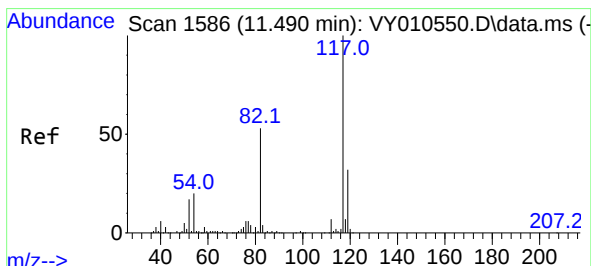
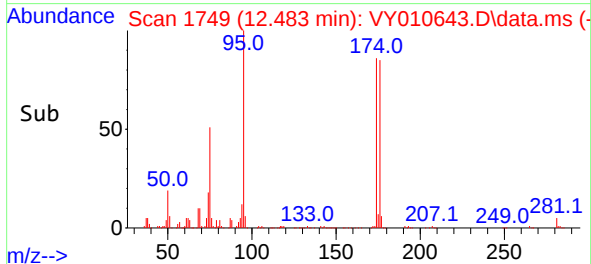
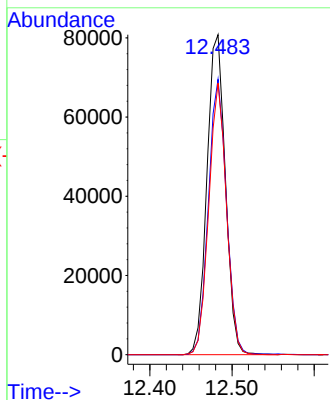
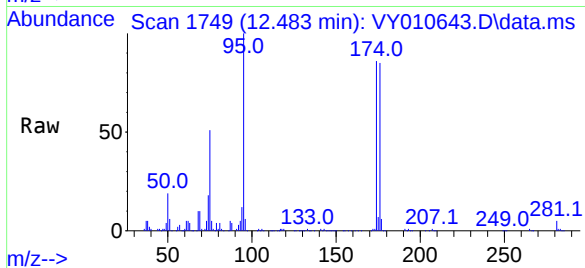




#62
4-Bromofluorobenzene
Concen: 33.205 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010643.D
Acq: 23 Sep 2022 13:02

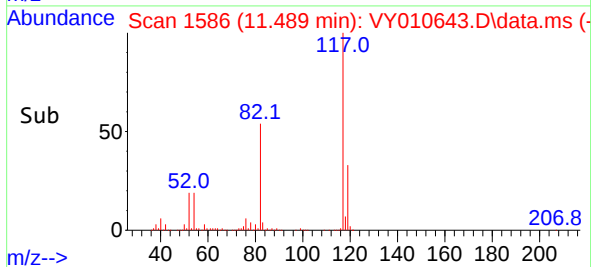
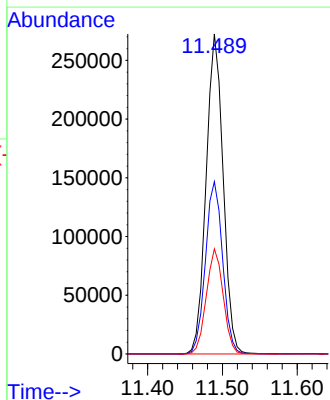
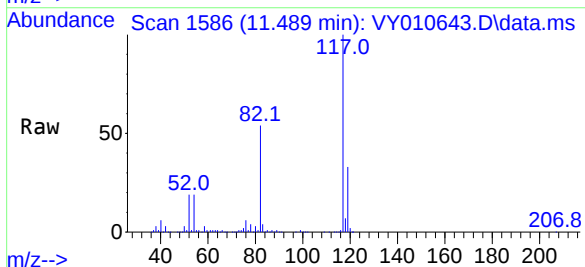
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-092122

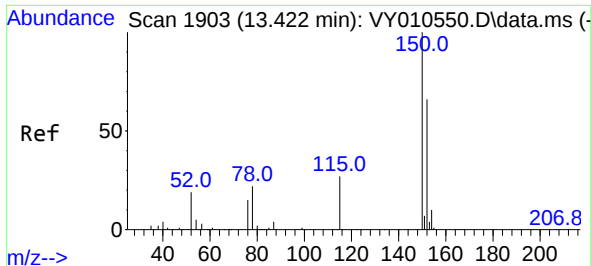
Tgt Ion: 95 Resp: 125786
Ion Ratio Lower Upper
95 100
174 84.7 0.0 177.0
176 81.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010643.D
Acq: 23 Sep 2022 13:02

Tgt Ion: 117 Resp: 432008
Ion Ratio Lower Upper
117 100
82 53.9 43.0 64.4
119 32.8 25.4 38.0

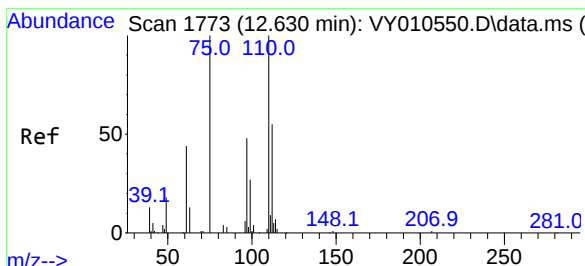
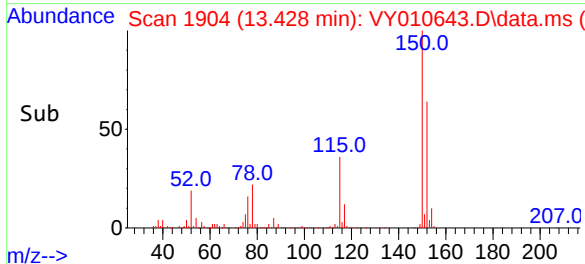
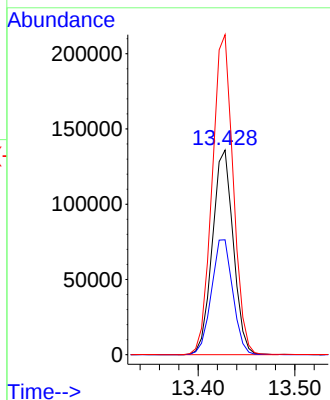
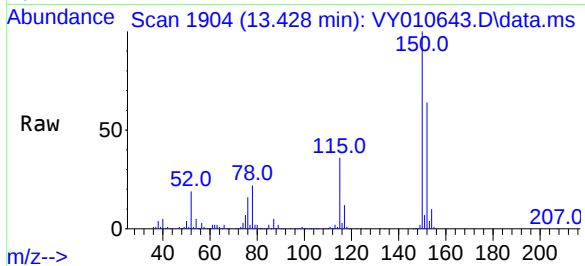




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1749
 Delta R.T. 0.006 min
 Lab File: VY010643.D
 Acq: 23 Sep 2022 13:02

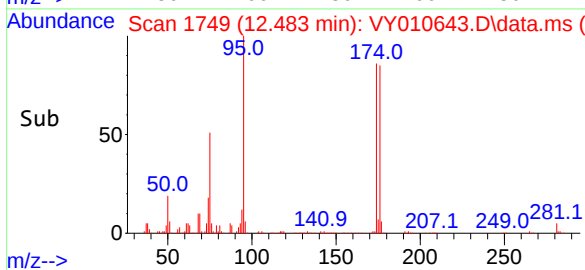
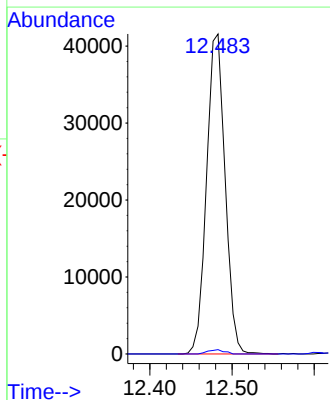
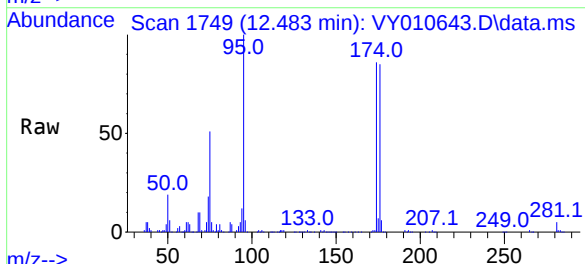
Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-05-092122

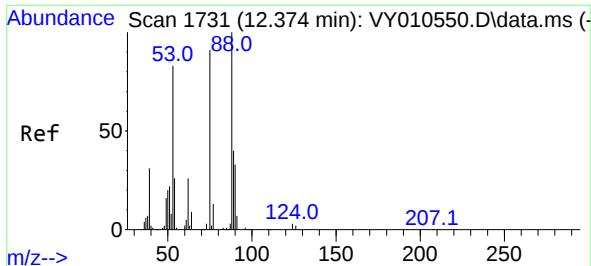
Tgt Ion:152 Resp: 204203
 Ion Ratio Lower Upper
 152 100
 115 57.5 28.2 84.7
 150 157.4 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 33.394 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY010643.D
 Acq: 23 Sep 2022 13:02

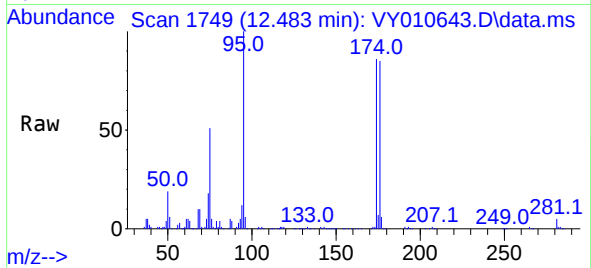
Tgt Ion: 75 Resp: 65085
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.250 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY010643.D
 Acq: 23 Sep 2022 13:02

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-05-092122



Tgt Ion: 75 Resp: 65085
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

