

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111422\
 Data File : VY011440.D
 Acq On : 14 Nov 2022 15:25
 Operator : KP/MD
 Sample : N5580-01RE
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-02-111022

Quant Time: Nov 15 01:49:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111022S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 10 17:47:26 2022
 Response via : Initial Calibration

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

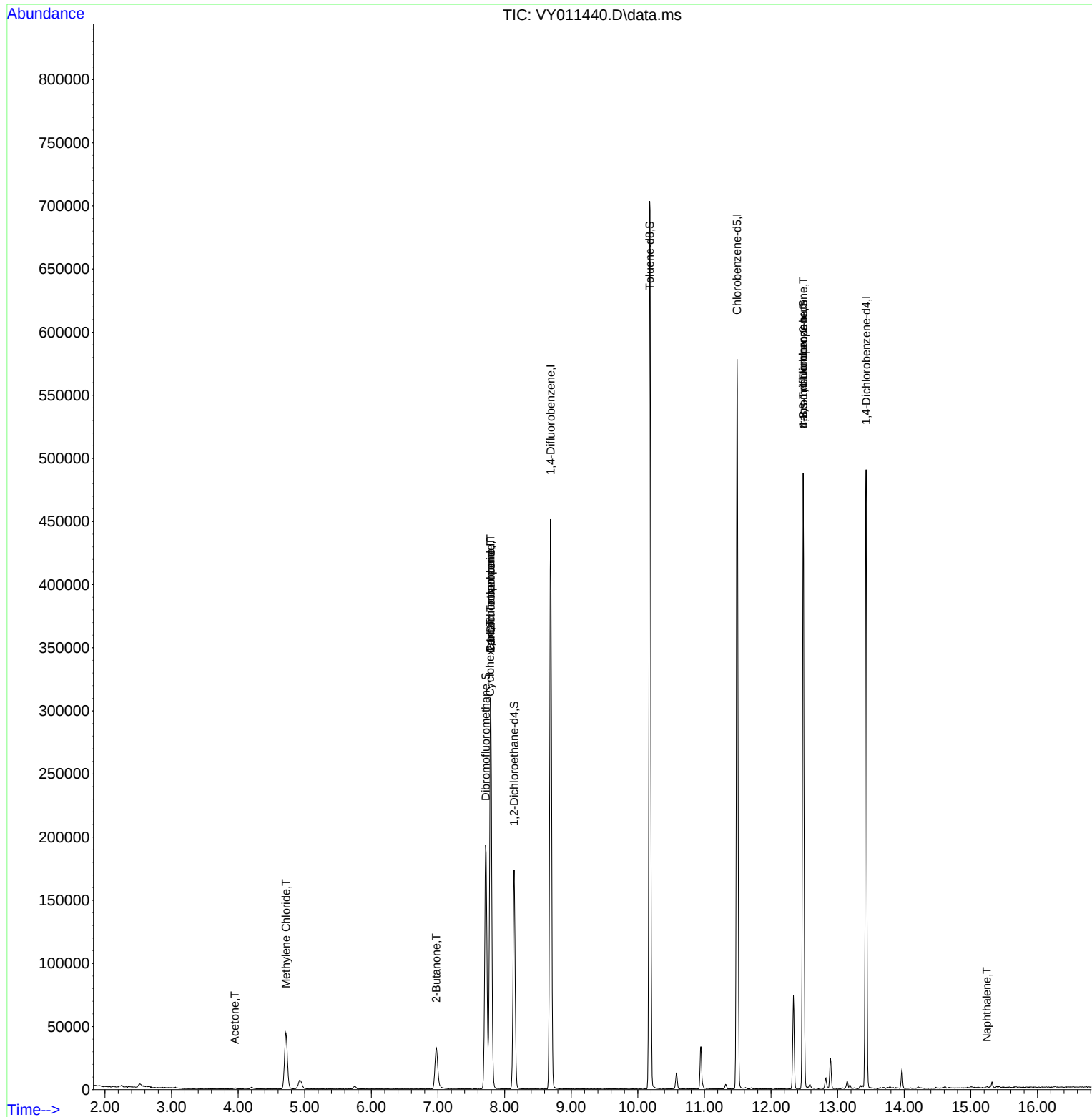
Internal Standards						
1) Pentafluorobenzene	7.789	168	254396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	411247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	341443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	134052	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	133676	62.707	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.420%	
35) Dibromofluoromethane	7.716	113	140850	61.114	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.220%	
50) Toluene-d8	10.179	98	487203	55.334	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.660%	
62) 4-Bromofluorobenzene	12.483	95	144889	47.180	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.360%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	126	Below Cal	#	43
11) Tert butyl alcohol	4.929	59	7241	Below Cal	#	80
16) Acetone	3.948	43	975	1.733	ug/l	93
18) Methyl Acetate	4.478	43	208	Below Cal	#	56
20) Methylene Chloride	4.716	84	37481	5.605	ug/l	# 77
25) 2-Butanone	6.972	43	1547	1.931	ug/l	# 54
31) Cyclohexane	7.783	56	4022	1.050	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	17619	4.926	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	24402	6.271	ug/l	# 16
76) 1,2,3-Trichloropropane	12.483	75	69099	44.531	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	69099	107.040	ug/l	# 7
95) Naphthalene	15.239	128	1228	3.502	ug/l	# 81

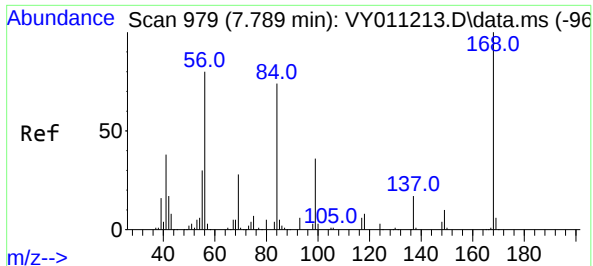
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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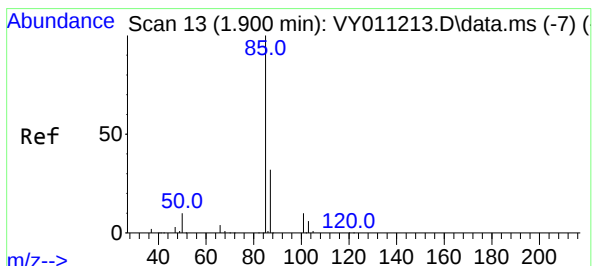
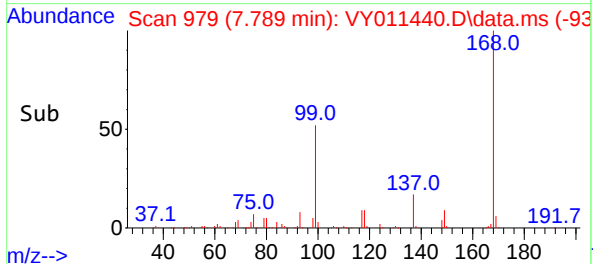
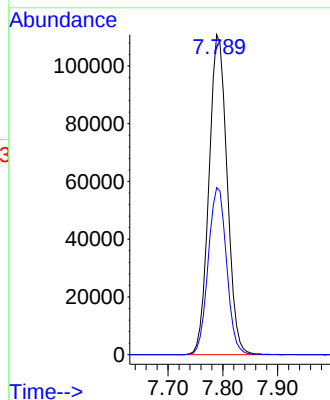
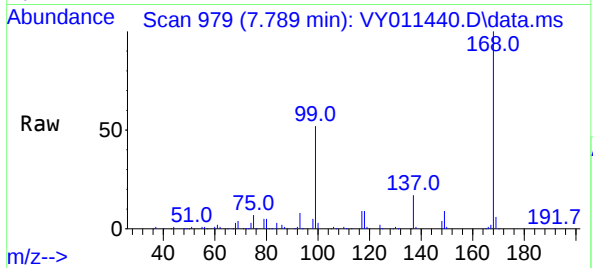




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011440.D
Acq: 14 Nov 2022 15:25

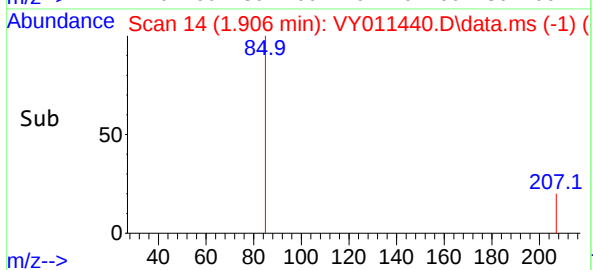
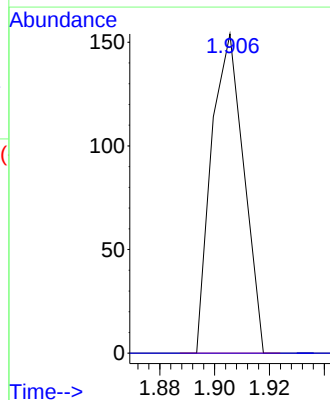
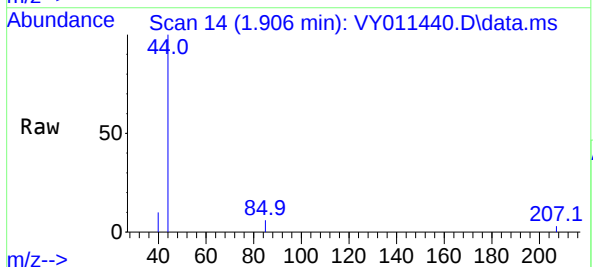
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-111022

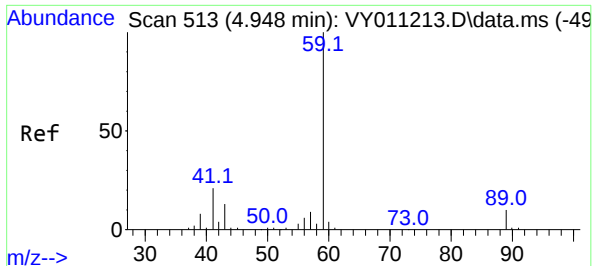
Tgt Ion:168 Resp: 254396
Ion Ratio Lower Upper
168 100
99 52.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY011440.D
Acq: 14 Nov 2022 15:25

Tgt Ion: 85 Resp: 126
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.929 min Scan# 51

Delta R.T. -0.025 min

Lab File: VY011440.D

Acq: 14 Nov 2022 15:25

Instrument :

MSVOA_Y

ClientSampleId :

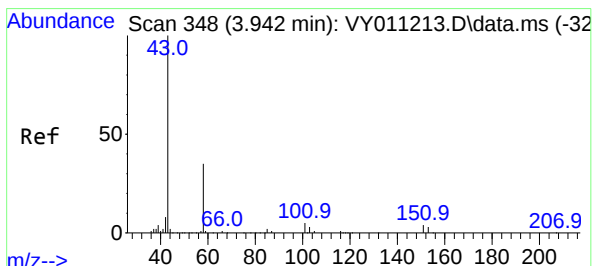
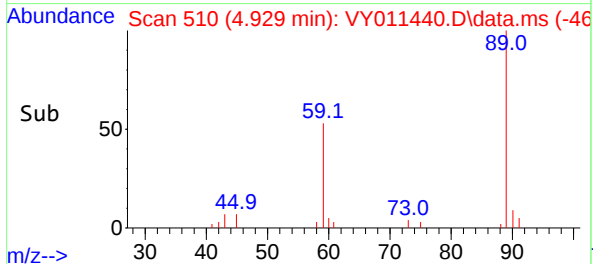
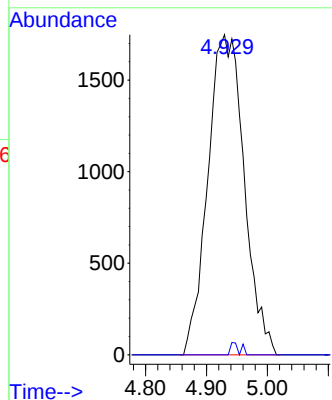
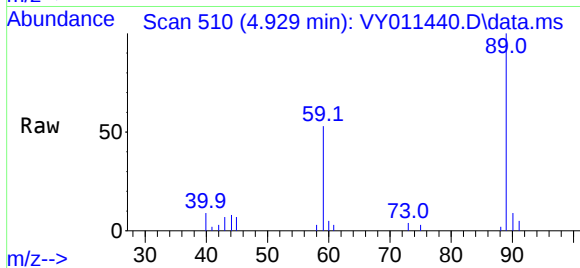
SU-02-111022

Tgt Ion: 59 Resp: 7241

Ion Ratio Lower Upper

59 100

57 1.0 6.4 9.6#



#16

Acetone

Concen: 1.733 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.006 min

Lab File: VY011440.D

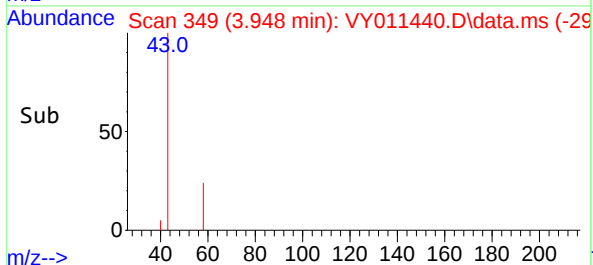
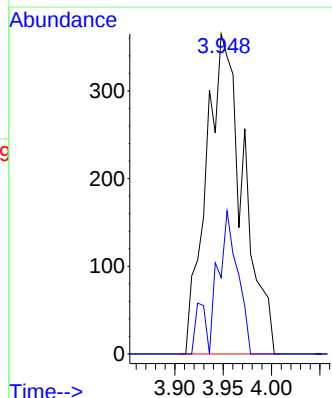
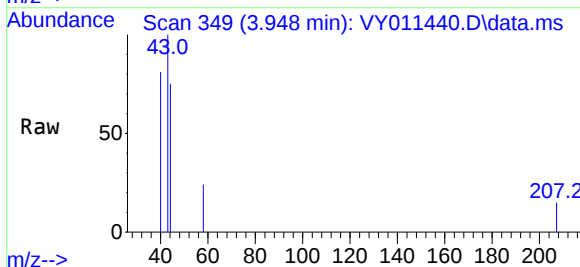
Acq: 14 Nov 2022 15:25

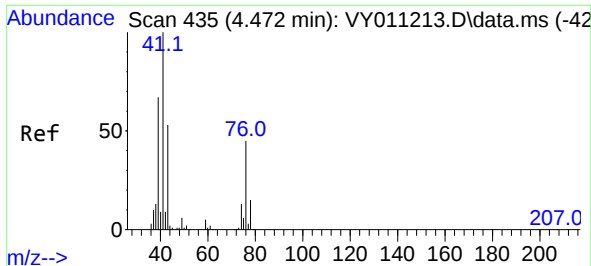
Tgt Ion: 43 Resp: 975

Ion Ratio Lower Upper

43 100

58 23.8 22.0 33.0

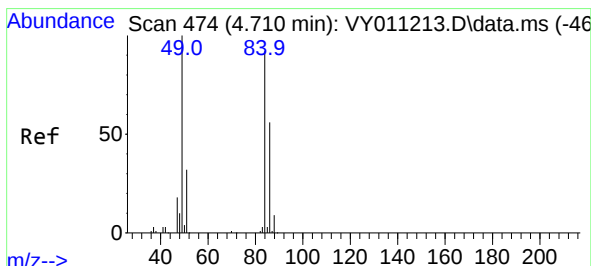
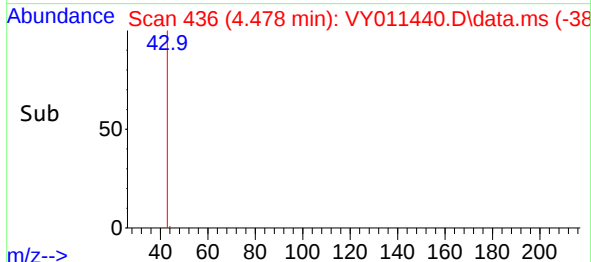
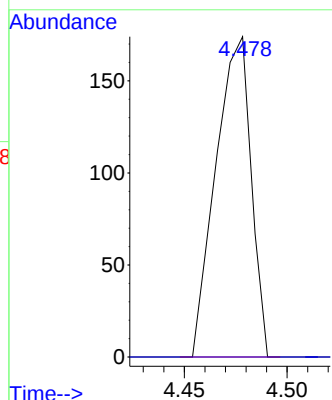
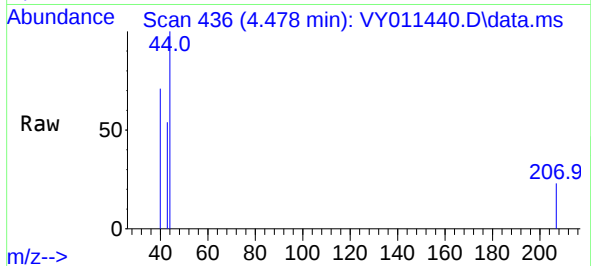




#18
Methyl Acetate
Concen: Below Cal
RT: 4.478 min Scan# 41
Delta R.T. 0.005 min
Lab File: VY011440.D
Acq: 14 Nov 2022 15:25

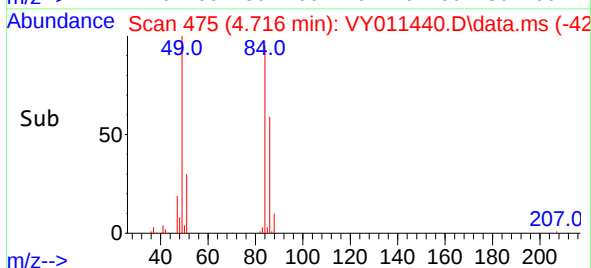
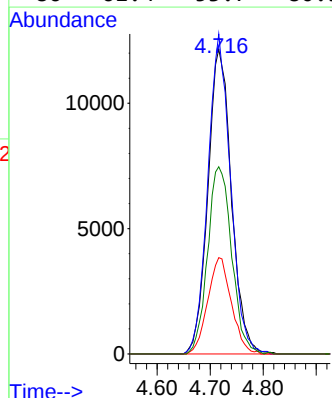
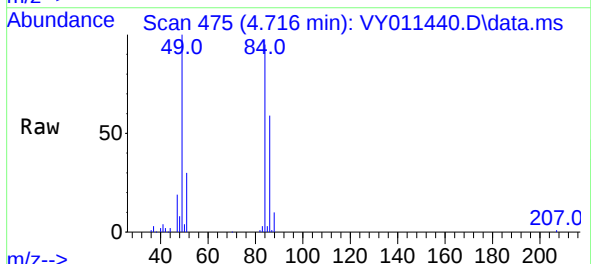
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-111022

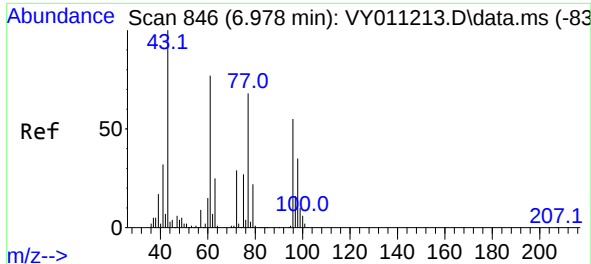
Tgt Ion: 43 Resp: 208
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 5.605 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY011440.D
Acq: 14 Nov 2022 15:25

Tgt Ion: 84 Resp: 37481
Ion Ratio Lower Upper
84 100
49 105.0 114.4 171.6#
51 31.6 35.3 52.9#
86 61.4 53.7 80.5

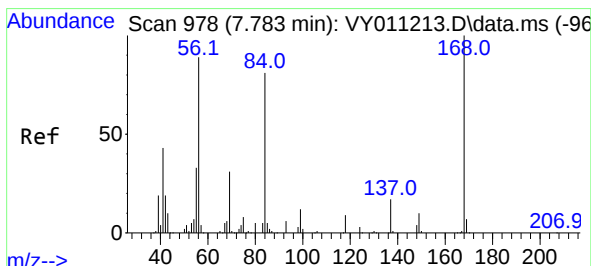
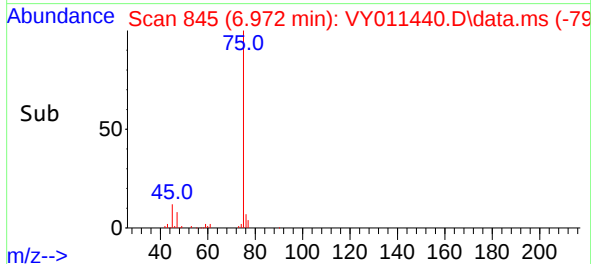
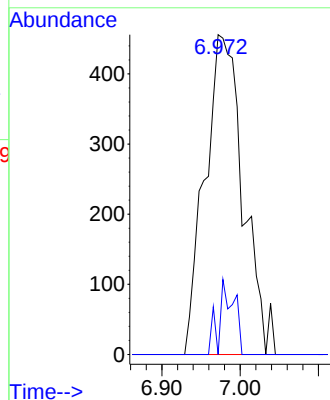
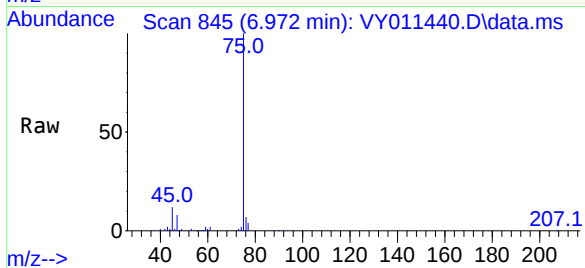




#25
2-Butanone
Concen: 1.931 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011440.D
Acq: 14 Nov 2022 15:25

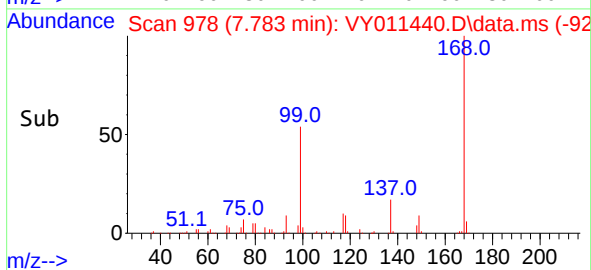
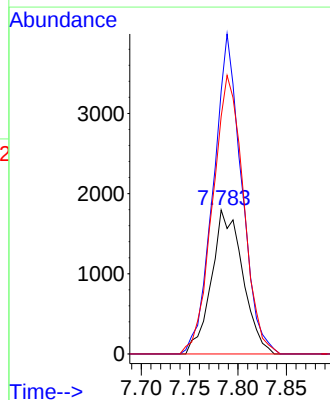
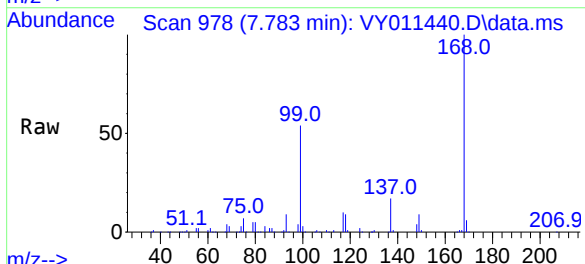
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-111022

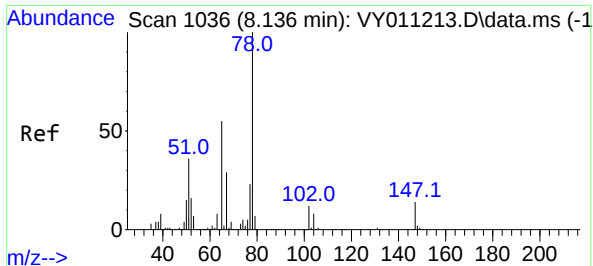
Tgt Ion: 43 Resp: 1547
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.050 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY011440.D
Acq: 14 Nov 2022 15:25

Tgt Ion: 56 Resp: 4022
Ion Ratio Lower Upper
56 100
69 182.6 26.7 40.1#
84 165.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 62.707 ug/l

RT: 8.142 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY011440.D

Acq: 14 Nov 2022 15:25

Instrument :

MSVOA_Y

ClientSampleId :

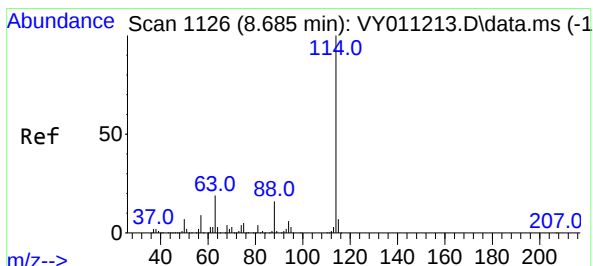
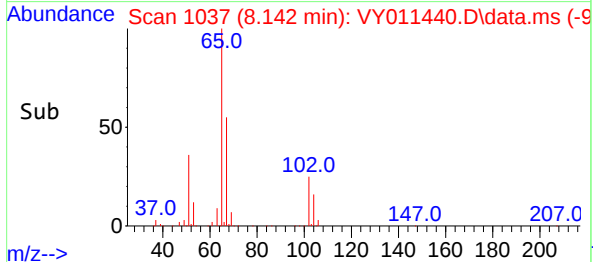
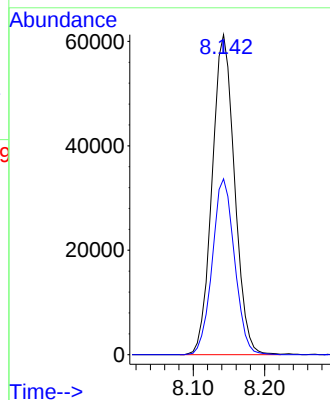
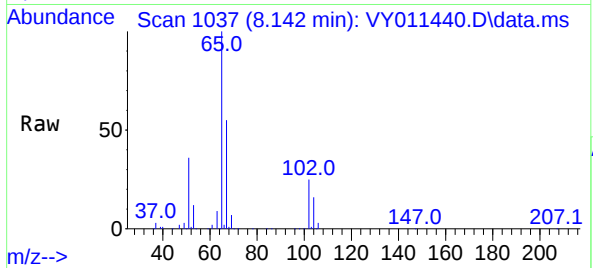
SU-02-111022

Tgt Ion: 65 Resp: 133676

Ion Ratio Lower Upper

65 100

67 54.5 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: VY011440.D

Acq: 14 Nov 2022 15:25

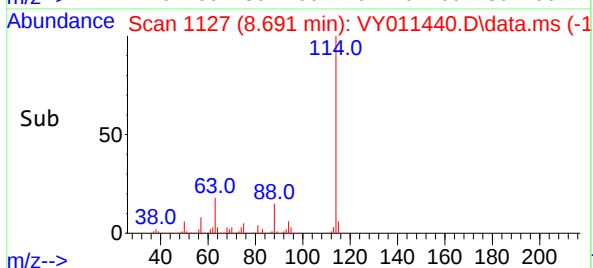
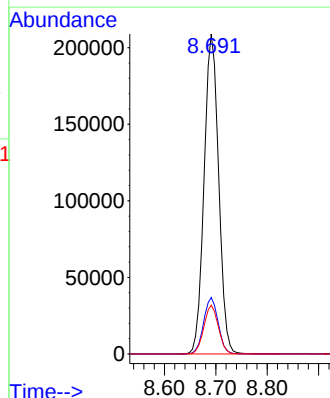
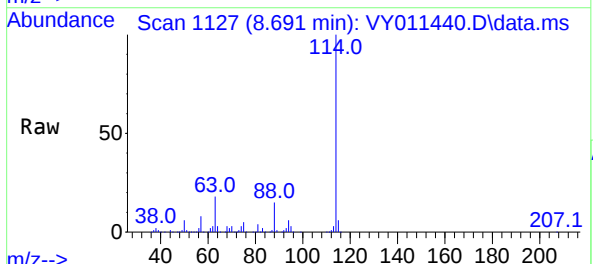
Tgt Ion: 114 Resp: 411247

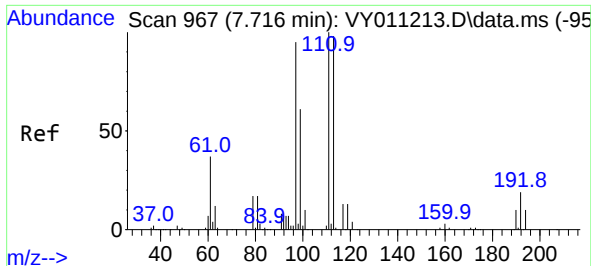
Ion Ratio Lower Upper

114 100

63 17.6 0.0 43.2

88 15.2 0.0 31.8

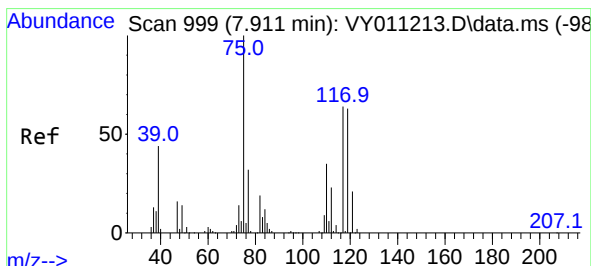
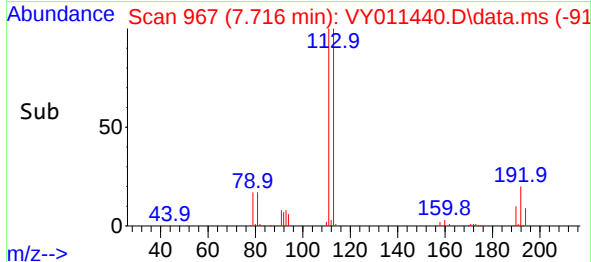
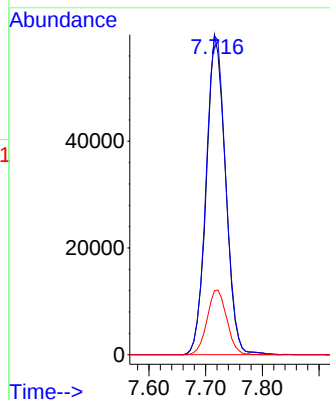
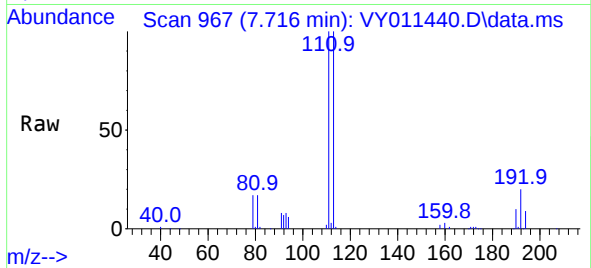




#35
Dibromofluoromethane
Concen: 61.114 ug/l
RT: 7.716 min Scan# 901
Delta R.T. 0.006 min
Lab File: VY011440.D
Acq: 14 Nov 2022 15:25

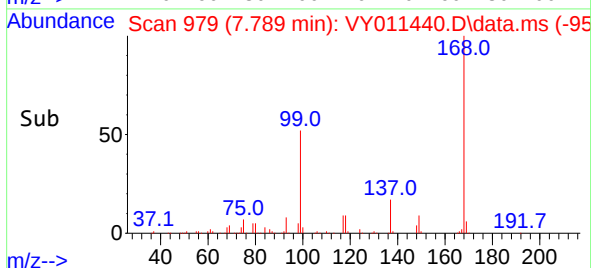
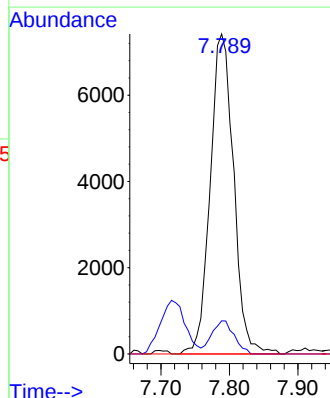
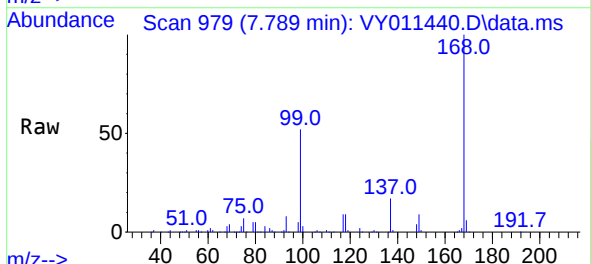
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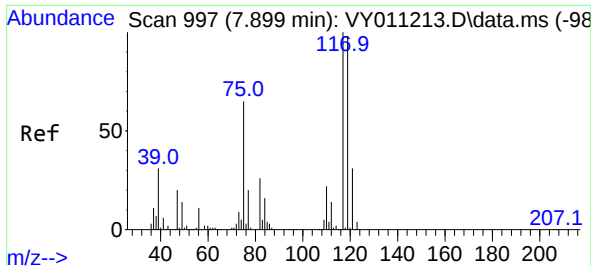
Tgt Ion:113 Resp: 140850
Ion Ratio Lower Upper
113 100
111 102.5 82.6 124.0
192 20.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.926 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011440.D
Acq: 14 Nov 2022 15:25

Tgt Ion: 75 Resp: 17619
Ion Ratio Lower Upper
75 100
110 9.9 17.1 51.2#
77 0.0 24.4 36.6#

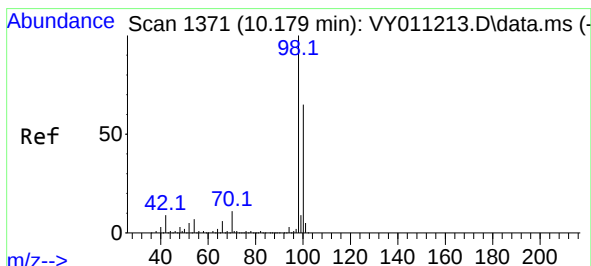
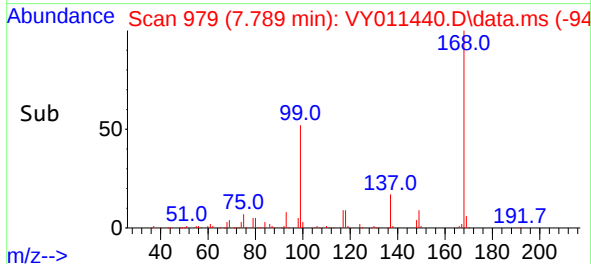
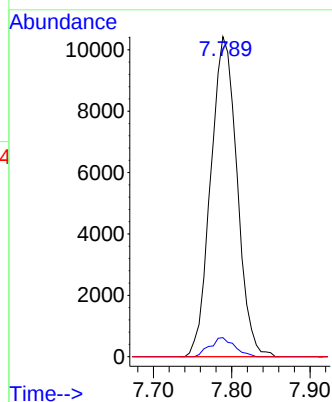
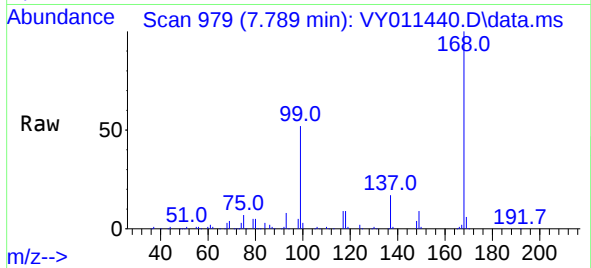




#38
Carbon Tetrachloride
Concen: 6.271 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011440.D
Acq: 14 Nov 2022 15:25

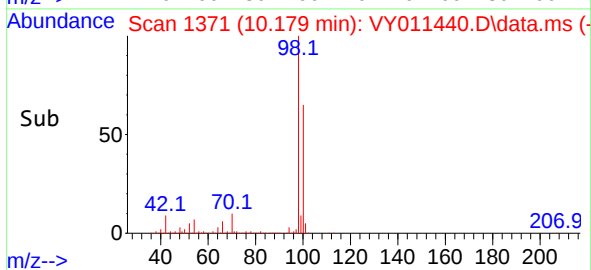
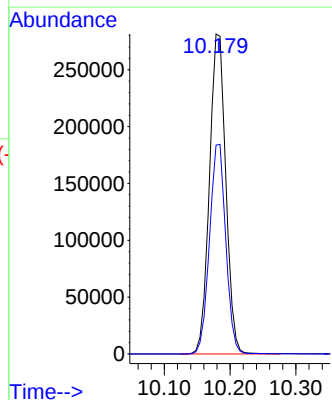
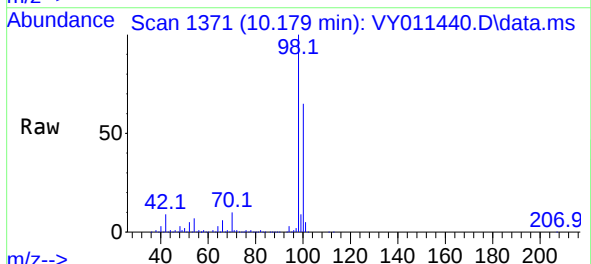
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-111022

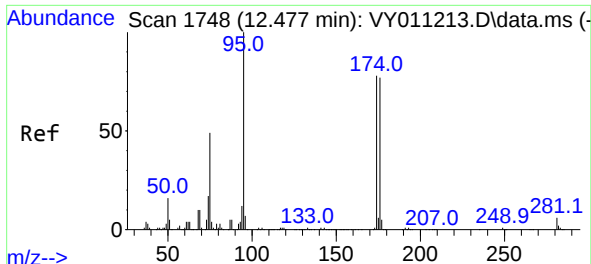
Tgt Ion:117 Resp: 24402
Ion Ratio Lower Upper
117 100
119 6.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 55.334 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011440.D
Acq: 14 Nov 2022 15:25

Tgt Ion: 98 Resp: 487203
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2

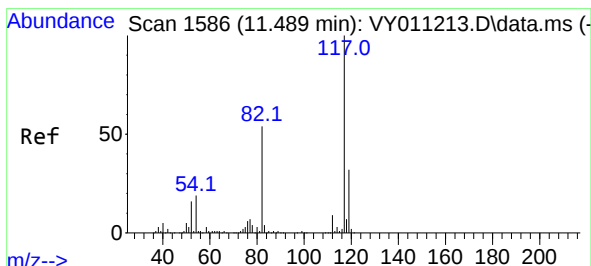
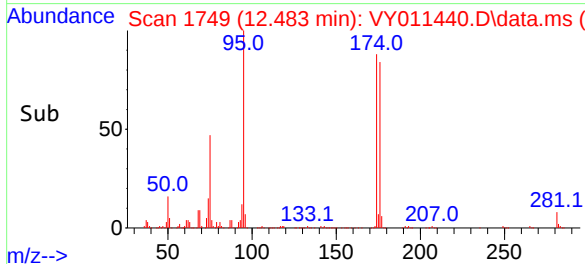
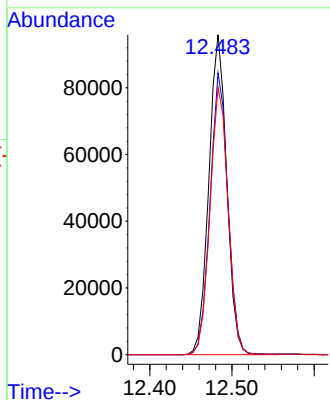
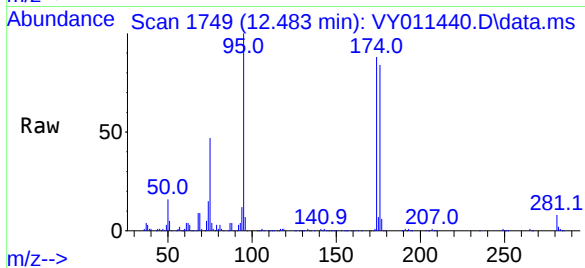




#62
4-Bromofluorobenzene
Concen: 47.180 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011440.D
Acq: 14 Nov 2022 15:25

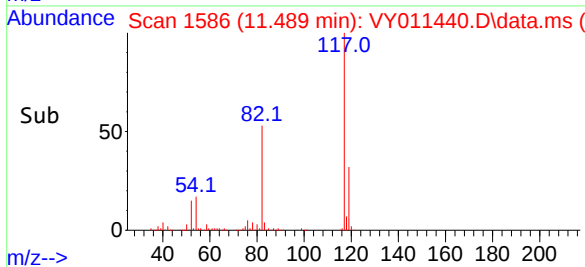
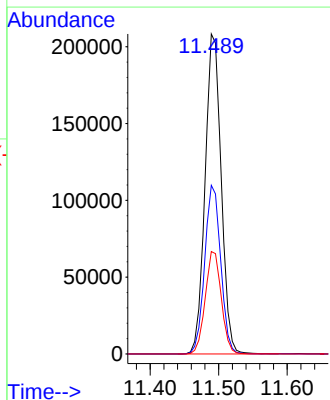
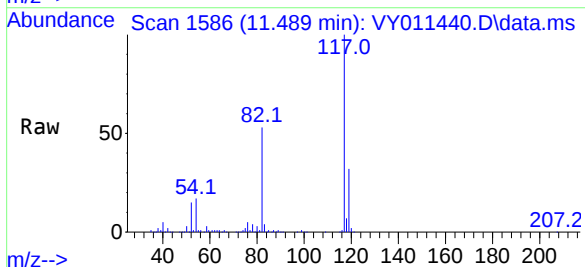
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-111022

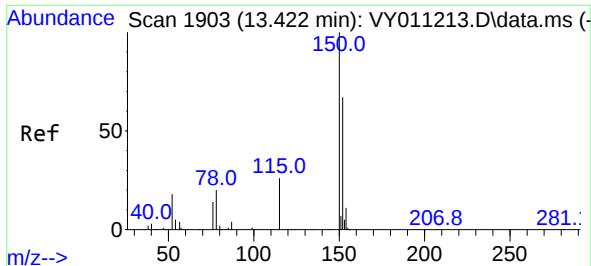
Tgt Ion: 95 Resp: 144889
Ion Ratio Lower Upper
95 100
174 88.1 0.0 177.0
176 84.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011440.D
Acq: 14 Nov 2022 15:25

Tgt Ion:117 Resp: 341443
Ion Ratio Lower Upper
117 100
82 52.7 43.0 64.4
119 32.0 25.4 38.0

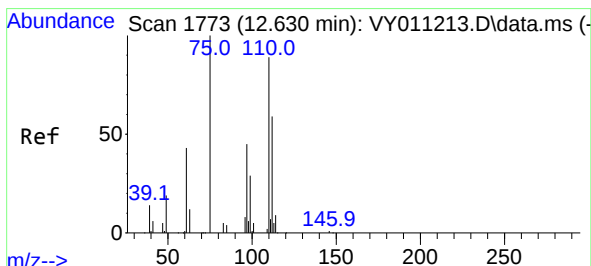
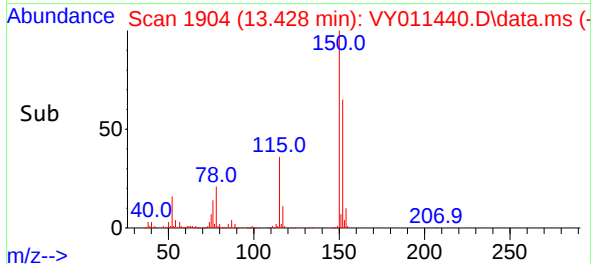
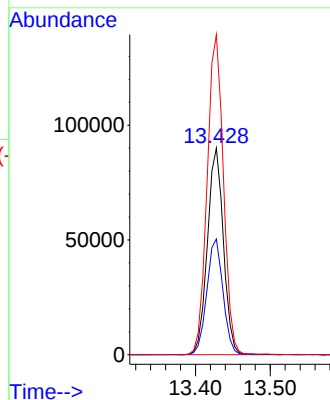
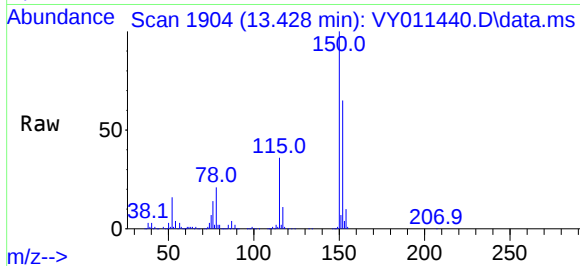




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY011440.D
 Acq: 14 Nov 2022 15:25

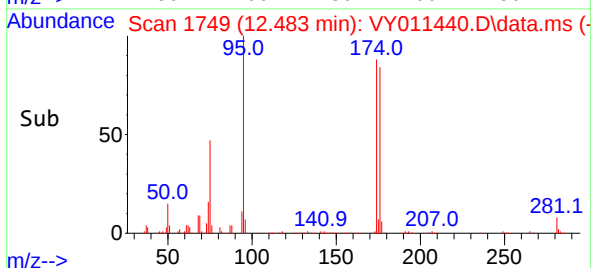
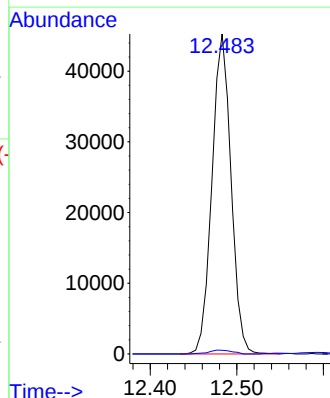
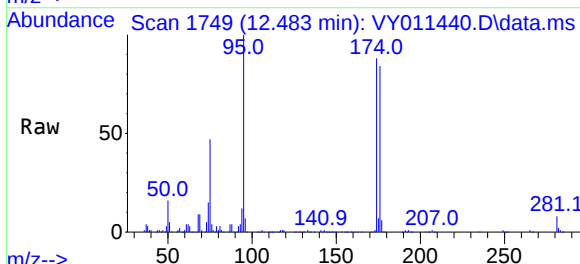
Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-02-111022

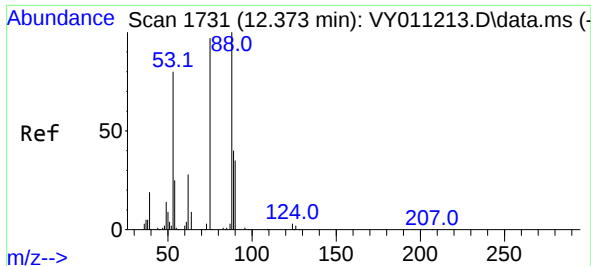
Tgt Ion:152 Resp: 134052
 Ion Ratio Lower Upper
 152 100
 115 56.7 28.2 84.7
 150 157.4 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 44.531 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY011440.D
 Acq: 14 Nov 2022 15:25

Tgt Ion: 75 Resp: 69099
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#

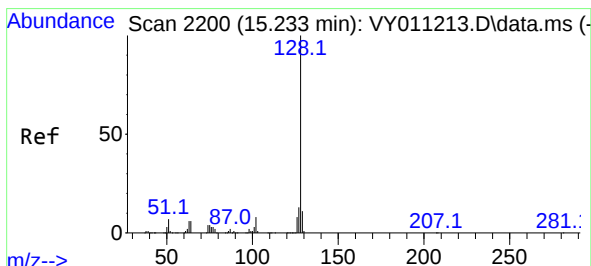
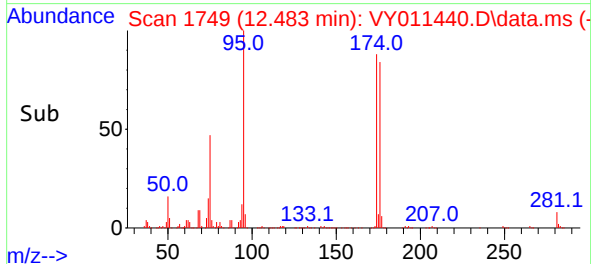
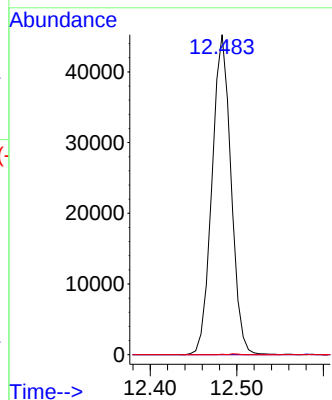
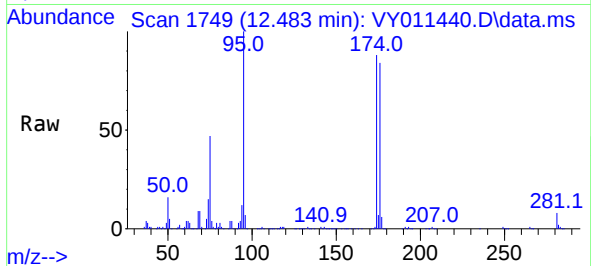




#81
trans-1,4-Dichloro-2-butene
Concen: 107.040 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011440.D
Acq: 14 Nov 2022 15:25

Instrument :
MSVOA_Y
ClientSampleId :
SU-02-111022

Tgt Ion: 75 Resp: 69099
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#



#95
Naphthalene
Concen: 3.502 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.006 min
Lab File: VY011440.D
Acq: 14 Nov 2022 15:25

Tgt Ion:128 Resp: 1228
Ion Ratio Lower Upper
128 100
127 8.8 11.0 16.4#
129 0.0 8.4 12.6#

