

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120222\
 Data File : VY011681.D
 Acq On : 02 Dec 2022 14:25
 Operator : KP/MD
 Sample : N5863-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 02 23:52:33 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)

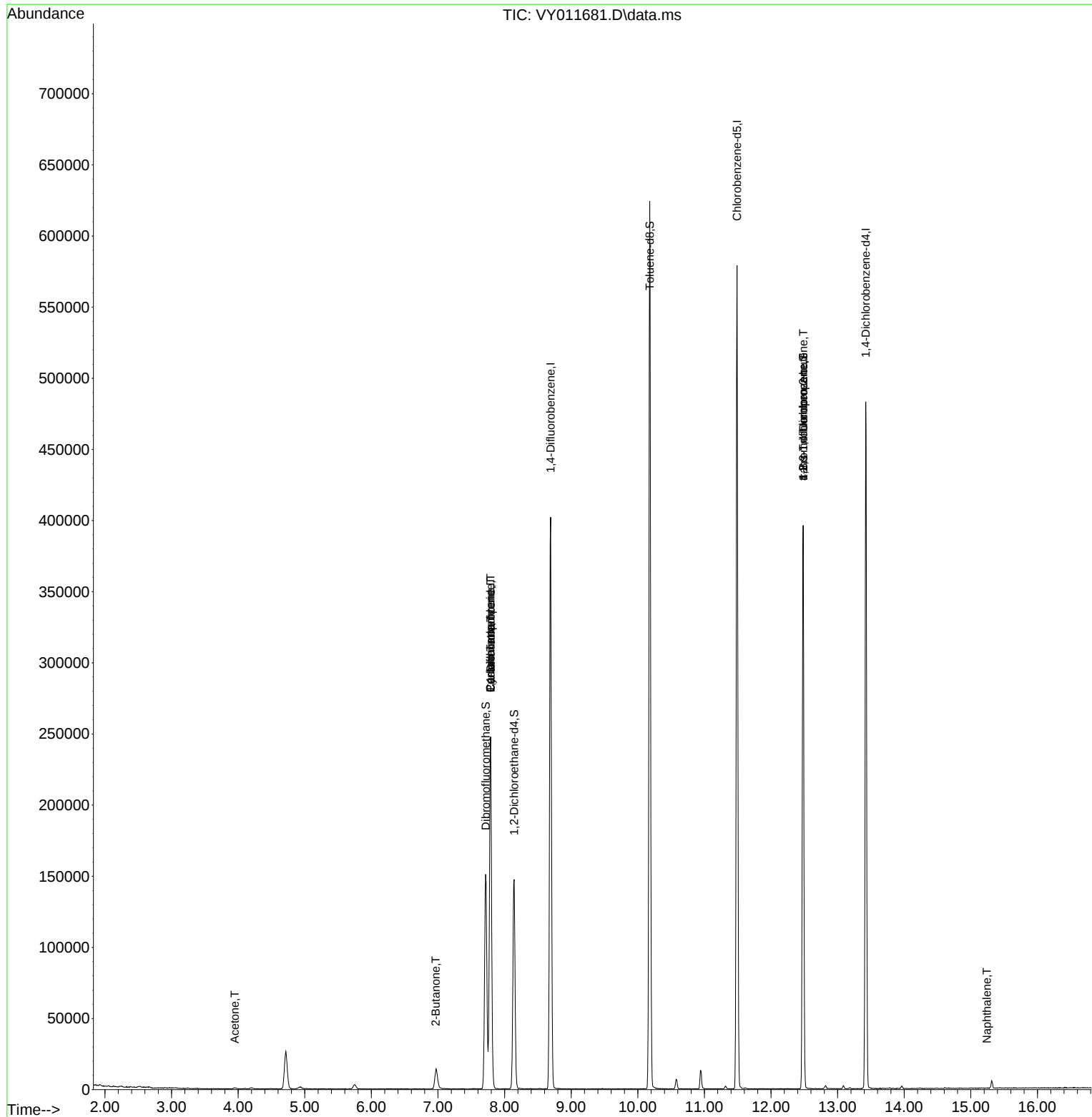
Internal Standards						
1) Pentafluorobenzene	7.789	168	184377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	332738	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	307844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	123956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	115931	61.924	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.840%	
35) Dibromofluoromethane	7.716	113	108188	52.818	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.640%	
50) Toluene-d8	10.179	98	405722	54.508	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 109.020%	
62) 4-Bromofluorobenzene	12.483	95	119394	43.384	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.760%	
Target Compounds						
2) Dichlorodifluoromethane	1.900	85	19	Below Cal	#	Qvalue 43
3) Chloromethane	2.125	50	248	Below Cal	#	44
5) Bromomethane	2.668	94	222	Below Cal	#	77
11) Tert butyl alcohol	4.924	59	1800	Below Cal	#	77
16) Acetone	3.948	43	1312	2.158	ug/l	92
18) Methyl Acetate	4.485	43	341	Below Cal	#	56
20) Methylene Chloride	4.716	84	19544	Below Cal		89
25) 2-Butanone	6.966	43	894	1.119	ug/l	# 54
31) Cyclohexane	7.789	56	3896	1.256	ug/l	# 1
36) 1,1-Dichloropropene	7.789	75	14844	4.636	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	19432	5.425	ug/l	# 16
76) 1,2,3-Trichloropropane	12.483	75	62711	46.977	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	62711	102.896	ug/l	# 7
95) Naphthalene	15.239	128	282	4.079	ug/l	# 78

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

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QLast Update : Sat Nov 19 22:37:14 2022
Response via : Initial Calibration

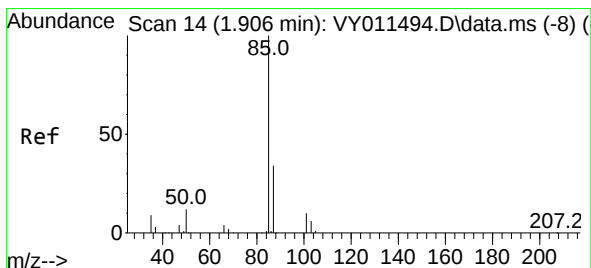
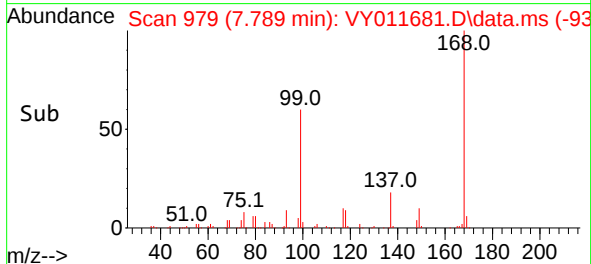
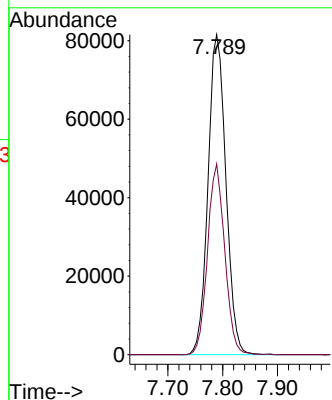
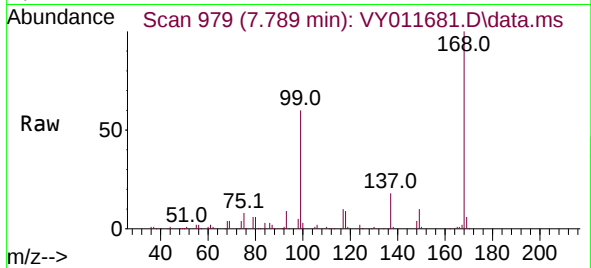




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011681.D
Acq: 02 Dec 2022 14:25

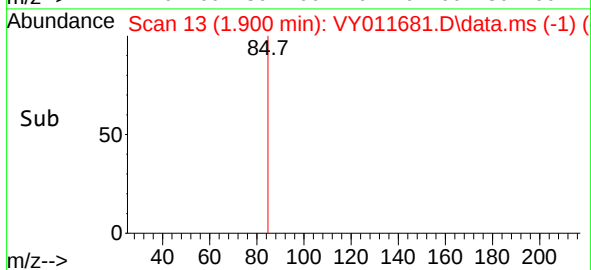
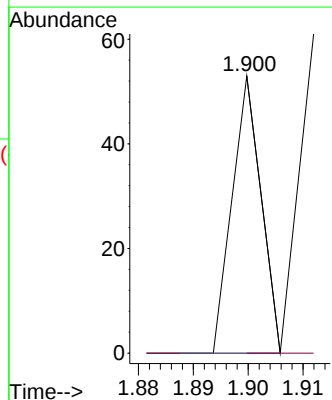
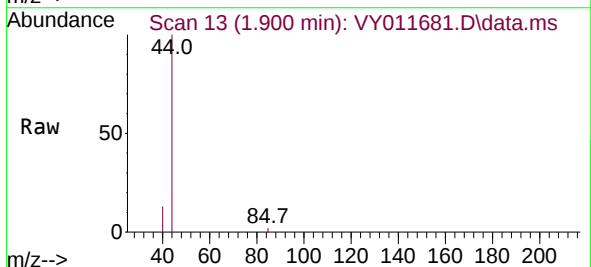
Instrument :
MSVOA_Y
ClientSampleId :

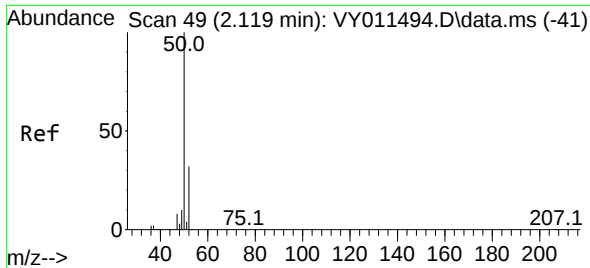
Tgt Ion:168 Resp: 184377
Ion Ratio Lower Upper
168 100
99 59.6 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011681.D
Acq: 02 Dec 2022 14:25

Tgt Ion: 85 Resp: 19
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

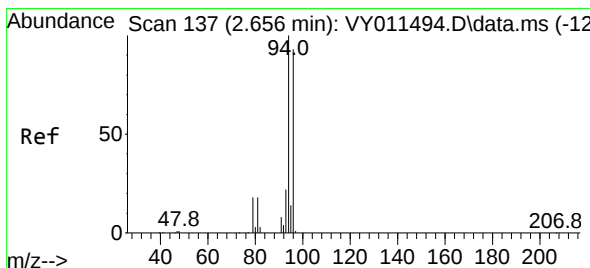
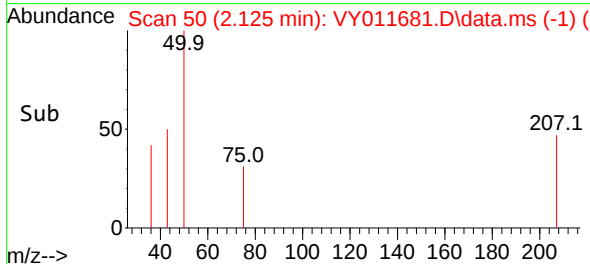
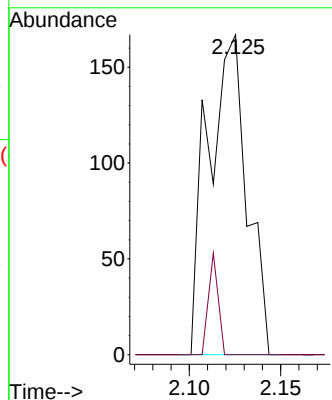
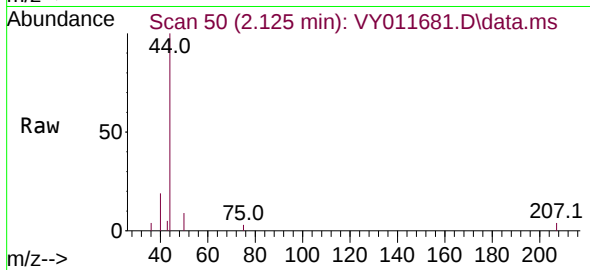




#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY011681.D
Acq: 02 Dec 2022 14:25

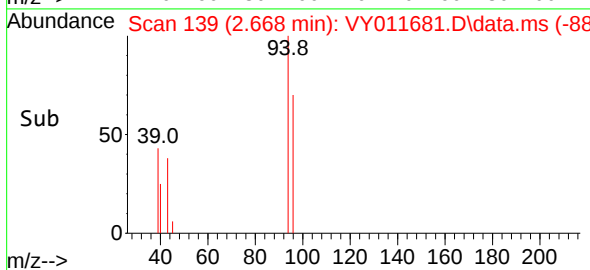
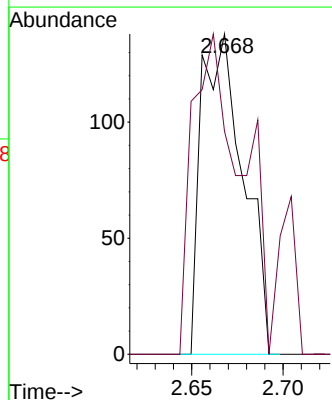
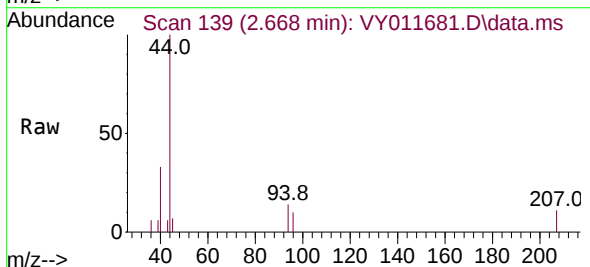
Instrument :
MSVOA_Y
ClientSampleId :

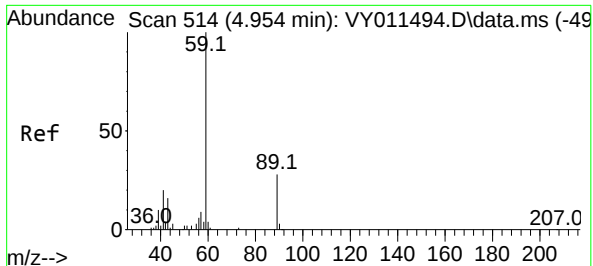
Tgt Ion: 50 Resp: 248
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY011681.D
Acq: 02 Dec 2022 14:25

Tgt Ion: 94 Resp: 222
Ion Ratio Lower Upper
94 100
96 69.6 73.5 110.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.924 min Scan# 509

Delta R.T. -0.030 min

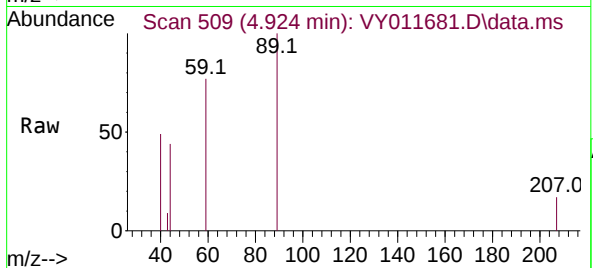
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Acq: 02 Dec 2022 14:25

Instrument :

MSVOA_Y

ClientSampleId :

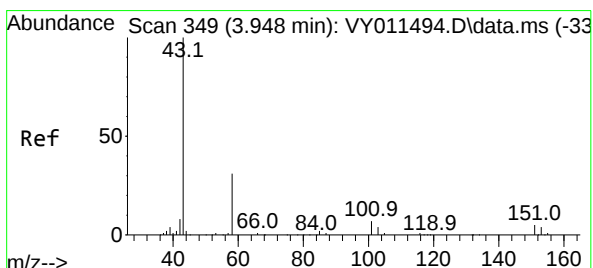
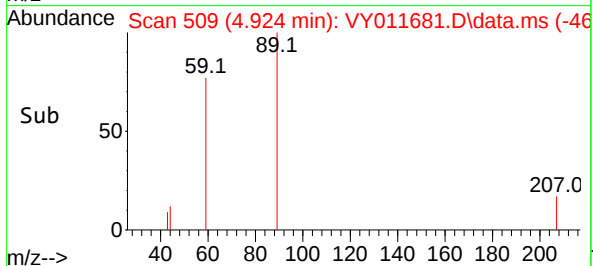
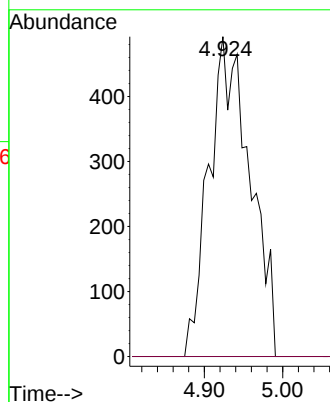


Tgt Ion: 59 Resp: 1800

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 2.158 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY011681.D

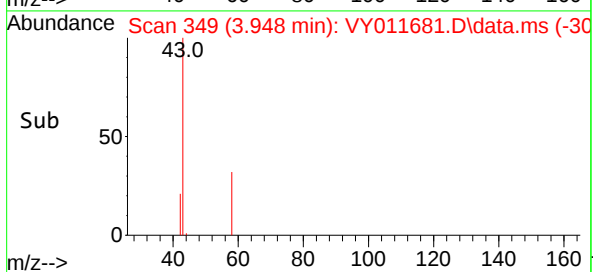
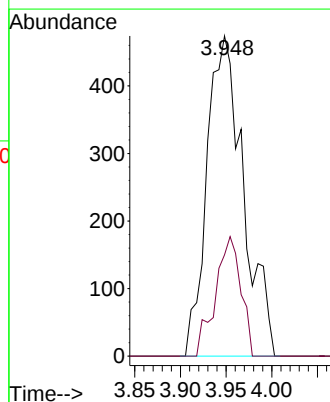
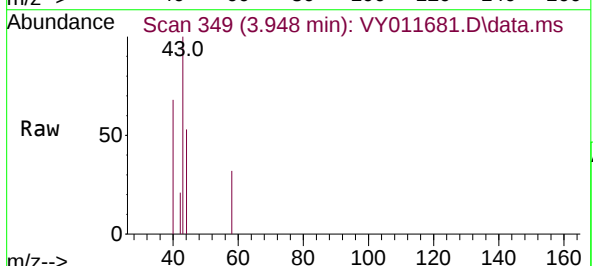
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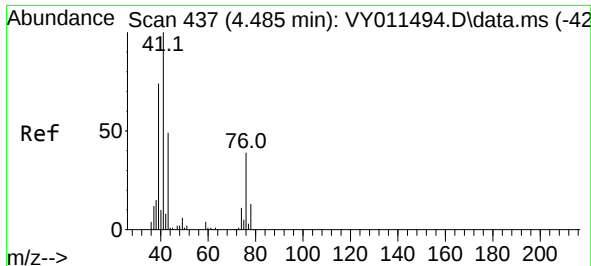
Tgt Ion: 43 Resp: 1312

Ion Ratio Lower Upper

43 100

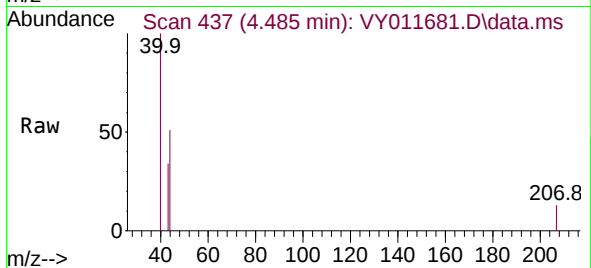
58 31.6 22.0 33.0



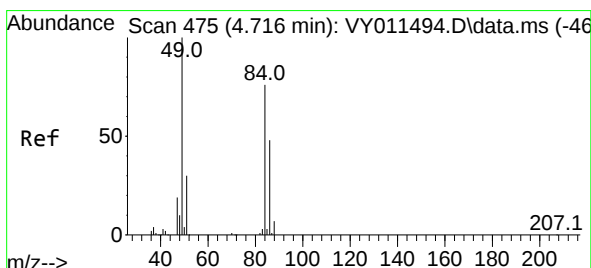
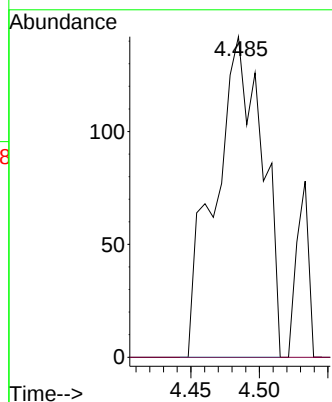
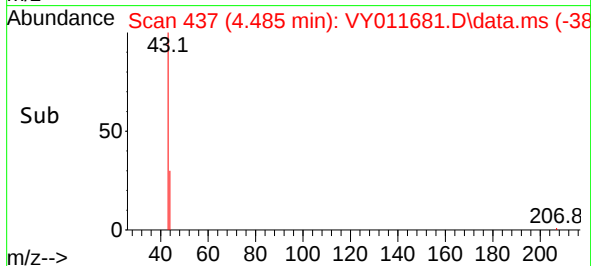


#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY011681.D
Acq: 02 Dec 2022 14:25

Instrument :
MSVOA_Y
ClientSampleId :

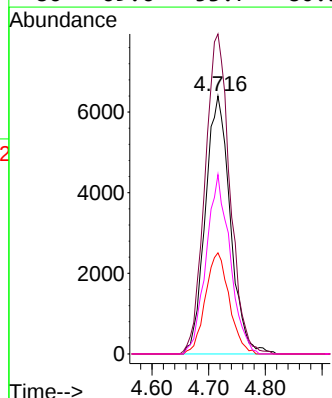
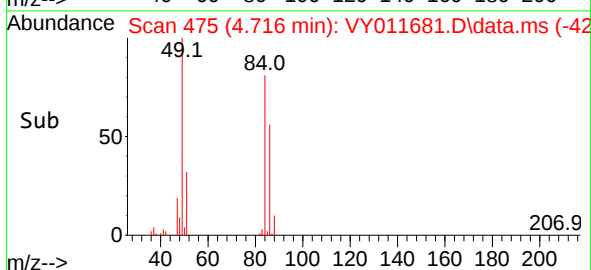
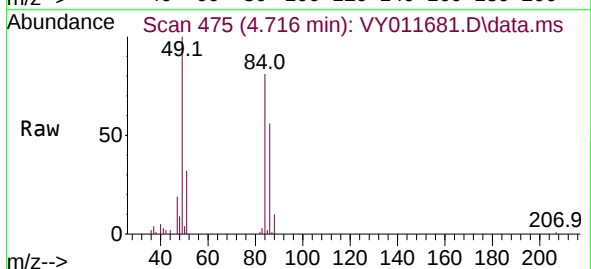


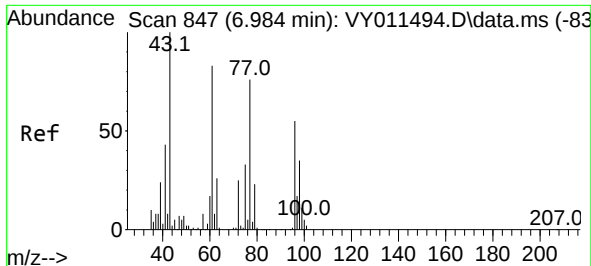
Tgt Ion: 43 Resp: 341
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011681.D
Acq: 02 Dec 2022 14:25

Tgt Ion: 84 Resp: 19544
Ion Ratio Lower Upper
84 100
49 124.1 114.4 171.6
51 39.2 35.3 52.9
86 69.6 53.7 80.5

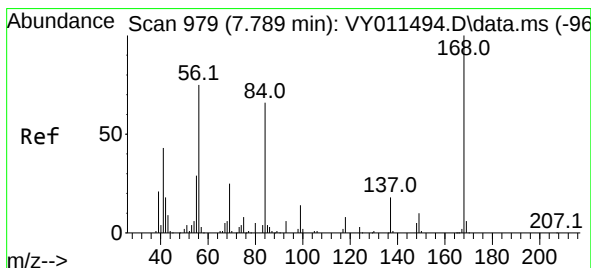
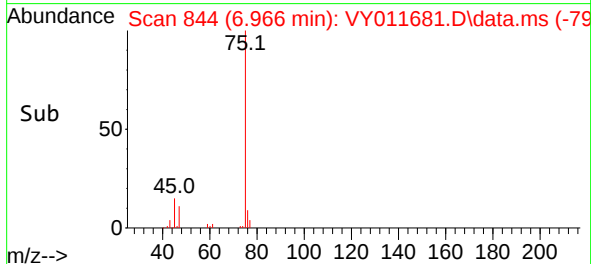
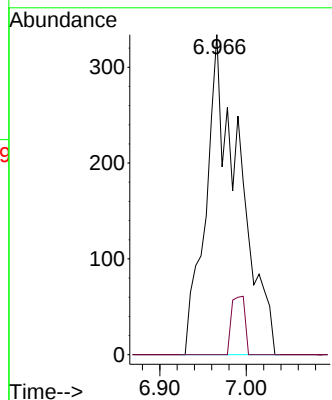
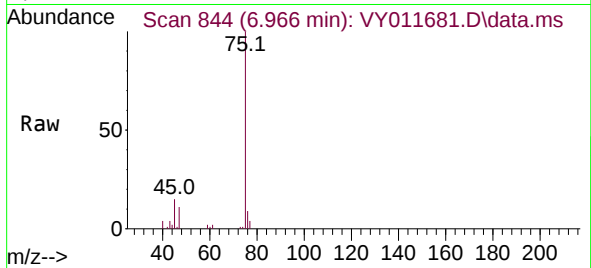




#25
2-Butanone
Concen: 1.119 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.018 min
Lab File: VY011681.D
Acq: 02 Dec 2022 14:25

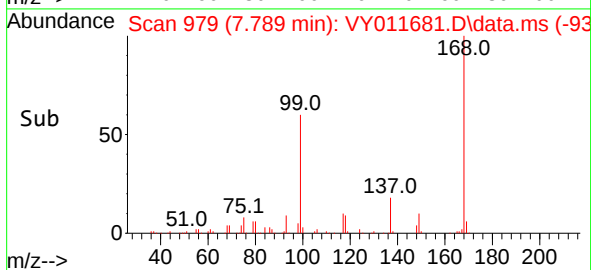
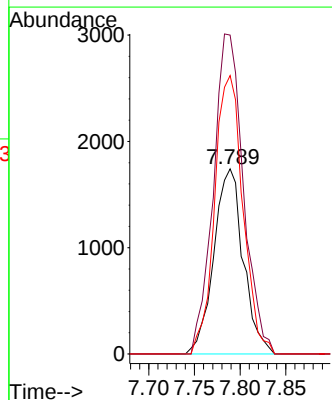
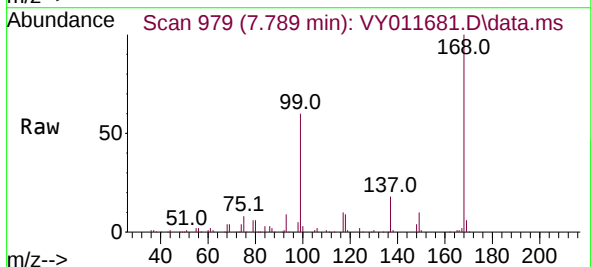
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MSVOA_Y
ClientSampleId :

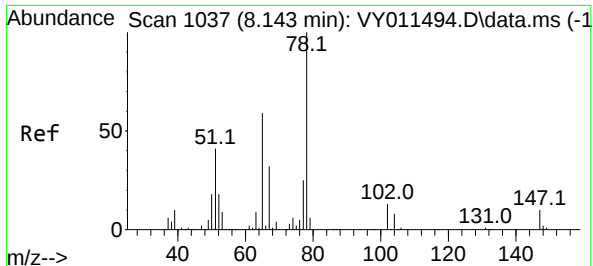
Tgt Ion: 43 Resp: 894
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: 1.256 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY011681.D
Acq: 02 Dec 2022 14:25

Tgt Ion: 56 Resp: 3896
Ion Ratio Lower Upper
56 100
69 172.3 26.7 40.1#
84 150.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 61.924 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011681.D

Acq: 02 Dec 2022 14:25

Instrument :

MSVOA_Y

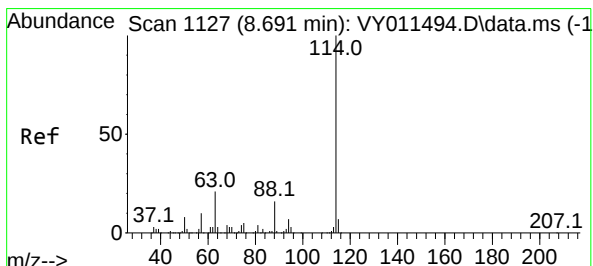
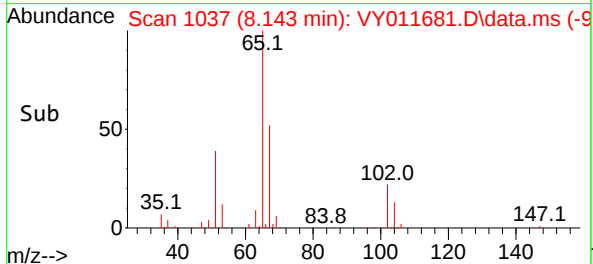
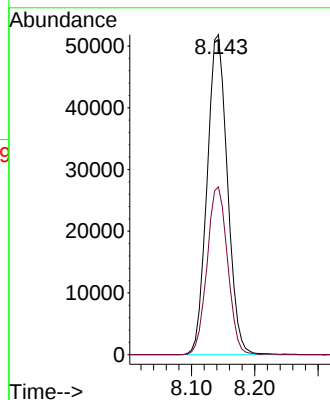
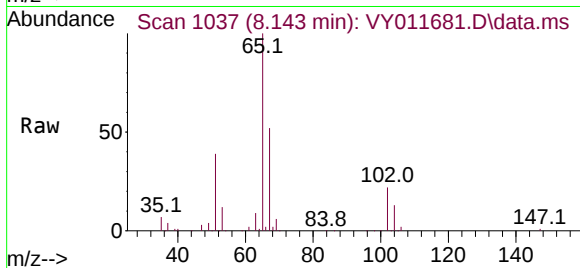
ClientSampleId :

Tgt Ion: 65 Resp: 115931

Ion Ratio Lower Upper

65 100

67 52.9 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: VY011681.D

Acq: 02 Dec 2022 14:25

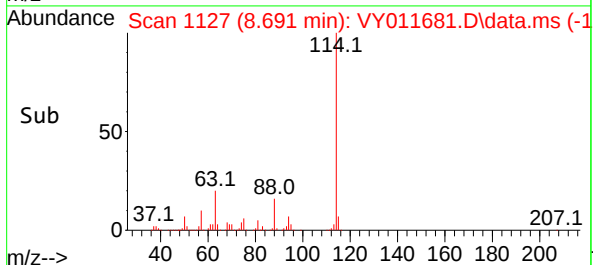
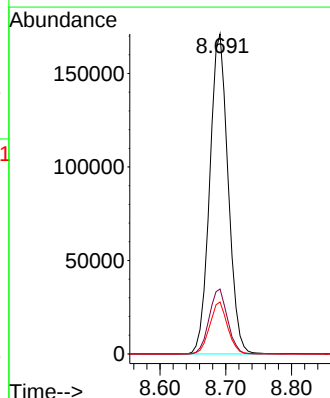
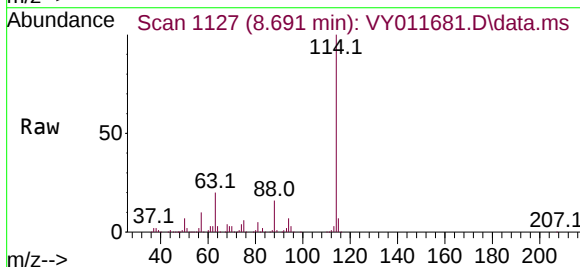
Tgt Ion: 114 Resp: 332738

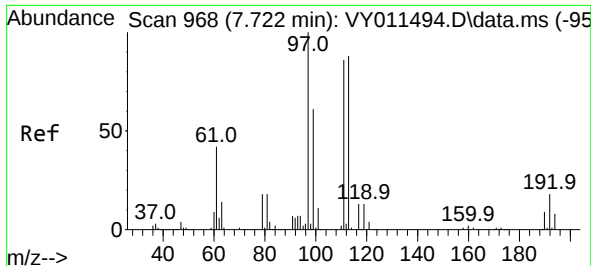
Ion Ratio Lower Upper

114 100

63 20.3 0.0 43.2

88 16.3 0.0 31.8





#35

Dibromofluoromethane

Concen: 52.818 ug/l

RT: 7.716 min Scan# 91

Delta R.T. -0.006 min

Lab File: VY011681.D

Acq: 02 Dec 2022 14:25

Instrument :

MSVOA_Y

ClientSampleId :

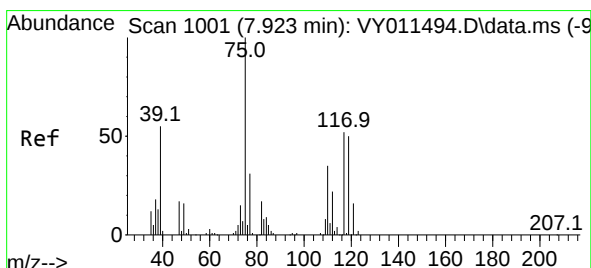
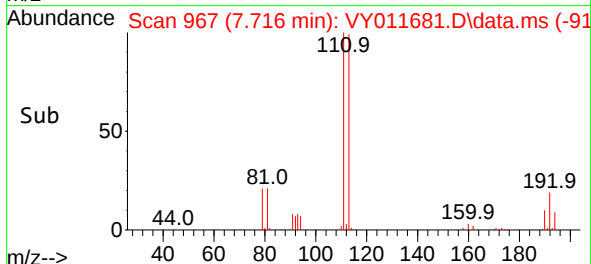
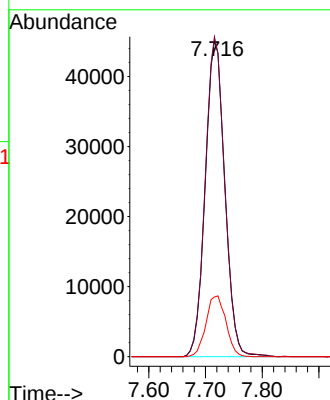
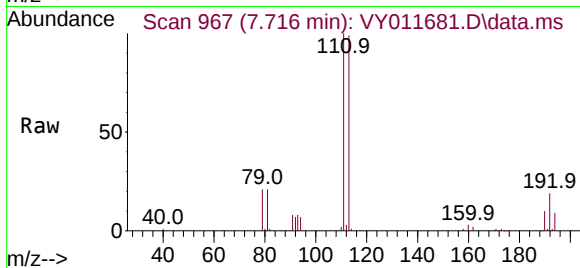
Tgt Ion:113 Resp: 108188

Ion Ratio Lower Upper

113 100

111 100.8 82.6 124.0

192 19.6 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.636 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.134 min

Lab File: VY011681.D

Acq: 02 Dec 2022 14:25

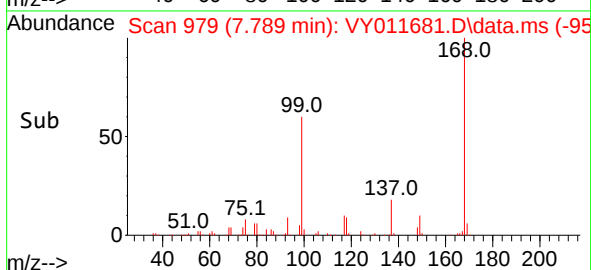
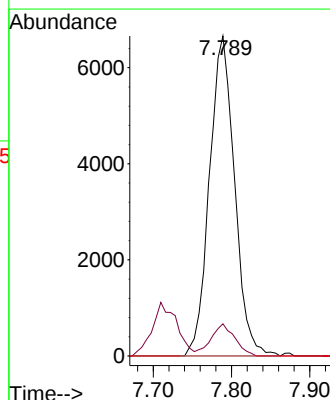
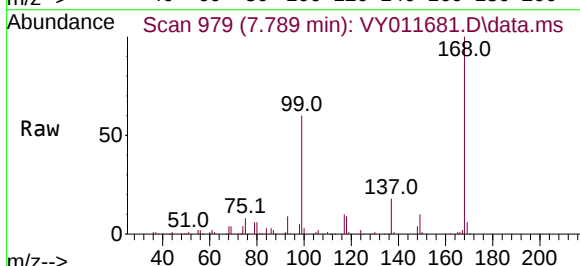
Tgt Ion: 75 Resp: 14844

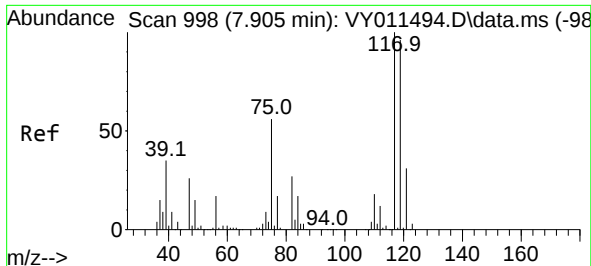
Ion Ratio Lower Upper

75 100

110 9.5 17.1 51.2#

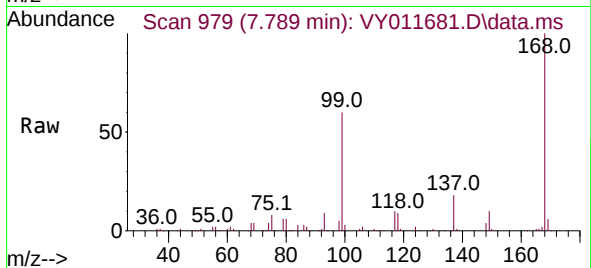
77 0.0 24.4 36.6#



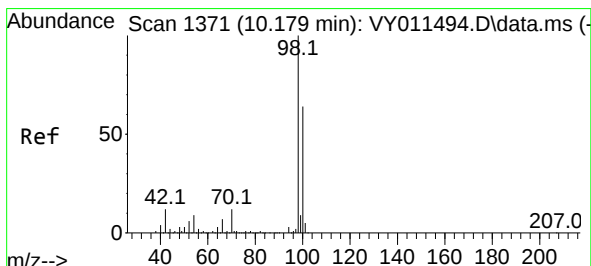
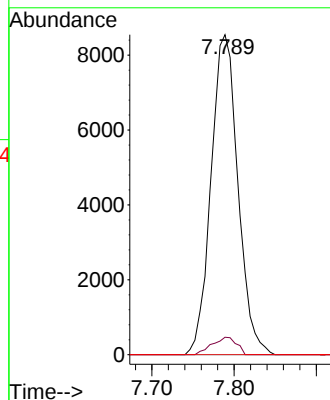
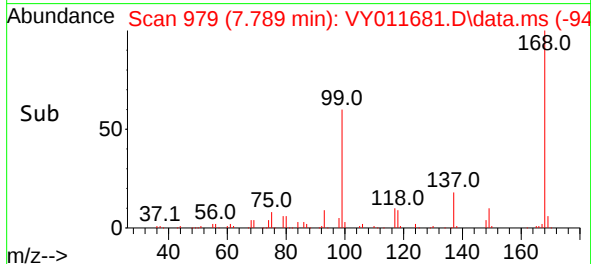


#38
Carbon Tetrachloride
Concen: 5.425 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011681.D
Acq: 02 Dec 2022 14:25

Instrument :
MSVOA_Y
ClientSampleId :

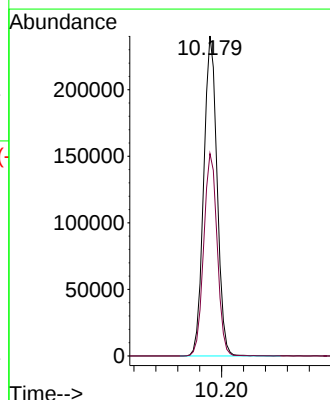
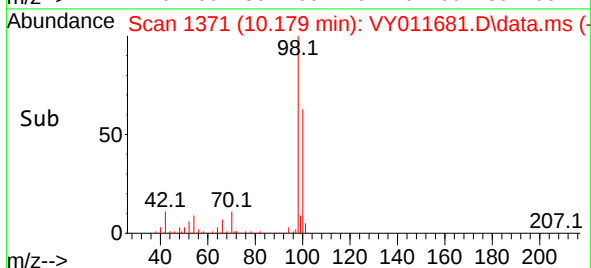
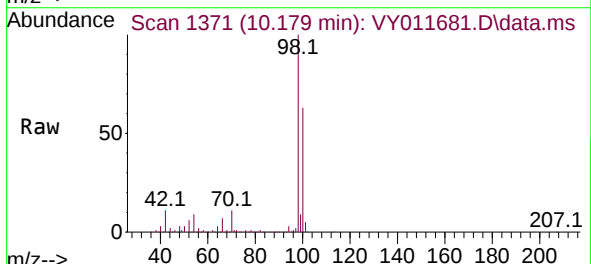


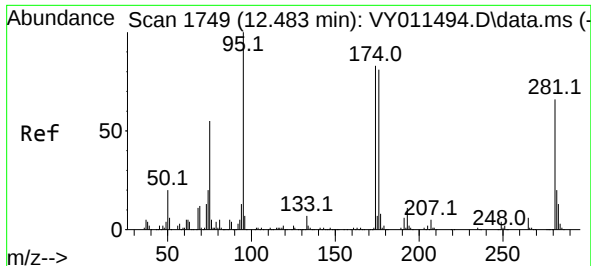
Tgt Ion:117 Resp: 19432
Ion Ratio Lower Upper
117 100
119 5.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.508 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011681.D
Acq: 02 Dec 2022 14:25

Tgt Ion: 98 Resp: 405722
Ion Ratio Lower Upper
98 100
100 63.7 50.2 75.2

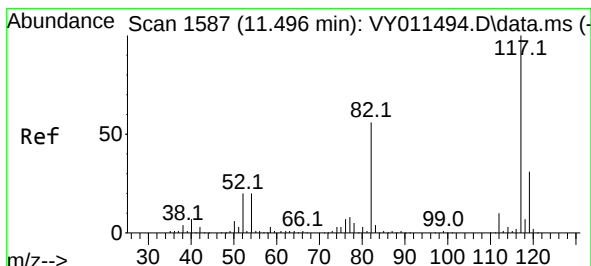
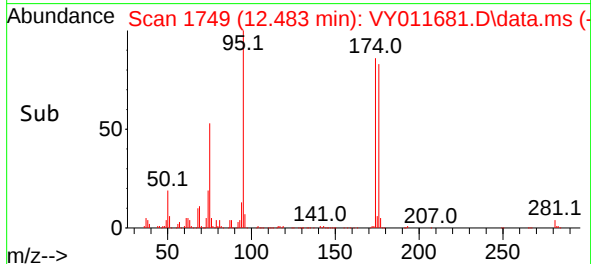
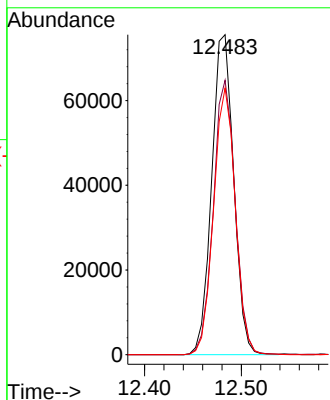
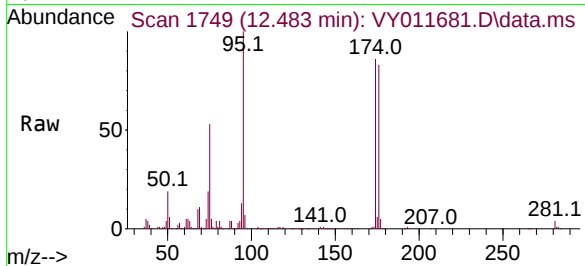




#62
4-Bromofluorobenzene
Concen: 43.384 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011681.D
Acq: 02 Dec 2022 14:25

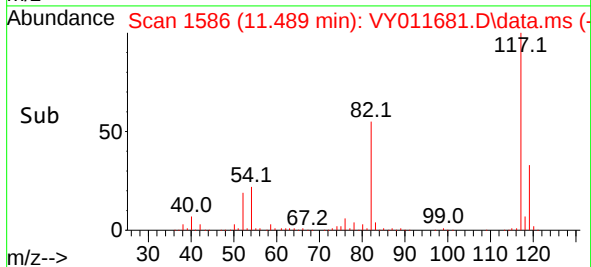
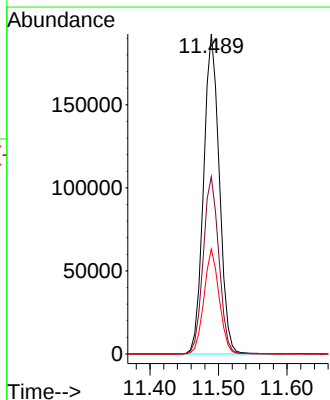
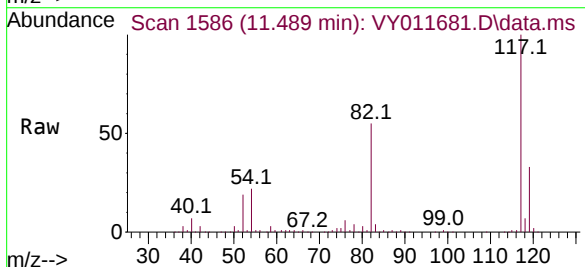
Instrument :
MSVOA_Y
ClientSampleId :

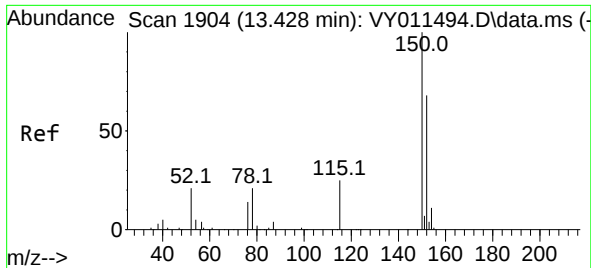
Tgt Ion: 95 Resp: 119394
Ion Ratio Lower Upper
95 100
174 85.4 0.0 177.0
176 82.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.007 min
Lab File: VY011681.D
Acq: 02 Dec 2022 14:25

Tgt Ion: 117 Resp: 307844
Ion Ratio Lower Upper
117 100
82 55.4 43.0 64.4
119 32.8 25.4 38.0

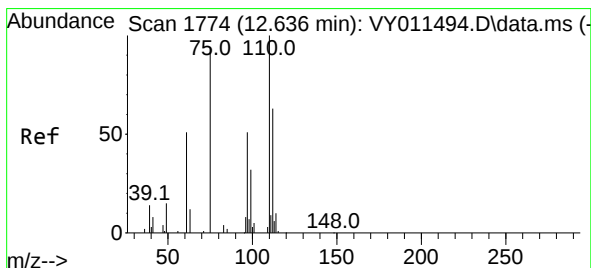
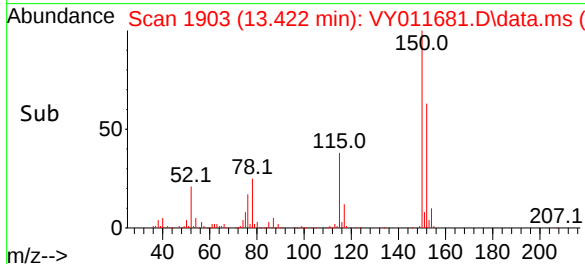
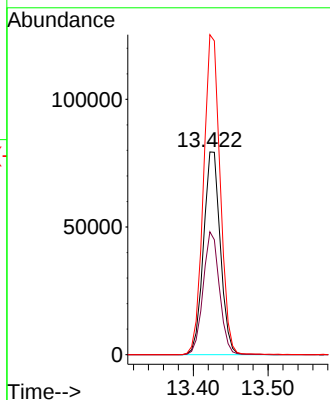
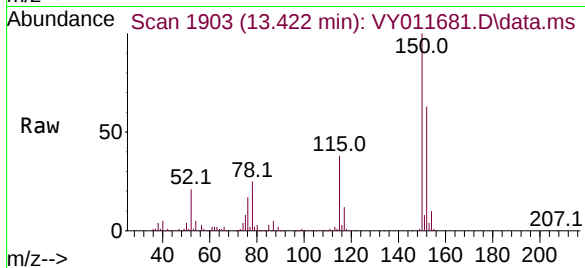




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY011681.D
 Acq: 02 Dec 2022 14:25

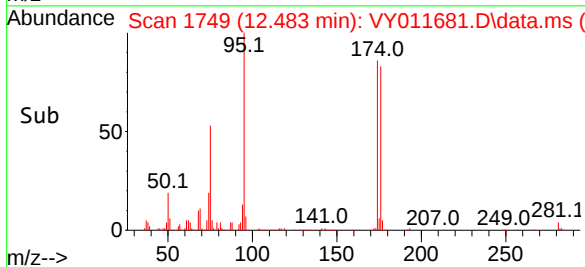
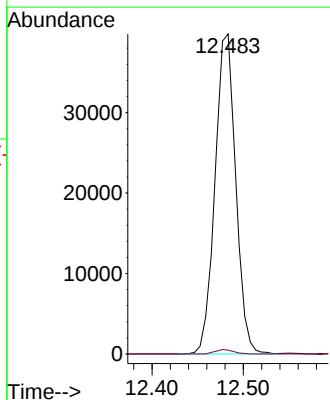
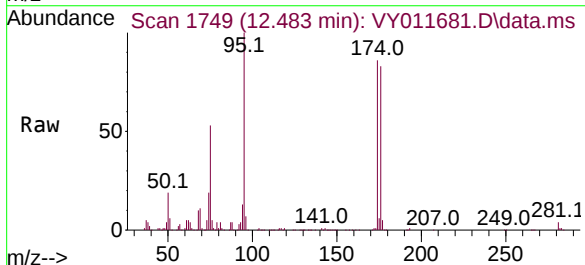
Instrument :
 MSVOA_Y
 ClientSampleId :

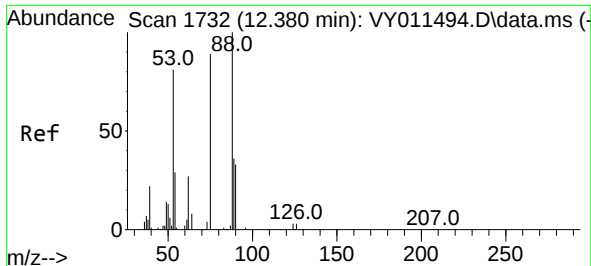
Tgt Ion:152 Resp: 123956
 Ion Ratio Lower Upper
 152 100
 115 58.7 28.2 84.7
 150 156.2 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 46.977 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY011681.D
 Acq: 02 Dec 2022 14:25

Tgt Ion: 75 Resp: 62711
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#

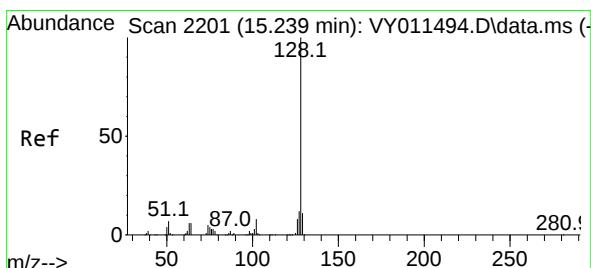
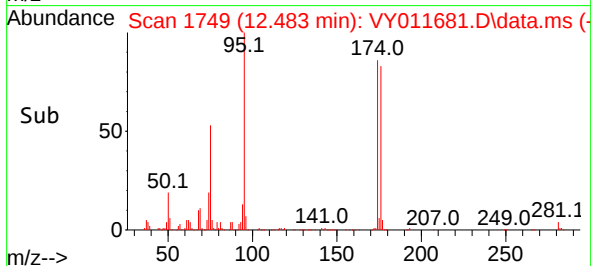
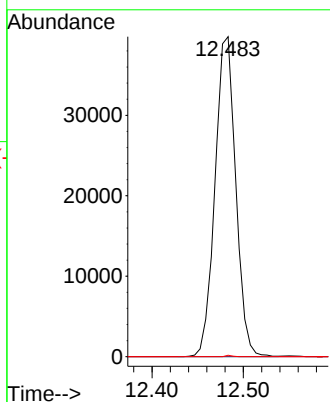
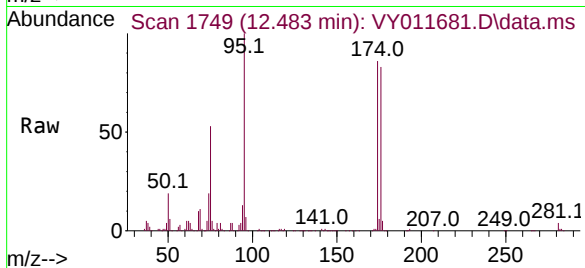




#81
trans-1,4-Dichloro-2-butene
Concen: 102.896 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011681.D
Acq: 02 Dec 2022 14:25

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 62711
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#



#95
Naphthalene
Concen: 4.079 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011681.D
Acq: 02 Dec 2022 14:25

Tgt Ion: 128 Resp: 282
Ion Ratio Lower Upper
128 100
127 6.7 11.0 16.4#
129 0.0 8.4 12.6#

