

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010623\
 Data File : VY012097.D
 Acq On : 06 Jan 2023 17:24
 Operator : KP/MD
 Sample : 01043-04
 Misc : 6.21g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-202

Quant Time: Jan 07 01:49:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010623S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 07 01:46:48 2023
 Response via : Initial Calibration

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

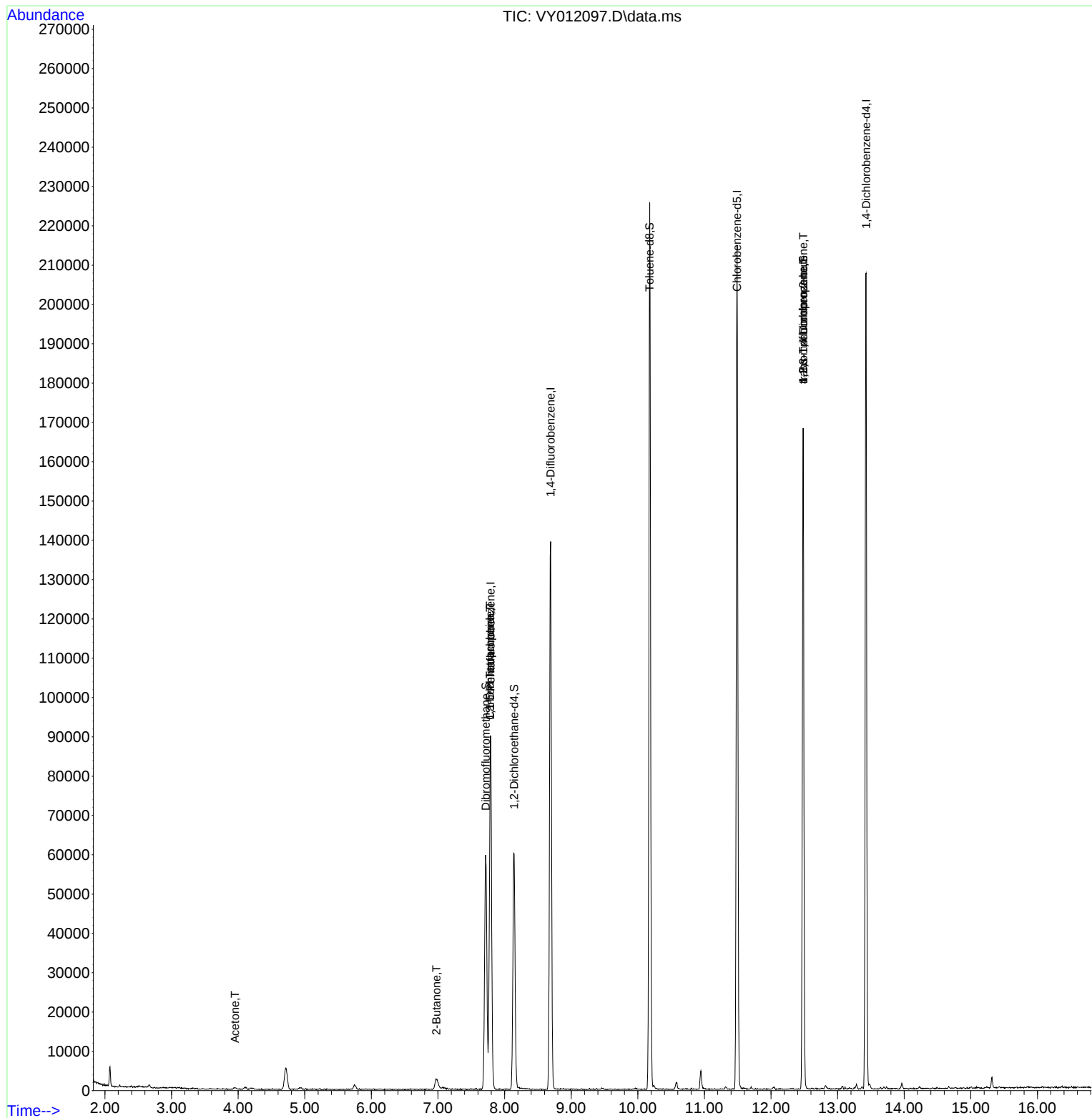
Internal Standards						
1) Pentafluorobenzene	7.789	168	72027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	123616	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	122746	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	56467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	52325	64.652	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	129.300%
35) Dibromofluoromethane	7.716	113	41052	50.525	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.060%
50) Toluene-d8	10.179	98	151056	47.102	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	94.200%
62) 4-Bromofluorobenzene	12.483	95	50001	44.605	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.200%
Target Compounds						
3) Chloromethane	2.119	50	210	Below Cal	#	85
5) Bromomethane	2.662	94	262	Below Cal	#	80
11) Tert butyl alcohol	4.948	59	180	Below Cal	#	74
16) Acetone	3.954	43	711	3.734	ug/l	99
25) 2-Butanone	6.978	43	438	1.744	ug/l	# 46
31) Cyclohexane	7.777	56	1326	Below Cal	#	45
36) 1,1-Dichloropropene	7.783	75	5065	4.109	ug/l	# 51
38) Carbon Tetrachloride	7.783	117	6996	4.471	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	26401	40.948	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	26401	90.940	ug/l	# 13

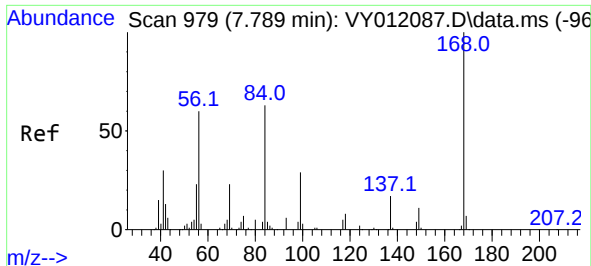
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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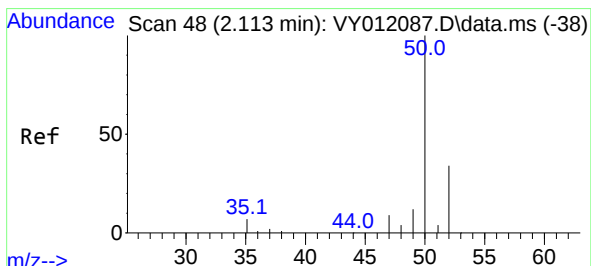
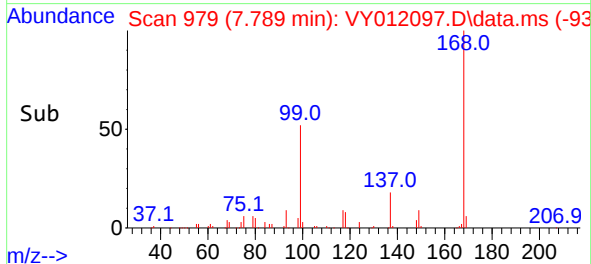
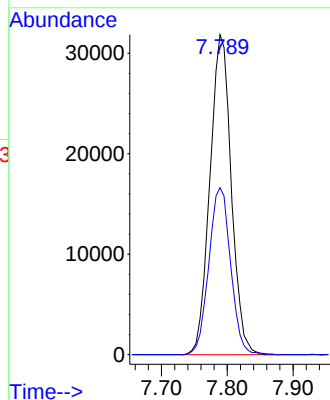
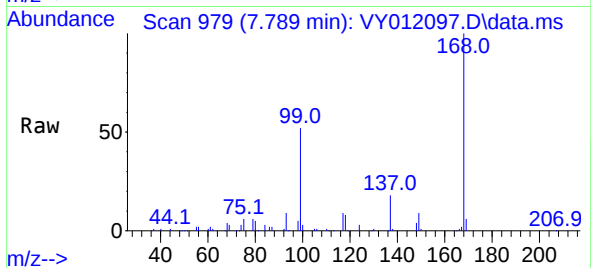




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012097.D
Acq: 06 Jan 2023 17:24

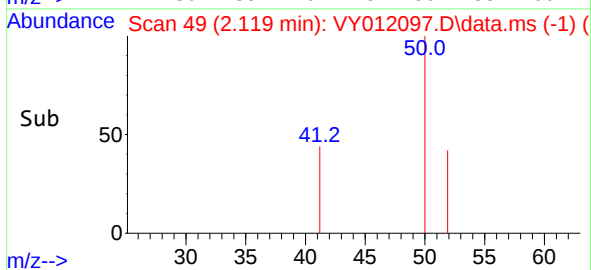
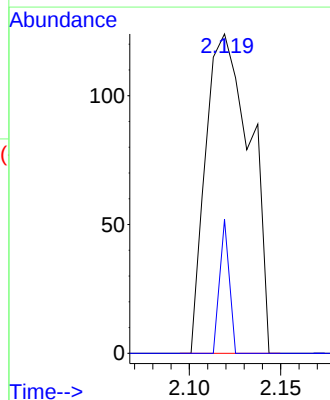
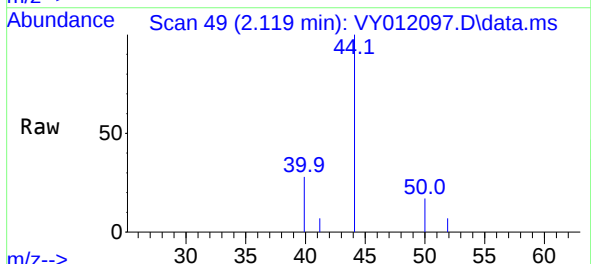
Instrument :
MSVOA_Y
ClientSampleId :
TP-202

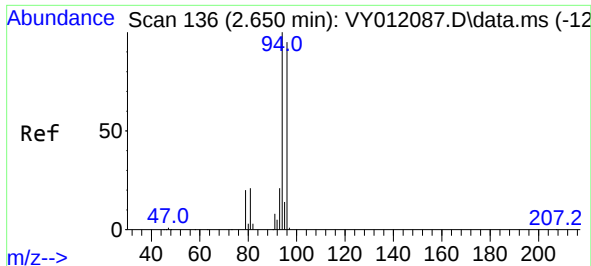
Tgt Ion:168 Resp: 72027
Ion Ratio Lower Upper
168 100
99 52.2 44.0 66.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY012097.D
Acq: 06 Jan 2023 17:24

Tgt Ion: 50 Resp: 210
Ion Ratio Lower Upper
50 100
52 41.9 26.8 40.2#

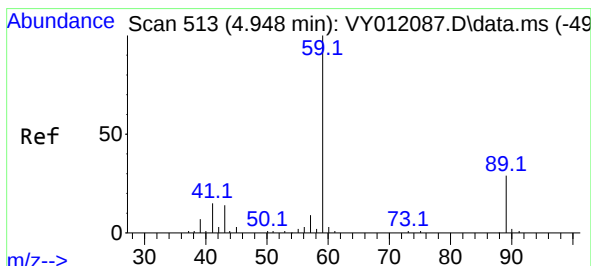
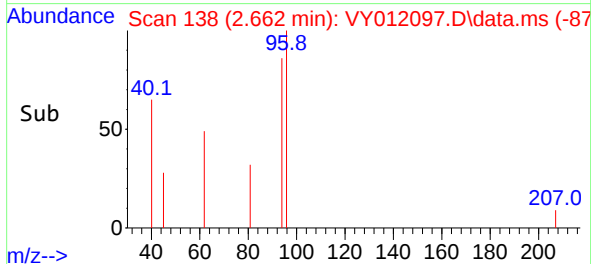
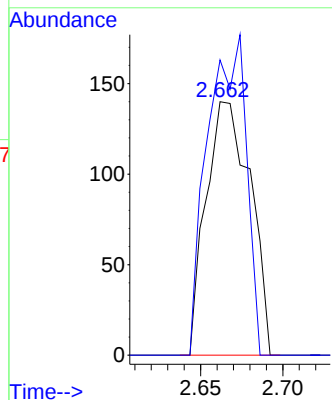
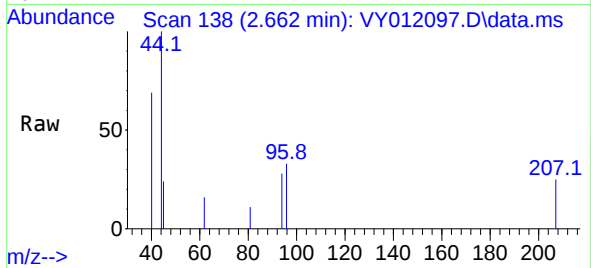




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY012097.D
Acq: 06 Jan 2023 17:24

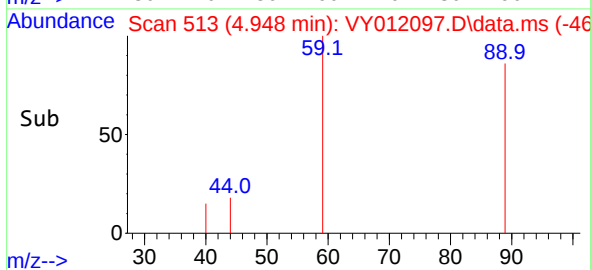
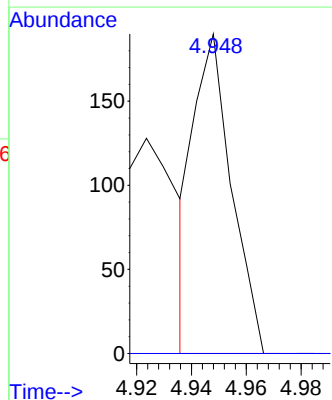
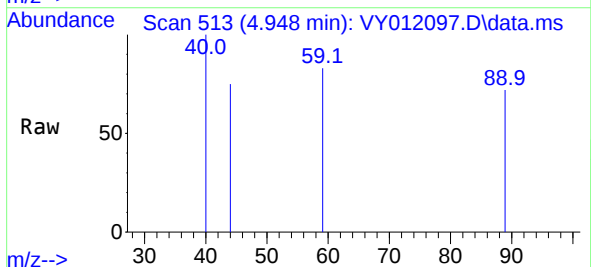
Instrument :
MSVOA_Y
ClientSampleId :
TP-202

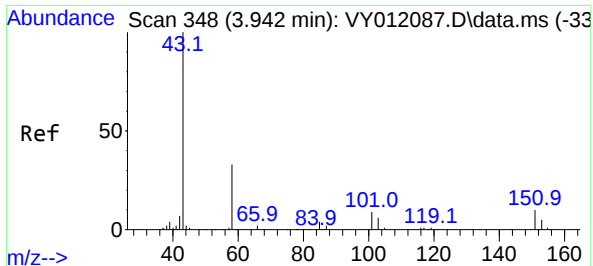
Tgt Ion: 94 Resp: 262
Ion Ratio Lower Upper
94 100
96 116.4 77.4 116.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY012097.D
Acq: 06 Jan 2023 17:24

Tgt Ion: 59 Resp: 180
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

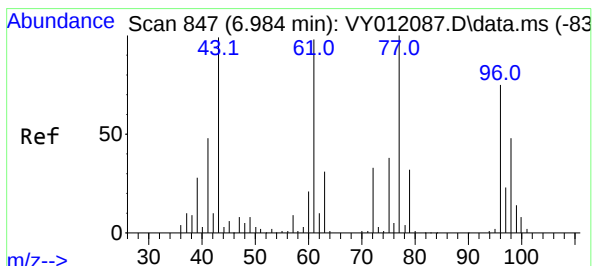
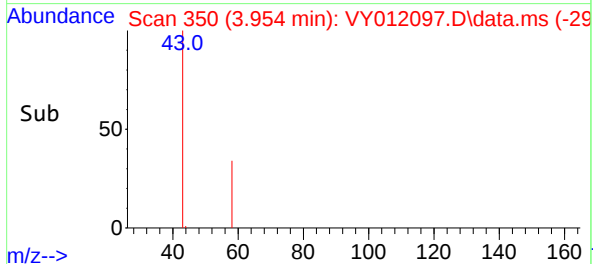
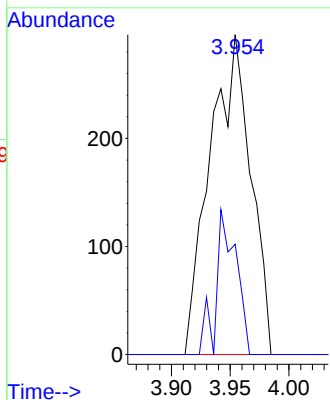
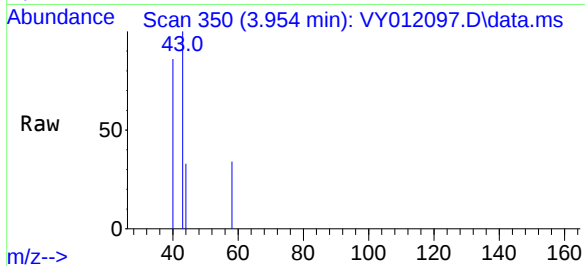




#16
Acetone
Concen: 3.734 ug/l
RT: 3.954 min Scan# 311
Delta R.T. 0.012 min
Lab File: VY012097.D
Acq: 06 Jan 2023 17:24

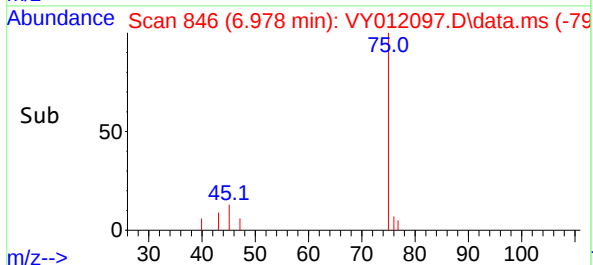
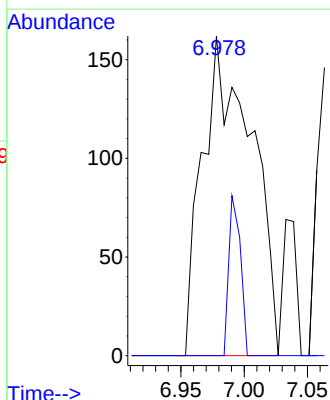
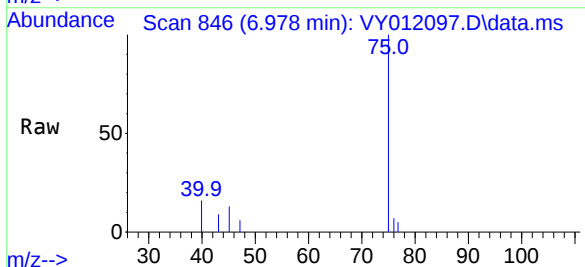
Instrument :
MSVOA_Y
ClientSampleId :
TP-202

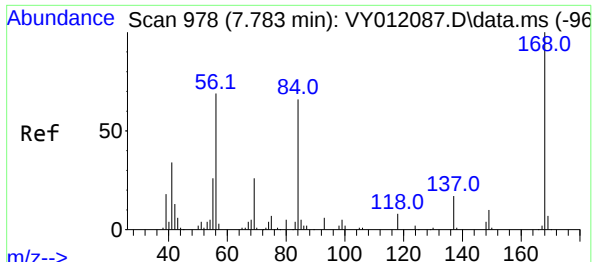
Tgt Ion: 43 Resp: 711
Ion Ratio Lower Upper
43 100
58 34.5 27.9 41.9



#25
2-Butanone
Concen: 1.744 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY012097.D
Acq: 06 Jan 2023 17:24

Tgt Ion: 43 Resp: 438
Ion Ratio Lower Upper
43 100
72 0.0 22.6 34.0#

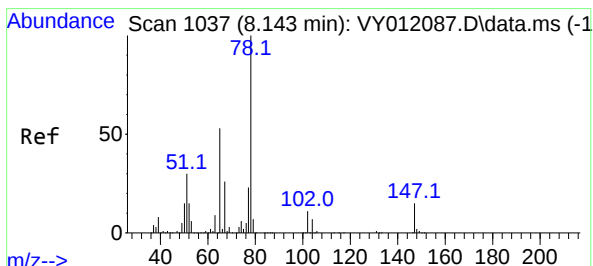
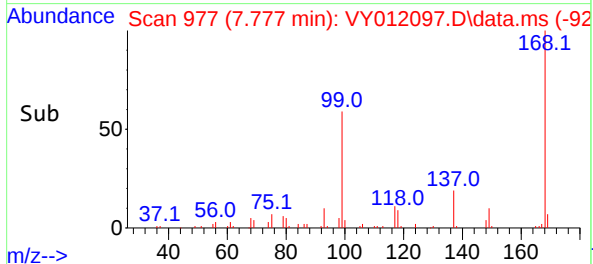
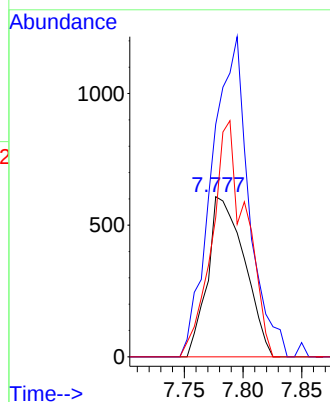
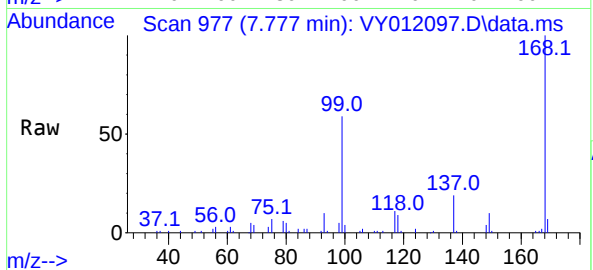




#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012097.D
Acq: 06 Jan 2023 17:24

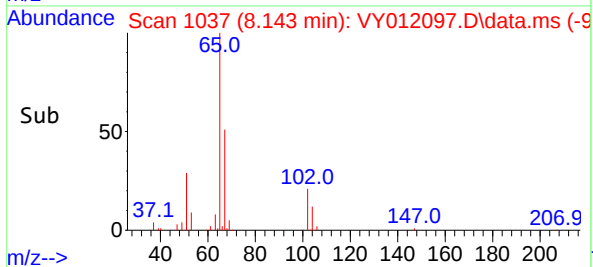
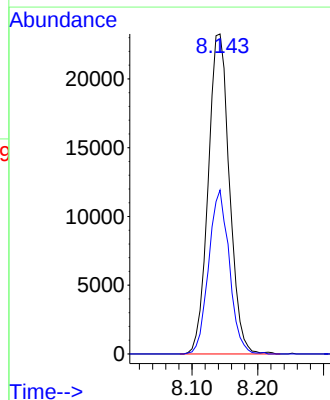
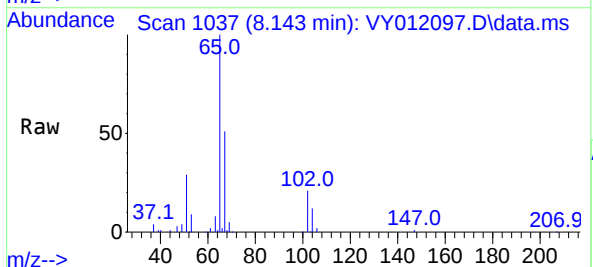
Instrument :
MSVOA_Y
ClientSampleId :
TP-202

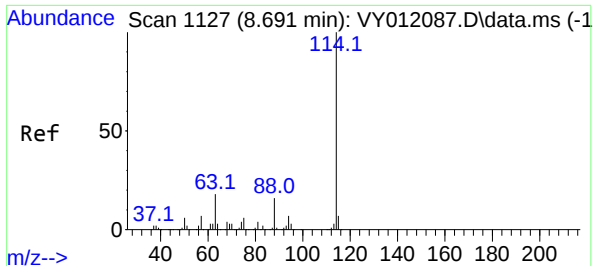
Tgt Ion: 56 Resp: 1326
Ion Ratio Lower Upper
56 100
69 145.2 29.2 43.8#
84 87.0 72.6 108.8



#33
1,2-Dichloroethane-d4
Concen: 64.652 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012097.D
Acq: 06 Jan 2023 17:24

Tgt Ion: 65 Resp: 52325
Ion Ratio Lower Upper
65 100
67 49.7 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012097.D

Acq: 06 Jan 2023 17:24

Instrument :

MSVOA_Y

ClientSampleId :

TP-202

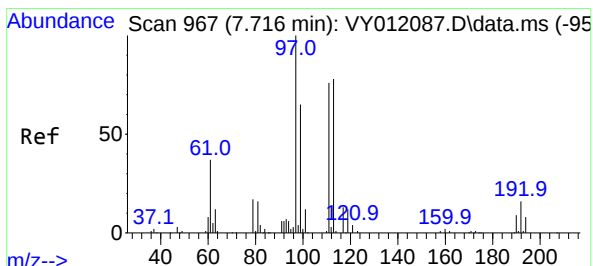
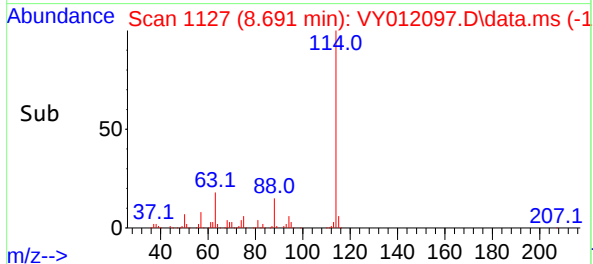
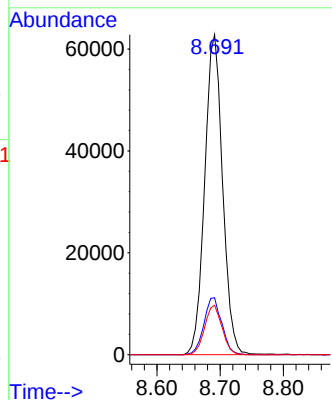
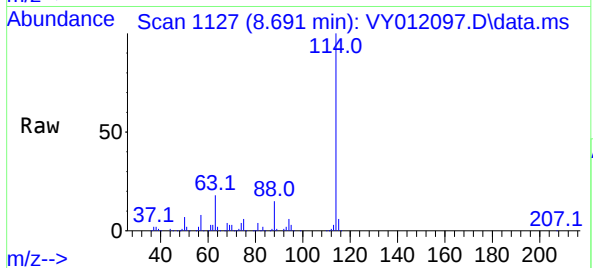
Tgt Ion:114 Resp: 123616

Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.6

88 15.5 0.0 32.2



#35

Dibromofluoromethane

Concen: 50.525 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012097.D

Acq: 06 Jan 2023 17:24

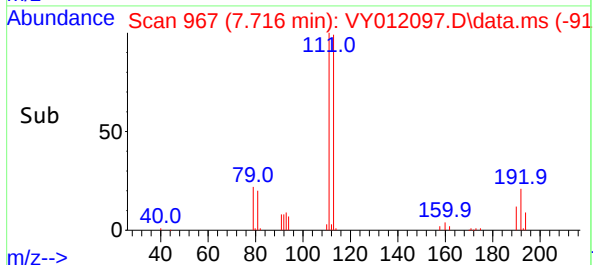
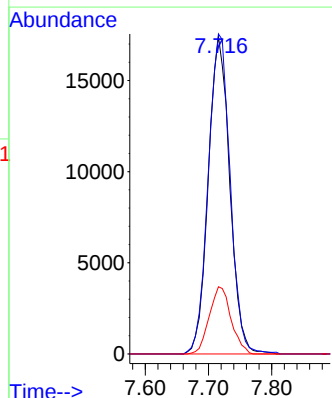
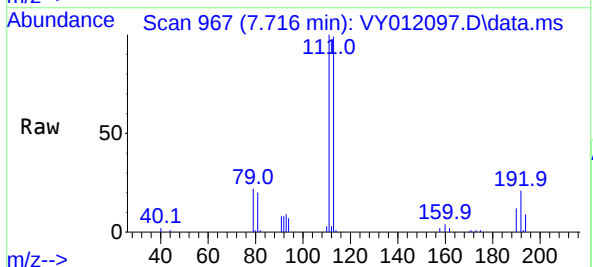
Tgt Ion:113 Resp: 41052

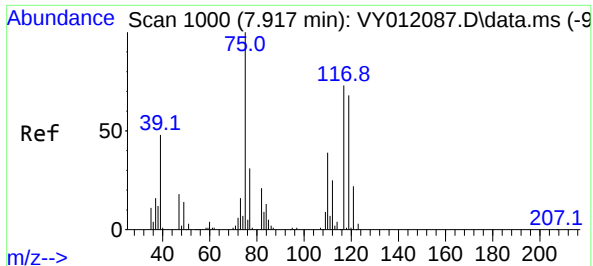
Ion Ratio Lower Upper

113 100

111 103.0 83.0 124.4

192 21.5 16.0 24.0

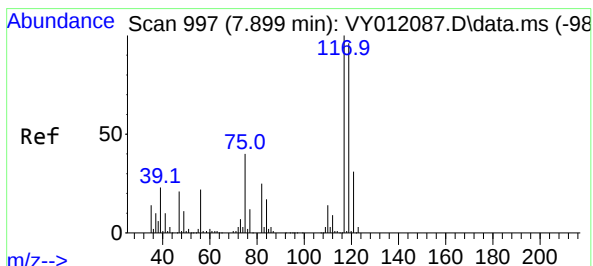
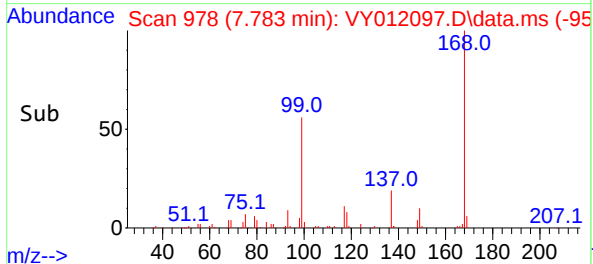
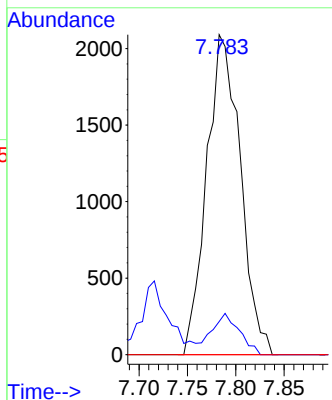
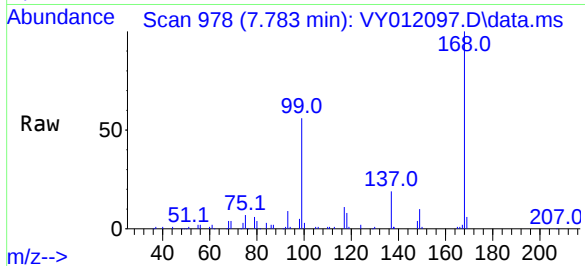




#36
1,1-Dichloropropene
Concen: 4.109 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY012097.D
Acq: 06 Jan 2023 17:24

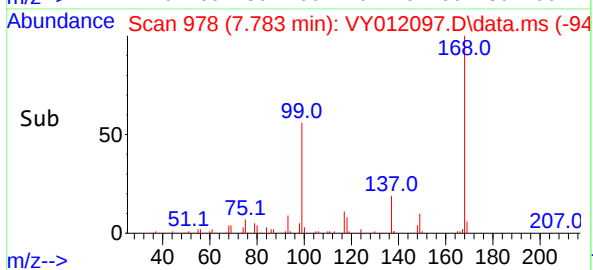
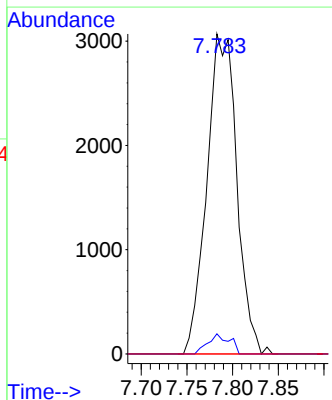
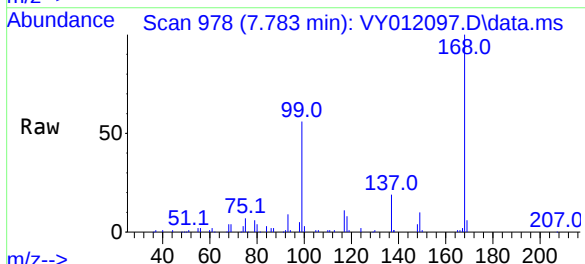
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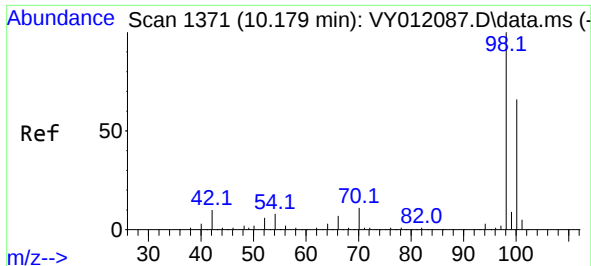
Tgt Ion: 75	Resp:	5065
Ion Ratio	Lower	Upper
75	100	
110	10.8	18.1 54.1#
77	0.0	25.1 37.7#



#38
Carbon Tetrachloride
Concen: 4.471 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY012097.D
Acq: 06 Jan 2023 17:24

Tgt Ion: 117	Resp:	6996
Ion Ratio	Lower	Upper
117	100	
119	6.3	73.8 110.8#
121	0.0	25.2 37.8#

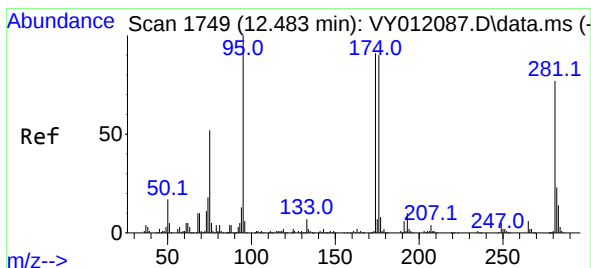
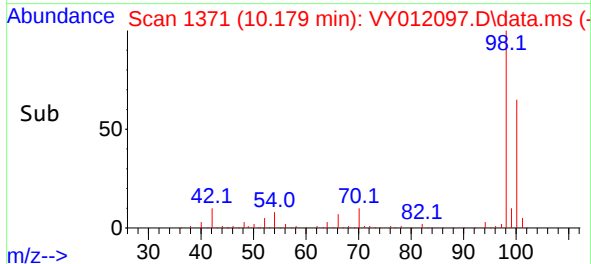
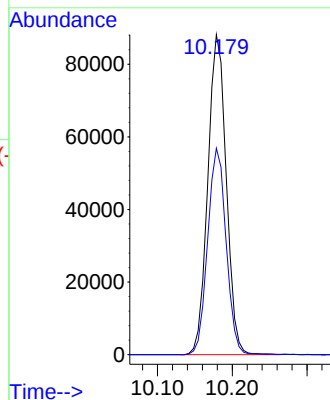
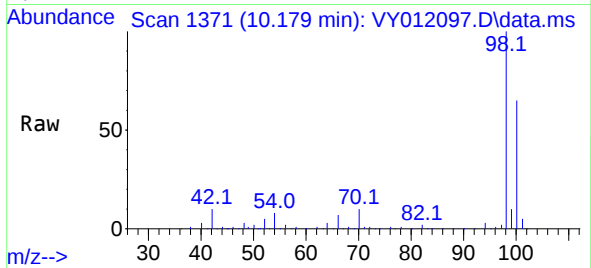




#50
Toluene-d8
Concen: 47.102 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012097.D
Acq: 06 Jan 2023 17:24

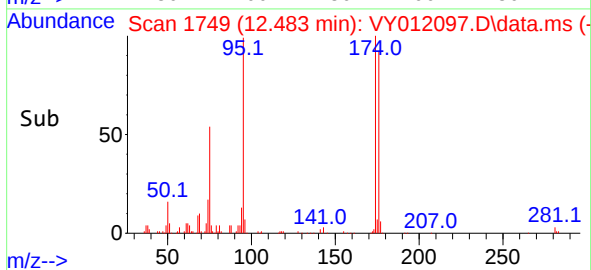
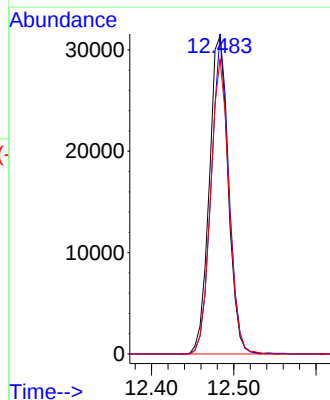
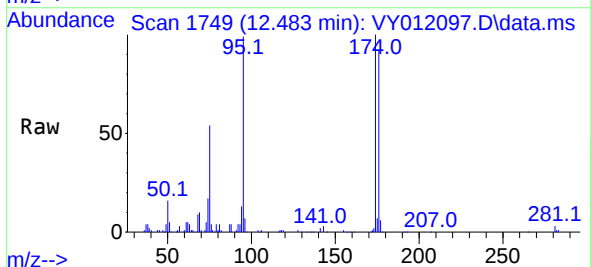
Instrument :
MSVOA_Y
ClientSampleId :
TP-202

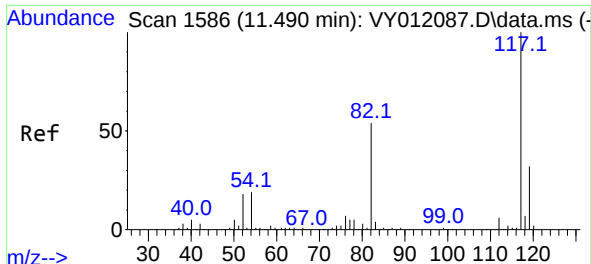
Tgt Ion: 98 Resp: 151056
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 44.605 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012097.D
Acq: 06 Jan 2023 17:24

Tgt Ion: 95 Resp: 50001
Ion Ratio Lower Upper
95 100
174 93.8 0.0 172.0
176 90.0 0.0 167.6

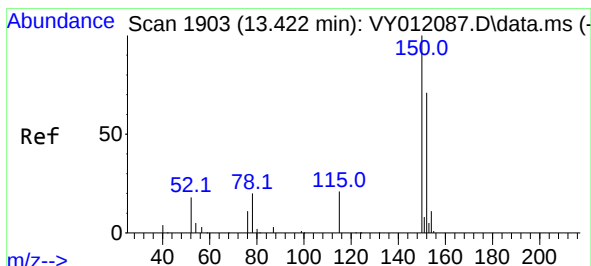
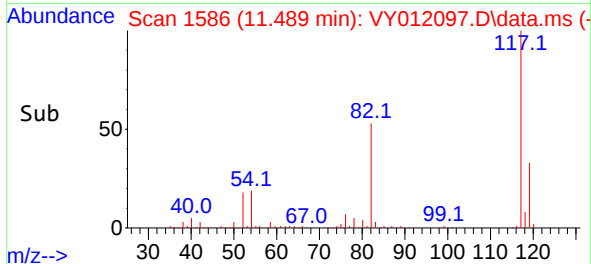
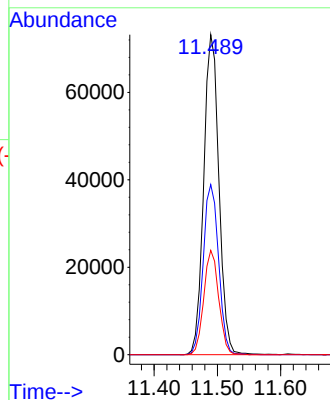
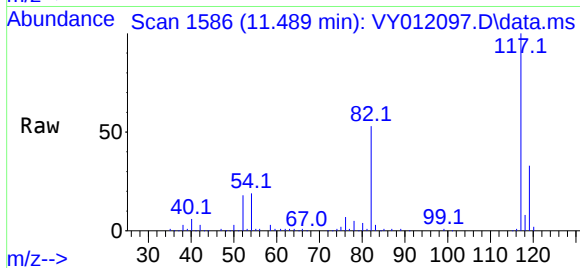




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY012097.D
Acq: 06 Jan 2023 17:24

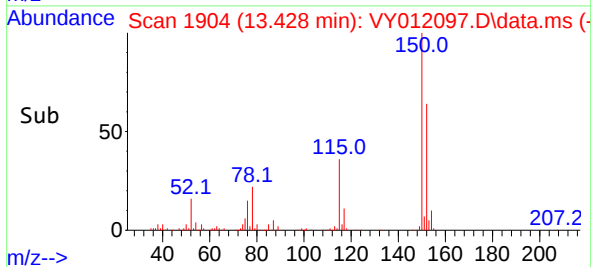
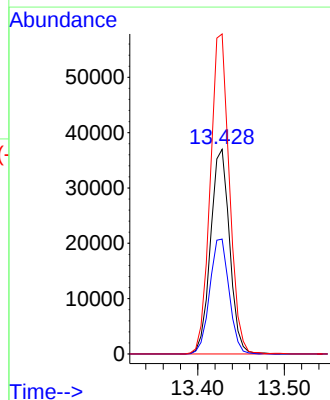
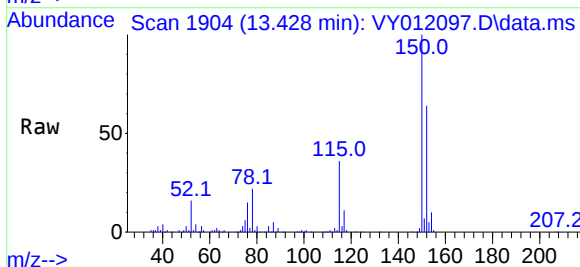
Instrument :
MSVOA_Y
ClientSampleId :
TP-202

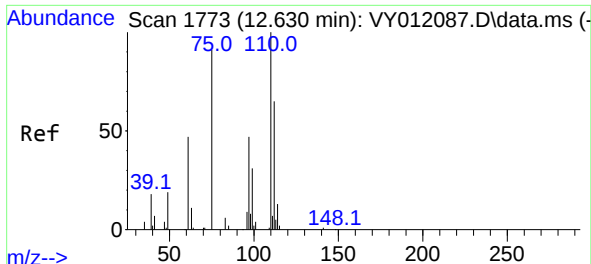
Tgt Ion:117 Resp: 122746
Ion Ratio Lower Upper
117 100
82 53.1 44.8 67.2
119 32.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY012097.D
Acq: 06 Jan 2023 17:24

Tgt Ion:152 Resp: 56467
Ion Ratio Lower Upper
152 100
115 57.1 29.1 87.3
150 156.8 0.0 342.6

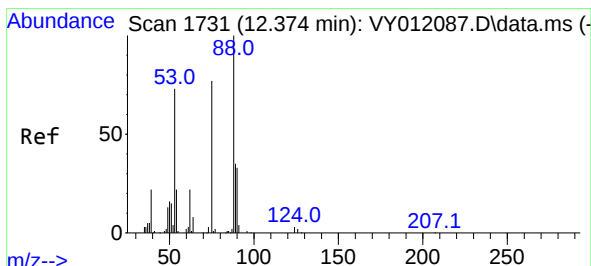
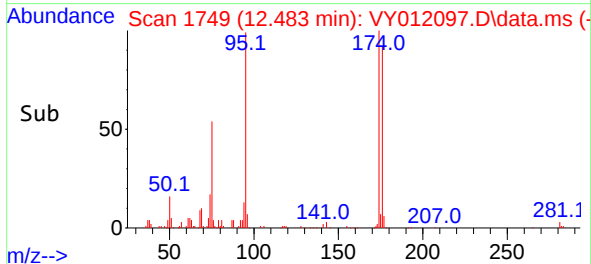
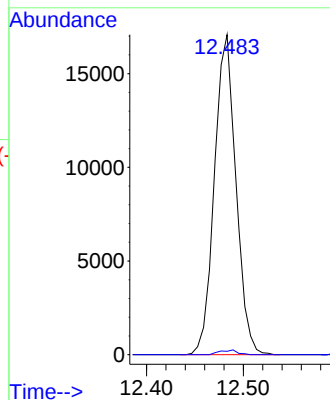
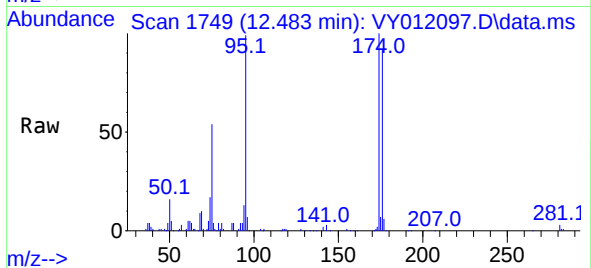




#76
1,2,3-Trichloropropane
Concen: 40.948 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012097.D
Acq: 06 Jan 2023 17:24

Instrument :
MSVOA_Y
ClientSampleId :
TP-202

Tgt Ion: 75 Resp: 26401
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 90.940 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012097.D
Acq: 06 Jan 2023 17:24

Tgt Ion: 75 Resp: 26401
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

