

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020823\
 Data File : VY012549.D
 Acq On : 08 Feb 2023 17:46
 Operator : KP/MD
 Sample : 01481-05
 Misc : 6.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JPP-42-020723

Quant Time: Feb 09 07:15:37 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

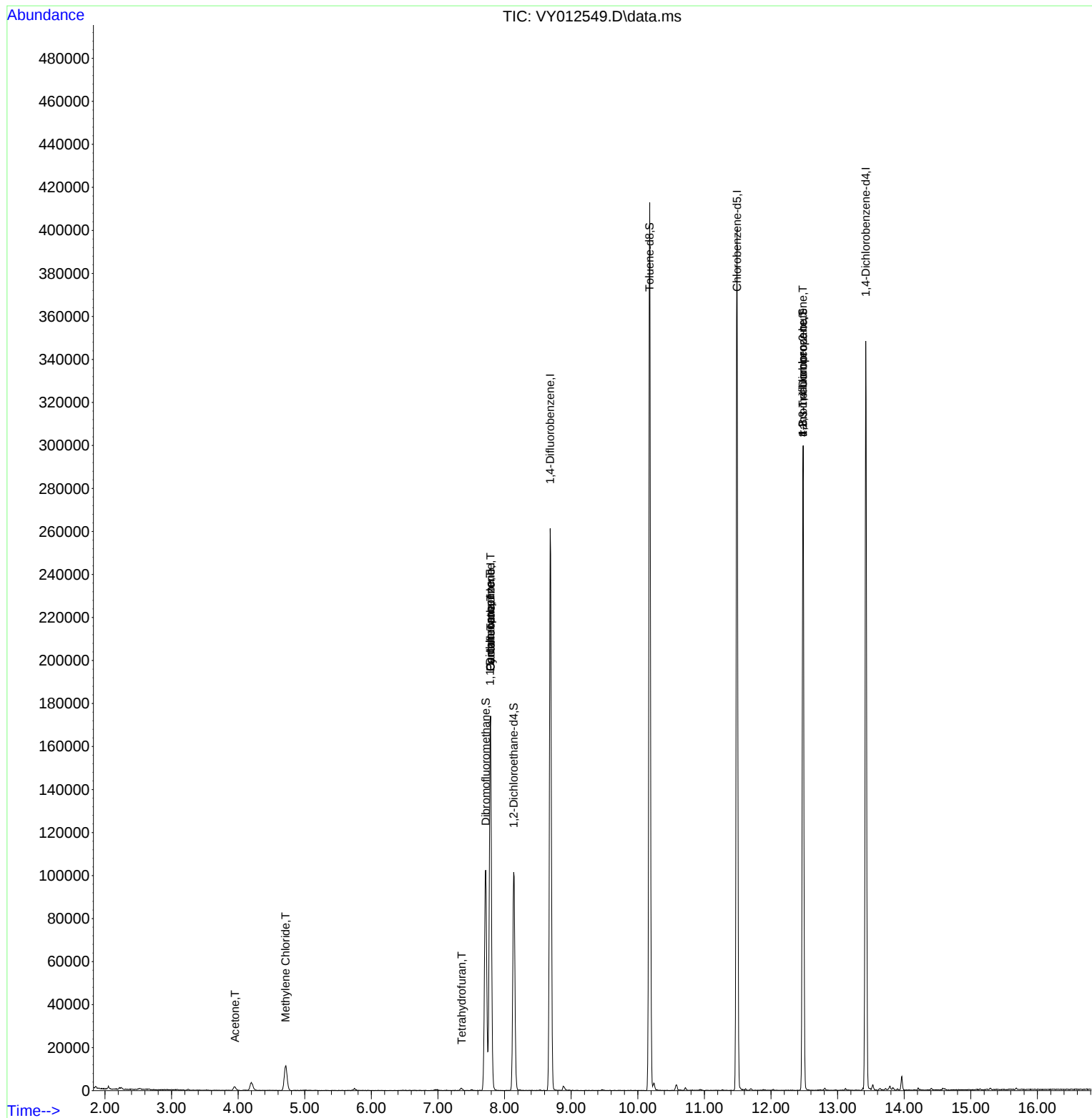
Internal Standards						
1) Pentafluorobenzene	7.789	168	140309	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	235170	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	224202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	95239	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	86675	48.579	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.160%		
35) Dibromofluoromethane	7.716	113	69368	40.503	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.000%		
50) Toluene-d8	10.179	98	277917	38.987	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	77.980%		
62) 4-Bromofluorobenzene	12.477	95	85769	34.494	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	68.980%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	54	Below Cal	#	41
5) Bromomethane	2.668	94	24	Below Cal		92
11) Tert butyl alcohol	4.954	59	71	Below Cal	#	75
16) Acetone	3.954	43	3102	7.224	ug/l	94
20) Methylene Chloride	4.710	84	9710	2.005	ug/l	93
29) Tetrahydrofuran	7.356	42	686	2.663	ug/l	89
31) Cyclohexane	7.789	56	2301	1.115	ug/l	# 32
36) 1,1-Dichloropropene	7.783	75	9363	4.039	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	13695	4.401	ug/l	# 16
76) 1,2,3-Trichloropropane	12.477	75	45375	42.644	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	45375	96.164	ug/l	# 12

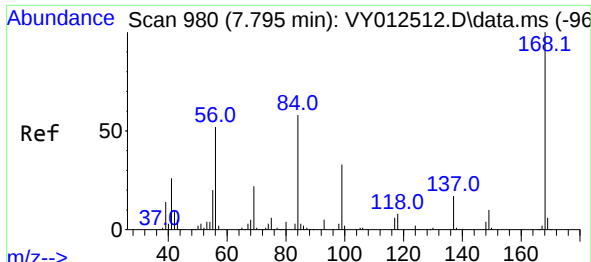
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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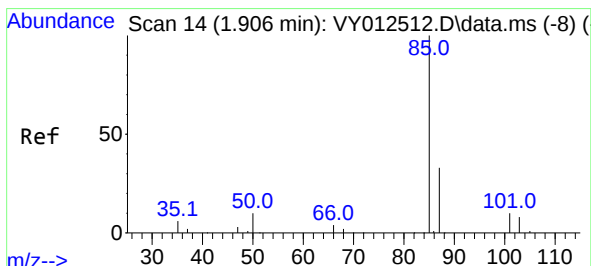
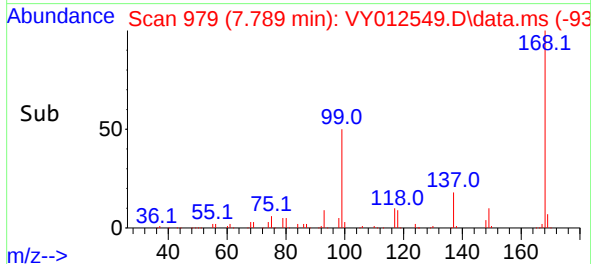
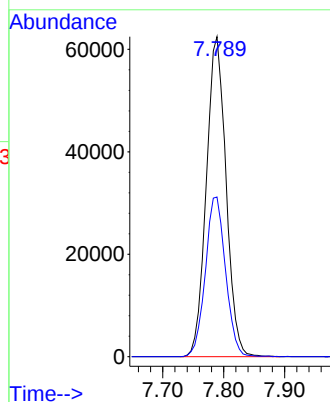
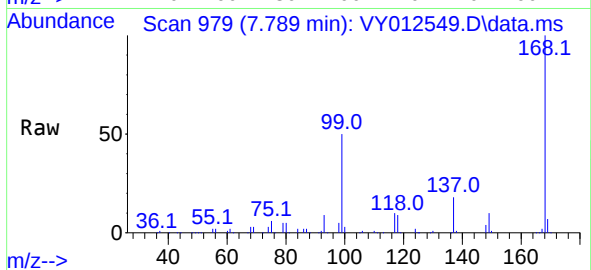




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012549.D
Acq: 08 Feb 2023 17:46

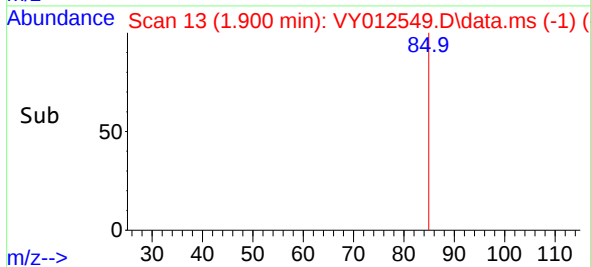
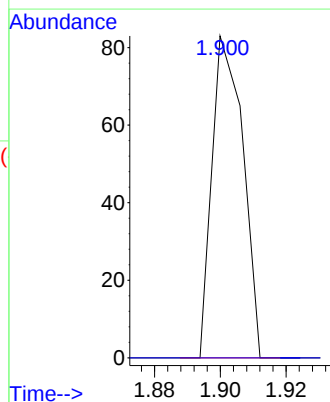
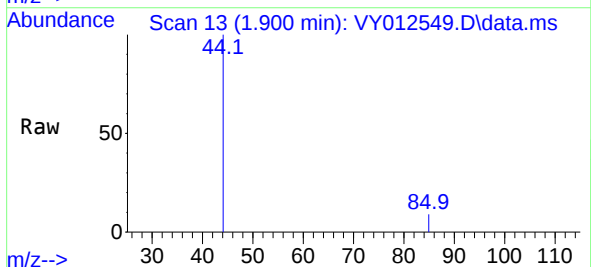
Instrument :
MSVOA_Y
ClientSampleId :
JPP-42-020723

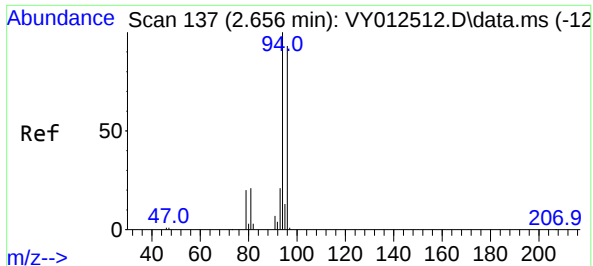
Tgt Ion:168 Resp: 140309
Ion Ratio Lower Upper
168 100
99 49.9 40.8 61.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY012549.D
Acq: 08 Feb 2023 17:46

Tgt Ion: 85 Resp: 54
Ion Ratio Lower Upper
85 100
87 0.0 16.6 49.8#

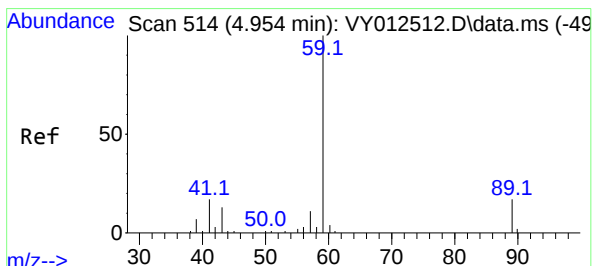
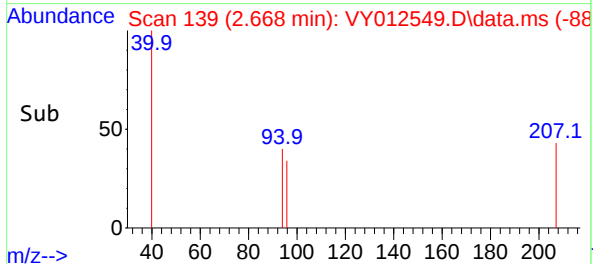
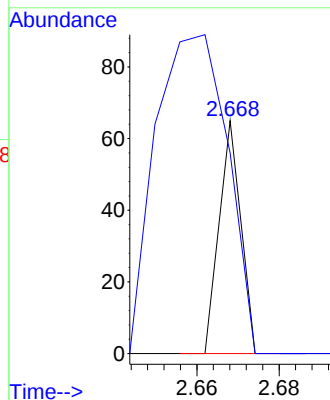
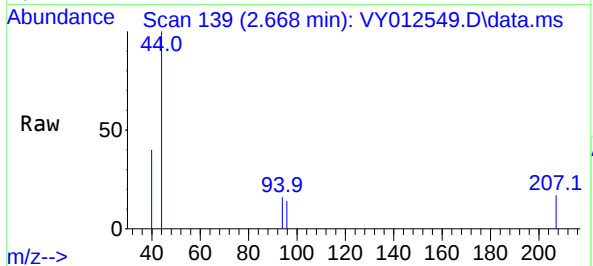




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY012549.D
Acq: 08 Feb 2023 17:46

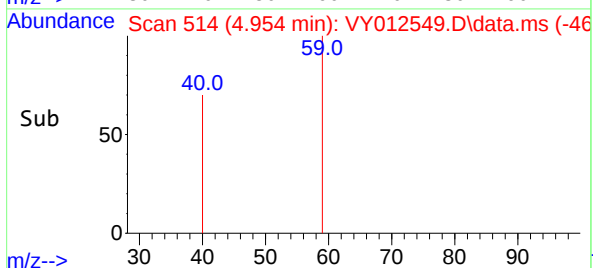
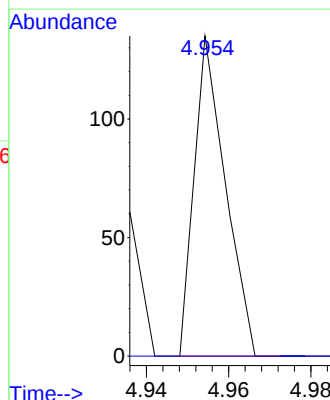
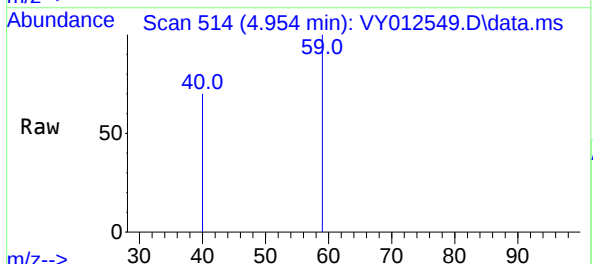
Instrument :
MSVOA_Y
ClientSampleId :
JPP-42-020723

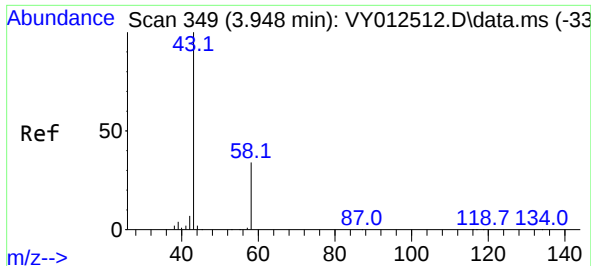
Tgt Ion: 94 Resp: 24
Ion Ratio Lower Upper
94 100
96 86.2 74.7 112.1



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY012549.D
Acq: 08 Feb 2023 17:46

Tgt Ion: 59 Resp: 71
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#

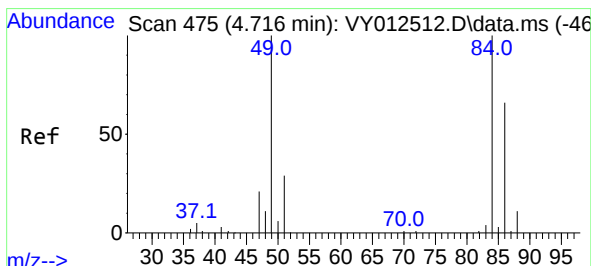
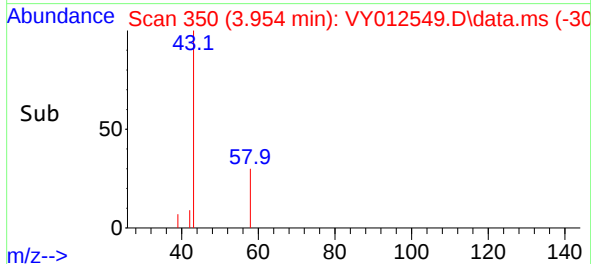
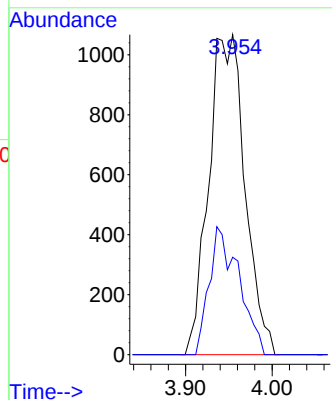
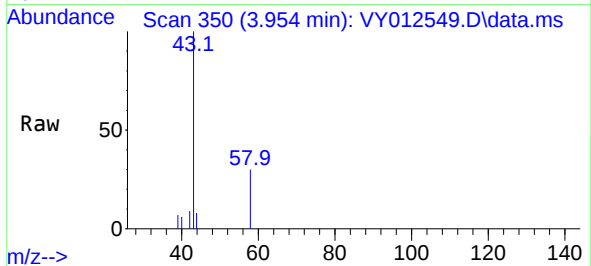




#16
Acetone
Concen: 7.224 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY012549.D
Acq: 08 Feb 2023 17:46

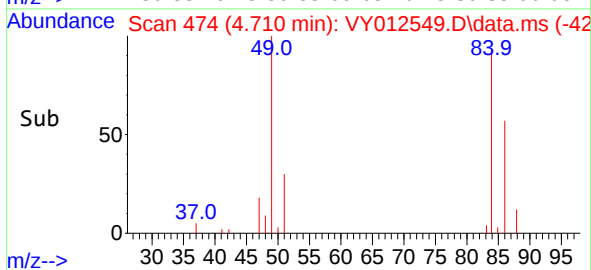
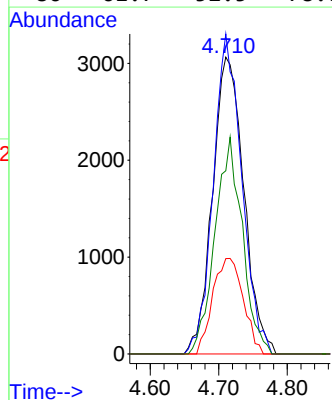
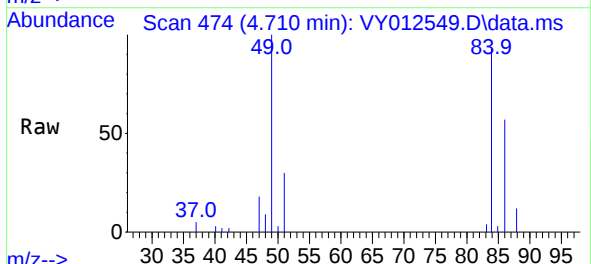
Instrument :
MSVOA_Y
ClientSampleId :
JPP-42-020723

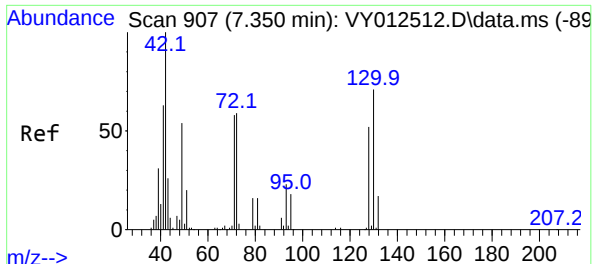
Tgt Ion: 43 Resp: 3102
Ion Ratio Lower Upper
43 100
58 30.5 27.1 40.7



#20
Methylene Chloride
Concen: 2.005 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY012549.D
Acq: 08 Feb 2023 17:46

Tgt Ion: 84 Resp: 9710
Ion Ratio Lower Upper
84 100
49 107.8 79.8 119.6
51 32.1 23.4 35.2
86 61.7 52.5 78.7



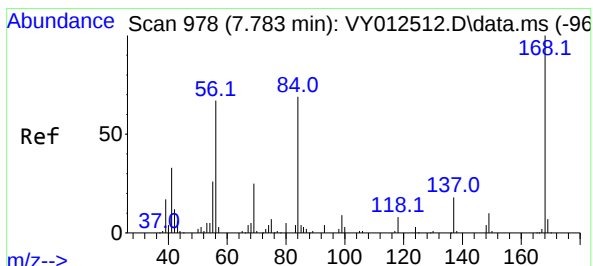
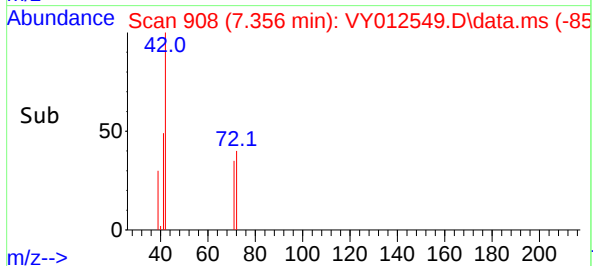
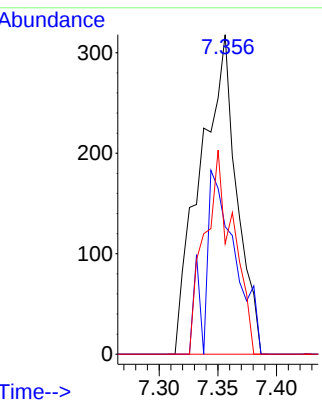
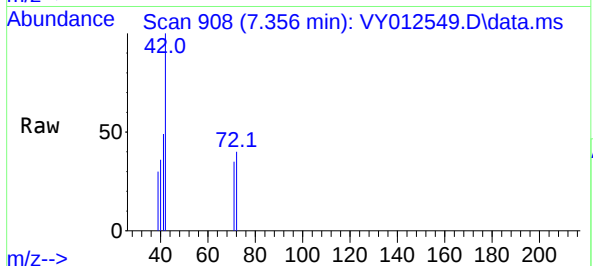


#29
Tetrahydrofuran
Concen: 2.663 ug/l
RT: 7.356 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY012549.D
Acq: 08 Feb 2023 17:46

Instrument :
MSVOA_Y
ClientSampleId :
JPP-42-020723

Tgt Ion: 42 Resp: 686

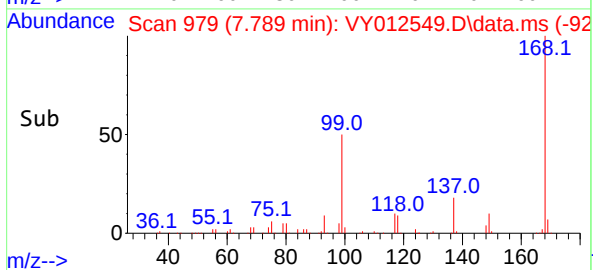
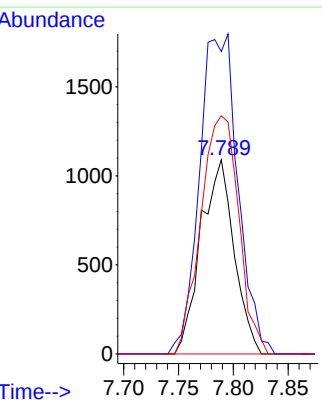
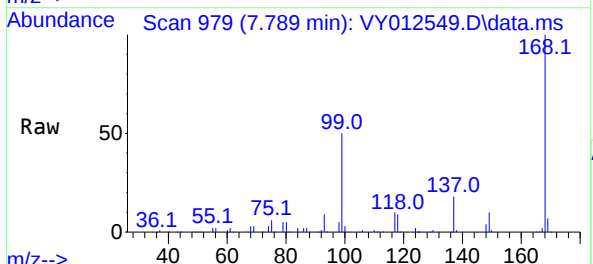
Ion	Ratio	Lower	Upper
42	100		
72	47.2	47.0	70.6
71	50.4	44.6	66.8

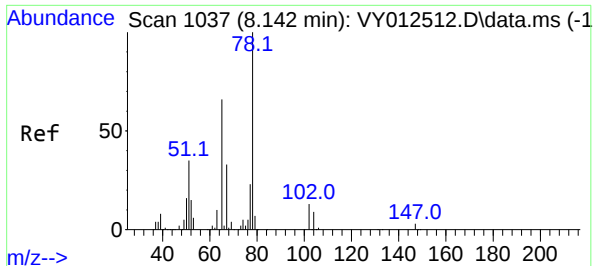


#31
Cyclohexane
Concen: 1.115 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY012549.D
Acq: 08 Feb 2023 17:46

Tgt Ion: 56 Resp: 2301

Ion	Ratio	Lower	Upper
56	100		
69	155.6	29.5	44.3#
84	122.6	81.9	122.9





#33

1,2-Dichloroethane-d4

Concen: 48.579 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY012549.D

Acq: 08 Feb 2023 17:46

Instrument :

MSVOA_Y

ClientSampleId :

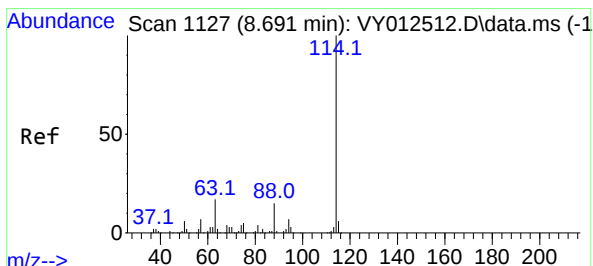
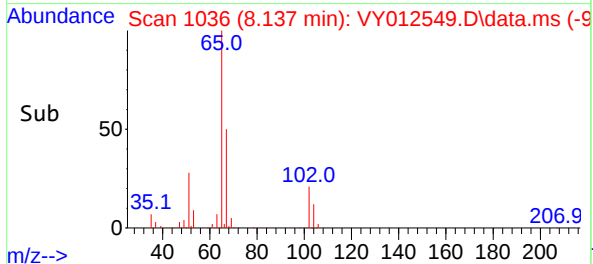
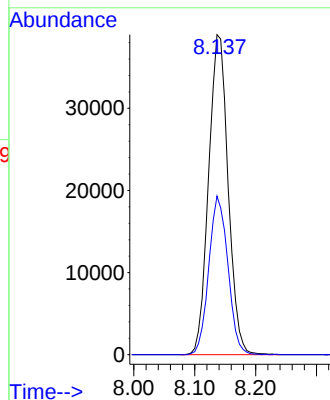
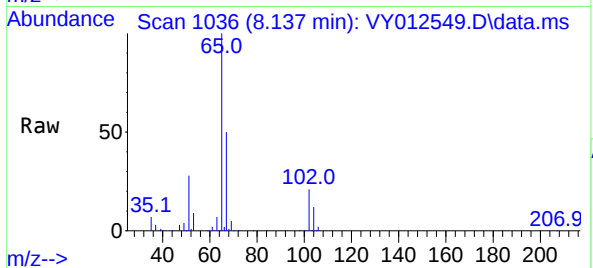
JPP-42-020723

Tgt Ion: 65 Resp: 86675

Ion Ratio Lower Upper

65 100

67 48.5 0.0 98.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY012549.D

Acq: 08 Feb 2023 17:46

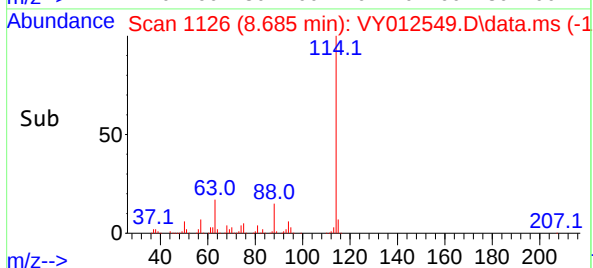
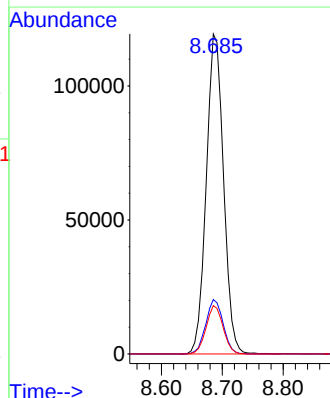
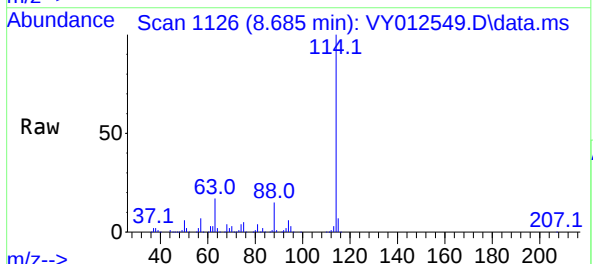
Tgt Ion: 114 Resp: 235170

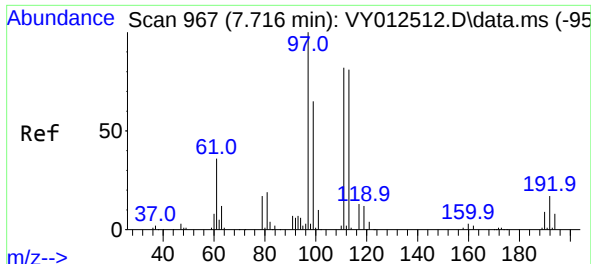
Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.6

88 15.1 0.0 29.8

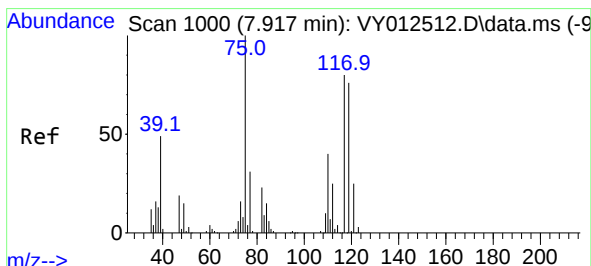
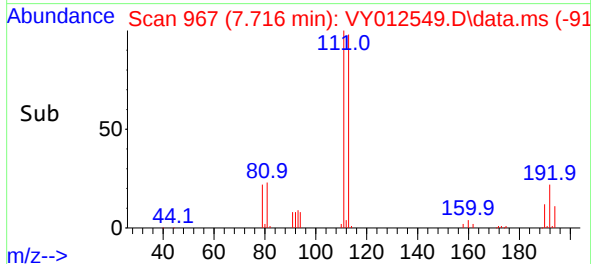
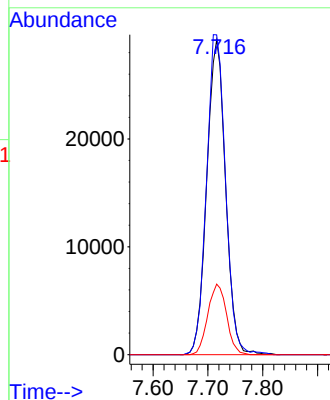
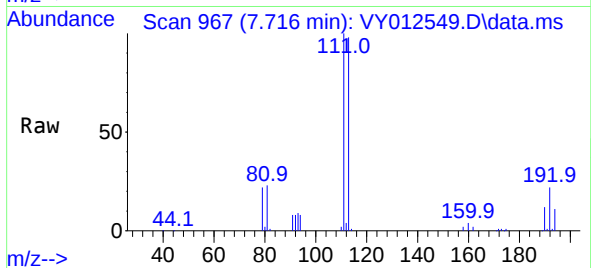




#35
Dibromofluoromethane
Concen: 40.503 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY012549.D
Acq: 08 Feb 2023 17:46

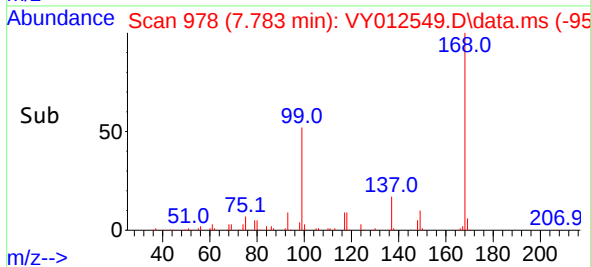
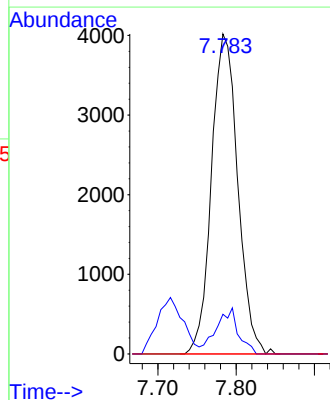
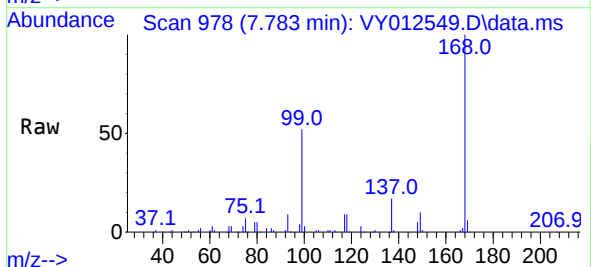
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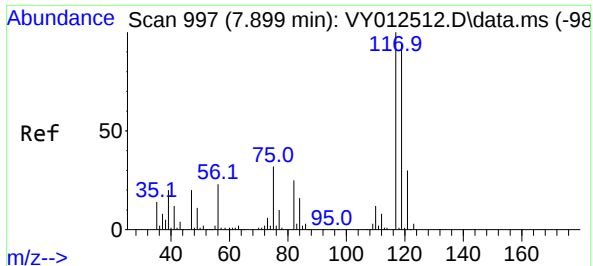
Tgt Ion:113 Resp: 69368
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 22.4 17.5 26.3



#36
1,1-Dichloropropene
Concen: 4.039 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY012549.D
Acq: 08 Feb 2023 17:46

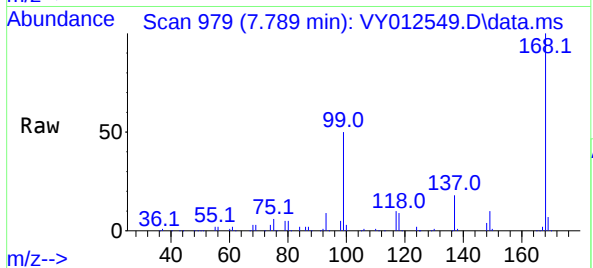
Tgt Ion: 75 Resp: 9363
Ion Ratio Lower Upper
75 100
110 12.1 19.5 58.5#
77 0.0 24.9 37.3#



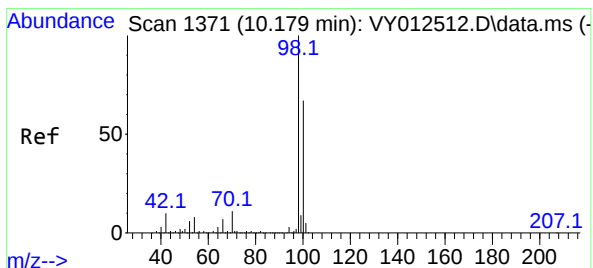
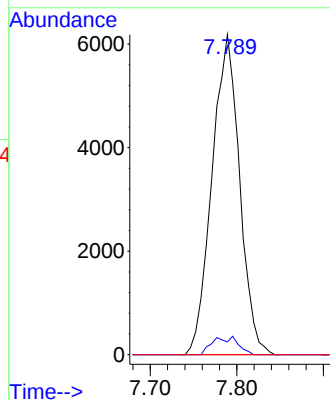
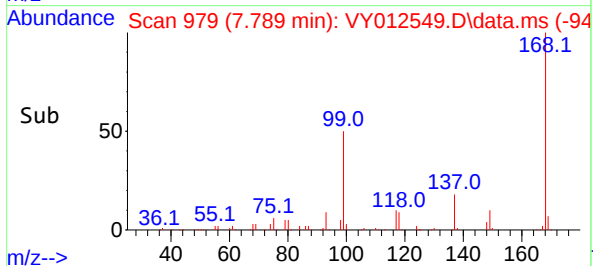


#38
Carbon Tetrachloride
Concen: 4.401 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY012549.D
Acq: 08 Feb 2023 17:46

Instrument :
MSVOA_Y
ClientSampleId :
JPP-42-020723

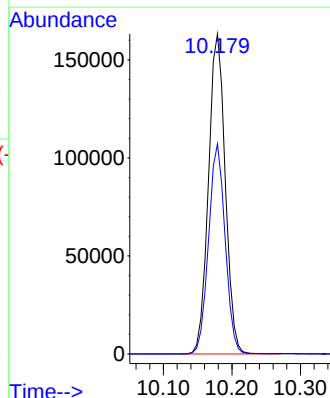
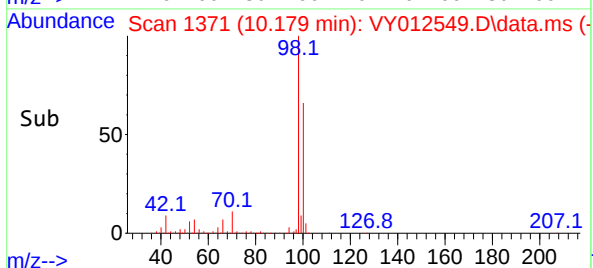
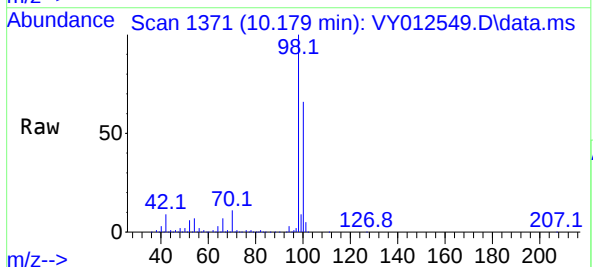


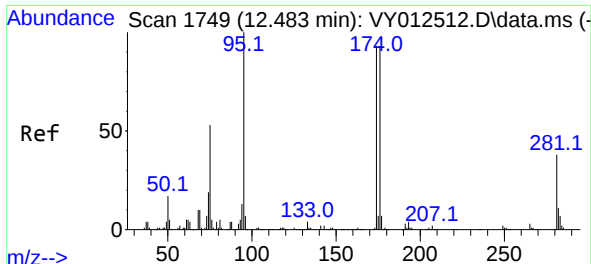
Tgt Ion:117 Resp: 13695
Ion Ratio Lower Upper
117 100
119 4.0 75.1 112.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 38.987 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012549.D
Acq: 08 Feb 2023 17:46

Tgt Ion: 98 Resp: 277917
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2

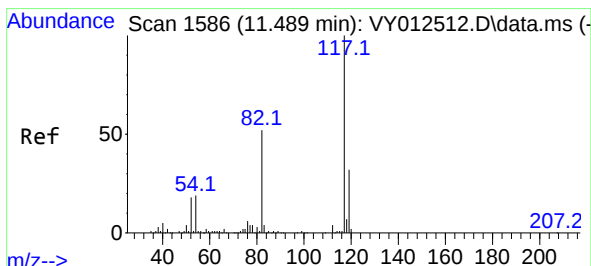
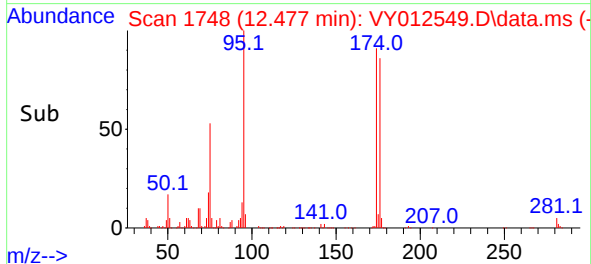
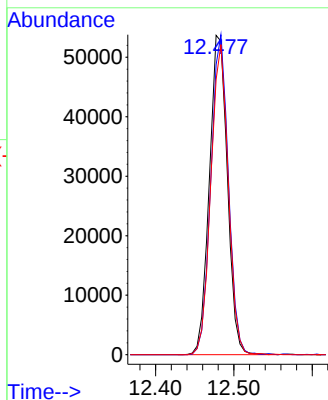
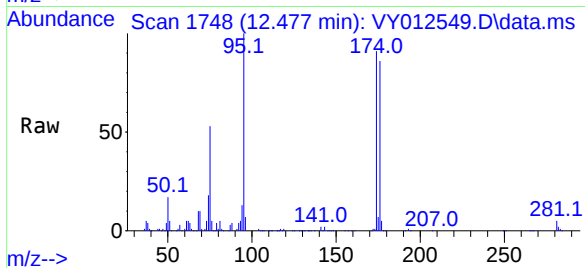




#62
4-Bromofluorobenzene
Concen: 34.494 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY012549.D
Acq: 08 Feb 2023 17:46

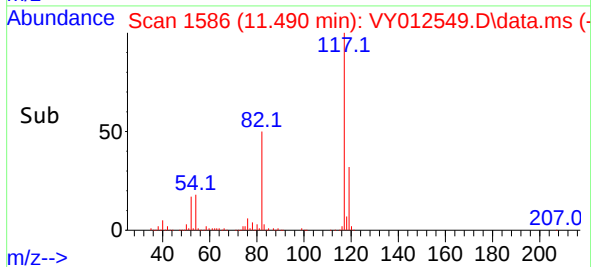
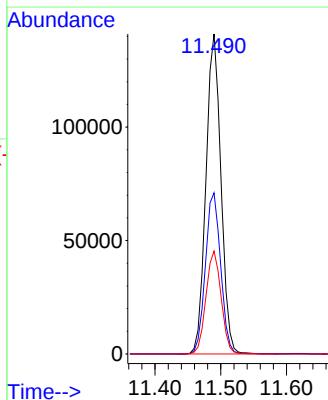
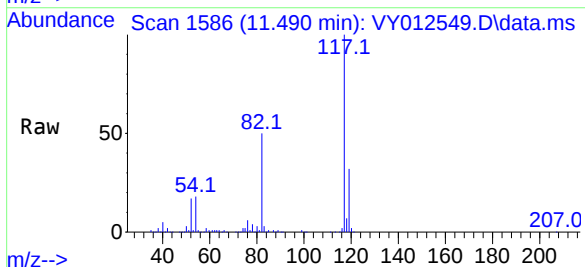
Instrument :
MSVOA_Y
ClientSampleId :
JPP-42-020723

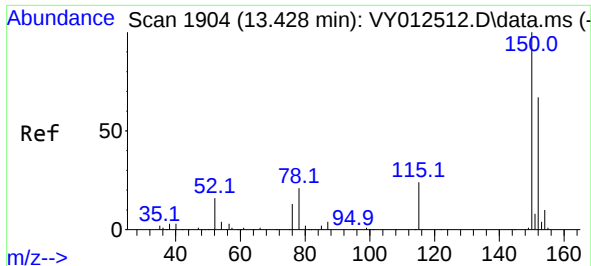
Tgt Ion:	95	Resp:	85769
Ion	Ratio	Lower	Upper
95	100		
174	97.3	0.0	188.0
176	94.0	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012549.D
Acq: 08 Feb 2023 17:46

Tgt Ion:	117	Resp:	224202
Ion	Ratio	Lower	Upper
117	100		
82	50.3	41.7	62.5
119	32.2	25.8	38.8

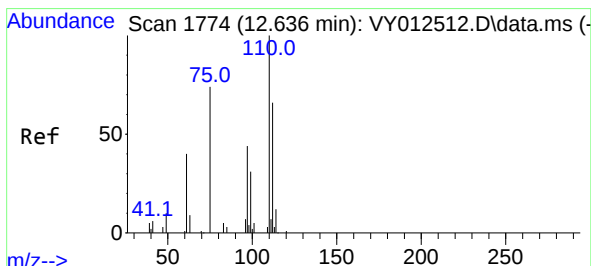
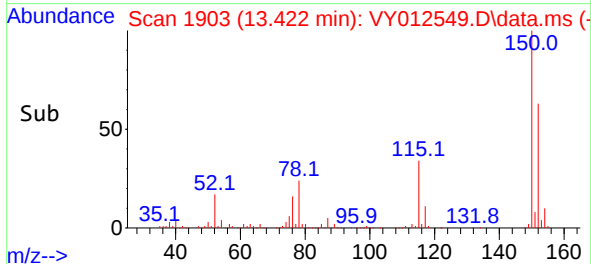
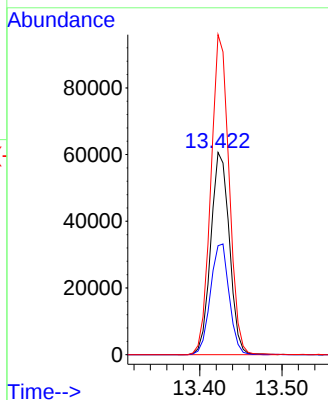
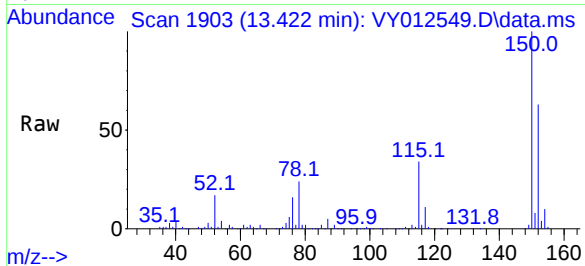




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1904
 Delta R.T. -0.006 min
 Lab File: VY012549.D
 Acq: 08 Feb 2023 17:46

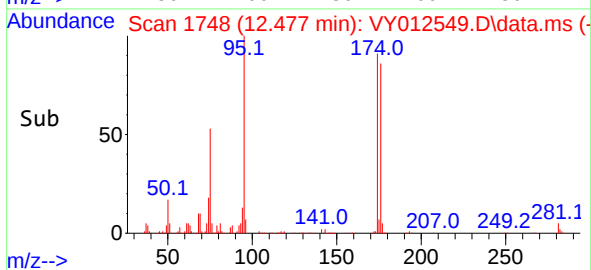
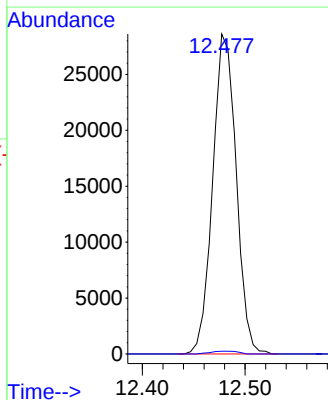
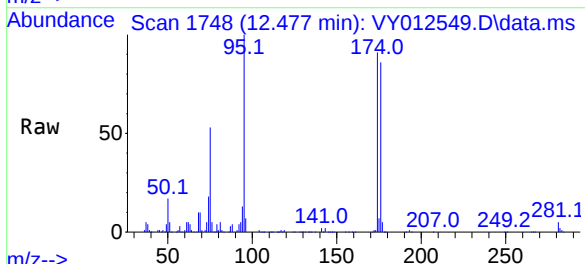
Instrument :
 MSVOA_Y
 ClientSampleId :
 JPP-42-020723

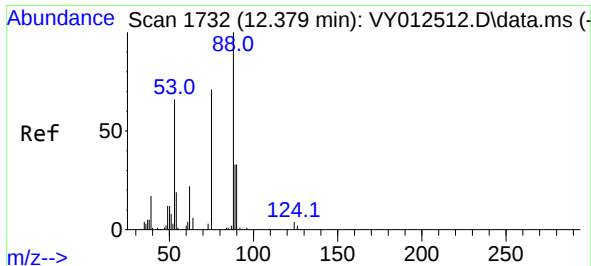
Tgt Ion:152 Resp: 95239
 Ion Ratio Lower Upper
 152 100
 115 55.1 28.1 84.3
 150 155.0 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 42.644 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY012549.D
 Acq: 08 Feb 2023 17:46

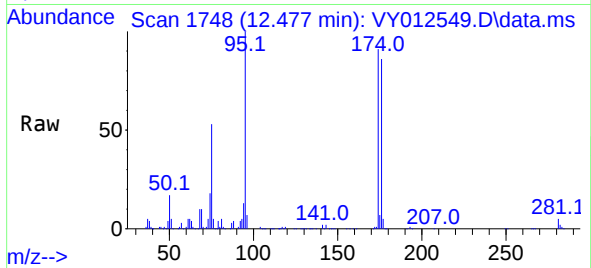
Tgt Ion: 75 Resp: 45375
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 96.164 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY012549.D
Acq: 08 Feb 2023 17:46

Instrument :
MSVOA_Y
ClientSampleId :
JPP-42-020723



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	73.1	109.7#
89	0.1	39.9	59.9#

