

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020723\
 Data File : VY012524.D
 Acq On : 07 Feb 2023 17:24
 Operator : KP/MD
 Sample : 01445-01
 Misc : 3.19g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JPP-26-020323

Quant Time: Feb 08 01:47:20 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)

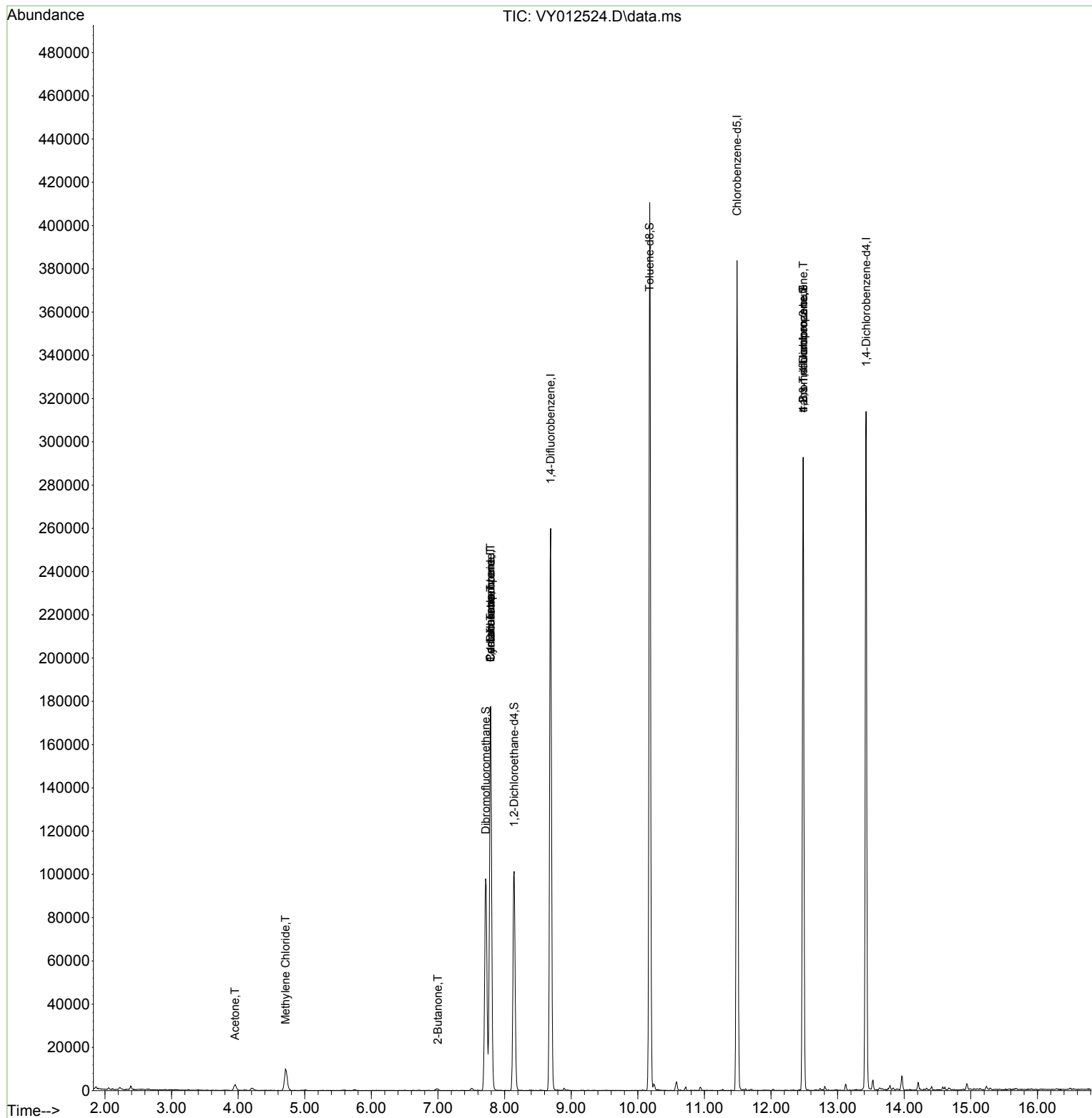
Internal Standards						
1) Pentafluorobenzene	7.789	168	138321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	232282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	216469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	85932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	87157	49.551	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.100%
35) Dibromofluoromethane	7.716	113	67588	39.955	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	79.900%
50) Toluene-d8	10.179	98	273074	38.783	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.560%
62) 4-Bromofluorobenzene	12.483	95	80935	32.955	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	65.920%
Target Compounds						
2) Dichlorodifluoromethane	1.906	85	26	Below Cal	#	41
5) Bromomethane	2.668	94	156	Below Cal	#	70
11) Tert butyl alcohol	4.948	59	186	Below Cal	#	75
16) Acetone	3.954	43	4787	11.308	ug/l	95
20) Methylene Chloride	4.710	84	8221	1.072	ug/l	# 92
25) 2-Butanone	6.996	43	711	1.514	ug/l	92
31) Cyclohexane	7.789	56	2578	1.268	ug/l	# 42
36) 1,1-Dichloropropene	7.789	75	9444	4.125	ug/l	# 49
38) Carbon Tetrachloride	7.789	117	13795	4.489	ug/l	# 18
76) 1,2,3-Trichloropropane	12.483	75	43213	45.011	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	43213	101.501	ug/l	# 12

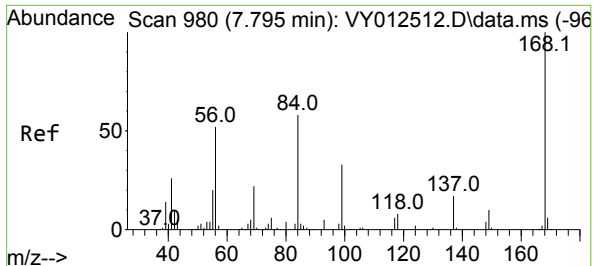
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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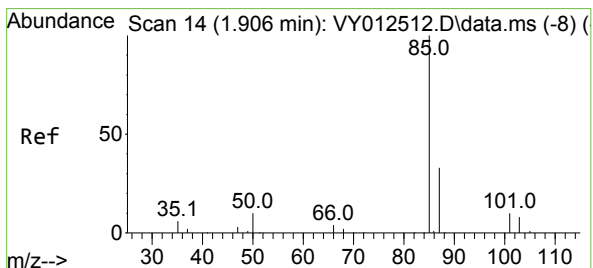
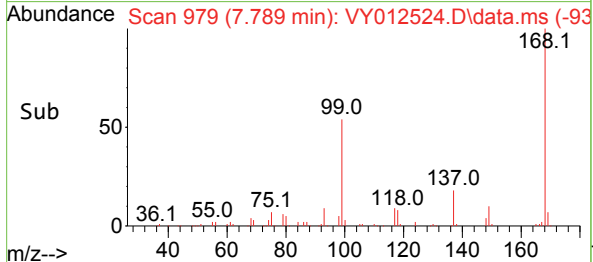
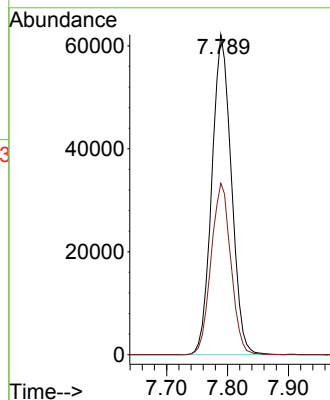
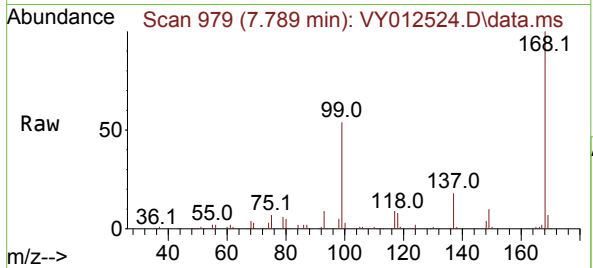




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012524.D
Acq: 07 Feb 2023 17:24

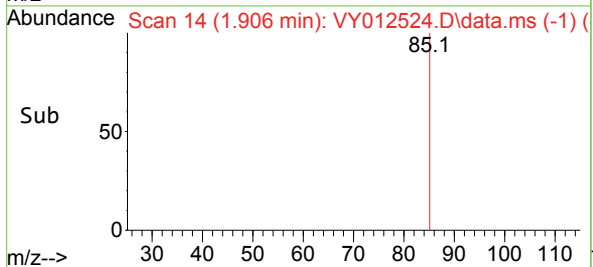
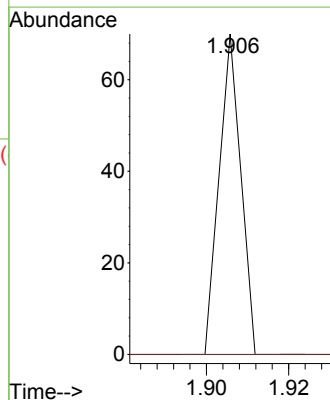
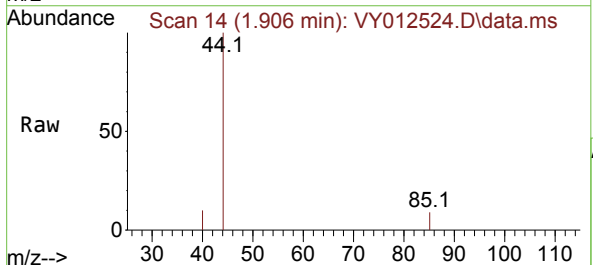
Instrument :
MSVOA_Y
ClientSampleId :
JPP-26-020323

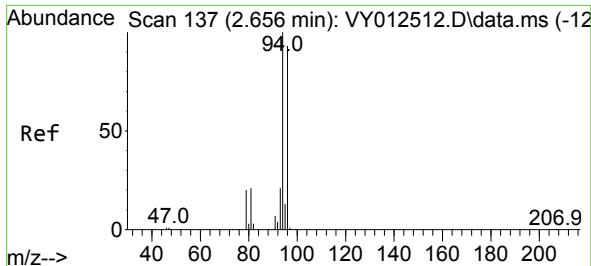
Tgt Ion:168 Resp: 138321
Ion Ratio Lower Upper
168 100
99 53.5 40.8 61.2



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012524.D
Acq: 07 Feb 2023 17:24

Tgt Ion: 85 Resp: 26
Ion Ratio Lower Upper
85 100
87 0.0 16.6 49.8#

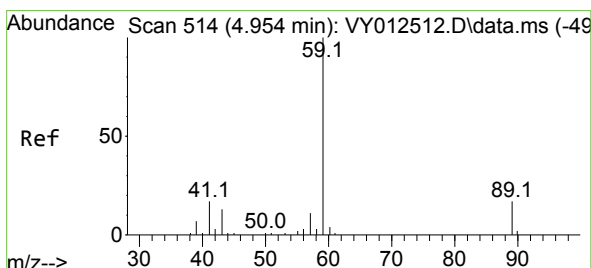
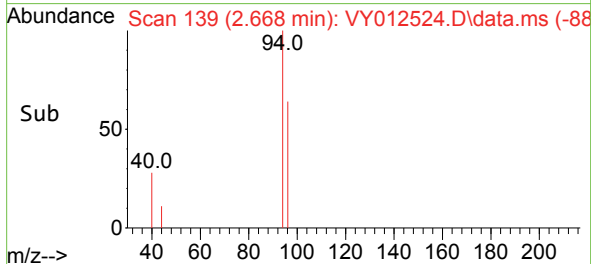
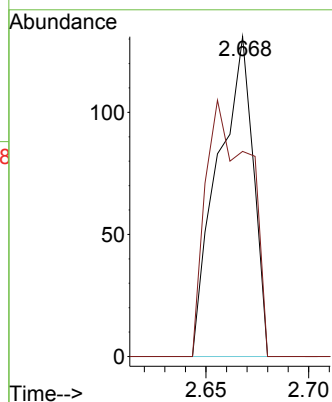
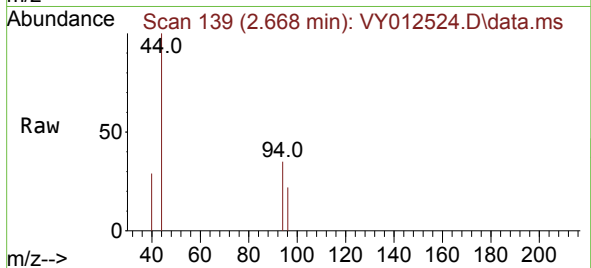




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY012524.D
Acq: 07 Feb 2023 17:24

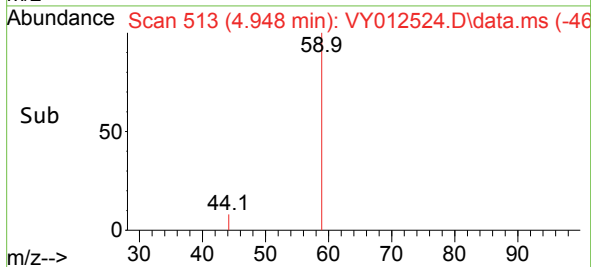
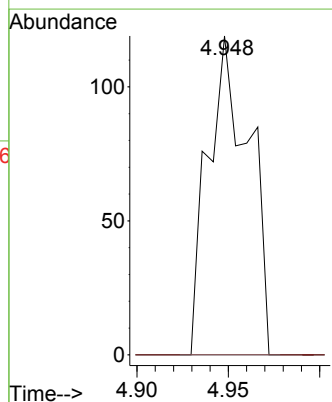
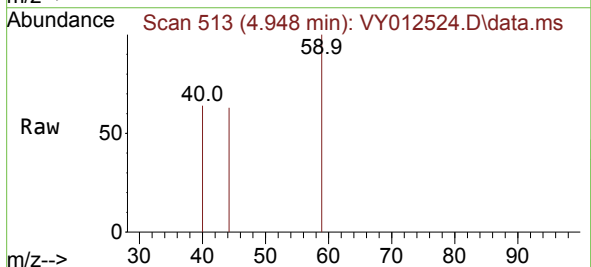
Instrument :
MSVOA_Y
ClientSampleId :
JPP-26-020323

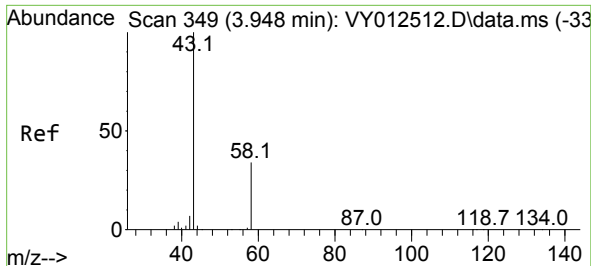
Tgt Ion: 94 Resp: 156
Ion Ratio Lower Upper
94 100
96 64.1 74.7 112.1#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY012524.D
Acq: 07 Feb 2023 17:24

Tgt Ion: 59 Resp: 186
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#





#16

Acetone

Concen: 11.308 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY012524.D

Acq: 07 Feb 2023 17:24

Instrument :

MSVOA_Y

ClientSampleId :

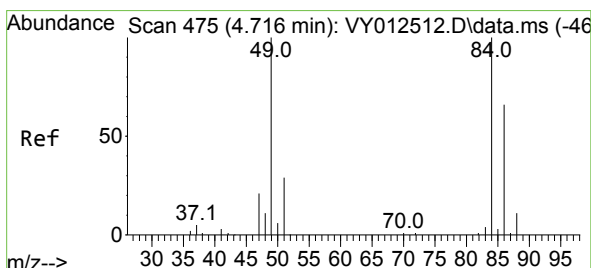
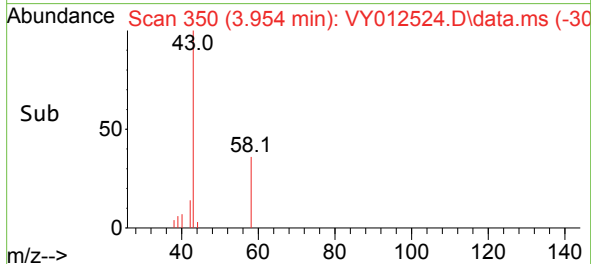
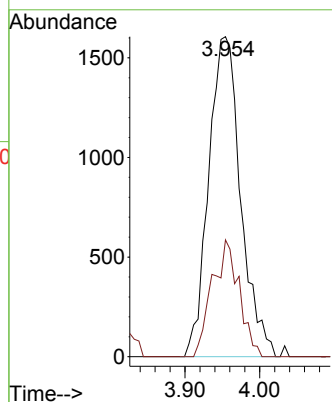
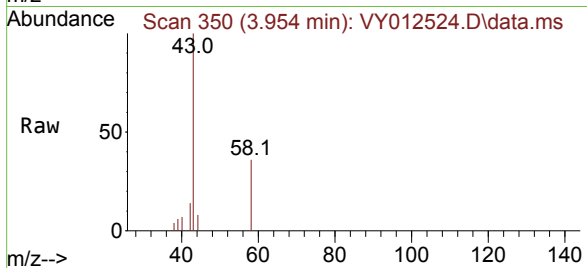
JPP-26-020323

Tgt Ion: 43 Resp: 4787

Ion Ratio Lower Upper

43 100

58 36.5 27.1 40.7



#20

Methylene Chloride

Concen: 1.072 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY012524.D

Acq: 07 Feb 2023 17:24

Tgt Ion: 84 Resp: 8221

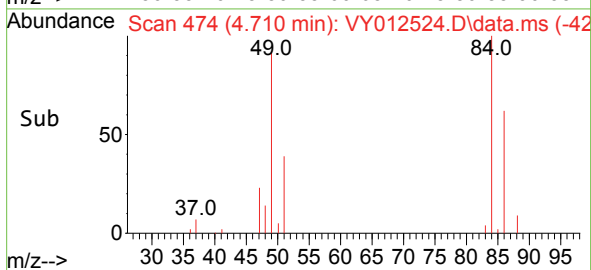
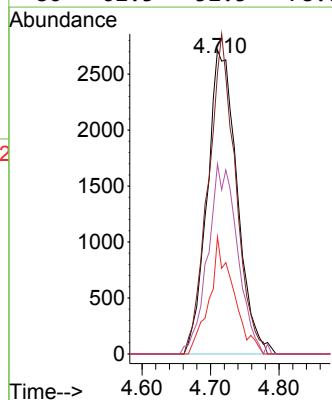
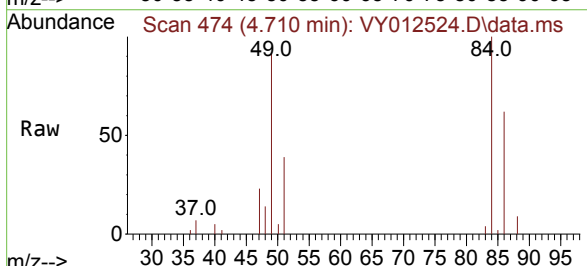
Ion Ratio Lower Upper

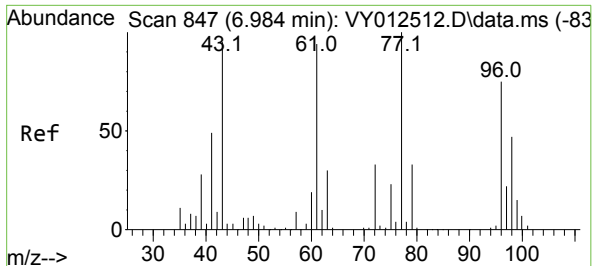
84 100

49 92.3 79.8 119.6

51 38.5 23.4 35.2#

86 62.5 52.5 78.7





#25

2-Butanone

Concen: 1.514 ug/l

RT: 6.996 min Scan# 847

Delta R.T. 0.012 min

Lab File: VY012524.D

Acq: 07 Feb 2023 17:24

Instrument :

MSVOA_Y

ClientSampleId :

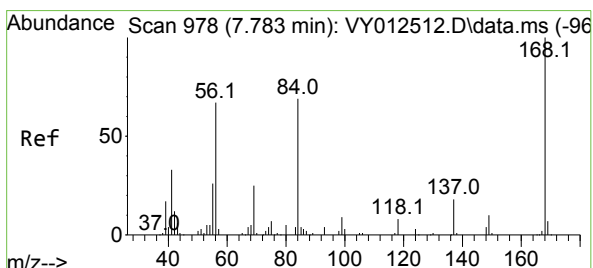
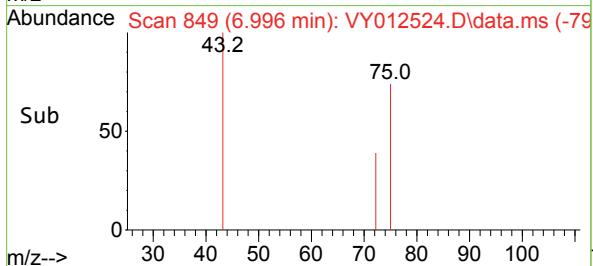
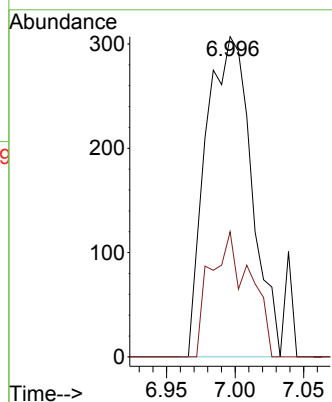
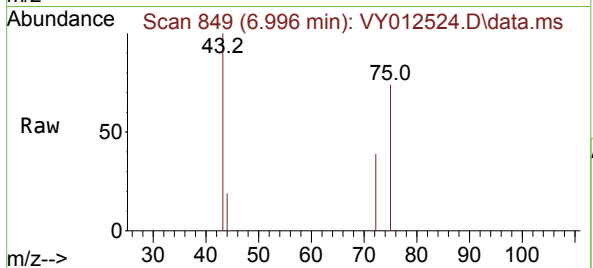
JPP-26-020323

Tgt Ion: 43 Resp: 711

Ion Ratio Lower Upper

43 100

72 39.1 27.4 41.2



#31

Cyclohexane

Concen: 1.268 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012524.D

Acq: 07 Feb 2023 17:24

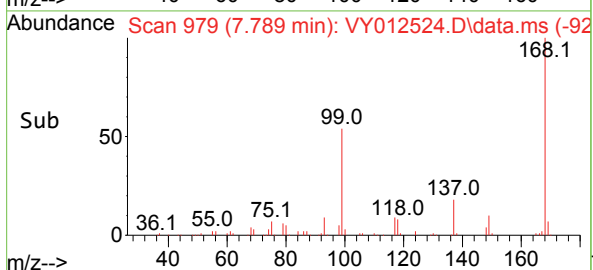
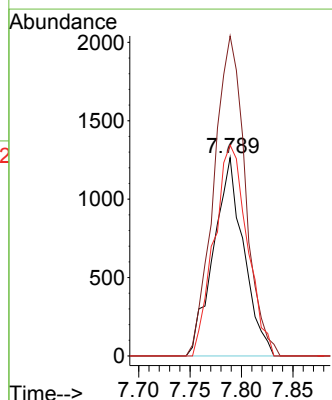
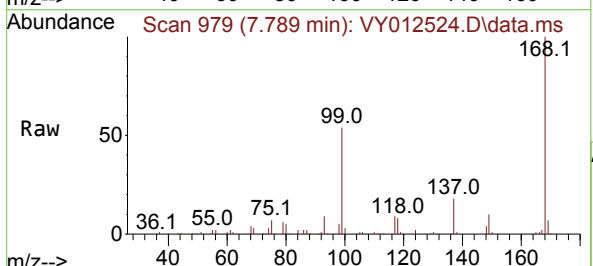
Tgt Ion: 56 Resp: 2578

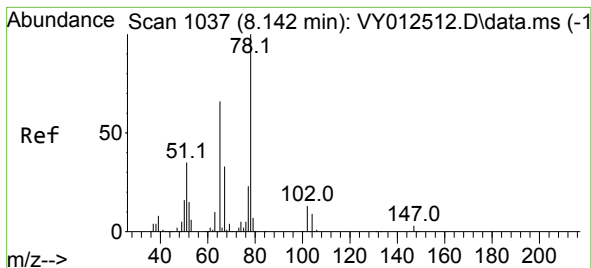
Ion Ratio Lower Upper

56 100

69 161.2 29.5 44.3#

84 106.2 81.9 122.9





#33

1,2-Dichloroethane-d4

Concen: 49.551 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VY012524.D

Acq: 07 Feb 2023 17:24

Instrument :

MSVOA_Y

ClientSampleId :

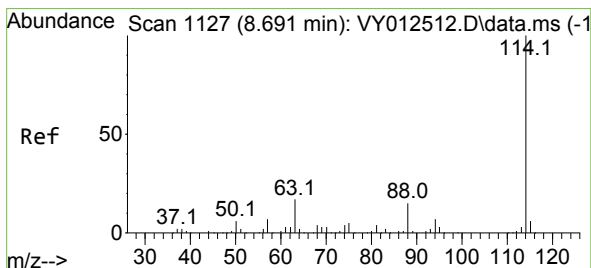
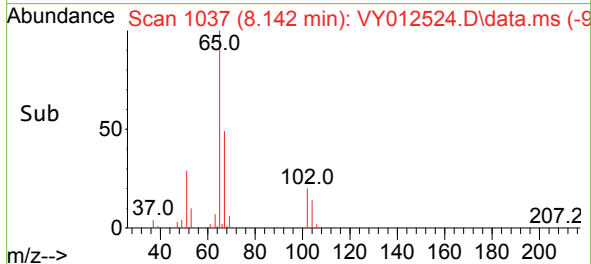
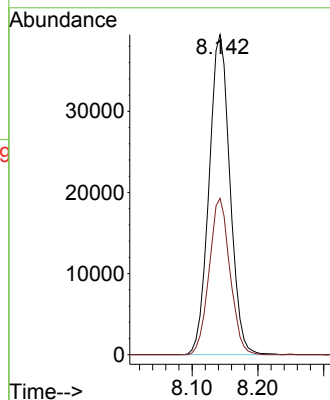
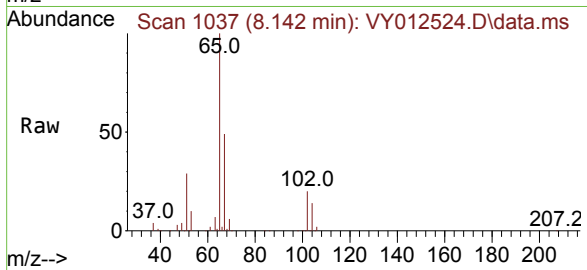
JPP-26-020323

Tgt Ion: 65 Resp: 87157

Ion Ratio Lower Upper

65 100

67 48.6 0.0 98.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012524.D

Acq: 07 Feb 2023 17:24

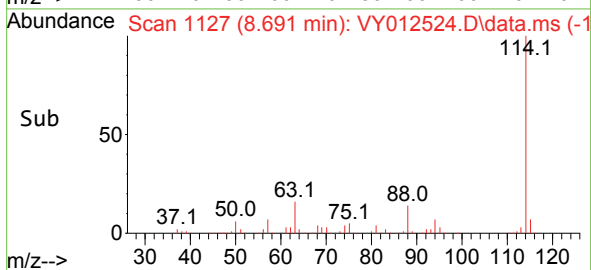
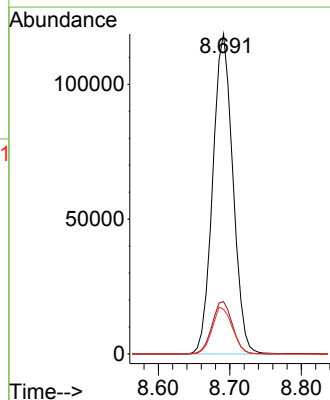
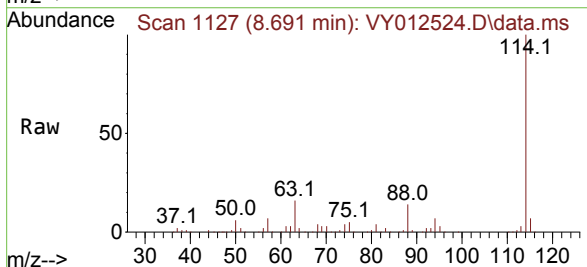
Tgt Ion: 114 Resp: 232282

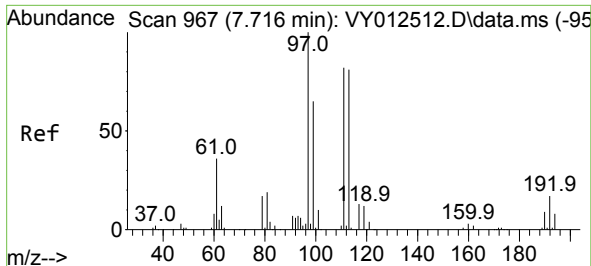
Ion Ratio Lower Upper

114 100

63 16.3 0.0 33.6

88 13.9 0.0 29.8

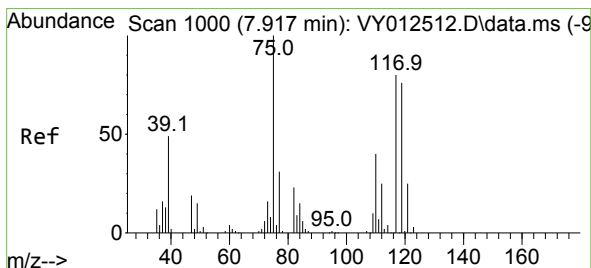
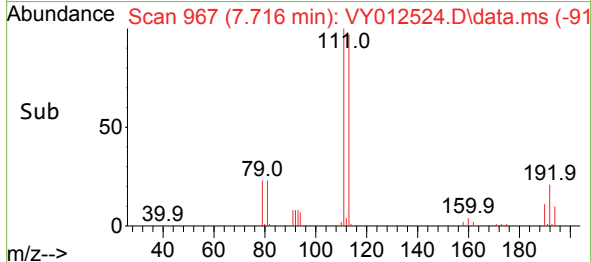
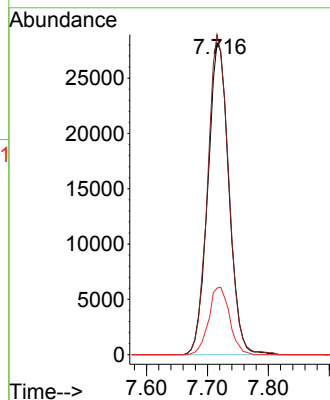
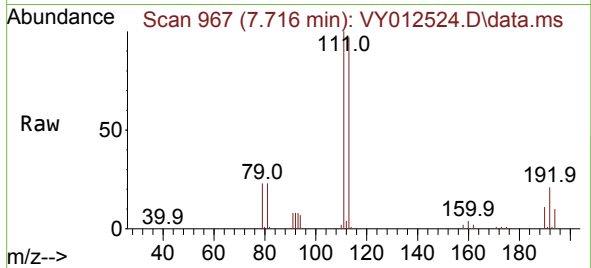




#35
Dibromofluoromethane
Concen: 39.955 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY012524.D
Acq: 07 Feb 2023 17:24

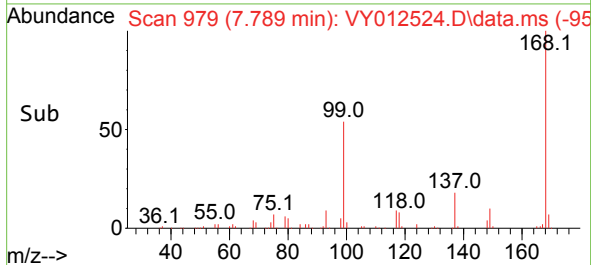
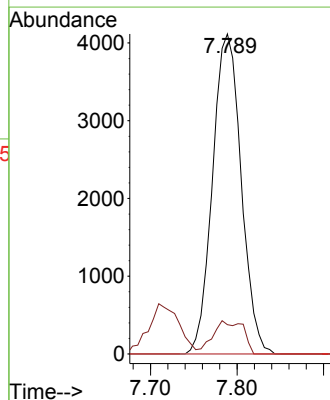
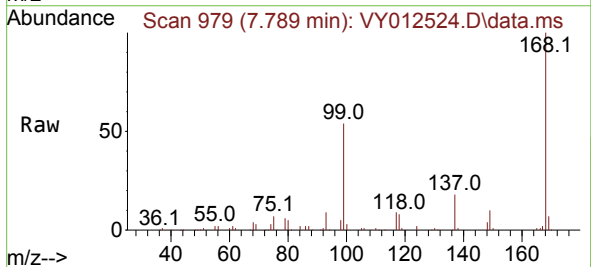
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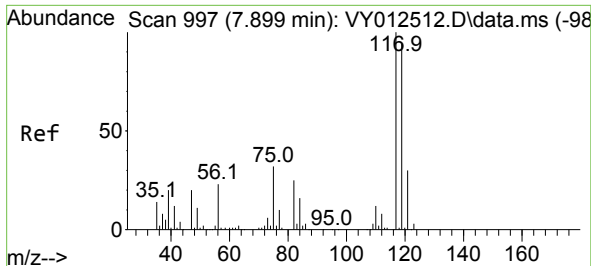
Tgt Ion:113 Resp: 67588
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 21.6 17.5 26.3



#36
1,1-Dichloropropene
Concen: 4.125 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012524.D
Acq: 07 Feb 2023 17:24

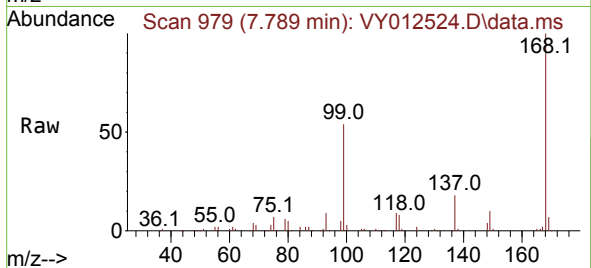
Tgt Ion: 75 Resp: 9444
Ion Ratio Lower Upper
75 100
110 10.9 19.5 58.5#
77 0.0 24.9 37.3#



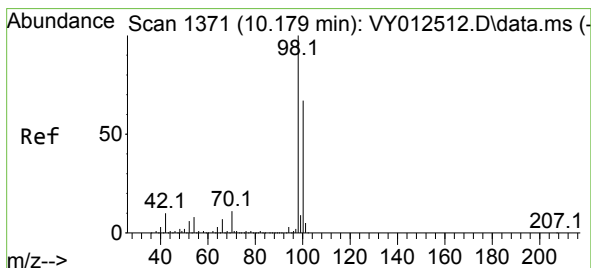
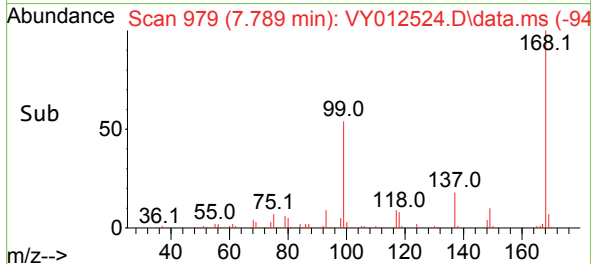
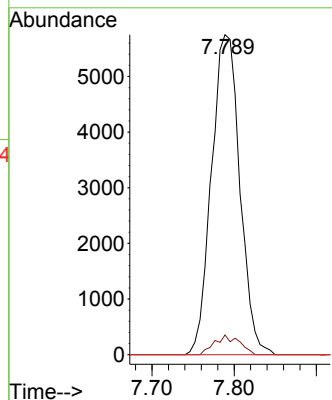


#38
Carbon Tetrachloride
Concen: 4.489 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012524.D
Acq: 07 Feb 2023 17:24

Instrument :
MSVOA_Y
ClientSampleId :
JPP-26-020323

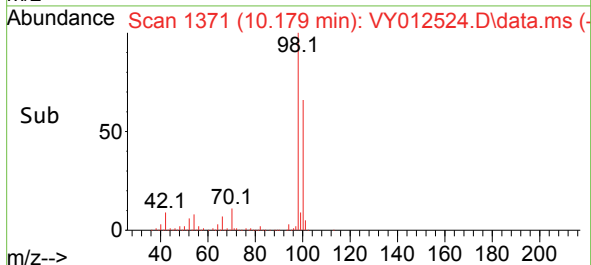
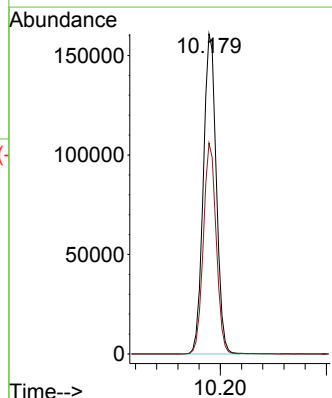
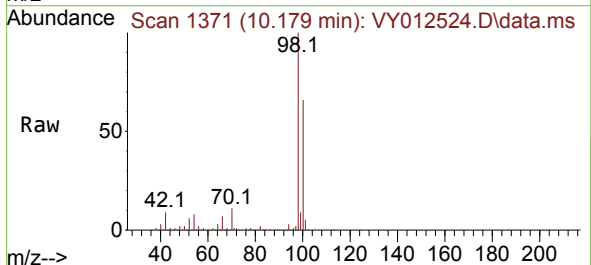


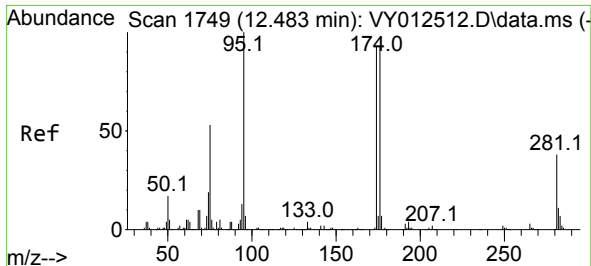
Tgt Ion:117 Resp: 13795
Ion Ratio Lower Upper
117 100
119 6.1 75.1 112.7#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 38.783 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY012524.D
Acq: 07 Feb 2023 17:24

Tgt Ion: 98 Resp: 273074
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2

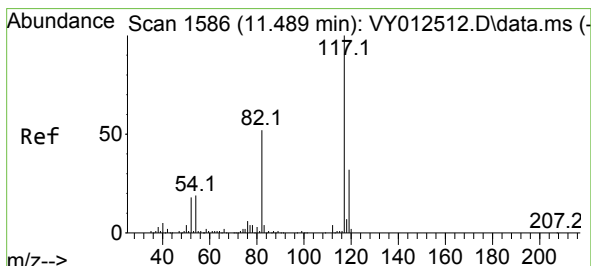
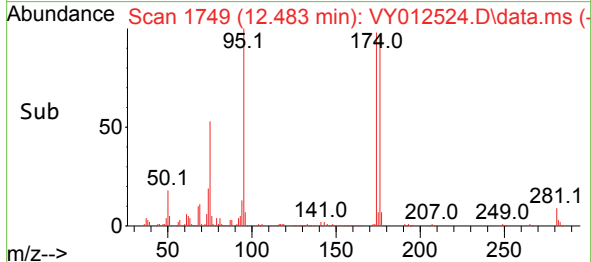
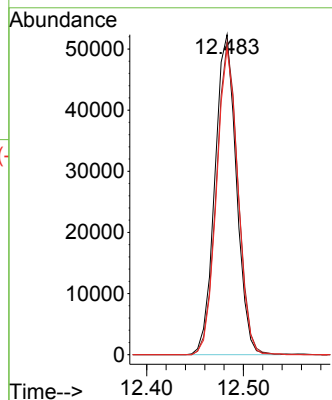
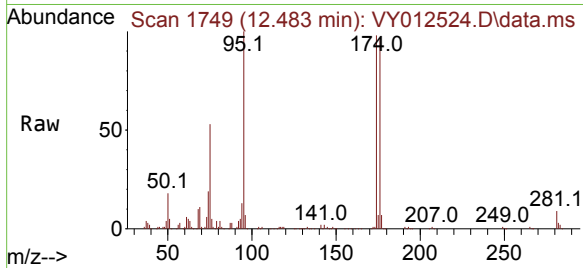




#62
4-Bromofluorobenzene
Concen: 32.955 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012524.D
Acq: 07 Feb 2023 17:24

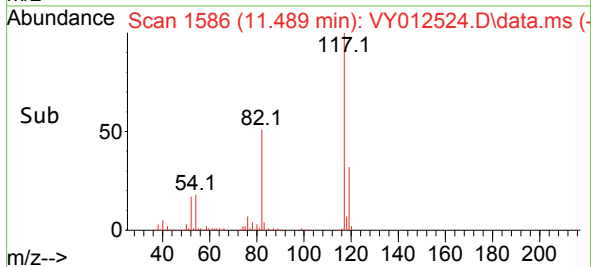
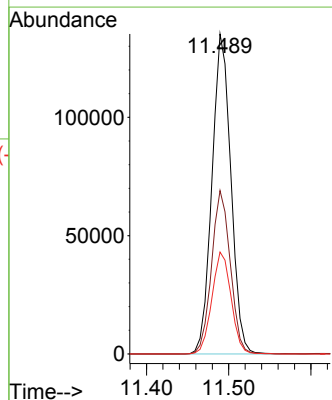
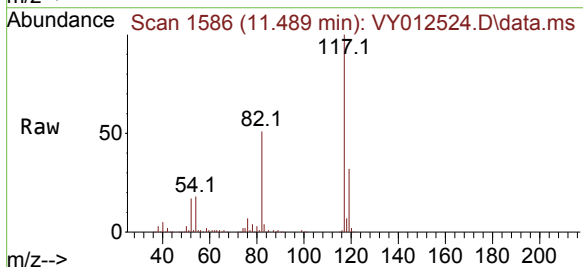
Instrument :
MSVOA_Y
ClientSampleId :
JPP-26-020323

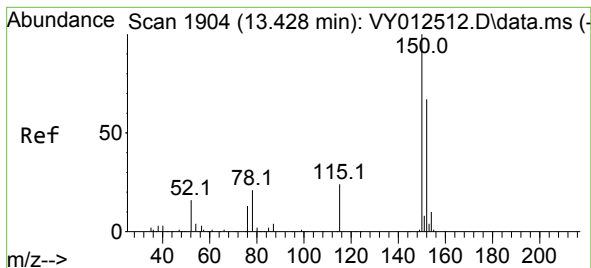
Tgt Ion:	95	Resp:	80935
Ion	Ratio	Lower	Upper
95	100		
174	97.6	0.0	188.0
176	94.4	0.0	183.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY012524.D
Acq: 07 Feb 2023 17:24

Tgt Ion:	117	Resp:	216469
Ion	Ratio	Lower	Upper
117	100		
82	51.0	41.7	62.5
119	31.9	25.8	38.8

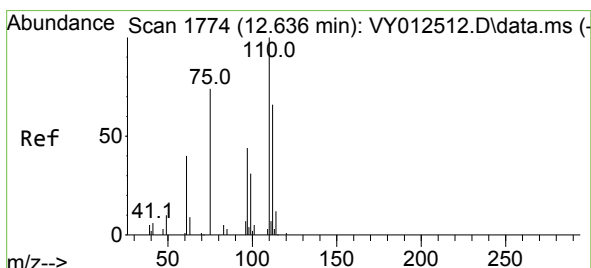
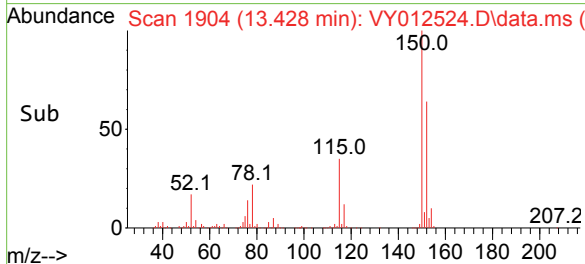
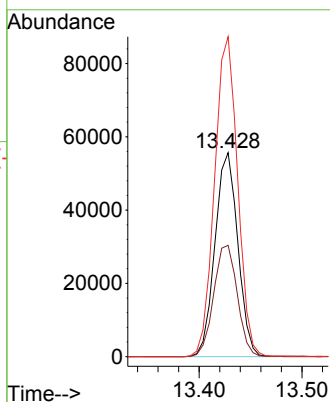
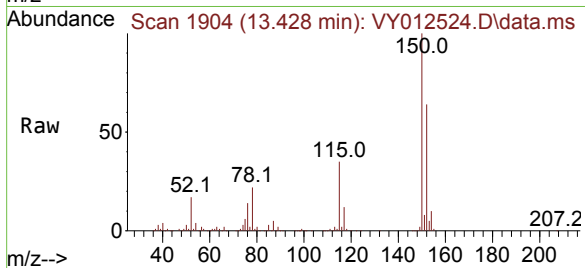




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY012524.D
 Acq: 07 Feb 2023 17:24

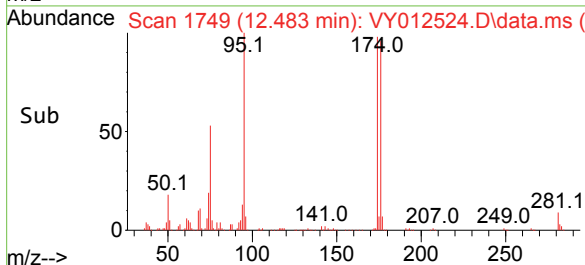
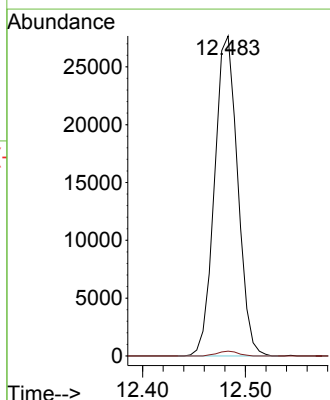
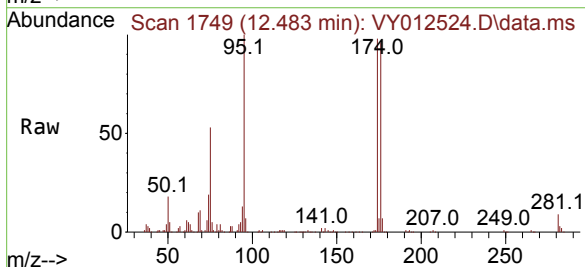
Instrument :
 MSVOA_Y
 ClientSampleId :
 JPP-26-020323

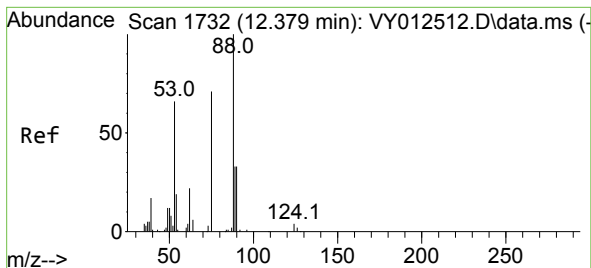
Tgt Ion:152 Resp: 85932
 Ion Ratio Lower Upper
 152 100
 115 56.5 28.1 84.3
 150 158.2 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 45.011 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012524.D
 Acq: 07 Feb 2023 17:24

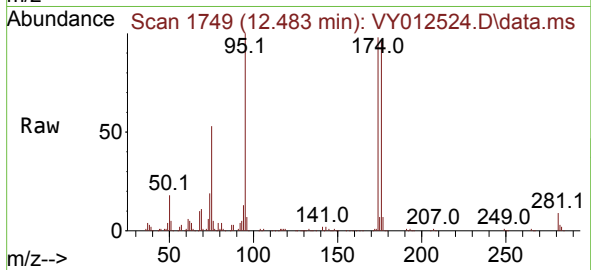
Tgt Ion: 75 Resp: 43213
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.501 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY012524.D
 Acq: 07 Feb 2023 17:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 JPP-26-020323



Tgt Ion: 75 Resp: 43213
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.1 109.7#
 89 0.0 39.9 59.9#

