

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021723\
 Data File : VY012660.D
 Acq On : 17 Feb 2023 18:50
 Operator : KP/MD
 Sample : 01606-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-210

Quant Time: Feb 17 22:49:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 18:08:19 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	109940	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	186353	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	197848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	99132	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	70352	50.323	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	100.640%
35) Dibromofluoromethane	7.715	113	57068	42.050	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	84.100%
50) Toluene-d8	10.178	98	223231	39.518	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	79.040%
62) 4-Bromofluorobenzene	12.483	95	79848	40.526	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	81.060%

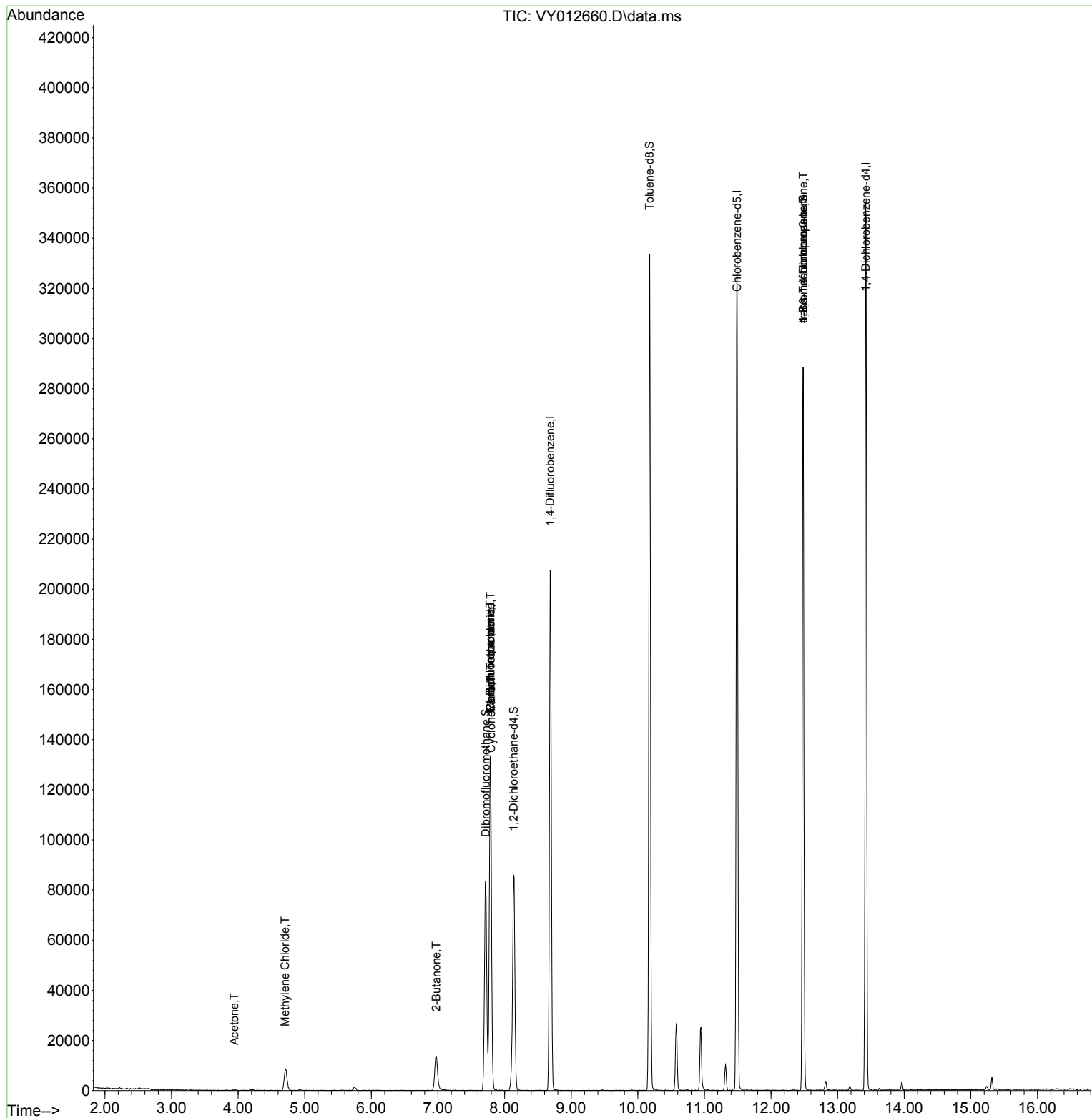
Target Compounds					Qvalue
5) Bromomethane	2.668	94	41	Below Cal	# 3
11) Tert butyl alcohol	4.941	59	216	Below Cal	# 75
16) Acetone	3.942	43	450	1.337	ug/l # 63
20) Methylene Chloride	4.704	84	7472	1.887	ug/l # 90
25) 2-Butanone	6.972	43	667	1.787	ug/l # 40
31) Cyclohexane	7.795	56	1868	1.156	ug/l # 45
36) 1,1-Dichloropropene	7.782	75	6834	3.721	ug/l # 51
38) Carbon Tetrachloride	7.789	117	10069	4.084	ug/l # 16
76) 1,2,3-Trichloropropane	12.483	75	42305	38.197	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.483	75	42305	86.137	ug/l # 12

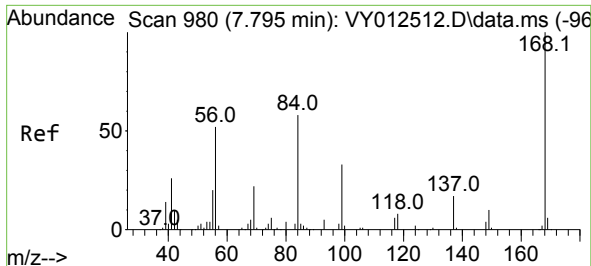
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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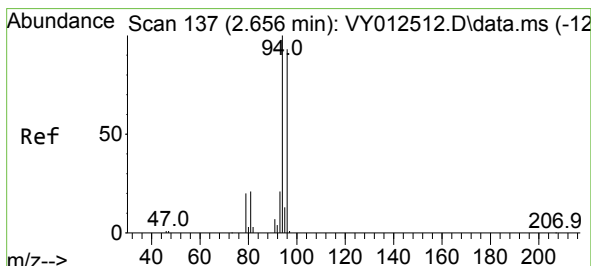
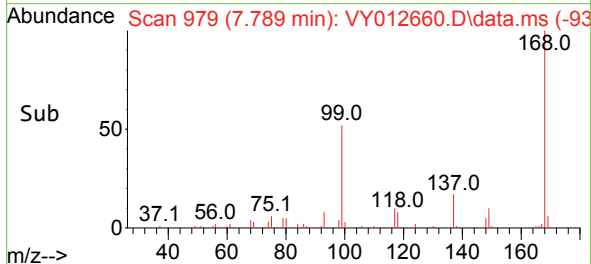
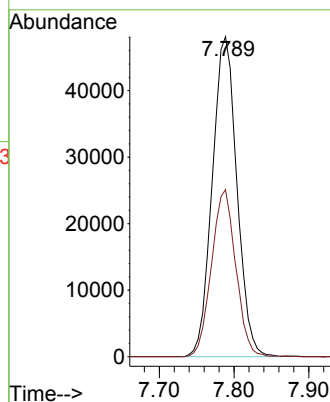
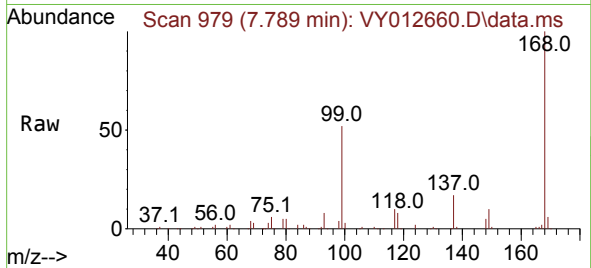




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012660.D
Acq: 17 Feb 2023 18:50

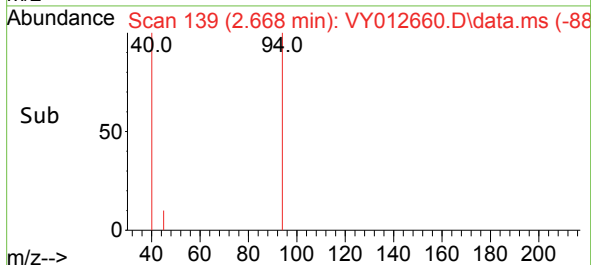
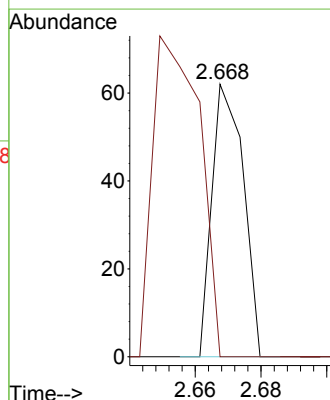
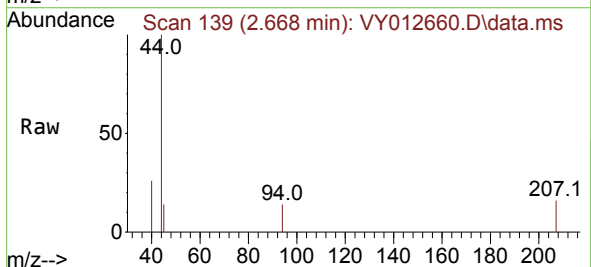
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

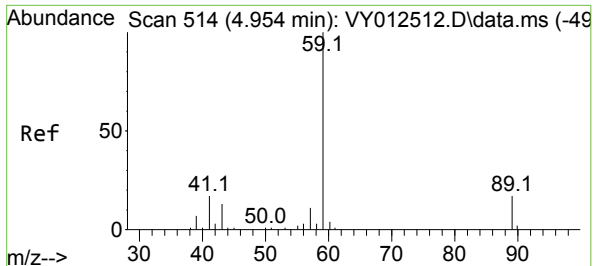
Tgt Ion:168 Resp: 109940
Ion Ratio Lower Upper
168 100
99 52.2 40.8 61.2



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.011 min
Lab File: VY012660.D
Acq: 17 Feb 2023 18:50

Tgt Ion: 94 Resp: 41
Ion Ratio Lower Upper
94 100
96 0.0 74.7 112.1#

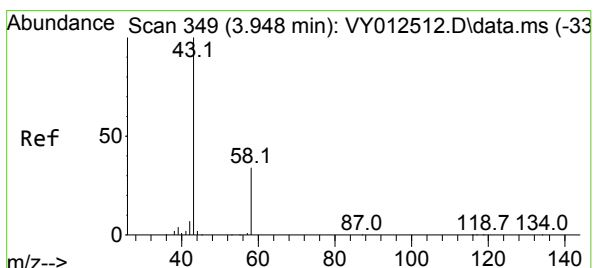
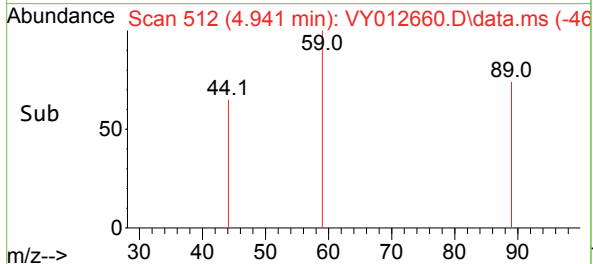
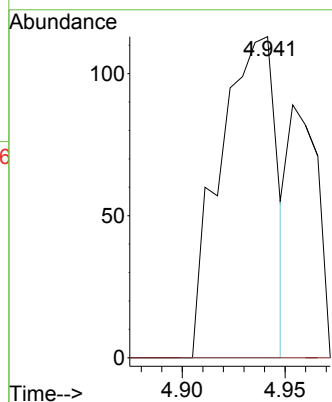
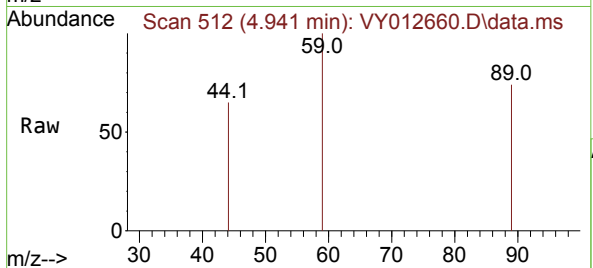




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.941 min Scan# 514
Delta R.T. -0.013 min
Lab File: VY012660.D
Acq: 17 Feb 2023 18:50

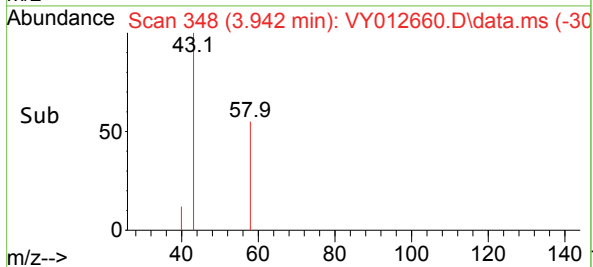
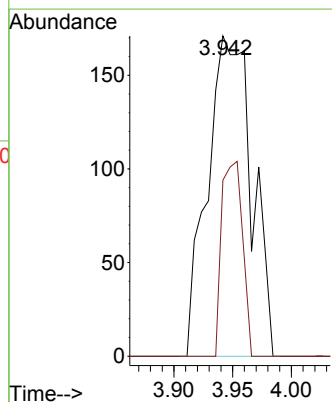
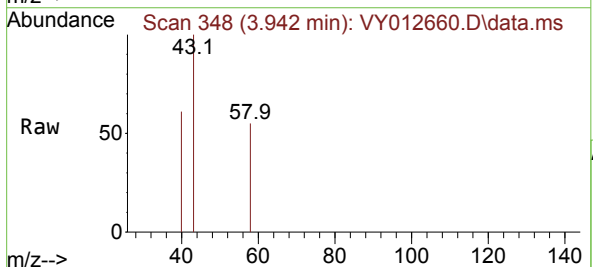
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

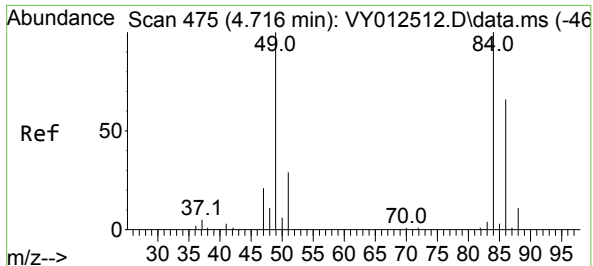
Tgt Ion: 59 Resp: 216
Ion Ratio Lower Upper
59 100
57 0.0 7.2 10.8#



#16
Acetone
Concen: 1.337 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY012660.D
Acq: 17 Feb 2023 18:50

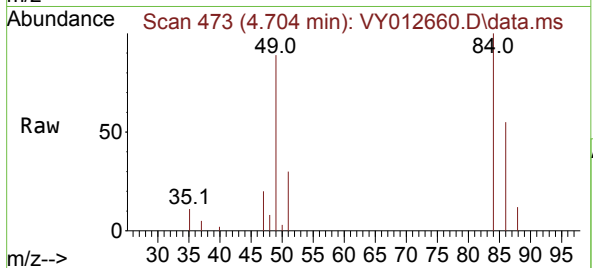
Tgt Ion: 43 Resp: 450
Ion Ratio Lower Upper
43 100
58 55.0 27.1 40.7#



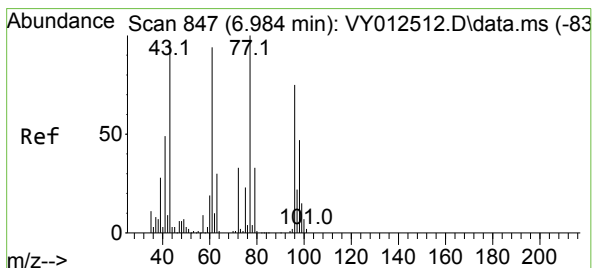
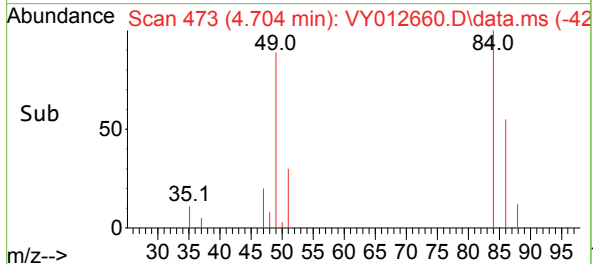
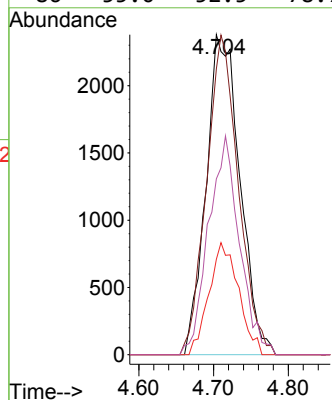


#20
Methylene Chloride
Concen: 1.887 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY012660.D
Acq: 17 Feb 2023 18:50

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

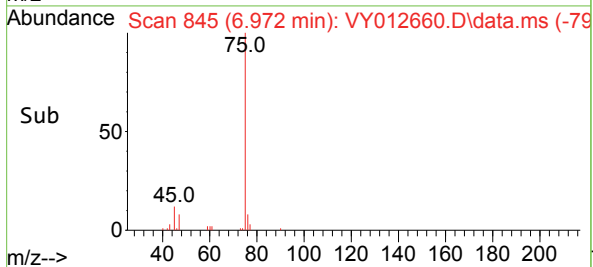
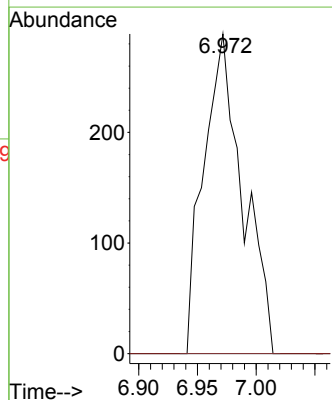
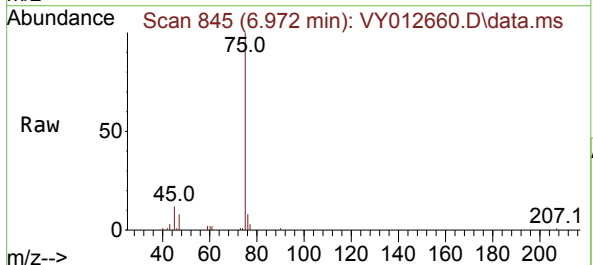


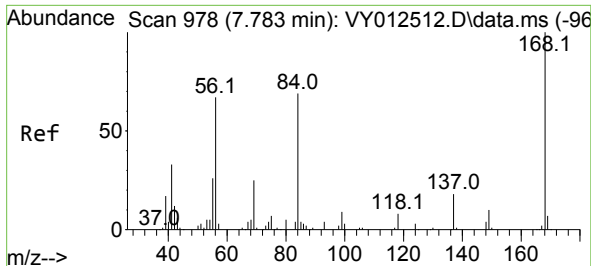
Tgt Ion: 84	Resp: 7472
Ion Ratio	Lower Upper
84 100	
49 89.3	79.8 119.6
51 29.8	23.4 35.2
86 55.0	52.5 78.7



#25
2-Butanone
Concen: 1.787 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY012660.D
Acq: 17 Feb 2023 18:50

Tgt Ion: 43	Resp: 667		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	27.4	41.2#	

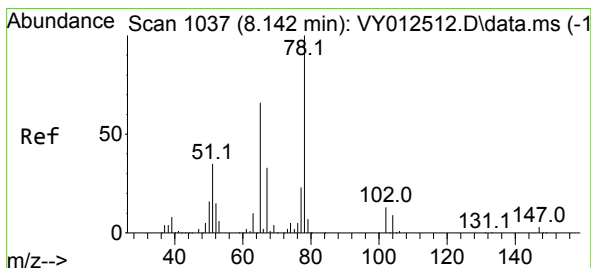
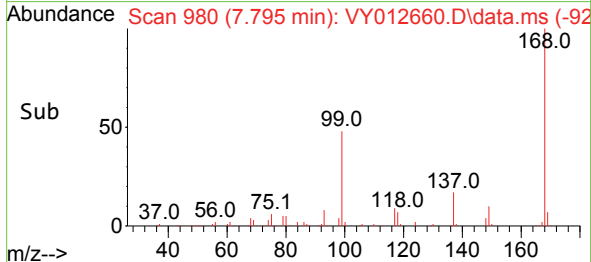
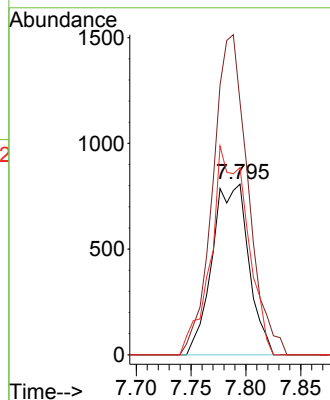
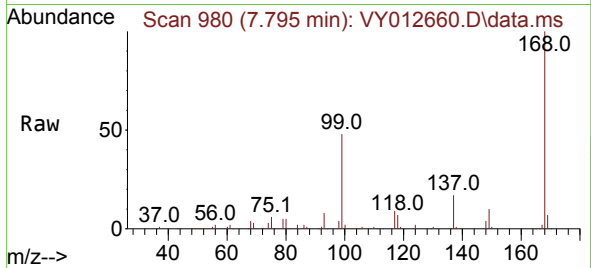




#31
Cyclohexane
Concen: 1.156 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY012660.D
Acq: 17 Feb 2023 18:50

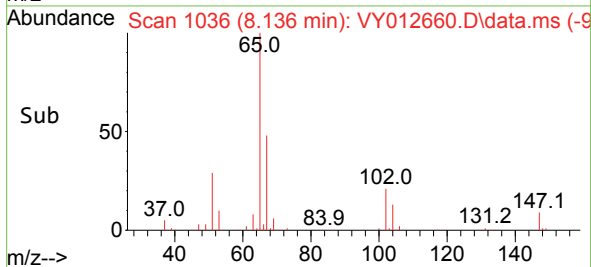
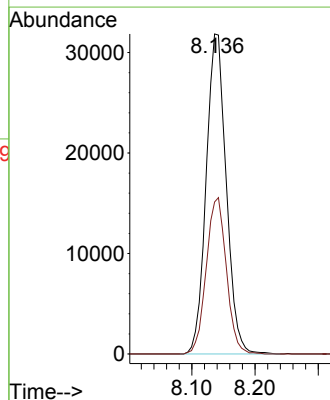
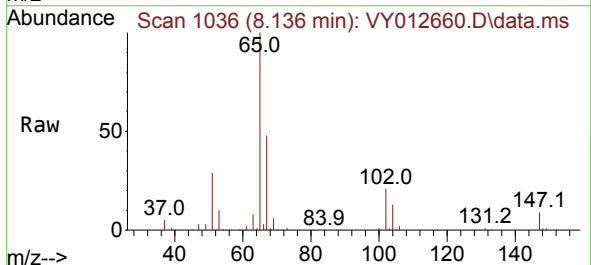
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

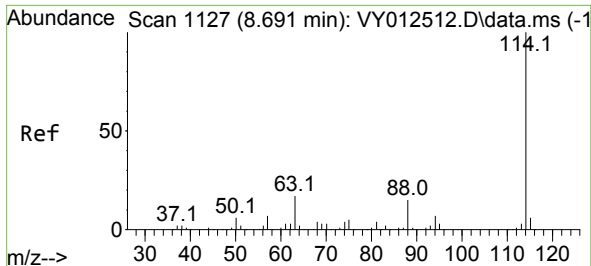
Tgt Ion: 56 Resp: 1868
Ion Ratio Lower Upper
56 100
69 148.0 29.5 44.3#
84 109.7 81.9 122.9



#33
1,2-Dichloroethane-d4
Concen: 50.323 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY012660.D
Acq: 17 Feb 2023 18:50

Tgt Ion: 65 Resp: 70352
Ion Ratio Lower Upper
65 100
67 48.9 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: VY012660.D

Acq: 17 Feb 2023 18:50

Instrument :

MSVOA_Y

ClientSampleId :

VNJ-210

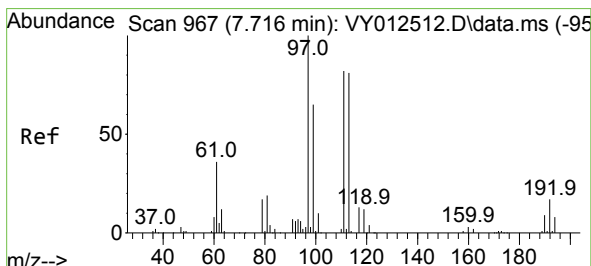
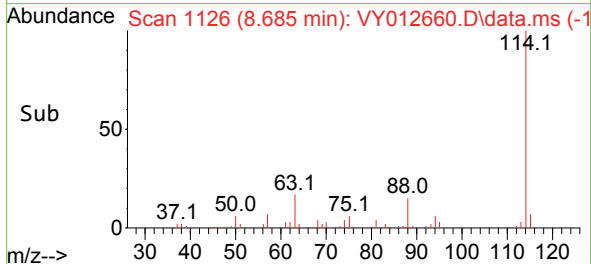
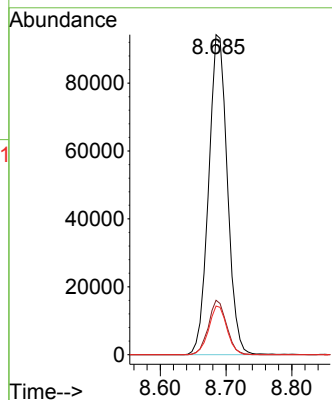
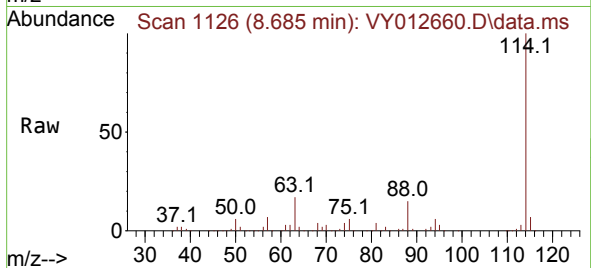
Tgt Ion:114 Resp: 186353

Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.6

88 15.2 0.0 29.8



#35

Dibromofluoromethane

Concen: 42.050 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012660.D

Acq: 17 Feb 2023 18:50

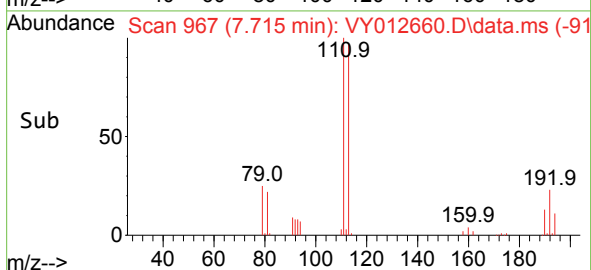
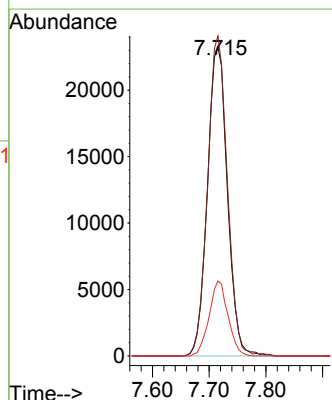
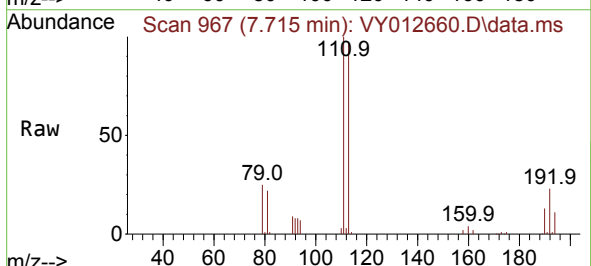
Tgt Ion:113 Resp: 57068

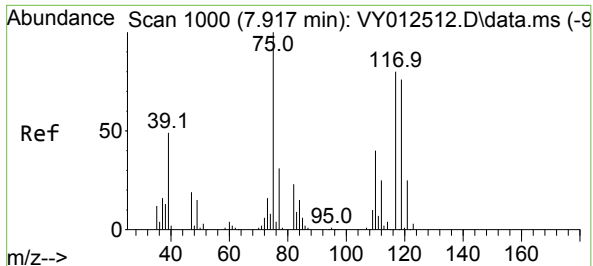
Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

192 22.9 17.5 26.3

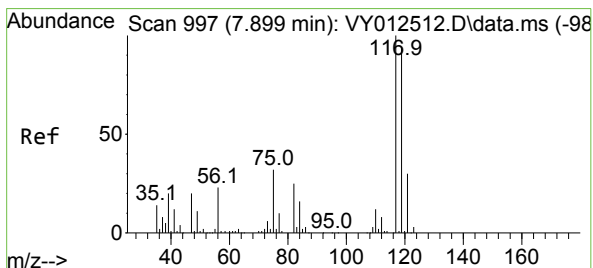
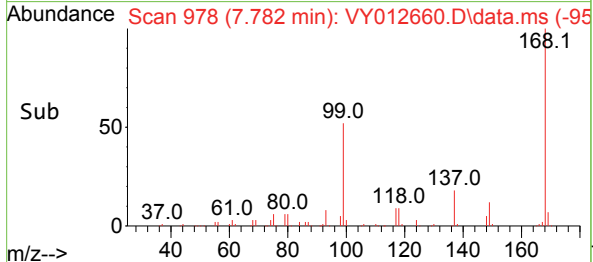
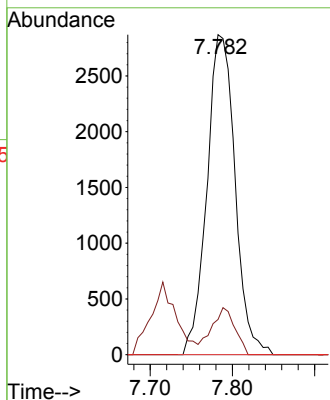
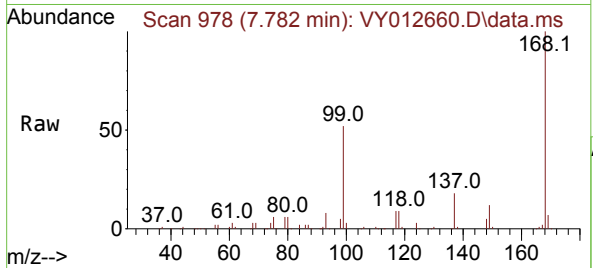




#36
1,1-Dichloropropene
Concen: 3.721 ug/l
RT: 7.782 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY012660.D
Acq: 17 Feb 2023 18:50

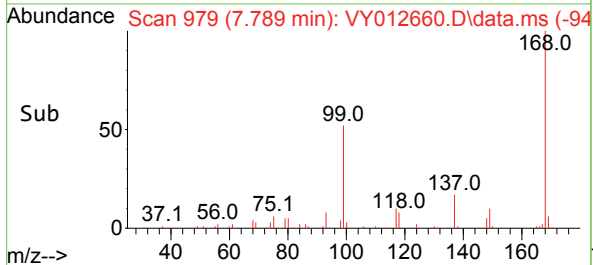
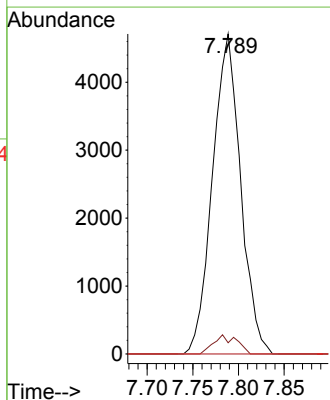
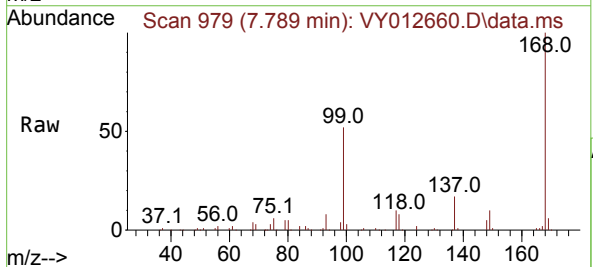
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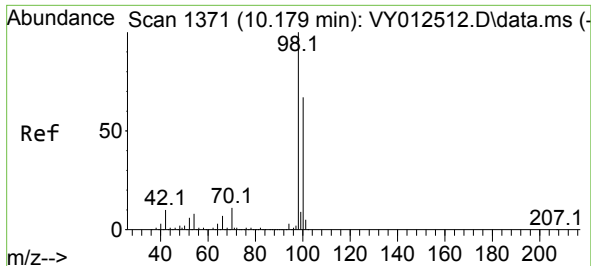
Tgt Ion: 75 Resp: 6834
Ion Ratio Lower Upper
75 100
110 12.2 19.5 58.5#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 4.084 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY012660.D
Acq: 17 Feb 2023 18:50

Tgt Ion: 117 Resp: 10069
Ion Ratio Lower Upper
117 100
119 3.5 75.1 112.7#
121 0.0 24.3 36.5#

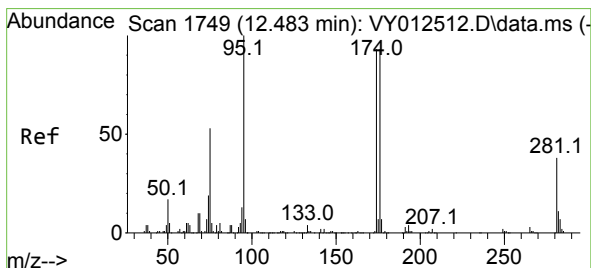
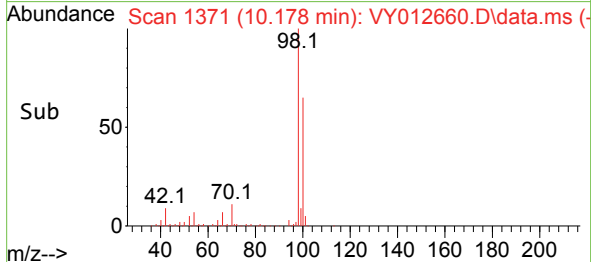
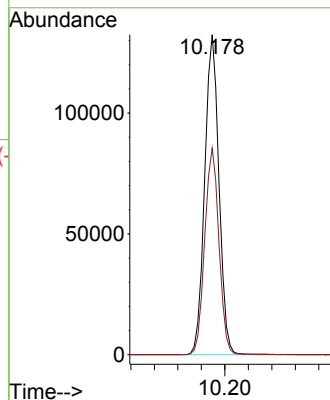
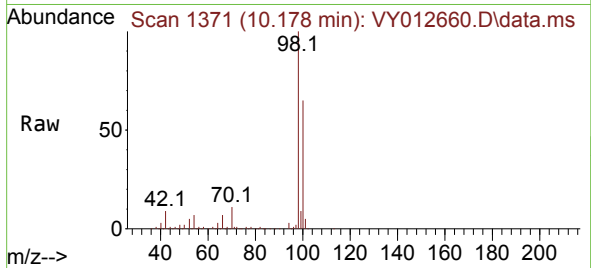




#50
Toluene-d8
Concen: 39.518 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012660.D
Acq: 17 Feb 2023 18:50

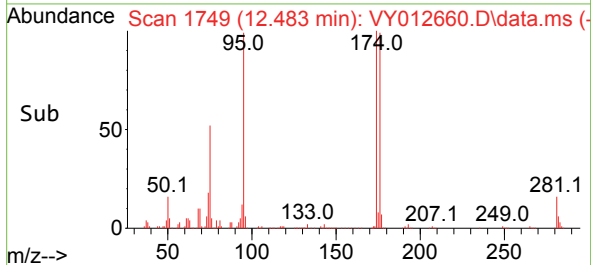
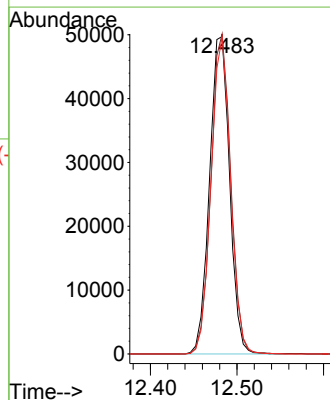
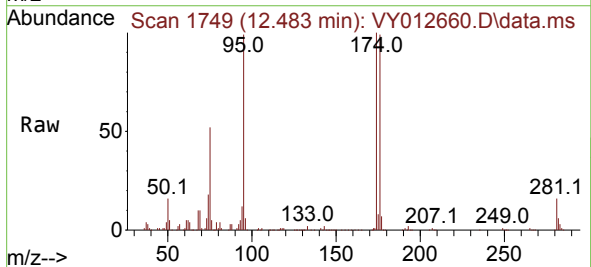
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

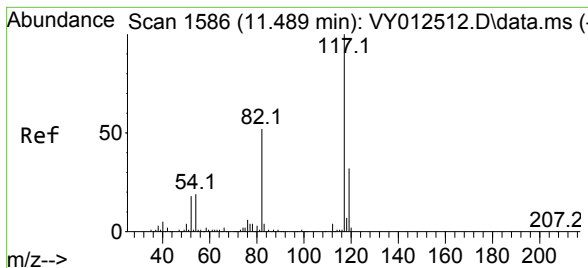
Tgt Ion: 98 Resp: 223231
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 40.526 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012660.D
Acq: 17 Feb 2023 18:50

Tgt Ion: 95 Resp: 79848
Ion Ratio Lower Upper
95 100
174 99.1 0.0 188.0
176 96.7 0.0 183.6

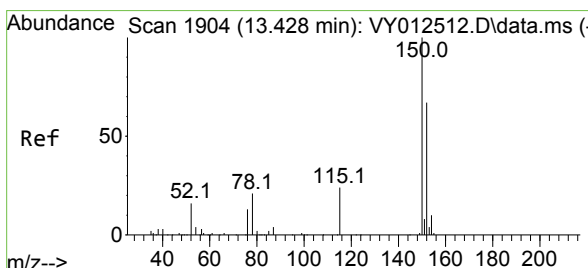
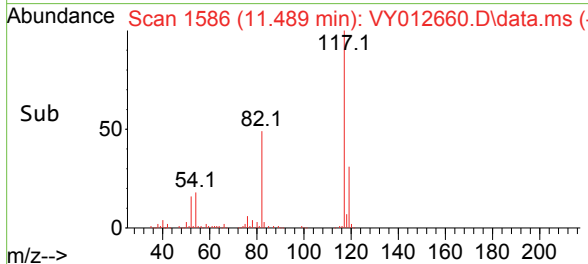
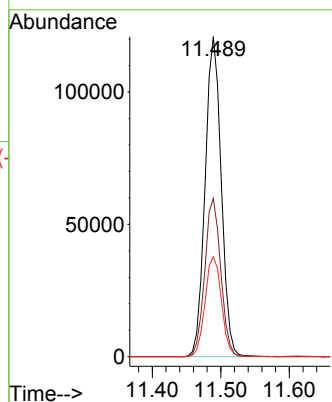
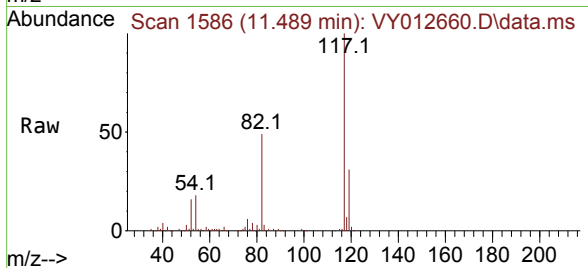




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012660.D
Acq: 17 Feb 2023 18:50

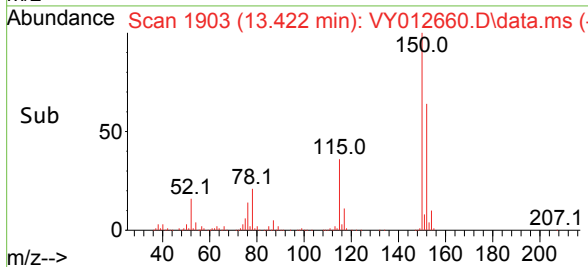
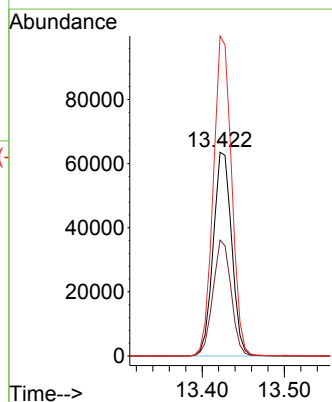
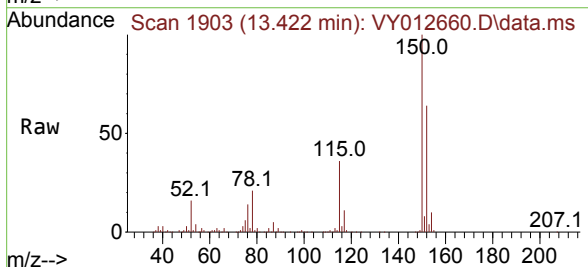
Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

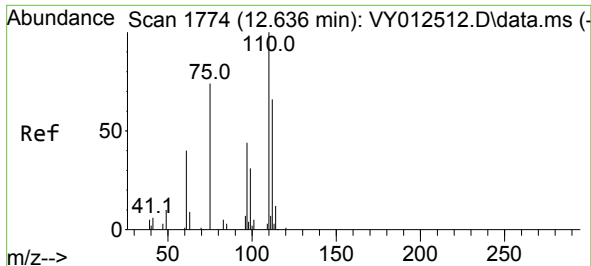
Tgt Ion:117 Resp: 197848
Ion Ratio Lower Upper
117 100
82 49.4 41.7 62.5
119 31.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012660.D
Acq: 17 Feb 2023 18:50

Tgt Ion:152 Resp: 99132
Ion Ratio Lower Upper
152 100
115 56.0 28.1 84.3
150 155.8 0.0 351.0

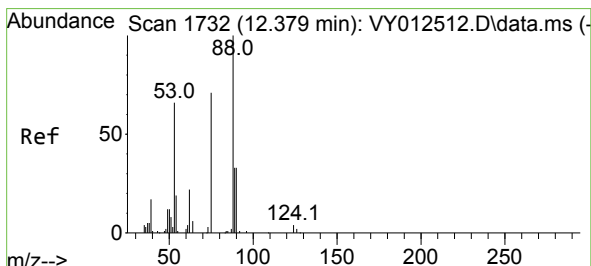
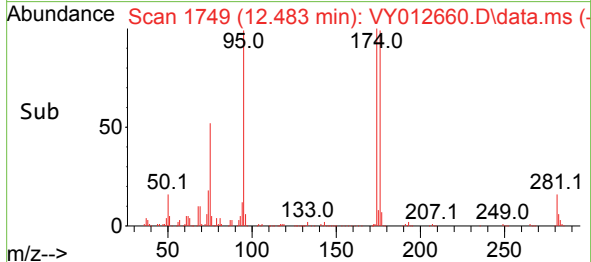
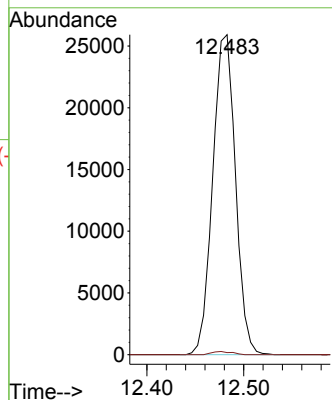
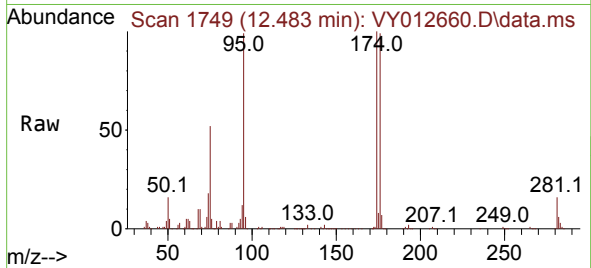




#76
1,2,3-Trichloropropane
Concen: 38.197 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY012660.D
Acq: 17 Feb 2023 18:50

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-210

Tgt Ion: 75 Resp: 42305
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.137 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY012660.D
Acq: 17 Feb 2023 18:50

Tgt Ion: 75 Resp: 42305
Ion Ratio Lower Upper
75 100
53 0.0 73.1 109.7#
89 0.1 39.9 59.9#

