

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121923\
 Data File : VY016712.D
 Acq On : 19 Dec 2023 22:47
 Operator : SY/MD
 Sample : 05827-03
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 20 06:41:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 20 05:26:40 2023
 Response via : Initial Calibration

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

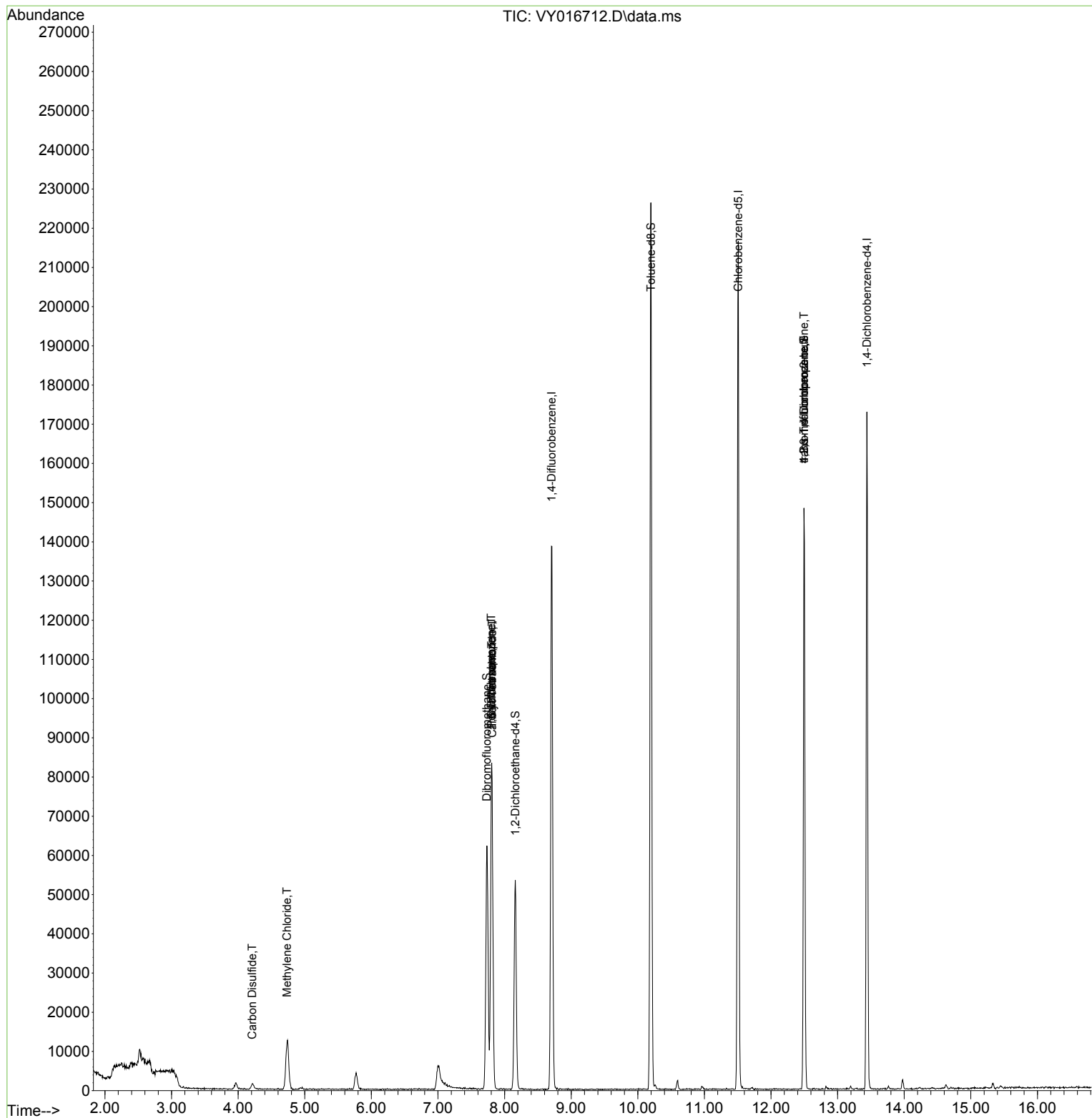
Internal Standards						
1) Pentafluorobenzene	7.801	168	69778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	123977	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.507	117	116595	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.440	152	45062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	41610	72.094	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.180%	
35) Dibromofluoromethane	7.734	113	43699	59.847	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.700%	
50) Toluene-d8	10.197	98	148986	56.340	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 112.680%	
62) 4-Bromofluorobenzene	12.495	95	38712	51.486	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.980%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.918	85	20	Below Cal	#	43
3) Chloromethane	2.131	50	30	Below Cal	#	41
11) Tert butyl alcohol	4.966	59	296	Below Cal	#	73
16) Acetone	3.966	43	2840	Below Cal	#	81
17) Carbon Disulfide	4.210	76	1918	1.233	ug/l #	75
20) Methylene Chloride	4.734	84	9552	11.182	ug/l	94
25) 2-Butanone	6.990	43	267	Below Cal	#	42
31) Cyclohexane	7.807	56	1463	1.549	ug/l #	45
36) 1,1-Dichloropropene	7.801	75	5952	5.389	ug/l #	47
38) Carbon Tetrachloride	7.813	117	6265	5.257	ug/l #	17
76) 1,2,3-Trichloropropane	12.495	75	22076	56.359	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	22076	129.309	ug/l #	18

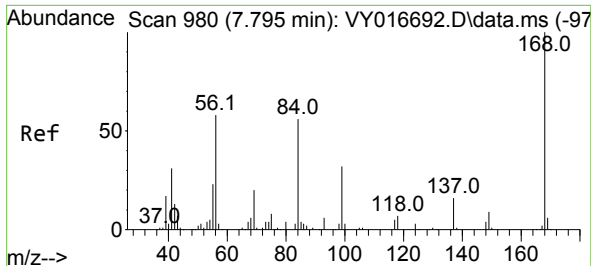
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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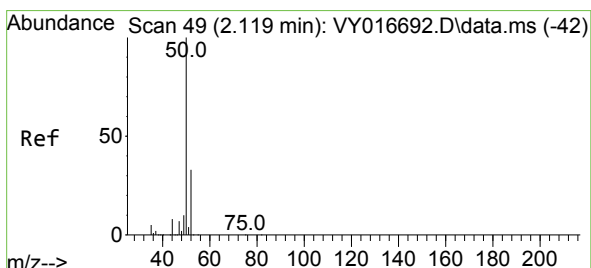
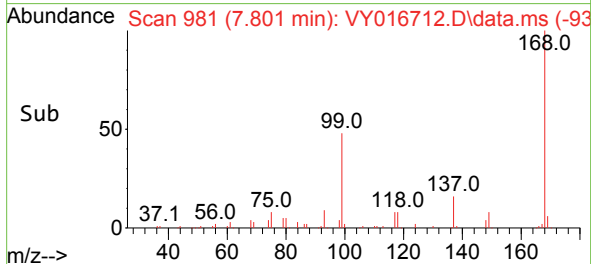
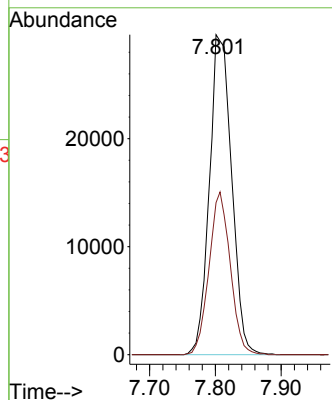
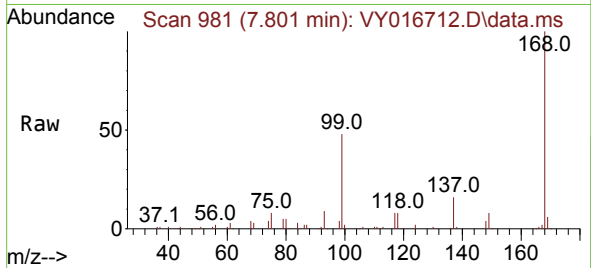




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY016712.D
Acq: 19 Dec 2023 22:47

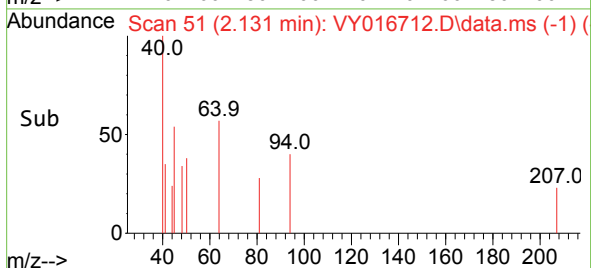
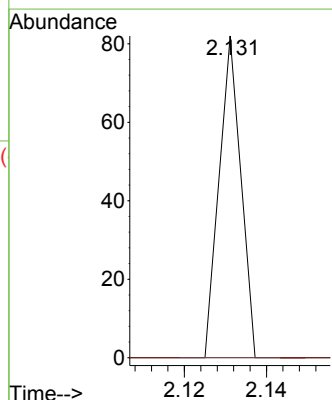
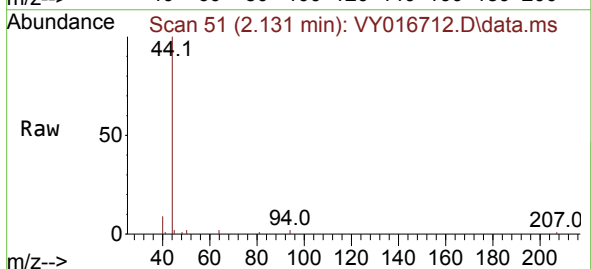
Instrument :
MSVOA_Y
ClientSampleId :

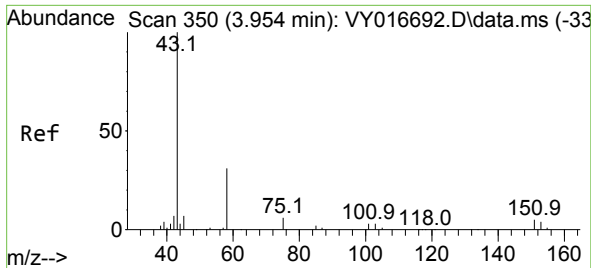
Tgt Ion:168 Resp: 69778
Ion Ratio Lower Upper
168 100
99 47.5 40.2 60.4



#3
Chloromethane
Concen: Below Cal
RT: 2.131 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY016712.D
Acq: 19 Dec 2023 22:47

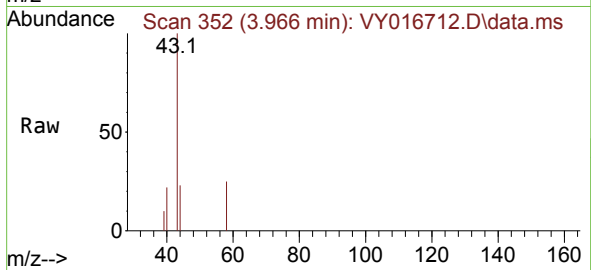
Tgt Ion: 50 Resp: 30
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#



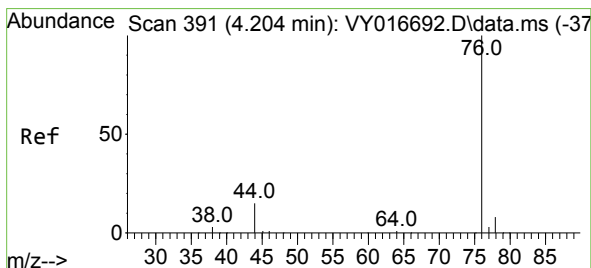
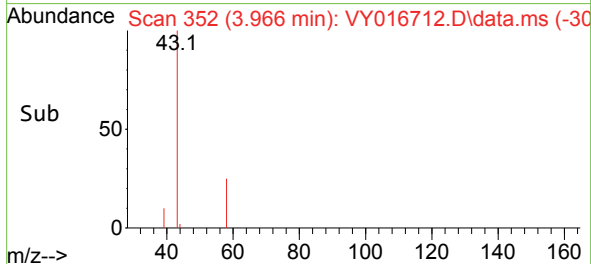
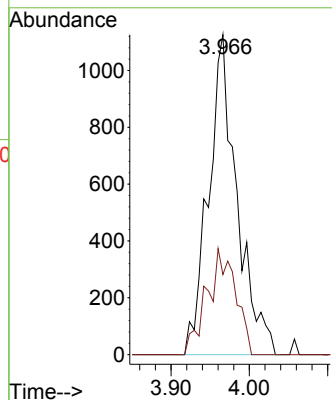


#16
Acetone
Concen: Below Cal
RT: 3.966 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY016712.D
Acq: 19 Dec 2023 22:47

Instrument :
MSVOA_Y
ClientSampleId :

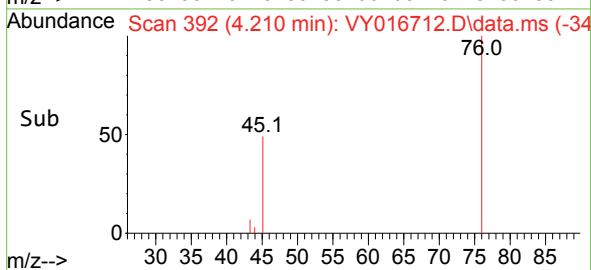
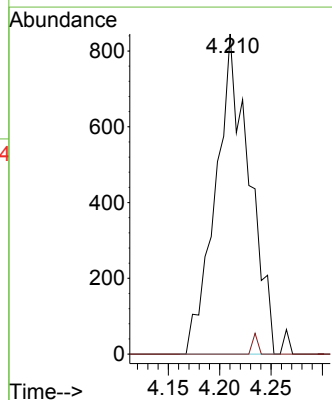
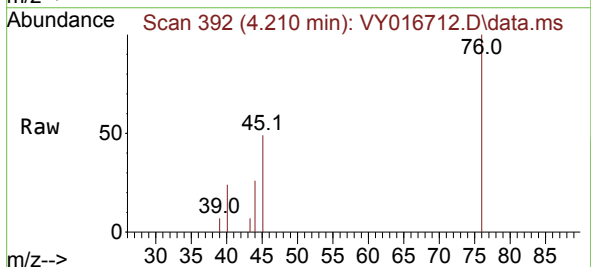


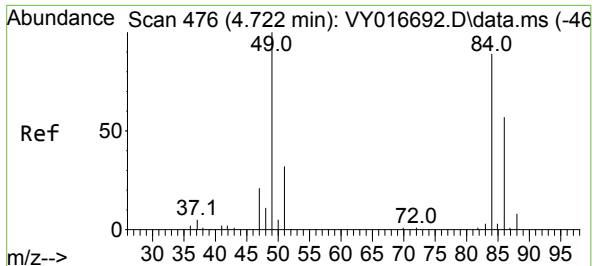
Tgt Ion: 43 Resp: 2840
Ion Ratio Lower Upper
43 100
58 25.0 29.0 43.4#



#17
Carbon Disulfide
Concen: 1.233 ug/l
RT: 4.210 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY016712.D
Acq: 19 Dec 2023 22:47

Tgt Ion: 76 Resp: 1918
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#





#20

Methylene Chloride

Concen: 11.182 ug/l

RT: 4.734 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY016712.D

Acq: 19 Dec 2023 22:47

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 9552

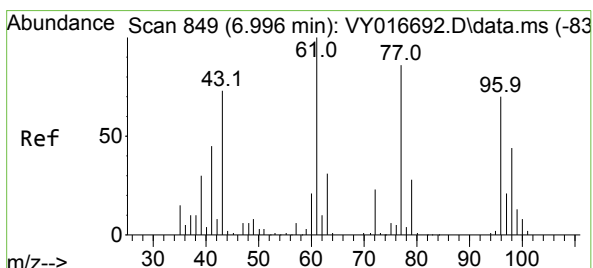
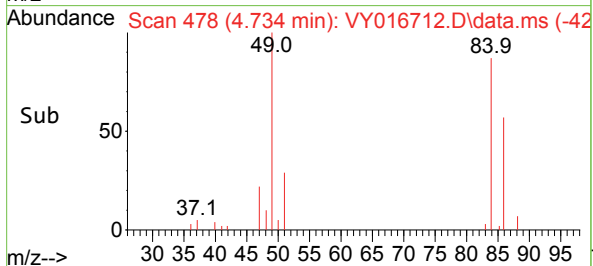
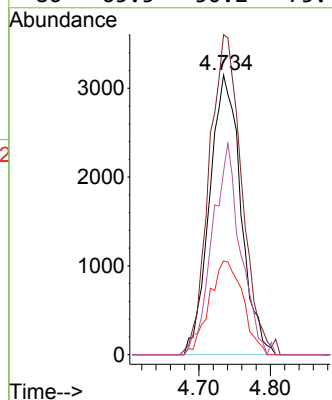
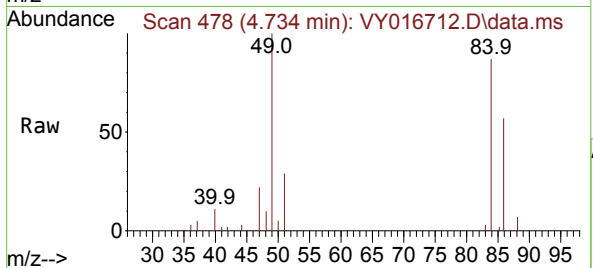
Ion Ratio Lower Upper

84 100

49 114.4 83.8 125.8

51 33.5 27.2 40.8

86 65.5 50.2 75.4



#25

2-Butanone

Concen: Below Cal

RT: 6.990 min Scan# 848

Delta R.T. -0.006 min

Lab File: VY016712.D

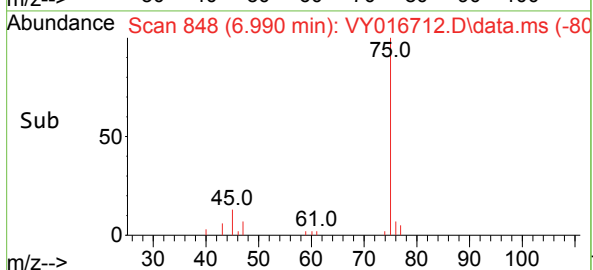
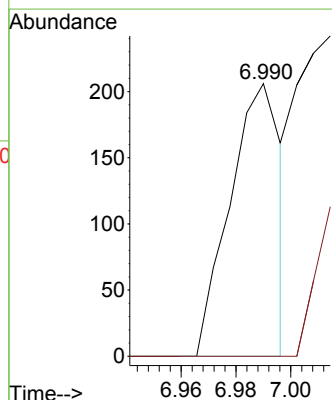
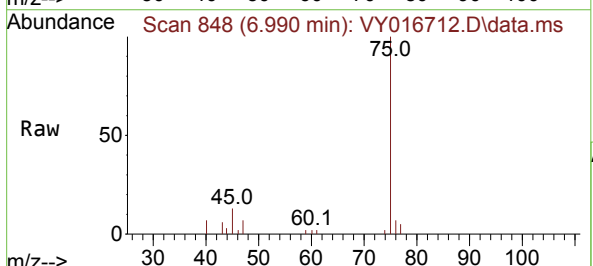
Acq: 19 Dec 2023 22:47

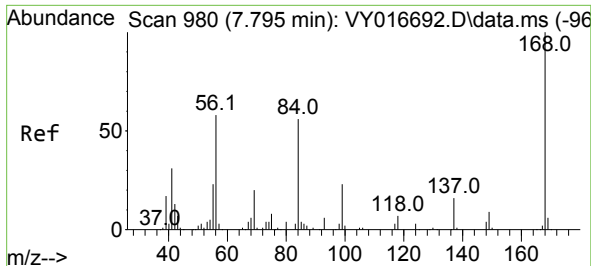
Tgt Ion: 43 Resp: 267

Ion Ratio Lower Upper

43 100

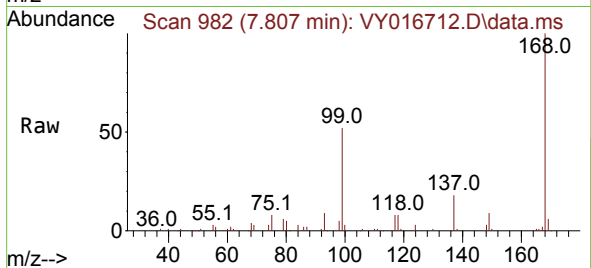
72 0.0 26.3 39.5#



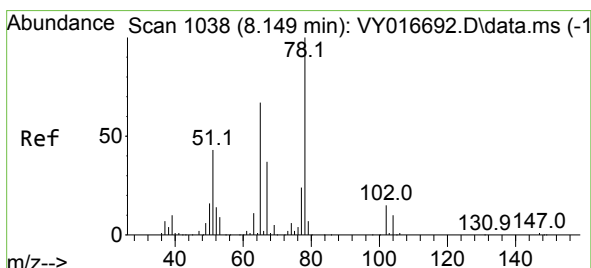
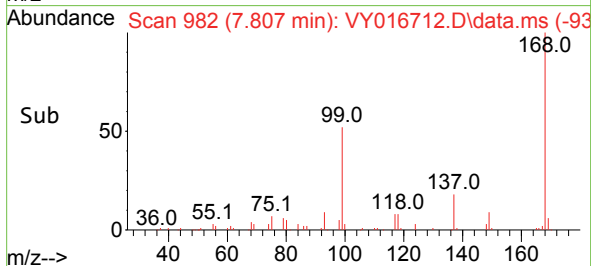
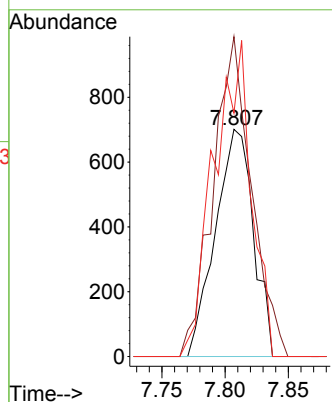


#31
Cyclohexane
Concen: 1.549 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016712.D
Acq: 19 Dec 2023 22:47

Instrument :
MSVOA_Y
ClientSampleId :

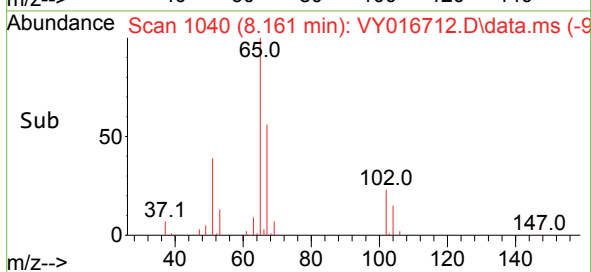
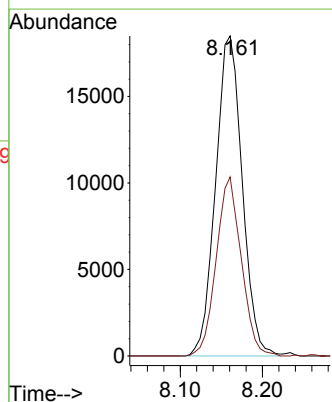
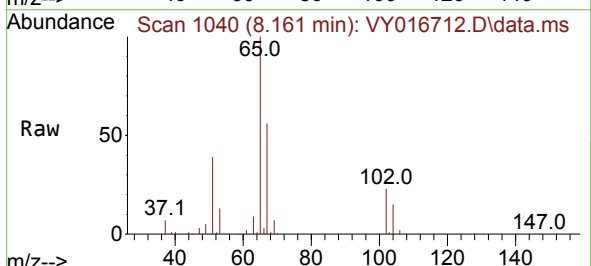


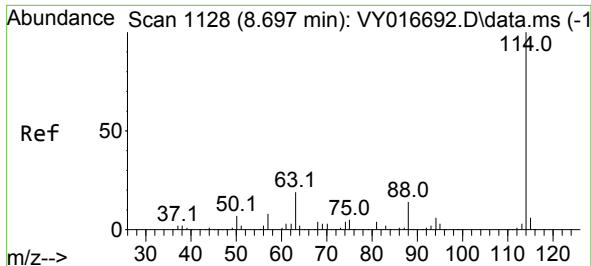
Tgt Ion: 56 Resp: 1463
Ion Ratio Lower Upper
56 100
69 140.8 27.5 41.3#
84 107.1 78.1 117.1



#33
1,2-Dichloroethane-d4
Concen: 72.094 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.012 min
Lab File: VY016712.D
Acq: 19 Dec 2023 22:47

Tgt Ion: 65 Resp: 41610
Ion Ratio Lower Upper
65 100
67 52.6 0.0 108.6

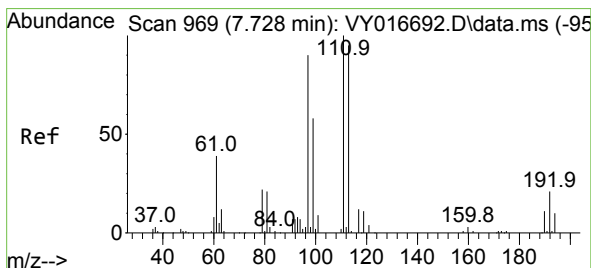
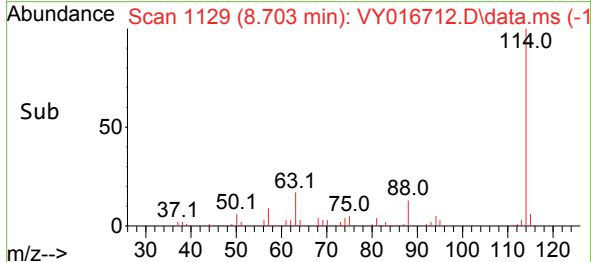
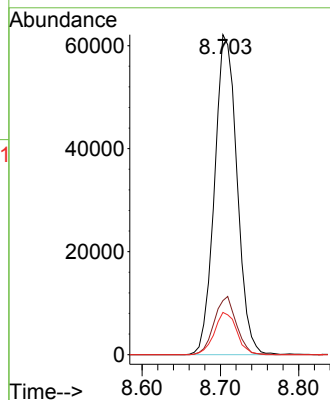
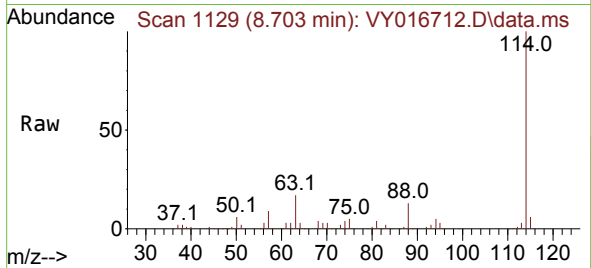




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VY016712.D
Acq: 19 Dec 2023 22:47

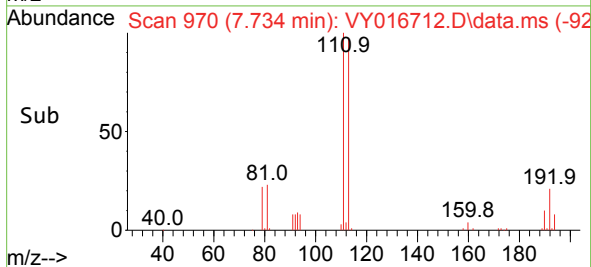
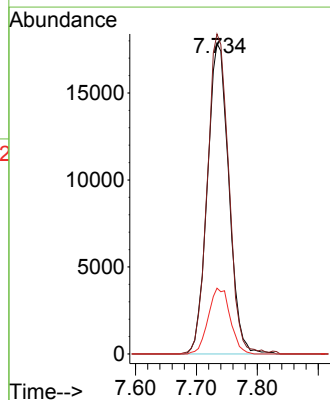
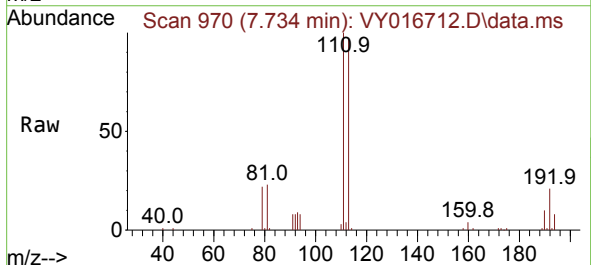
Instrument :
MSVOA_Y
ClientSampleId :

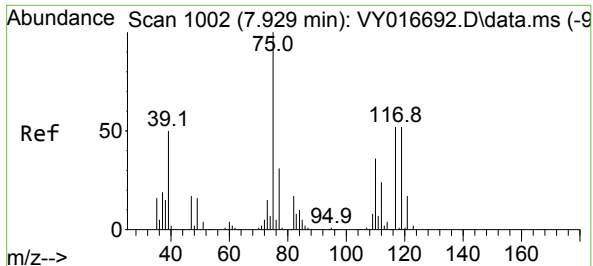
Tgt Ion:114 Resp: 123977
Ion Ratio Lower Upper
114 100
63 16.9 0.0 34.0
88 13.2 0.0 29.2



#35
Dibromofluoromethane
Concen: 59.847 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY016712.D
Acq: 19 Dec 2023 22:47

Tgt Ion:113 Resp: 43699
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 21.6 16.2 24.4





#36

1,1-Dichloropropene

Concen: 5.389 ug/l

RT: 7.801 min Scan# 91

Delta R.T. -0.128 min

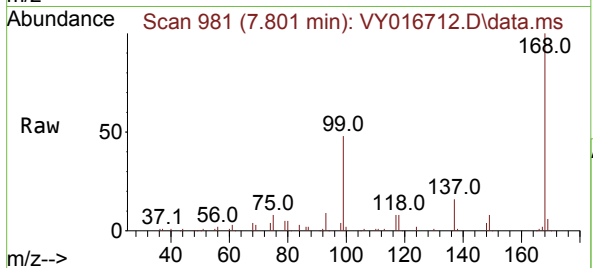
Lab File: VY016712.D

Acq: 19 Dec 2023 22:47

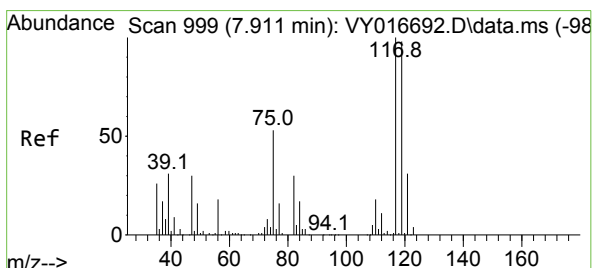
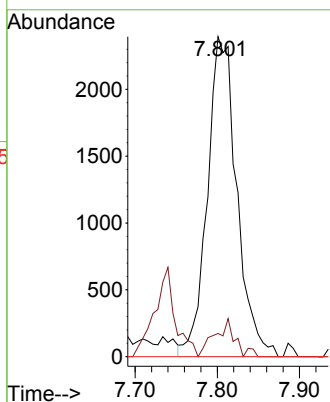
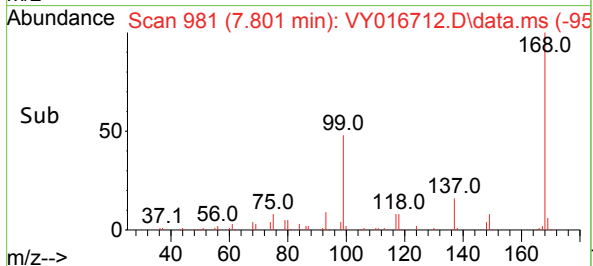
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 5952
Ion Ratio	Lower Upper
75	100
110	8.3 18.9 56.9#
77	0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.257 ug/l

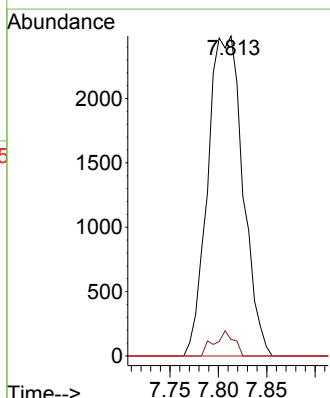
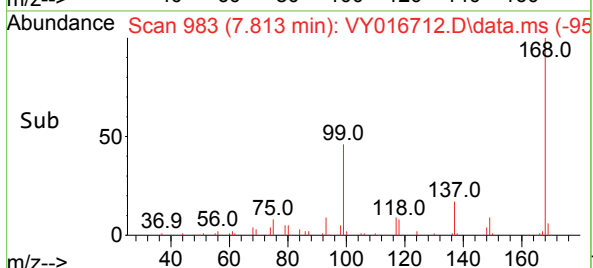
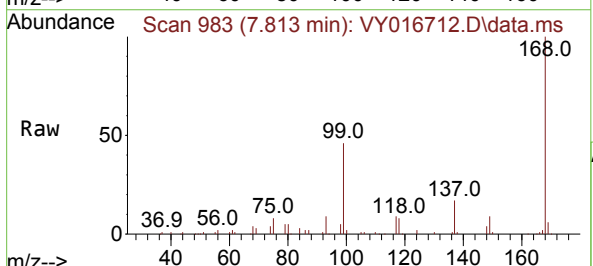
RT: 7.813 min Scan# 983

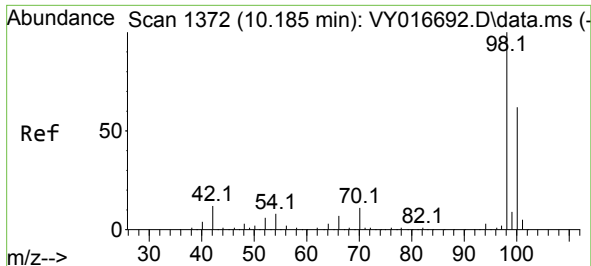
Delta R.T. -0.098 min

Lab File: VY016712.D

Acq: 19 Dec 2023 22:47

Tgt Ion: 117	Resp: 6265
Ion Ratio	Lower Upper
117	100
119	5.1 75.0 112.4#
121	0.0 24.2 36.4#

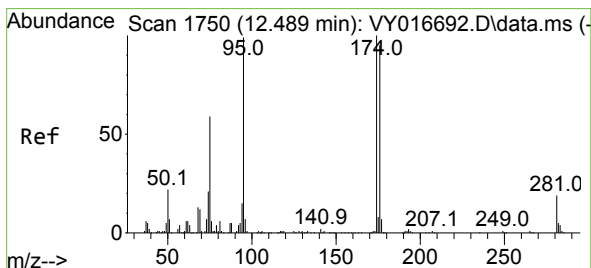
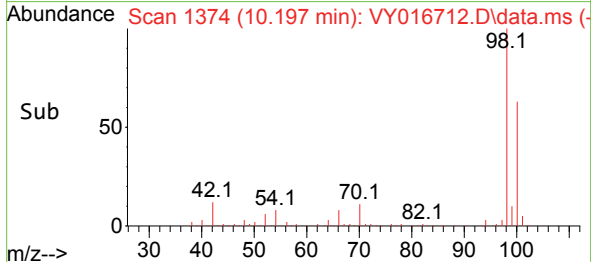
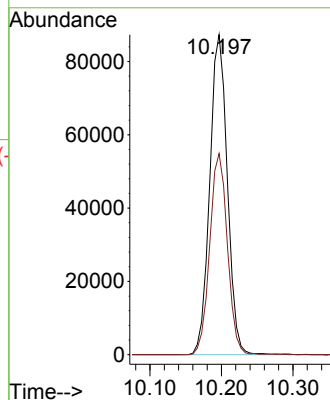
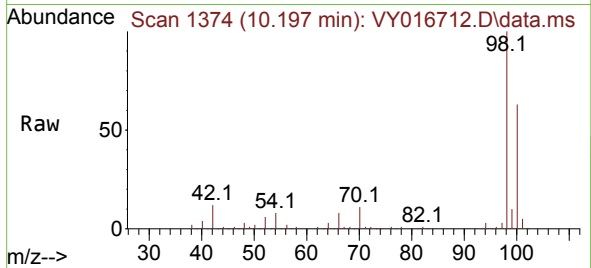




#50
Toluene-d8
Concen: 56.340 ug/l
RT: 10.197 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY016712.D
Acq: 19 Dec 2023 22:47

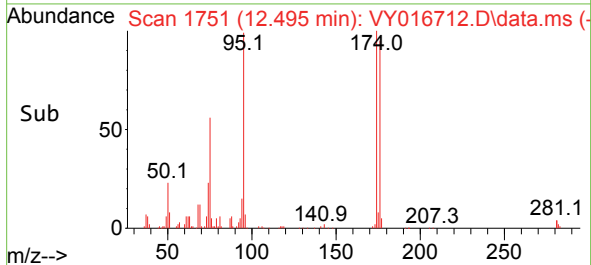
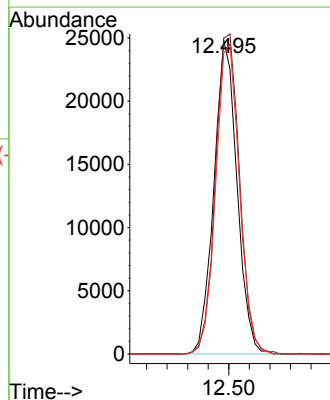
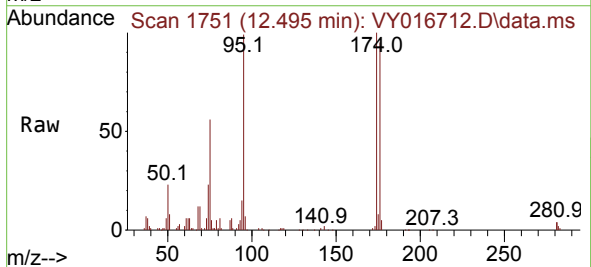
Instrument :
MSVOA_Y
ClientSampleId :

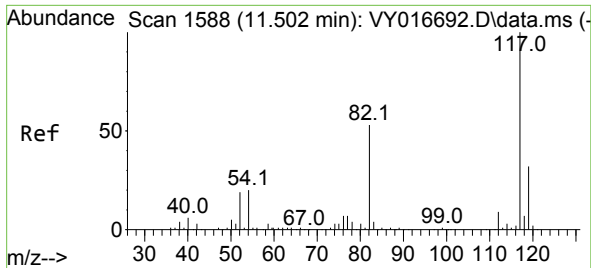
Tgt Ion: 98 Resp: 148986
Ion Ratio Lower Upper
98 100
100 63.2 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 51.486 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016712.D
Acq: 19 Dec 2023 22:47

Tgt Ion: 95 Resp: 38712
Ion Ratio Lower Upper
95 100
174 106.5 0.0 181.0
176 101.2 0.0 176.6

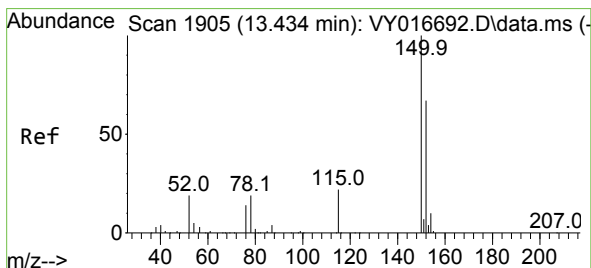
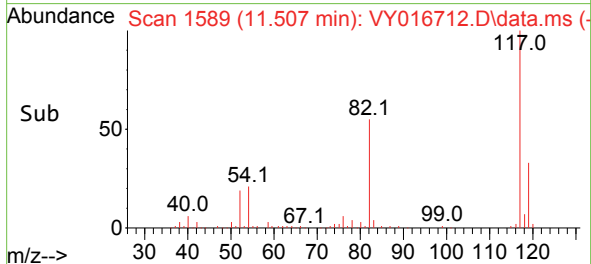
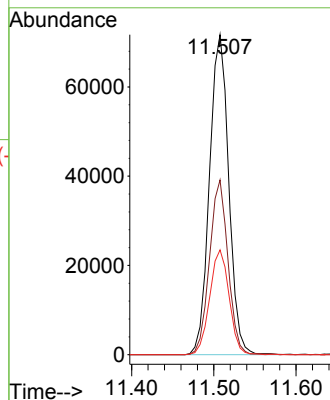
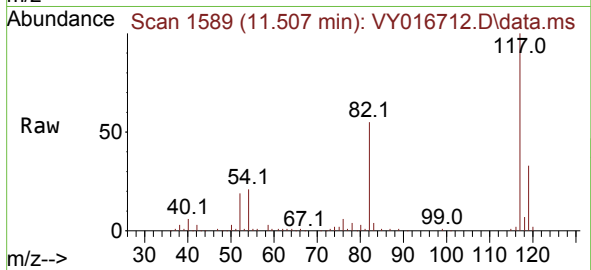




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.507 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY016712.D
Acq: 19 Dec 2023 22:47

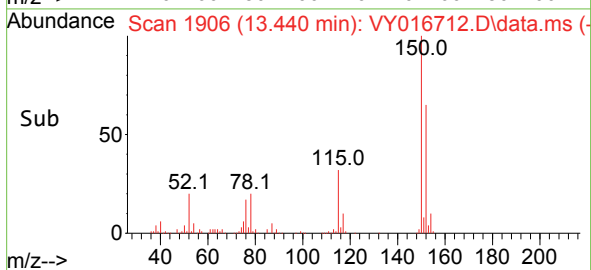
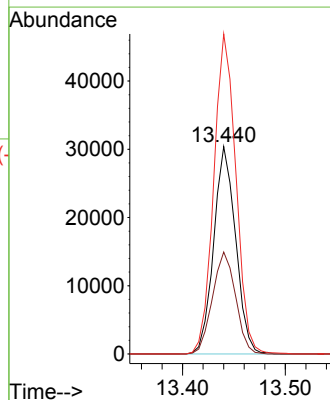
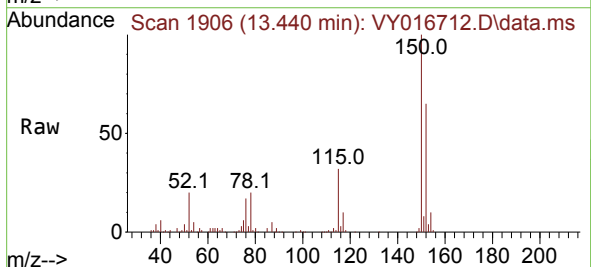
Instrument :
MSVOA_Y
ClientSampleId :

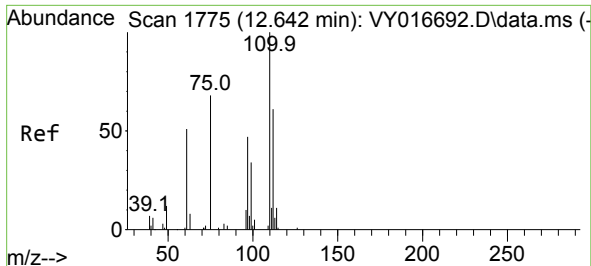
Tgt Ion:117 Resp: 116595
Ion Ratio Lower Upper
117 100
82 54.6 41.0 61.6
119 32.8 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY016712.D
Acq: 19 Dec 2023 22:47

Tgt Ion:152 Resp: 45062
Ion Ratio Lower Upper
152 100
115 51.7 28.2 84.7
150 155.9 0.0 350.6

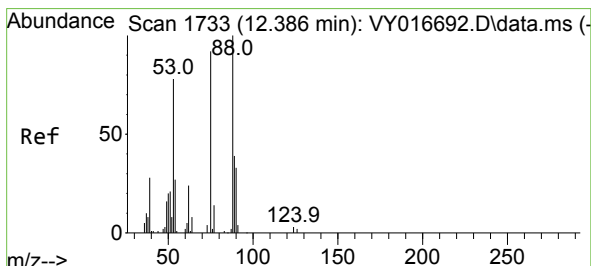
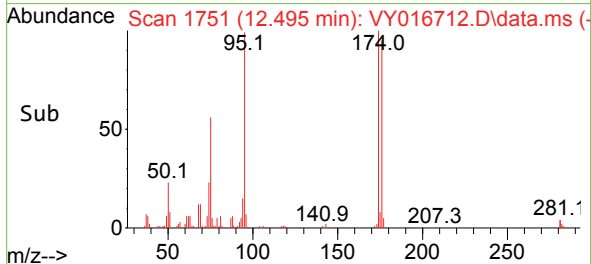
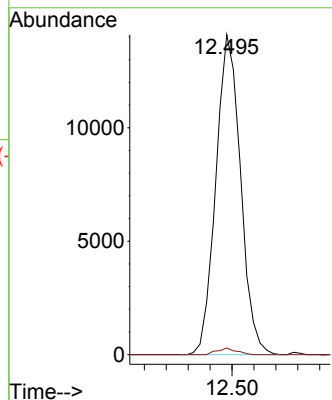
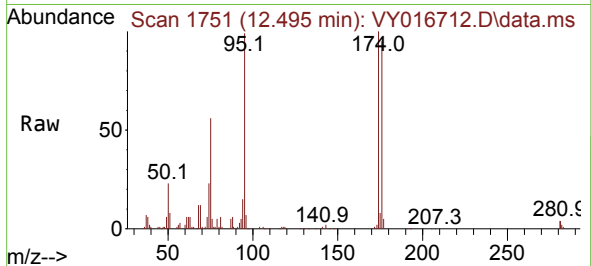




#76
1,2,3-Trichloropropane
Concen: 56.359 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.147 min
Lab File: VY016712.D
Acq: 19 Dec 2023 22:47

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 22076
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.309 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.109 min
Lab File: VY016712.D
Acq: 19 Dec 2023 22:47

Tgt Ion: 75 Resp: 22076
Ion Ratio Lower Upper
75 100
53 0.0 62.9 94.3#
89 0.2 35.8 53.8#

