

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121923\
 Data File : VY016706.D
 Acq On : 19 Dec 2023 20:26
 Operator : SY/MD
 Sample : 05796-04
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 20 06:39:23 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)

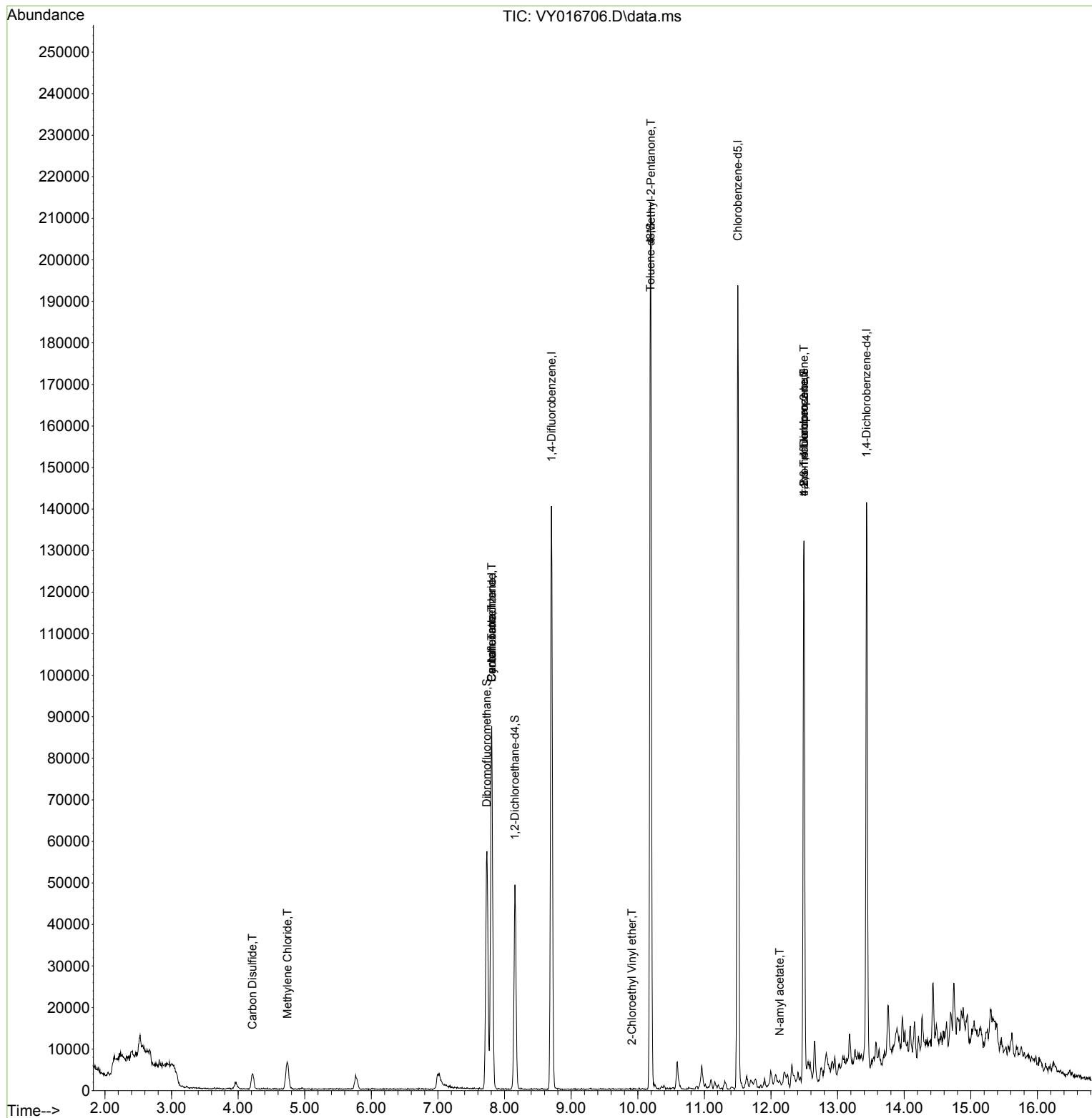
Internal Standards						
1) Pentafluorobenzene	7.807	168	71321	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.703	114	120019	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	103241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	35310	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	37009	62.735	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.480%	
35) Dibromofluoromethane	7.734	113	40455	57.231	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.460%	
50) Toluene-d8	10.191	98	139571	54.520	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.040%	
62) 4-Bromofluorobenzene	12.495	95	34625	47.569	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.140%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	154	Below Cal	#	41
11) Tert butyl alcohol	4.985	59	43	Below Cal	#	73
13) Acrolein	3.741	56	38	Below Cal	#	14
16) Acetone	3.967	43	2991	Below Cal	#	73
17) Carbon Disulfide	4.216	76	6927	4.357	ug/l #	95
20) Methylene Chloride	4.741	84	5434	3.680	ug/l	96
25) 2-Butanone	6.996	43	431	Below Cal	#	42
31) Cyclohexane	7.807	56	1512	1.566	ug/l #	51
38) Carbon Tetrachloride	7.807	117	6543	5.671	ug/l #	17
51) 4-Methyl-2-Pentanone	10.197	43	624	1.546	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.911	63	19	19.794	ug/l #	43
74) N-amyl acetate	12.130	43	510	1.154	ug/l #	41
76) 1,2,3-Trichloropropane	12.495	75	20067	65.379	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	20067	150.004	ug/l #	18

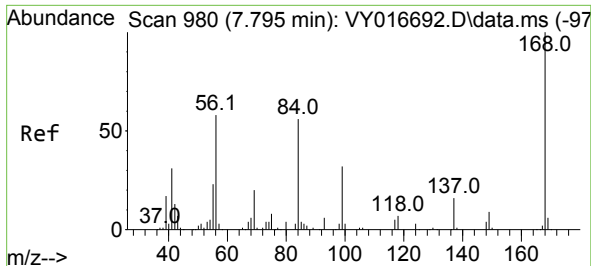
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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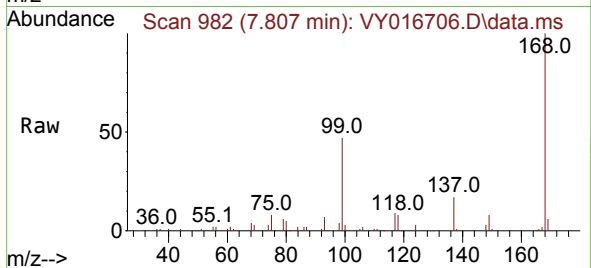
Quant Time: Dec 20 06:39:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121923S.M
Quant Title : SW846 8260
QLast Update : Wed Dec 20 05:26:40 2023
Response via : Initial Calibration



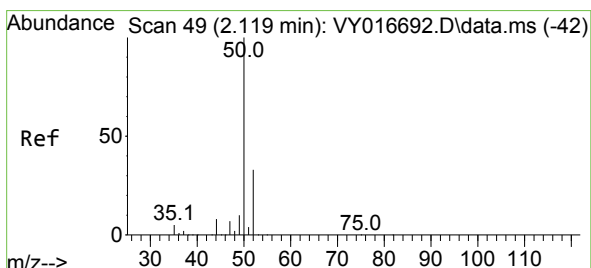
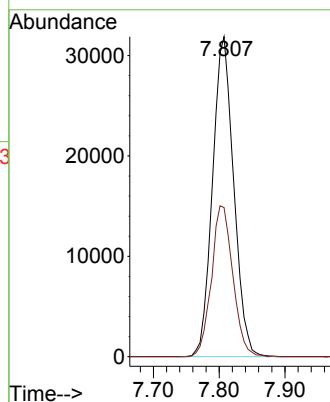
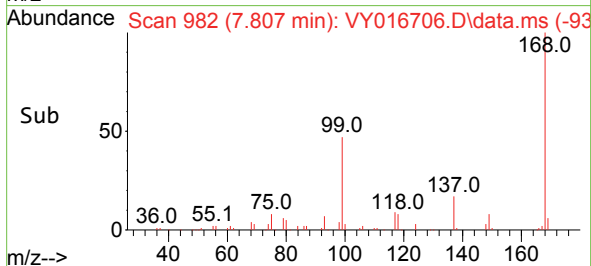


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.807 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY016706.D
Acq: 19 Dec 2023 20:26

Instrument :
MSVOA_Y
ClientSampleId :

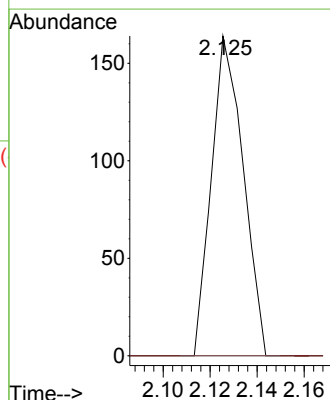
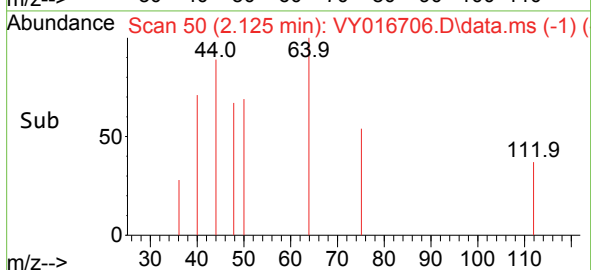
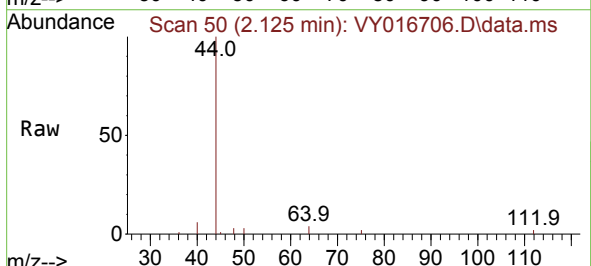


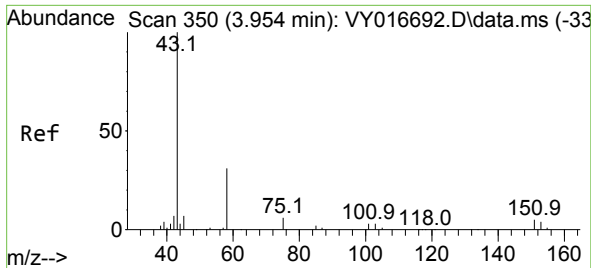
Tgt Ion:168 Resp: 71321
Ion Ratio Lower Upper
168 100
99 46.6 40.2 60.4



#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY016706.D
Acq: 19 Dec 2023 20:26

Tgt Ion: 50 Resp: 154
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

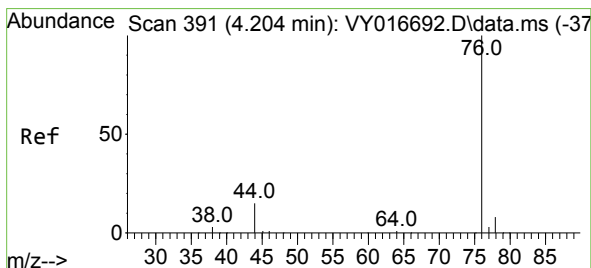
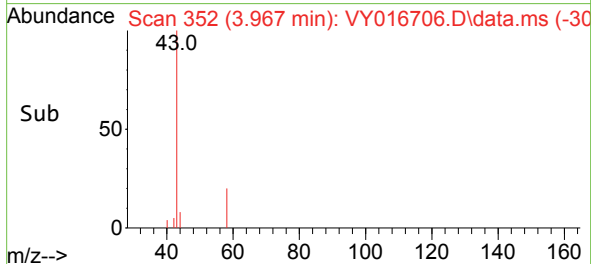
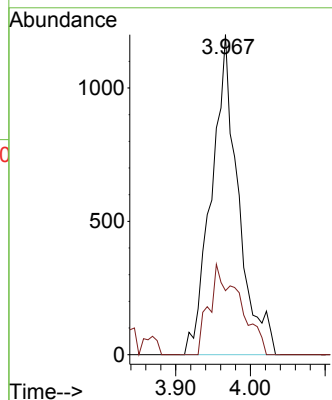
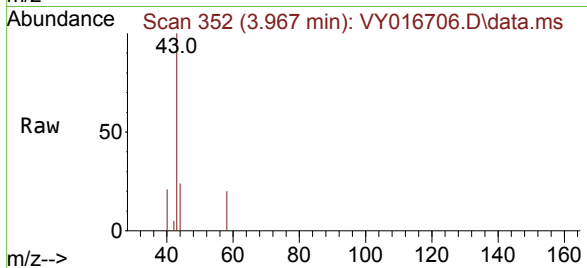




#16
Acetone
Concen: Below Cal
RT: 3.967 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY016706.D
Acq: 19 Dec 2023 20:26

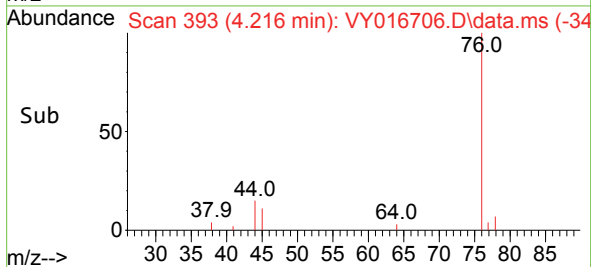
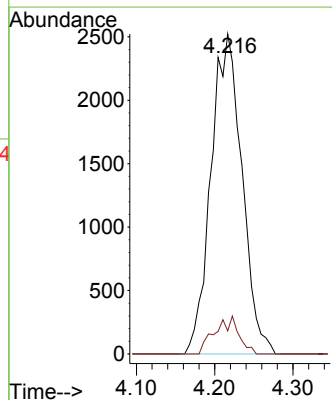
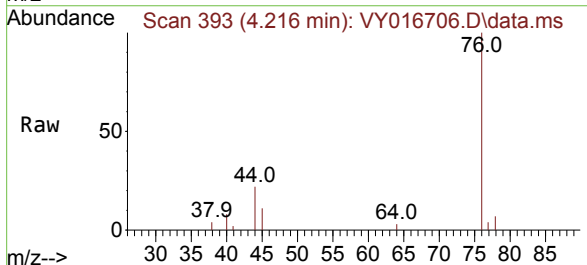
Instrument :
MSVOA_Y
ClientSampleId :

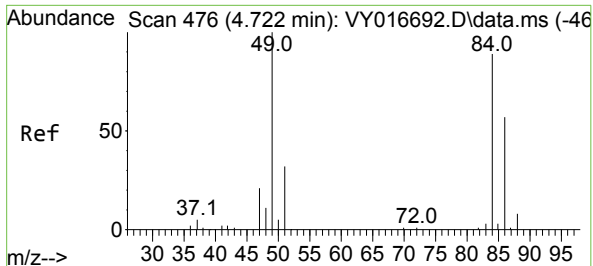
Tgt Ion: 43 Resp: 2991
Ion Ratio Lower Upper
43 100
58 20.0 29.0 43.4#



#17
Carbon Disulfide
Concen: 4.357 ug/l
RT: 4.216 min Scan# 393
Delta R.T. 0.012 min
Lab File: VY016706.D
Acq: 19 Dec 2023 20:26

Tgt Ion: 76 Resp: 6927
Ion Ratio Lower Upper
76 100
78 7.2 7.3 10.9#





#20

Methylene Chloride

Concen: 3.680 ug/l

RT: 4.741 min Scan# 41

Delta R.T. 0.019 min

Lab File: VY016706.D

Acq: 19 Dec 2023 20:26

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 84 Resp: 5434

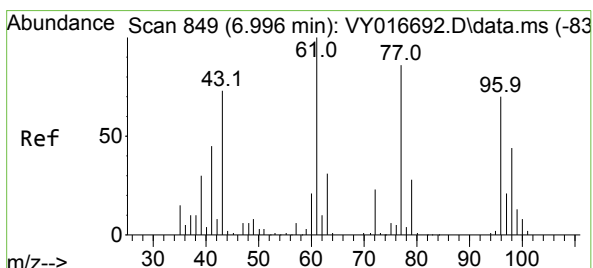
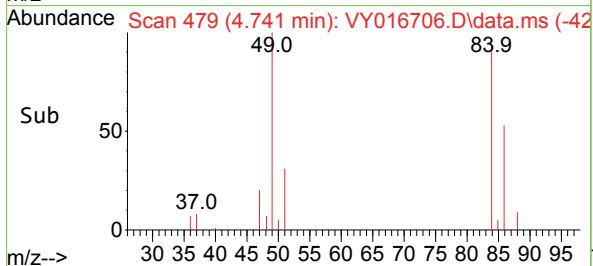
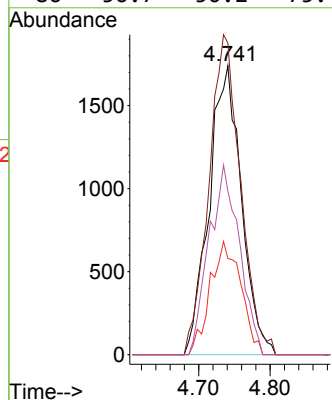
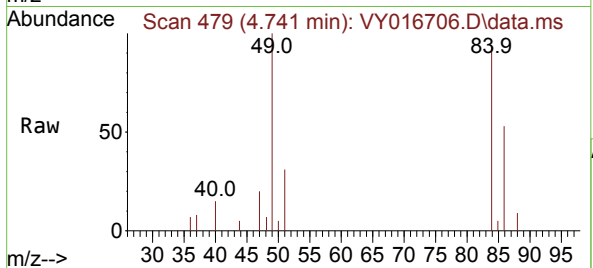
Ion Ratio Lower Upper

84 100

49 107.9 83.8 125.8

51 33.3 27.2 40.8

86 56.7 50.2 75.4



#25

2-Butanone

Concen: Below Cal

RT: 6.996 min Scan# 849

Delta R.T. 0.000 min

Lab File: VY016706.D

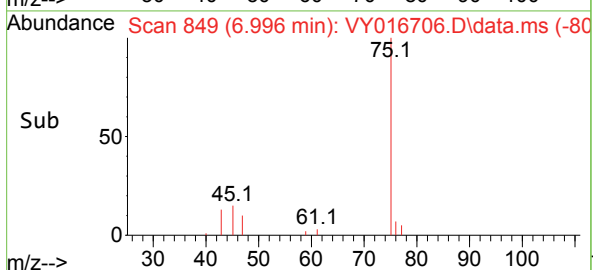
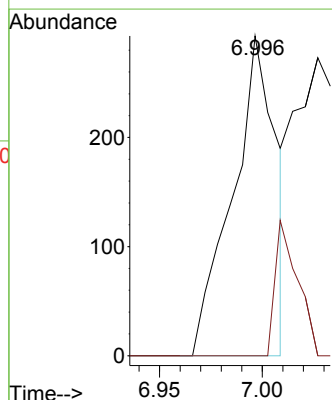
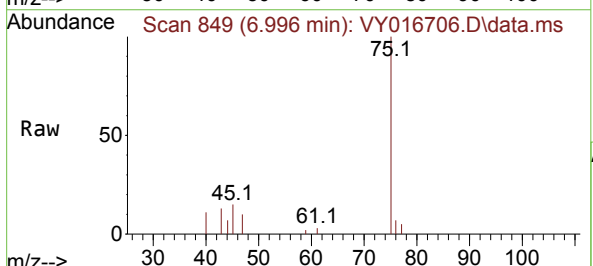
Acq: 19 Dec 2023 20:26

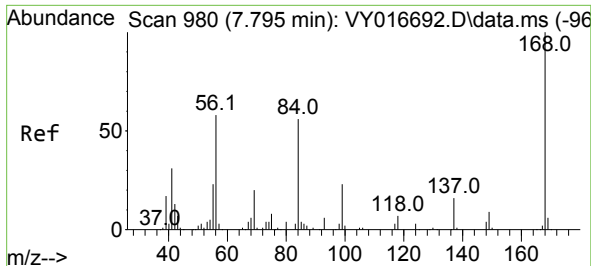
Tgt Ion: 43 Resp: 431

Ion Ratio Lower Upper

43 100

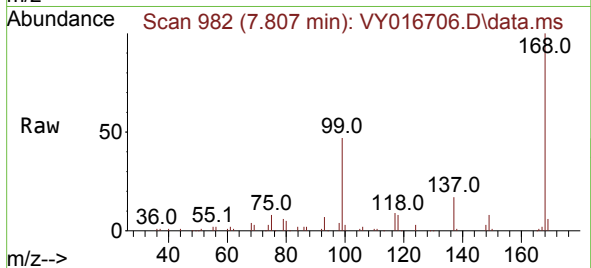
72 0.0 26.3 39.5#



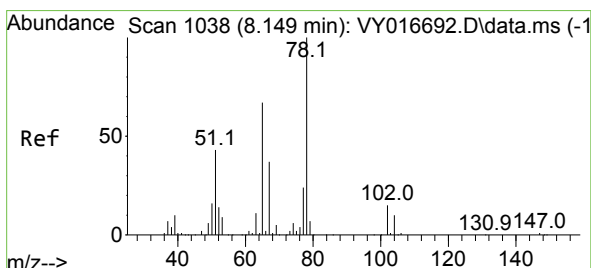
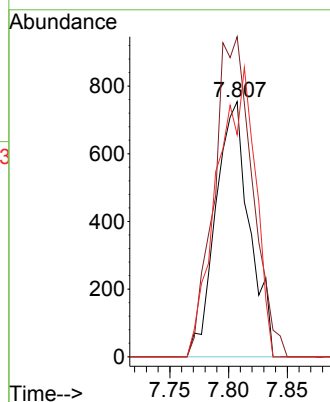
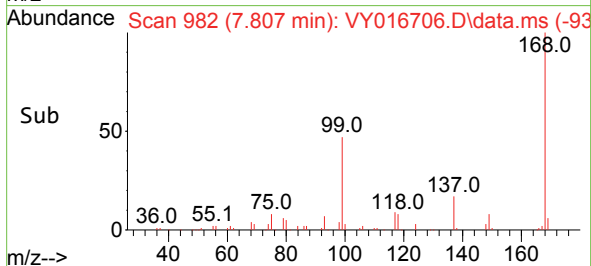


#31
Cyclohexane
Concen: 1.566 ug/l
RT: 7.807 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY016706.D
Acq: 19 Dec 2023 20:26

Instrument :
MSVOA_Y
ClientSampleId :

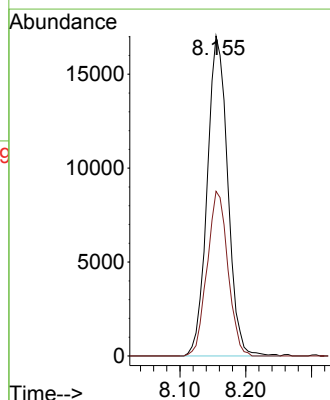
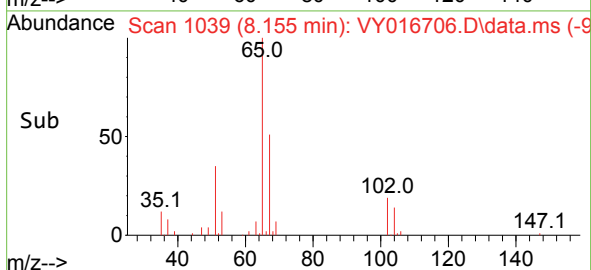
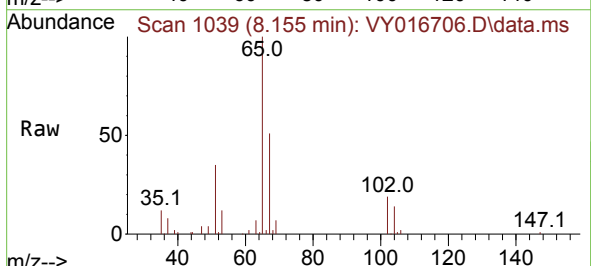


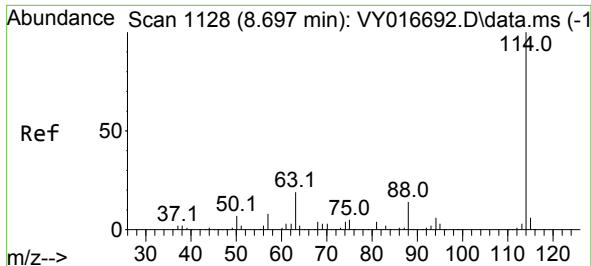
Tgt Ion: 56 Resp: 1512
Ion Ratio Lower Upper
56 100
69 125.5 27.5 41.3#
84 87.0 78.1 117.1



#33
1,2-Dichloroethane-d4
Concen: 62.735 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY016706.D
Acq: 19 Dec 2023 20:26

Tgt Ion: 65 Resp: 37009
Ion Ratio Lower Upper
65 100
67 52.0 0.0 108.6

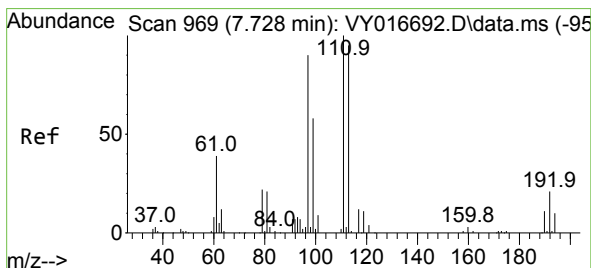
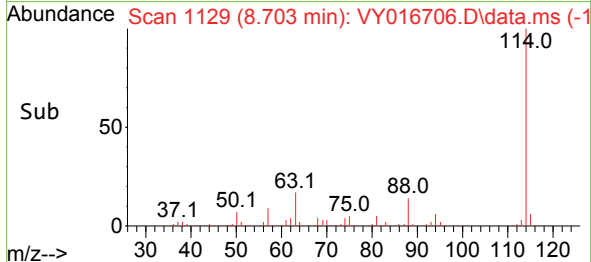
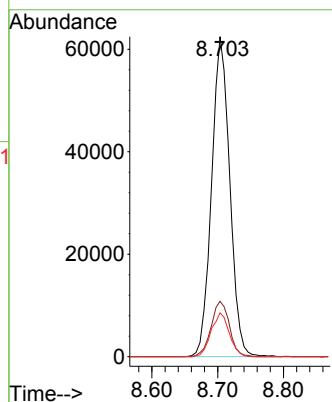
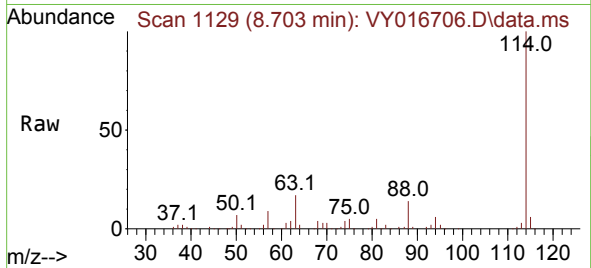




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.703 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VY016706.D
Acq: 19 Dec 2023 20:26

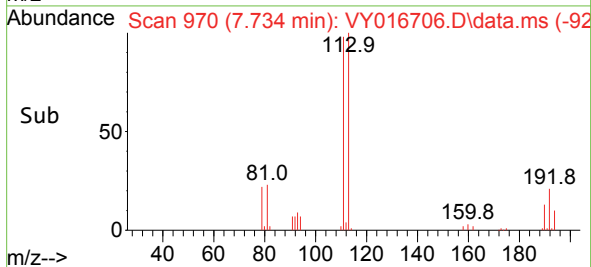
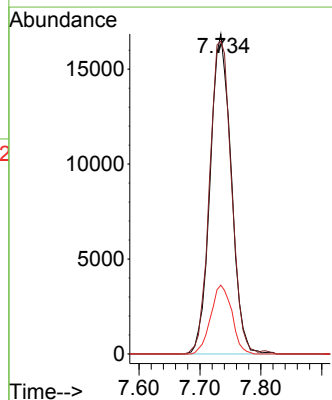
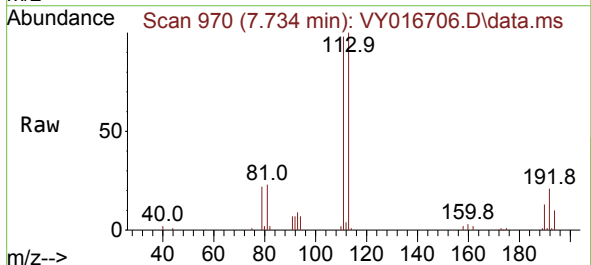
Instrument :
MSVOA_Y
ClientSampleId :

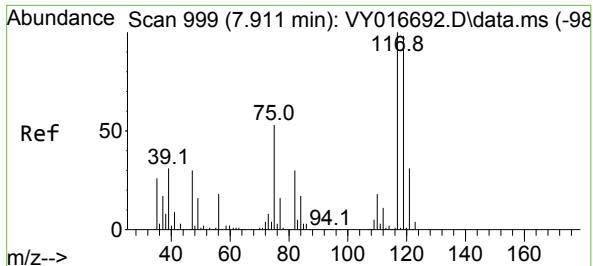
Tgt Ion:114 Resp: 120019
Ion Ratio Lower Upper
114 100
63 17.3 0.0 34.0
88 13.7 0.0 29.2



#35
Dibromofluoromethane
Concen: 57.231 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY016706.D
Acq: 19 Dec 2023 20:26

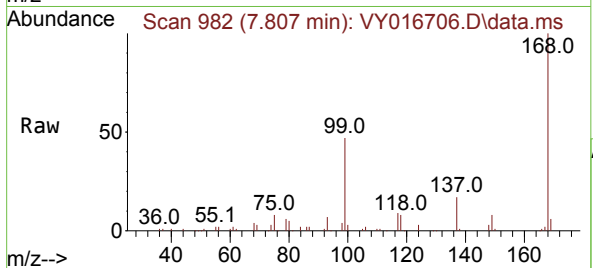
Tgt Ion:113 Resp: 40455
Ion Ratio Lower Upper
113 100
111 101.2 81.9 122.9
192 21.6 16.2 24.4



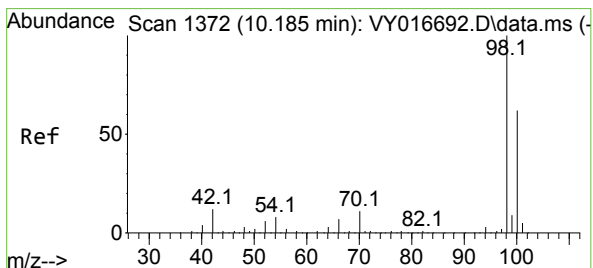
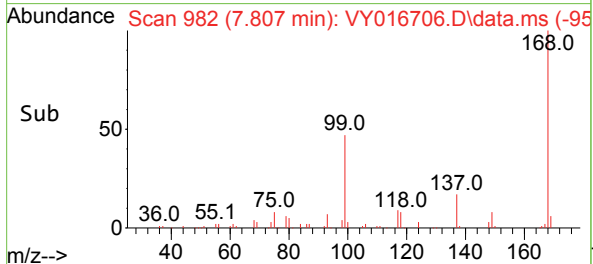
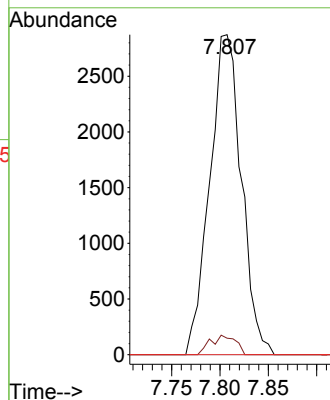


#38
Carbon Tetrachloride
Concen: 5.671 ug/l
RT: 7.807 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY016706.D
Acq: 19 Dec 2023 20:26

Instrument :
MSVOA_Y
ClientSampleId :

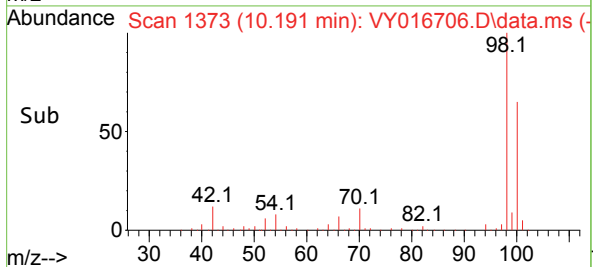
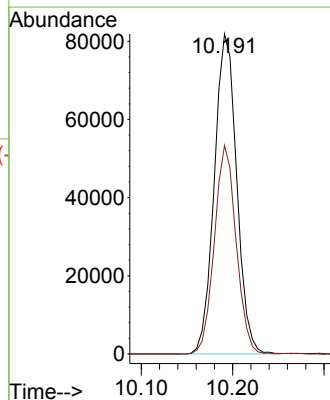
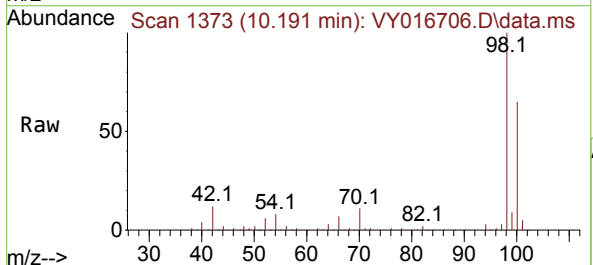


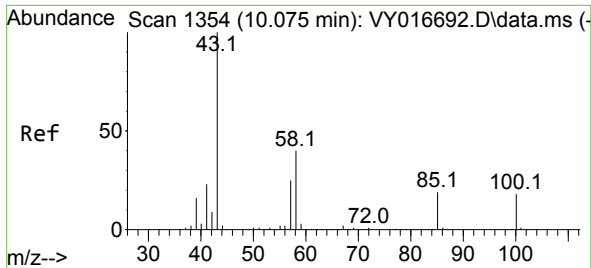
Tgt Ion:117 Resp: 6543
Ion Ratio Lower Upper
117 100
119 5.2 75.0 112.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 54.520 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY016706.D
Acq: 19 Dec 2023 20:26

Tgt Ion: 98 Resp: 139571
Ion Ratio Lower Upper
98 100
100 63.3 52.5 78.7

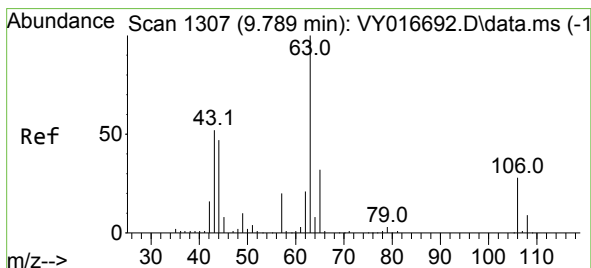
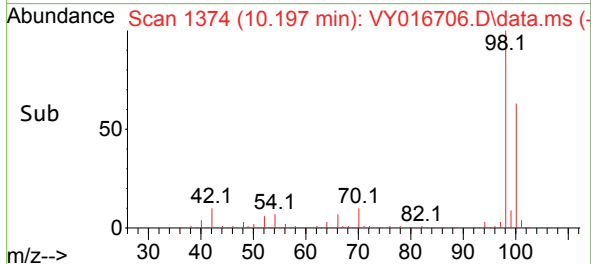
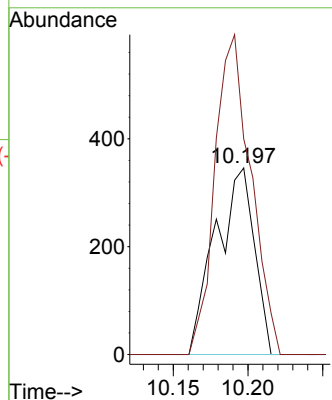
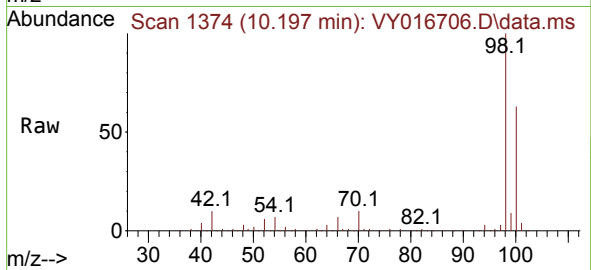




#51
4-Methyl-2-Pentanone
Concen: 1.546 ug/l
RT: 10.197 min Scan# 11
Delta R.T. 0.122 min
Lab File: VY016706.D
Acq: 19 Dec 2023 20:26

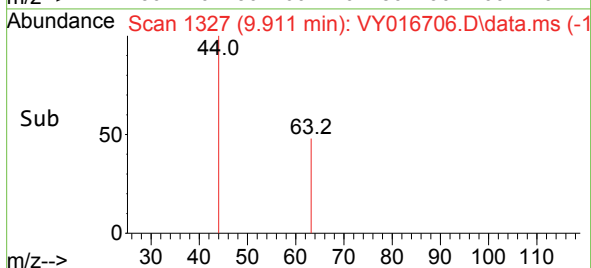
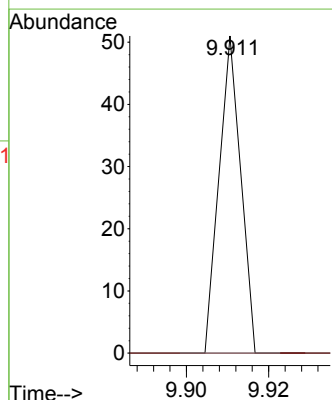
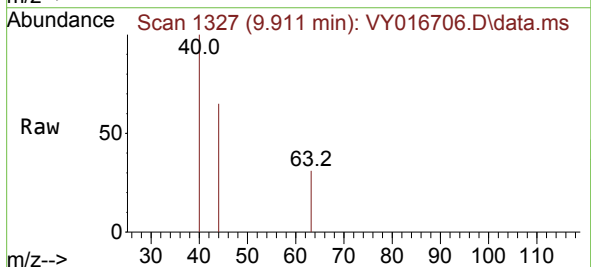
Instrument :
MSVOA_Y
ClientSampleId :

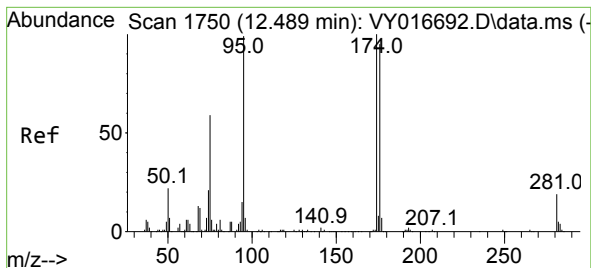
Tgt Ion: 43 Resp: 624
Ion Ratio Lower Upper
43 100
58 159.0 35.8 53.8#



#58
2-Chloroethyl Vinyl ether
Concen: 19.794 ug/l
RT: 9.911 min Scan# 1327
Delta R.T. 0.122 min
Lab File: VY016706.D
Acq: 19 Dec 2023 20:26

Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 25.4 38.2#

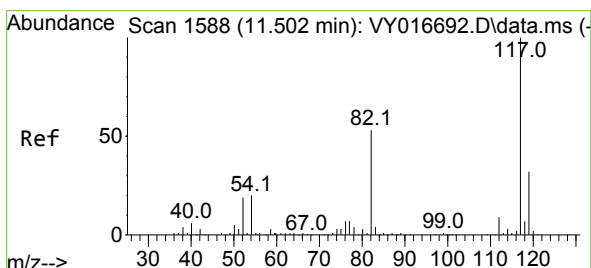
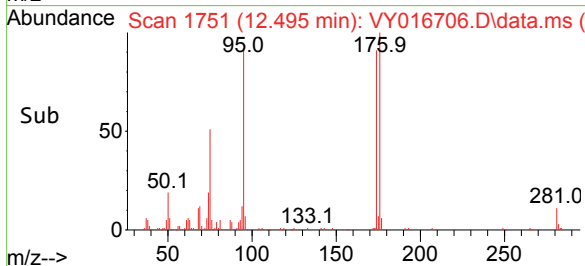
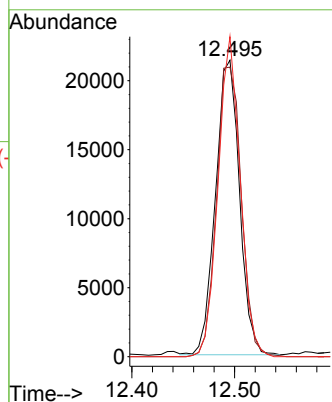
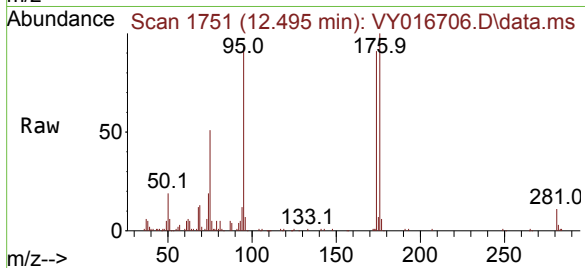




#62
4-Bromofluorobenzene
Concen: 47.569 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY016706.D
Acq: 19 Dec 2023 20:26

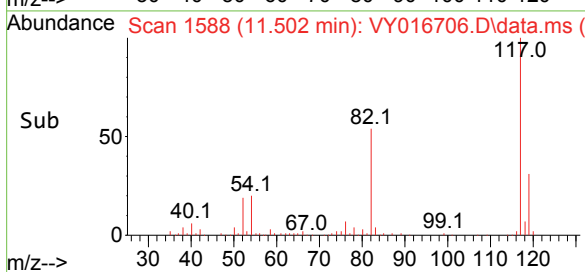
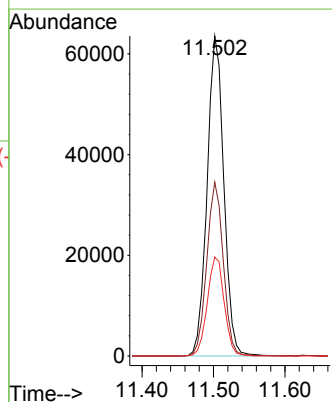
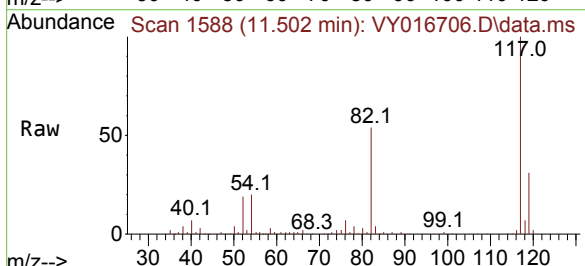
Instrument :
MSVOA_Y
ClientSampleId :

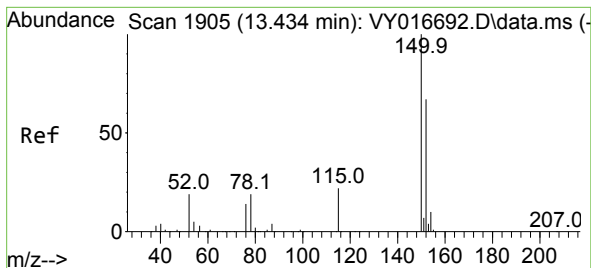
Tgt Ion: 95 Resp: 34625
Ion Ratio Lower Upper
95 100
174 101.8 0.0 181.0
176 100.2 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.000 min
Lab File: VY016706.D
Acq: 19 Dec 2023 20:26

Tgt Ion: 117 Resp: 103241
Ion Ratio Lower Upper
117 100
82 54.3 41.0 61.6
119 30.9 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

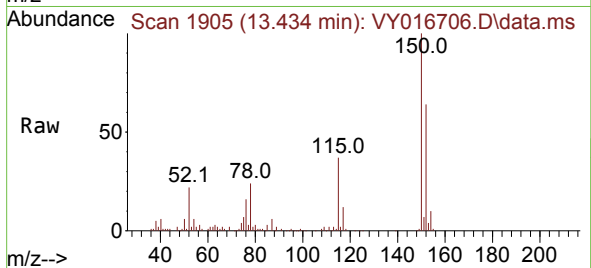
Lab File: VY016706.D

Acq: 19 Dec 2023 20:26

Instrument :

MSVOA_Y

ClientSampleId :



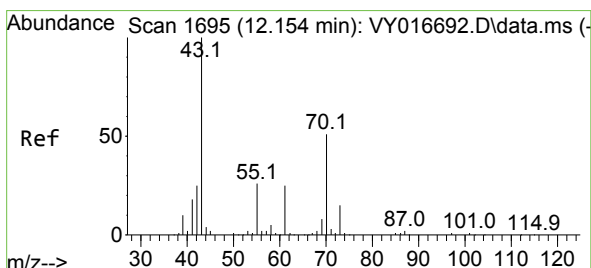
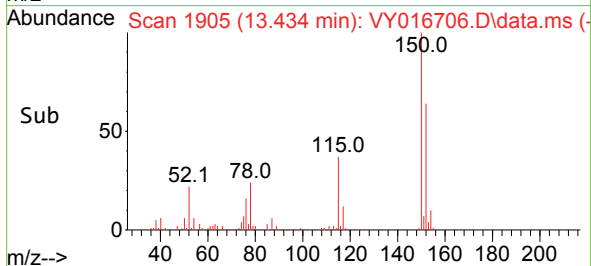
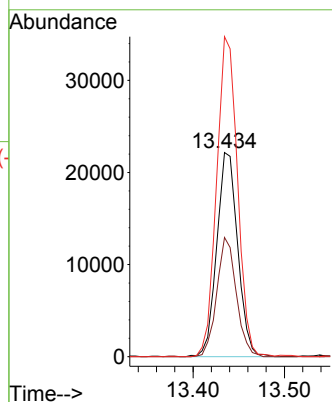
Tgt Ion:152 Resp: 35310

Ion Ratio Lower Upper

152 100

115 54.4 28.2 84.7

150 156.2 0.0 350.6



#74

N-ethyl acetate

Concen: 1.154 ug/l

RT: 12.130 min Scan# 1691

Delta R.T. -0.024 min

Lab File: VY016706.D

Acq: 19 Dec 2023 20:26

Tgt Ion: 43 Resp: 510

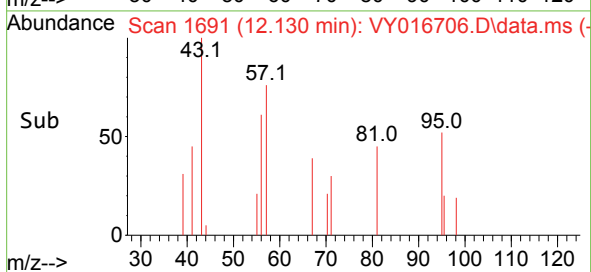
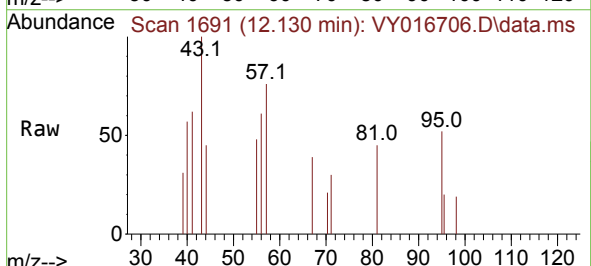
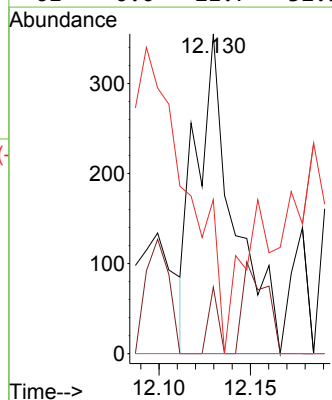
Ion Ratio Lower Upper

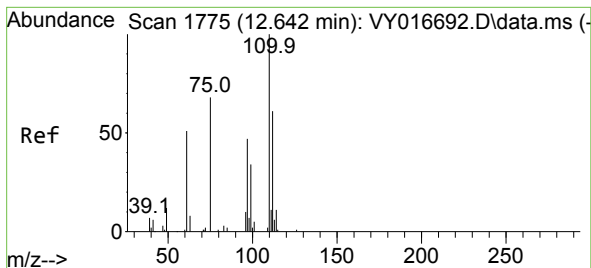
43 100

70 5.3 41.2 61.8#

55 0.0 22.2 33.2#

61 0.0 21.7 32.5#





#76

1,2,3-Trichloropropane

Concen: 65.379 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY016706.D

Acq: 19 Dec 2023 20:26

Instrument :

MSVOA_Y

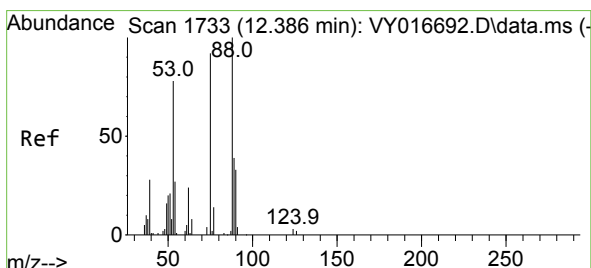
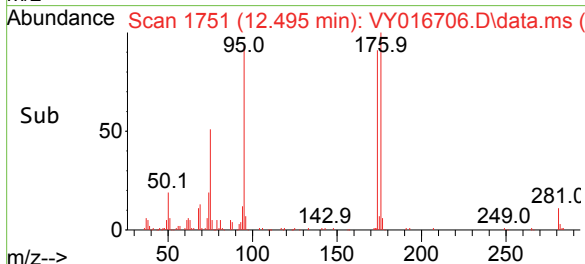
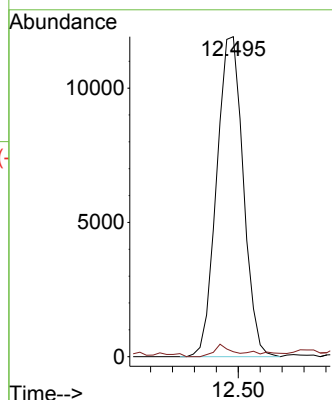
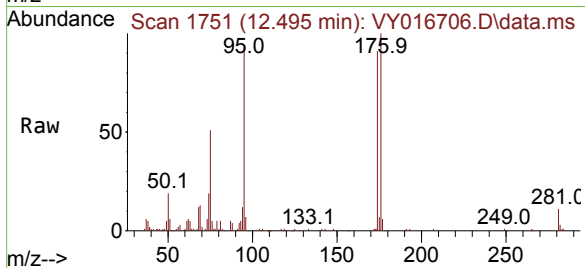
ClientSampleId :

Tgt Ion: 75 Resp: 20067

Ion Ratio Lower Upper

75 100

77 2.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 150.004 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.110 min

Lab File: VY016706.D

Acq: 19 Dec 2023 20:26

Tgt Ion: 75 Resp: 20067

Ion Ratio Lower Upper

75 100

53 0.9 62.9 94.3#

89 0.0 35.8 53.8#

