

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121923\
 Data File : VY016719.D
 Acq On : 20 Dec 2023 01:31
 Operator : SY/MD
 Sample : 05827-10
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 20 06:44:17 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)

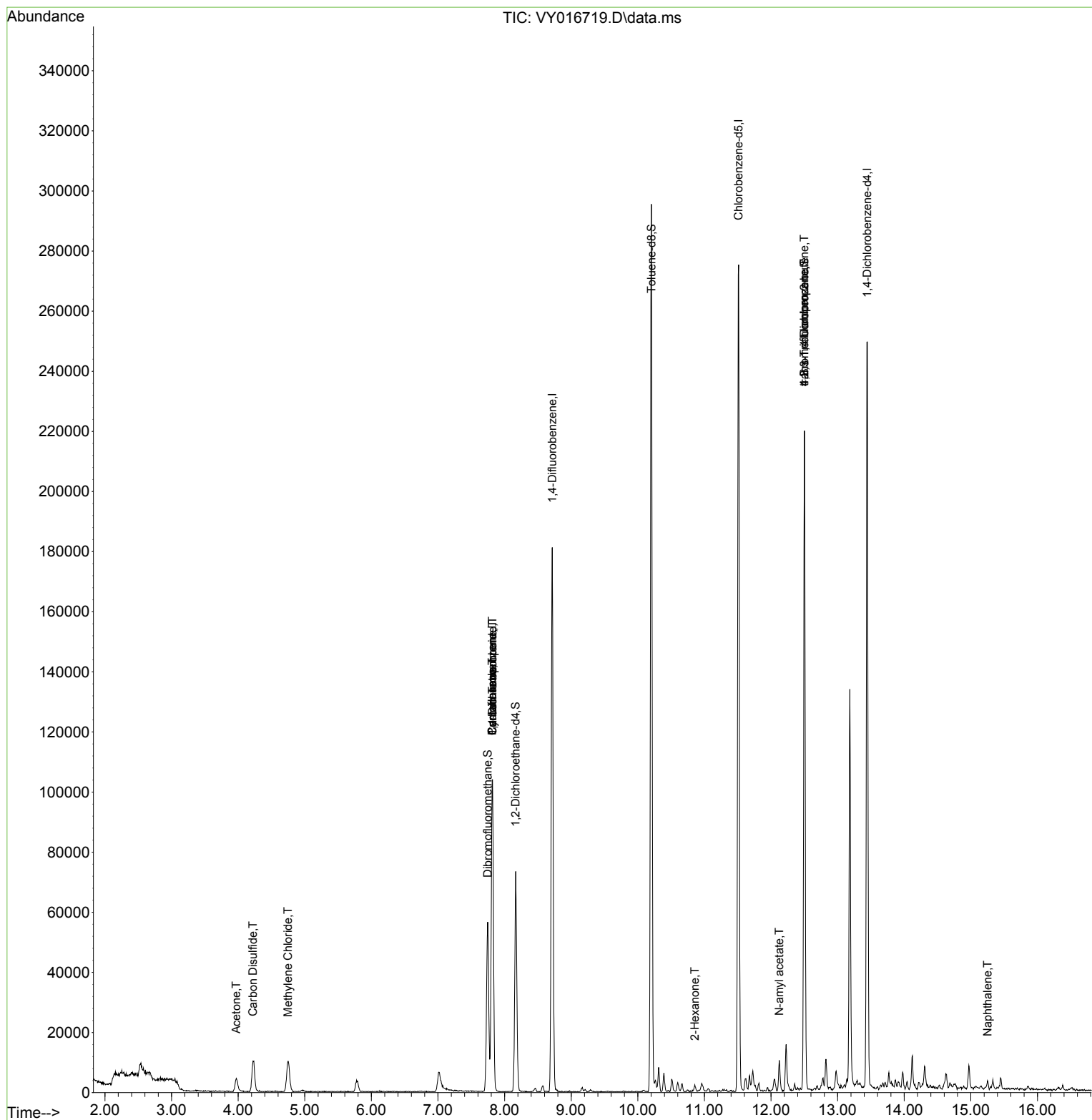
Internal Standards						
1) Pentafluorobenzene	7.813	168	87977	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.716	114	157986	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.514	117	155828	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.447	152	66573	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.167	65	54810	75.321	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 150.640%	
35) Dibromofluoromethane	7.746	113	38381	41.249	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 82.500%	
50) Toluene-d8	10.203	98	191871	56.938	ug/l	0.02
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.880%	
62) 4-Bromofluorobenzene	12.502	95	57011	59.501	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	= 119.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.924	85	63	Below Cal	#	43
3) Chloromethane	2.125	50	172	Below Cal	#	41
11) Tert butyl alcohol	4.966	59	207	Below Cal	#	73
16) Acetone	3.973	43	8274	19.542	ug/l	91
17) Carbon Disulfide	4.223	76	21578	11.002	ug/l	# 95
20) Methylene Chloride	4.747	84	8208	5.794	ug/l	94
25) 2-Butanone	7.015	43	3065	Below Cal	#	85
31) Cyclohexane	7.813	56	1786	1.500	ug/l	# 45
36) 1,1-Dichloropropene	7.819	75	6732	4.783	ug/l	# 48
38) Carbon Tetrachloride	7.819	117	8198	5.398	ug/l	# 19
59) 2-Hexanone	10.856	43	1503	3.882	ug/l	83
74) N-amyl acetate	12.124	43	5172	6.210	ug/l	# 44
76) 1,2,3-Trichloropropane	12.502	75	32415	56.014	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.502	75	32415	128.519	ug/l	# 18
95) Naphthalene	15.251	128	2543	1.473	ug/l	# 95

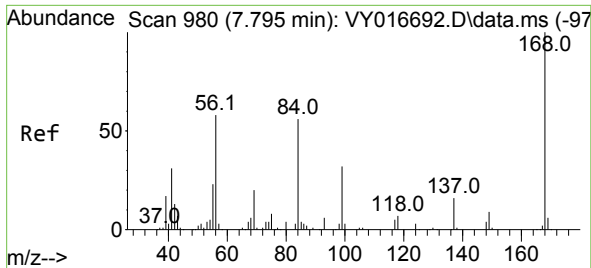
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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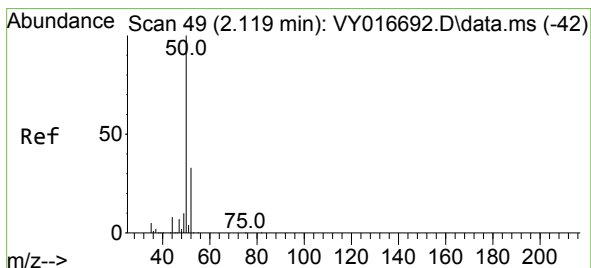
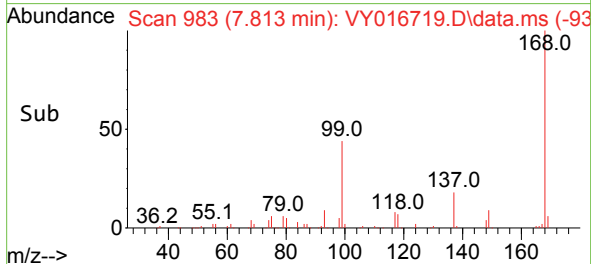
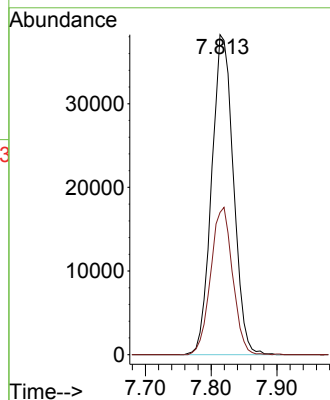
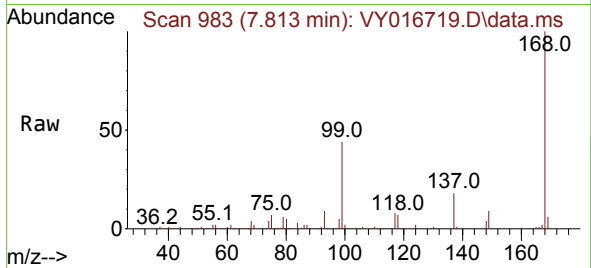




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016719.D
Acq: 20 Dec 2023 01:31

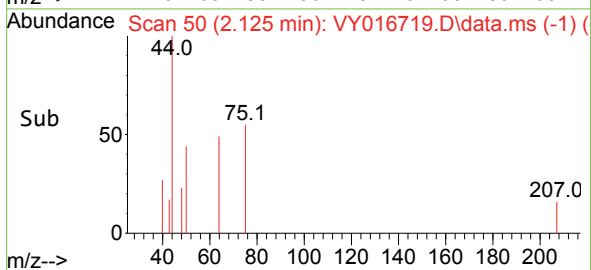
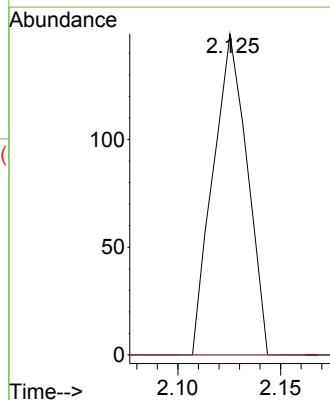
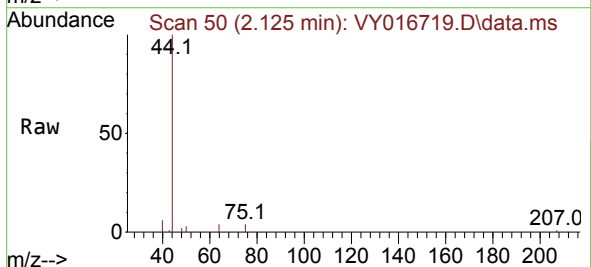
Instrument :
MSVOA_Y
ClientSampleId :

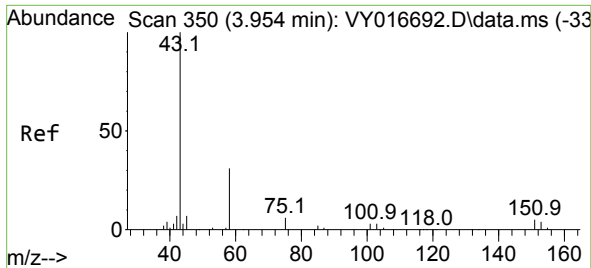
Tgt Ion:168 Resp: 87977
Ion Ratio Lower Upper
168 100
99 44.4 40.2 60.4



#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.006 min
Lab File: VY016719.D
Acq: 20 Dec 2023 01:31

Tgt Ion: 50 Resp: 172
Ion Ratio Lower Upper
50 100
52 0.0 26.6 40.0#

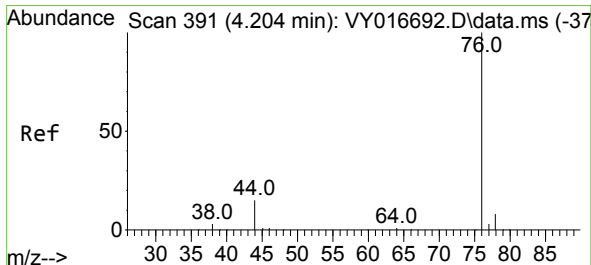
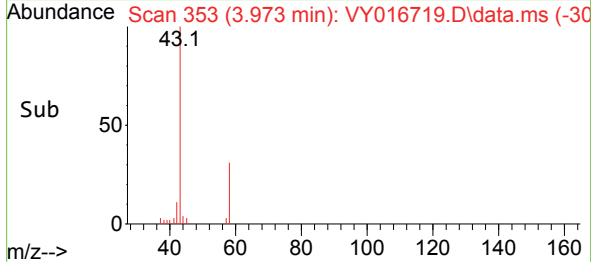
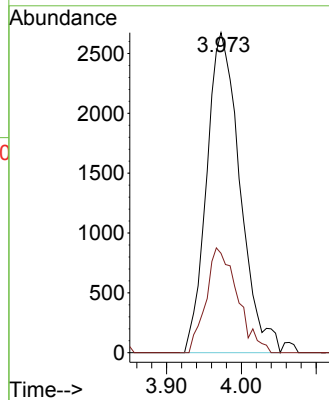
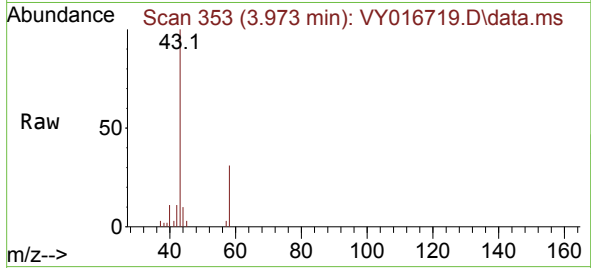




#16
Acetone
Concen: 19.542 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.019 min
Lab File: VY016719.D
Acq: 20 Dec 2023 01:31

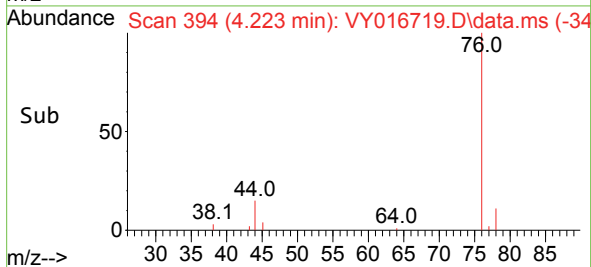
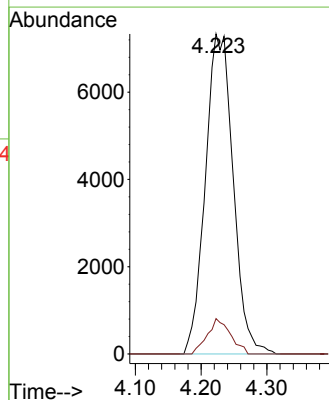
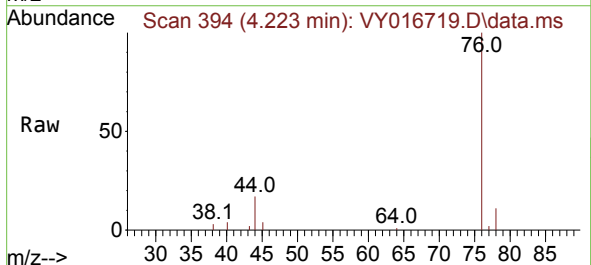
Instrument :
MSVOA_Y
ClientSampleId :

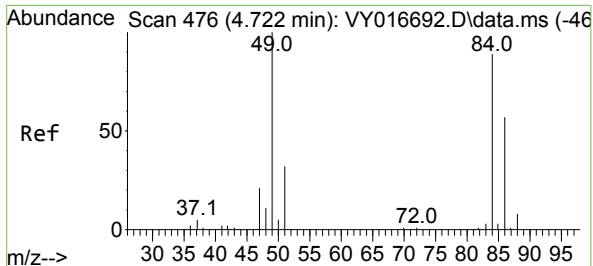
Tgt Ion: 43 Resp: 8274
Ion Ratio Lower Upper
43 100
58 31.1 29.0 43.4



#17
Carbon Disulfide
Concen: 11.002 ug/l
RT: 4.223 min Scan# 394
Delta R.T. 0.018 min
Lab File: VY016719.D
Acq: 20 Dec 2023 01:31

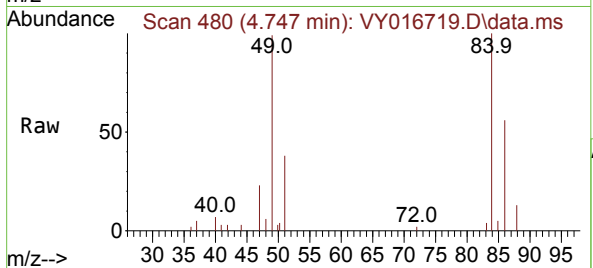
Tgt Ion: 76 Resp: 21578
Ion Ratio Lower Upper
76 100
78 11.0 7.3 10.9#



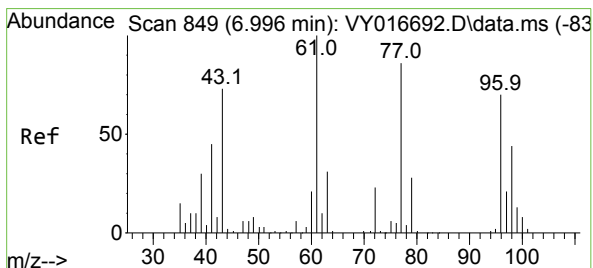
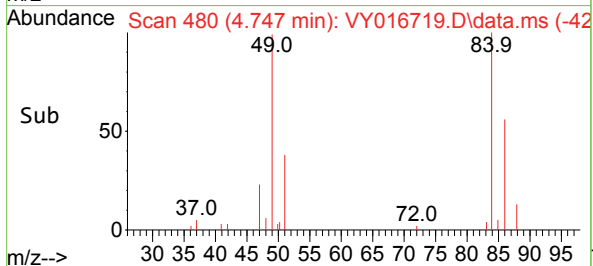
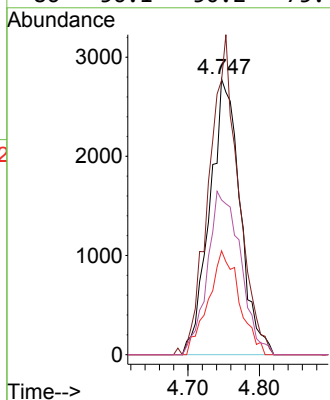


#20
Methylene Chloride
Concen: 5.794 ug/l
RT: 4.747 min Scan# 41
Delta R.T. 0.025 min
Lab File: VY016719.D
Acq: 20 Dec 2023 01:31

Instrument :
MSVOA_Y
ClientSampleId :

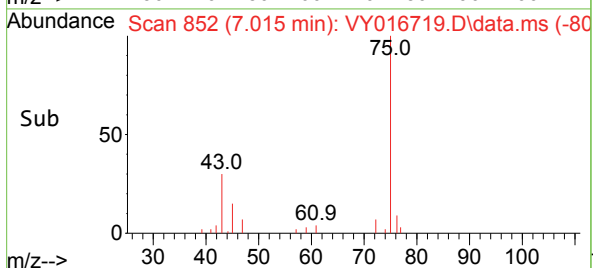
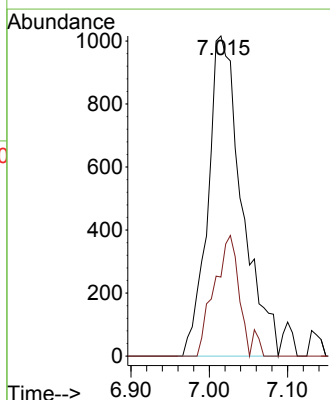
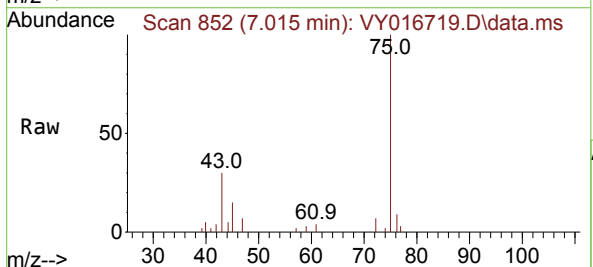


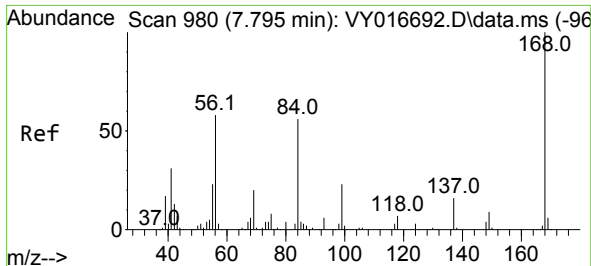
Tgt Ion: 84	Resp: 8208
Ion Ratio	Lower Upper
84 100	
49 99.5	83.8 125.8
51 37.7	27.2 40.8
86 56.1	50.2 75.4



#25
2-Butanone
Concen: Below Cal
RT: 7.015 min Scan# 852
Delta R.T. 0.019 min
Lab File: VY016719.D
Acq: 20 Dec 2023 01:31

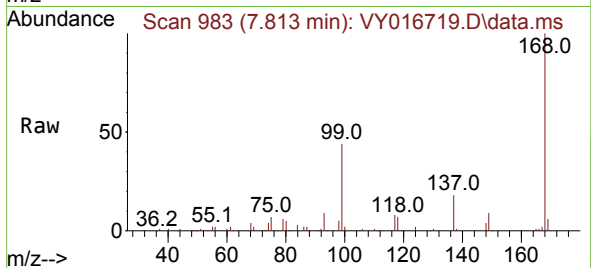
Tgt Ion: 43	Resp: 3065		
Ion Ratio	Lower	Upper	
43 100			
72 24.7	26.3	39.5#	



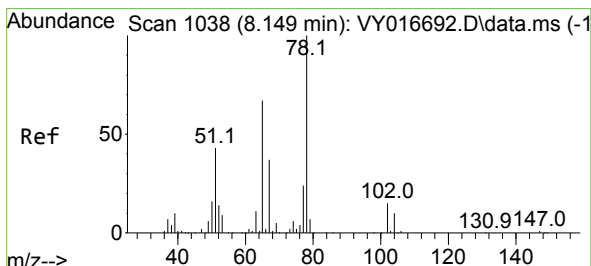
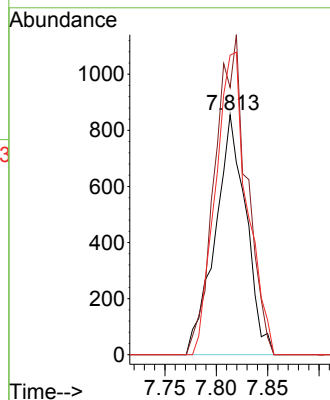
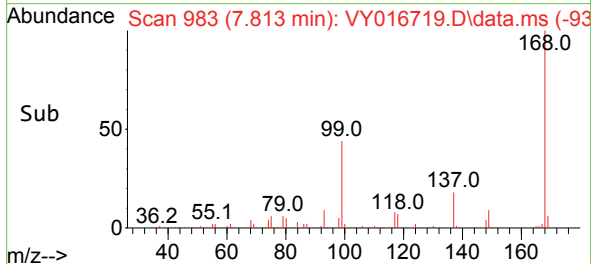


#31
Cyclohexane
Concen: 1.500 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY016719.D
Acq: 20 Dec 2023 01:31

Instrument :
MSVOA_Y
ClientSampleId :

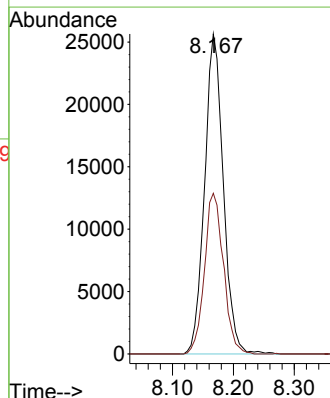
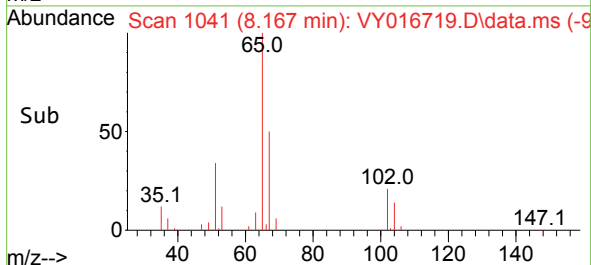
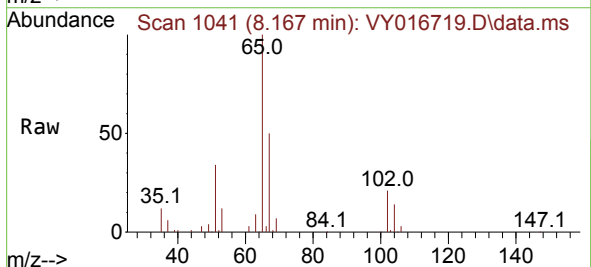


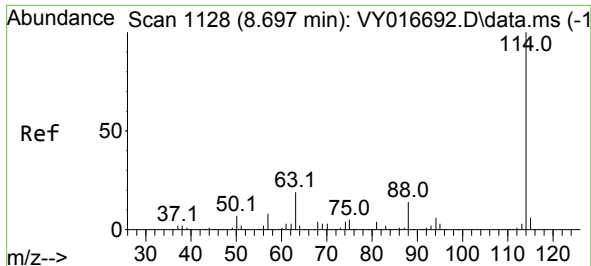
Tgt Ion: 56 Resp: 1786
Ion Ratio Lower Upper
56 100
69 111.5 27.5 41.3#
84 124.9 78.1 117.1#



#33
1,2-Dichloroethane-d4
Concen: 75.321 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.018 min
Lab File: VY016719.D
Acq: 20 Dec 2023 01:31

Tgt Ion: 65 Resp: 54810
Ion Ratio Lower Upper
65 100
67 51.0 0.0 108.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.716 min Scan# 1128

Delta R.T. 0.018 min

Lab File: VY016719.D

Acq: 20 Dec 2023 01:31

Instrument :

MSVOA_Y

ClientSampleId :

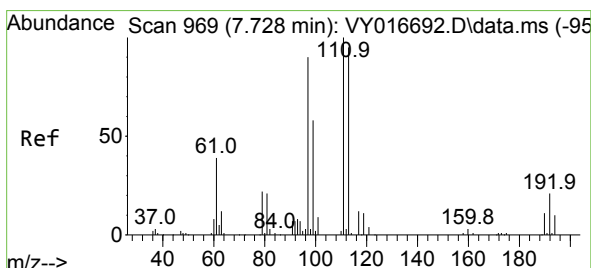
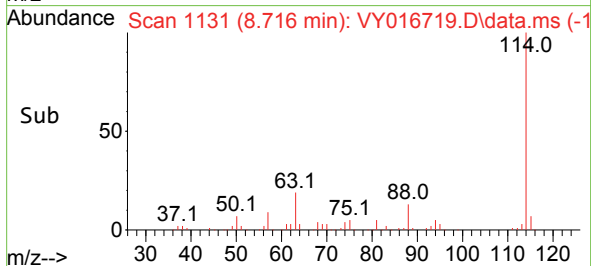
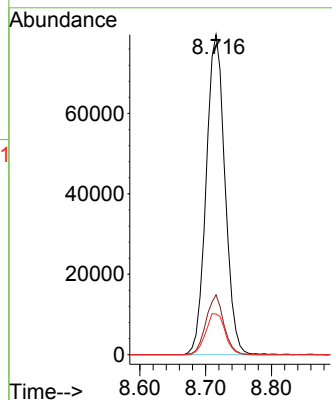
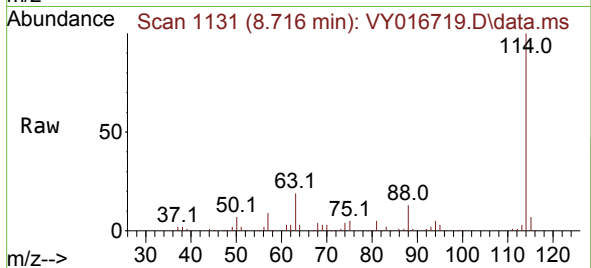
Tgt Ion:114 Resp: 157986

Ion Ratio Lower Upper

114 100

63 18.7 0.0 34.0

88 12.7 0.0 29.2



#35

Dibromofluoromethane

Concen: 41.249 ug/l

RT: 7.746 min Scan# 972

Delta R.T. 0.018 min

Lab File: VY016719.D

Acq: 20 Dec 2023 01:31

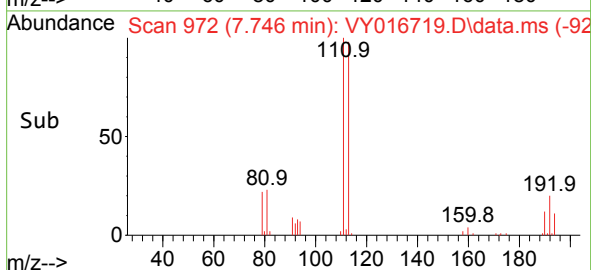
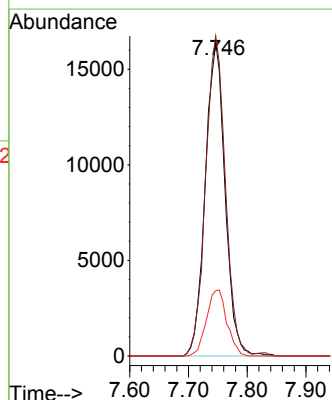
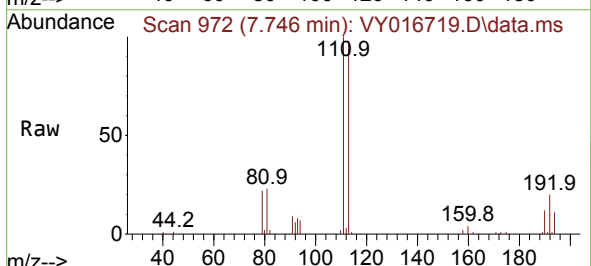
Tgt Ion:113 Resp: 38381

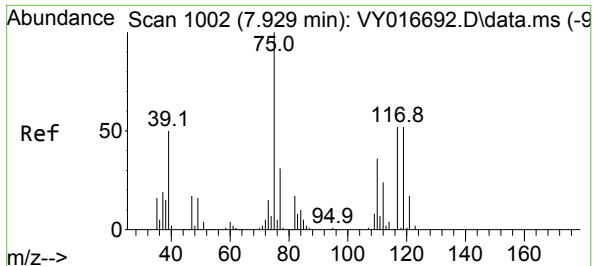
Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

192 21.7 16.2 24.4





#36

1,1-Dichloropropene

Concen: 4.783 ug/l

RT: 7.819 min Scan# 984

Delta R.T. -0.110 min

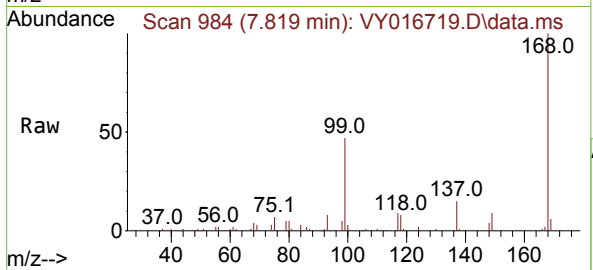
Lab File: VY016719.D

Acq: 20 Dec 2023 01:31

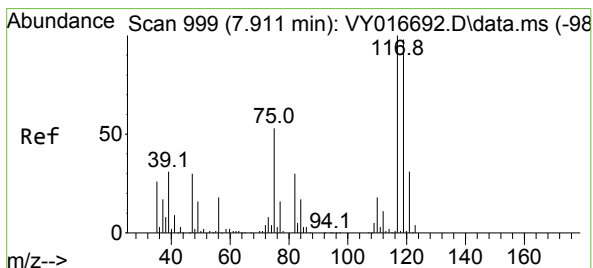
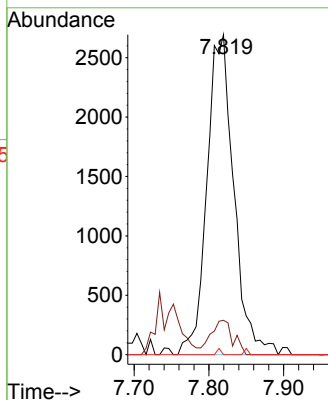
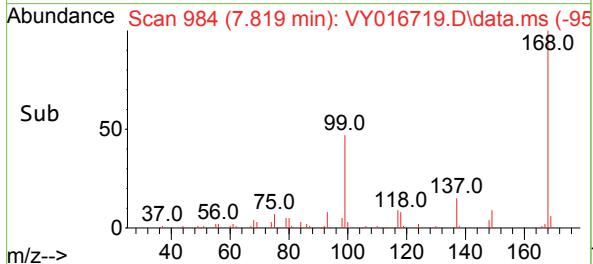
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	75	Resp:	6732
Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.9	56.9#
77	0.3	25.3	37.9#



#38

Carbon Tetrachloride

Concen: 5.398 ug/l

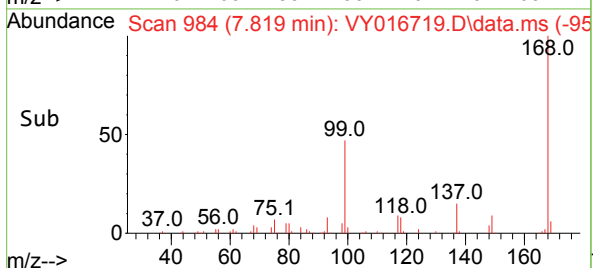
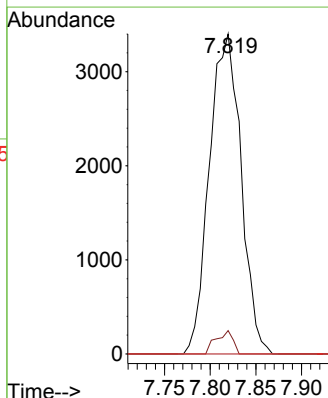
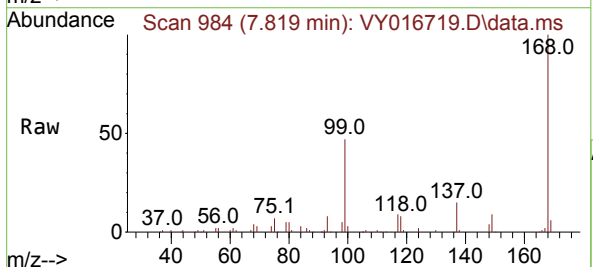
RT: 7.819 min Scan# 984

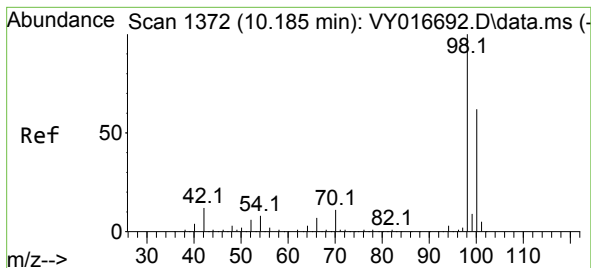
Delta R.T. -0.091 min

Lab File: VY016719.D

Acq: 20 Dec 2023 01:31

Tgt Ion:	117	Resp:	8198
Ion	Ratio	Lower	Upper
117	100		
119	7.3	75.0	112.4#
121	0.0	24.2	36.4#





#50

Toluene-d8

Concen: 56.938 ug/l

RT: 10.203 min Scan# 11

Delta R.T. 0.018 min

Lab File: VY016719.D

Acq: 20 Dec 2023 01:31

Instrument :

MSVOA_Y

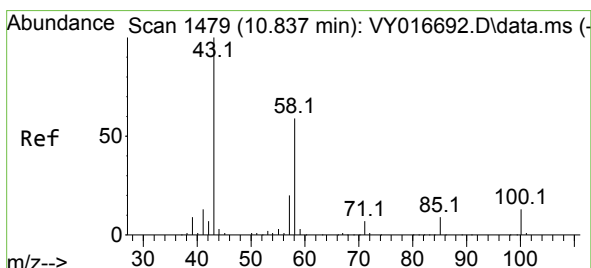
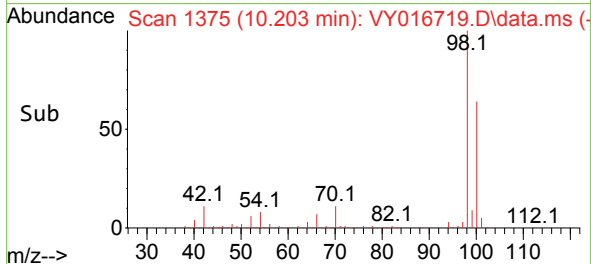
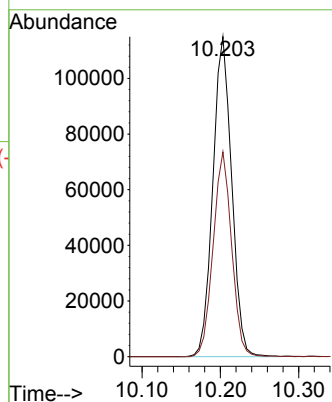
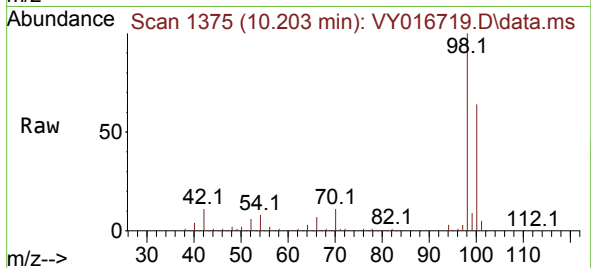
ClientSampleId :

Tgt Ion: 98 Resp: 191871

Ion Ratio Lower Upper

98 100

100 63.0 52.5 78.7



#59

2-Hexanone

Concen: 3.882 ug/l

RT: 10.856 min Scan# 1482

Delta R.T. 0.018 min

Lab File: VY016719.D

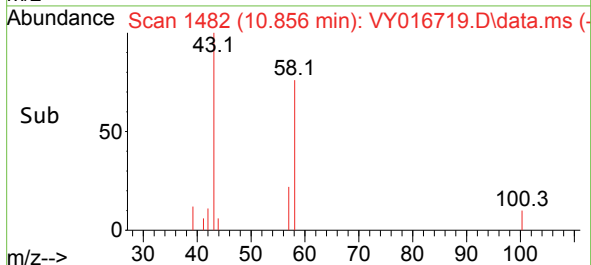
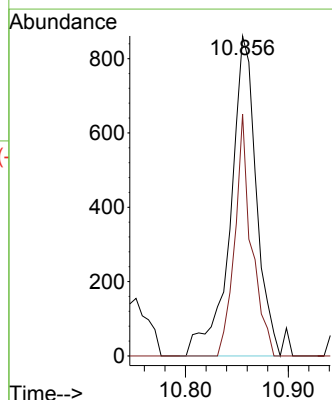
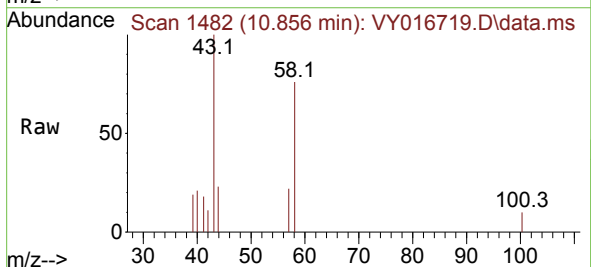
Acq: 20 Dec 2023 01:31

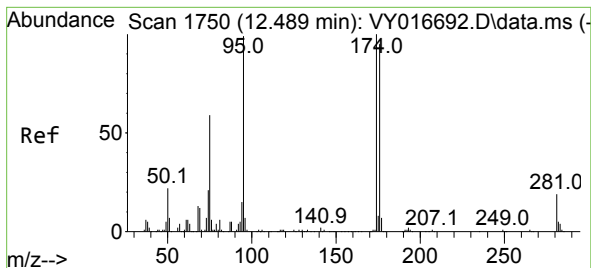
Tgt Ion: 43 Resp: 1503

Ion Ratio Lower Upper

43 100

58 48.8 30.8 92.4

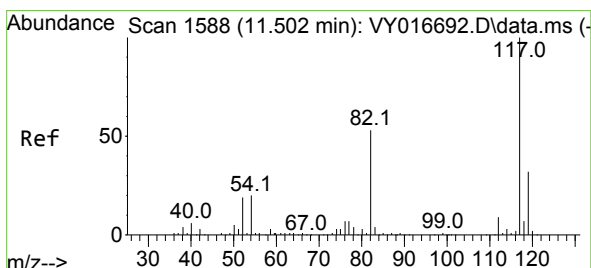
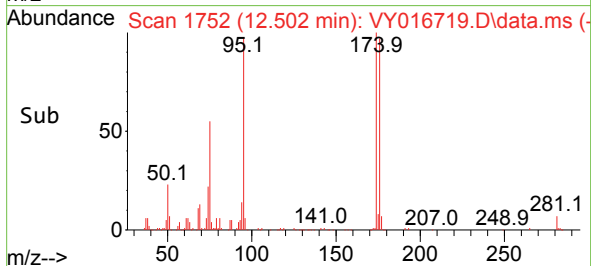
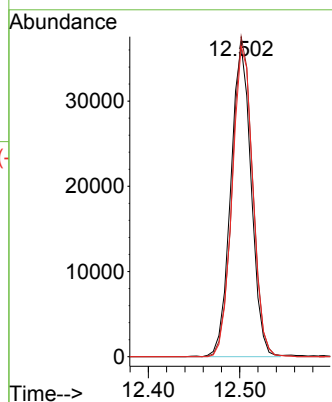
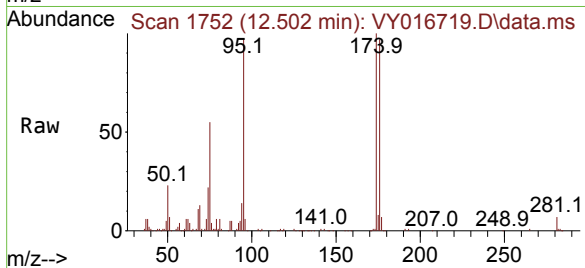




#62
4-Bromofluorobenzene
Concen: 59.501 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. 0.012 min
Lab File: VY016719.D
Acq: 20 Dec 2023 01:31

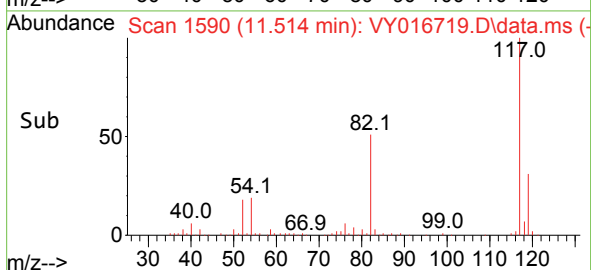
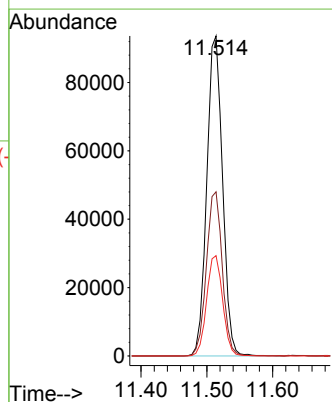
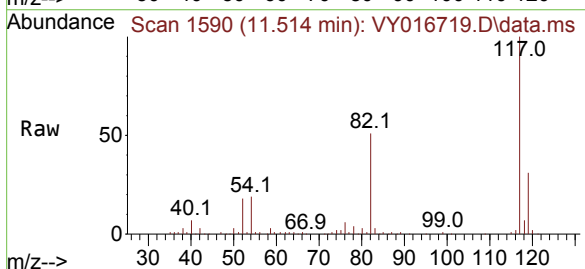
Instrument :
MSVOA_Y
ClientSampleId :

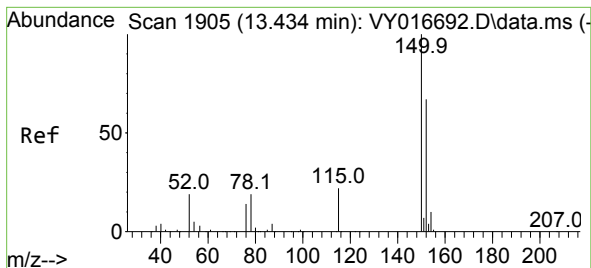
Tgt Ion: 95 Resp: 57011
Ion Ratio Lower Upper
95 100
174 102.2 0.0 181.0
176 99.5 0.0 176.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.514 min Scan# 1590
Delta R.T. 0.012 min
Lab File: VY016719.D
Acq: 20 Dec 2023 01:31

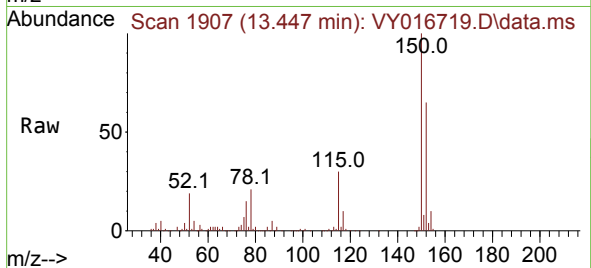
Tgt Ion: 117 Resp: 155828
Ion Ratio Lower Upper
117 100
82 51.3 41.0 61.6
119 31.3 25.8 38.8



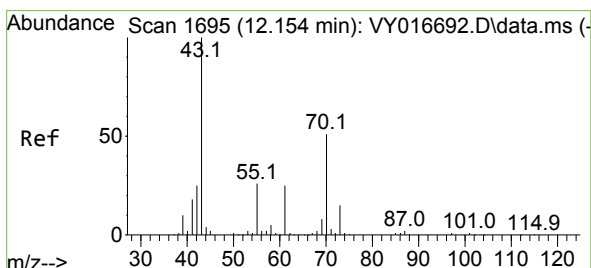
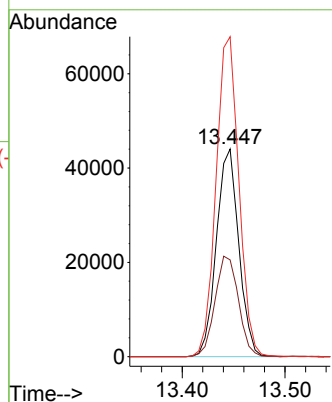
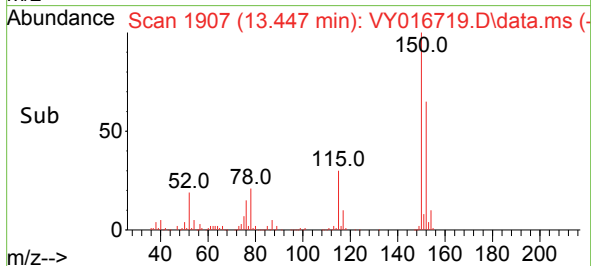


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.447 min Scan# 1905
Delta R.T. 0.012 min
Lab File: VY016719.D
Acq: 20 Dec 2023 01:31

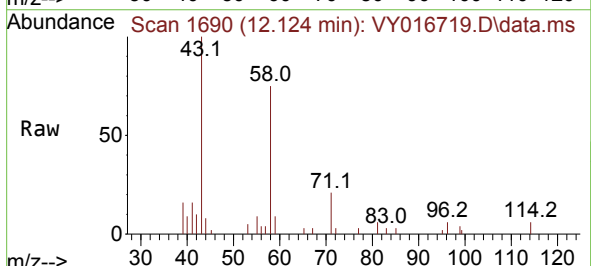
Instrument :
MSVOA_Y
ClientSampleId :



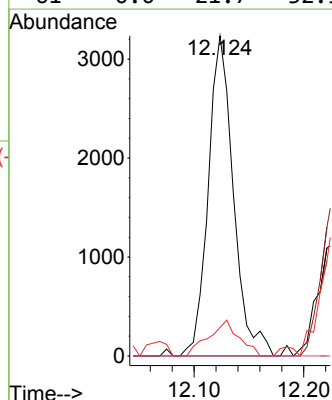
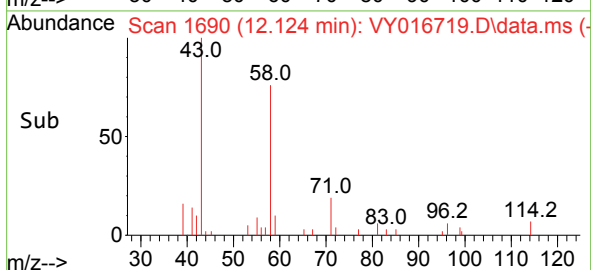
Tgt Ion:152 Resp: 66573
Ion Ratio Lower Upper
152 100
115 50.6 28.2 84.7
150 156.9 0.0 350.6

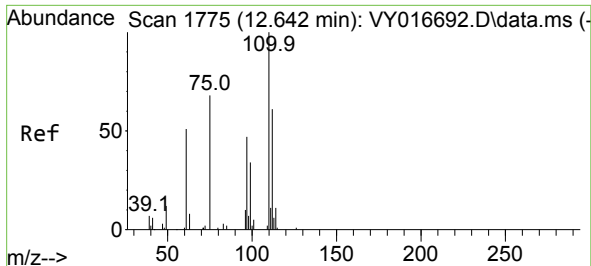


#74
N-ethyl acetate
Concen: 6.210 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.030 min
Lab File: VY016719.D
Acq: 20 Dec 2023 01:31



Tgt Ion: 43 Resp: 5172
Ion Ratio Lower Upper
43 100
70 0.0 41.2 61.8#
55 13.4 22.2 33.2#
61 0.0 21.7 32.5#

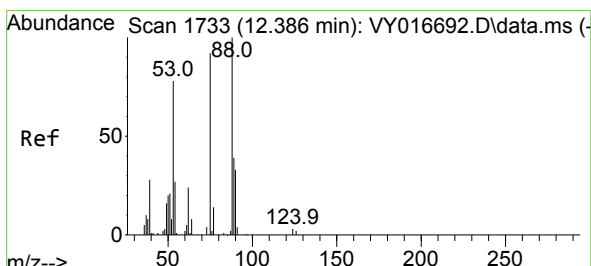
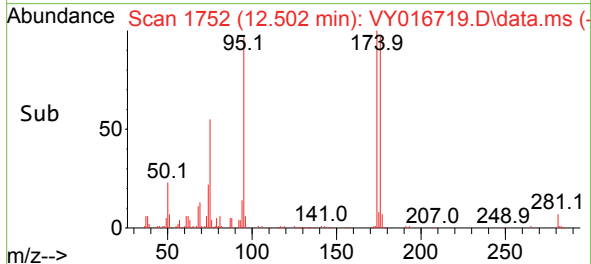
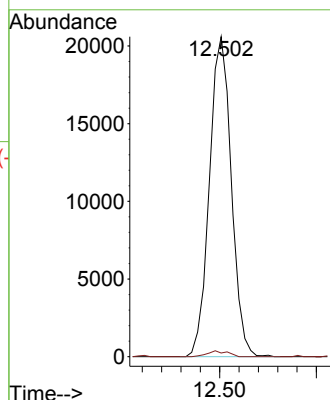
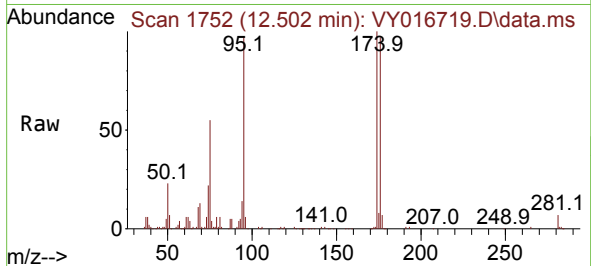




#76
1,2,3-Trichloropropane
Concen: 56.014 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. -0.140 min
Lab File: VY016719.D
Acq: 20 Dec 2023 01:31

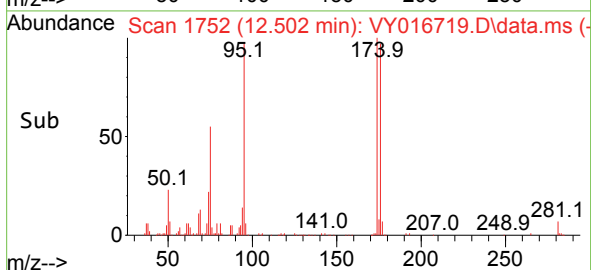
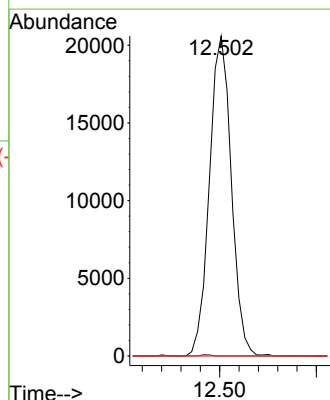
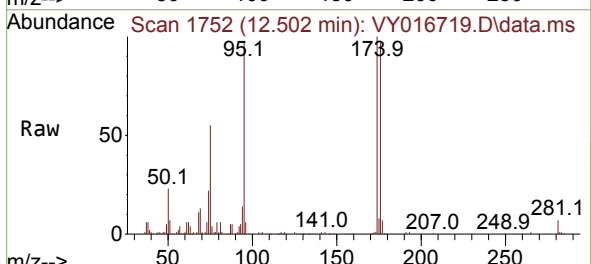
Instrument :
MSVOA_Y
ClientSampleId :

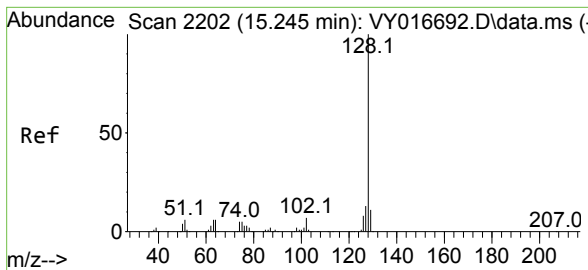
Tgt Ion: 75 Resp: 32415
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 128.519 ug/l
RT: 12.502 min Scan# 1752
Delta R.T. 0.116 min
Lab File: VY016719.D
Acq: 20 Dec 2023 01:31

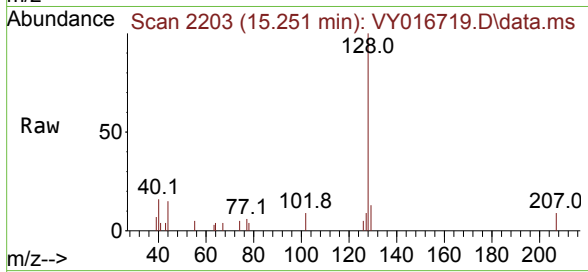
Tgt Ion: 75 Resp: 32415
Ion Ratio Lower Upper
75 100
53 0.2 62.9 94.3#
89 0.0 35.8 53.8#





#95
 Naphthalene
 Concen: 1.473 ug/l
 RT: 15.251 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY016719.D
 Acq: 20 Dec 2023 01:31

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	128	Resp:	2543
Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.1	15.1
129	8.0	8.8	13.2#

