

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082523\
 Data File : VY015343.D
 Acq On : 25 Aug 2023 15:28
 Operator : SY/MD
 Sample : 04169-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 23:42:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 14 12:43:26 2023
 Response via : Initial Calibration

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

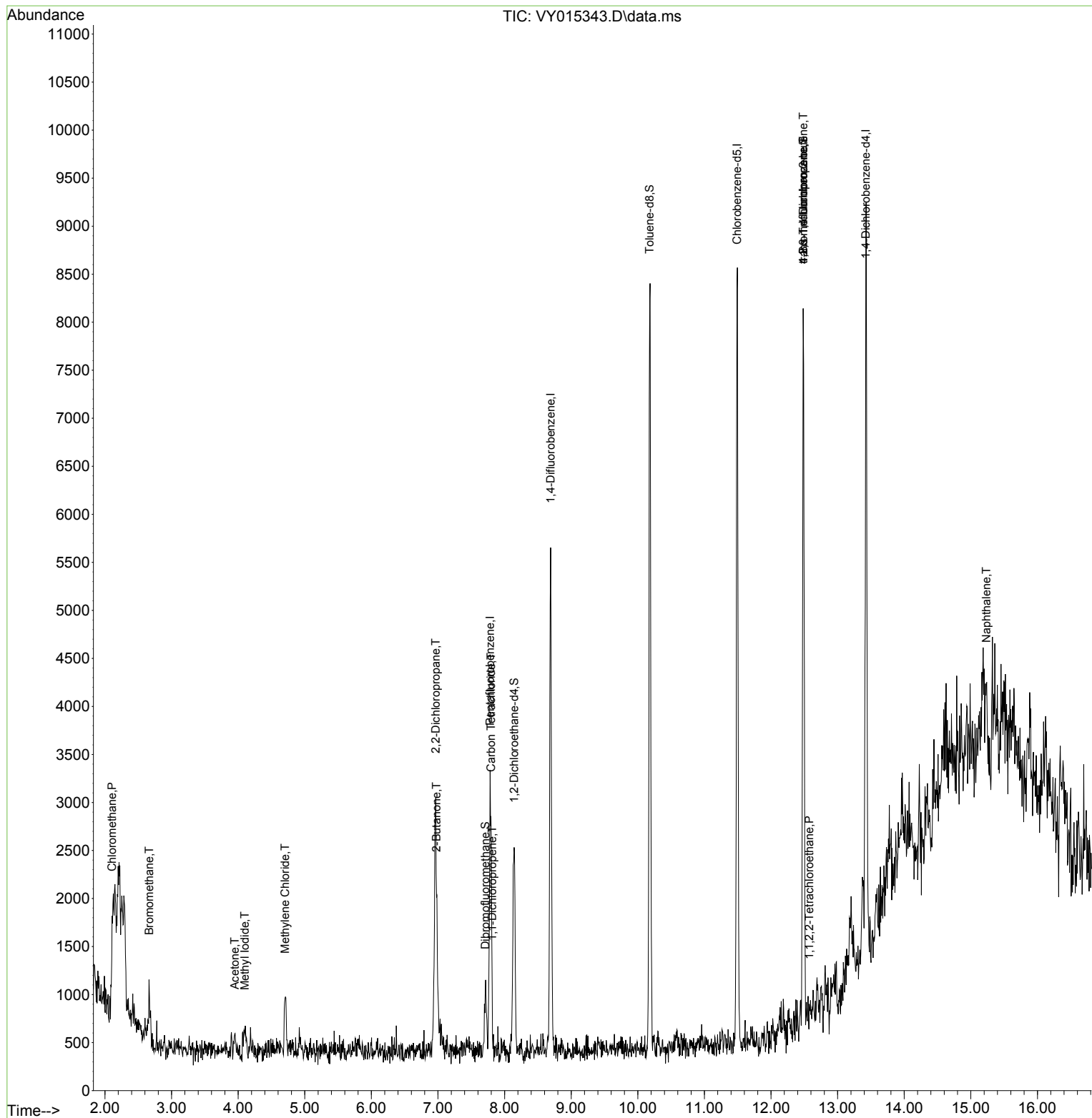
Internal Standards						
1) Pentafluorobenzene	7.783	168	2795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	4979	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	4902	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	1930	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	1952	58.179	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.360%
35) Dibromofluoromethane	7.709	113	661	20.636	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	41.280%#
50) Toluene-d8	10.178	98	5747	48.197	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.400%
62) 4-Bromofluorobenzene	12.483	95	2194	50.376	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.760%
Target Compounds						
						Qvalue
3) Chloromethane	2.107	50	179	7.476	ug/l #	43
5) Bromomethane	2.662	94	273	15.467	ug/l	84
10) Methyl Iodide	4.100	142	494	21.600	ug/l #	50
11) Tert butyl alcohol	4.917	59	26	Below Cal	#	89
16) Acetone	3.948	43	321	29.286	ug/l #	46
20) Methylene Chloride	4.704	84	328	8.933	ug/l #	78
25) 2-Butanone	6.978	43	22	1.418	ug/l #	49
26) 2,2-Dichloropropane	6.966	77	62	1.381	ug/l #	54
36) 1,1-Dichloropropene	7.813	75	91	2.568	ug/l #	41
38) Carbon Tetrachloride	7.795	117	253	6.032	ug/l #	12
75) 1,1,2,2-Tetrachloroethane	12.574	83	57	1.763	ug/l #	26
76) 1,2,3-Trichloropropane	12.483	75	1091	46.528	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1091	102.199	ug/l #	10
95) Naphthalene	15.232	128	671	7.485	ug/l #	73

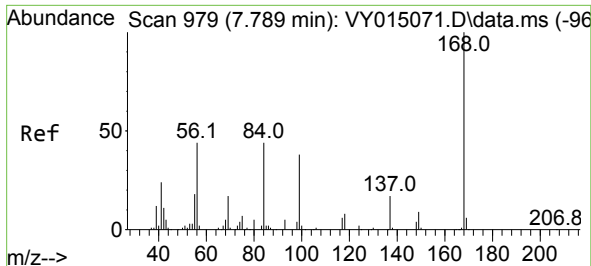
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082523\
Data File : VY015343.D
Acq On : 25 Aug 2023 15:28
Operator : SY/MD
Sample : 04169-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

Quant Time: Aug 25 23:42:50 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081423S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 14 12:43:26 2023
Response via : Initial Calibration

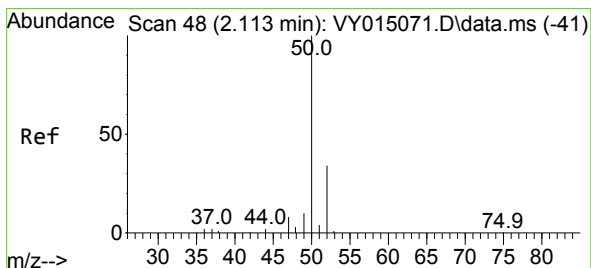
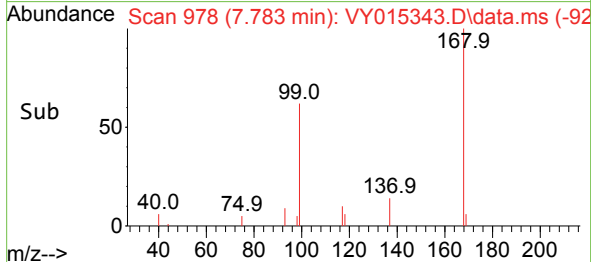
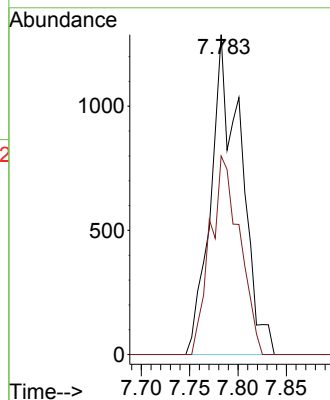
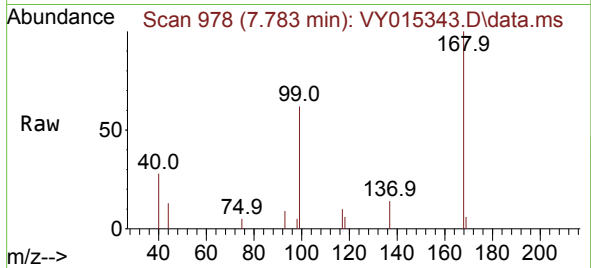




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY015343.D
Acq: 25 Aug 2023 15:28

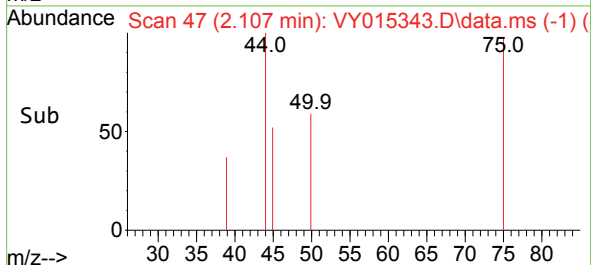
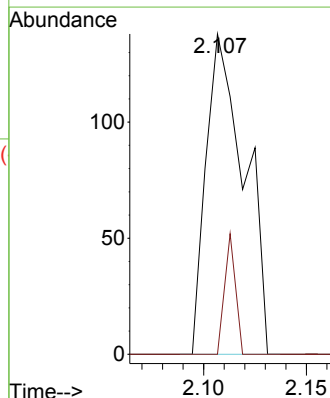
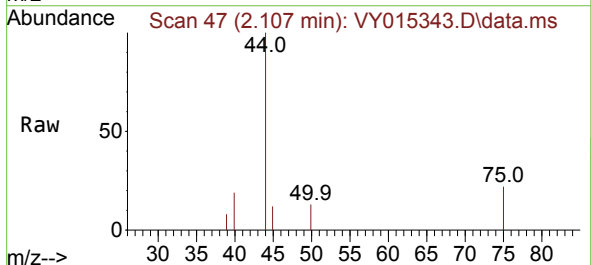
Instrument :
MSVOA_Y
ClientSampleId :

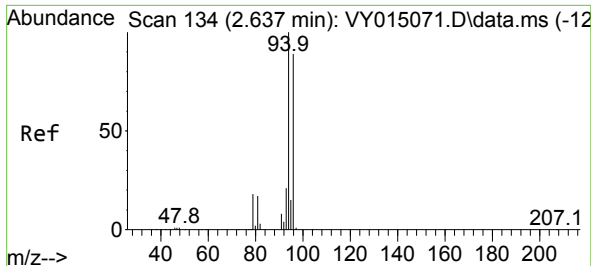
Tgt Ion:168 Resp: 2795
Ion Ratio Lower Upper
168 100
99 62.1 43.4 65.0



#3
Chloromethane
Concen: 7.476 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY015343.D
Acq: 25 Aug 2023 15:28

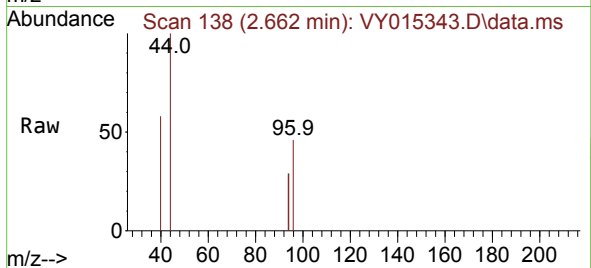
Tgt Ion: 50 Resp: 179
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.2#



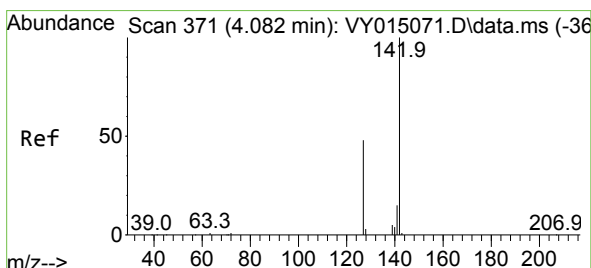
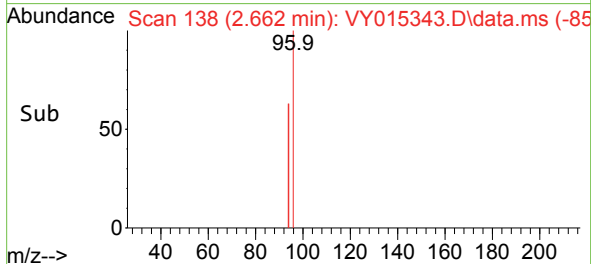
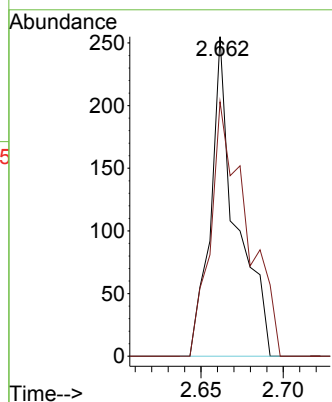


#5
Bromomethane
Concen: 15.467 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY015343.D
Acq: 25 Aug 2023 15:28

Instrument :
MSVOA_Y
ClientSampleId :

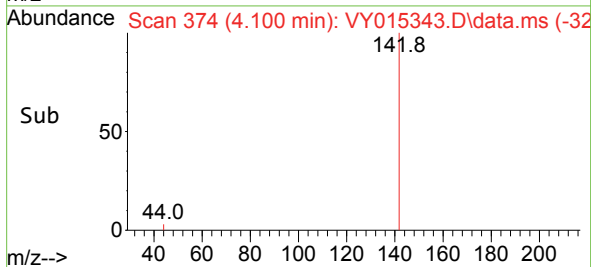
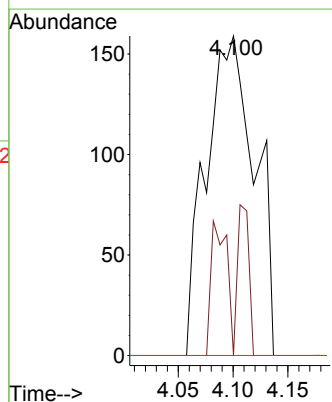
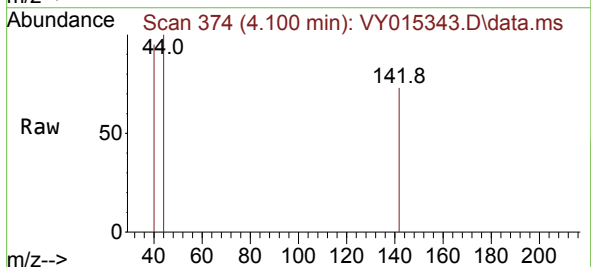


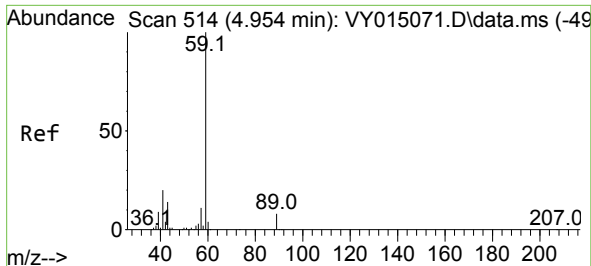
Tgt Ion: 94 Resp: 273
Ion Ratio Lower Upper
94 100
96 79.6 75.8 113.6



#10
Methyl Iodide
Concen: 21.600 ug/l
RT: 4.100 min Scan# 374
Delta R.T. 0.018 min
Lab File: VY015343.D
Acq: 25 Aug 2023 15:28

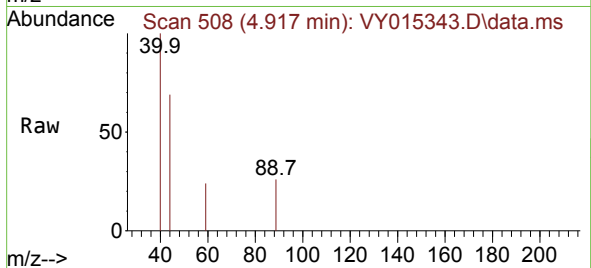
Tgt Ion: 142 Resp: 494
Ion Ratio Lower Upper
142 100
127 10.9 37.6 56.4#
141 0.0 11.8 17.8#



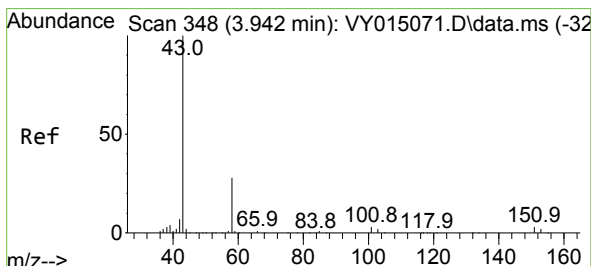
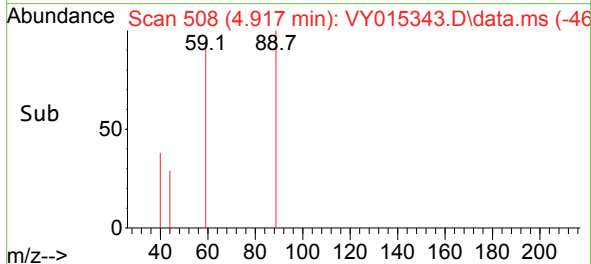
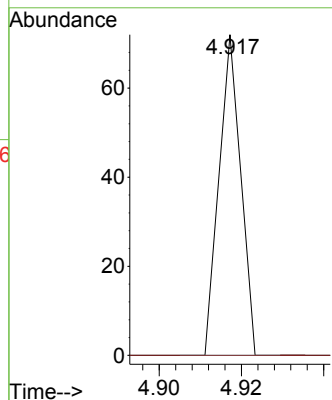


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.917 min Scan# 50
Delta R.T. -0.031 min
Lab File: VY015343.D
Acq: 25 Aug 2023 15:28

Instrument :
MSVOA_Y
ClientSampleId :

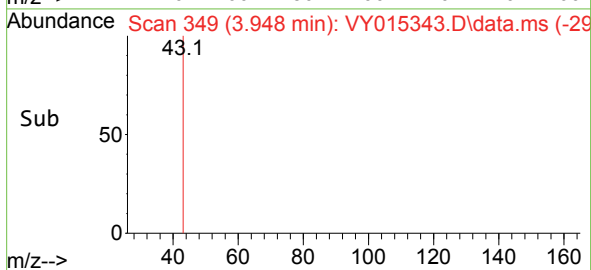
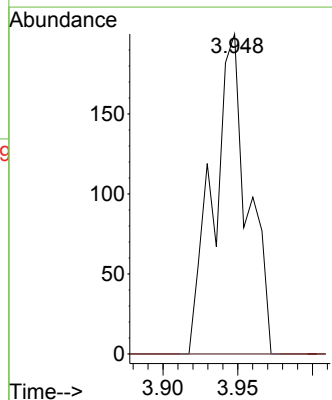
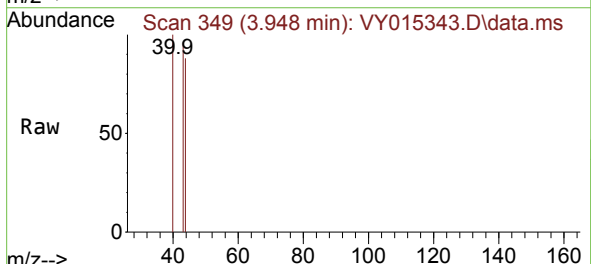


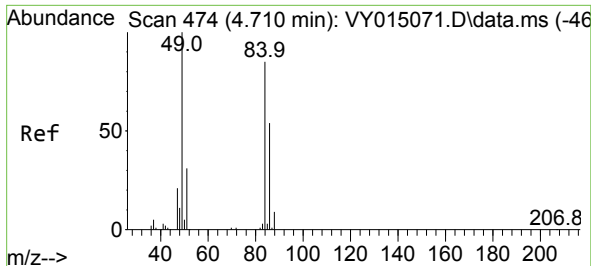
Tgt Ion: 59 Resp: 26
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#16
Acetone
Concen: 29.286 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015343.D
Acq: 25 Aug 2023 15:28

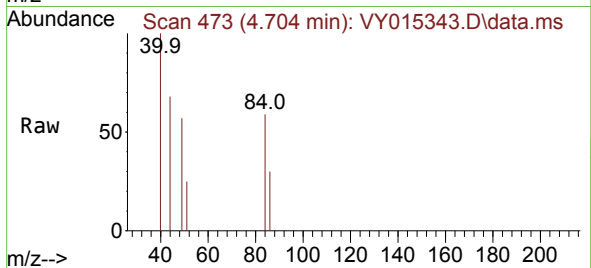
Tgt Ion: 43 Resp: 321
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#





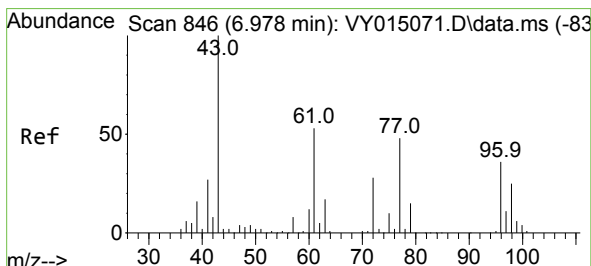
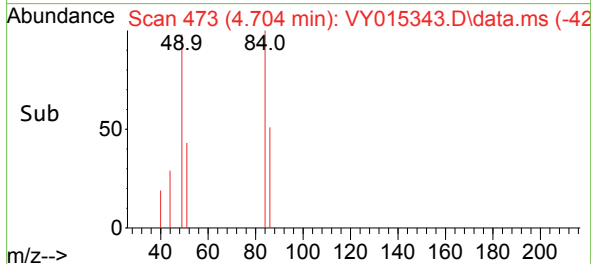
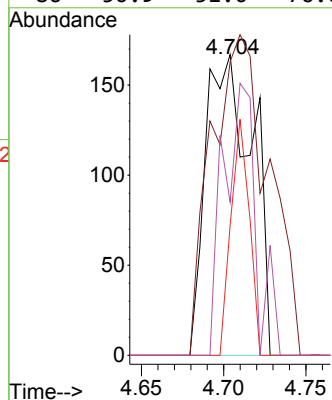
#20
Methylene Chloride
Concen: 8.933 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY015343.D
Acq: 25 Aug 2023 15:28

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 328

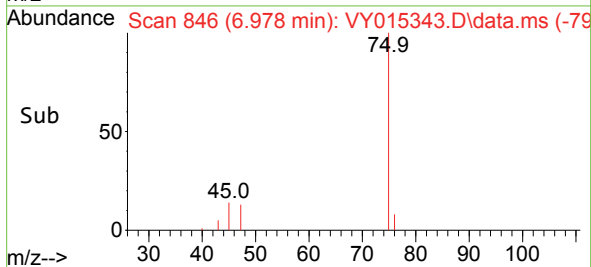
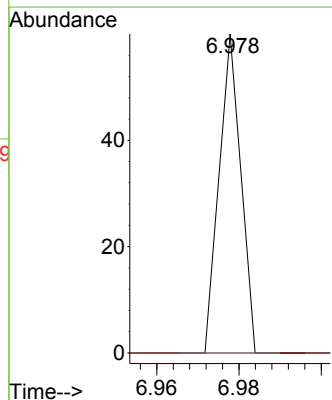
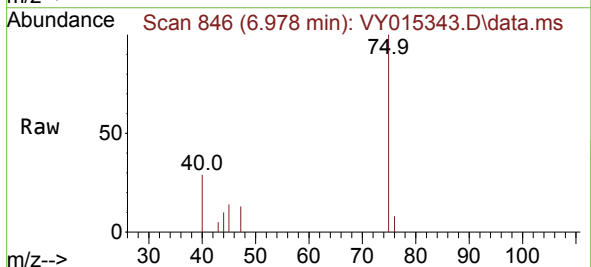
Ion	Ratio	Lower	Upper
84	100		
49	97.6	106.9	160.3#
51	43.1	33.2	49.8
86	50.9	51.0	76.6#

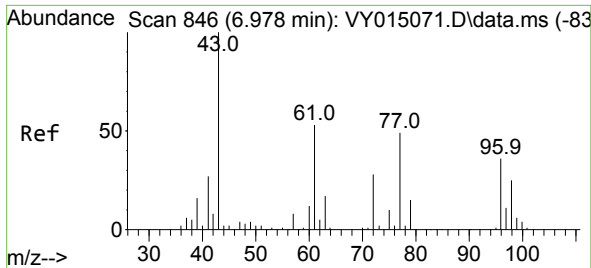


#25
2-Butanone
Concen: 1.418 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.000 min
Lab File: VY015343.D
Acq: 25 Aug 2023 15:28

Tgt Ion: 43 Resp: 22

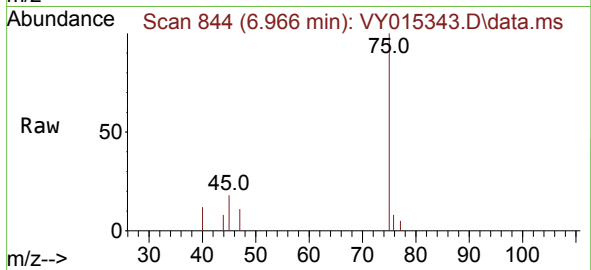
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.5	30.7#



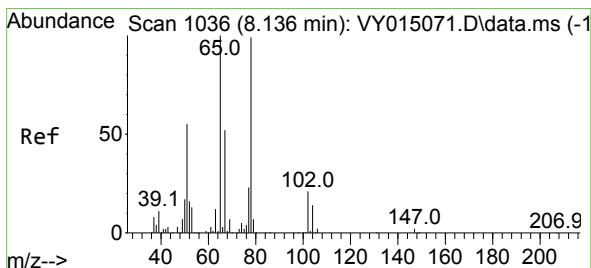
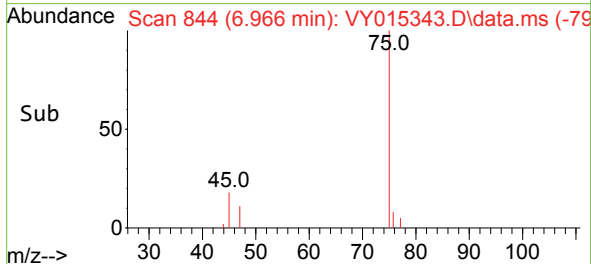
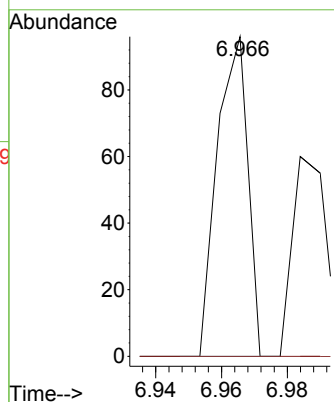


#26
2,2-Dichloropropane
Concen: 1.381 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.006 min
Lab File: VY015343.D
Acq: 25 Aug 2023 15:28

Instrument :
MSVOA_Y
ClientSampleId :

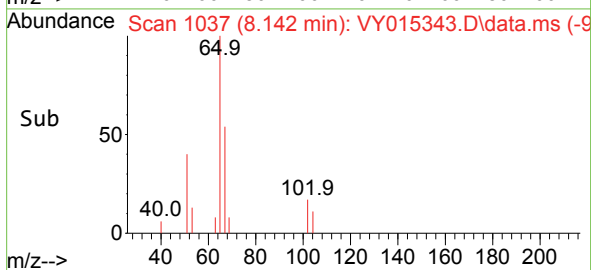
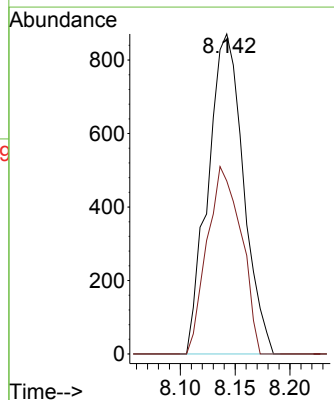
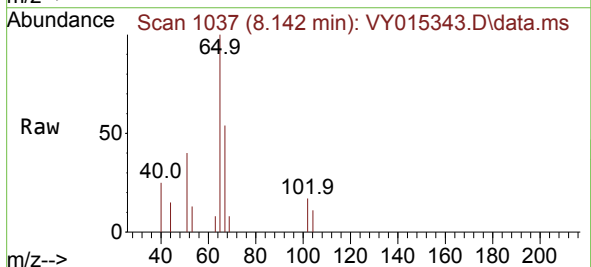


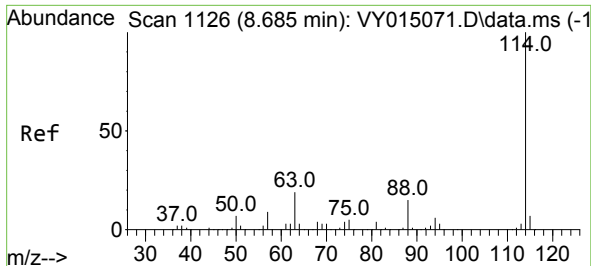
Tgt Ion: 77 Resp: 62
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#33
1,2-Dichloroethane-d4
Concen: 58.179 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015343.D
Acq: 25 Aug 2023 15:28

Tgt Ion: 65 Resp: 1952
Ion Ratio Lower Upper
65 100
67 56.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY015343.D

Acq: 25 Aug 2023 15:28

Instrument :

MSVOA_Y

ClientSampleId :

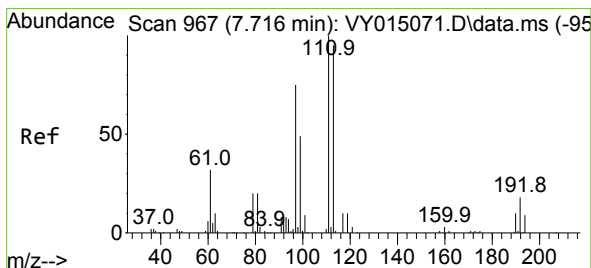
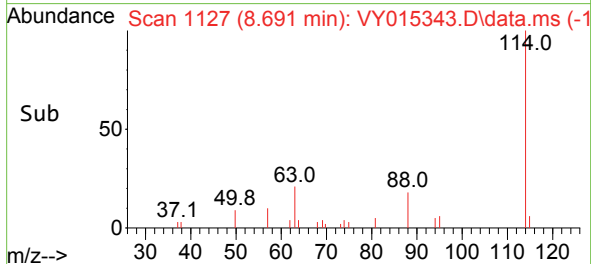
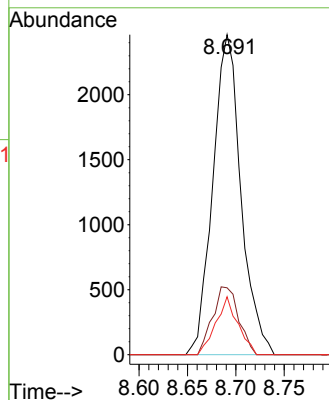
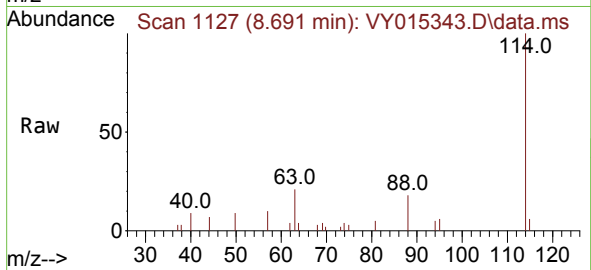
Tgt Ion:114 Resp: 4979

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.4

88 18.1 0.0 30.6



#35

Dibromofluoromethane

Concen: 20.636 ug/l

RT: 7.709 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY015343.D

Acq: 25 Aug 2023 15:28

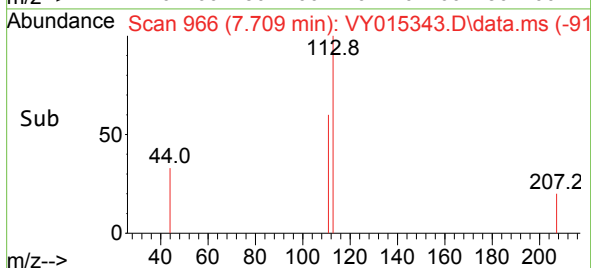
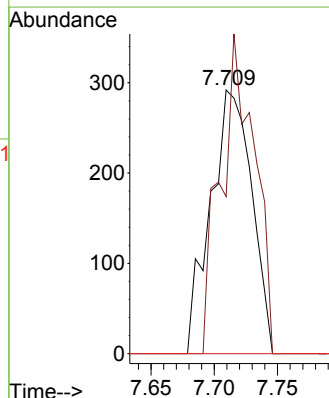
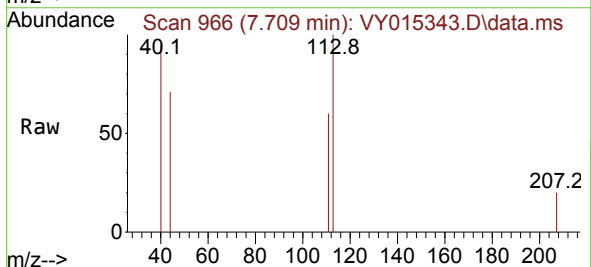
Tgt Ion:113 Resp: 661

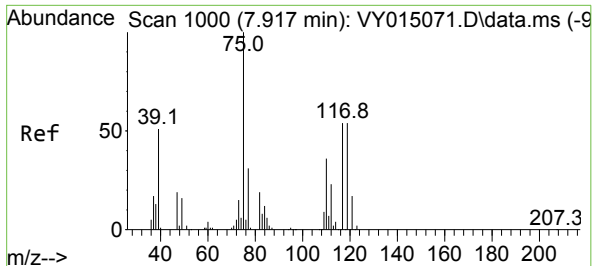
Ion Ratio Lower Upper

113 100

111 99.5 81.3 121.9

192 0.0 16.9 25.3#





#36

1,1-Dichloropropene

Concen: 2.568 ug/l

RT: 7.813 min Scan# 91

Delta R.T. -0.098 min

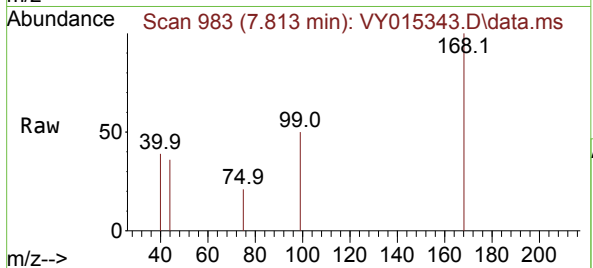
Lab File: VY015343.D

Acq: 25 Aug 2023 15:28

Instrument :

MSVOA_Y

ClientSampleId :



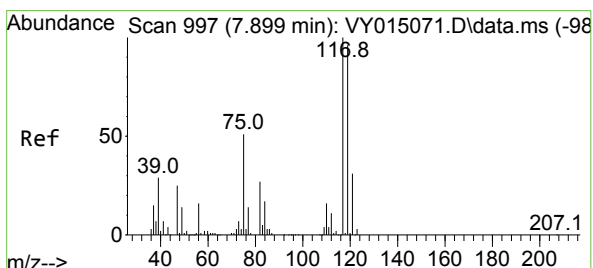
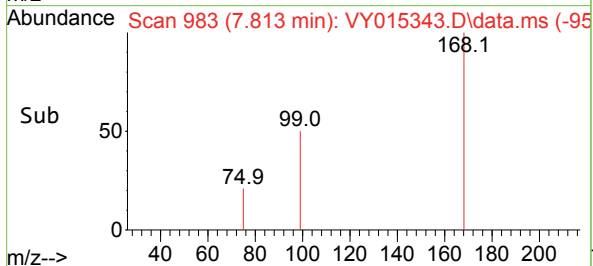
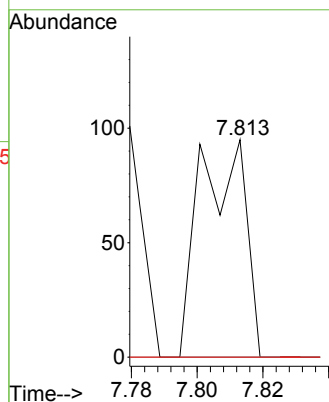
Tgt Ion: 75 Resp: 91

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.032 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.104 min

Lab File: VY015343.D

Acq: 25 Aug 2023 15:28

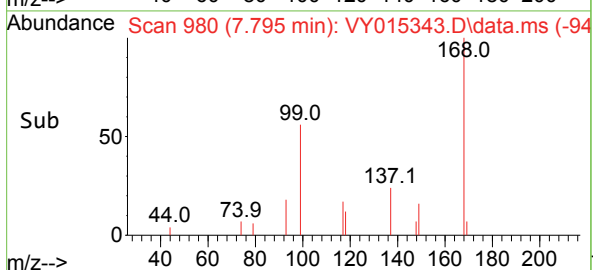
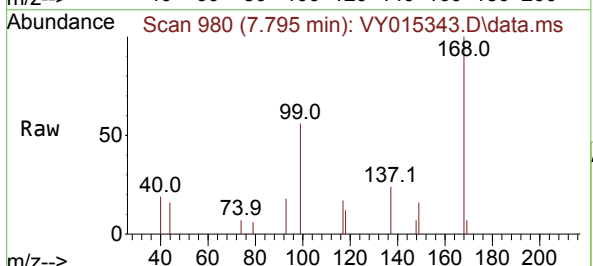
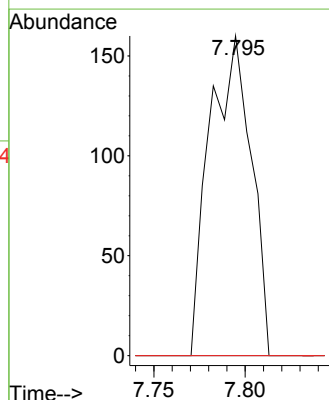
Tgt Ion: 117 Resp: 253

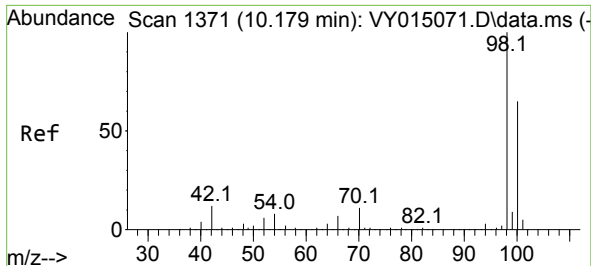
Ion Ratio Lower Upper

117 100

119 0.0 76.4 114.6#

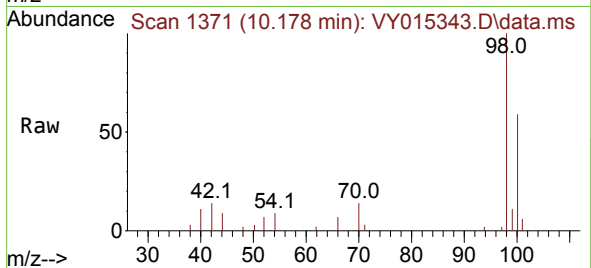
121 0.0 25.8 38.6#



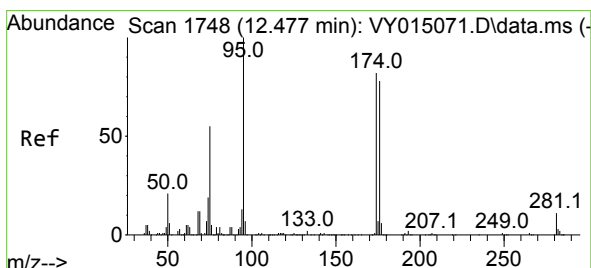
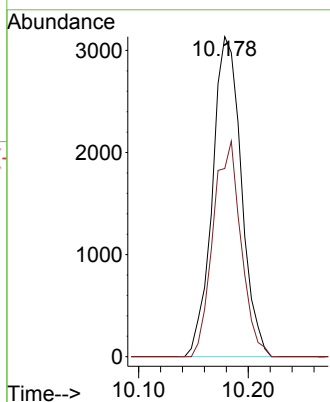
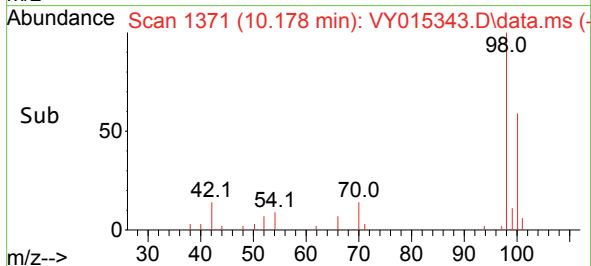


#50
Toluene-d8
Concen: 48.197 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015343.D
Acq: 25 Aug 2023 15:28

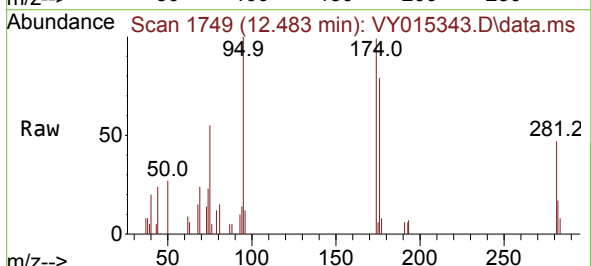
Instrument :
MSVOA_Y
ClientSampleId :



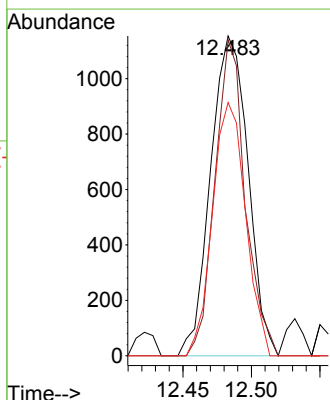
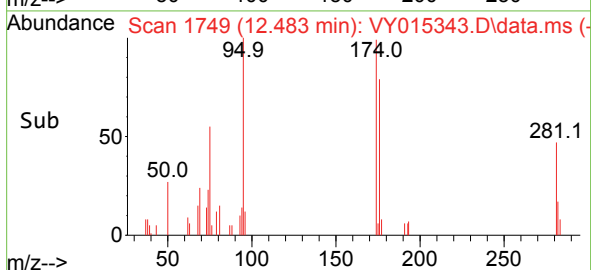
Tgt Ion: 98 Resp: 5747
Ion Ratio Lower Upper
98 100
100 64.9 50.1 75.1

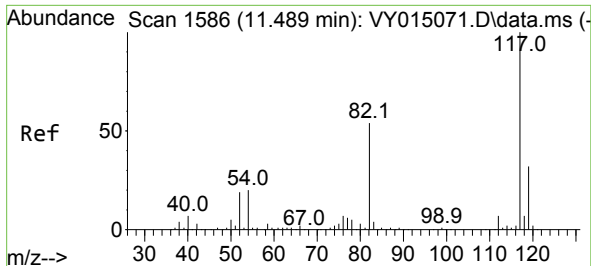


#62
4-Bromofluorobenzene
Concen: 50.376 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015343.D
Acq: 25 Aug 2023 15:28



Tgt Ion: 95 Resp: 2194
Ion Ratio Lower Upper
95 100
174 80.1 0.0 178.2
176 70.1 0.0 173.8

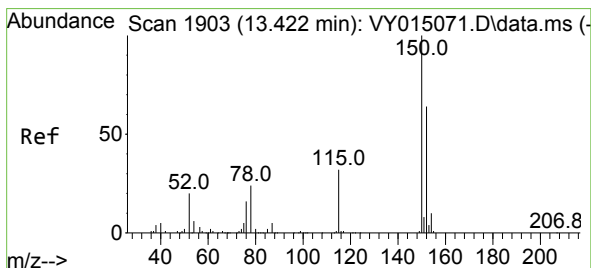
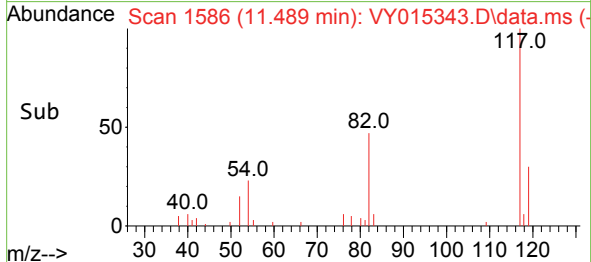
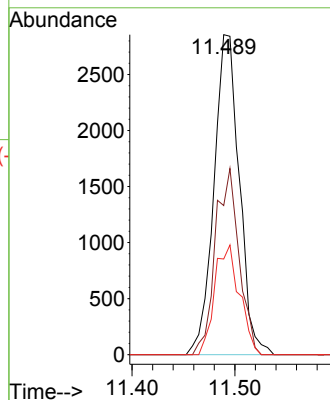
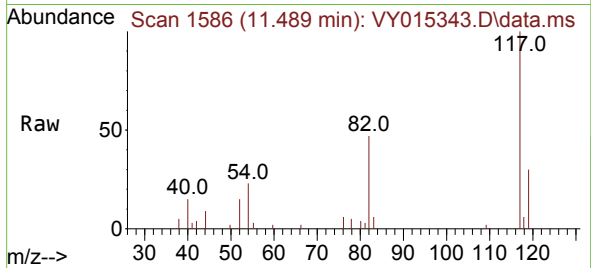




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015343.D
Acq: 25 Aug 2023 15:28

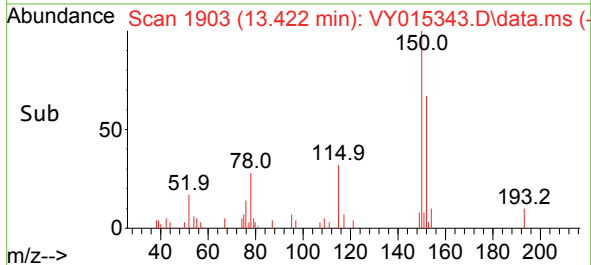
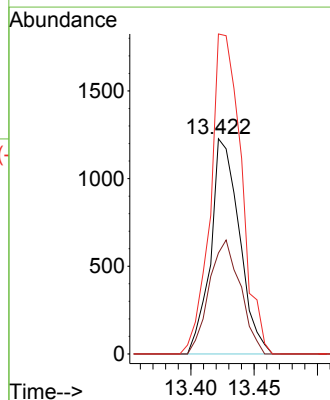
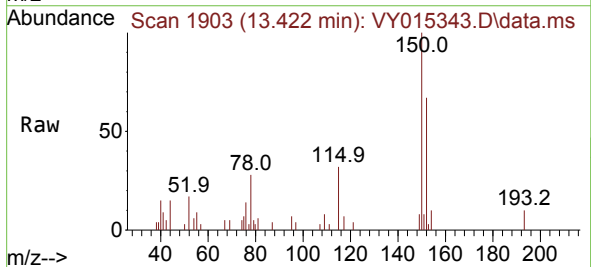
Instrument :
MSVOA_Y
ClientSampleId :

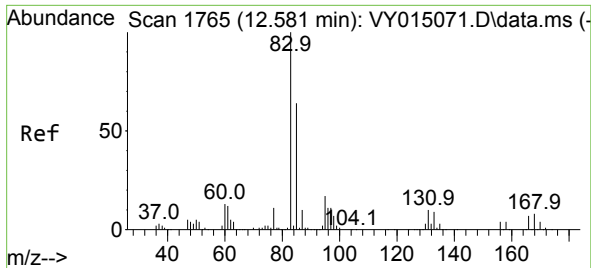
Tgt Ion	Ratio	Lower	Upper
117	100		
82	46.6	43.4	65.0
119	29.9	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY015343.D
Acq: 25 Aug 2023 15:28

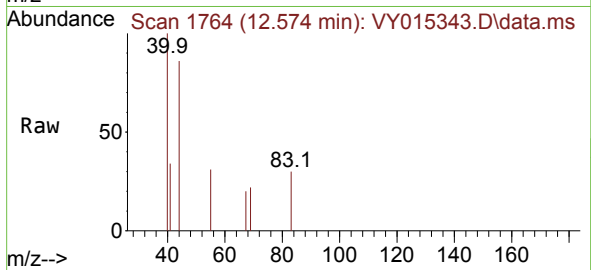
Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.8	86.5
150	160.5	0.0	348.8



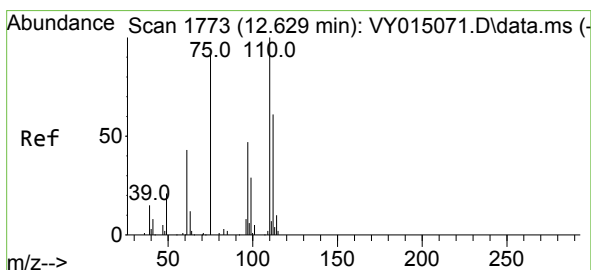
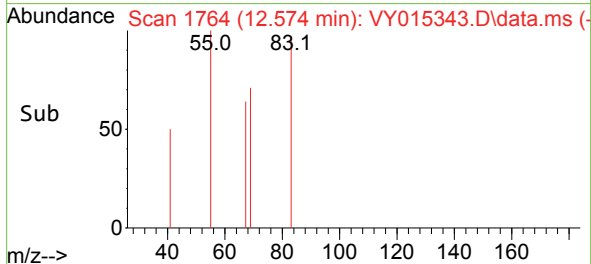
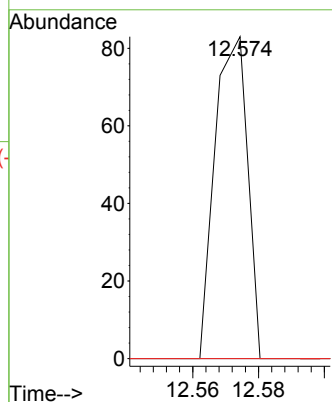


#75
1,1,2,2-Tetrachloroethane
Concen: 1.763 ug/l
RT: 12.574 min Scan# 1764
Delta R.T. -0.006 min
Lab File: VY015343.D
Acq: 25 Aug 2023 15:28

Instrument :
MSVOA_Y
ClientSampleId :

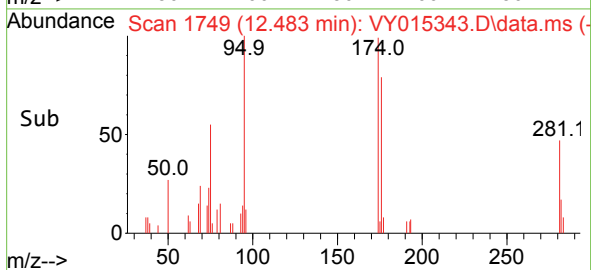
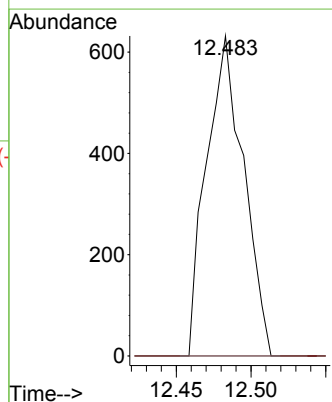
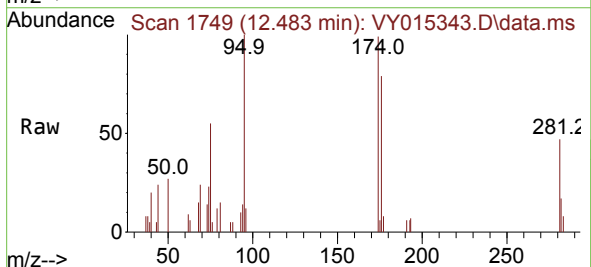


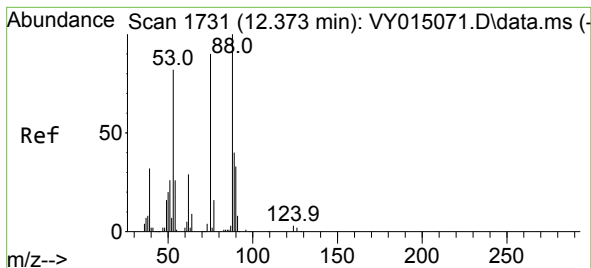
Tgt Ion: 83 Resp: 57
Ion Ratio Lower Upper
83 100
131 0.0 5.4 16.2#
85 0.0 31.8 95.4#



#76
1,2,3-Trichloropropane
Concen: 46.528 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY015343.D
Acq: 25 Aug 2023 15:28

Tgt Ion: 75 Resp: 1091
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

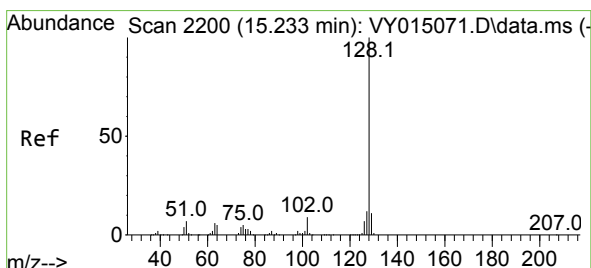
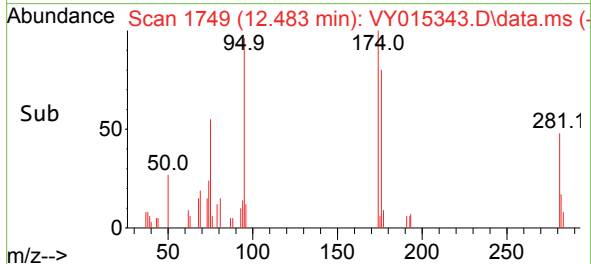
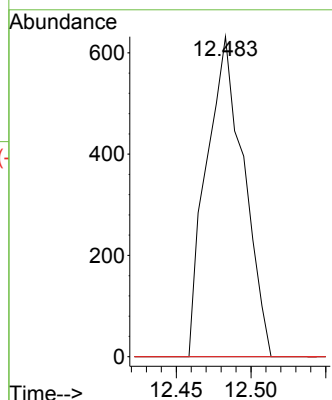
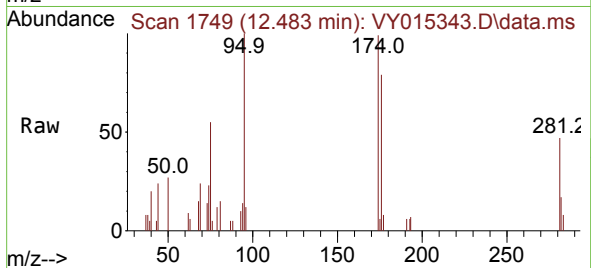




#81
trans-1,4-Dichloro-2-butene
Concen: 102.199 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.110 min
Lab File: VY015343.D
Acq: 25 Aug 2023 15:28

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 1091
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#95
Naphthalene
Concen: 7.485 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY015343.D
Acq: 25 Aug 2023 15:28

Tgt Ion: 128 Resp: 671
Ion Ratio Lower Upper
128 100
127 3.1 10.8 16.2#
129 0.0 8.6 13.0#

