

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101623\
 Data File : VY015991.D
 Acq On : 16 Oct 2023 17:50
 Operator : SY/MD
 Sample : 04907-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 17 05:46:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y101223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 13 13:13:02 2023
 Response via : Initial Calibration

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

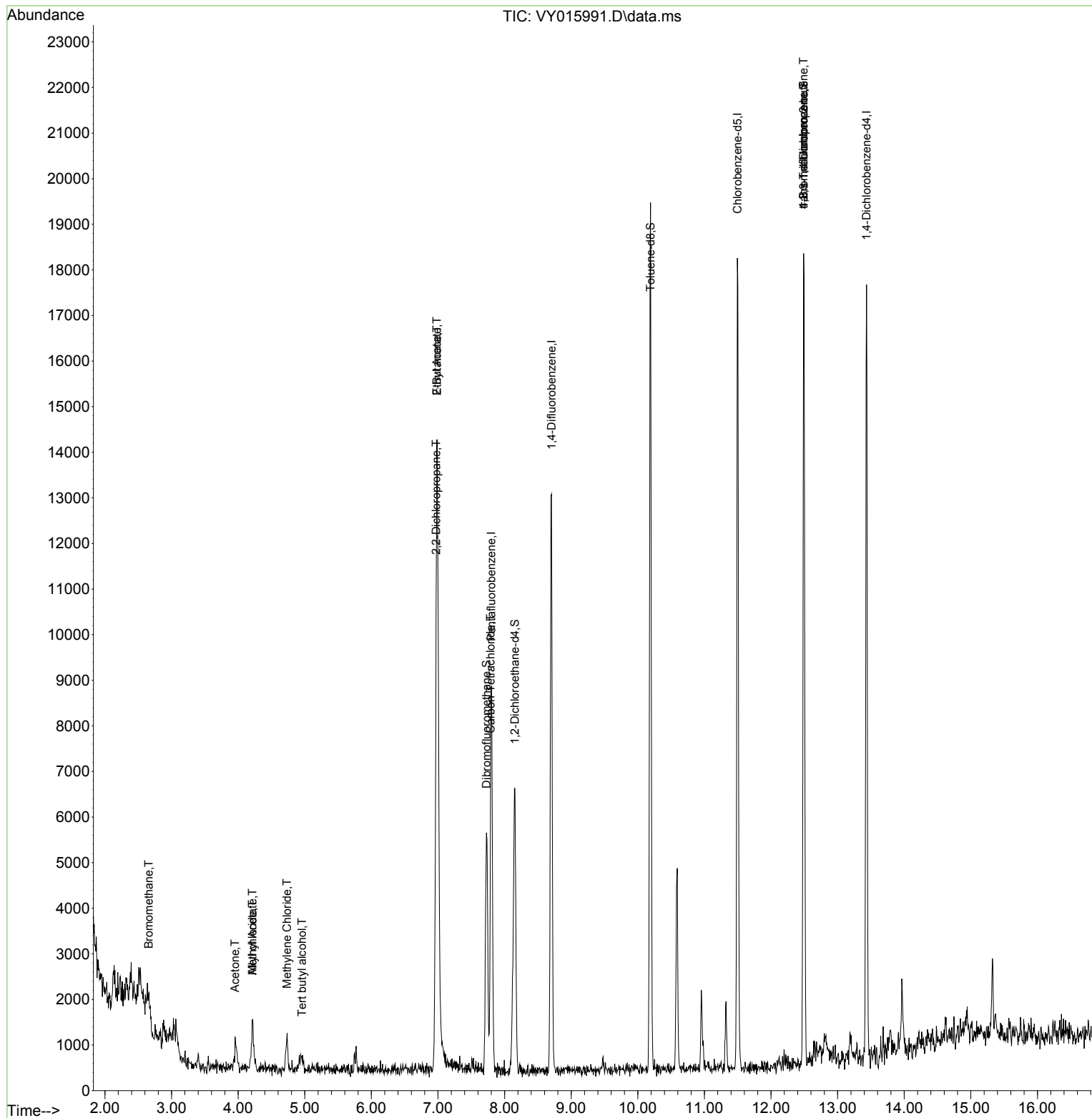
Internal Standards						
1) Pentafluorobenzene	7.801	168	6958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.703	114	11495	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	10484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	4630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	4645	58.494	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.980%
35) Dibromofluoromethane	7.728	113	3995	55.204	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.400%
50) Toluene-d8	10.191	98	13041	48.120	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.240%
62) 4-Bromofluorobenzene	12.489	95	4285	44.403	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.800%
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	282	Below Cal		96
5) Bromomethane	2.656	94	44	1.044	ug/l #	2
11) Tert butyl alcohol	4.960	59	313	6.794	ug/l #	89
14) Allyl chloride	4.216	41	116	1.061	ug/l #	73
16) Acetone	3.954	43	1058	22.936	ug/l #	82
18) Methyl Acetate	4.216	43	236	1.475	ug/l #	54
20) Methylene Chloride	4.734	84	518	1.885	ug/l #	65
25) 2-Butanone	6.984	43	425	6.330	ug/l #	49
26) 2,2-Dichloropropane	6.972	77	1024	9.128	ug/l #	54
37) Ethyl Acetate	6.984	43	425	2.523	ug/l #	1
38) Carbon Tetrachloride	7.789	117	706	6.139	ug/l #	12
76) 1,2,3-Trichloropropane	12.489	75	2193	24.203	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	2193	57.014	ug/l #	10

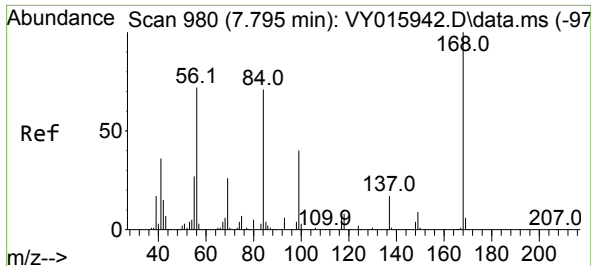
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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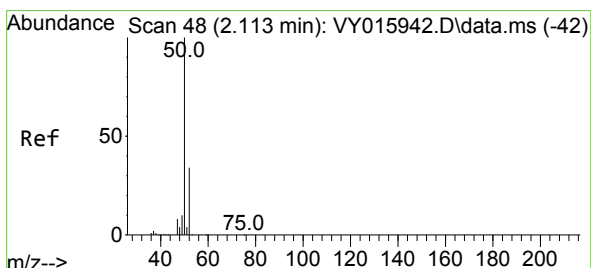
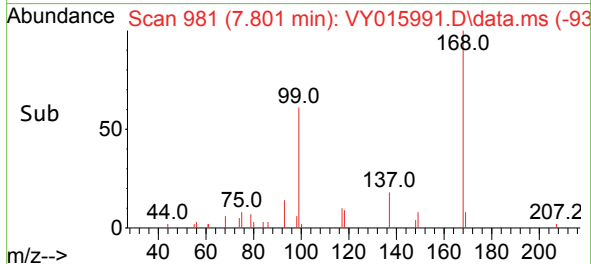
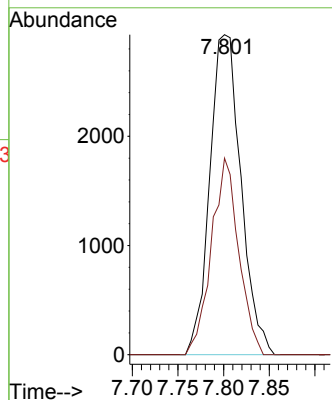
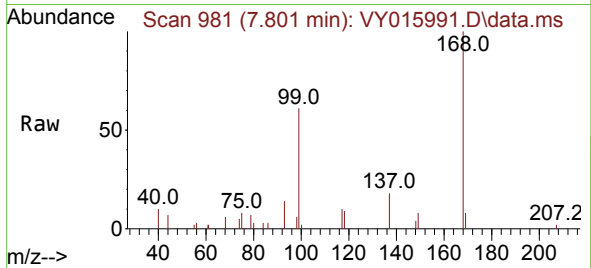




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015991.D
Acq: 16 Oct 2023 17:50

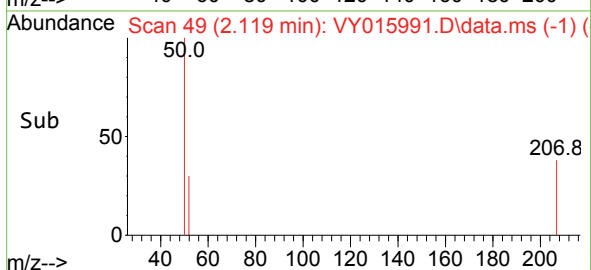
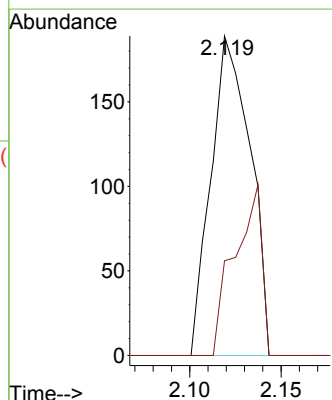
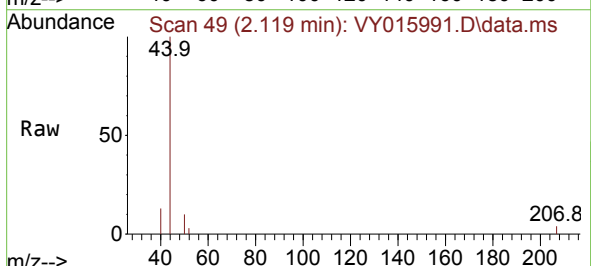
Instrument :
MSVOA_Y
ClientSampleId :

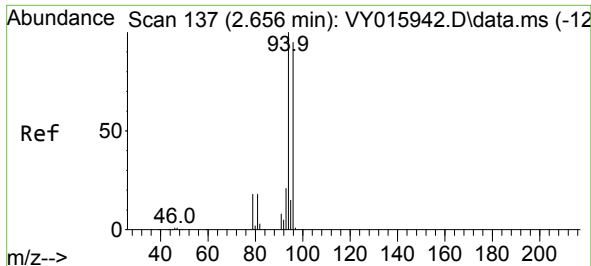
Tgt Ion:168 Resp: 6958
Ion Ratio Lower Upper
168 100
99 61.4 43.4 65.0



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY015991.D
Acq: 16 Oct 2023 17:50

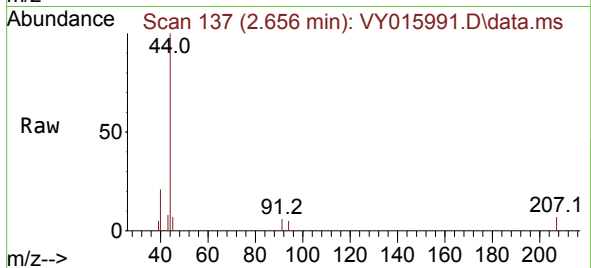
Tgt Ion: 50 Resp: 282
Ion Ratio Lower Upper
50 100
52 29.6 25.4 38.2



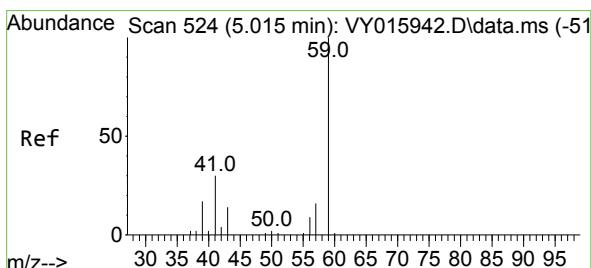
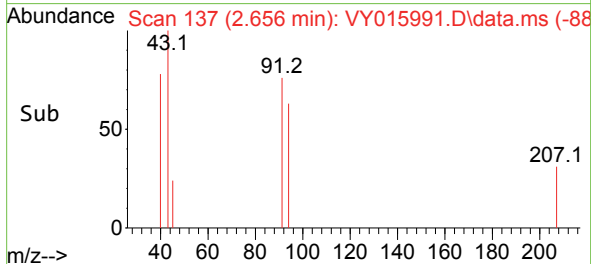
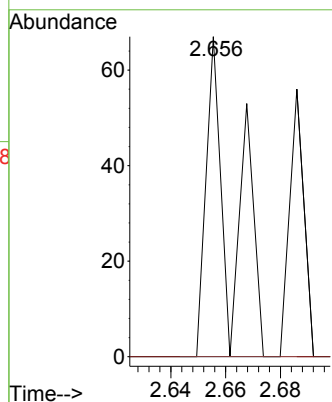


#5
Bromomethane
Concen: 1.044 ug/l
RT: 2.656 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY015991.D
Acq: 16 Oct 2023 17:50

Instrument :
MSVOA_Y
ClientSampleId :

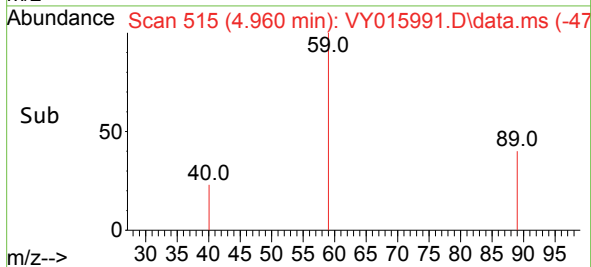
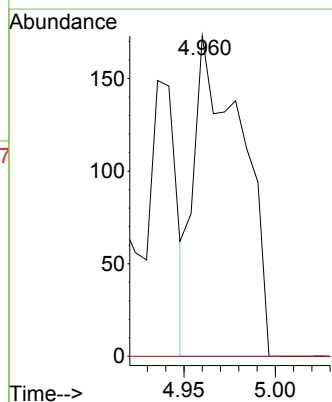
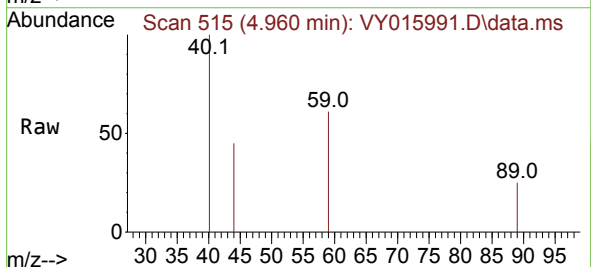


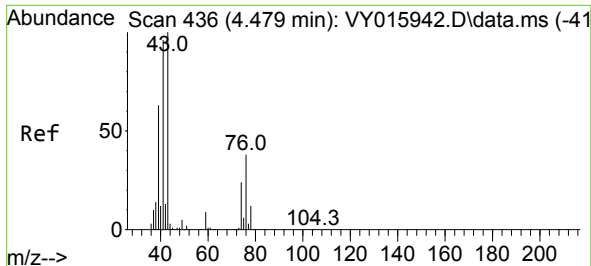
Tgt Ion: 94 Resp: 44
Ion Ratio Lower Upper
94 100
96 0.0 75.8 113.6#



#11
Tert butyl alcohol
Concen: 6.794 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.055 min
Lab File: VY015991.D
Acq: 16 Oct 2023 17:50

Tgt Ion: 59 Resp: 313
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#





#14

Allyl chloride

Concen: 1.061 ug/l

RT: 4.216 min Scan# 393

Delta R.T. -0.262 min

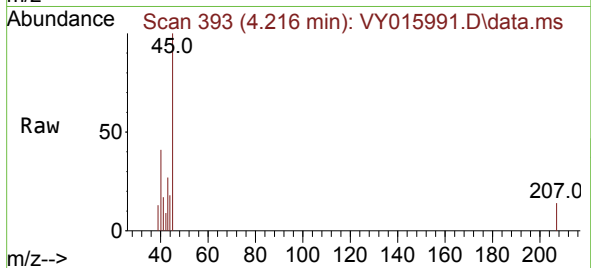
Lab File: VY015991.D

Acq: 16 Oct 2023 17:50

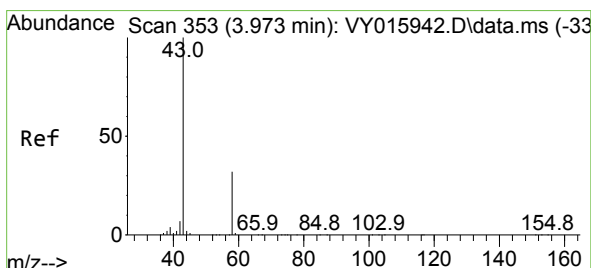
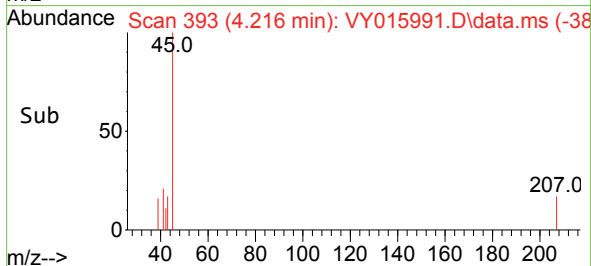
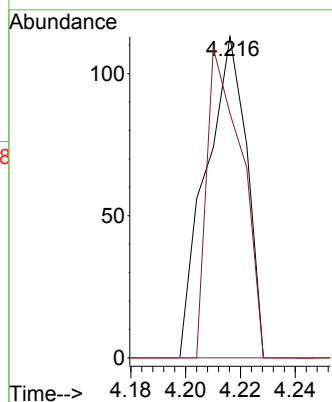
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	41	Resp:	116
Ion	Ratio	Lower	Upper
41	100		
39	82.8	58.0	87.0
76	0.0	27.4	41.2#



#16

Acetone

Concen: 22.936 ug/l

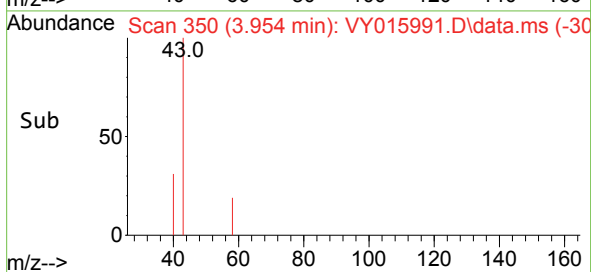
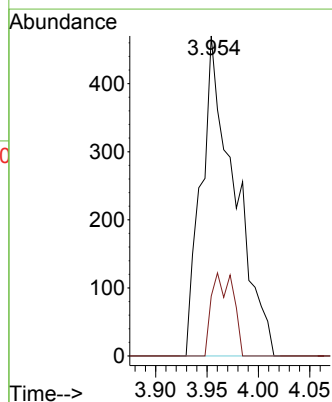
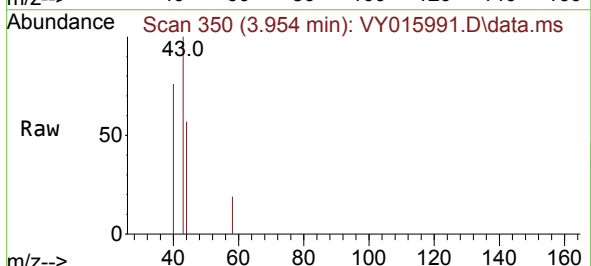
RT: 3.954 min Scan# 350

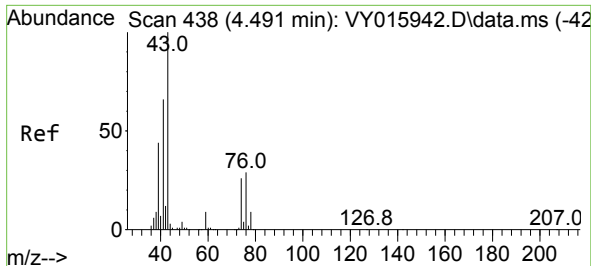
Delta R.T. -0.018 min

Lab File: VY015991.D

Acq: 16 Oct 2023 17:50

Tgt Ion:	43	Resp:	1058
Ion	Ratio	Lower	Upper
43	100		
58	18.7	22.7	34.1#

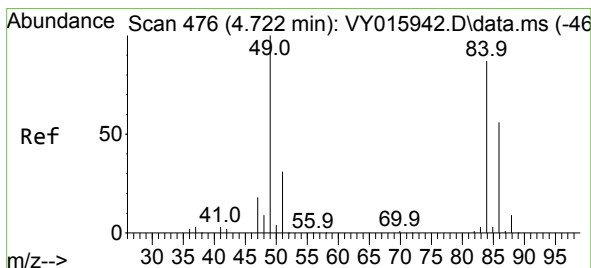
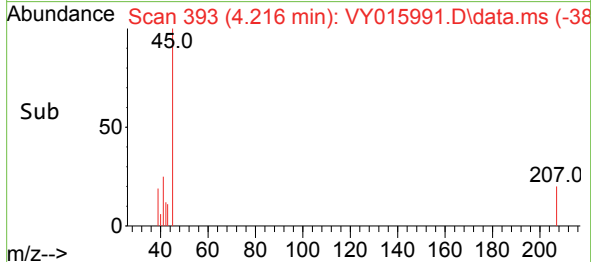
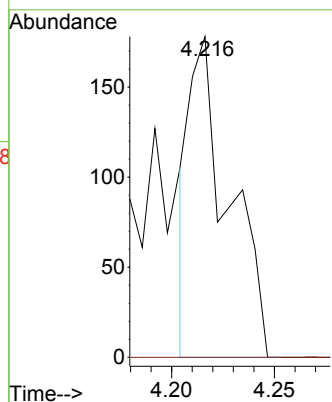
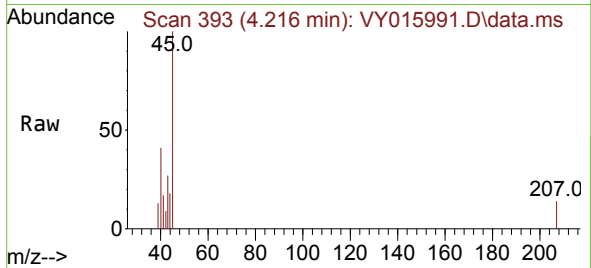




#18
Methyl Acetate
Concen: 1.475 ug/l
RT: 4.216 min Scan# 393
Delta R.T. -0.275 min
Lab File: VY015991.D
Acq: 16 Oct 2023 17:50

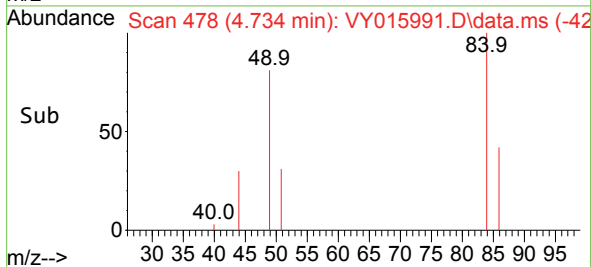
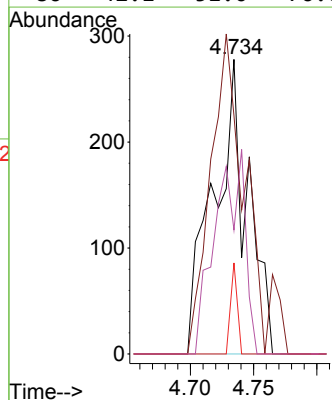
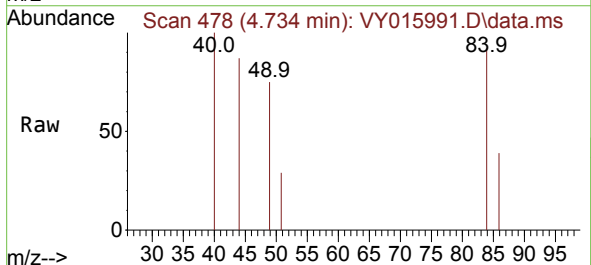
Instrument :
MSVOA_Y
ClientSampleId :

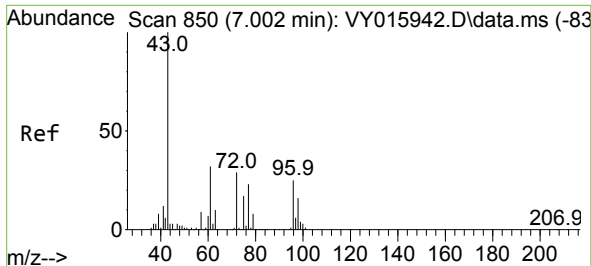
Tgt Ion: 43 Resp: 236
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



#20
Methylene Chloride
Concen: 1.885 ug/l
RT: 4.734 min Scan# 478
Delta R.T. 0.012 min
Lab File: VY015991.D
Acq: 16 Oct 2023 17:50

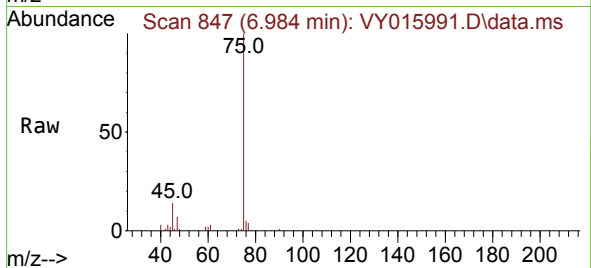
Tgt Ion: 84 Resp: 518
Ion Ratio Lower Upper
84 100
49 80.9 106.9 160.3#
51 30.9 33.2 49.8#
86 42.1 51.0 76.6#



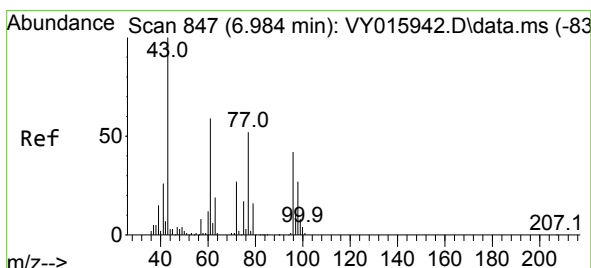
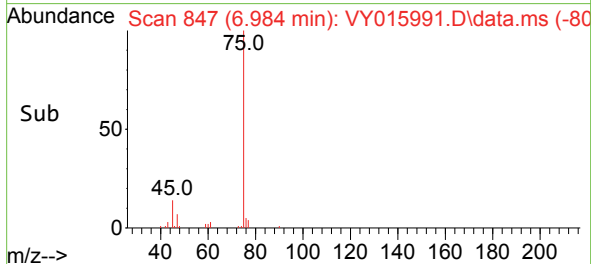
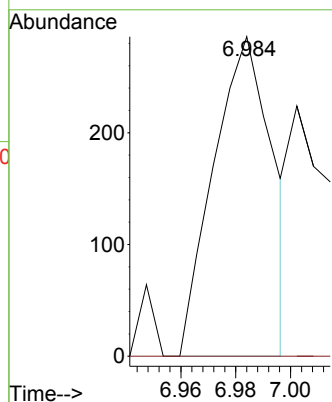


#25
2-Butanone
Concen: 6.330 ug/l
RT: 6.984 min Scan# 845
Delta R.T. -0.018 min
Lab File: VY015991.D
Acq: 16 Oct 2023 17:50

Instrument :
MSVOA_Y
ClientSampleId :

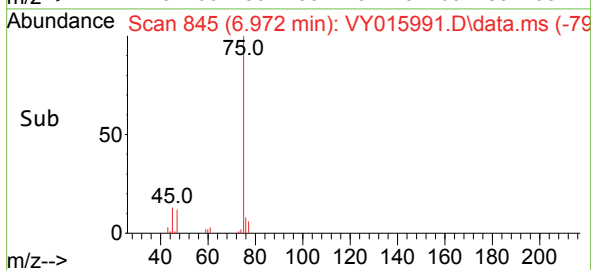
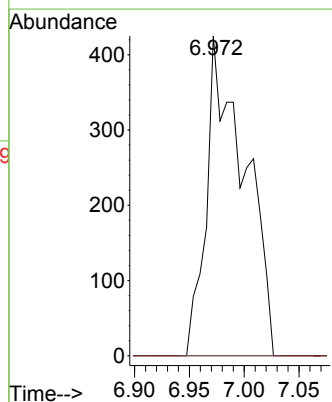
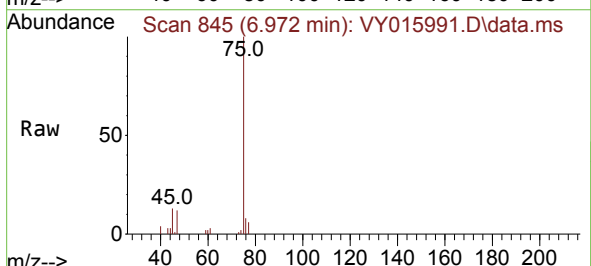


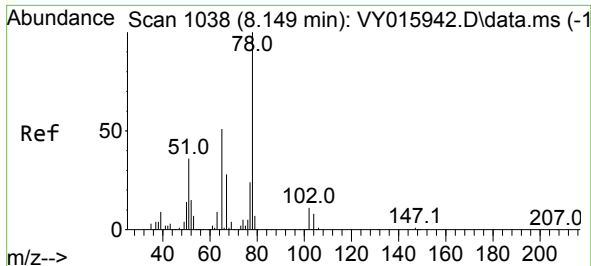
Tgt Ion: 43 Resp: 425
Ion Ratio Lower Upper
43 100
72 0.0 20.5 30.7#



#26
2,2-Dichloropropane
Concen: 9.128 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY015991.D
Acq: 16 Oct 2023 17:50

Tgt Ion: 77 Resp: 1024
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#33

1,2-Dichloroethane-d4

Concen: 58.494 ug/l

RT: 8.155 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VY015991.D

Acq: 16 Oct 2023 17:50

Instrument :

MSVOA_Y

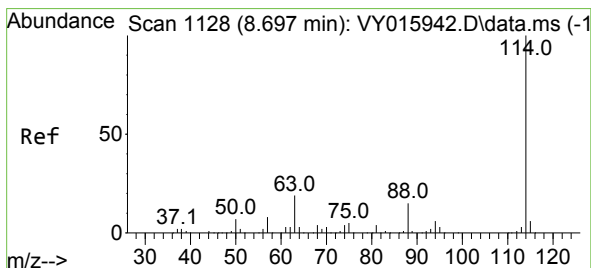
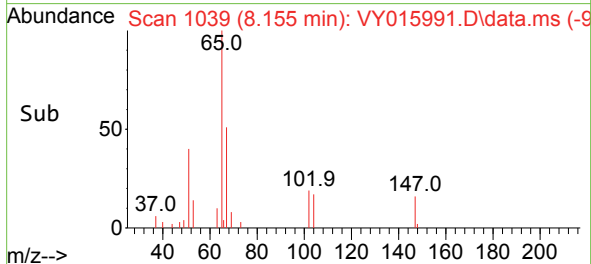
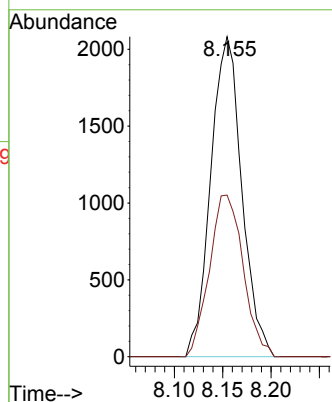
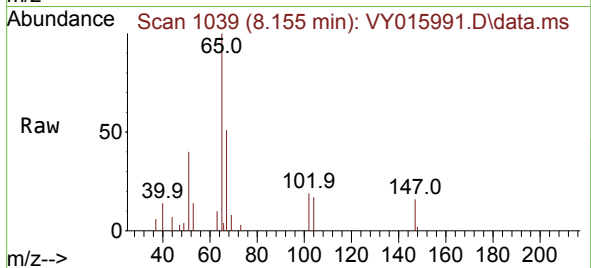
ClientSampleId :

Tgt Ion: 65 Resp: 4645

Ion Ratio Lower Upper

65 100

67 54.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.703 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY015991.D

Acq: 16 Oct 2023 17:50

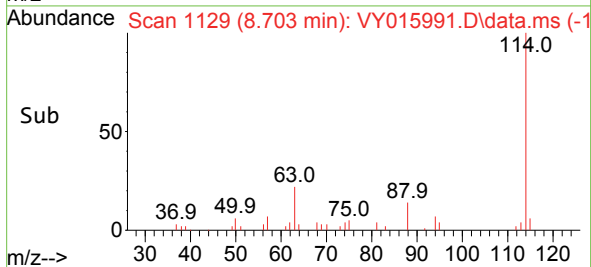
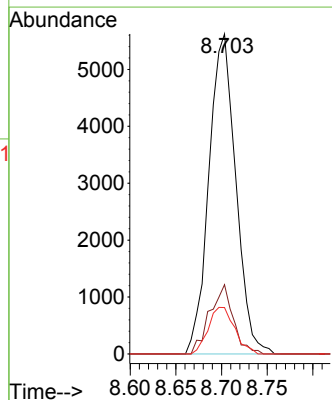
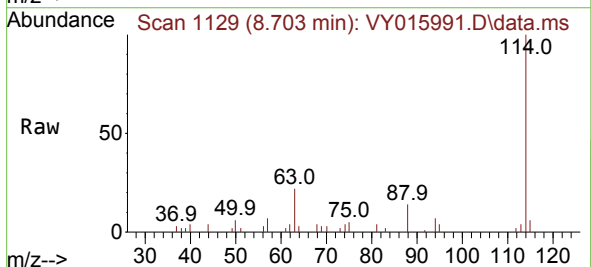
Tgt Ion: 114 Resp: 11495

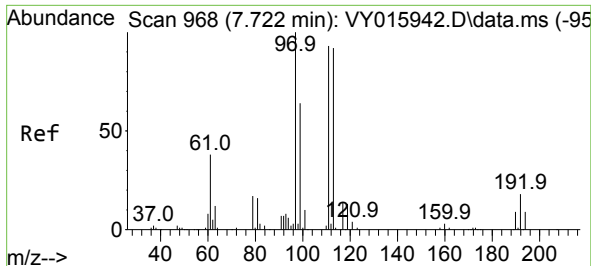
Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.4

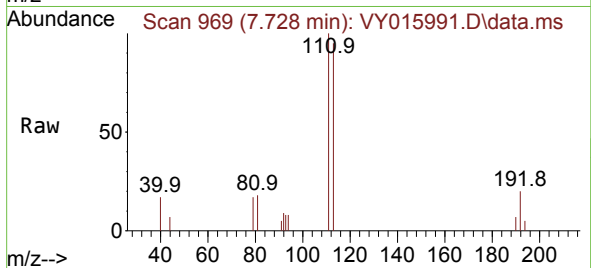
88 14.5 0.0 30.6



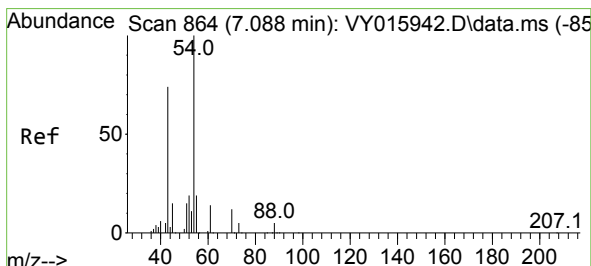
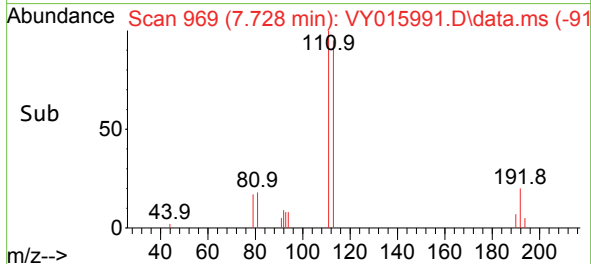
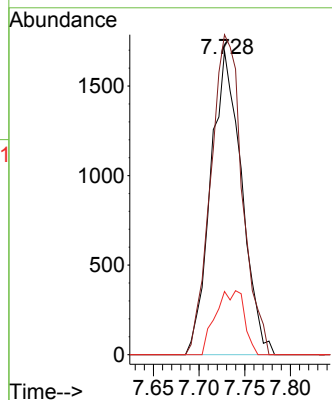


#35
Dibromofluoromethane
Concen: 55.204 ug/l
RT: 7.728 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015991.D
Acq: 16 Oct 2023 17:50

Instrument :
MSVOA_Y
ClientSampleId :

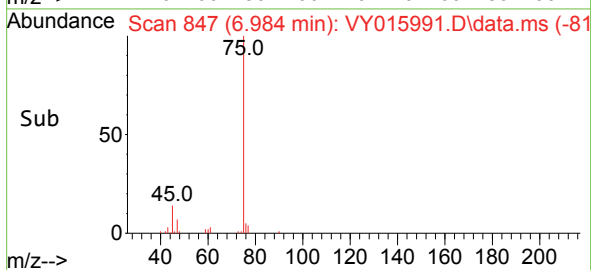
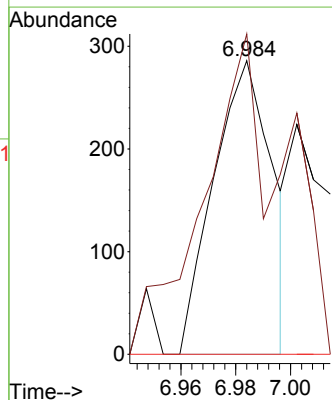
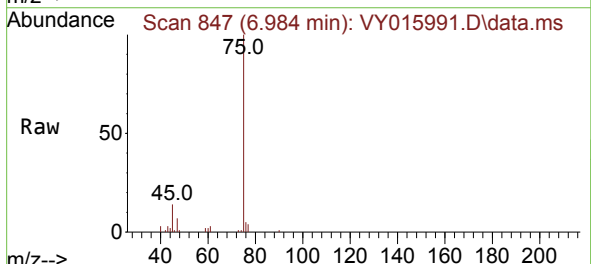


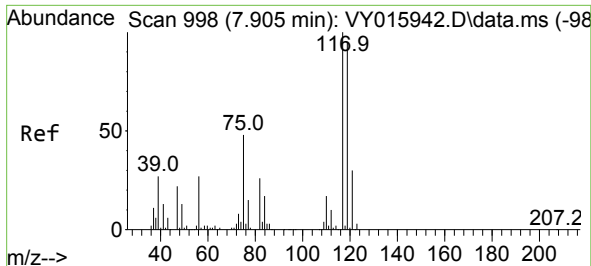
Tgt Ion:113 Resp: 3995
Ion Ratio Lower Upper
113 100
111 107.2 81.3 121.9
192 19.6 16.9 25.3



#37
Ethyl Acetate
Concen: 2.523 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.104 min
Lab File: VY015991.D
Acq: 16 Oct 2023 17:50

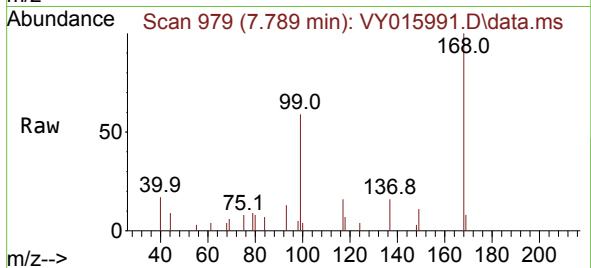
Tgt Ion: 43 Resp: 425
Ion Ratio Lower Upper
43 100
61 151.1 10.1 15.1#
70 0.0 7.1 10.7#



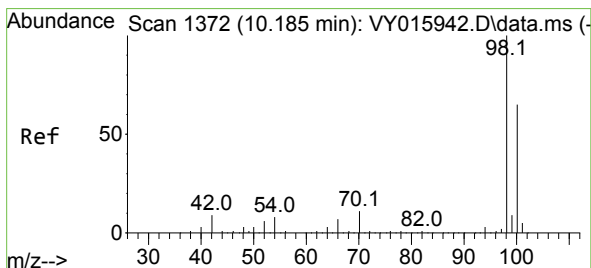
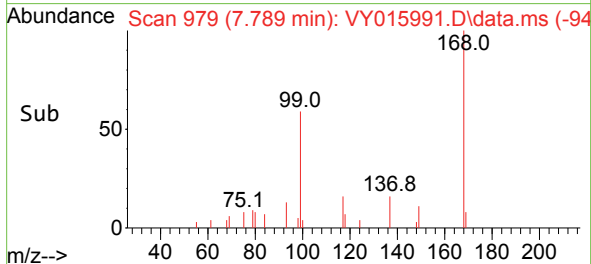
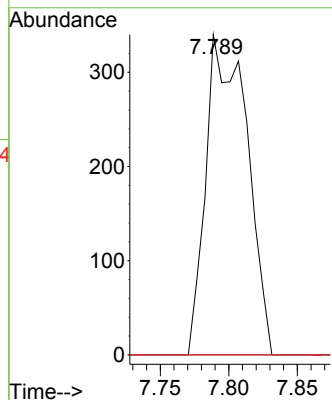


#38
Carbon Tetrachloride
Concen: 6.139 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY015991.D
Acq: 16 Oct 2023 17:50

Instrument :
MSVOA_Y
ClientSampleId :

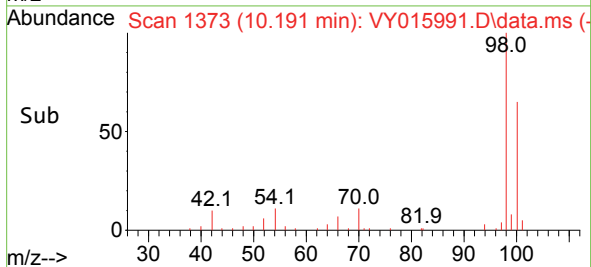
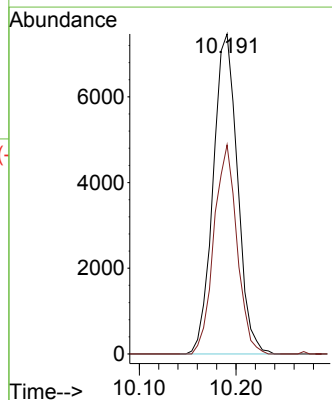
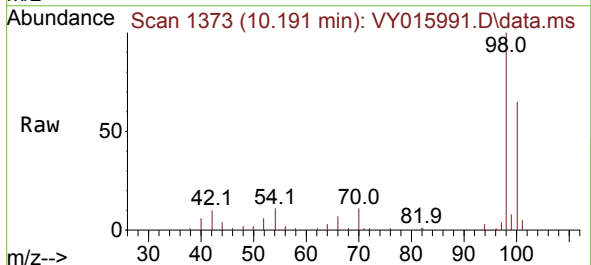


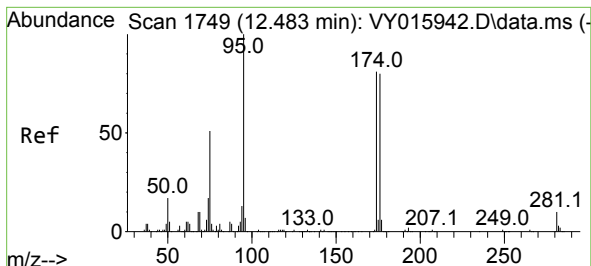
Tgt Ion:117 Resp: 706
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 48.120 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY015991.D
Acq: 16 Oct 2023 17:50

Tgt Ion: 98 Resp: 13041
Ion Ratio Lower Upper
98 100
100 61.8 50.1 75.1

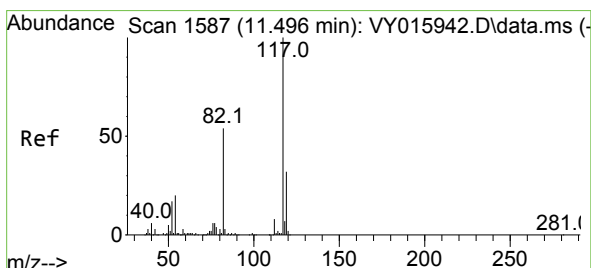
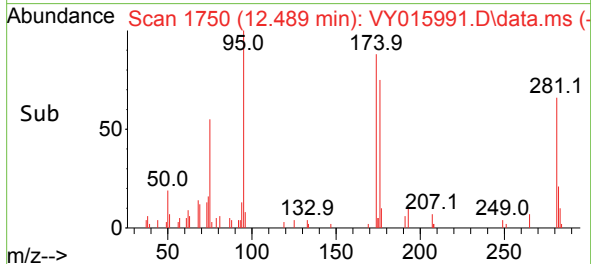
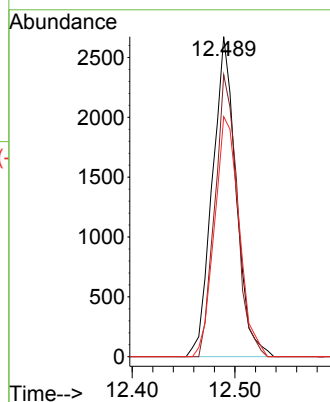
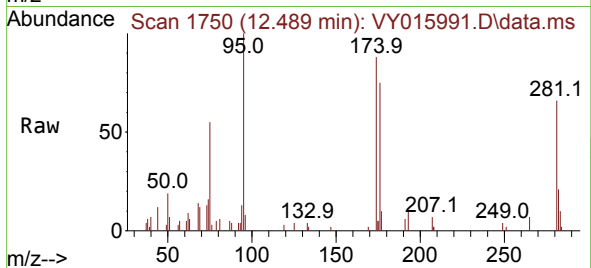




#62
4-Bromofluorobenzene
Concen: 44.403 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY015991.D
Acq: 16 Oct 2023 17:50

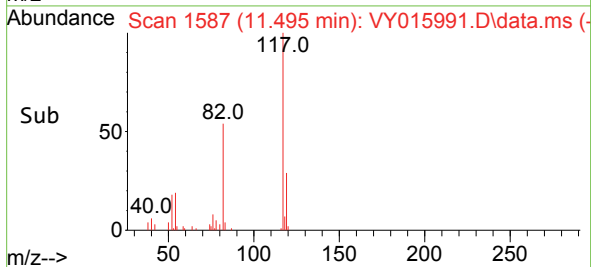
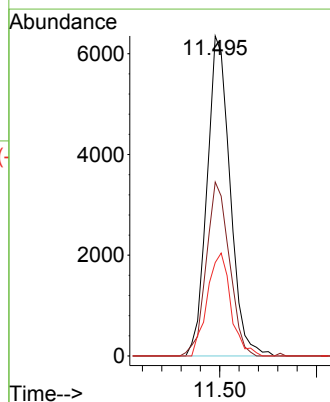
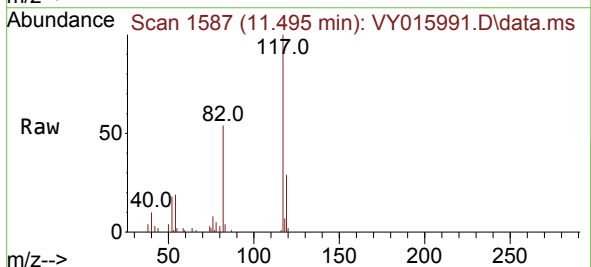
Instrument :
MSVOA_Y
ClientSampleId :

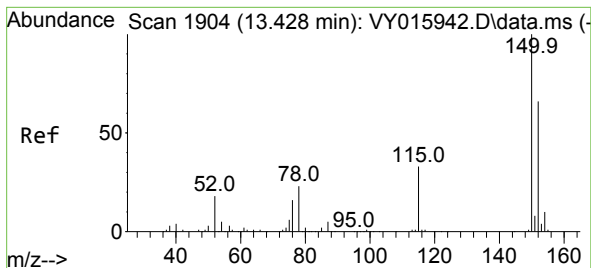
Tgt Ion: 95 Resp: 4285
Ion Ratio Lower Upper
95 100
174 82.7 0.0 178.2
176 78.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY015991.D
Acq: 16 Oct 2023 17:50

Tgt Ion: 117 Resp: 10484
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 29.2 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015991.D

Acq: 16 Oct 2023 17:50

Instrument :

MSVOA_Y

ClientSampleId :

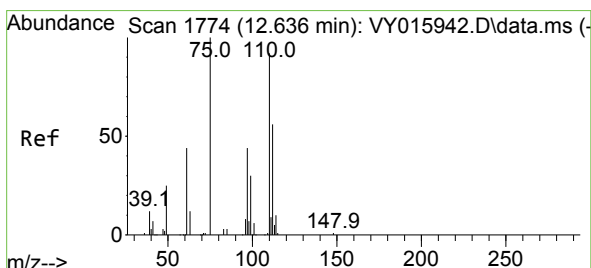
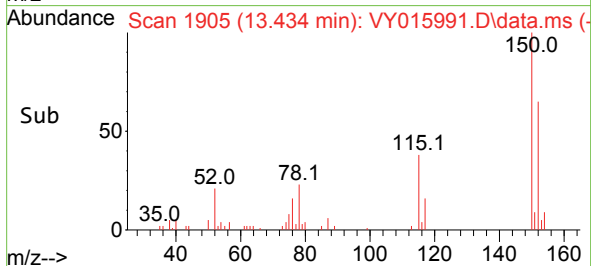
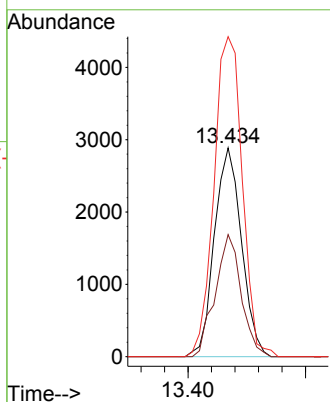
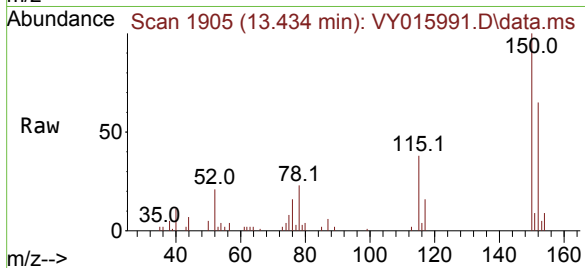
Tgt Ion:152 Resp: 4630

Ion Ratio Lower Upper

152 100

115 56.0 28.8 86.5

150 159.6 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 24.203 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY015991.D

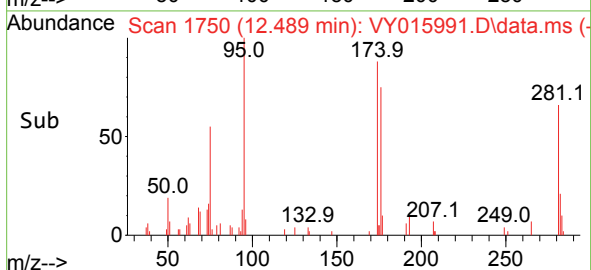
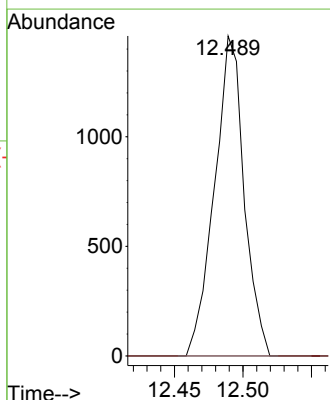
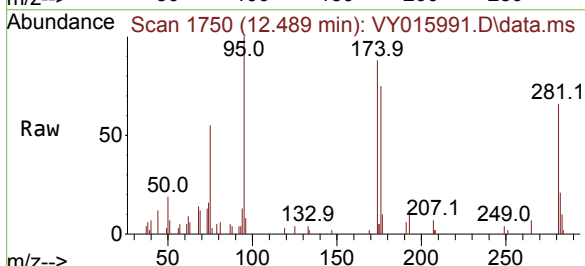
Acq: 16 Oct 2023 17:50

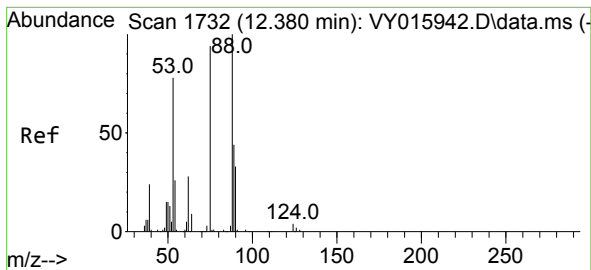
Tgt Ion: 75 Resp: 2193

Ion Ratio Lower Upper

75 100

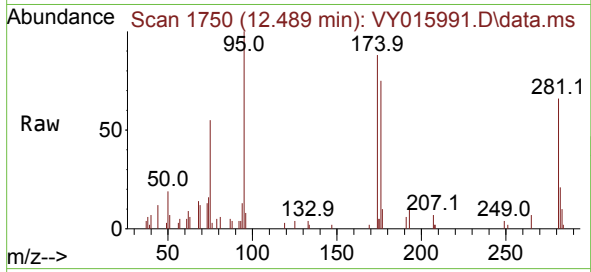
77 0.0 0.0 0.0





#81
trans-1,4-Dichloro-2-butene
Concen: 57.014 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY015991.D
Acq: 16 Oct 2023 17:50

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 2193
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

