

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092923\
 Data File : VY015763.D
 Acq On : 29 Sep 2023 19:02
 Operator : SY/MD
 Sample : 04657-04
 Misc : 5.60g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 30 01:16:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	120209	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.697	114	210594	50.000	ug/l	0.01
63) Chlorobenzene-d5	11.496	117	193422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	80412	50.000	ug/l	0.01

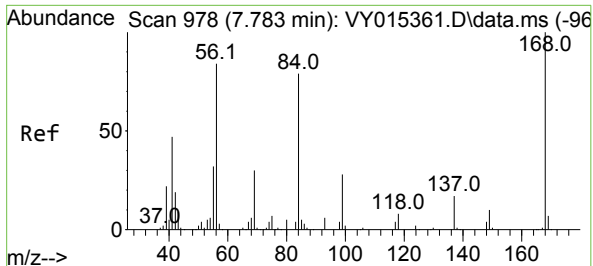
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	84566	63.938	ug/l	0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	127.880%
35) Dibromofluoromethane	7.728	113	69906	55.460	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.920%
50) Toluene-d8	10.185	98	251292	58.798	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	117.600%
62) 4-Bromofluorobenzene	12.489	95	78447	46.773	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.540%

Target Compounds					Qvalue	
5) Bromomethane	2.668	94	269	2.782	ug/l #	80
10) Methyl Iodide	4.107	142	112	2.804	ug/l #	38
11) Tert butyl alcohol	4.966	59	56	Below Cal	#	89
16) Acetone	3.973	43	760	1.074	ug/l	96
20) Methylene Chloride	4.735	84	10813	2.364	ug/l	92
31) Cyclohexane	7.801	56	2623	1.432	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	8840	4.743	ug/l #	50
38) Carbon Tetrachloride	7.801	117	12512	6.185	ug/l #	17
76) 1,2,3-Trichloropropane	12.489	75	42321	32.990	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	42321	74.290	ug/l #	11

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

Quant Time: Sep 30 01:16:45 2023
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Response via : Initial Calibration

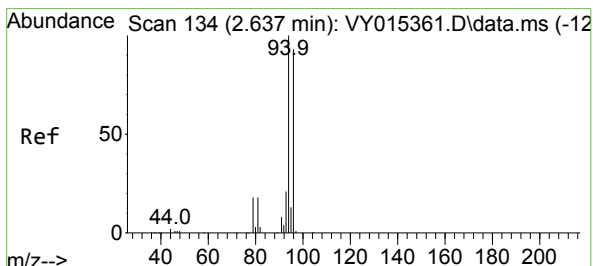
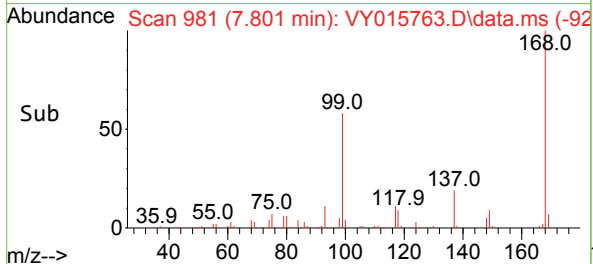
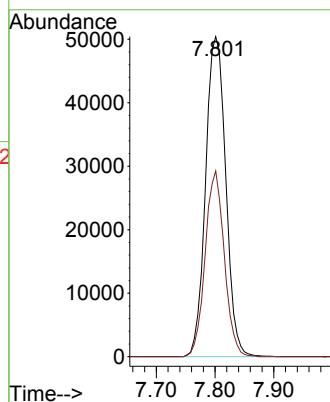
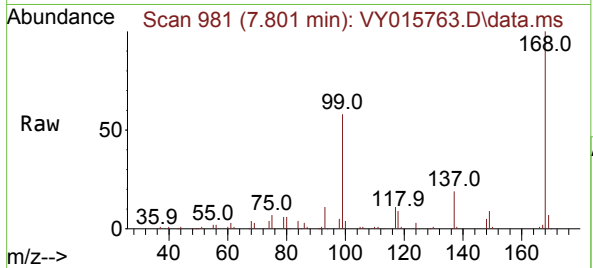




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.018 min
Lab File: VY015763.D
Acq: 29 Sep 2023 19:02

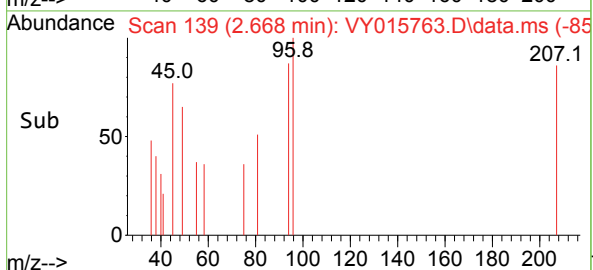
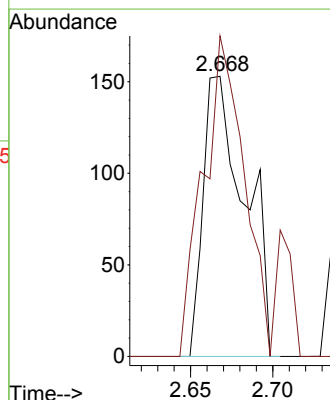
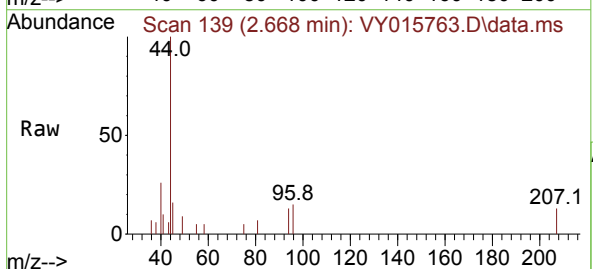
Instrument :
MSVOA_Y
ClientSampleId :

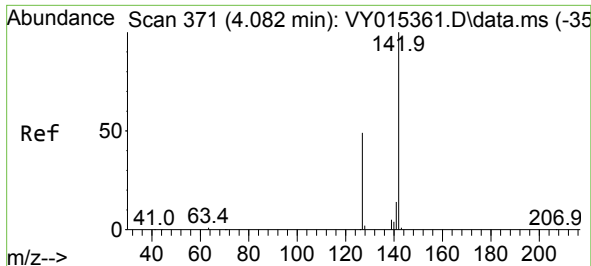
Tgt Ion:168 Resp: 120209
Ion Ratio Lower Upper
168 100
99 58.0 43.4 65.0



#5
Bromomethane
Concen: 2.782 ug/l
RT: 2.668 min Scan# 139
Delta R.T. 0.031 min
Lab File: VY015763.D
Acq: 29 Sep 2023 19:02

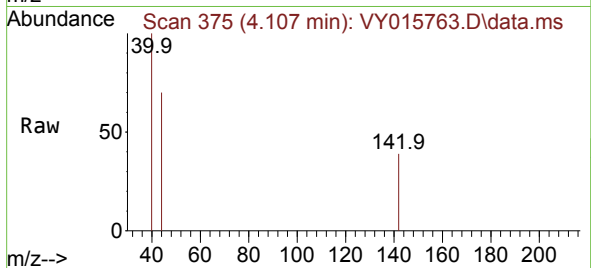
Tgt Ion: 94 Resp: 269
Ion Ratio Lower Upper
94 100
96 114.4 75.8 113.6#



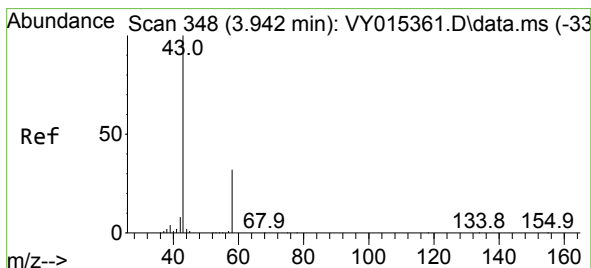
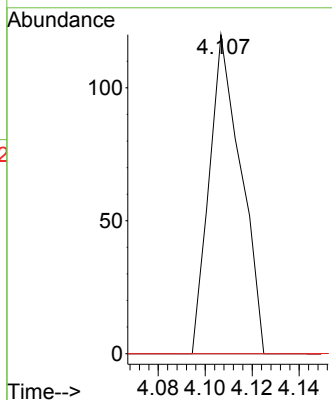


#10
Methyl Iodide
Concen: 2.804 ug/l
RT: 4.107 min Scan# 31
Delta R.T. 0.025 min
Lab File: VY015763.D
Acq: 29 Sep 2023 19:02

Instrument :
MSVOA_Y
ClientSampleId :

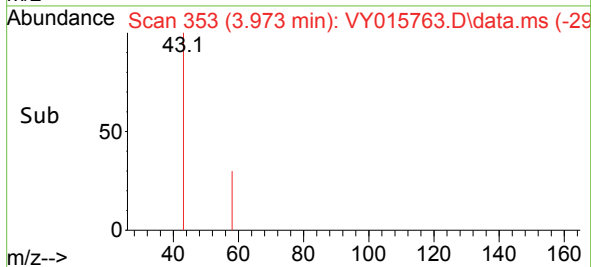
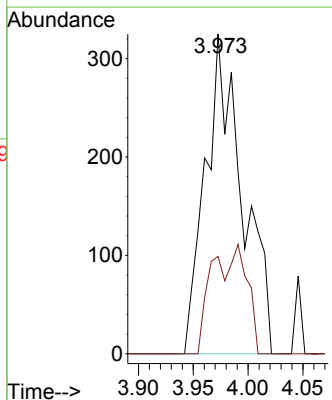
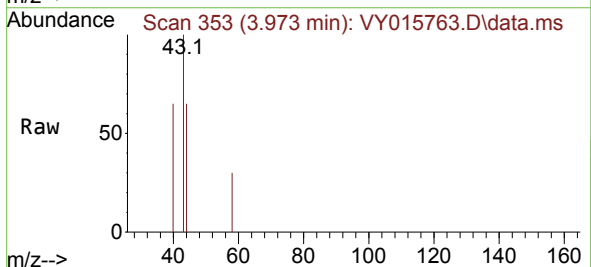


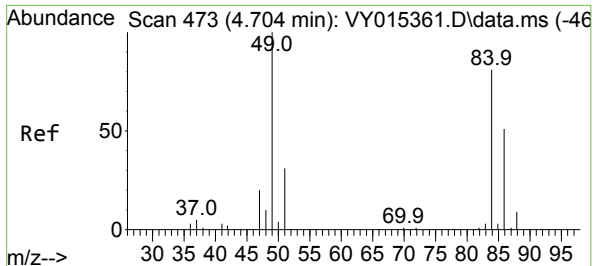
Tgt Ion:142 Resp: 112
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#



#16
Acetone
Concen: 1.074 ug/l
RT: 3.973 min Scan# 353
Delta R.T. 0.031 min
Lab File: VY015763.D
Acq: 29 Sep 2023 19:02

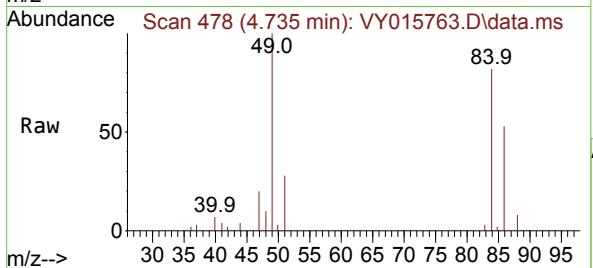
Tgt Ion: 43 Resp: 760
Ion Ratio Lower Upper
43 100
58 30.5 22.7 34.1



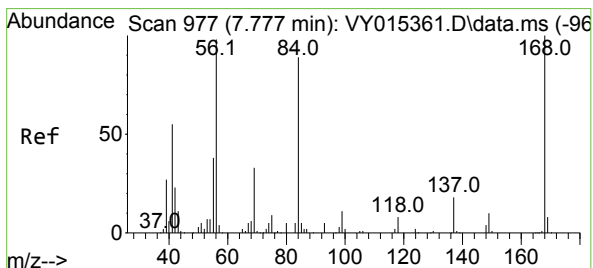
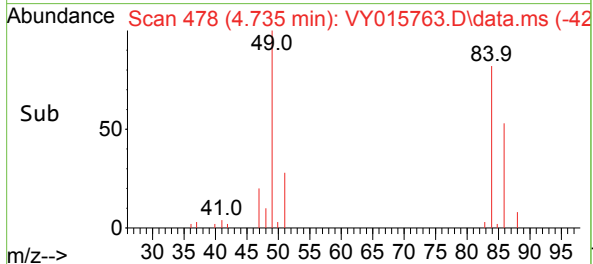
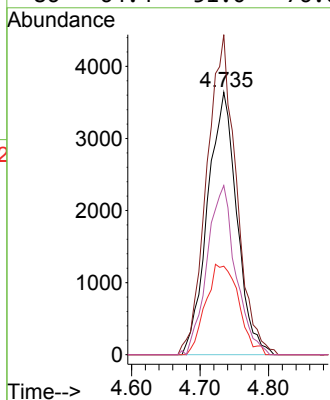


#20
Methylene Chloride
Concen: 2.364 ug/l
RT: 4.735 min Scan# 41
Delta R.T. 0.031 min
Lab File: VY015763.D
Acq: 29 Sep 2023 19:02

Instrument :
MSVOA_Y
ClientSampleId :

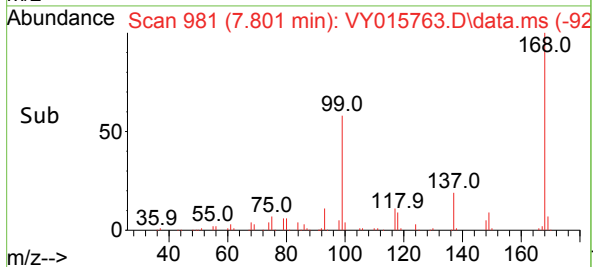
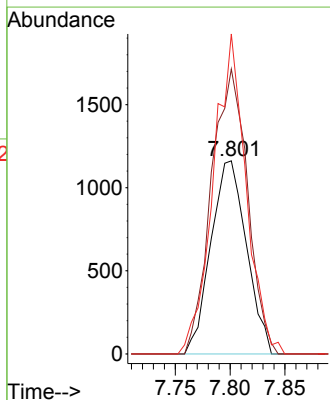
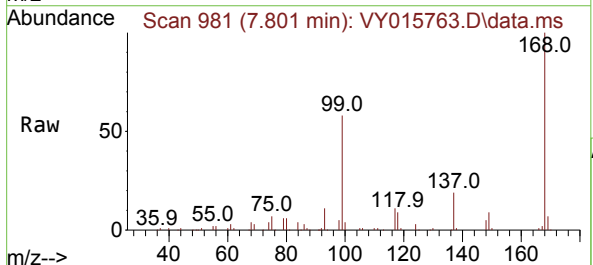


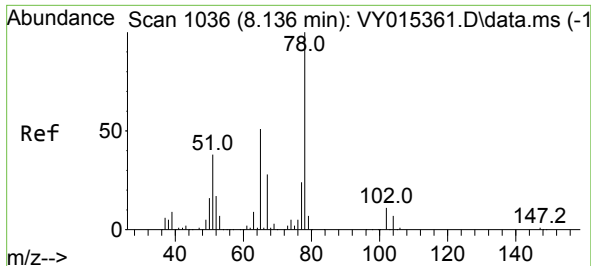
Tgt Ion: 84	Resp: 10813
Ion Ratio	Lower Upper
84 100	
49 121.9	106.9 160.3
51 33.7	33.2 49.8
86 64.4	51.0 76.6



#31
Cyclohexane
Concen: 1.432 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.018 min
Lab File: VY015763.D
Acq: 29 Sep 2023 19:02

Tgt Ion: 56	Resp: 2623
Ion Ratio	Lower Upper
56 100	
69 147.5	27.8 41.6#
84 165.7	66.4 99.6#

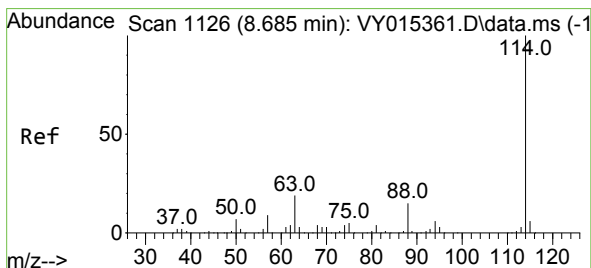
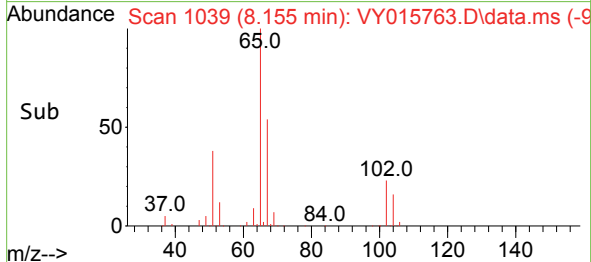
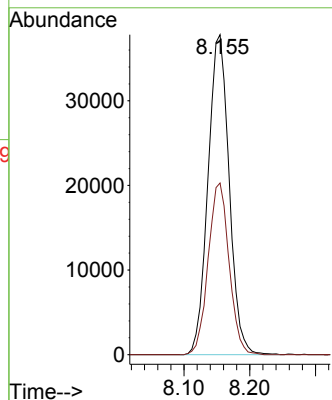
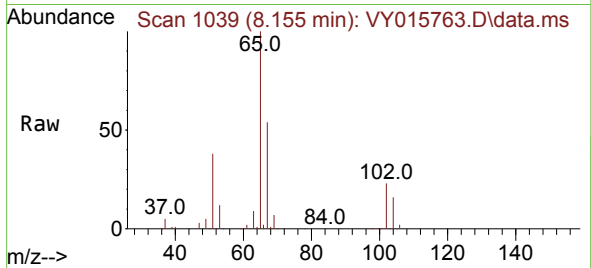




#33
1,2-Dichloroethane-d4
Concen: 63.938 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.019 min
Lab File: VY015763.D
Acq: 29 Sep 2023 19:02

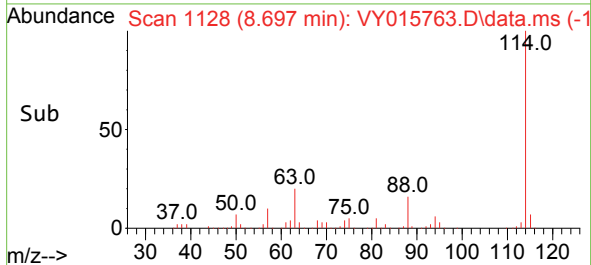
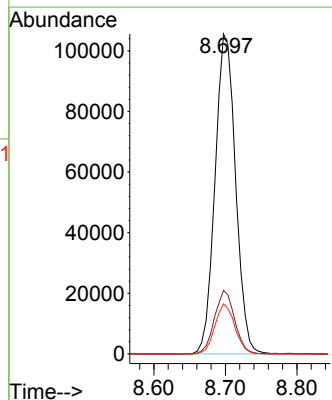
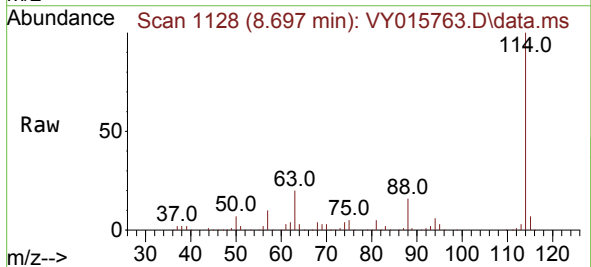
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 65 Resp: 84566
Ion Ratio Lower Upper
65 100
67 53.0 0.0 101.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.012 min
Lab File: VY015763.D
Acq: 29 Sep 2023 19:02

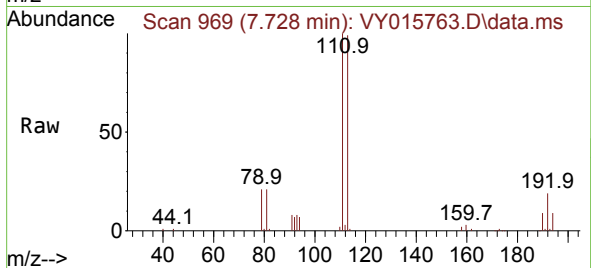
Tgt Ion:114 Resp: 210594
Ion Ratio Lower Upper
114 100
63 19.9 0.0 42.4
88 15.7 0.0 30.6



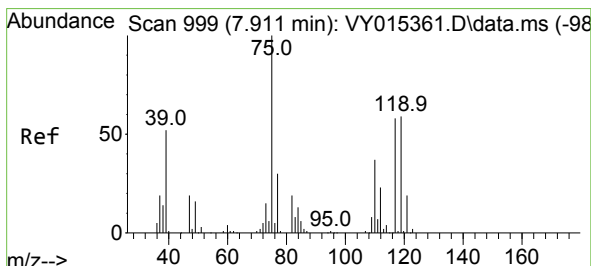
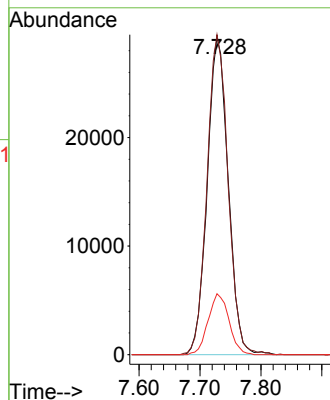
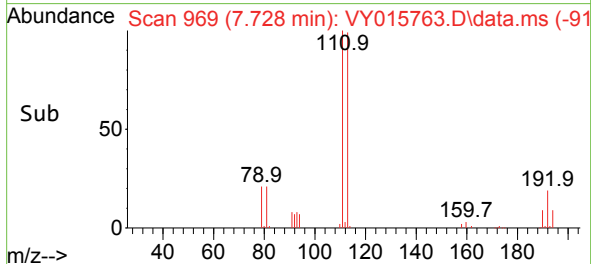


#35
Dibromofluoromethane
Concen: 55.460 ug/l
RT: 7.728 min Scan# 910
Delta R.T. 0.012 min
Lab File: VY015763.D
Acq: 29 Sep 2023 19:02

Instrument :
MSVOA_Y
ClientSampleId :

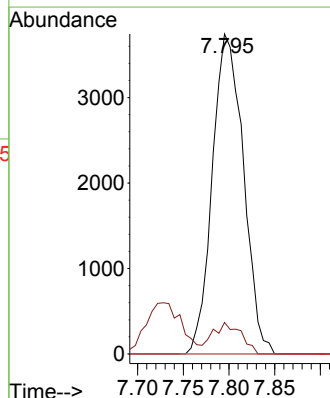
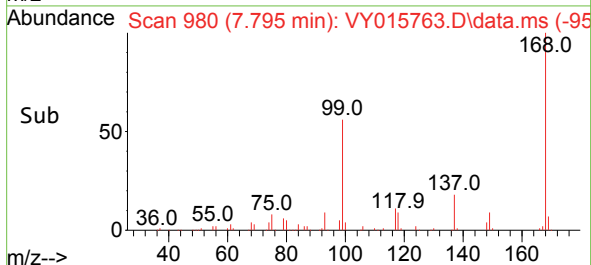
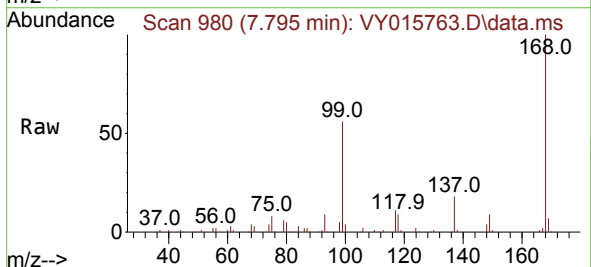


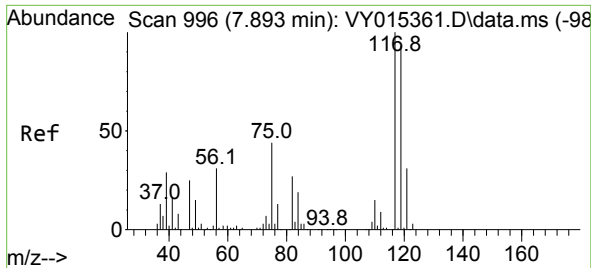
Tgt Ion:113 Resp: 69906
Ion Ratio Lower Upper
113 100
111 101.4 81.3 121.9
192 19.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.743 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY015763.D
Acq: 29 Sep 2023 19:02

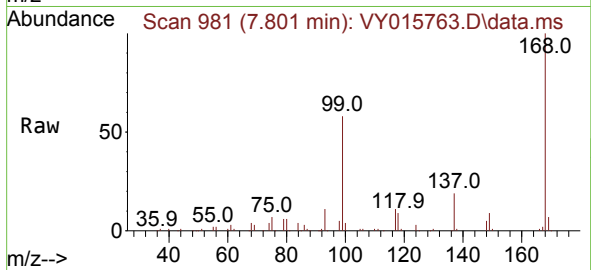
Tgt Ion: 75 Resp: 8840
Ion Ratio Lower Upper
75 100
110 8.8 17.8 53.5#
77 0.0 24.4 36.6#



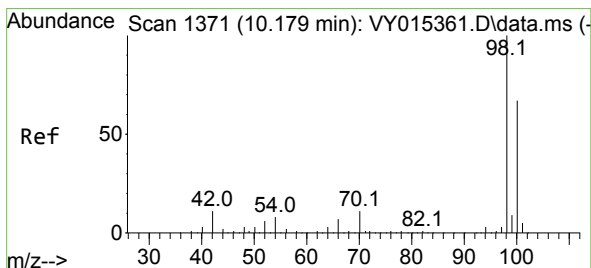
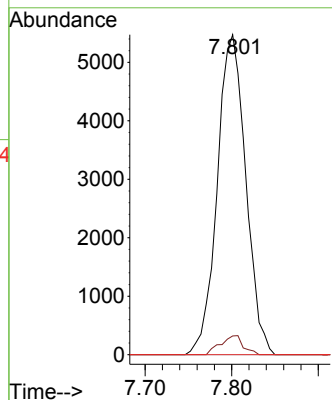
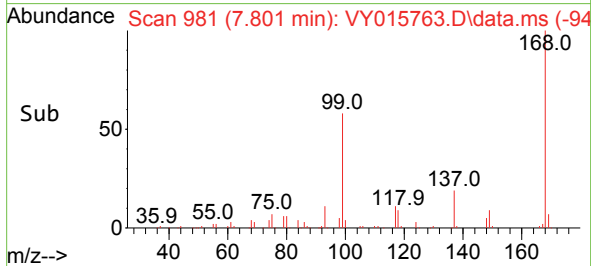


#38
Carbon Tetrachloride
Concen: 6.185 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.092 min
Lab File: VY015763.D
Acq: 29 Sep 2023 19:02

Instrument :
MSVOA_Y
ClientSampleId :

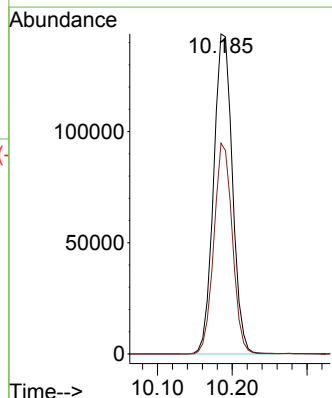
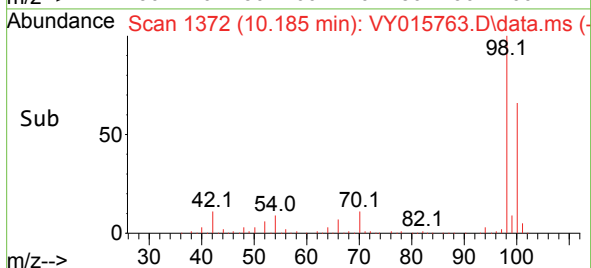
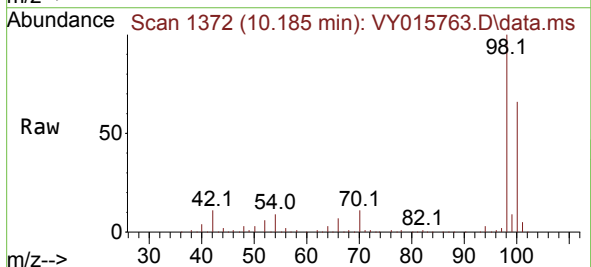


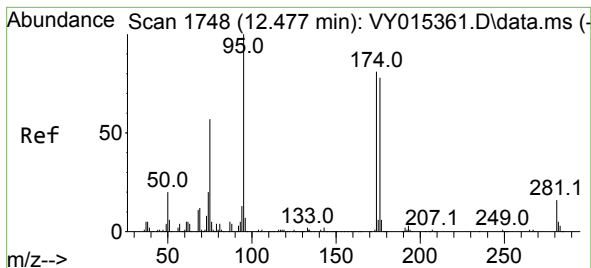
Tgt Ion:117 Resp: 12512
Ion Ratio Lower Upper
117 100
119 5.8 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 58.798 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY015763.D
Acq: 29 Sep 2023 19:02

Tgt Ion: 98 Resp: 251292
Ion Ratio Lower Upper
98 100
100 64.6 50.1 75.1

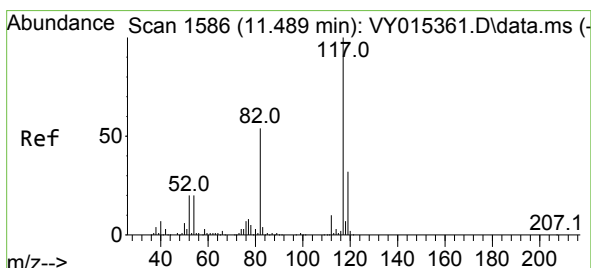
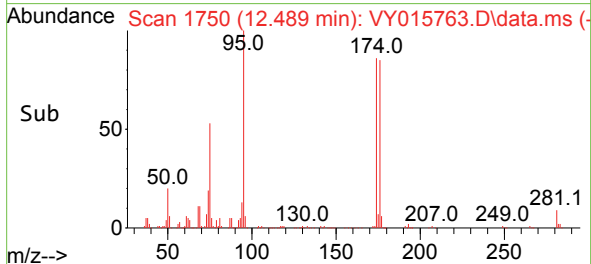
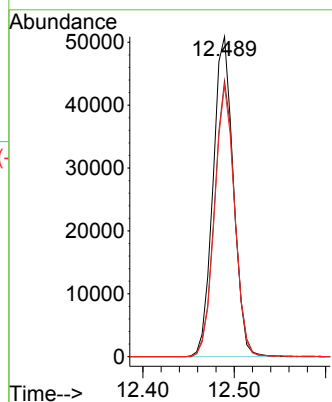
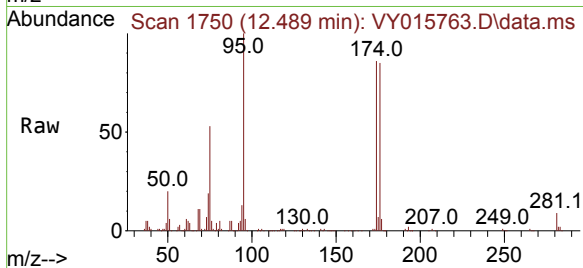




#62
4-Bromofluorobenzene
Concen: 46.773 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY015763.D
Acq: 29 Sep 2023 19:02

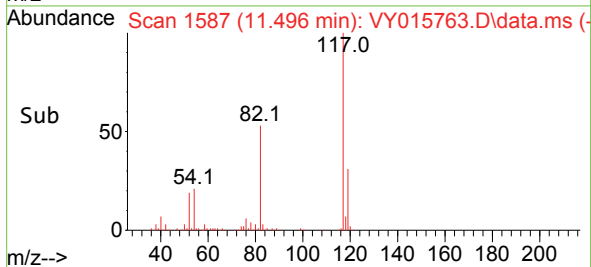
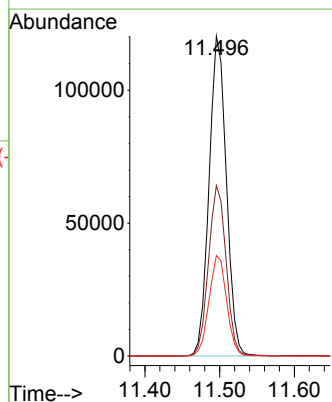
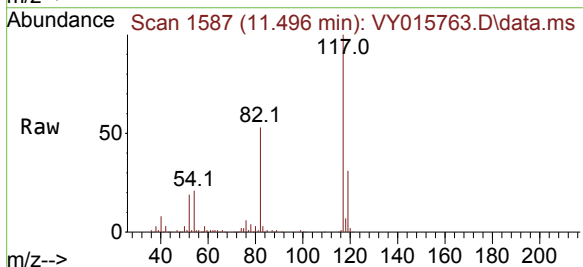
Instrument :
MSVOA_Y
ClientSampleId :

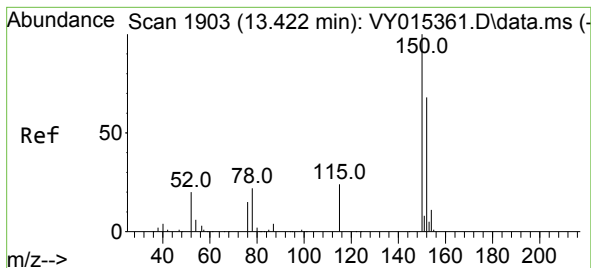
Tgt Ion: 95 Resp: 78447
Ion Ratio Lower Upper
95 100
174 85.7 0.0 178.2
176 83.2 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.007 min
Lab File: VY015763.D
Acq: 29 Sep 2023 19:02

Tgt Ion: 117 Resp: 193422
Ion Ratio Lower Upper
117 100
82 53.3 43.4 65.0
119 31.4 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1903

Delta R.T. 0.012 min

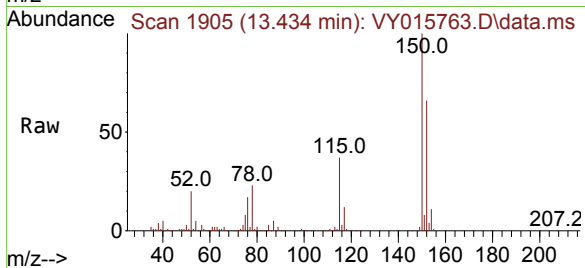
Lab File: VY015763.D

Acq: 29 Sep 2023 19:02

Instrument :

MSVOA_Y

ClientSampleId :



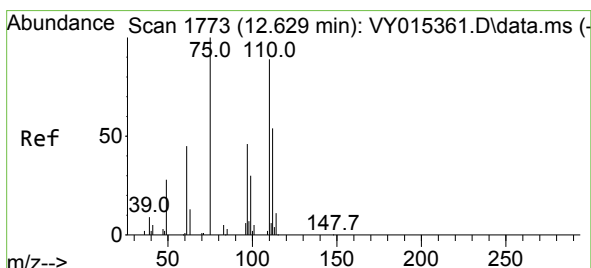
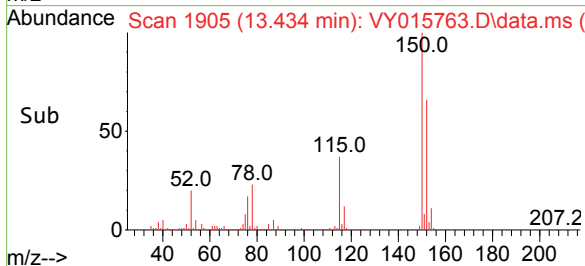
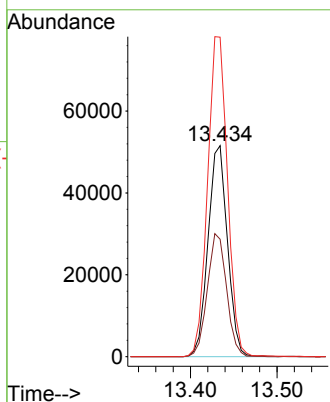
Tgt Ion:152 Resp: 80412

Ion Ratio Lower Upper

152 100

115 57.7 28.8 86.5

150 155.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 32.990 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.140 min

Lab File: VY015763.D

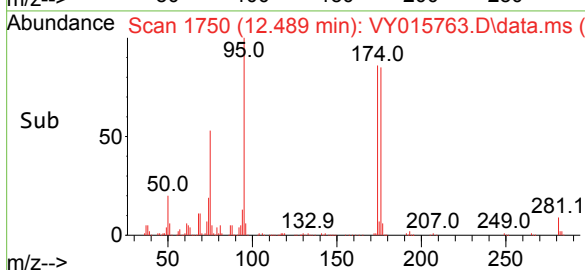
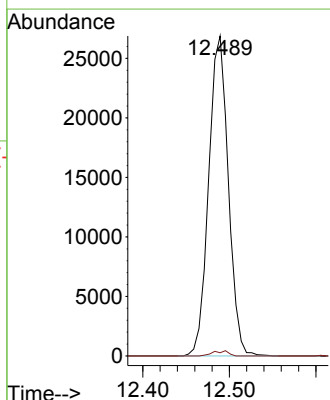
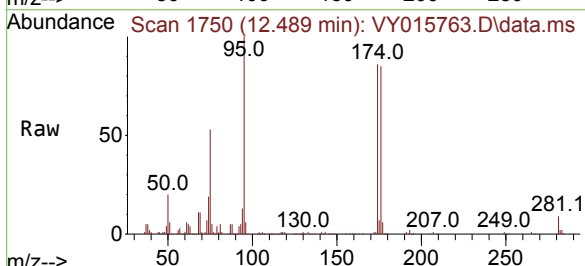
Acq: 29 Sep 2023 19:02

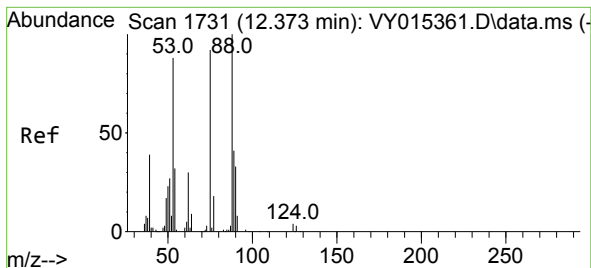
Tgt Ion: 75 Resp: 42321

Ion Ratio Lower Upper

75 100

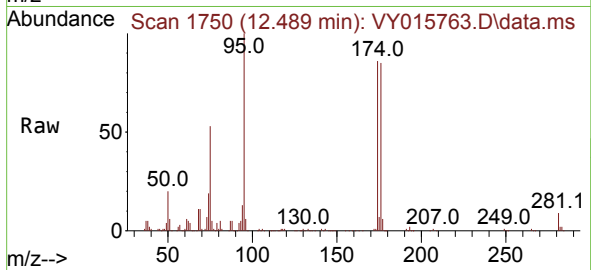
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.290 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY015763.D
 Acq: 29 Sep 2023 19:02

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.8	116.8#
89	0.2	37.4	56.0#

