

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090123\
 Data File : VY015409.D
 Acq On : 01 Sep 2023 12:47
 Operator : SY/MD
 Sample : 04249-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-02-083023RE

Quant Time: Sep 01 23:30:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

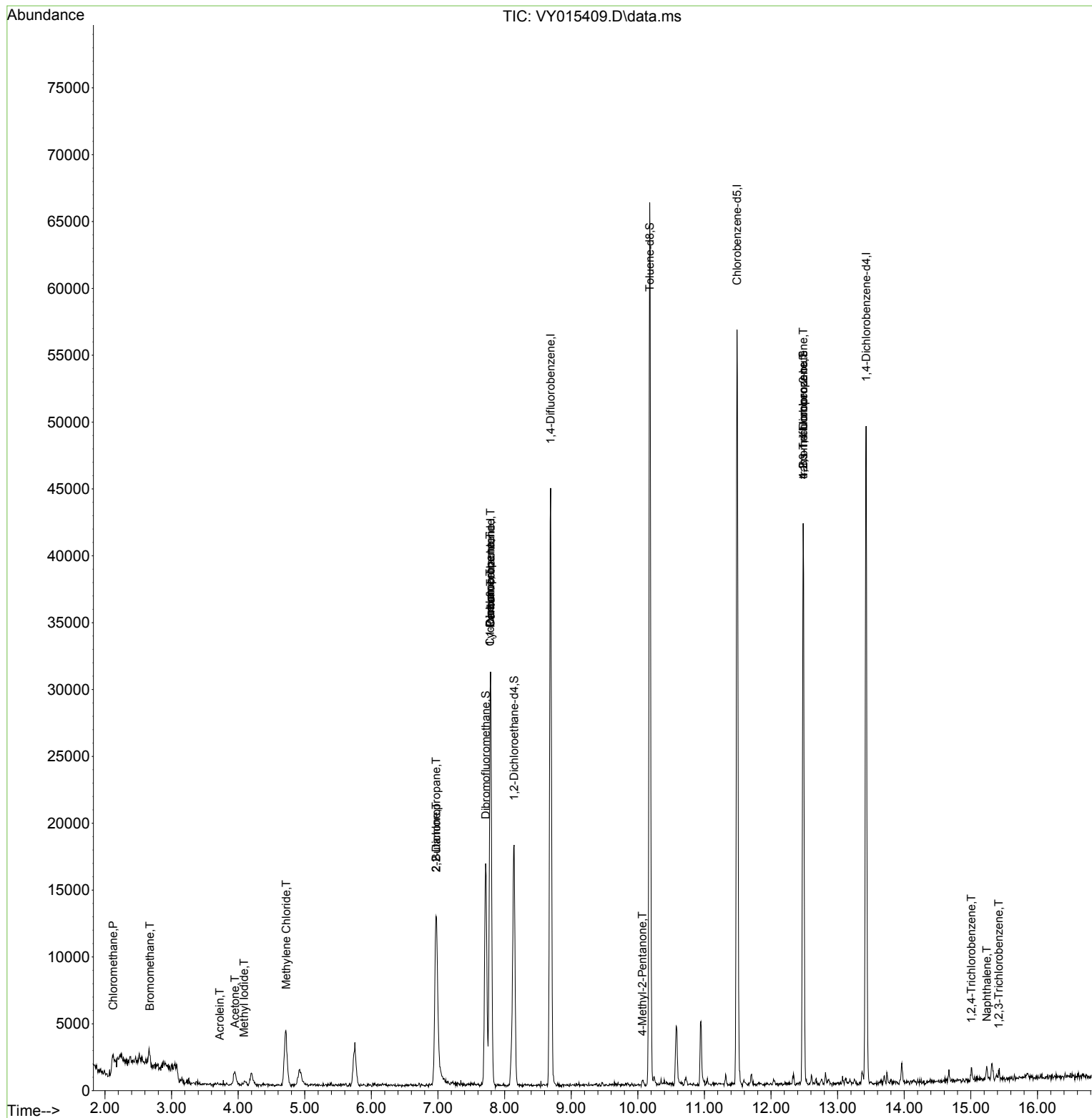
Internal Standards						
1) Pentafluorobenzene	7.789	168	25312	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	38688	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	31435	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	13250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	13328	49.119	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.240%
35) Dibromofluoromethane	7.716	113	12281	55.113	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.220%
50) Toluene-d8	10.179	98	43517	53.927	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	107.860%
62) 4-Bromofluorobenzene	12.483	95	12465	41.609	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.220%
Target Compounds						
					Qvalue	
3) Chloromethane	2.125	50	399	1.365	ug/l #	75
5) Bromomethane	2.674	94	535	2.211	ug/l	82
10) Methyl Iodide	4.088	142	480	1.533	ug/l #	61
11) Tert butyl alcohol	4.911	59	940	Below Cal	#	89
13) Acrolein	3.723	56	20	11.899	ug/l #	14
16) Acetone	3.954	43	1990	17.571	ug/l	90
20) Methylene Chloride	4.722	84	3086	2.692	ug/l	87
25) 2-Butanone	6.972	43	450	2.801	ug/l #	49
26) 2,2-Dichloropropane	6.972	77	1023	2.378	ug/l #	54
31) Cyclohexane	7.783	56	574	1.191	ug/l #	56
36) 1,1-Dichloropropene	7.783	75	1929	4.930	ug/l #	48
38) Carbon Tetrachloride	7.789	117	2510	6.211	ug/l #	12
51) 4-Methyl-2-Pentanone	10.069	43	385	1.269	ug/l #	86
76) 1,2,3-Trichloropropane	12.483	75	6594	37.528	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	6594	82.783	ug/l #	10
93) 1,2,4-Trichlorobenzene	15.007	180	446	1.672	ug/l	80
95) Naphthalene	15.239	128	1196	1.810	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.422	180	340	1.398	ug/l	93

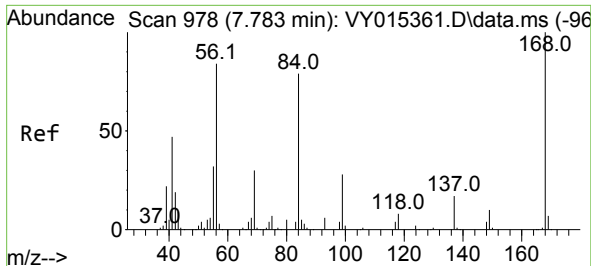
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Aug 31 20:01:47 2023
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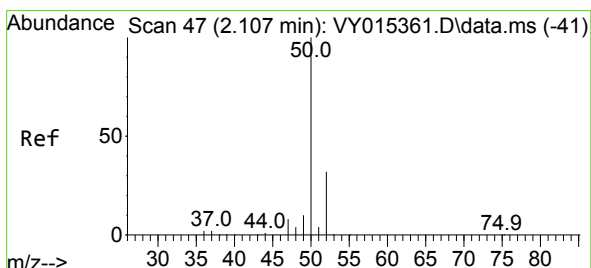
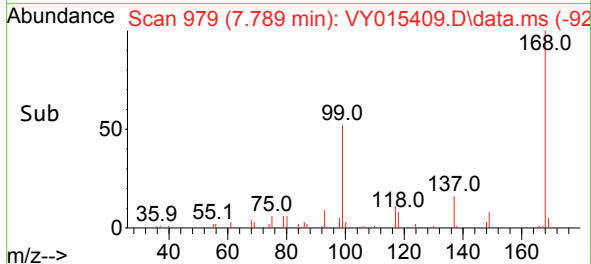
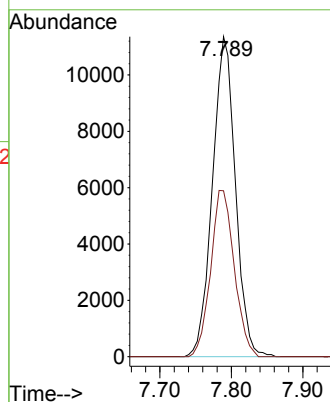
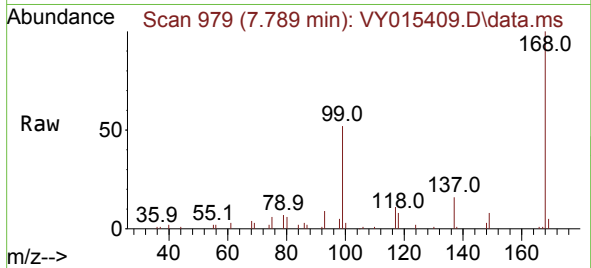




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015409.D
Acq: 01 Sep 2023 12:47

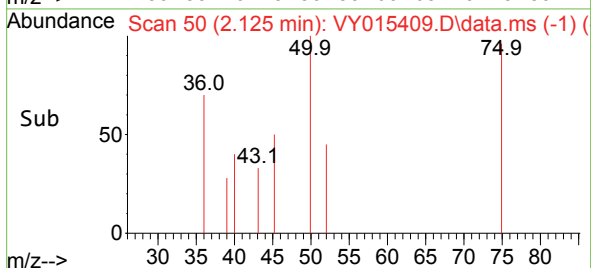
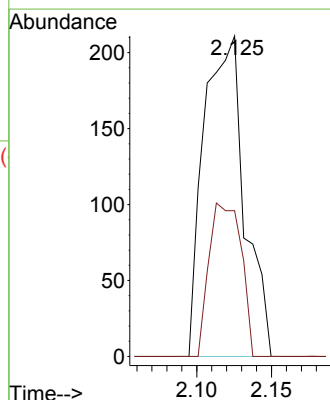
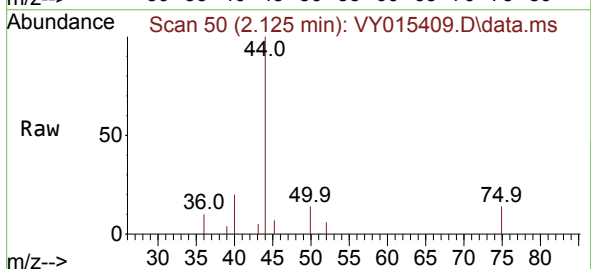
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-083023RE

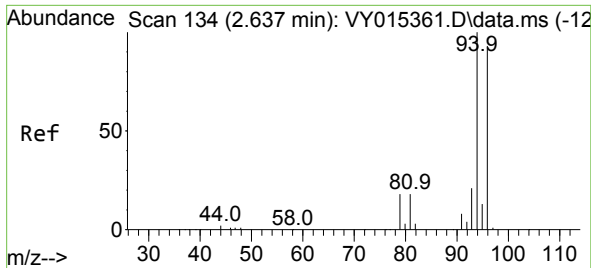
Tgt Ion:168 Resp: 25312
Ion Ratio Lower Upper
168 100
99 51.9 43.4 65.0



#3
Chloromethane
Concen: 1.365 ug/l
RT: 2.125 min Scan# 50
Delta R.T. 0.018 min
Lab File: VY015409.D
Acq: 01 Sep 2023 12:47

Tgt Ion: 50 Resp: 399
Ion Ratio Lower Upper
50 100
52 45.5 25.4 38.2#





#5

Bromomethane

Concen: 2.211 ug/l

RT: 2.674 min Scan# 14

Delta R.T. 0.037 min

Lab File: VY015409.D

Acq: 01 Sep 2023 12:47

Instrument :

MSVOA_Y

ClientSampleId :

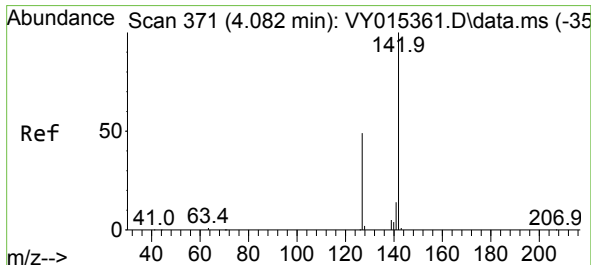
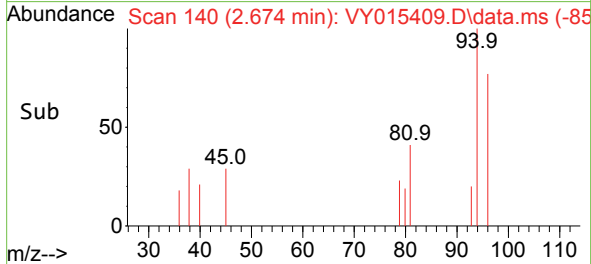
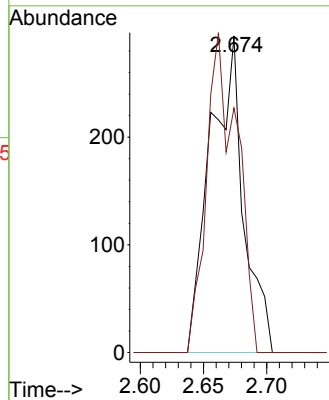
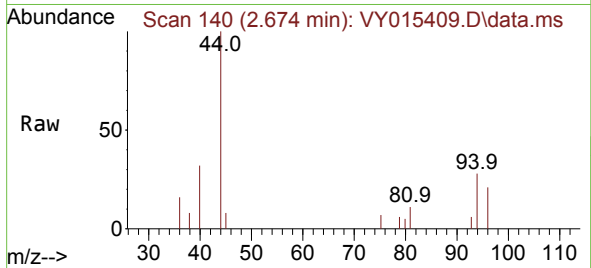
SU-02-083023RE

Tgt Ion: 94 Resp: 535

Ion Ratio Lower Upper

94 100

96 77.2 75.8 113.6



#10

Methyl Iodide

Concen: 1.533 ug/l

RT: 4.088 min Scan# 372

Delta R.T. 0.006 min

Lab File: VY015409.D

Acq: 01 Sep 2023 12:47

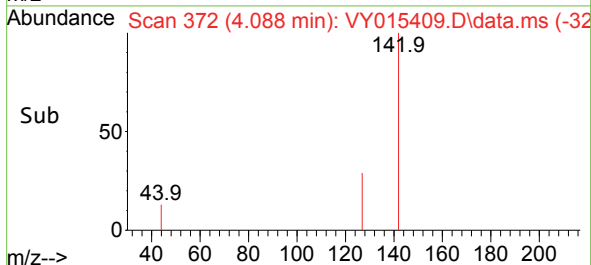
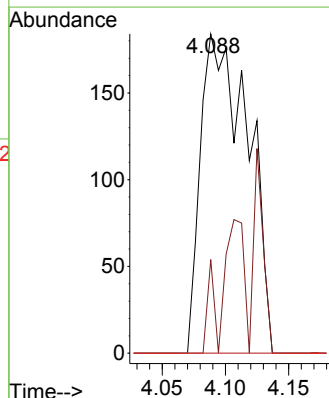
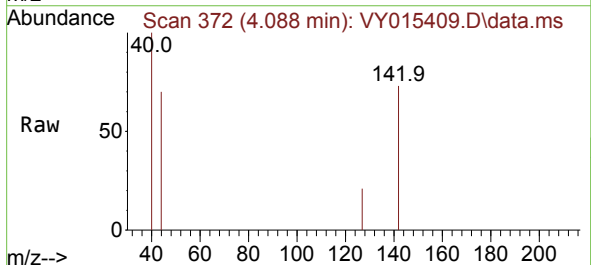
Tgt Ion: 142 Resp: 480

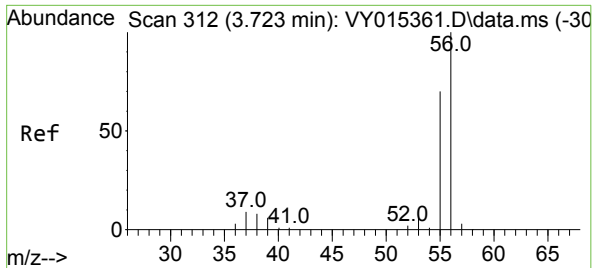
Ion Ratio Lower Upper

142 100

127 20.0 37.6 56.4#

141 0.0 11.8 17.8#

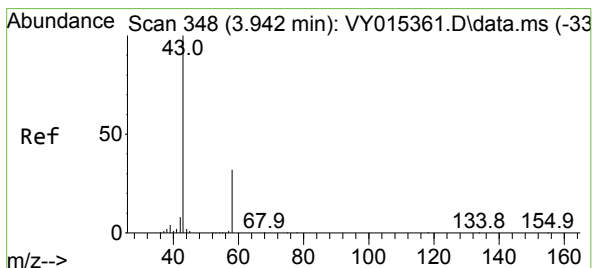
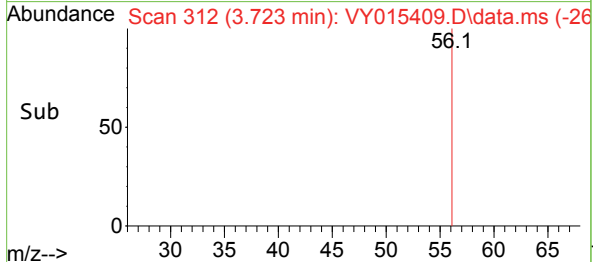
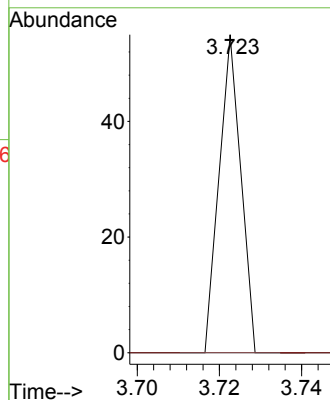
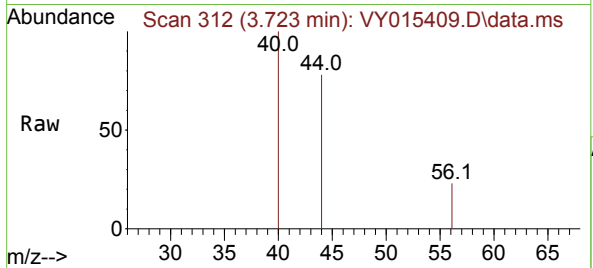




#13
Acrolein
Concen: 11.899 ug/l
RT: 3.723 min Scan# 312
Delta R.T. -0.000 min
Lab File: VY015409.D
Acq: 01 Sep 2023 12:47

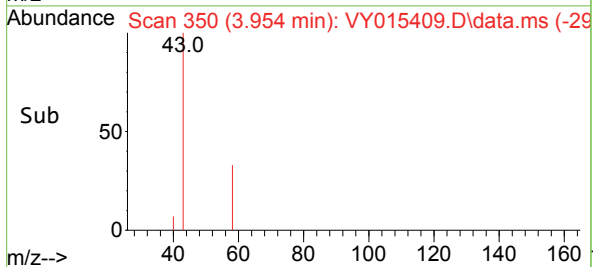
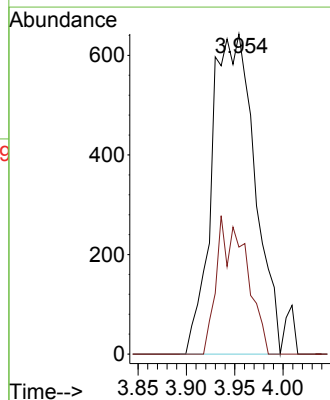
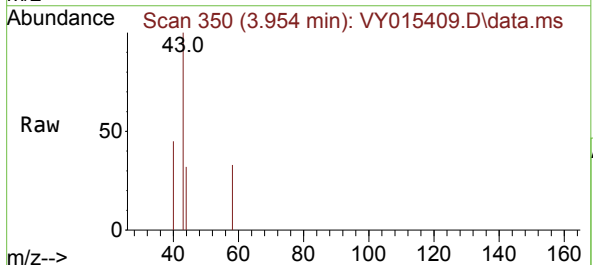
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-083023RE

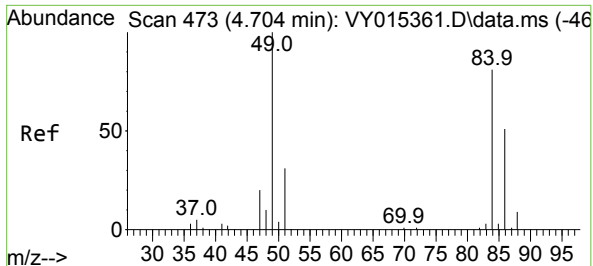
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#16
Acetone
Concen: 17.571 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY015409.D
Acq: 01 Sep 2023 12:47

Tgt Ion: 43 Resp: 1990
Ion Ratio Lower Upper
43 100
58 33.4 22.7 34.1





#20

Methylene Chloride

Concen: 2.692 ug/l

RT: 4.722 min Scan# 41

Delta R.T. 0.018 min

Lab File: VY015409.D

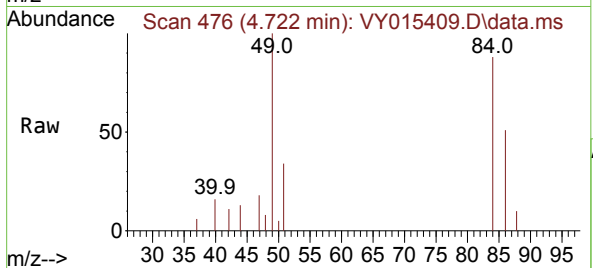
Acq: 01 Sep 2023 12:47

Instrument :

MSVOA_Y

ClientSampleId :

SU-02-083023RE



Tgt Ion: 84 Resp: 3086

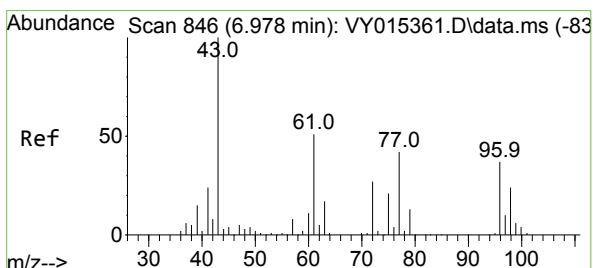
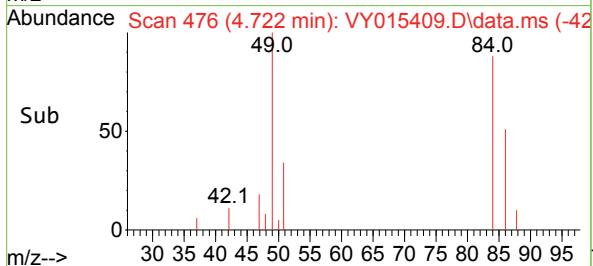
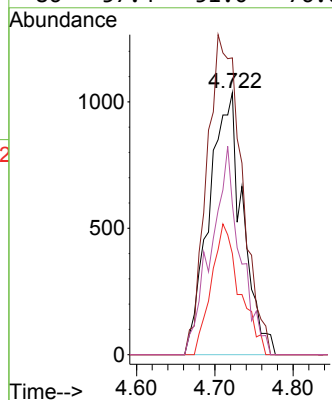
Ion Ratio Lower Upper

84 100

49 113.3 106.9 160.3

51 38.6 33.2 49.8

86 57.4 51.0 76.6



#25

2-Butanone

Concen: 2.801 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.006 min

Lab File: VY015409.D

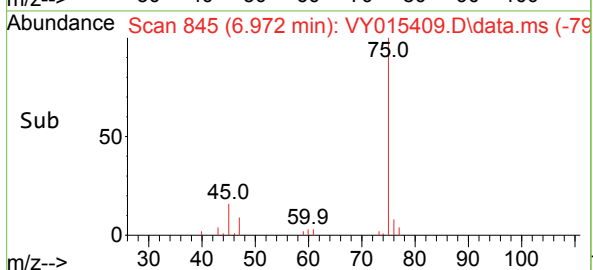
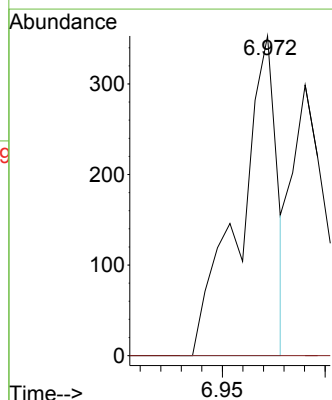
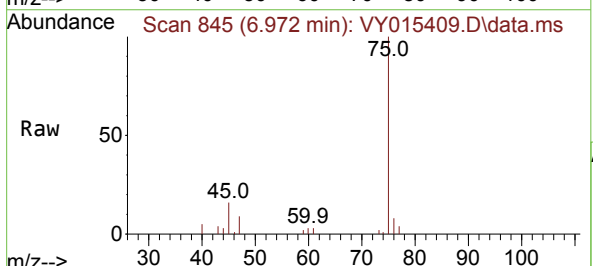
Acq: 01 Sep 2023 12:47

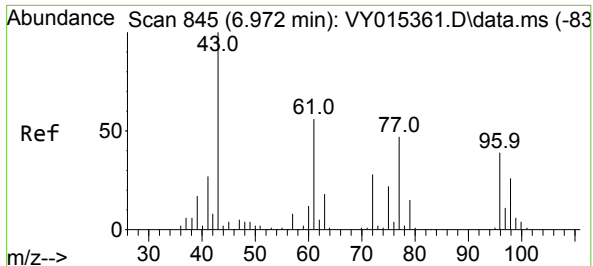
Tgt Ion: 43 Resp: 450

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#





#26

2,2-Dichloropropane

Concen: 2.378 ug/l

RT: 6.972 min Scan# 845

Delta R.T. 0.000 min

Lab File: VY015409.D

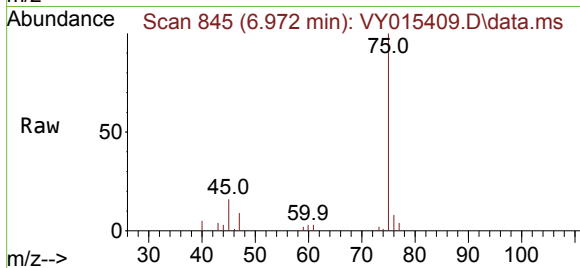
Acq: 01 Sep 2023 12:47

Instrument :

MSVOA_Y

ClientSampleId :

SU-02-083023RE

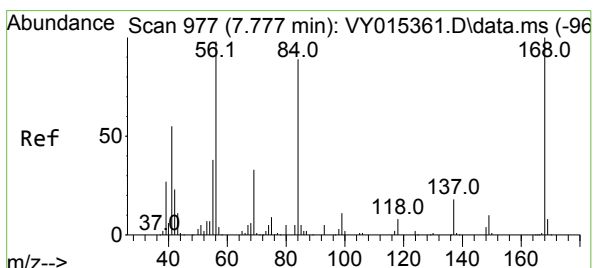
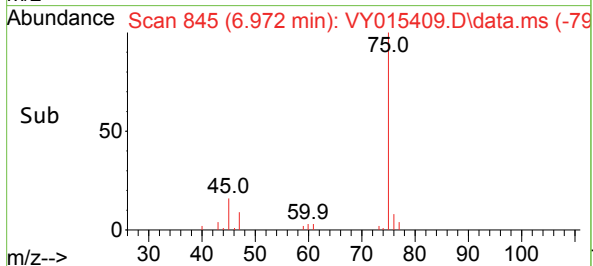
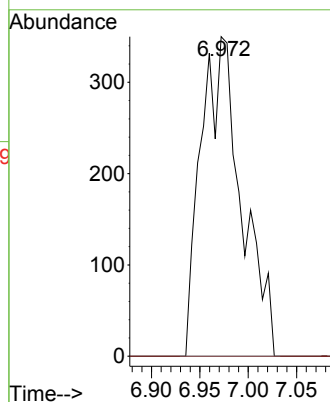


Tgt Ion: 77 Resp: 1023

Ion Ratio Lower Upper

77 100

97 0.0 10.9 32.9#



#31

Cyclohexane

Concen: 1.191 ug/l

RT: 7.783 min Scan# 978

Delta R.T. 0.000 min

Lab File: VY015409.D

Acq: 01 Sep 2023 12:47

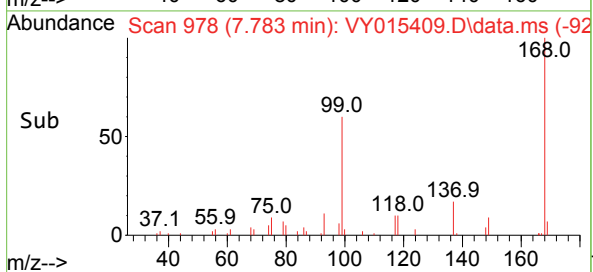
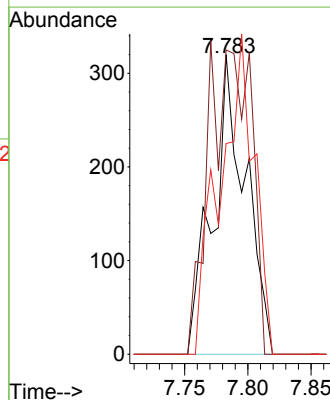
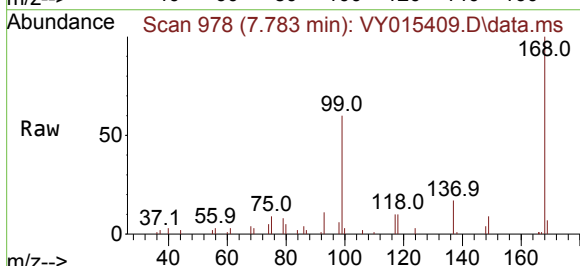
Tgt Ion: 56 Resp: 574

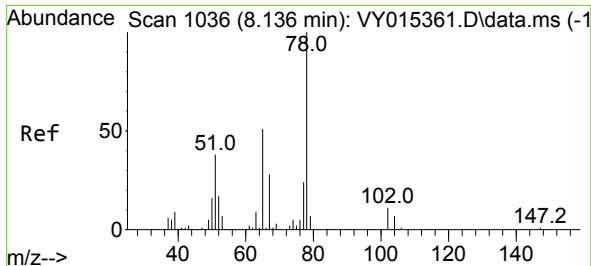
Ion Ratio Lower Upper

56 100

69 101.6 27.8 41.6#

84 70.3 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 49.119 ug/l

RT: 8.143 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY015409.D

Acq: 01 Sep 2023 12:47

Instrument :

MSVOA_Y

ClientSampleId :

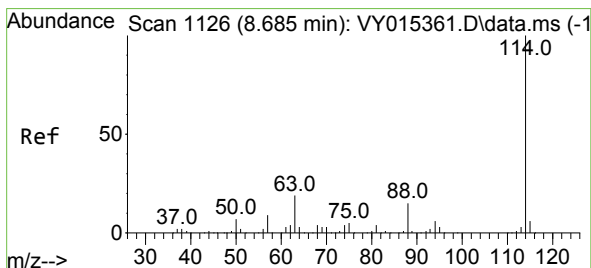
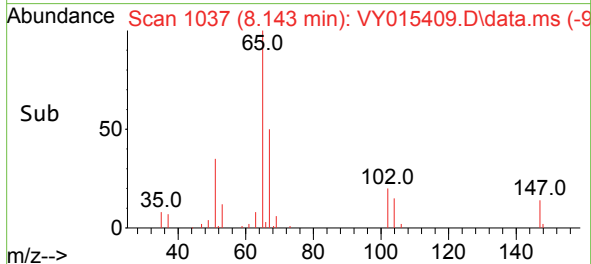
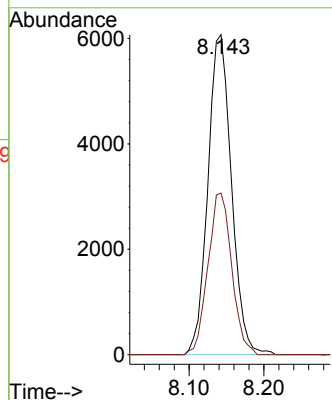
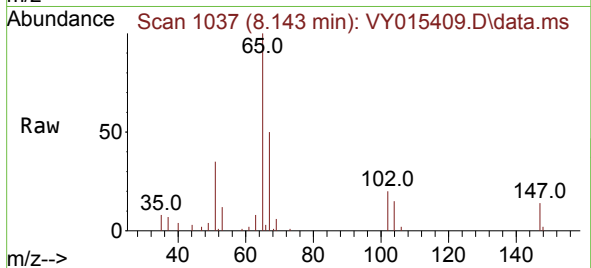
SU-02-083023RE

Tgt Ion: 65 Resp: 13328

Ion Ratio Lower Upper

65 100

67 50.9 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015409.D

Acq: 01 Sep 2023 12:47

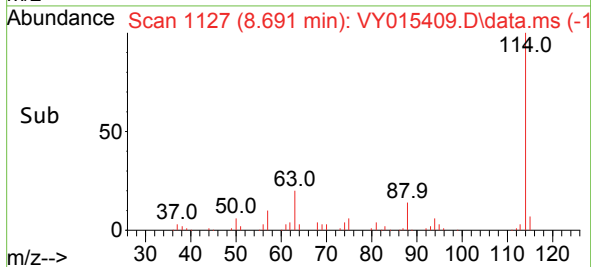
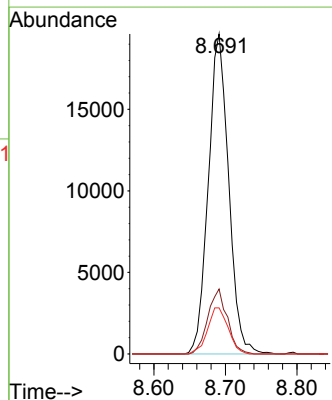
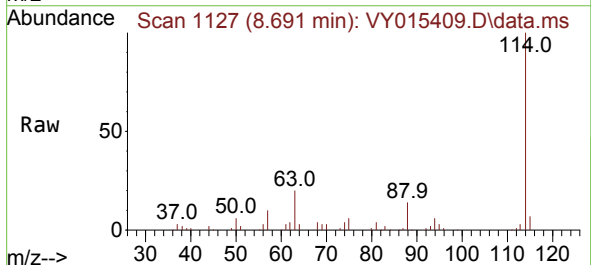
Tgt Ion: 114 Resp: 38688

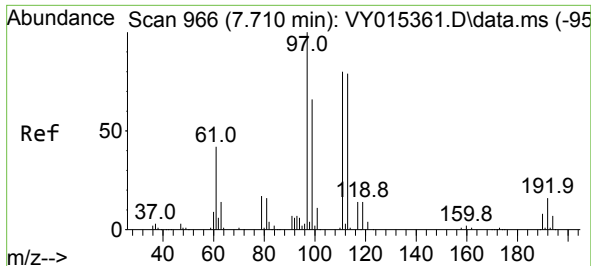
Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.4

88 14.4 0.0 30.6

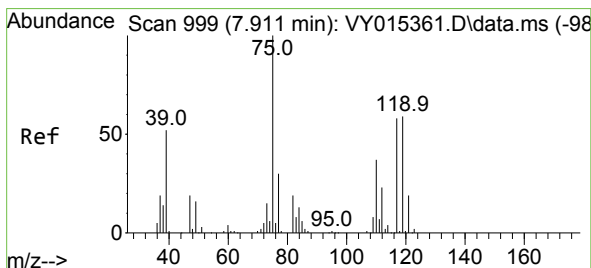
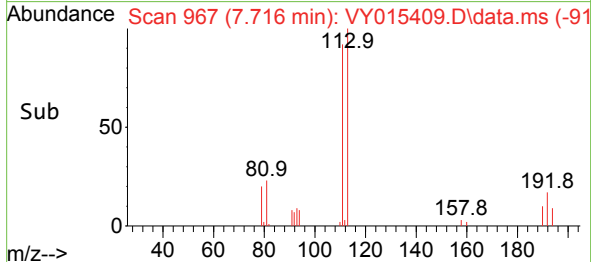
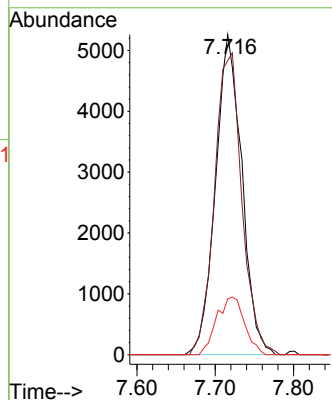
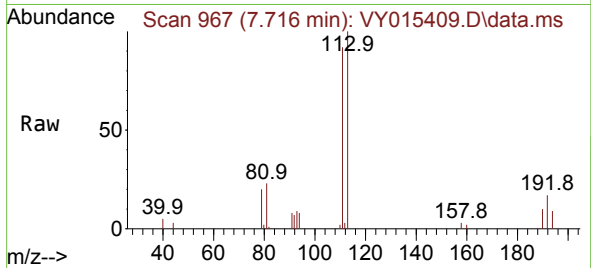




#35
Dibromofluoromethane
Concen: 55.113 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.000 min
Lab File: VY015409.D
Acq: 01 Sep 2023 12:47

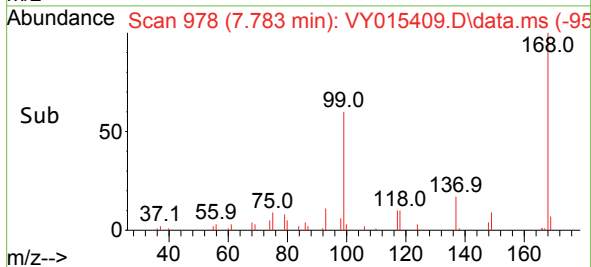
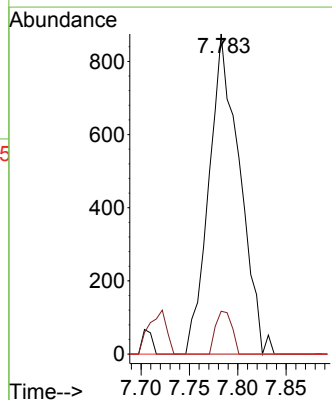
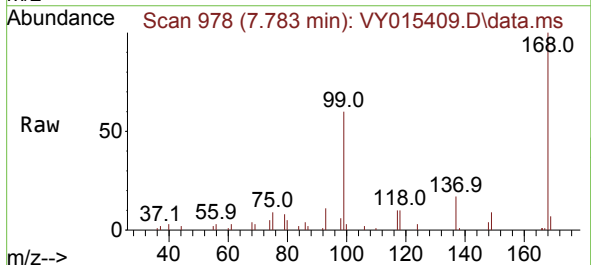
Instrument :
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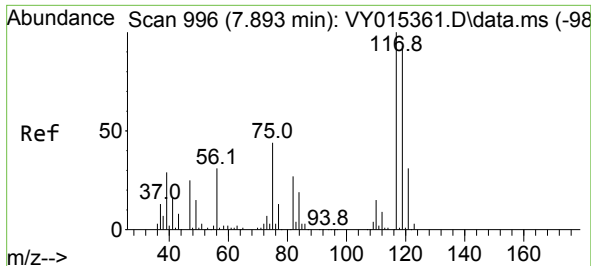
Tgt Ion:113 Resp: 12281
Ion Ratio Lower Upper
113 100
111 98.2 81.3 121.9
192 19.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.930 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015409.D
Acq: 01 Sep 2023 12:47

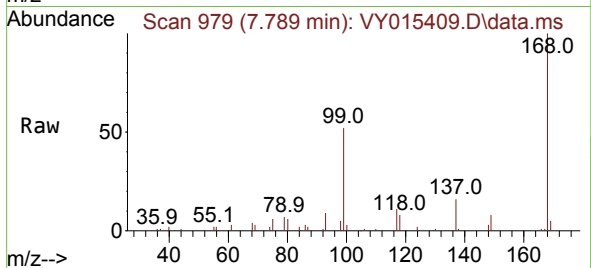
Tgt Ion: 75 Resp: 1929
Ion Ratio Lower Upper
75 100
110 7.1 17.8 53.5#
77 0.0 24.4 36.6#



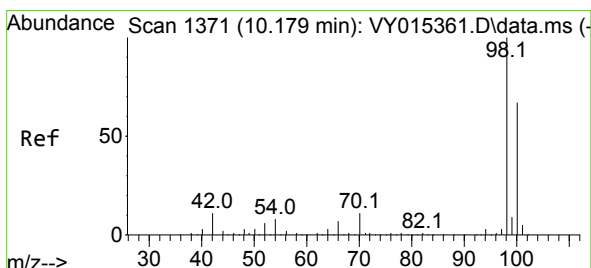
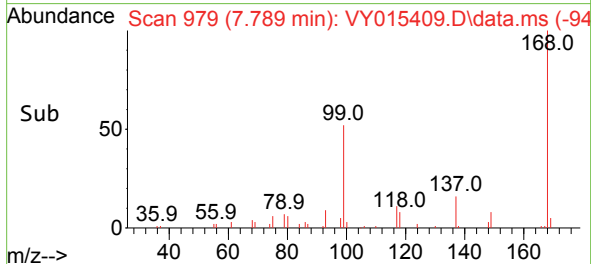
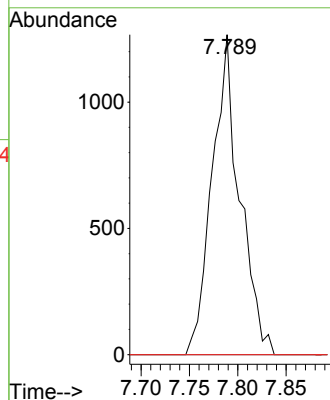


#38
Carbon Tetrachloride
Concen: 6.211 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY015409.D
Acq: 01 Sep 2023 12:47

Instrument :
MSVOA_Y
ClientSampleId :
SU-02-083023RE

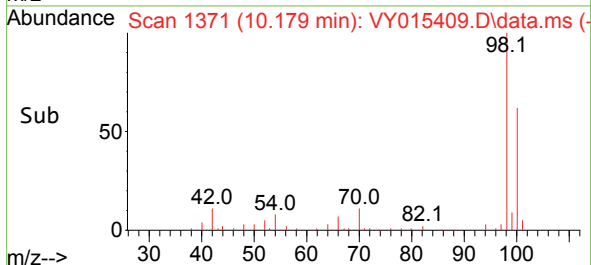
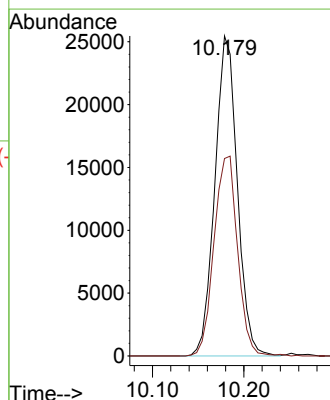
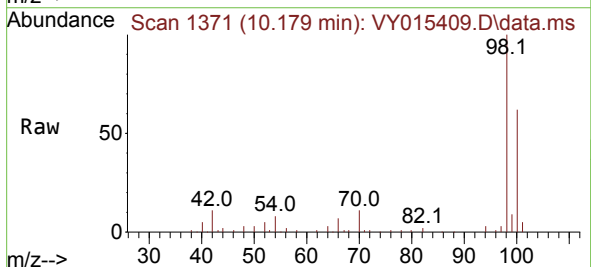


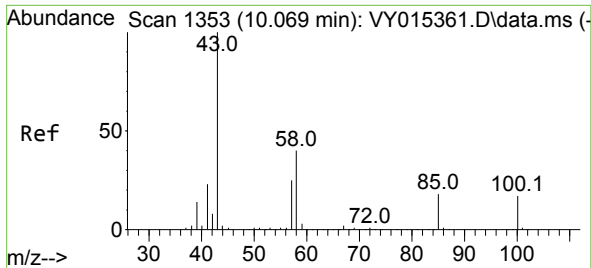
Tgt Ion:117 Resp: 2510
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 53.927 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015409.D
Acq: 01 Sep 2023 12:47

Tgt Ion: 98 Resp: 43517
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1

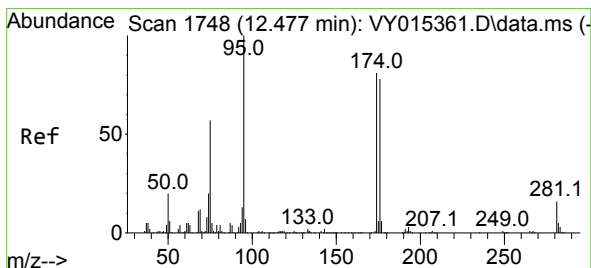
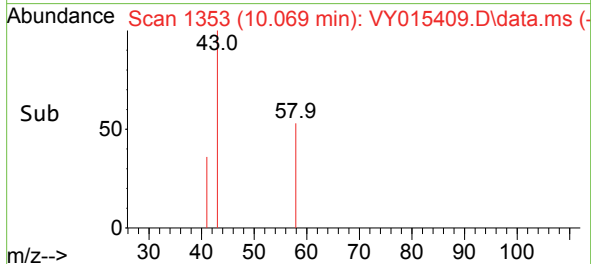
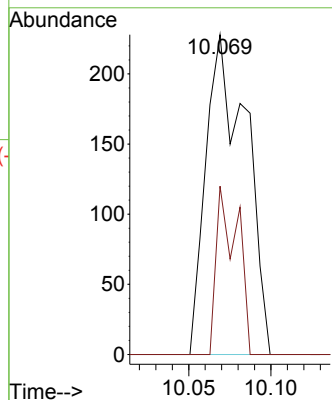
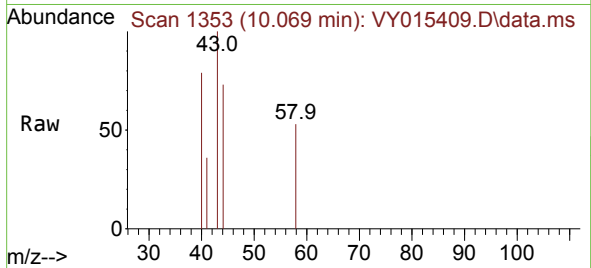




#51
4-Methyl-2-Pentanone
Concen: 1.269 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VY015409.D
Acq: 01 Sep 2023 12:47

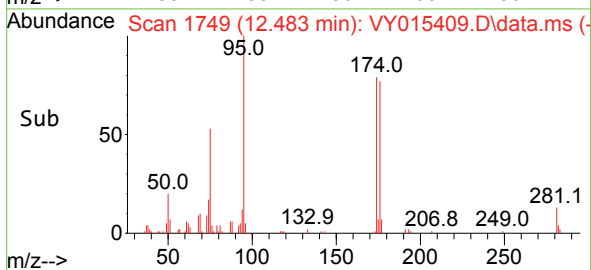
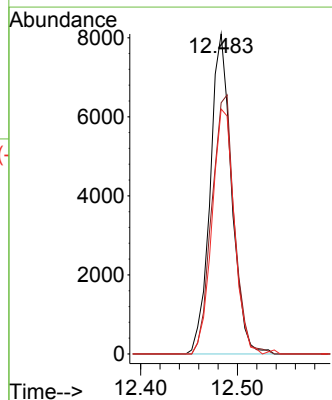
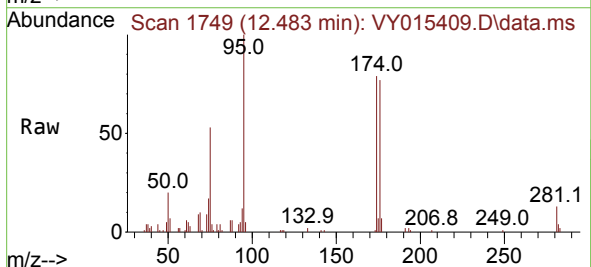
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-083023RE

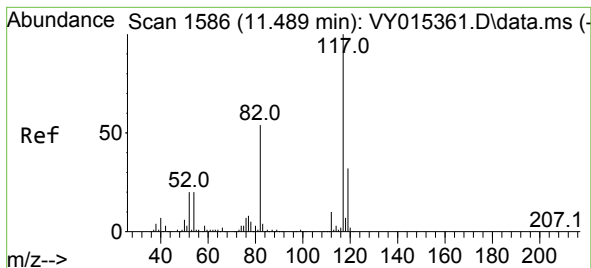
Tgt Ion: 43 Resp: 385
Ion Ratio Lower Upper
43 100
58 27.8 29.0 43.6#



#62
4-Bromofluorobenzene
Concen: 41.609 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY015409.D
Acq: 01 Sep 2023 12:47

Tgt Ion: 95 Resp: 12465
Ion Ratio Lower Upper
95 100
174 85.4 0.0 178.2
176 79.4 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: VY015409.D

Acq: 01 Sep 2023 12:47

Instrument :

MSVOA_Y

ClientSampleId :

SU-02-083023RE

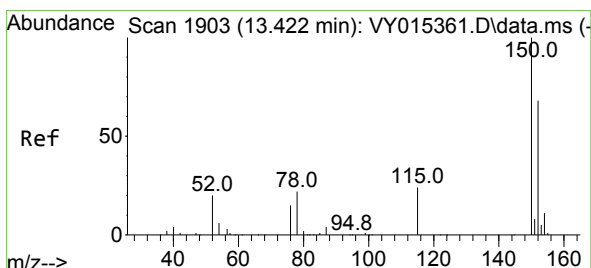
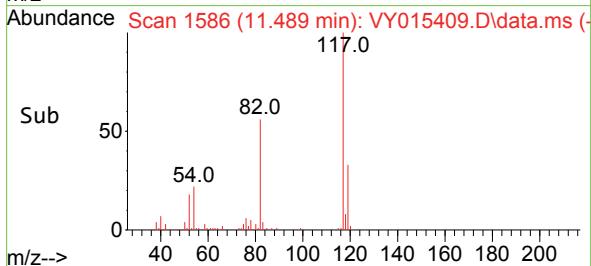
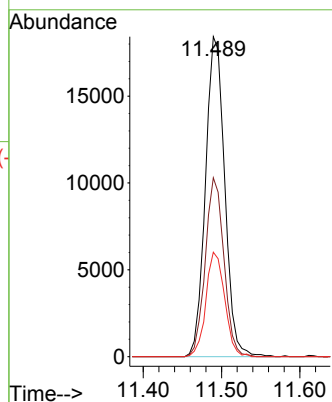
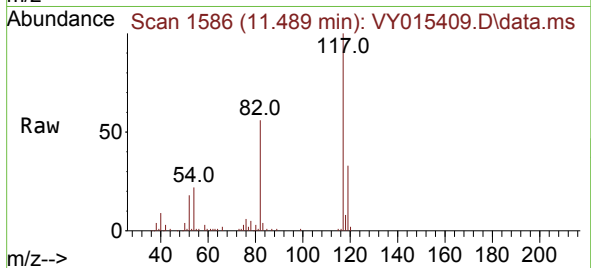
Tgt Ion:117 Resp: 31435

Ion Ratio Lower Upper

117 100

82 55.9 43.4 65.0

119 32.6 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015409.D

Acq: 01 Sep 2023 12:47

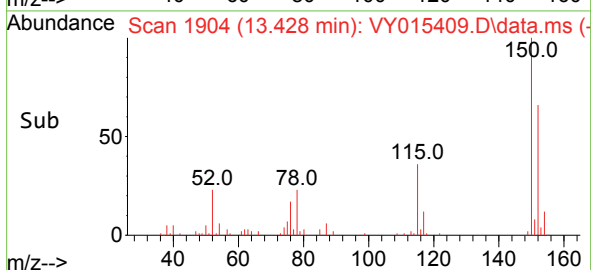
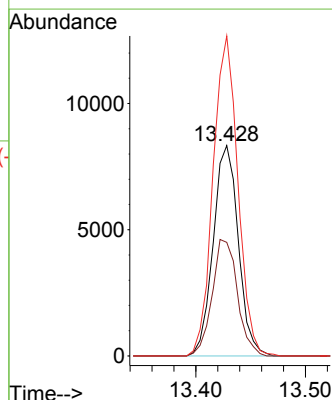
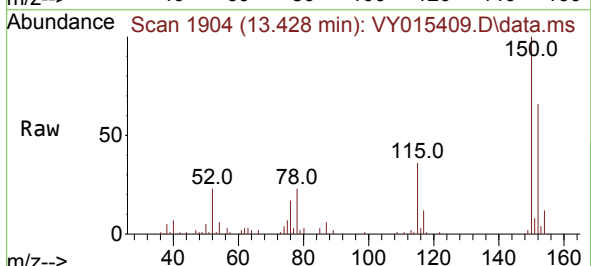
Tgt Ion:152 Resp: 13250

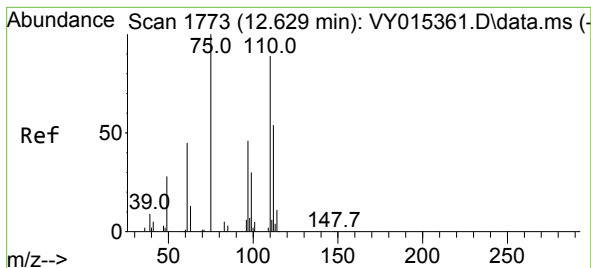
Ion Ratio Lower Upper

152 100

115 55.7 28.8 86.5

150 150.3 0.0 348.8

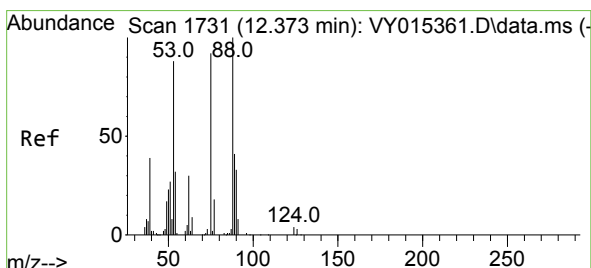
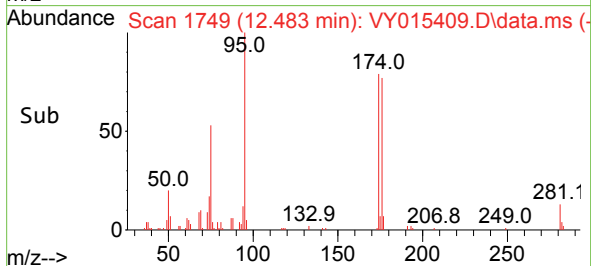
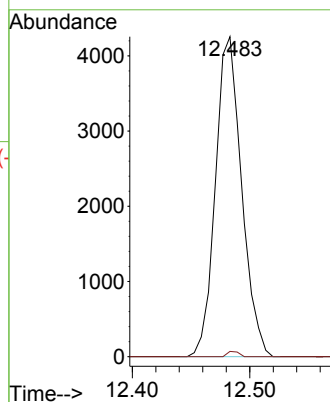
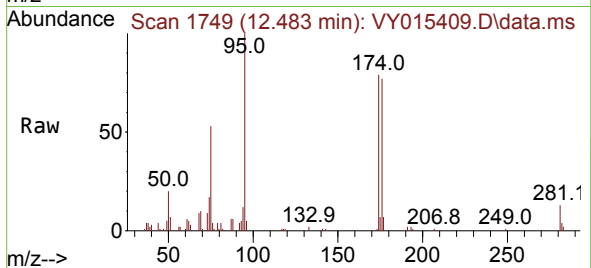




#76
1,2,3-Trichloropropane
Concen: 37.528 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY015409.D
Acq: 01 Sep 2023 12:47

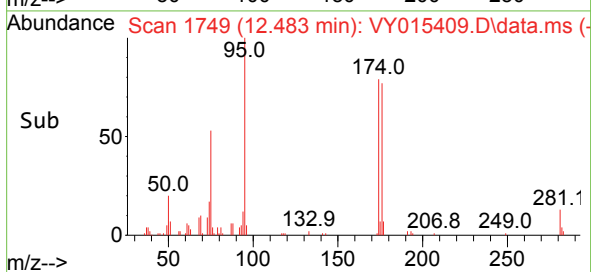
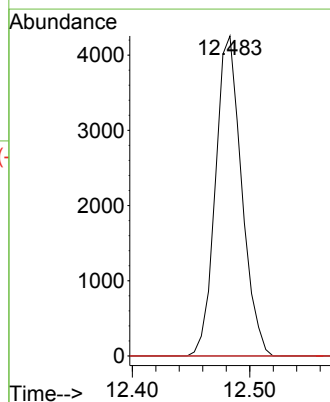
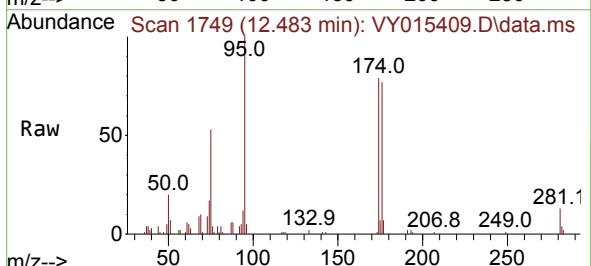
Instrument :
MSVOA_Y
ClientSampleId :
SU-02-083023RE

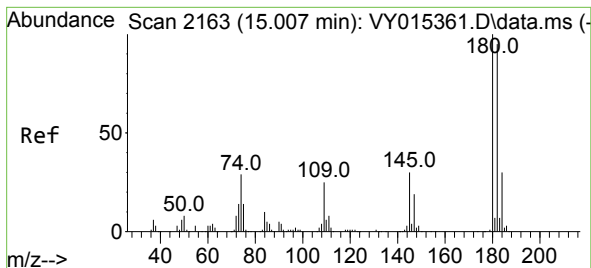
Tgt Ion: 75 Resp: 6594
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.783 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY015409.D
Acq: 01 Sep 2023 12:47

Tgt Ion: 75 Resp: 6594
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#





#93

1,2,4-Trichlorobenzene

Concen: 1.672 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.006 min

Lab File: VY015409.D

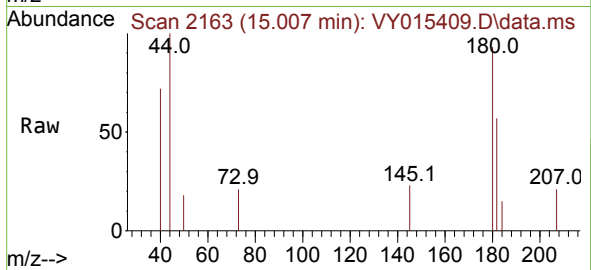
Acq: 01 Sep 2023 12:47

Instrument :

MSVOA_Y

ClientSampleId :

SU-02-083023RE



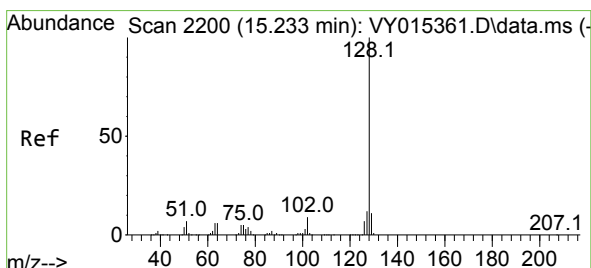
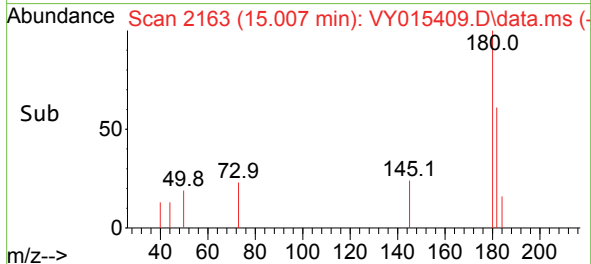
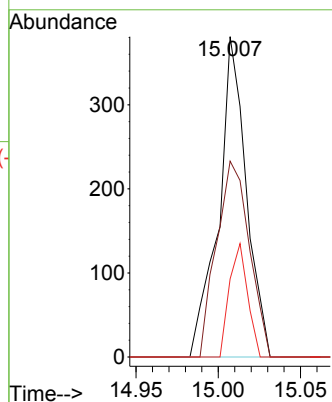
Tgt Ion:180 Resp: 446

Ion Ratio Lower Upper

180 100

182 72.2 47.0 141.2

145 23.1 14.5 43.5



#95

Naphthalene

Concen: 1.810 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.006 min

Lab File: VY015409.D

Acq: 01 Sep 2023 12:47

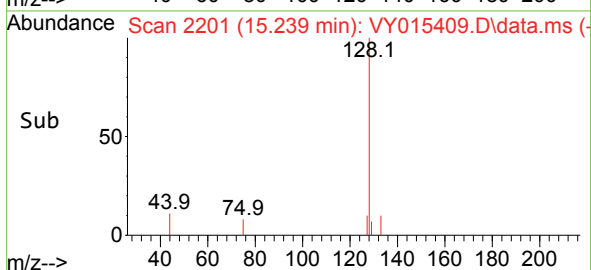
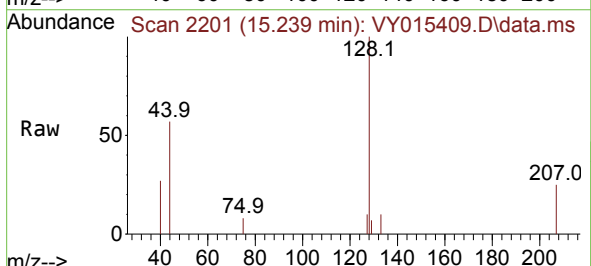
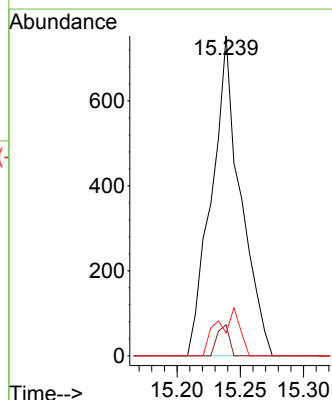
Tgt Ion:128 Resp: 1196

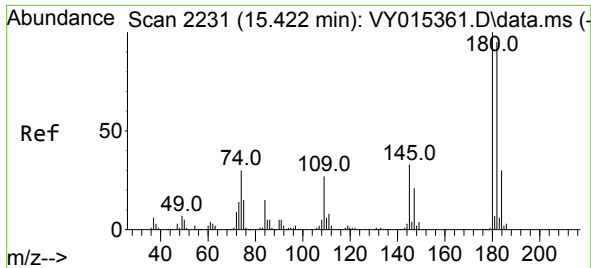
Ion Ratio Lower Upper

128 100

127 4.0 10.8 16.2#

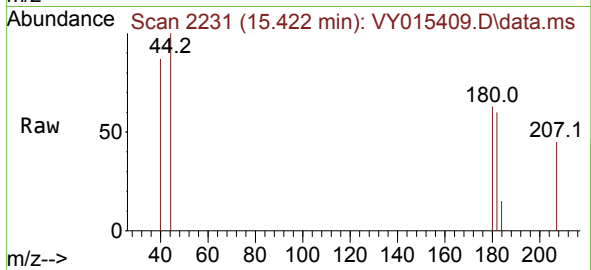
129 11.3 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 1.398 ug/l
 RT: 15.422 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY015409.D
 Acq: 01 Sep 2023 12:47

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-02-083023RE



Tgt Ion:	180	Resp:	340
Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.3	141.8
145	20.9	15.4	46.2

