

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
 Data File : VY014209.D
 Acq On : 16 Jun 2023 17:34
 Operator : KP/MD
 Sample : 03229-03
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-402-VOC-09

Quant Time: Jun 16 23:23:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	304656	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	555780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	587477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	304990	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	199938	47.129	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.260%
35) Dibromofluoromethane	7.716	113	180654	45.834	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.660%
50) Toluene-d8	10.179	98	683542	46.387	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.780%
62) 4-Bromofluorobenzene	12.483	95	271411	51.850	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	103.700%

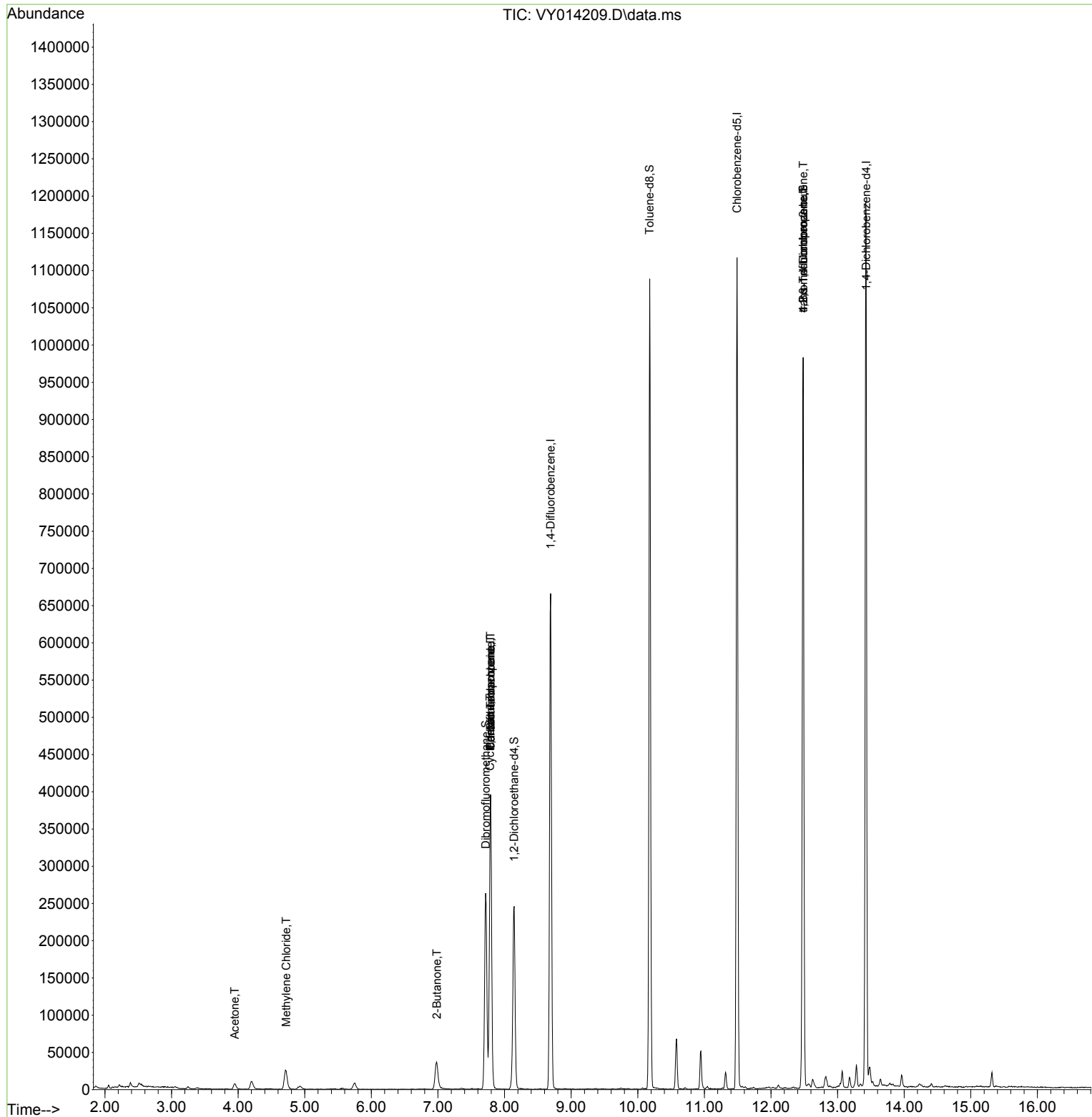
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.930	59	4672	Below Cal	#	90
13) Acrolein	3.741	56	58	Below Cal	#	14
16) Acetone	3.948	43	13295	10.397	ug/l	96
20) Methylene Chloride	4.723	84	18473	1.012	ug/l	96
25) 2-Butanone	6.984	43	9218	5.856	ug/l	# 87
31) Cyclohexane	7.783	56	6695	1.178	ug/l	# 24
36) 1,1-Dichloropropene	7.789	75	23695	3.856	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	30246	4.265	ug/l	# 17
76) 1,2,3-Trichloropropane	12.483	75	151396	37.836	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	151396	81.786	ug/l	# 11

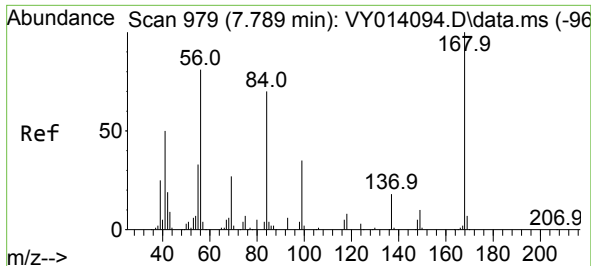
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061623\
Data File : VY014209.D
Acq On : 16 Jun 2023 17:34
Operator : KP/MD
Sample : 03229-03
Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-09

Quant Time: Jun 16 23:23:44 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 09 18:07:13 2023
Response via : Initial Calibration

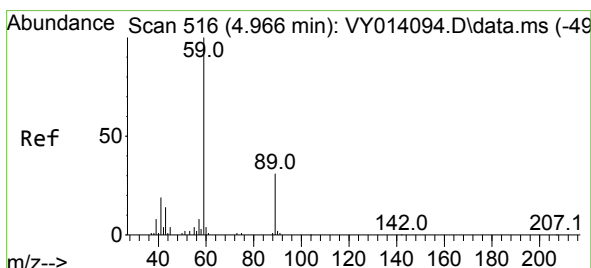
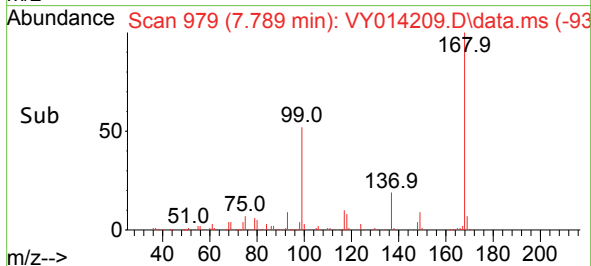
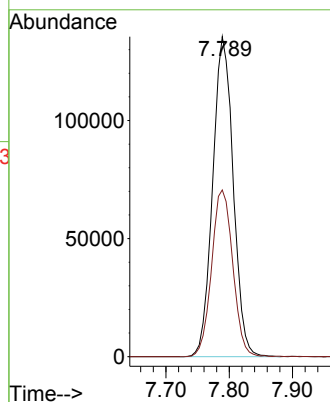
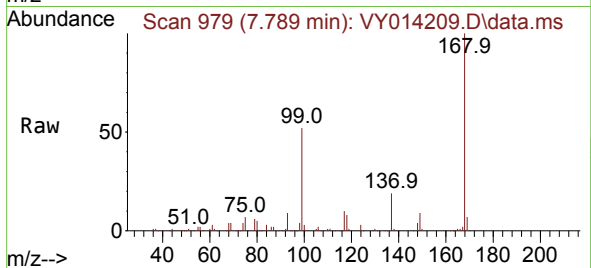




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY014209.D
Acq: 16 Jun 2023 17:34

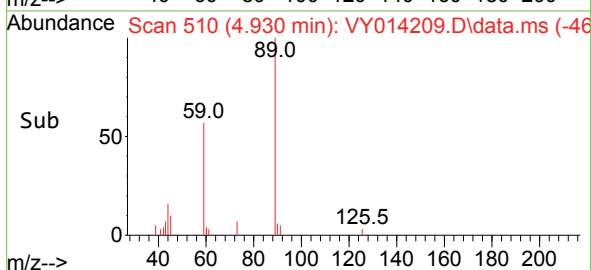
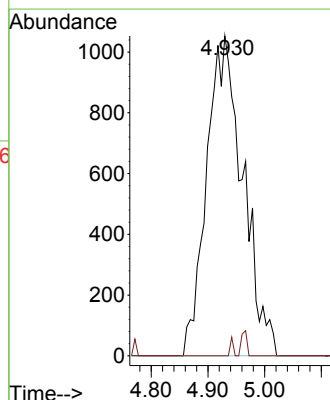
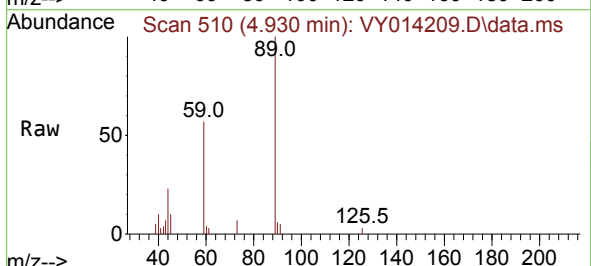
Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-09

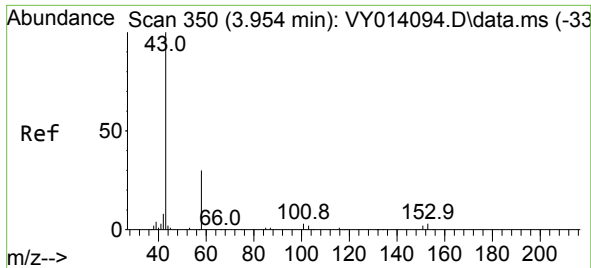
Tgt Ion:168 Resp: 304656
Ion Ratio Lower Upper
168 100
99 52.1 43.4 65.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.036 min
Lab File: VY014209.D
Acq: 16 Jun 2023 17:34

Tgt Ion: 59 Resp: 4672
Ion Ratio Lower Upper
59 100
57 0.5 3.0 4.4#

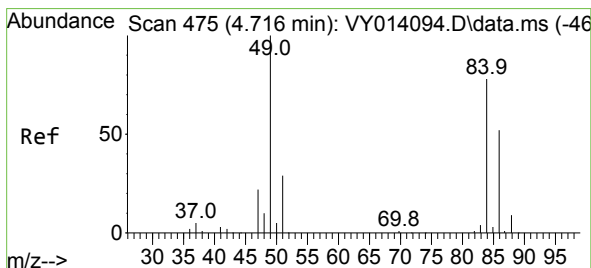
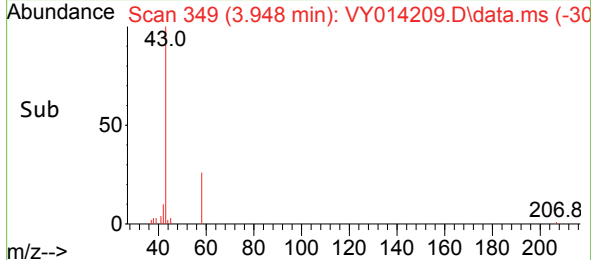
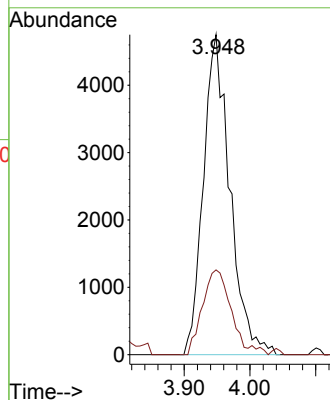
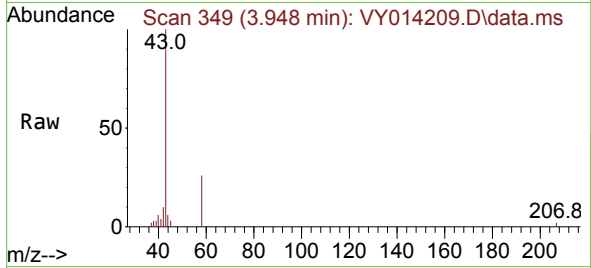




#16
Acetone
Concen: 10.397 ug/l
RT: 3.948 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY014209.D
Acq: 16 Jun 2023 17:34

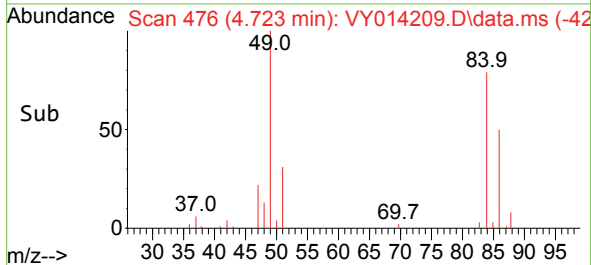
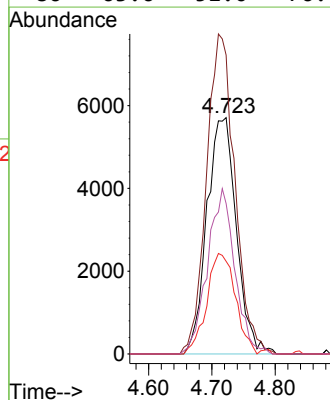
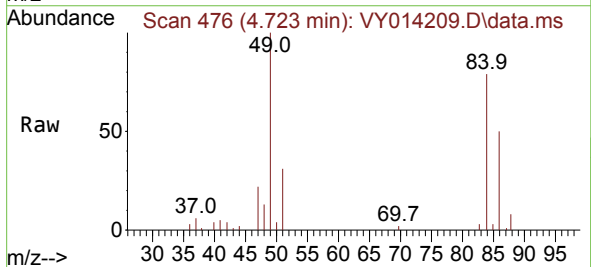
Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-09

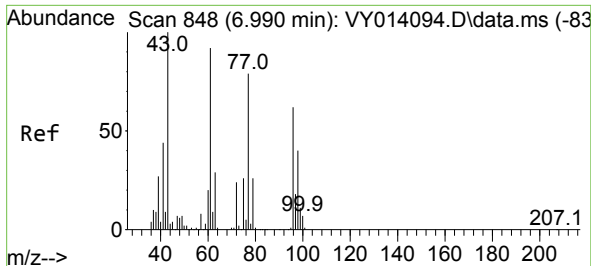
Tgt Ion: 43 Resp: 13295
Ion Ratio Lower Upper
43 100
58 26.5 22.7 34.1



#20
Methylene Chloride
Concen: 1.012 ug/l
RT: 4.723 min Scan# 476
Delta R.T. 0.007 min
Lab File: VY014209.D
Acq: 16 Jun 2023 17:34

Tgt Ion: 84 Resp: 18473
Ion Ratio Lower Upper
84 100
49 126.5 106.9 160.3
51 39.2 33.2 49.8
86 63.6 51.0 76.6





#25

2-Butanone

Concen: 5.856 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY014209.D

Acq: 16 Jun 2023 17:34

Instrument :

MSVOA_Y

ClientSampleId :

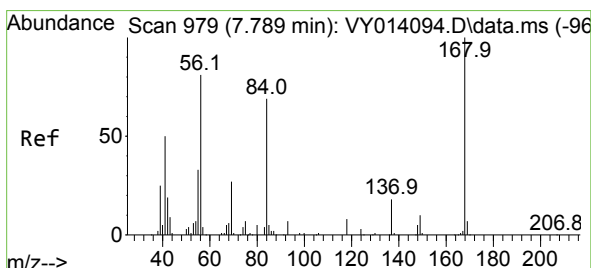
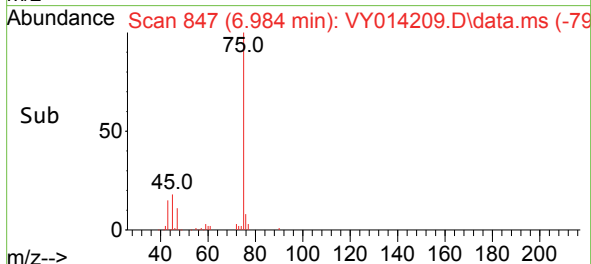
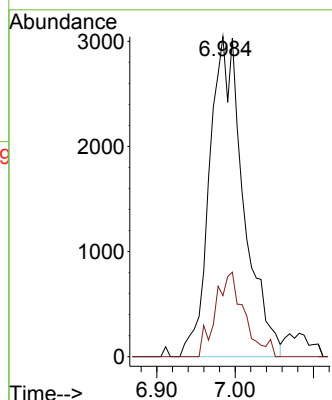
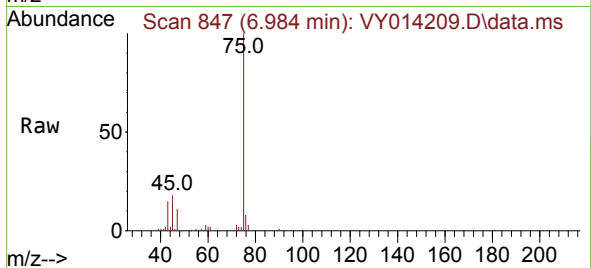
OR-402-VOC-09

Tgt Ion: 43 Resp: 9218

Ion Ratio Lower Upper

43 100

72 19.1 20.5 30.7#



#31

Cyclohexane

Concen: 1.178 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.006 min

Lab File: VY014209.D

Acq: 16 Jun 2023 17:34

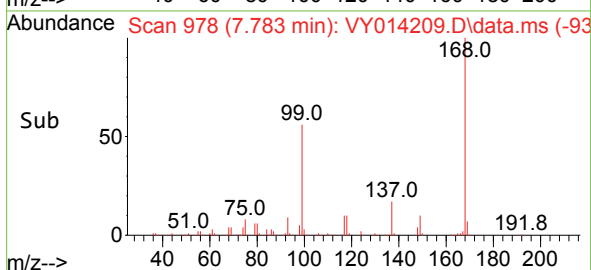
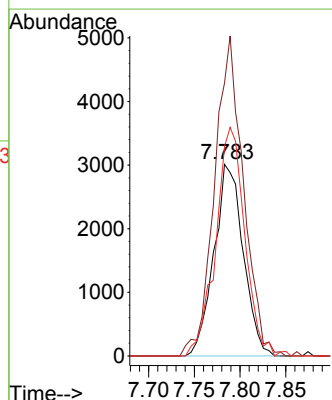
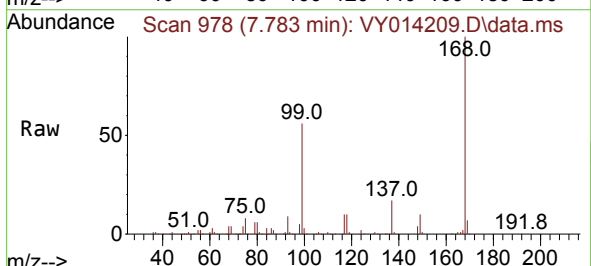
Tgt Ion: 56 Resp: 6695

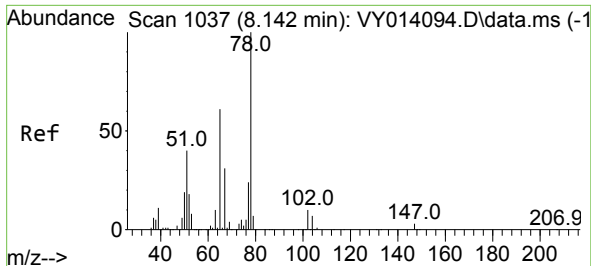
Ion Ratio Lower Upper

56 100

69 142.4 27.8 41.6#

84 109.3 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 47.129 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY014209.D

Acq: 16 Jun 2023 17:34

Instrument :

MSVOA_Y

ClientSampleId :

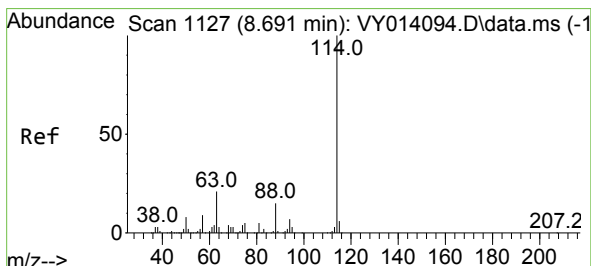
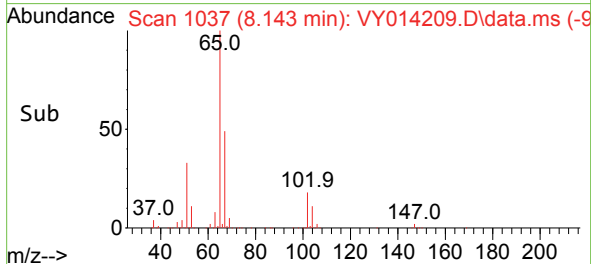
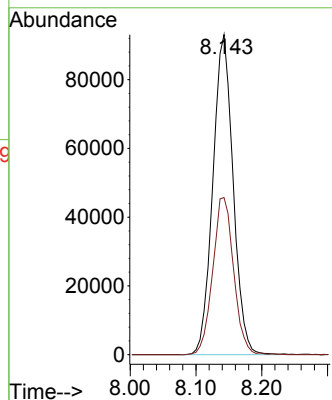
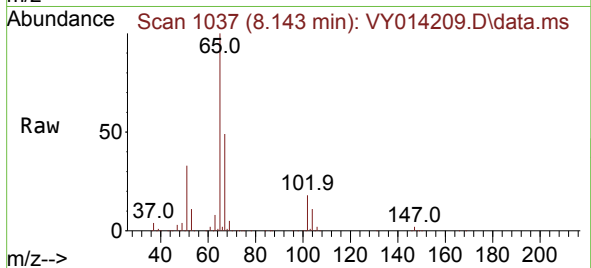
OR-402-VOC-09

Tgt Ion: 65 Resp: 199938

Ion Ratio Lower Upper

65 100

67 50.6 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY014209.D

Acq: 16 Jun 2023 17:34

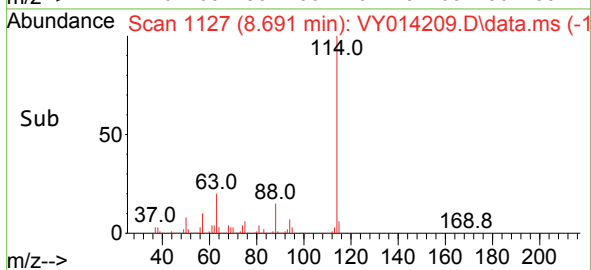
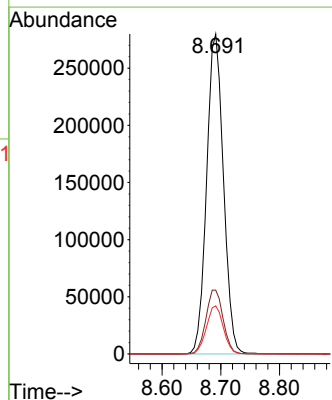
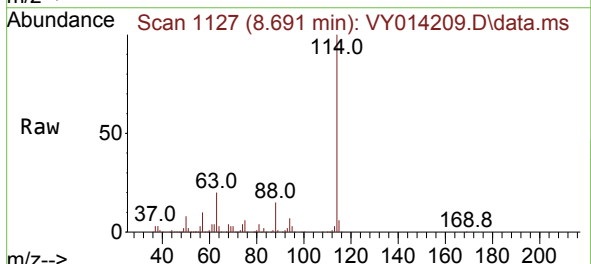
Tgt Ion: 114 Resp: 555780

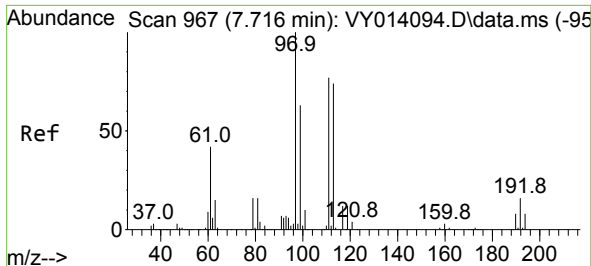
Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.4

88 15.0 0.0 30.6

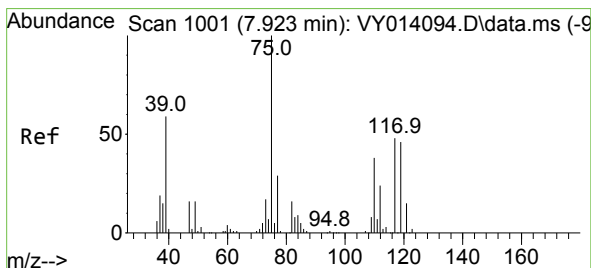
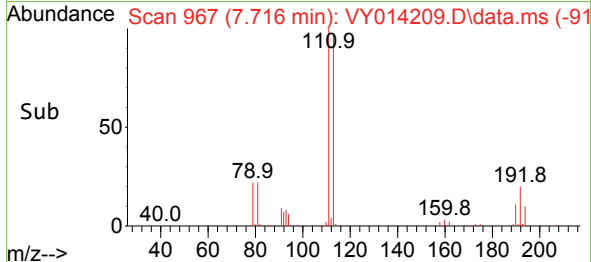
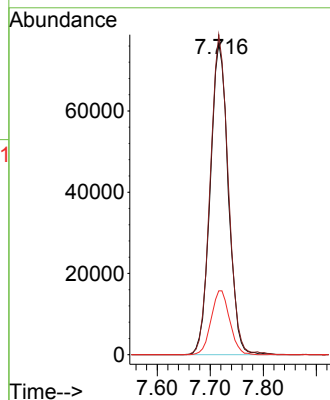
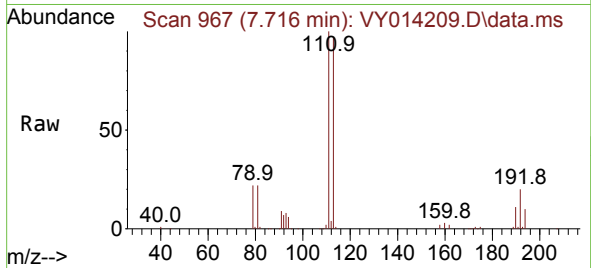




#35
Dibromofluoromethane
Concen: 45.834 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY014209.D
Acq: 16 Jun 2023 17:34

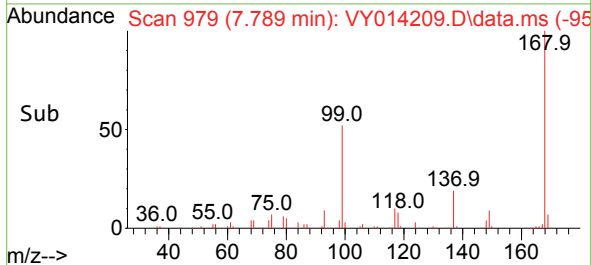
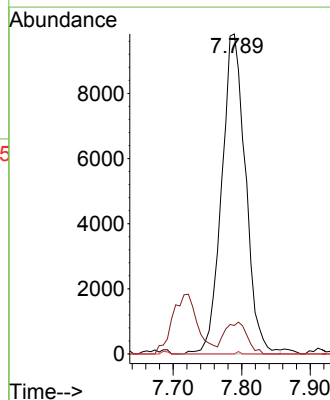
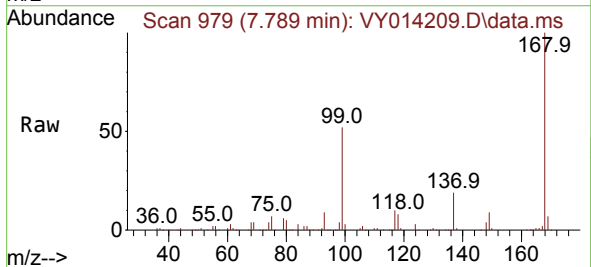
Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-09

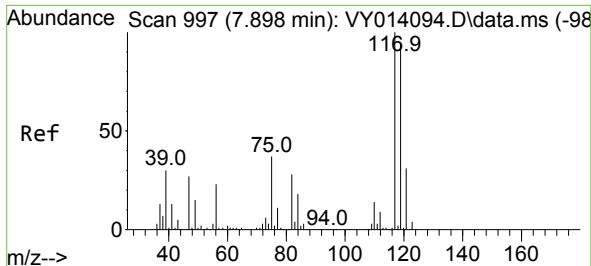
Tgt Ion:113 Resp: 180654
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 21.1 16.9 25.3



#36
1,1-Dichloropropene
Concen: 3.856 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY014209.D
Acq: 16 Jun 2023 17:34

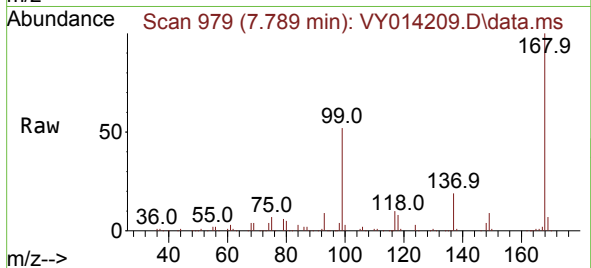
Tgt Ion: 75 Resp: 23695
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.1 24.4 36.6#



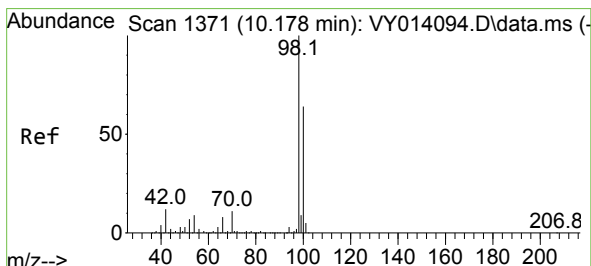
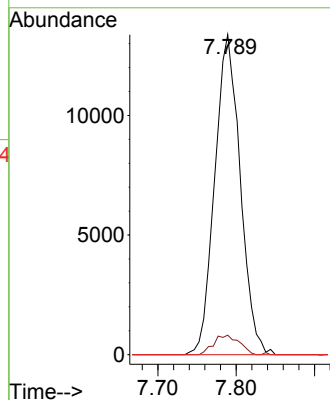
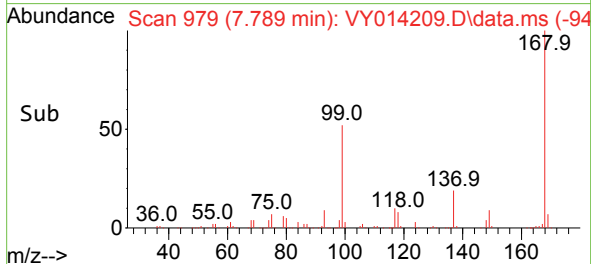


#38
Carbon Tetrachloride
Concen: 4.265 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY014209.D
Acq: 16 Jun 2023 17:34

Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-09

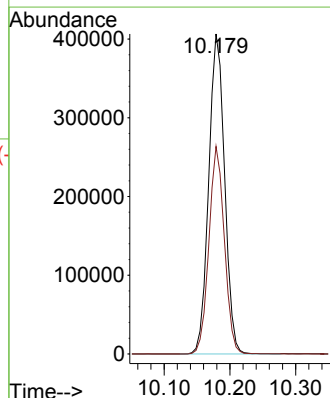
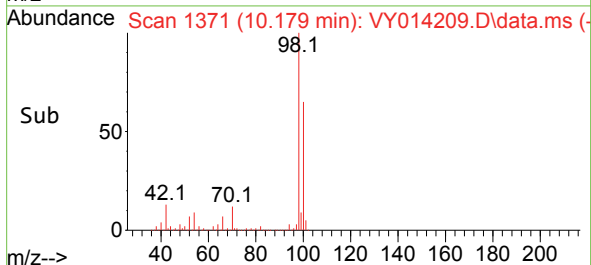
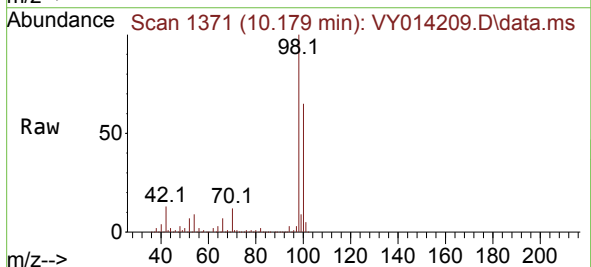


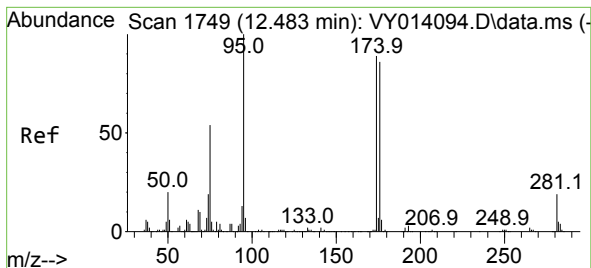
Tgt Ion:117 Resp: 30246
Ion Ratio Lower Upper
117 100
119 6.1 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 46.387 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.001 min
Lab File: VY014209.D
Acq: 16 Jun 2023 17:34

Tgt Ion: 98 Resp: 683542
Ion Ratio Lower Upper
98 100
100 63.0 50.1 75.1

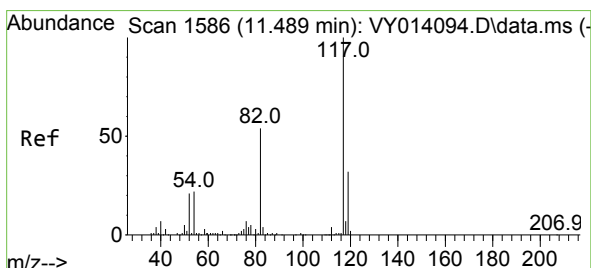
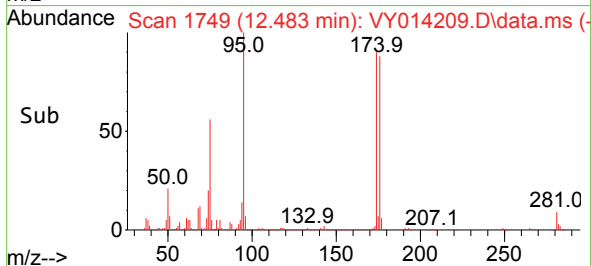
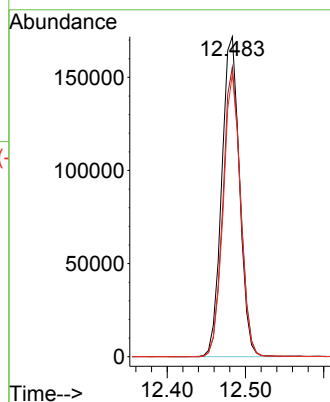
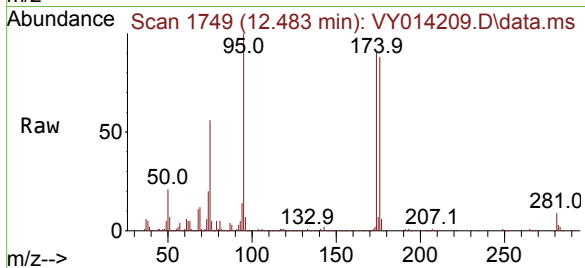




#62
4-Bromofluorobenzene
Concen: 51.850 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014209.D
Acq: 16 Jun 2023 17:34

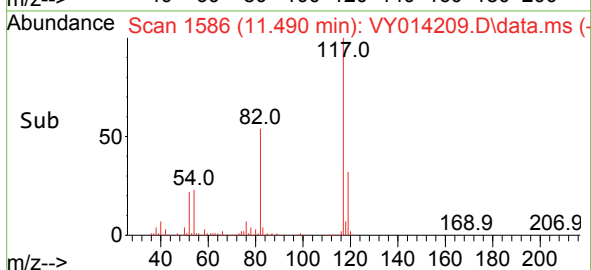
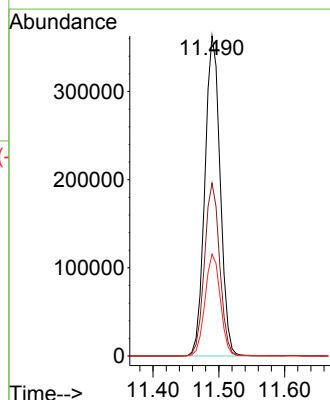
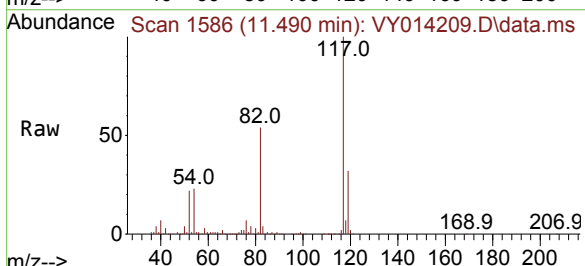
Instrument :
MSVOA_Y
ClientSampleId :
OR-402-VOC-09

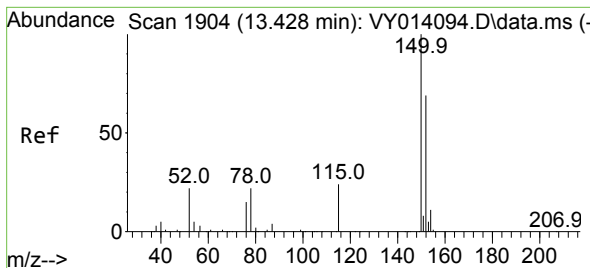
Tgt Ion: 95 Resp: 271411
Ion Ratio Lower Upper
95 100
174 89.7 0.0 178.2
176 86.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014209.D
Acq: 16 Jun 2023 17:34

Tgt Ion: 117 Resp: 587477
Ion Ratio Lower Upper
117 100
82 54.0 43.4 65.0
119 31.8 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY014209.D

Acq: 16 Jun 2023 17:34

Instrument :

MSVOA_Y

ClientSampleId :

OR-402-VOC-09

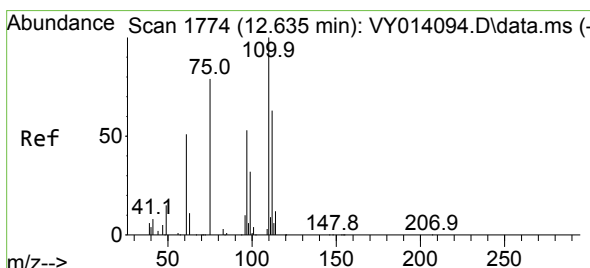
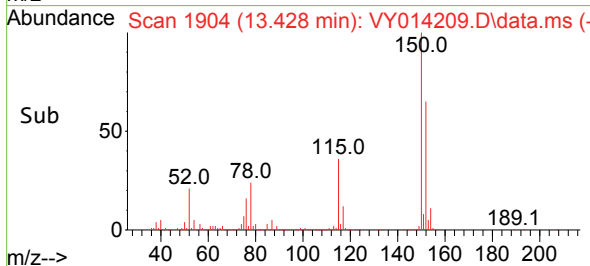
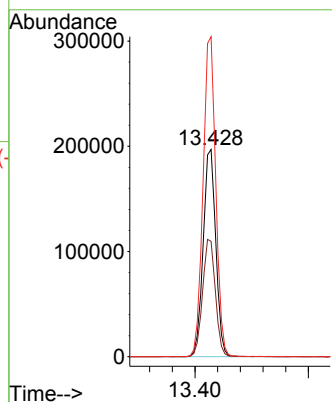
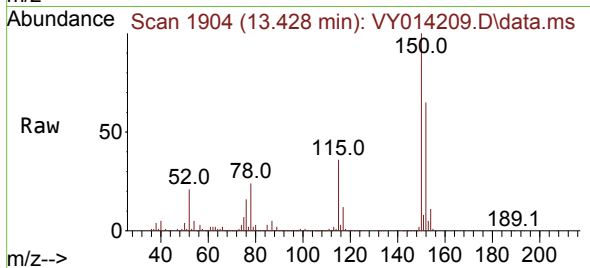
Tgt Ion:152 Resp: 304990

Ion Ratio Lower Upper

152 100

115 57.4 28.8 86.5

150 155.3 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 37.836 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.152 min

Lab File: VY014209.D

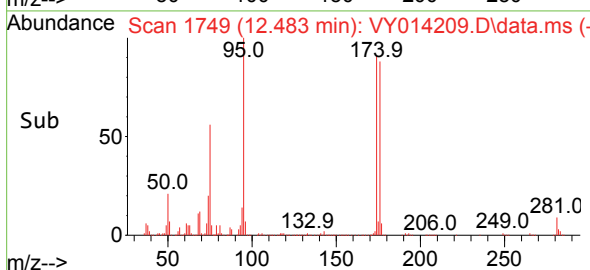
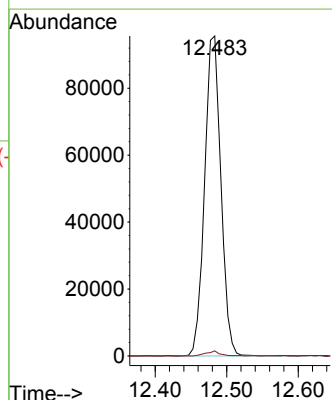
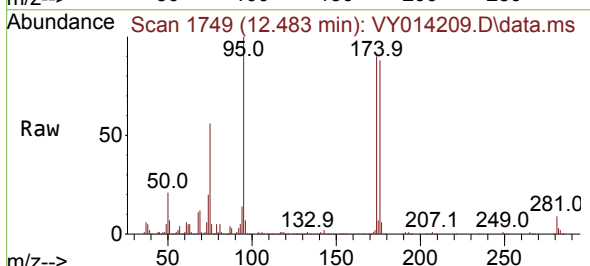
Acq: 16 Jun 2023 17:34

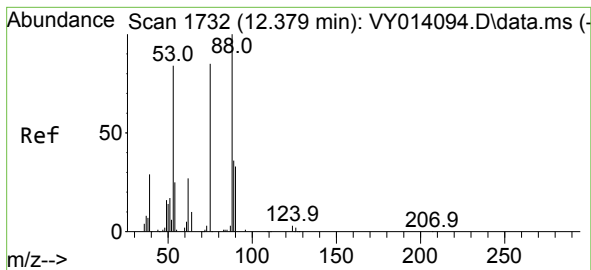
Tgt Ion: 75 Resp: 151396

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.786 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014209.D
 Acq: 16 Jun 2023 17:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-402-VOC-09

Tgt Ion: 75 Resp: 151396
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

