

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020524\
 Data File : VY017231.D
 Acq On : 05 Feb 2024 16:04
 Operator : SY/MD
 Sample : P1307-11RE
 Misc : 4.23g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-614-VOC-02RE

Quant Time: Feb 06 01:01:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020124S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 02 00:56:04 2024
 Response via : Initial Calibration

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

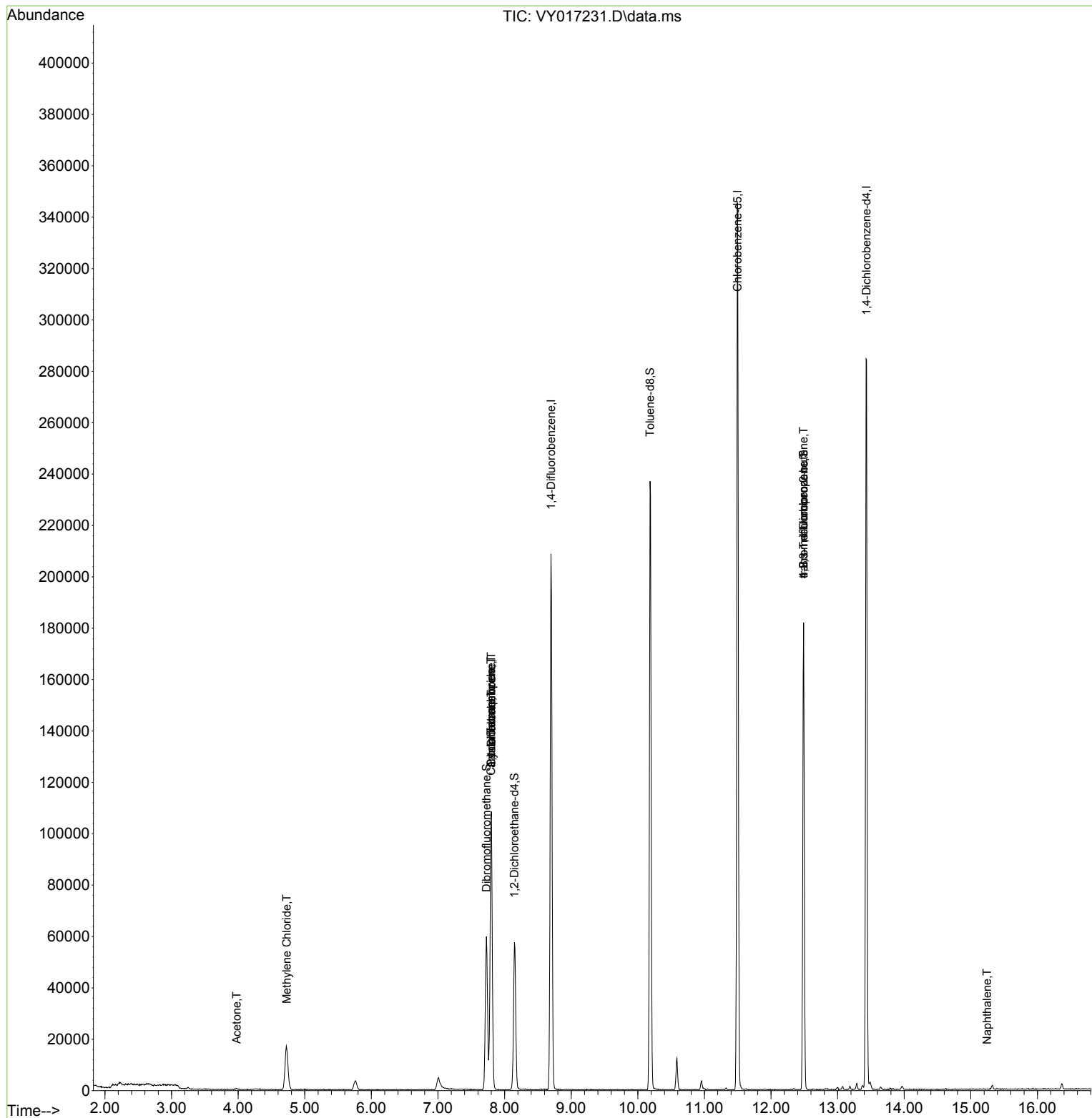
Internal Standards						
1) Pentafluorobenzene	7.801	168	83113	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	178700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	184523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	74211	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	42900	57.779	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.560%
35) Dibromofluoromethane	7.728	113	42632	44.184	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	88.360%
50) Toluene-d8	10.185	98	157191	44.746	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.500%
62) 4-Bromofluorobenzene	12.489	95	54682	47.517	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.040%
Target Compounds						
11) Tert butyl alcohol	4.991	59	181	Below Cal	#	75
16) Acetone	3.979	43	780	3.574	ug/l	91
20) Methylene Chloride	4.728	84	12703	11.516	ug/l	97
31) Cyclohexane	7.801	56	1844	1.232	ug/l	# 1
36) 1,1-Dichloropropene	7.801	75	7023	4.220	ug/l	# 49
38) Carbon Tetrachloride	7.795	117	8641	5.423	ug/l	# 17
76) 1,2,3-Trichloropropane	12.489	75	28769	42.001	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.489	75	28769	87.273	ug/l	# 12
95) Naphthalene	15.245	128	98	3.469	ug/l	# 69

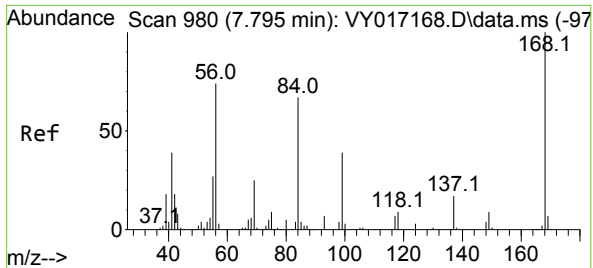
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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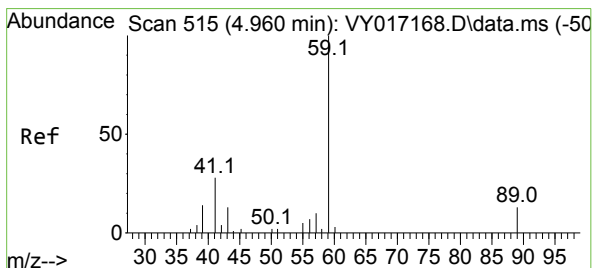
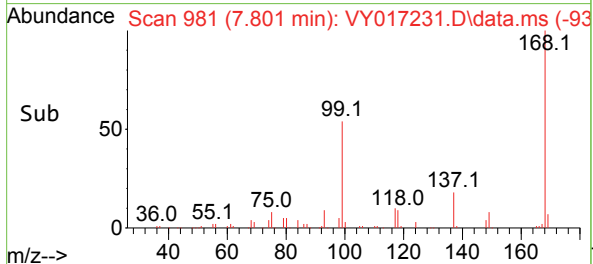
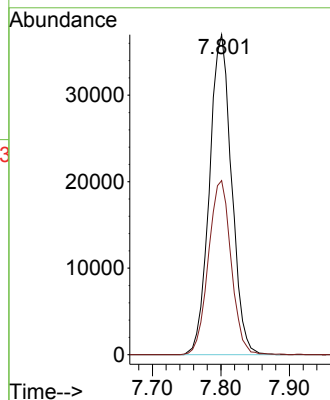
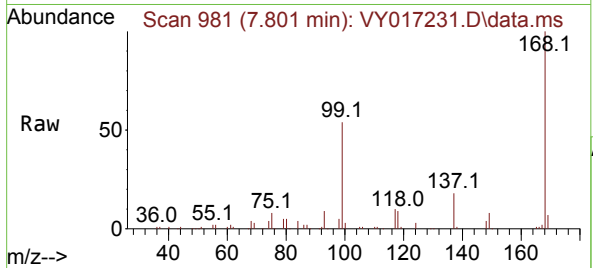




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017231.D
Acq: 05 Feb 2024 16:04

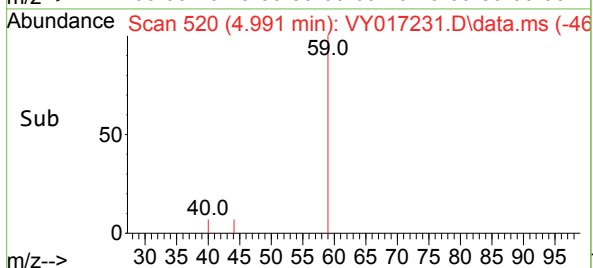
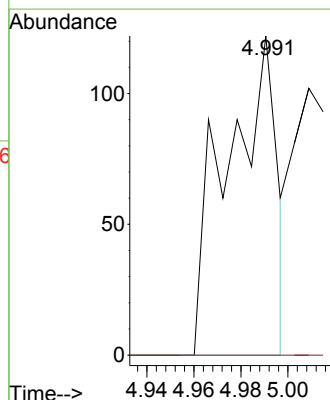
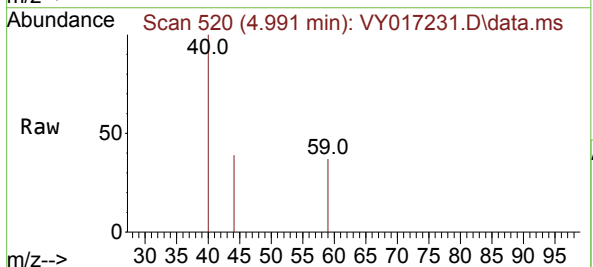
Instrument :
MSVOA_Y
ClientSampleId :
TR-614-VOC-02RE

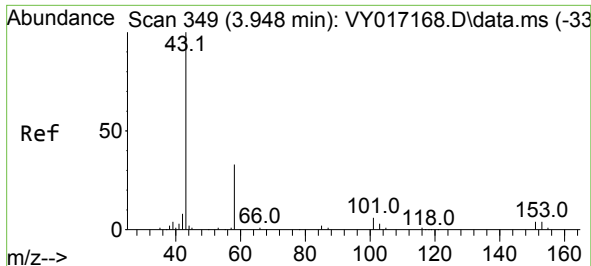
Tgt Ion:168 Resp: 83113
Ion Ratio Lower Upper
168 100
99 54.4 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.991 min Scan# 520
Delta R.T. 0.031 min
Lab File: VY017231.D
Acq: 05 Feb 2024 16:04

Tgt Ion: 59 Resp: 181
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#

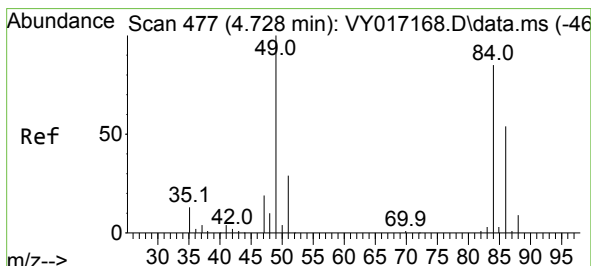
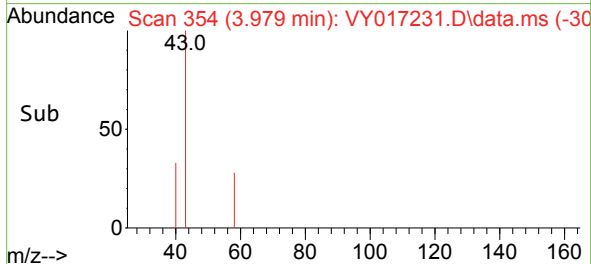
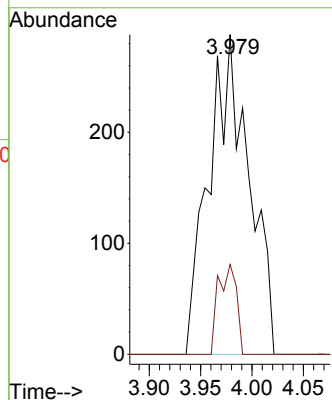
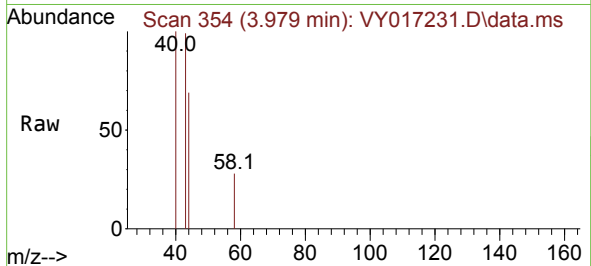




#16
Acetone
Concen: 3.574 ug/l
RT: 3.979 min Scan# 31
Delta R.T. 0.031 min
Lab File: VY017231.D
Acq: 05 Feb 2024 16:04

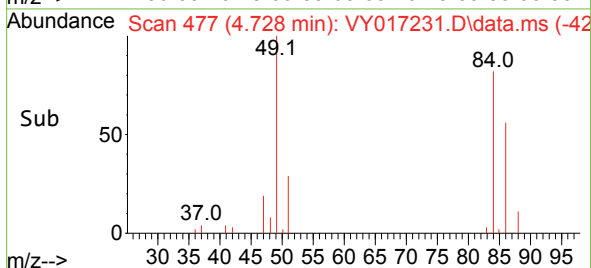
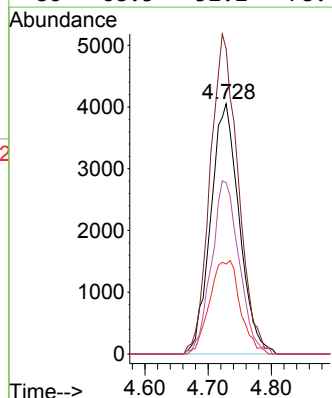
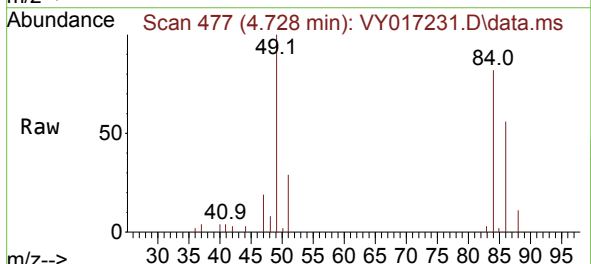
Instrument :
MSVOA_Y
ClientSampleId :
TR-614-VOC-02RE

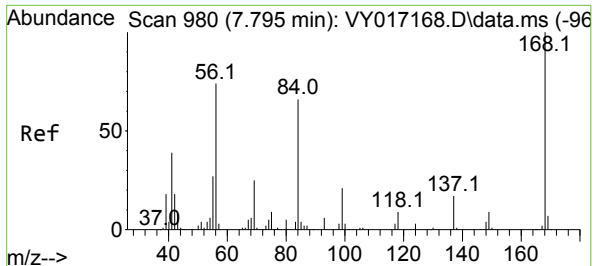
Tgt Ion: 43 Resp: 780
Ion Ratio Lower Upper
43 100
58 28.1 26.6 39.8



#20
Methylene Chloride
Concen: 11.516 ug/l
RT: 4.728 min Scan# 477
Delta R.T. 0.000 min
Lab File: VY017231.D
Acq: 05 Feb 2024 16:04

Tgt Ion: 84 Resp: 12703
Ion Ratio Lower Upper
84 100
49 122.0 95.2 142.8
51 35.9 29.9 44.9
86 68.5 52.2 78.4

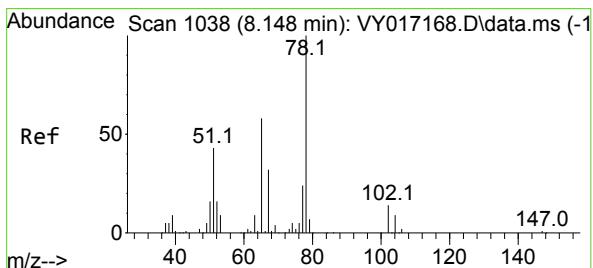
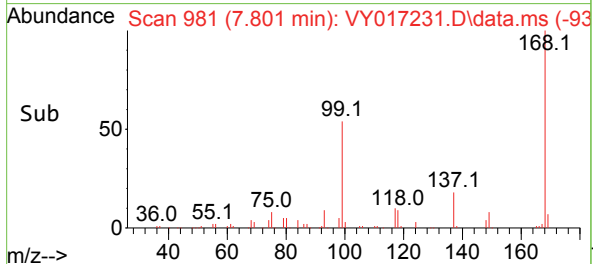
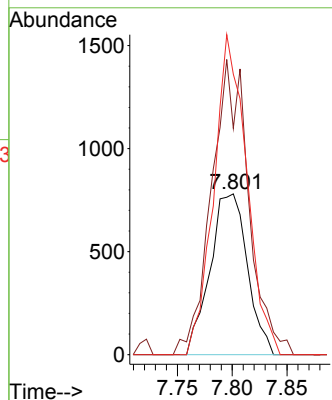
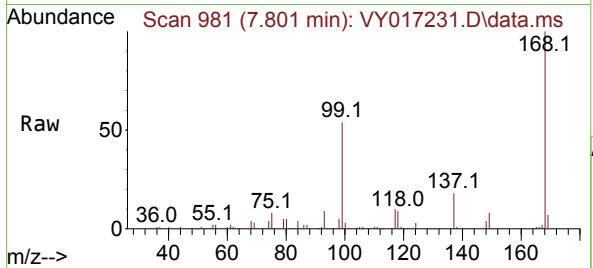




#31
Cyclohexane
Concen: 1.232 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY017231.D
Acq: 05 Feb 2024 16:04

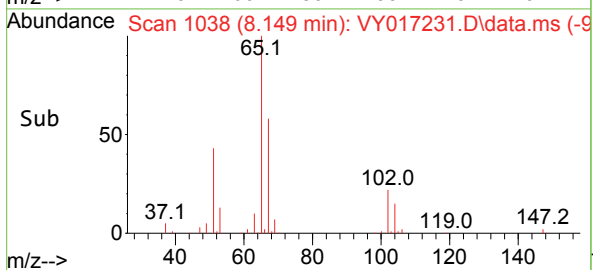
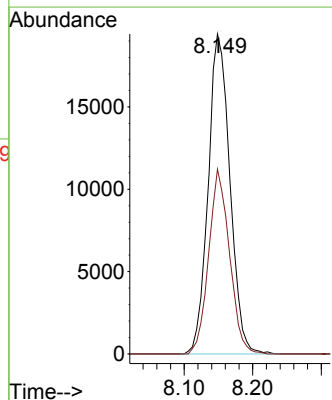
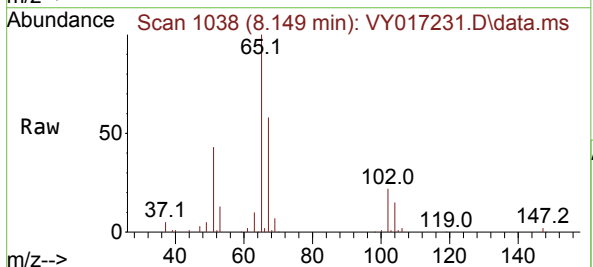
Instrument :
MSVOA_Y
ClientSampleId :
TR-614-VOC-02RE

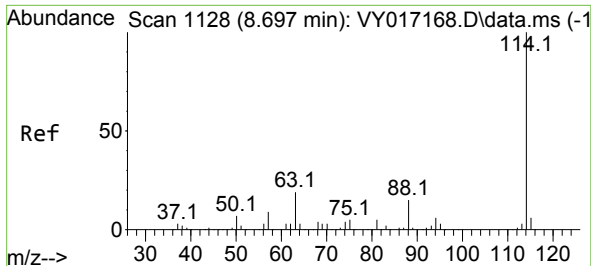
Tgt Ion: 56 Resp: 1844
Ion Ratio Lower Upper
56 100
69 132.7 27.0 40.6#
84 174.5 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 57.779 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY017231.D
Acq: 05 Feb 2024 16:04

Tgt Ion: 65 Resp: 42900
Ion Ratio Lower Upper
65 100
67 55.2 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY017231.D

Acq: 05 Feb 2024 16:04

Instrument :

MSVOA_Y

ClientSampleId :

TR-614-VOC-02RE

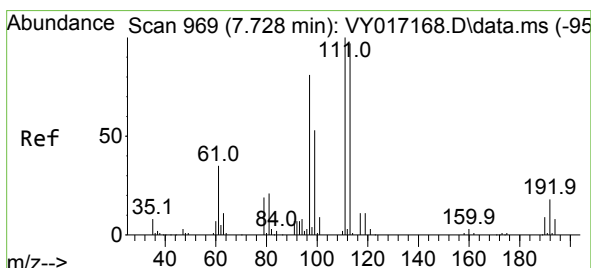
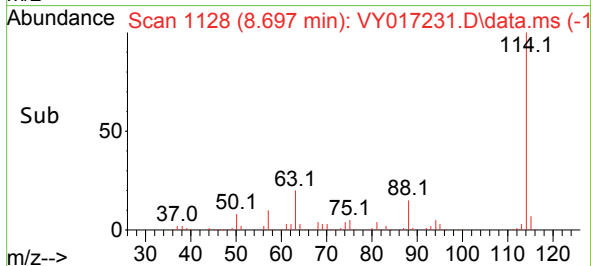
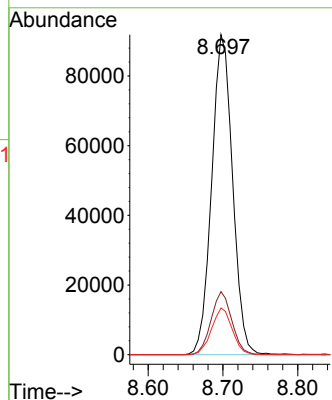
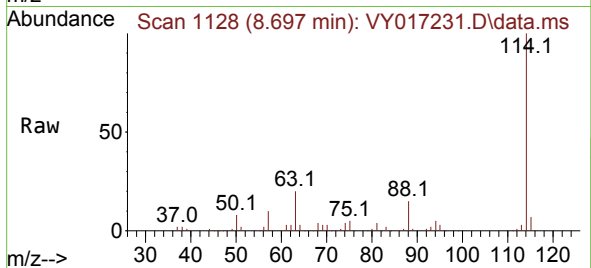
Tgt Ion:114 Resp: 178700

Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.4

88 14.6 0.0 29.0



#35

Dibromofluoromethane

Concen: 44.184 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY017231.D

Acq: 05 Feb 2024 16:04

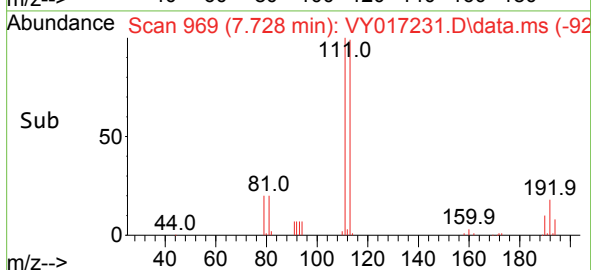
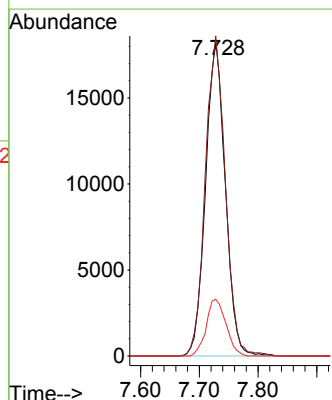
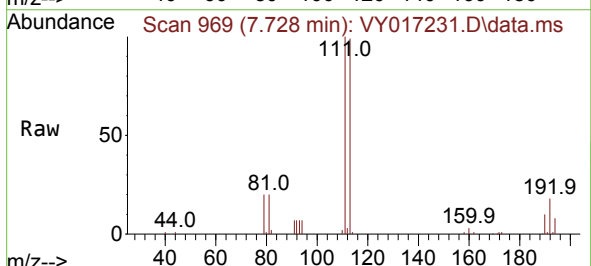
Tgt Ion:113 Resp: 42632

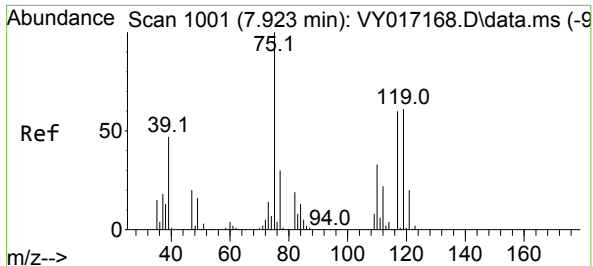
Ion Ratio Lower Upper

113 100

111 103.4 83.8 125.6

192 18.1 14.5 21.7

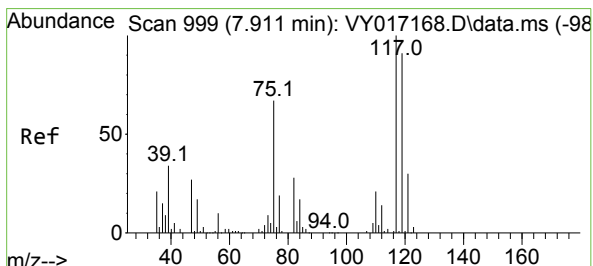
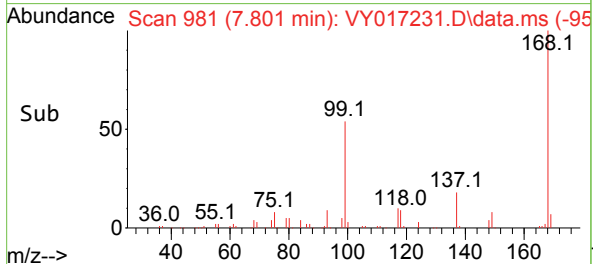
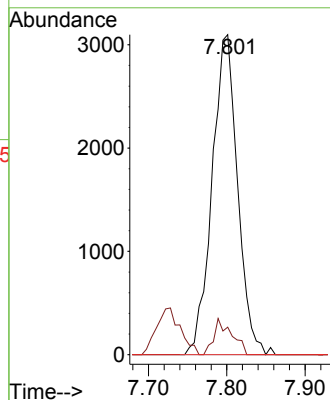
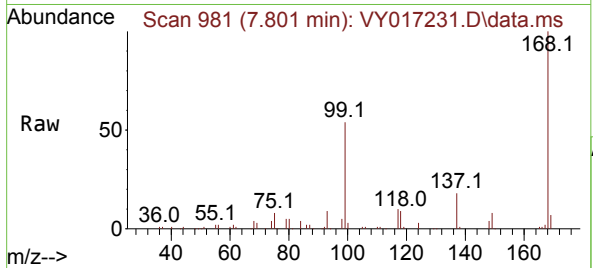




#36
 1,1-Dichloropropene
 Concen: 4.220 ug/l
 RT: 7.801 min Scan# 91
 Delta R.T. -0.122 min
 Lab File: VY017231.D
 Acq: 05 Feb 2024 16:04

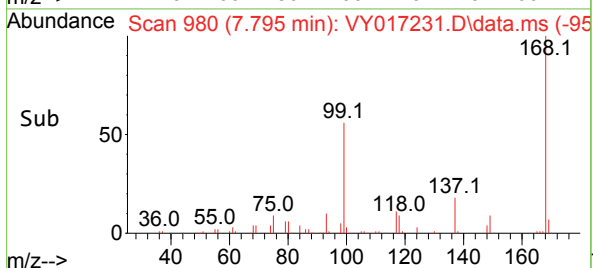
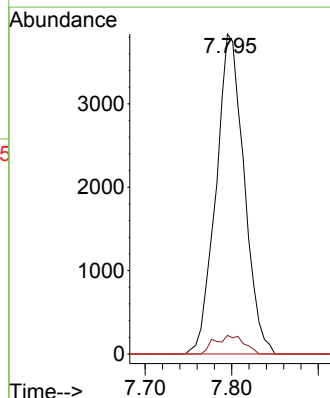
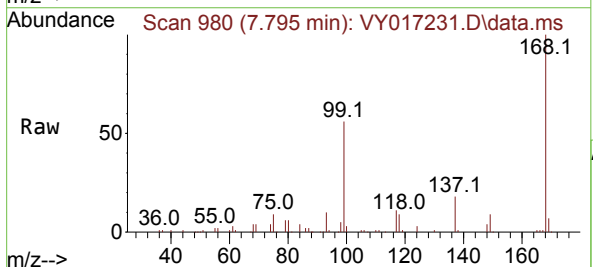
Instrument :
 MSVOA_Y
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 TR-614-VOC-02RE

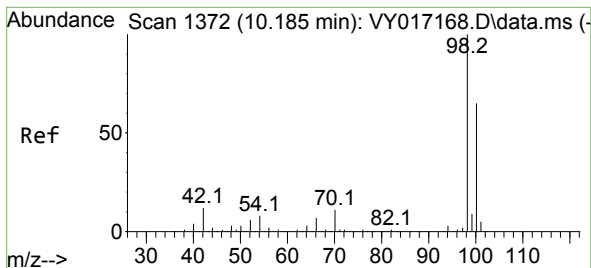
Tgt Ion: 75 Resp: 7023
 Ion Ratio Lower Upper
 75 100
 110 7.9 17.4 52.3#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 5.423 ug/l
 RT: 7.795 min Scan# 980
 Delta R.T. -0.116 min
 Lab File: VY017231.D
 Acq: 05 Feb 2024 16:04

Tgt Ion: 117 Resp: 8641
 Ion Ratio Lower Upper
 117 100
 119 5.8 76.0 114.0#
 121 0.0 24.2 36.2#





#50

Toluene-d8

Concen: 44.746 ug/l

RT: 10.185 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY017231.D

Acq: 05 Feb 2024 16:04

Instrument :

MSVOA_Y

ClientSampleId :

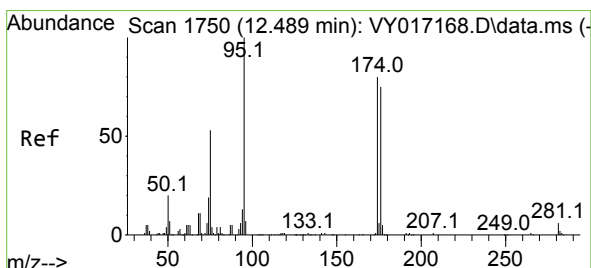
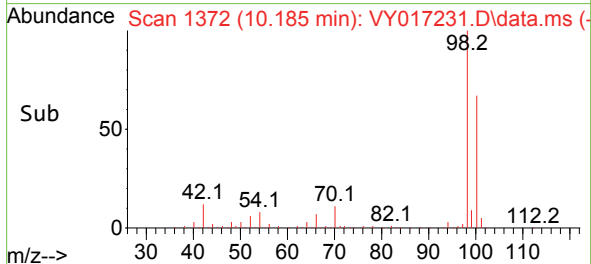
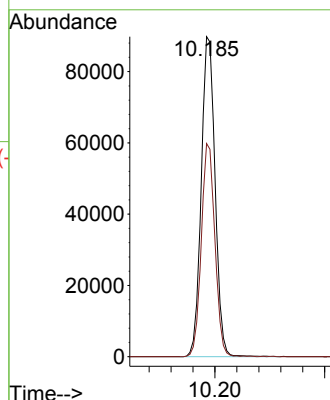
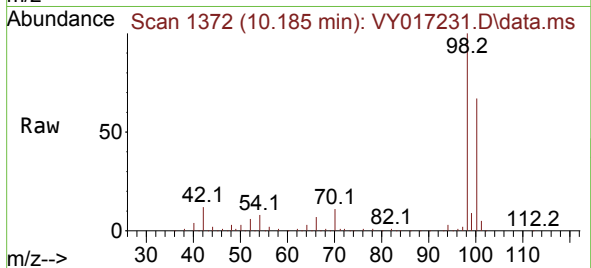
TR-614-VOC-02RE

Tgt Ion: 98 Resp: 157191

Ion Ratio Lower Upper

98 100

100 65.5 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 47.517 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.000 min

Lab File: VY017231.D

Acq: 05 Feb 2024 16:04

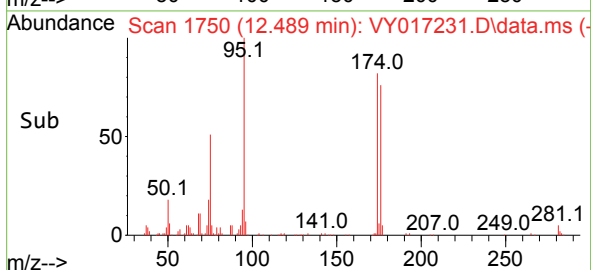
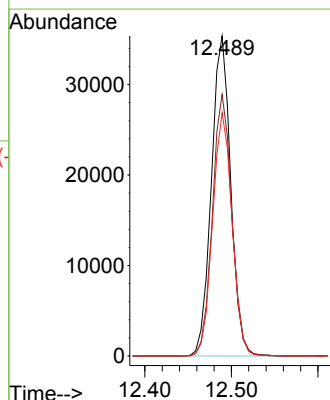
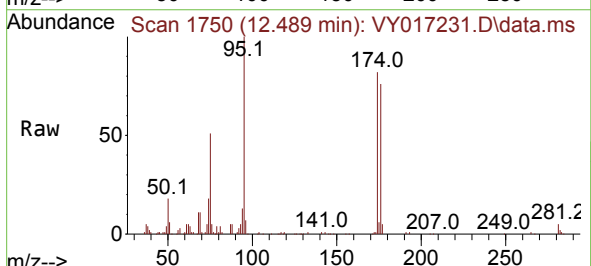
Tgt Ion: 95 Resp: 54682

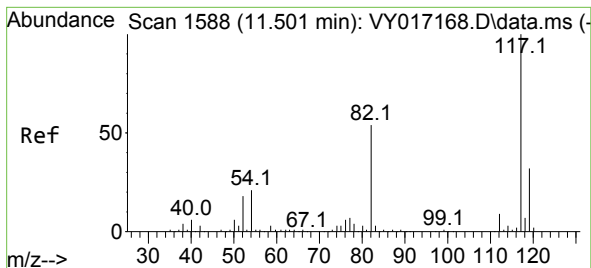
Ion Ratio Lower Upper

95 100

174 82.1 0.0 160.0

176 76.6 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017231.D

Acq: 05 Feb 2024 16:04

Instrument :

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TR-614-VOC-02RE

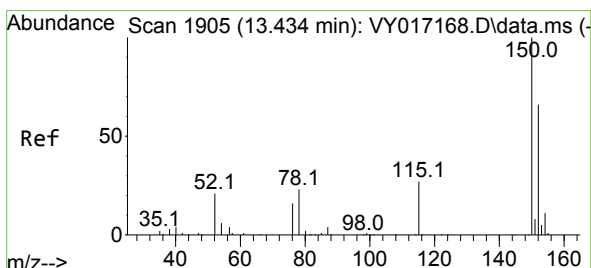
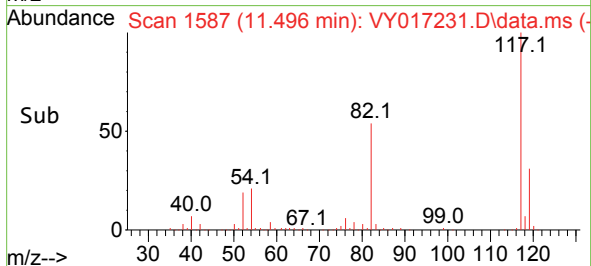
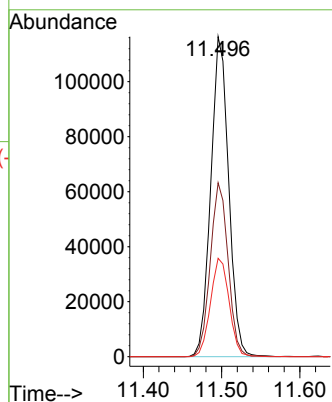
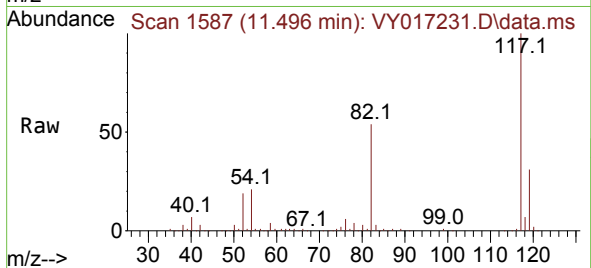
Tgt Ion:117 Resp: 184523

Ion Ratio Lower Upper

117 100

82 54.4 43.8 65.8

119 30.8 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017231.D

Acq: 05 Feb 2024 16:04

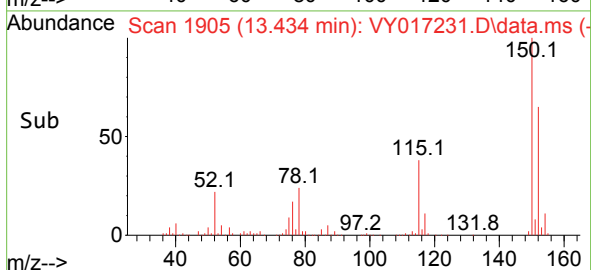
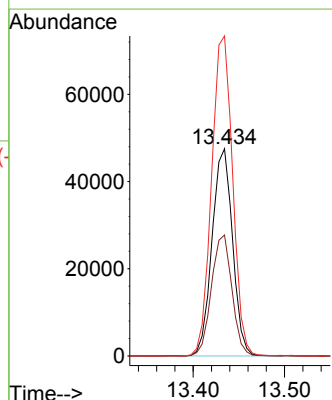
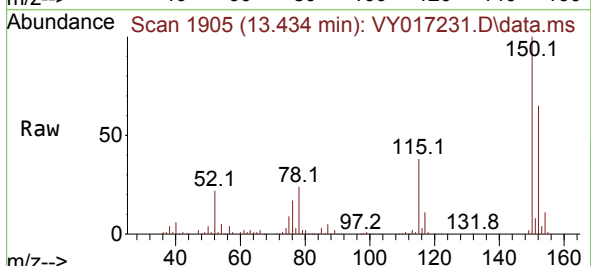
Tgt Ion:152 Resp: 74211

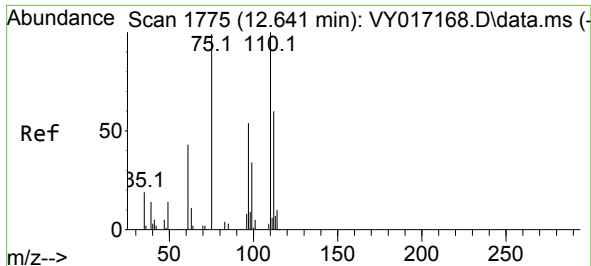
Ion Ratio Lower Upper

152 100

115 58.3 30.0 90.0

150 158.0 0.0 344.6

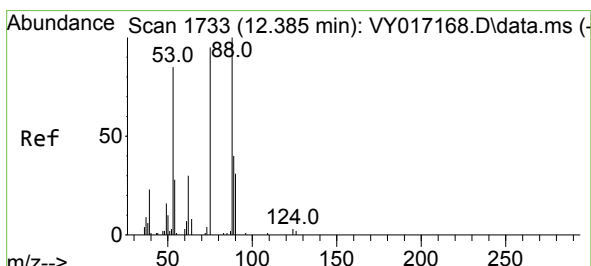
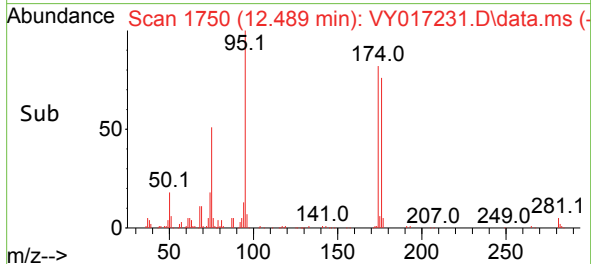
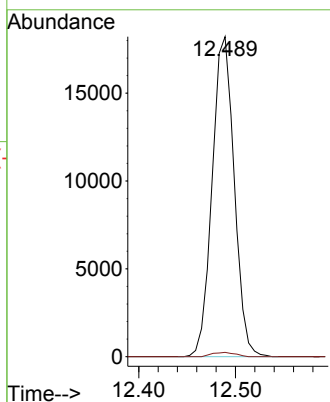
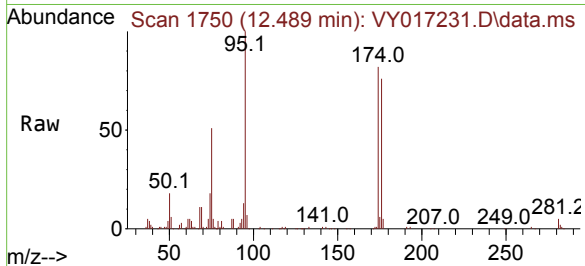




#76
1,2,3-Trichloropropane
Concen: 42.001 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.152 min
Lab File: VY017231.D
Acq: 05 Feb 2024 16:04

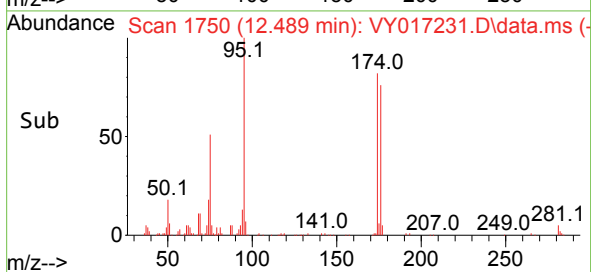
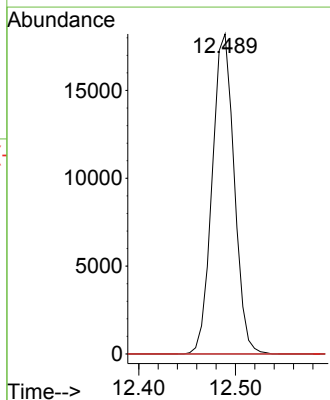
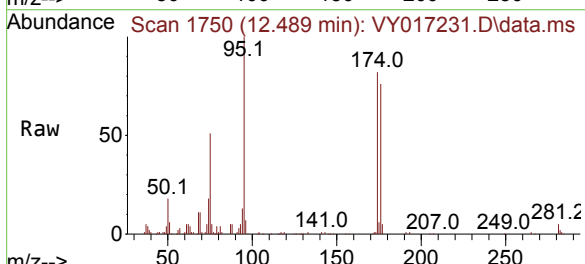
Instrument :
MSVOA_Y
ClientSampleId :
TR-614-VOC-02RE

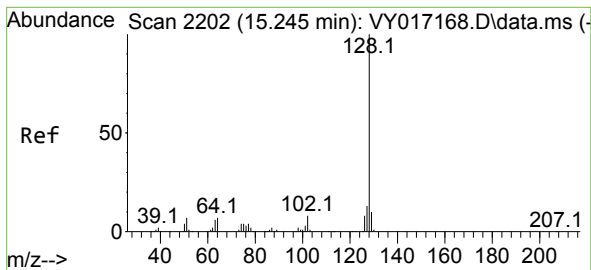
Tgt Ion: 75 Resp: 28769
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 87.273 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.104 min
Lab File: VY017231.D
Acq: 05 Feb 2024 16:04

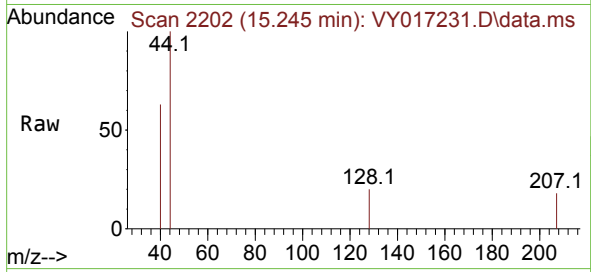
Tgt Ion: 75 Resp: 28769
Ion Ratio Lower Upper
75 100
53 0.0 74.0 111.0#
89 0.0 36.5 54.7#





#95
Naphthalene
Concen: 3.469 ug/l
RT: 15.245 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY017231.D
Acq: 05 Feb 2024 16:04

Instrument :
MSVOA_Y
ClientSampleId :
TR-614-VOC-02RE



Tgt Ion:128 Resp: 98
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.6 12.8#

