

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030724\
 Data File : VY017609.D
 Acq On : 07 Mar 2024 17:56
 Operator : SY/MD
 Sample : P1705-03
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

Quant Time: Mar 08 03:28:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022324S.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 24 04:41:20 2024
 Response via : Initial Calibration

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

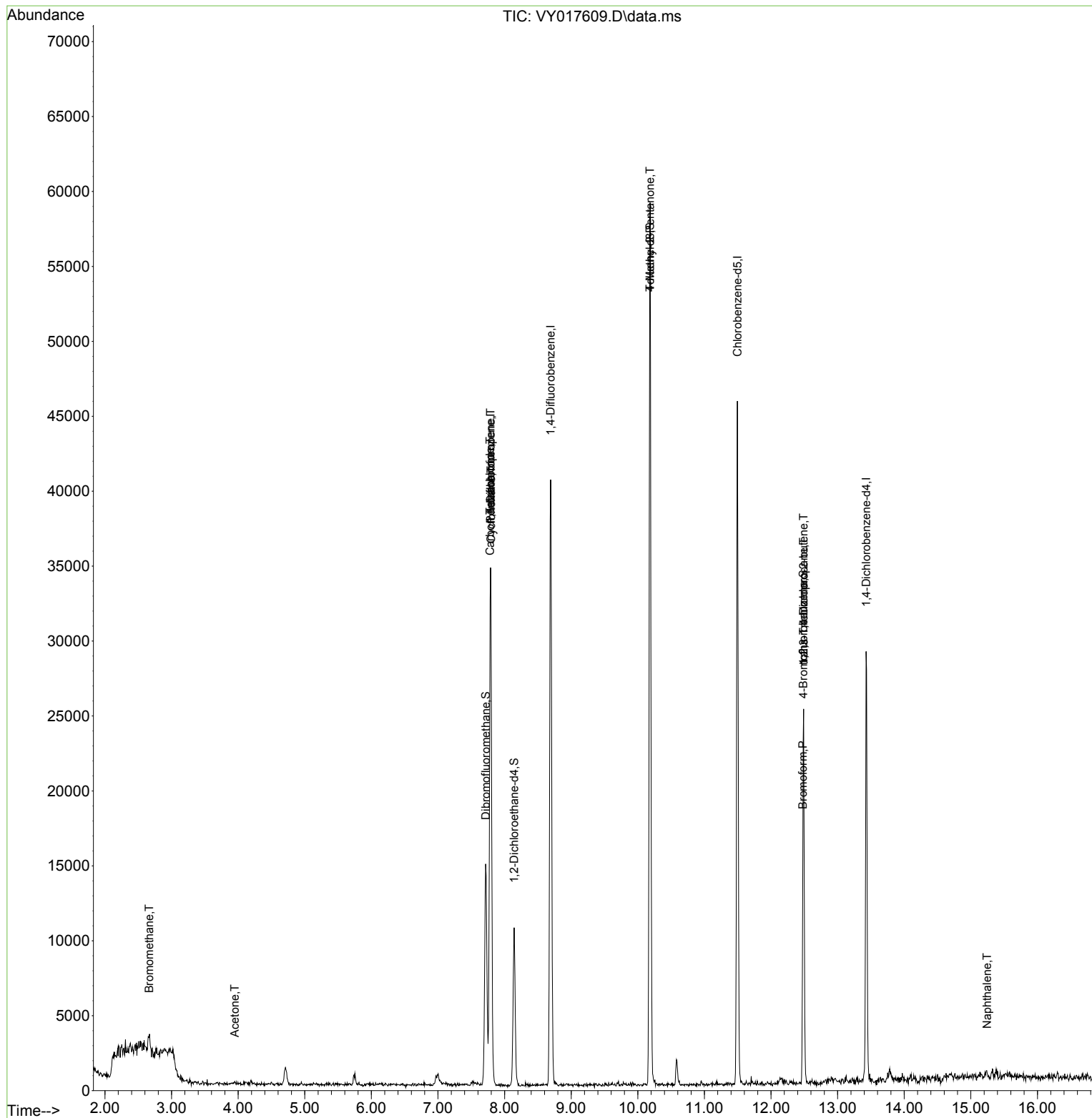
Internal Standards						
1) Pentafluorobenzene	7.789	168	29047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	38425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	26916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	7739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	7961	28.919	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	57.840%
35) Dibromofluoromethane	7.716	113	11051	41.272	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.540%
50) Toluene-d8	10.185	98	41586	44.421	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.840%
62) 4-Bromofluorobenzene	12.483	95	7920	26.919	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	53.840%
Target Compounds						Qvalue
5) Bromomethane	2.662	94	463	1.131	ug/l	99
16) Acetone	3.948	43	250	4.682	ug/l #	36
20) Methylene Chloride	4.710	84	942	Below Cal		96
31) Cyclohexane	7.795	56	548	1.223	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	2167	5.998	ug/l #	45
38) Carbon Tetrachloride	7.783	117	2625	7.250	ug/l #	13
51) 4-Methyl-2-Pentanone	10.185	43	165	1.181	ug/l #	1
71) Bromoform	12.477	173	121	1.020	ug/l #	27
76) 1,2,3-Trichloropropane	12.489	75	3700	50.318	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	3700	115.620	ug/l #	16
95) Naphthalene	15.245	128	647	6.379	ug/l #	77

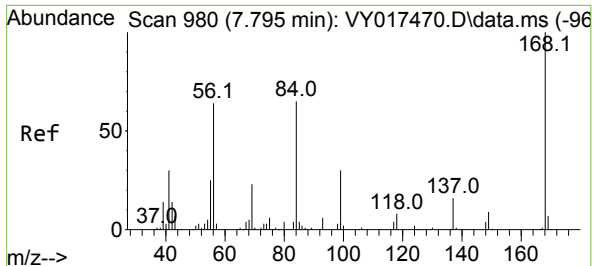
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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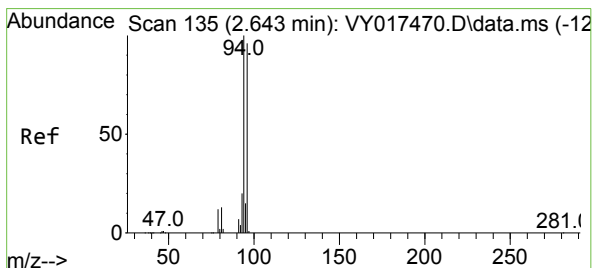
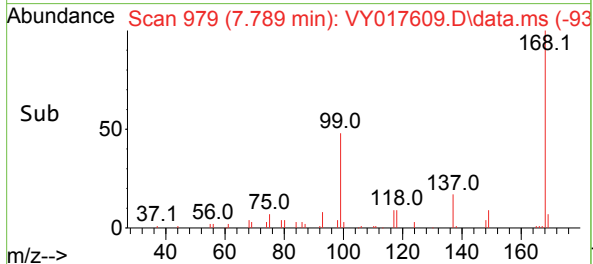
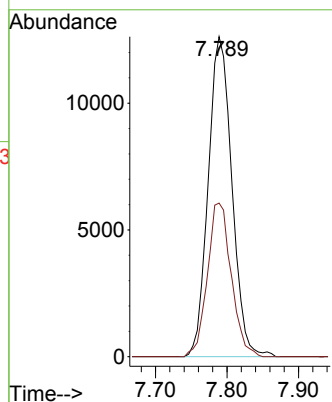
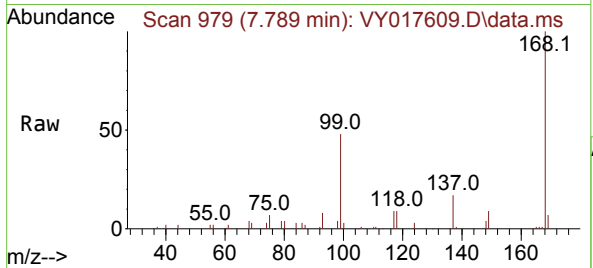




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY017609.D
Acq: 07 Mar 2024 17:56

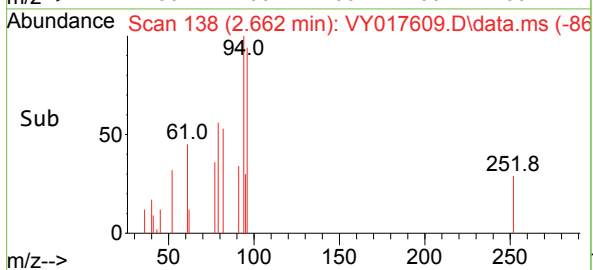
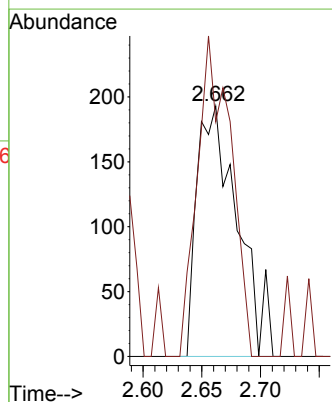
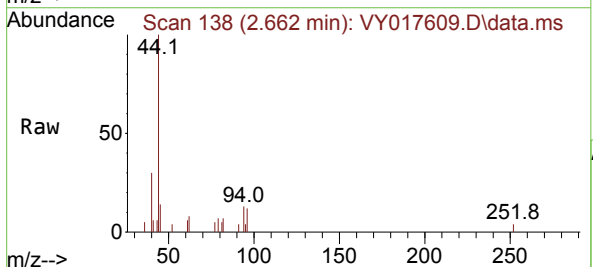
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

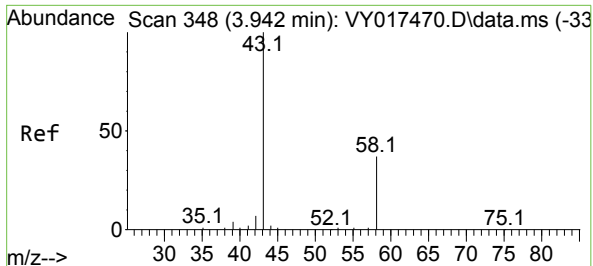
Tgt Ion:168 Resp: 29047
Ion Ratio Lower Upper
168 100
99 48.0 39.1 58.7



#5
Bromomethane
Concen: 1.131 ug/l
RT: 2.662 min Scan# 138
Delta R.T. 0.018 min
Lab File: VY017609.D
Acq: 07 Mar 2024 17:56

Tgt Ion: 94 Resp: 463
Ion Ratio Lower Upper
94 100
96 93.8 74.1 111.1





#16

Acetone

Concen: 4.682 ug/l

RT: 3.948 min Scan# 348

Delta R.T. 0.006 min

Lab File: VY017609.D

Acq: 07 Mar 2024 17:56

Instrument :

MSVOA_Y

ClientSampleId :

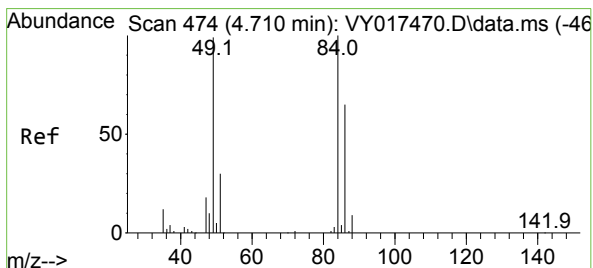
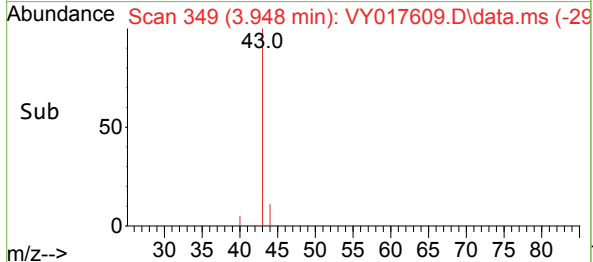
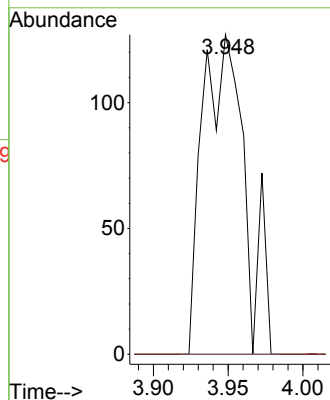
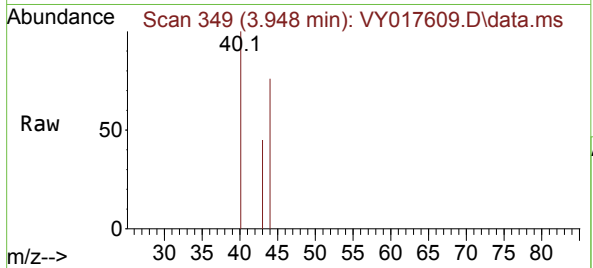
TP-2

Tgt Ion: 43 Resp: 250

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY017609.D

Acq: 07 Mar 2024 17:56

Tgt Ion: 84 Resp: 942

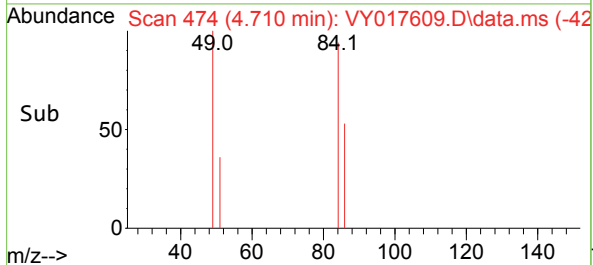
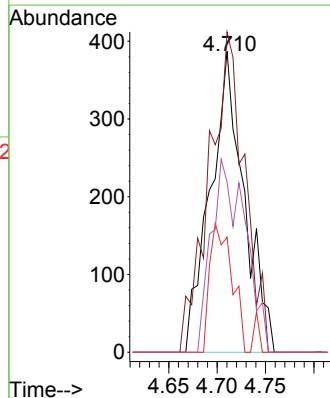
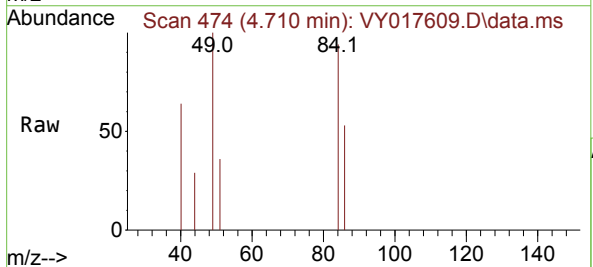
Ion Ratio Lower Upper

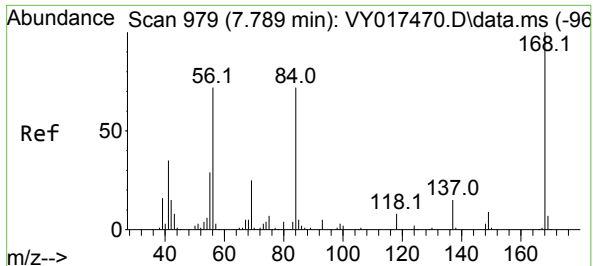
84 100

49 106.5 84.4 126.6

51 38.2 26.0 39.0

86 56.6 49.5 74.3

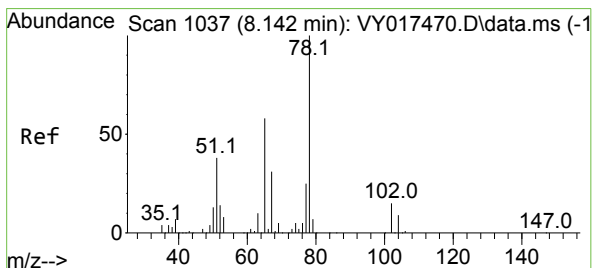
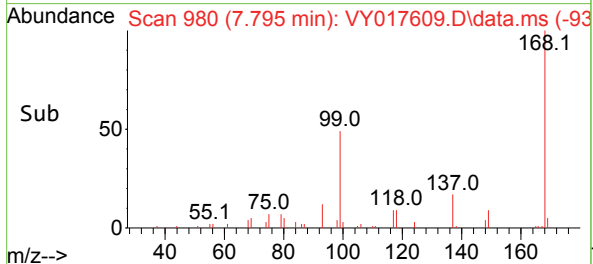
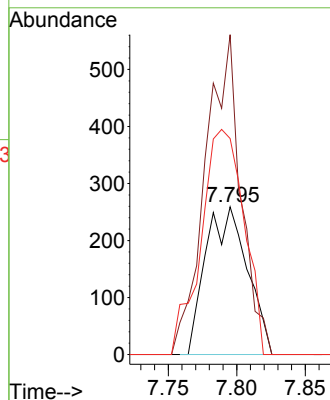
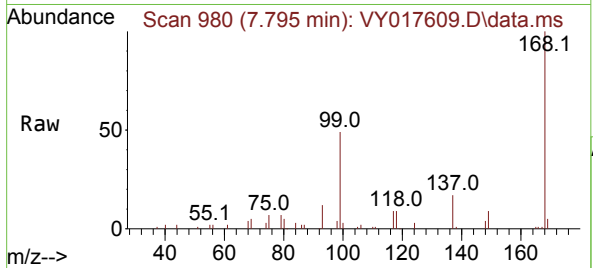




#31
Cyclohexane
Concen: 1.223 ug/l
RT: 7.795 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY017609.D
Acq: 07 Mar 2024 17:56

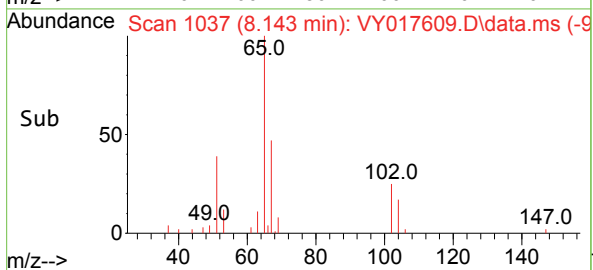
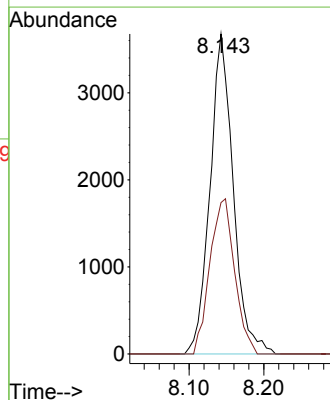
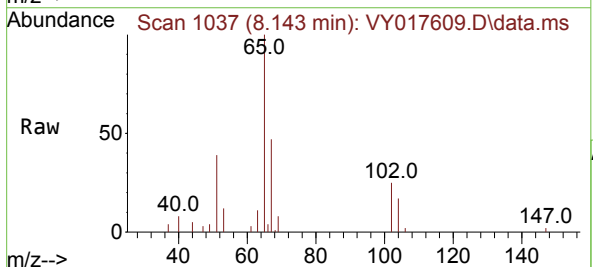
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

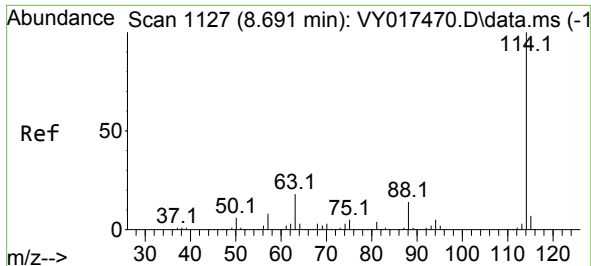
Tgt Ion: 56 Resp: 548
Ion Ratio Lower Upper
56 100
69 216.6 28.7 43.1#
84 146.3 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 28.919 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY017609.D
Acq: 07 Mar 2024 17:56

Tgt Ion: 65 Resp: 7961
Ion Ratio Lower Upper
65 100
67 51.5 0.0 109.6

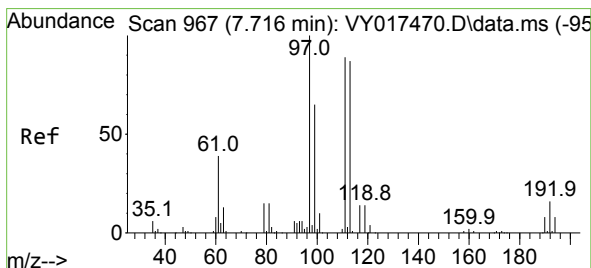
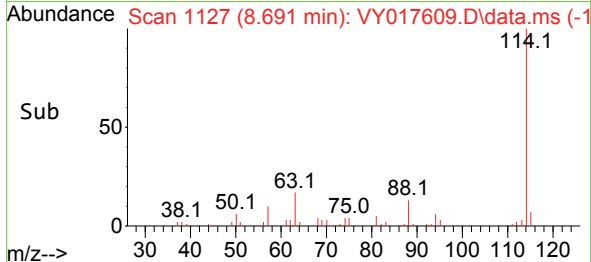
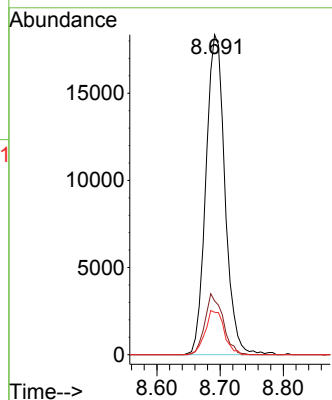
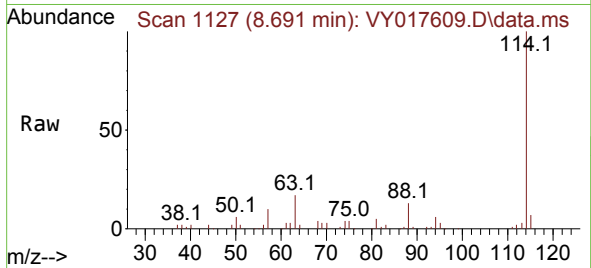




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY017609.D
Acq: 07 Mar 2024 17:56

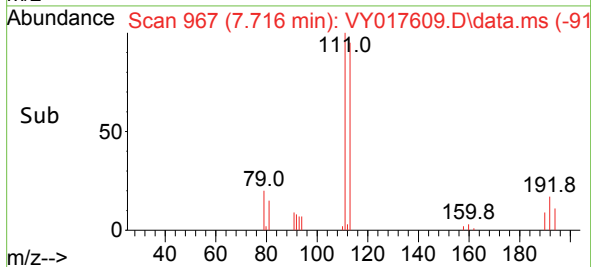
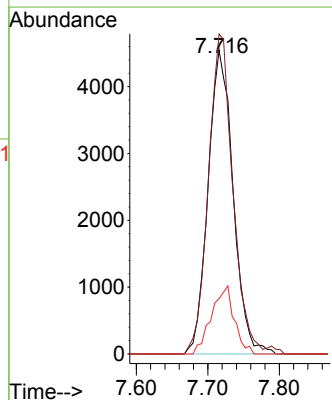
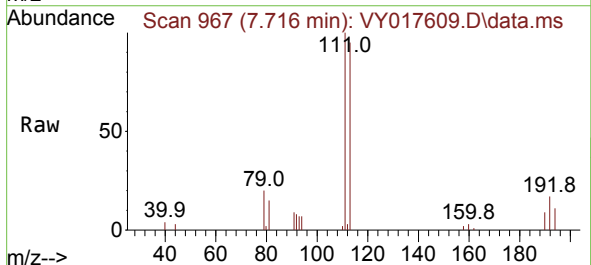
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

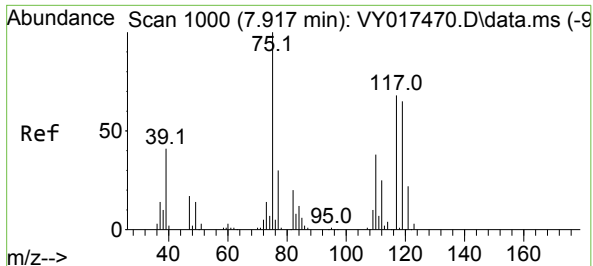
Tgt Ion:114 Resp: 38425
Ion Ratio Lower Upper
114 100
63 16.8 0.0 35.0
88 13.2 0.0 27.2



#35
Dibromofluoromethane
Concen: 41.272 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY017609.D
Acq: 07 Mar 2024 17:56

Tgt Ion:113 Resp: 11051
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 20.3 15.9 23.9

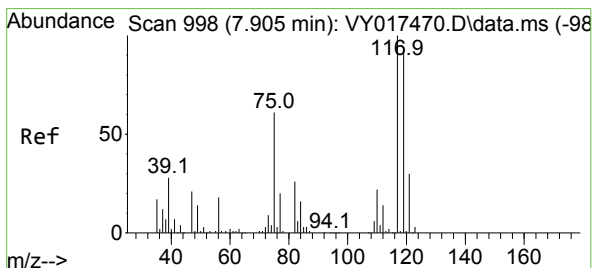
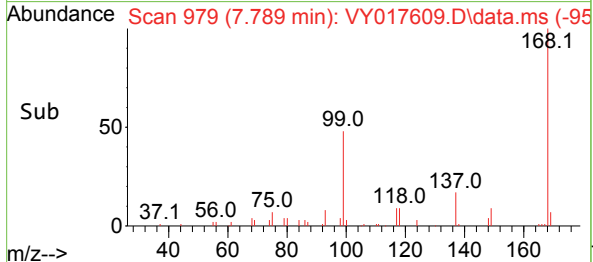
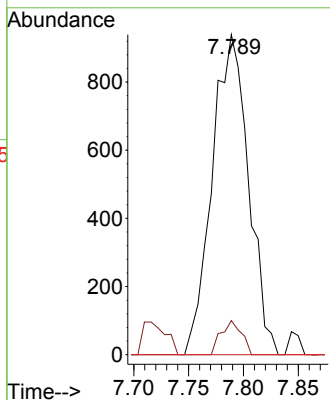
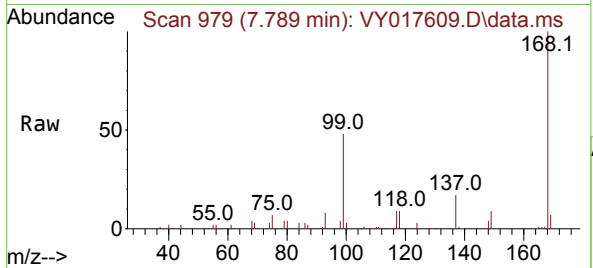




#36
 1,1-Dichloropropene
 Concen: 5.998 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY017609.D
 Acq: 07 Mar 2024 17:56

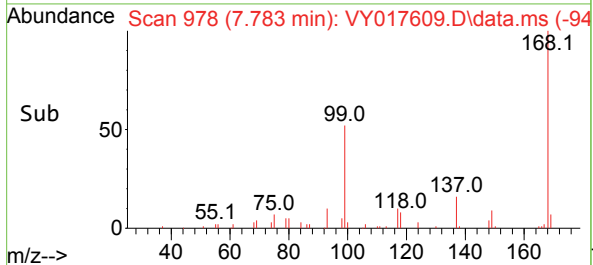
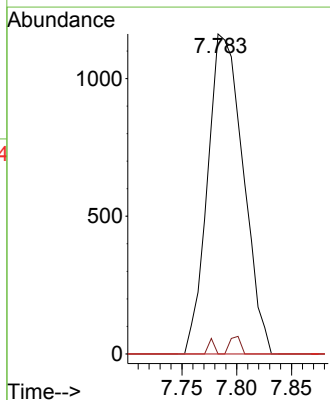
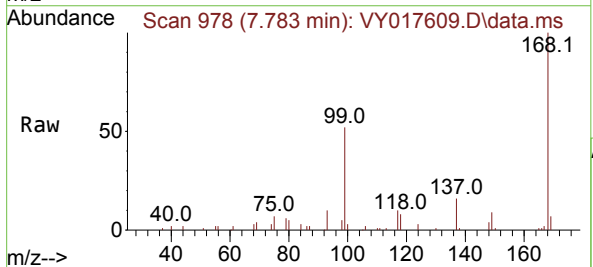
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2

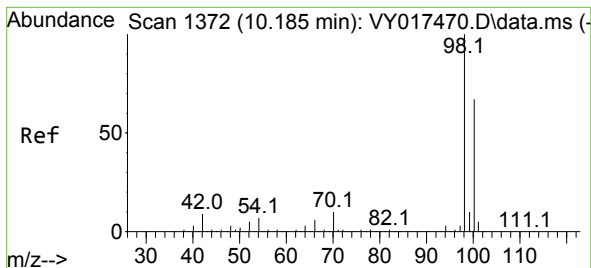
Tgt Ion: 75 Resp: 2167
 Ion Ratio Lower Upper
 75 100
 110 6.0 19.0 57.0#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 7.250 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.122 min
 Lab File: VY017609.D
 Acq: 07 Mar 2024 17:56

Tgt Ion: 117 Resp: 2625
 Ion Ratio Lower Upper
 117 100
 119 0.0 75.8 113.6#
 121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 44.421 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.000 min

Lab File: VY017609.D

Acq: 07 Mar 2024 17:56

Instrument :

MSVOA_Y

ClientSampleId :

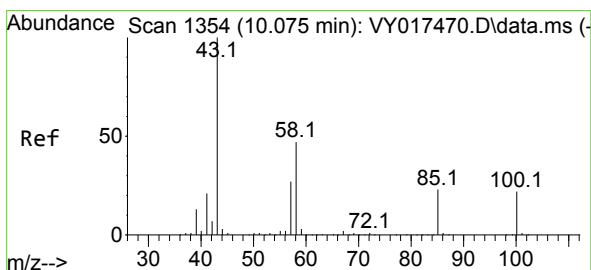
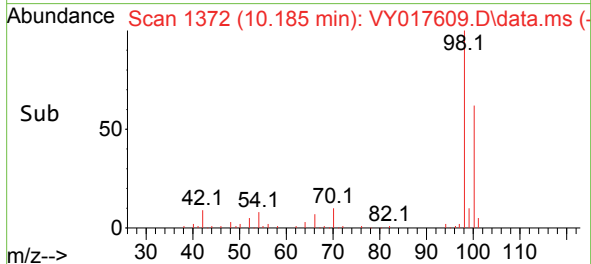
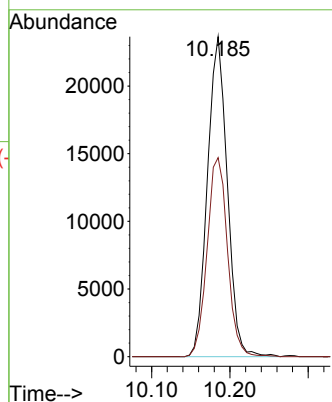
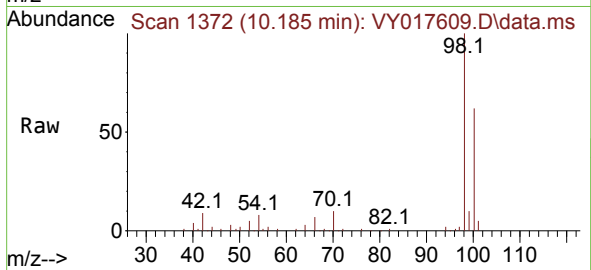
TP-2

Tgt Ion: 98 Resp: 41586

Ion Ratio Lower Upper

98 100

100 64.0 52.0 78.0



#51

4-Methyl-2-Pentanone

Concen: 1.181 ug/l

RT: 10.185 min Scan# 1372

Delta R.T. 0.110 min

Lab File: VY017609.D

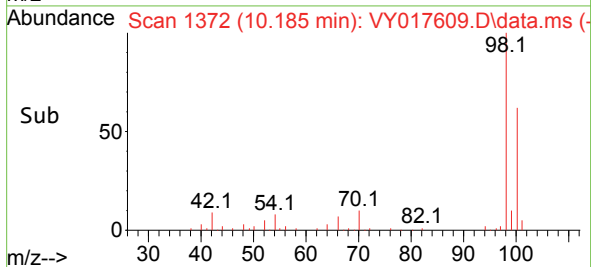
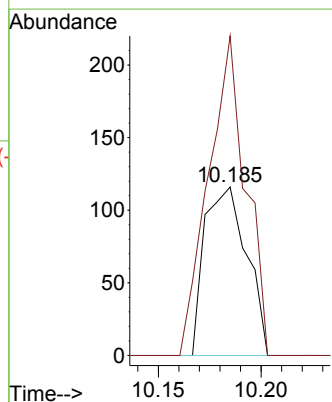
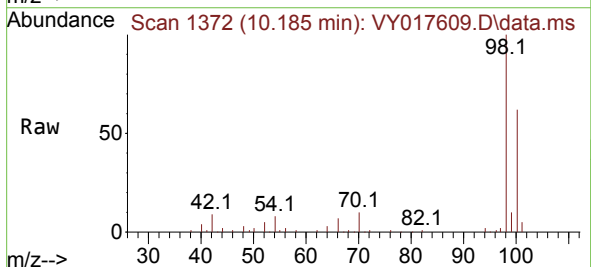
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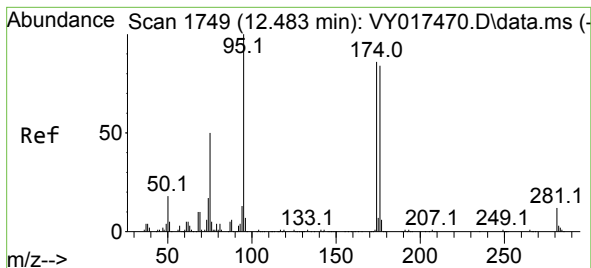
Tgt Ion: 43 Resp: 165

Ion Ratio Lower Upper

43 100

58 168.5 35.7 53.5#

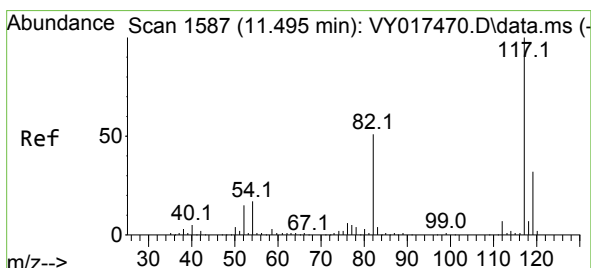
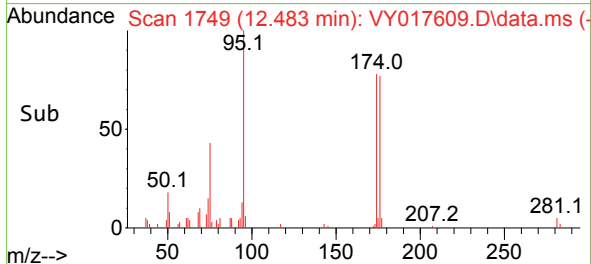
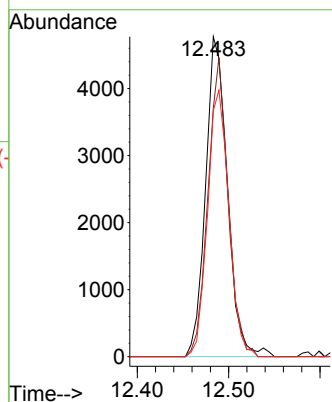
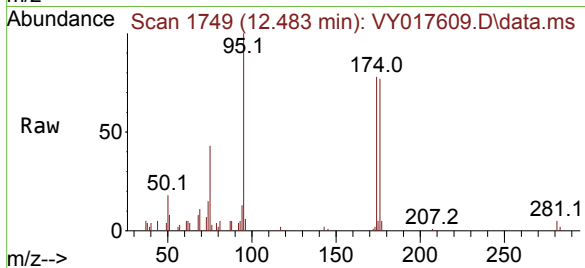




#62
4-Bromofluorobenzene
Concen: 26.919 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY017609.D
Acq: 07 Mar 2024 17:56

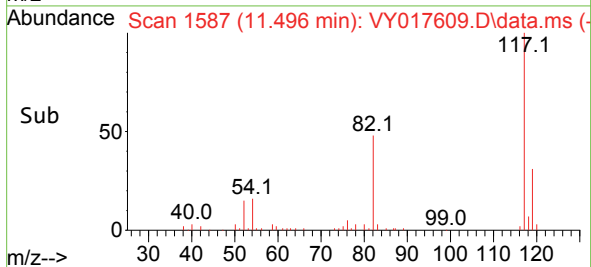
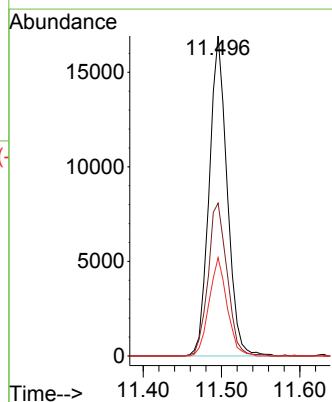
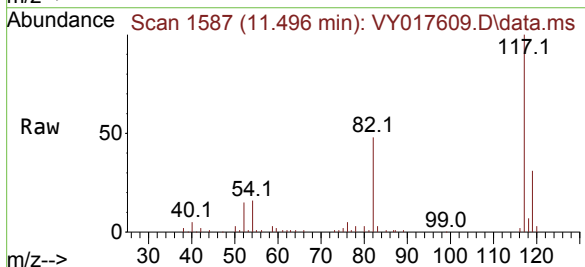
Instrument :
MSVOA_Y
ClientSampleId :
TP-2

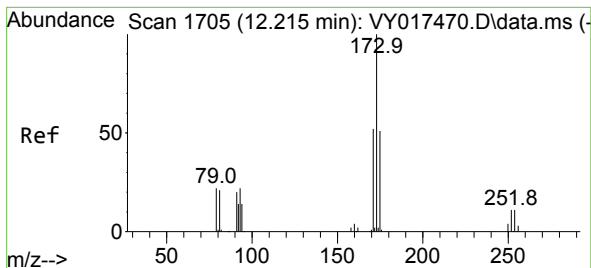
Tgt Ion:	95	Resp:	7920
Ion Ratio	Lower	Upper	
95	100		
174	86.2	0.0	175.6
176	81.3	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY017609.D
Acq: 07 Mar 2024 17:56

Tgt Ion:	117	Resp:	26916
Ion Ratio	Lower	Upper	
117	100		
82	47.7	42.4	63.6
119	30.7	25.9	38.9





#71

Bromoform

Concen: 1.020 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.262 min

Lab File: VY017609.D

Acq: 07 Mar 2024 17:56

Instrument :

MSVOA_Y

ClientSampleId :

TP-2

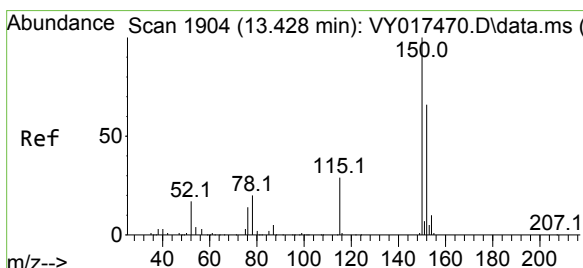
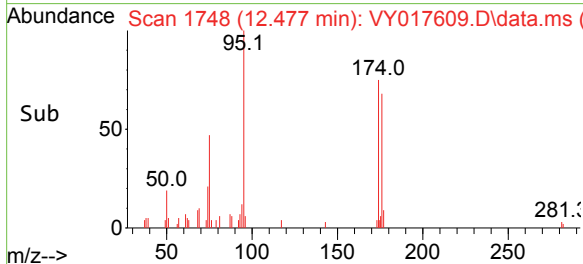
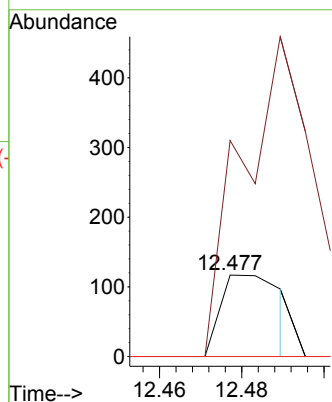
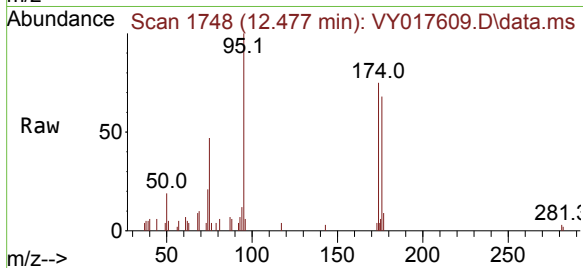
Tgt Ion:173 Resp: 121

Ion Ratio Lower Upper

173 100

175 0.0 25.1 75.3#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY017609.D

Acq: 07 Mar 2024 17:56

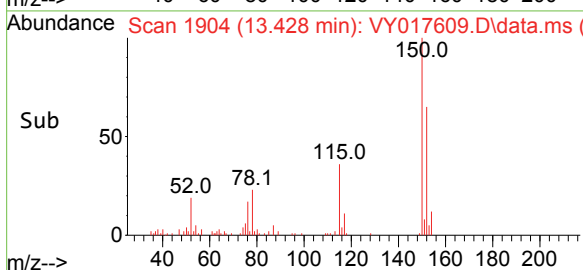
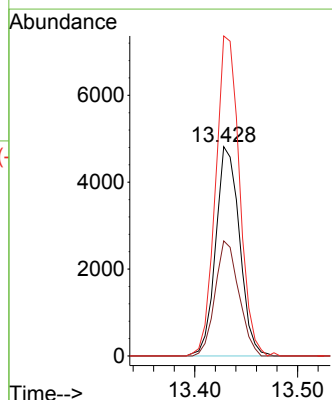
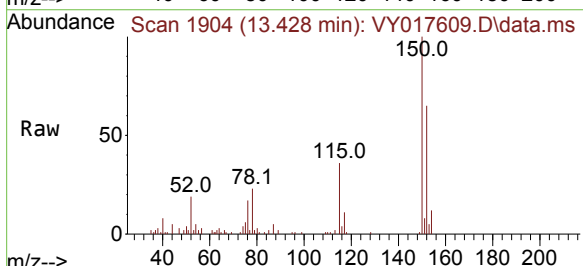
Tgt Ion:152 Resp: 7739

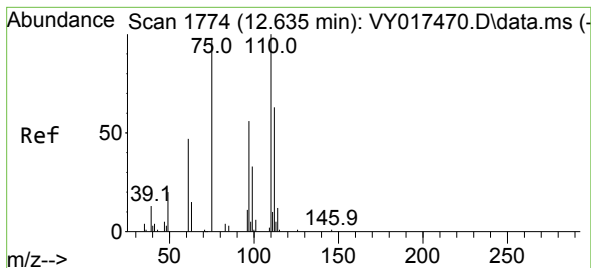
Ion Ratio Lower Upper

152 100

115 54.8 28.2 84.7

150 153.5 0.0 345.6





#76

1,2,3-Trichloropropane

Concen: 50.318 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.146 min

Lab File: VY017609.D

Acq: 07 Mar 2024 17:56

Instrument :

MSVOA_Y

ClientSampleId :

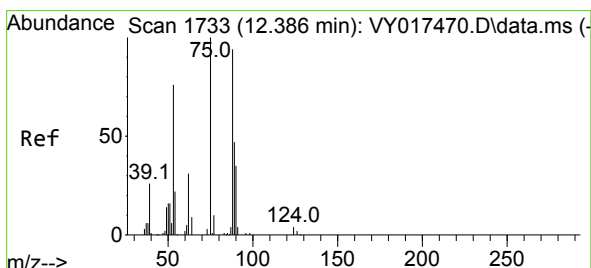
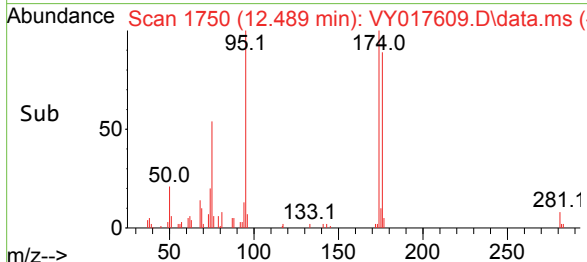
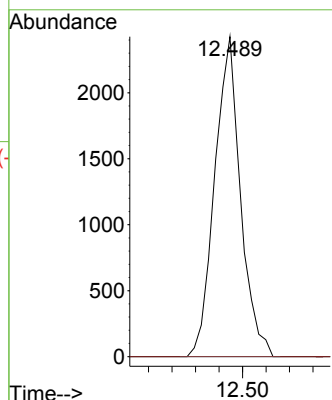
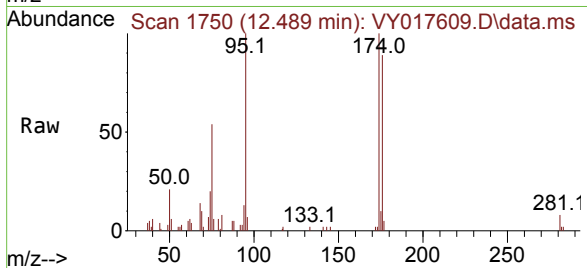
TP-2

Tgt Ion: 75 Resp: 3700

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#81

trans-1,4-Dichloro-2-butene

Concen: 115.620 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.104 min

Lab File: VY017609.D

Acq: 07 Mar 2024 17:56

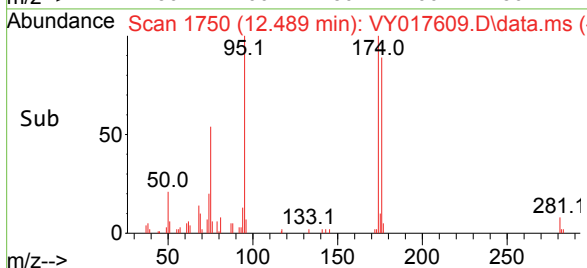
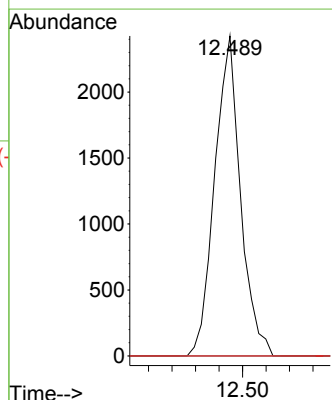
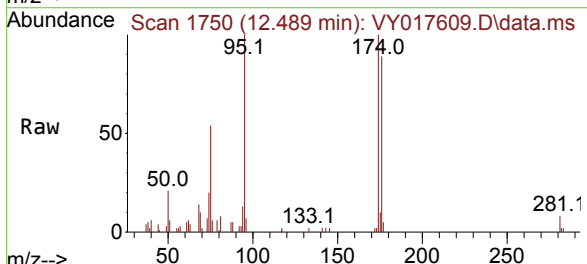
Tgt Ion: 75 Resp: 3700

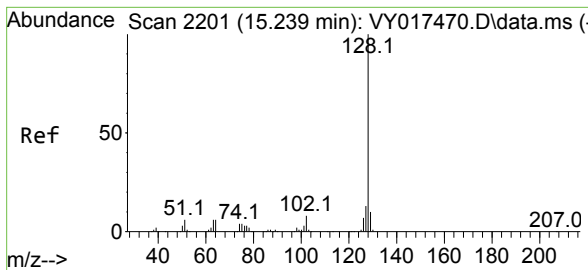
Ion Ratio Lower Upper

75 100

53 0.0 66.8 100.2#

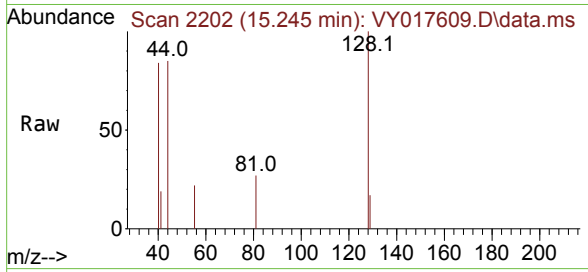
89 0.0 35.8 53.6#





#95
 Naphthalene
 Concen: 6.379 ug/l
 RT: 15.245 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY017609.D
 Acq: 07 Mar 2024 17:56

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-2



Tgt Ion:	128	Resp:	647
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	6.5	8.6	13.0#

