

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020624\
 Data File : VY017271.D
 Acq On : 06 Feb 2024 17:47
 Operator : SY/MD
 Sample : P1358-05
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT5149

Quant Time: Feb 07 00:10:40 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)

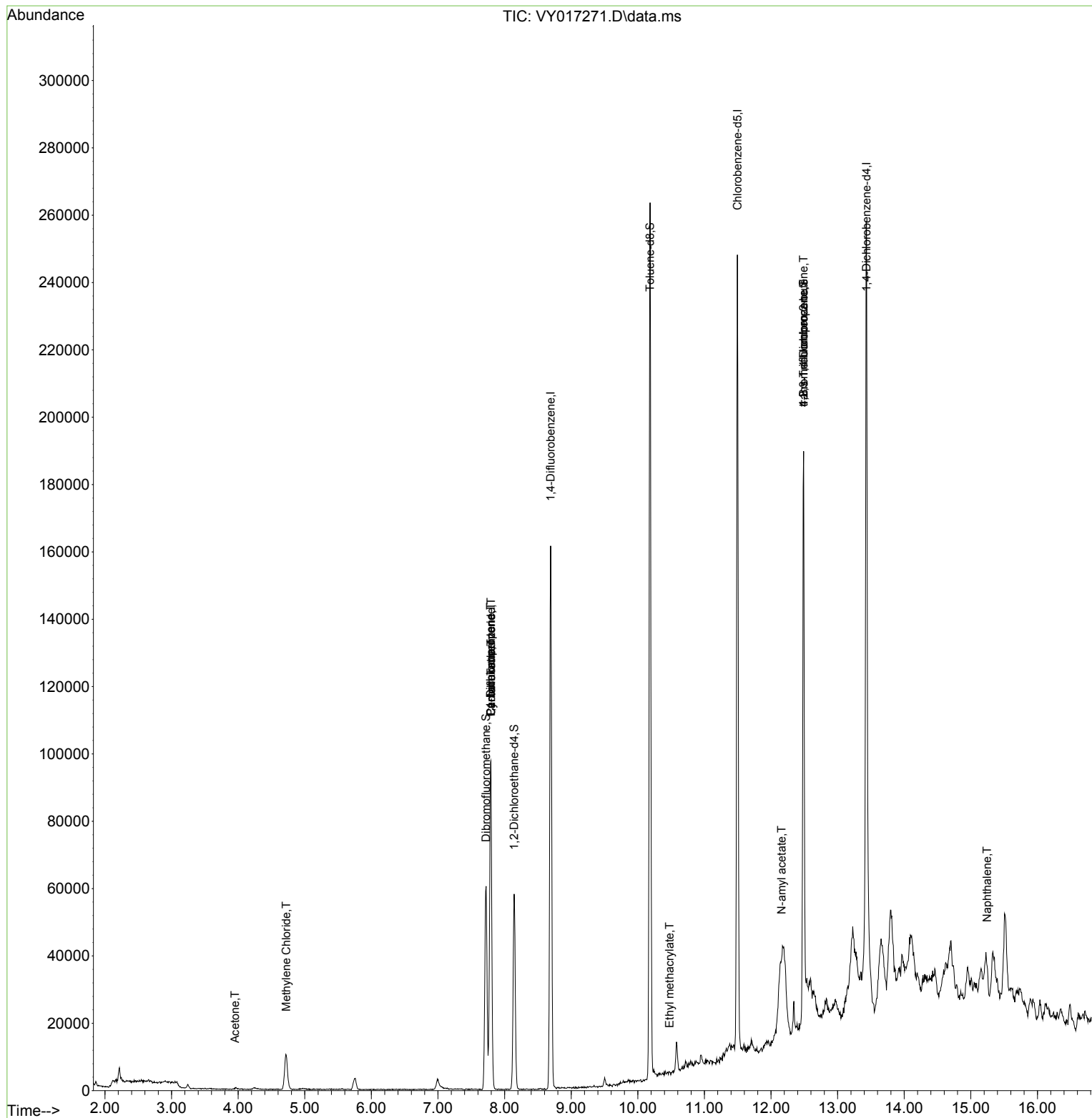
Internal Standards						
1) Pentafluorobenzene	7.795	168	74430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	139836	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	126074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	48319	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	43475	65.385	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 130.760%		
35) Dibromofluoromethane	7.722	113	43499	57.613	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 115.220%		
50) Toluene-d8	10.185	98	168799	61.404	ug/l	0.00
Spiked Amount	50.000	Range 58 - 134	Recovery	= 122.800%		
62) 4-Bromofluorobenzene	12.489	95	53400	59.299	ug/l	0.00
Spiked Amount	50.000	Range 30 - 143	Recovery	= 118.600%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	258	Below Cal	#	75
16) Acetone	3.954	43	872	4.462	ug/l	97
20) Methylene Chloride	4.722	84	8005	6.988	ug/l	87
31) Cyclohexane	7.795	56	1767	1.318	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	6545	5.025	ug/l #	50
38) Carbon Tetrachloride	7.795	117	7429	5.958	ug/l #	18
56) Ethyl methacrylate	10.477	69	170	3.181	ug/l #	16
74) N-amyl acetate	12.160	43	2252	2.823	ug/l #	53
76) 1,2,3-Trichloropropane	12.489	75	27145	60.866	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	27145	126.472	ug/l #	12
95) Naphthalene	15.245	128	707	3.939	ug/l #	78

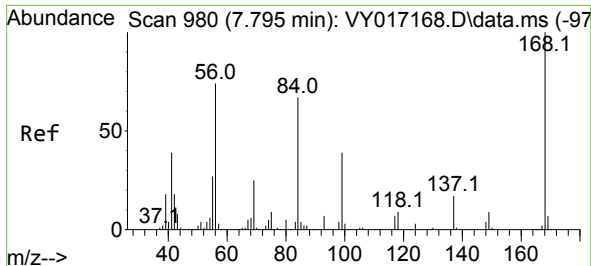
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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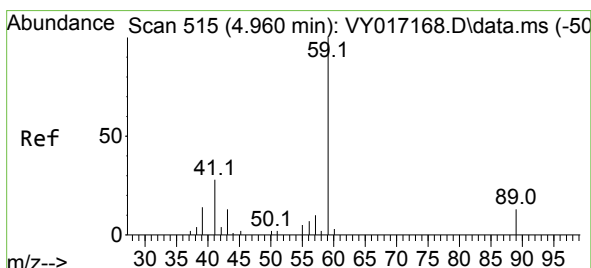
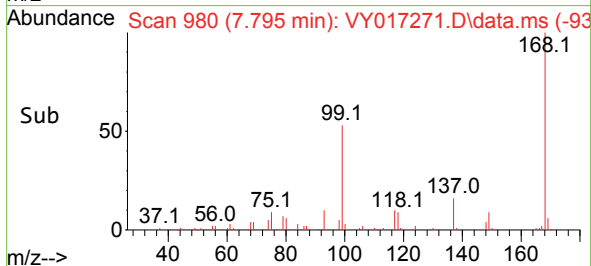
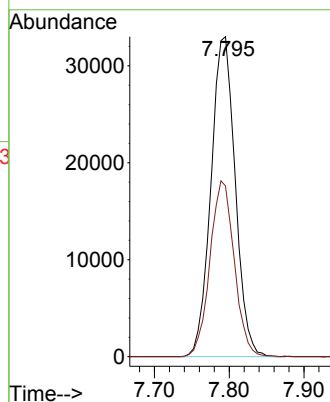
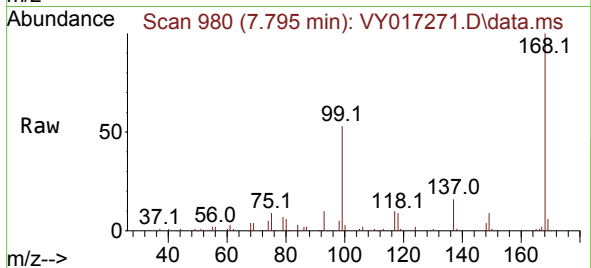




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 99
Delta R.T. -0.000 min
Lab File: VY017271.D
Acq: 06 Feb 2024 17:47

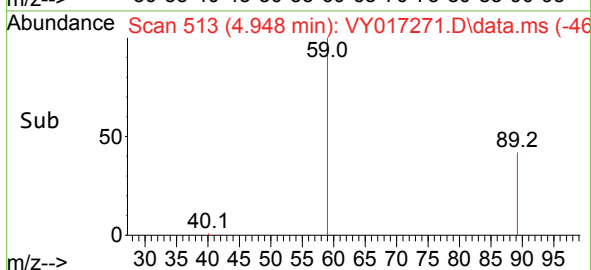
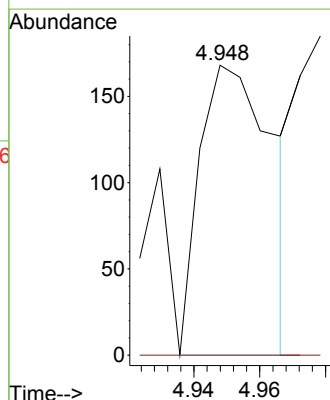
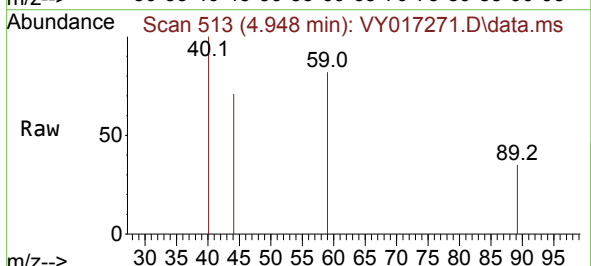
Instrument :
MSVOA_Y
ClientSampleId :
RT5149

Tgt Ion:168 Resp: 74430
Ion Ratio Lower Upper
168 100
99 53.4 44.2 66.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.012 min
Lab File: VY017271.D
Acq: 06 Feb 2024 17:47

Tgt Ion: 59 Resp: 258
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.0#





#16

Acetone

Concen: 4.462 ug/l

RT: 3.954 min Scan# 3

Delta R.T. 0.006 min

Lab File: VY017271.D

Acq: 06 Feb 2024 17:47

Instrument :

MSVOA_Y

ClientSampleId :

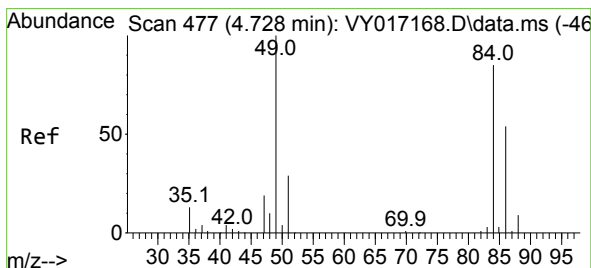
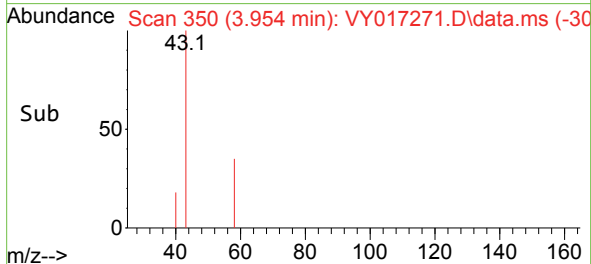
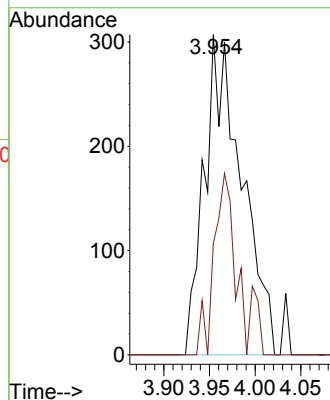
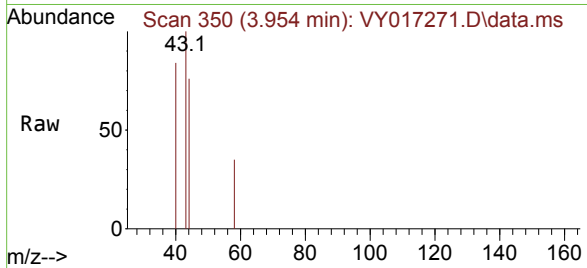
RT5149

Tgt Ion: 43 Resp: 872

Ion Ratio Lower Upper

43 100

58 34.9 26.6 39.8



#20

Methylene Chloride

Concen: 6.988 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.006 min

Lab File: VY017271.D

Acq: 06 Feb 2024 17:47

Tgt Ion: 84 Resp: 8005

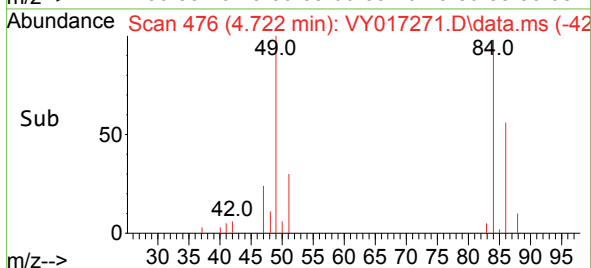
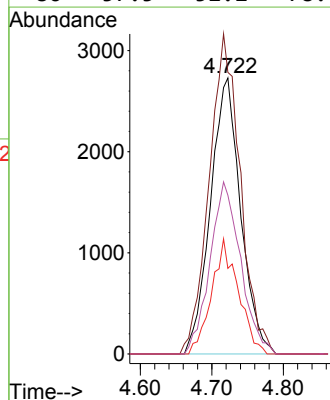
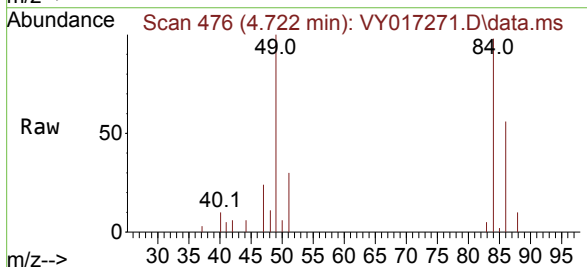
Ion Ratio Lower Upper

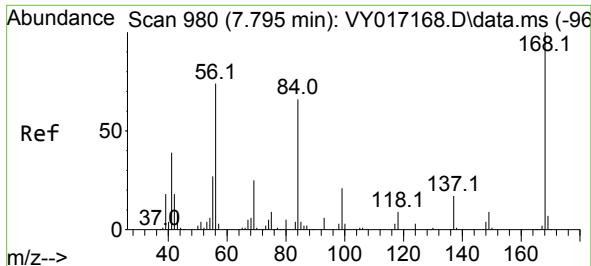
84 100

49 102.0 95.2 142.8

51 31.0 29.9 44.9

86 57.5 52.2 78.4

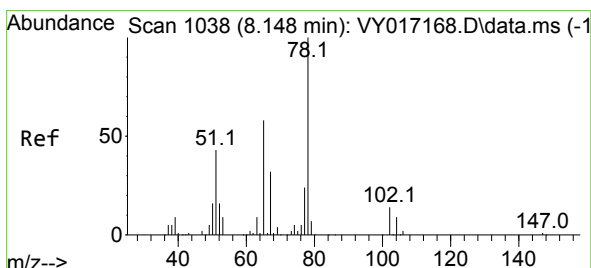
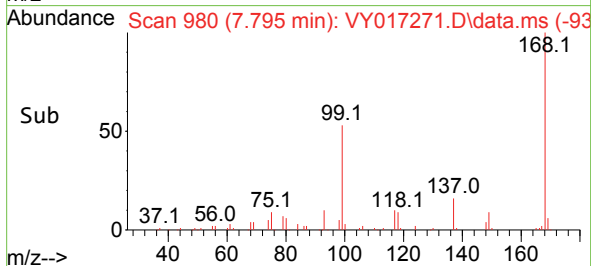
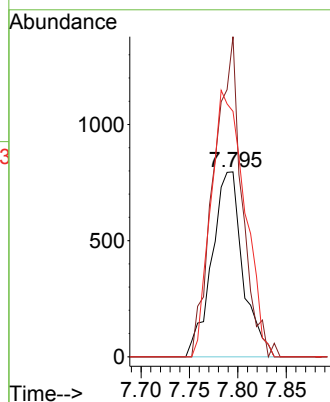
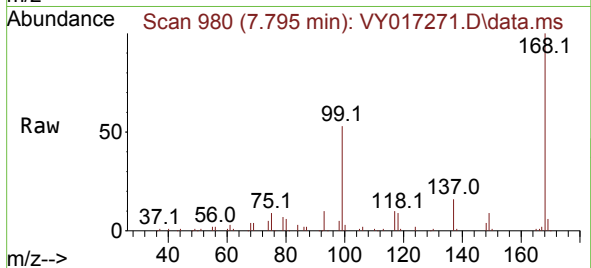




#31
Cyclohexane
Concen: 1.318 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY017271.D
Acq: 06 Feb 2024 17:47

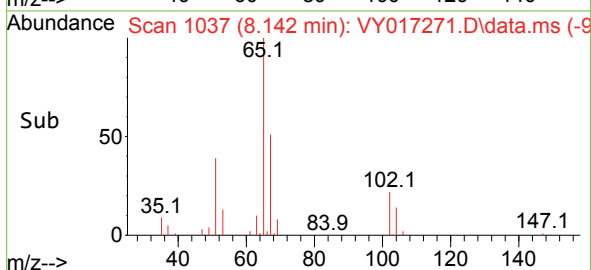
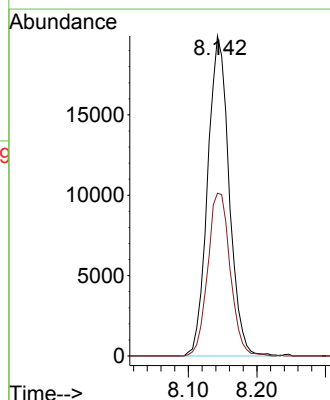
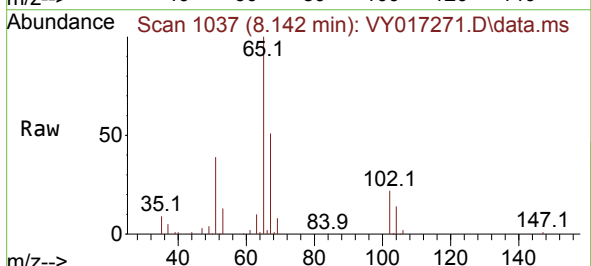
Instrument :
MSVOA_Y
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RT5149

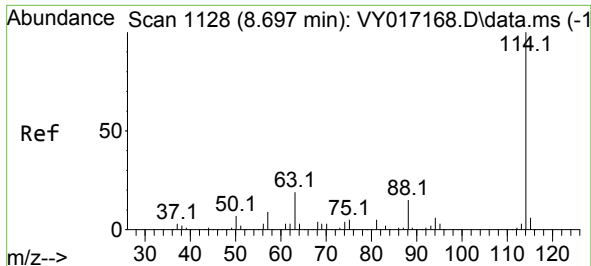
Tgt Ion: 56 Resp: 1767
Ion Ratio Lower Upper
56 100
69 173.1 27.0 40.6#
84 132.7 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 65.385 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VY017271.D
Acq: 06 Feb 2024 17:47

Tgt Ion: 65 Resp: 43475
Ion Ratio Lower Upper
65 100
67 53.1 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VY017271.D

Acq: 06 Feb 2024 17:47

Instrument :

MSVOA_Y

ClientSampleId :

RT5149

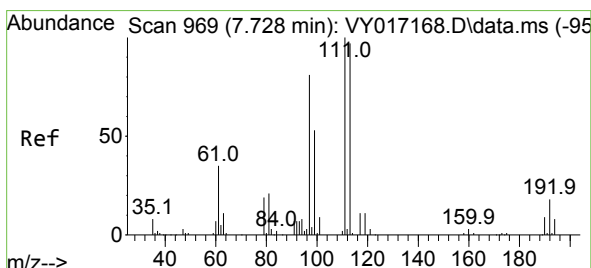
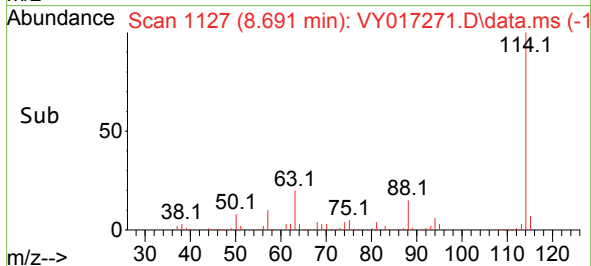
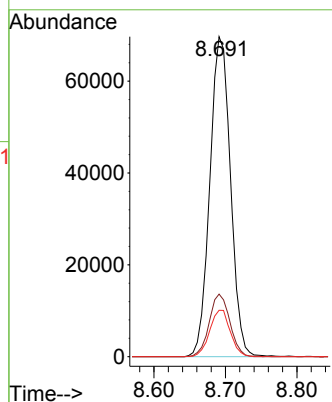
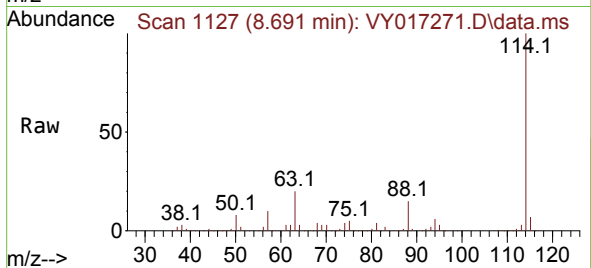
Tgt Ion:114 Resp: 139836

Ion Ratio Lower Upper

114 100

63 19.6 0.0 37.4

88 14.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 57.613 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY017271.D

Acq: 06 Feb 2024 17:47

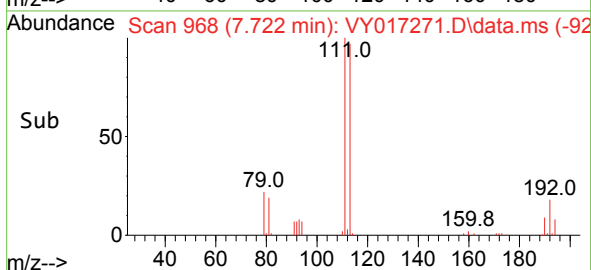
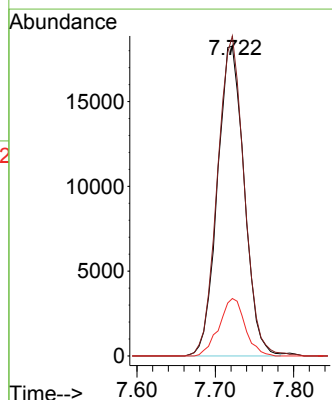
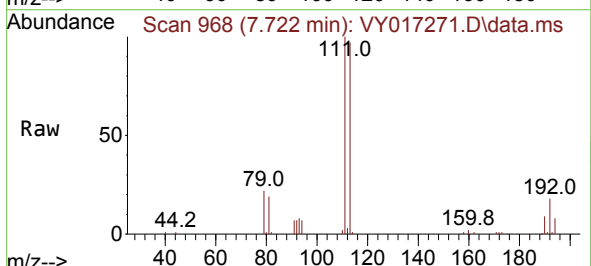
Tgt Ion:113 Resp: 43499

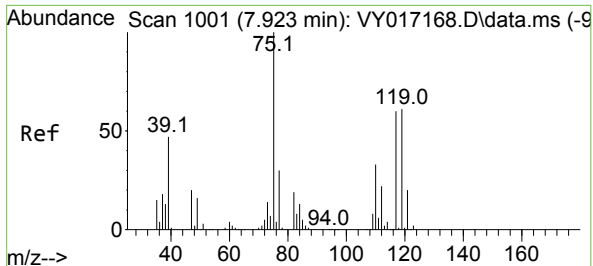
Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 18.0 14.5 21.7

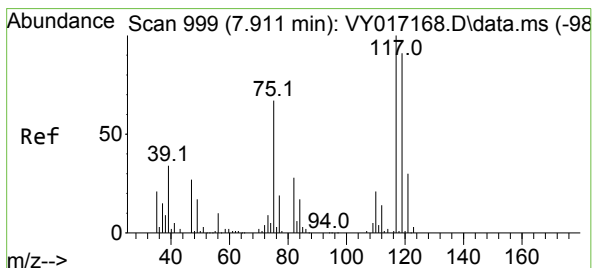
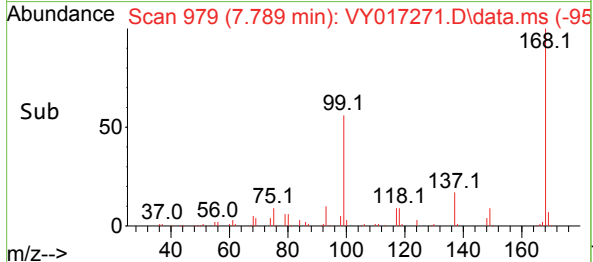
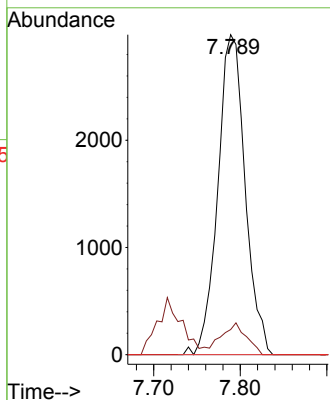
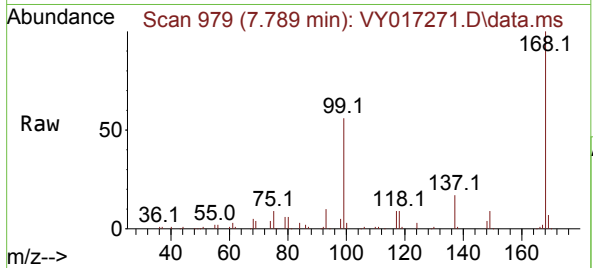




#36
1,1-Dichloropropene
Concen: 5.025 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY017271.D
Acq: 06 Feb 2024 17:47

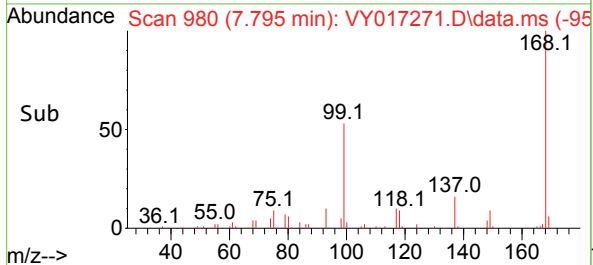
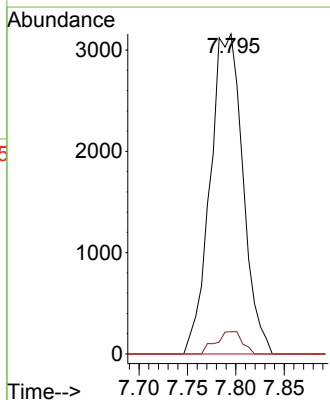
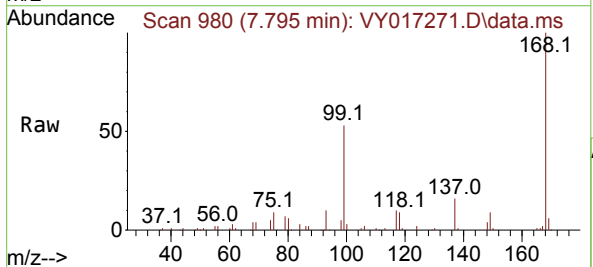
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ClientSampleId :
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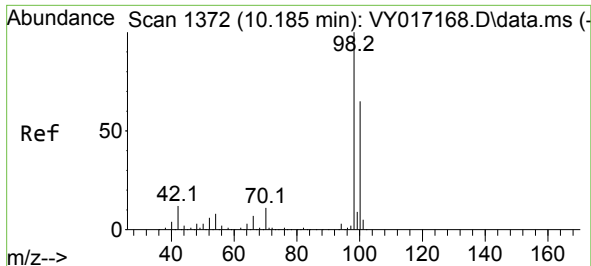
Tgt Ion: 75 Resp: 6545
Ion Ratio Lower Upper
75 100
110 8.9 17.4 52.3#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.958 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY017271.D
Acq: 06 Feb 2024 17:47

Tgt Ion: 117 Resp: 7429
Ion Ratio Lower Upper
117 100
119 7.0 76.0 114.0#
121 0.0 24.2 36.2#

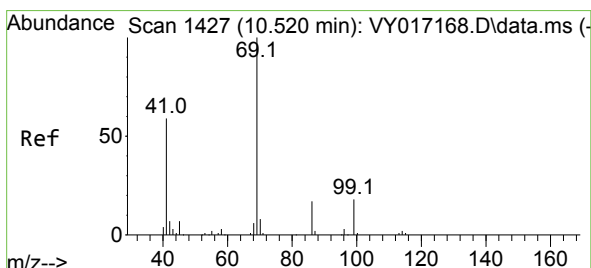
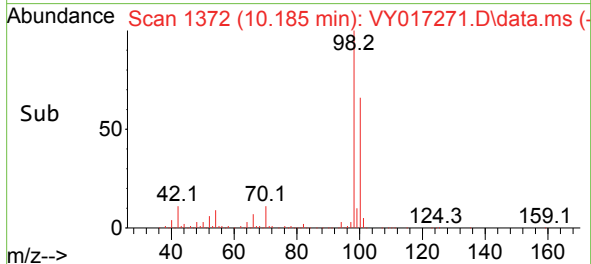
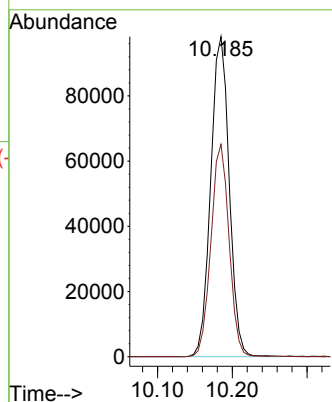
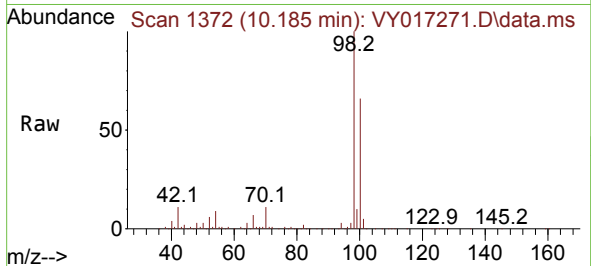




#50
Toluene-d8
Concen: 61.404 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017271.D
Acq: 06 Feb 2024 17:47

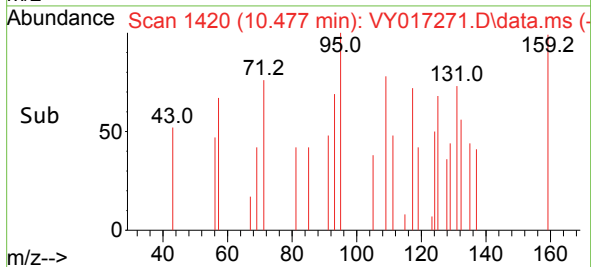
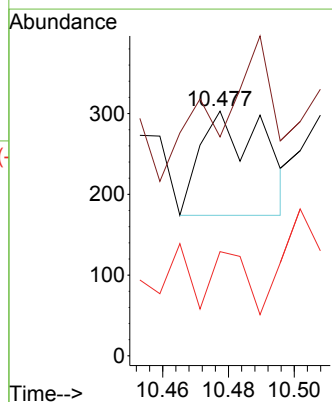
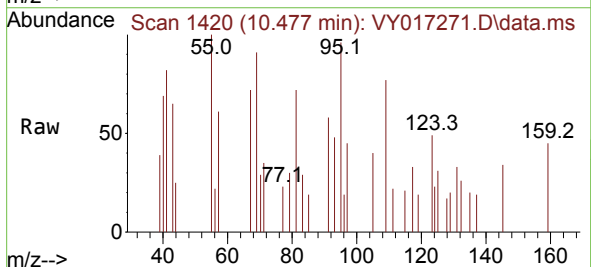
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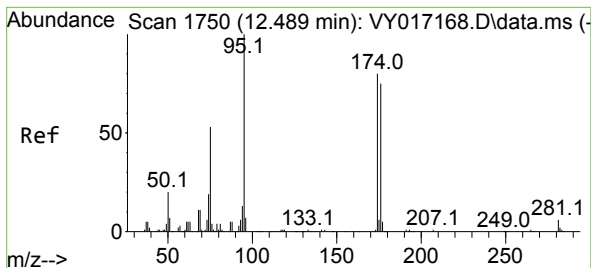
Tgt Ion: 98 Resp: 168799
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



#56
Ethyl methacrylate
Concen: 3.181 ug/l
RT: 10.477 min Scan# 1420
Delta R.T. -0.043 min
Lab File: VY017271.D
Acq: 06 Feb 2024 17:47

Tgt Ion: 69 Resp: 170
Ion Ratio Lower Upper
69 100
41 136.5 49.2 73.8#
39 0.0 26.8 40.2#

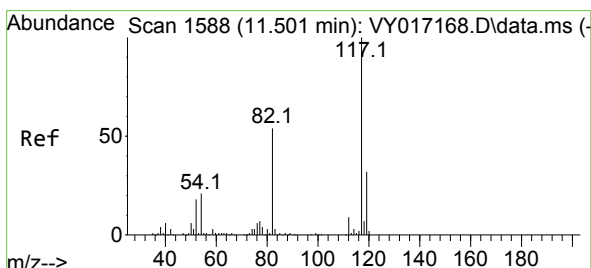
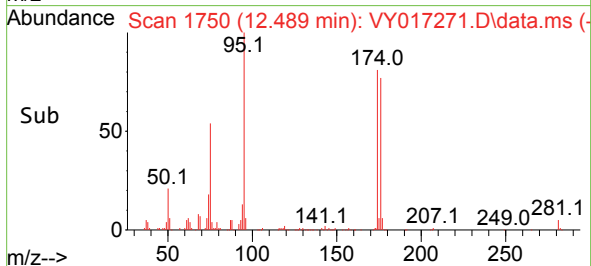
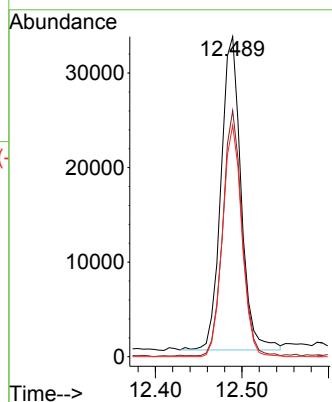
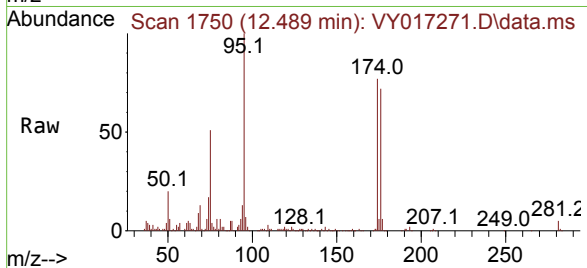




#62
4-Bromofluorobenzene
Concen: 59.299 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VY017271.D
Acq: 06 Feb 2024 17:47

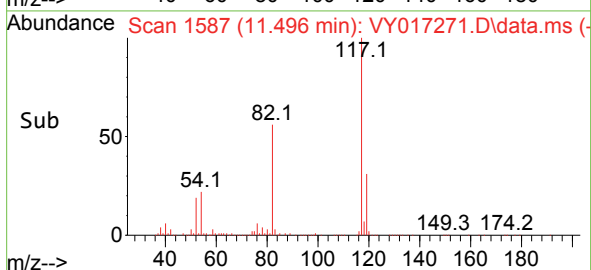
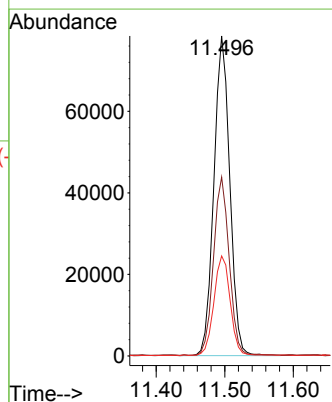
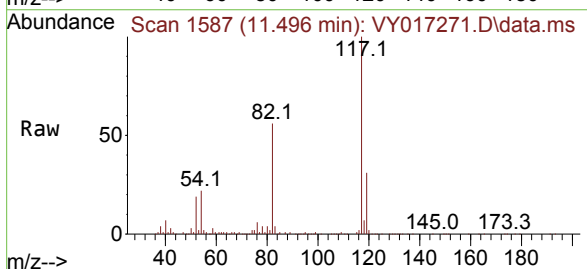
Instrument :
MSVOA_Y
ClientSampleId :
RT5149

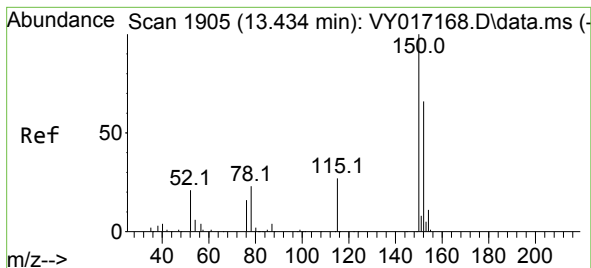
Tgt Ion:	95	Resp:	53400
Ion Ratio	Lower	Upper	
95	100		
174	74.3	0.0	160.0
176	71.0	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY017271.D
Acq: 06 Feb 2024 17:47

Tgt Ion:	117	Resp:	126074
Ion Ratio	Lower	Upper	
117	100		
82	55.7	43.8	65.8
119	31.2	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: VY017271.D

Acq: 06 Feb 2024 17:47

Instrument :

MSVOA_Y

ClientSampleId :

RT5149

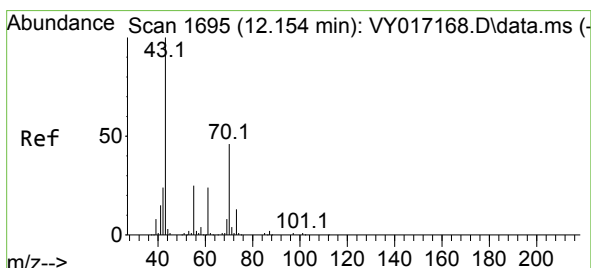
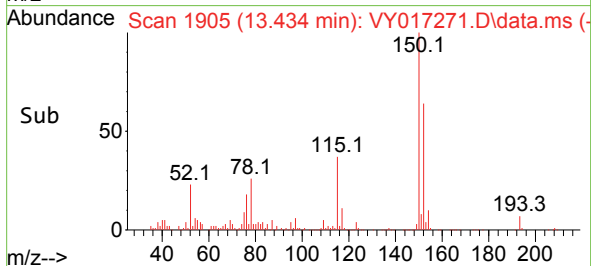
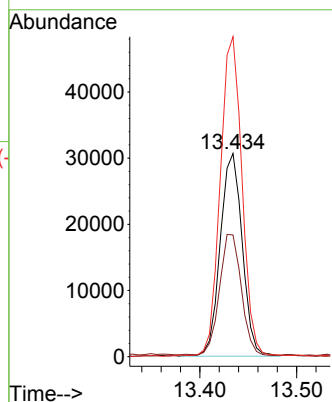
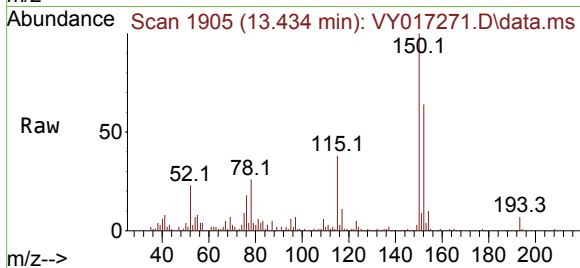
Tgt Ion:152 Resp: 48319

Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.0

150 156.3 0.0 344.6



#74

N-ethyl acetate

Concen: 2.823 ug/l

RT: 12.160 min Scan# 1696

Delta R.T. 0.006 min

Lab File: VY017271.D

Acq: 06 Feb 2024 17:47

Tgt Ion: 43 Resp: 2252

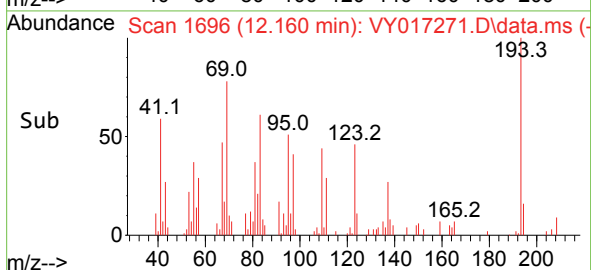
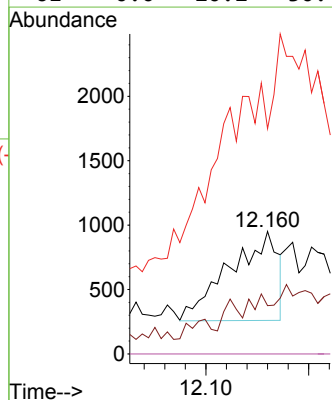
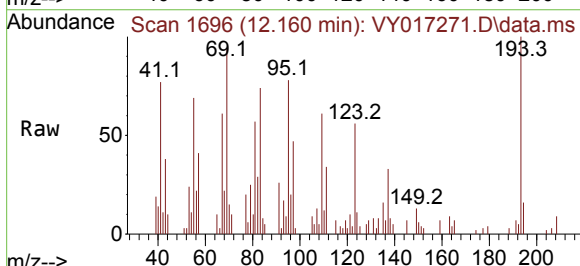
Ion Ratio Lower Upper

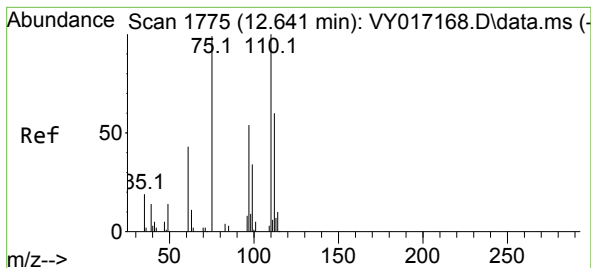
43 100

70 18.9 36.6 55.0#

55 0.0 22.2 33.4#

61 0.0 20.2 30.4#





#76

1,2,3-Trichloropropane

Concen: 60.866 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. -0.152 min

Lab File: VY017271.D

Acq: 06 Feb 2024 17:47

Instrument :

MSVOA_Y

ClientSampleId :

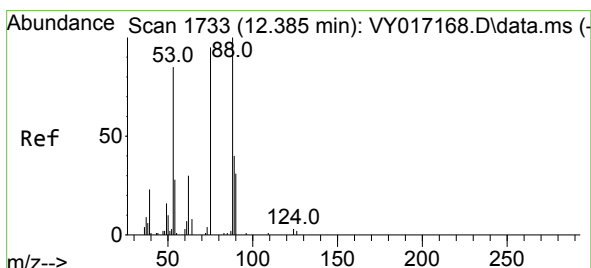
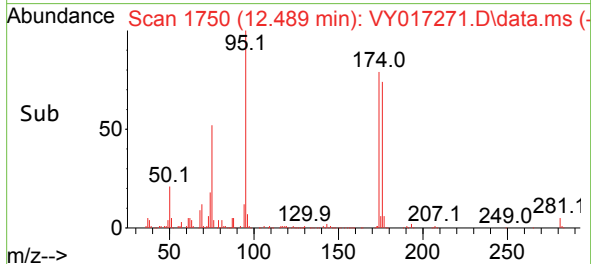
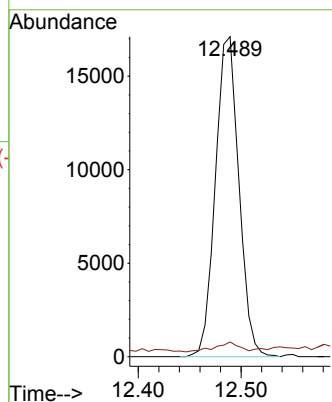
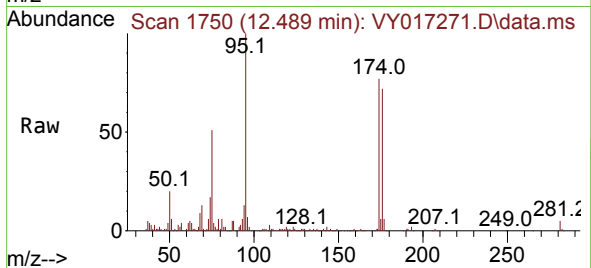
RT5149

Tgt Ion: 75 Resp: 27145

Ion Ratio Lower Upper

75 100

77 3.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 126.472 ug/l

RT: 12.489 min Scan# 1750

Delta R.T. 0.104 min

Lab File: VY017271.D

Acq: 06 Feb 2024 17:47

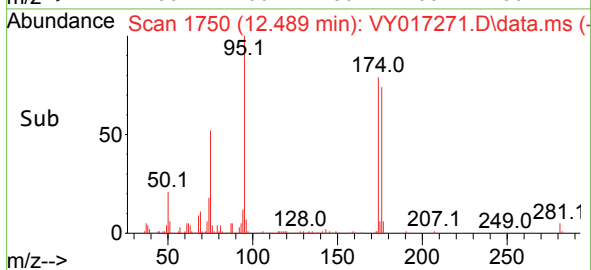
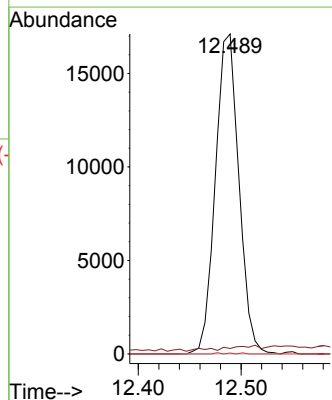
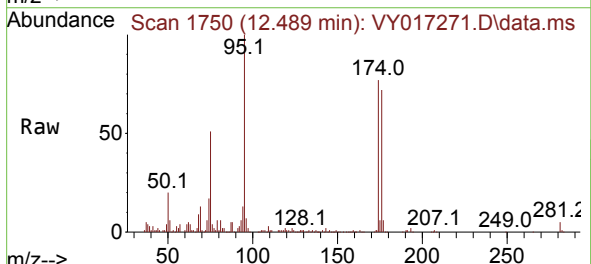
Tgt Ion: 75 Resp: 27145

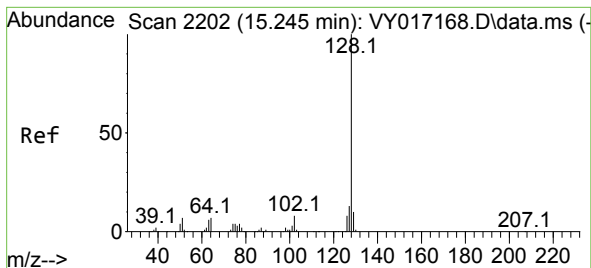
Ion Ratio Lower Upper

75 100

53 0.0 74.0 111.0#

89 0.1 36.5 54.7#





#95

Naphthalene

Concen: 3.939 ug/l

RT: 15.245 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY017271.D

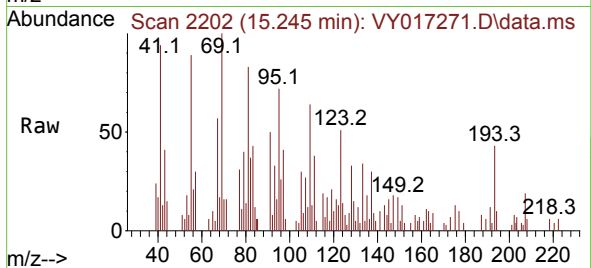
Acq: 06 Feb 2024 17:47

Instrument :

MSVOA_Y

ClientSampleId :

RT5149



Tgt Ion:128 Resp: 707

Ion Ratio Lower Upper

128 100

127 12.4 10.2 15.4

129 28.7 8.6 12.8#

