

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022124\
 Data File : VY017440.D
 Acq On : 21 Feb 2024 16:05
 Operator : SY/MD
 Sample : P1537-07
 Misc : 4.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 7

Quant Time: Feb 22 03:27:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 20 06:16:24 2024
 Response via : Initial Calibration

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

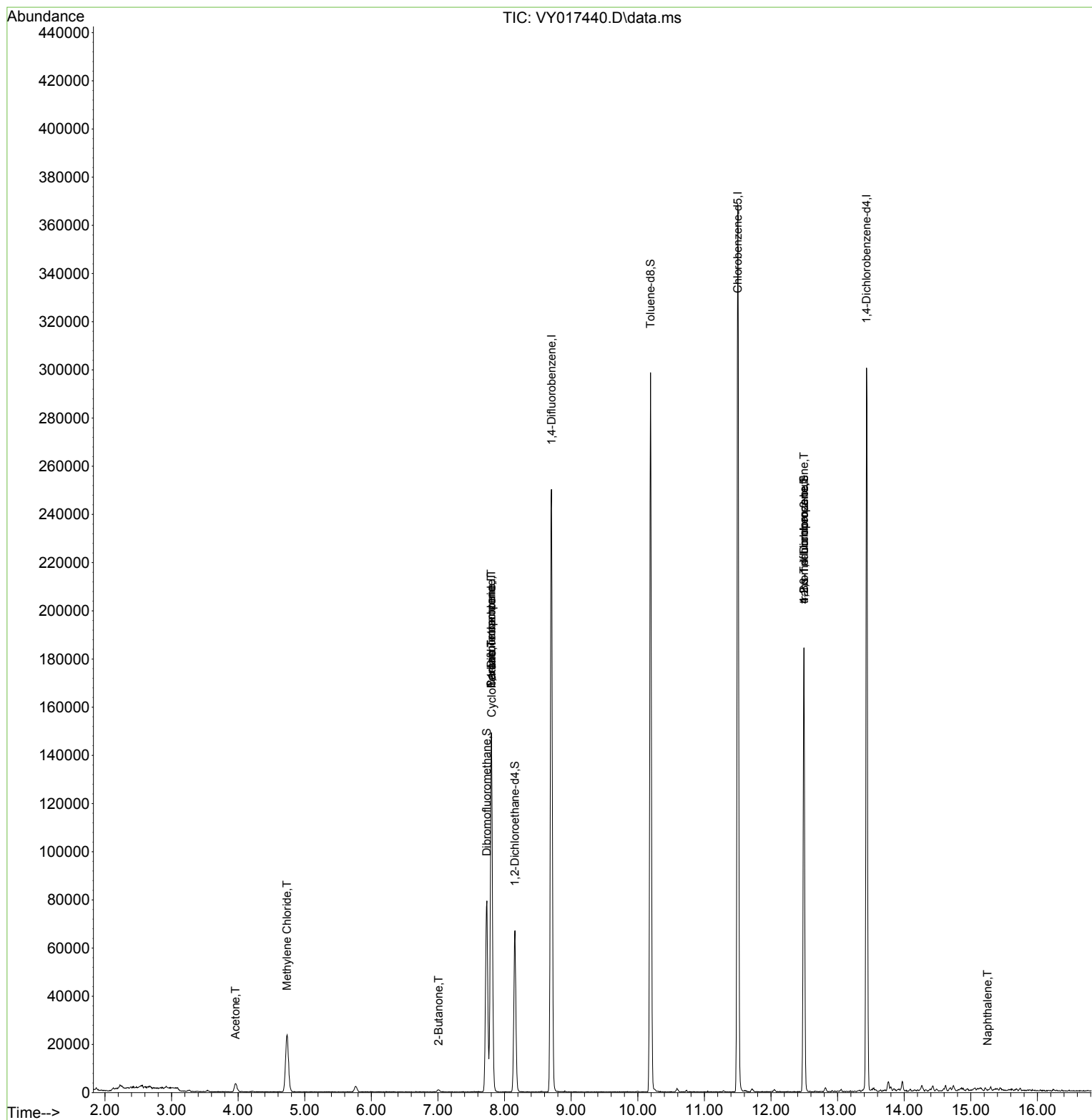
Internal Standards						
1) Pentafluorobenzene	7.801	168	120050	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.704	114	230606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.502	117	207809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	80876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	49471	48.237	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.480%
35) Dibromofluoromethane	7.734	113	56568	41.906	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.820%
50) Toluene-d8	10.191	98	196687	37.569	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	75.140%
62) 4-Bromofluorobenzene	12.496	95	53968	31.568	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	63.140%
Target Compounds						
					Qvalue	
5) Bromomethane	2.668	94	304	Below Cal	#	65
16) Acetone	3.960	43	6377	28.711	ug/l	99
20) Methylene Chloride	4.735	84	19713	9.540	ug/l	95
25) 2-Butanone	7.009	43	1754	5.626	ug/l	# 88
31) Cyclohexane	7.807	56	2194	1.081	ug/l	# 1
36) 1,1-Dichloropropene	7.801	75	8606	3.817	ug/l	# 48
38) Carbon Tetrachloride	7.801	117	11154	4.969	ug/l	# 16
76) 1,2,3-Trichloropropane	12.496	75	27554	35.138	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.496	75	27554	81.926	ug/l	# 16
95) Naphthalene	15.251	128	237	3.630	ug/l	# 69

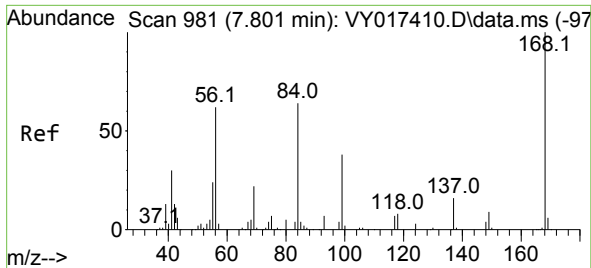
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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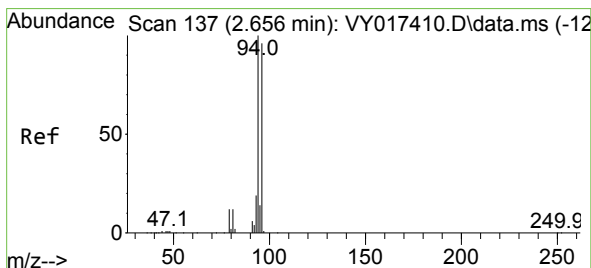
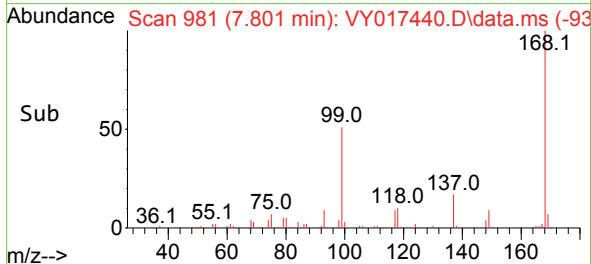
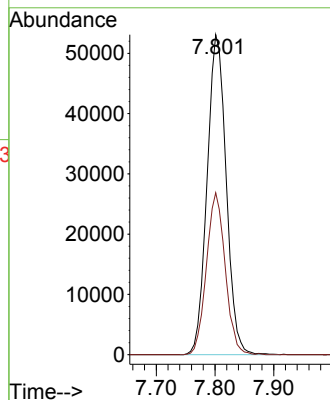
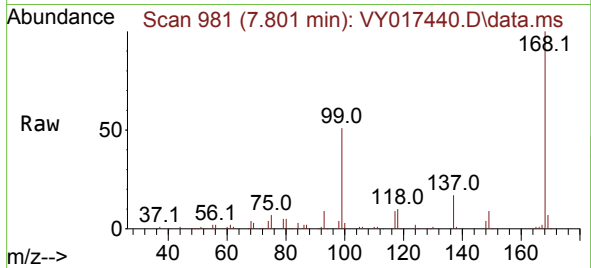




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY017440.D
Acq: 21 Feb 2024 16:05

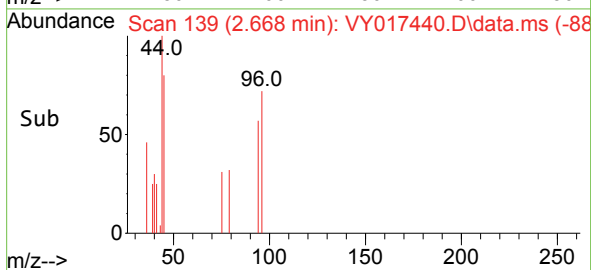
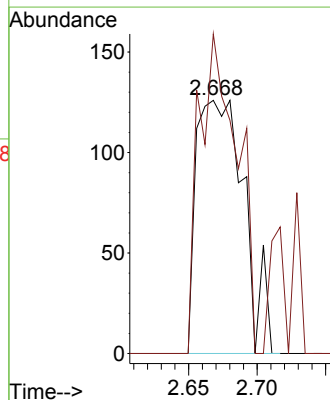
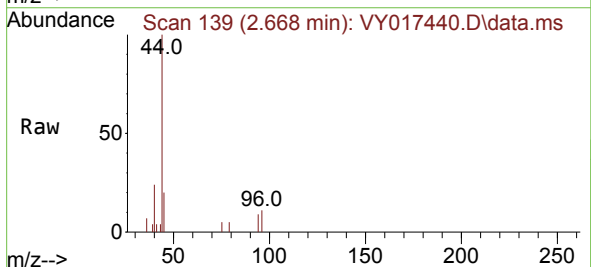
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MSVOA_Y
ClientSampleId :
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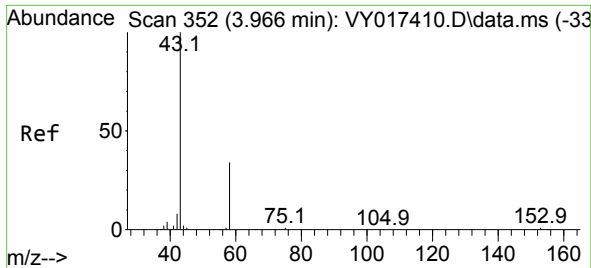
Tgt Ion:168 Resp: 120050
Ion Ratio Lower Upper
168 100
99 50.6 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY017440.D
Acq: 21 Feb 2024 16:05

Tgt Ion: 94 Resp: 304
Ion Ratio Lower Upper
94 100
96 126.2 74.1 111.1#





#16

Acetone

Concen: 28.711 ug/l

RT: 3.960 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY017440.D

Acq: 21 Feb 2024 16:05

Instrument :

MSVOA_Y

ClientSampleId :

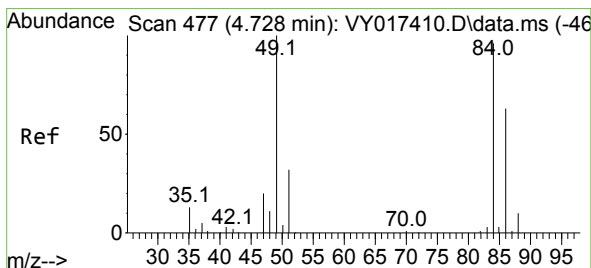
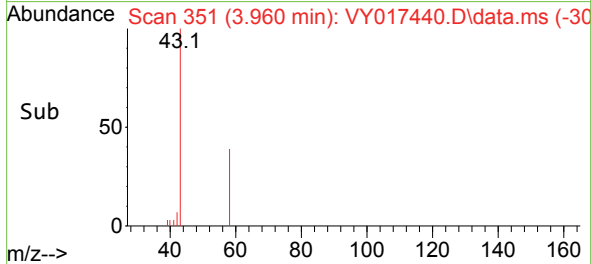
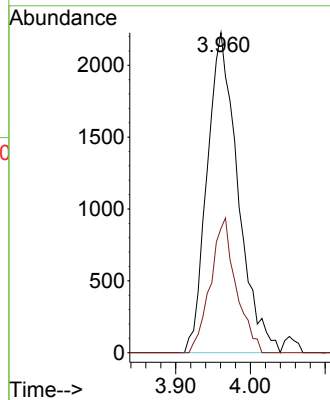
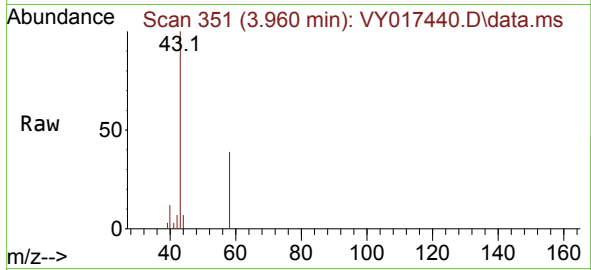
7

Tgt Ion: 43 Resp: 6377

Ion Ratio Lower Upper

43 100

58 38.8 31.7 47.5



#20

Methylene Chloride

Concen: 9.540 ug/l

RT: 4.735 min Scan# 478

Delta R.T. 0.007 min

Lab File: VY017440.D

Acq: 21 Feb 2024 16:05

Tgt Ion: 84 Resp: 19713

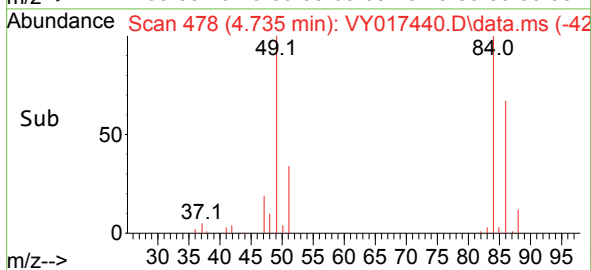
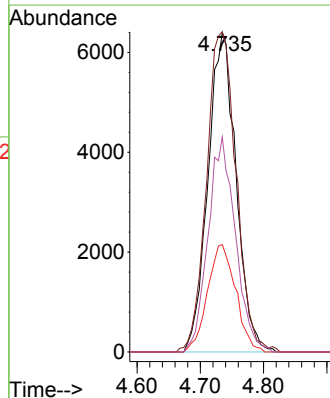
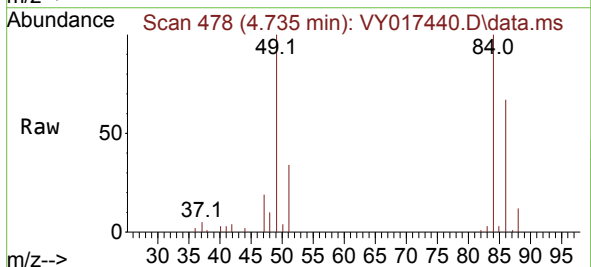
Ion Ratio Lower Upper

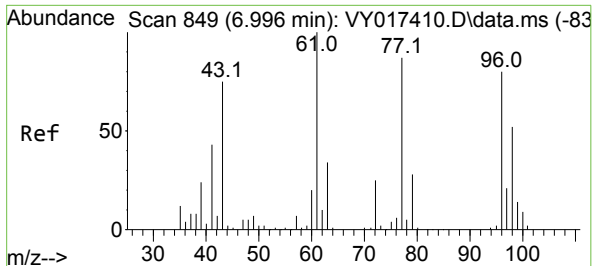
84 100

49 100.1 84.4 126.6

51 33.6 26.0 39.0

86 67.3 49.5 74.3





#25

2-Butanone

Concen: 5.626 ug/l

RT: 7.009 min Scan# 81

Delta R.T. 0.012 min

Lab File: VY017440.D

Acq: 21 Feb 2024 16:05

Instrument :

MSVOA_Y

ClientSampleId :

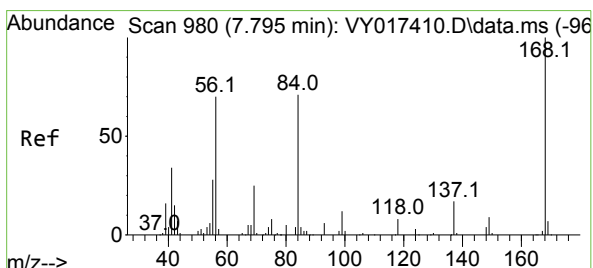
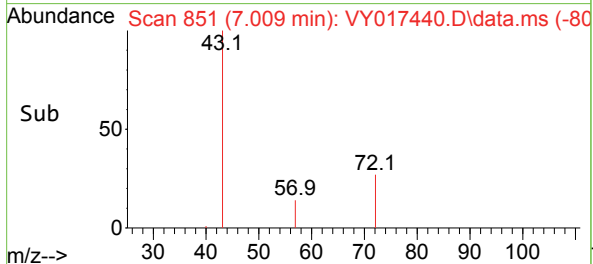
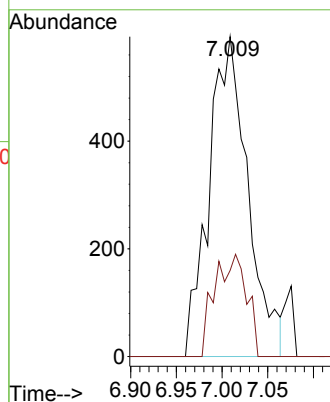
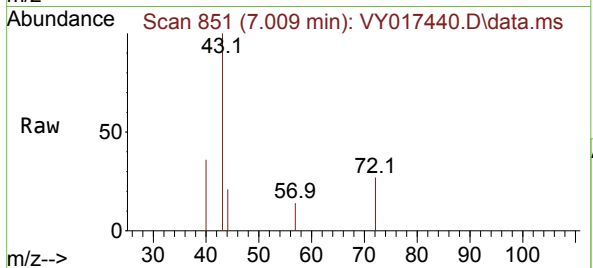
7

Tgt Ion: 43 Resp: 1754

Ion Ratio Lower Upper

43 100

72 26.9 27.3 40.9#



#31

Cyclohexane

Concen: 1.081 ug/l

RT: 7.807 min Scan# 982

Delta R.T. 0.012 min

Lab File: VY017440.D

Acq: 21 Feb 2024 16:05

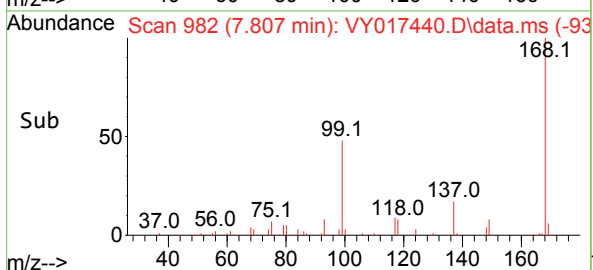
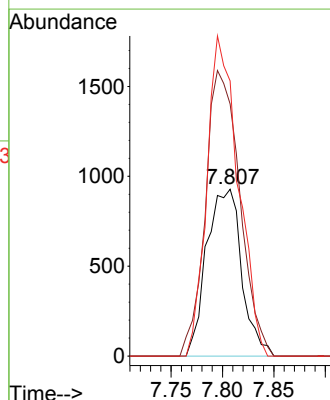
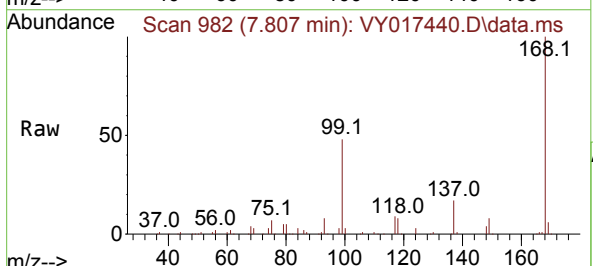
Tgt Ion: 56 Resp: 2194

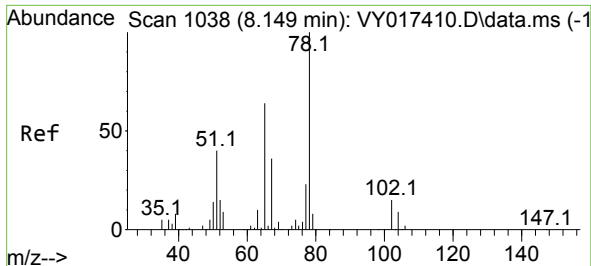
Ion Ratio Lower Upper

56 100

69 151.2 28.7 43.1#

84 165.0 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 48.237 ug/l

RT: 8.155 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY017440.D

Acq: 21 Feb 2024 16:05

Instrument :

MSVOA_Y

ClientSampleId :

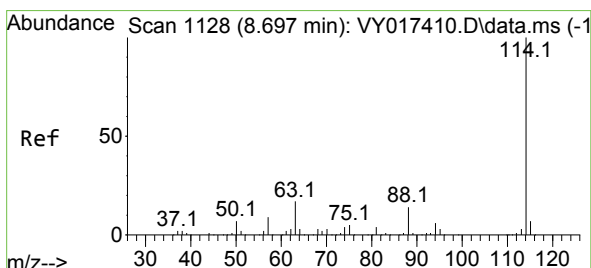
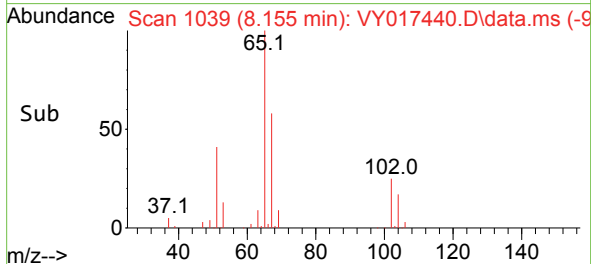
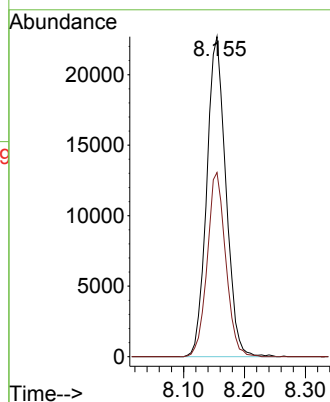
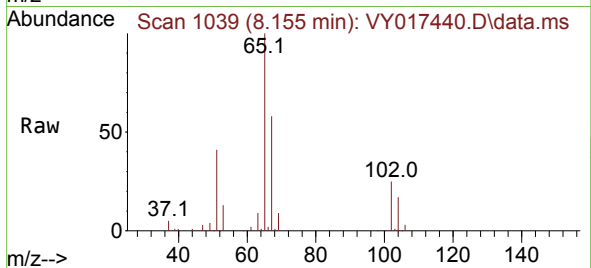
7

Tgt Ion: 65 Resp: 49471

Ion Ratio Lower Upper

65 100

67 55.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.704 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY017440.D

Acq: 21 Feb 2024 16:05

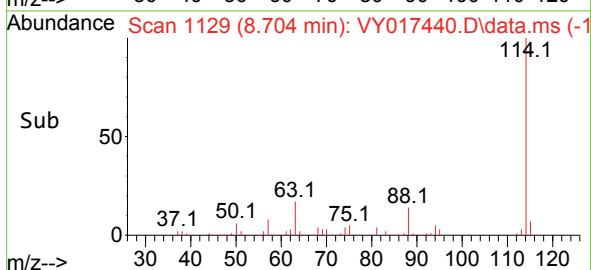
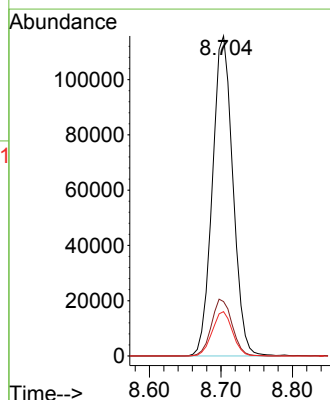
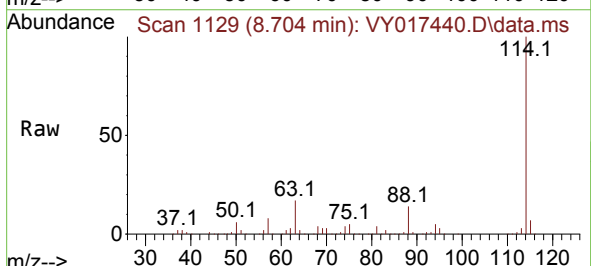
Tgt Ion: 114 Resp: 230606

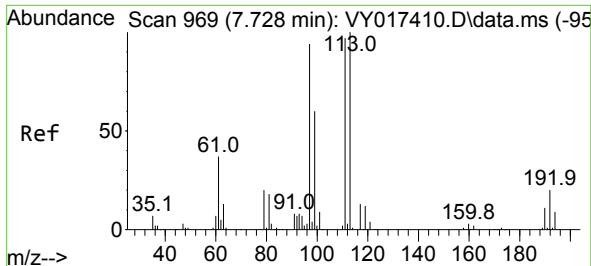
Ion Ratio Lower Upper

114 100

63 17.0 0.0 35.0

88 13.9 0.0 27.2

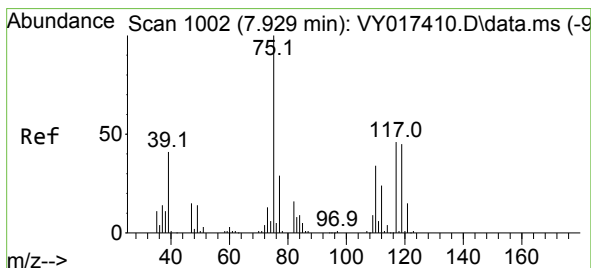
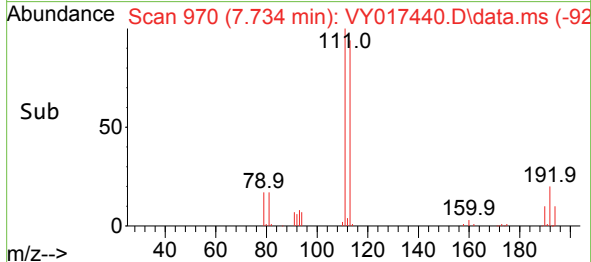
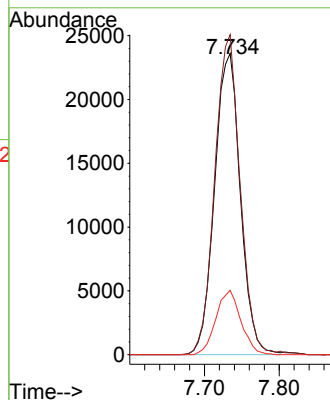
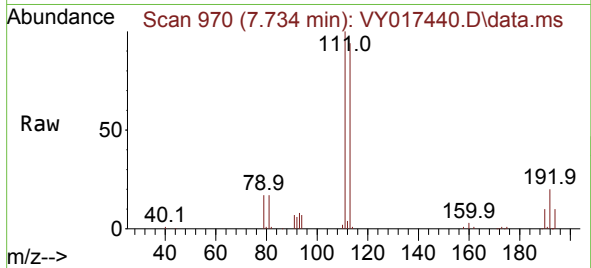




#35
Dibromofluoromethane
Concen: 41.906 ug/l
RT: 7.734 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY017440.D
Acq: 21 Feb 2024 16:05

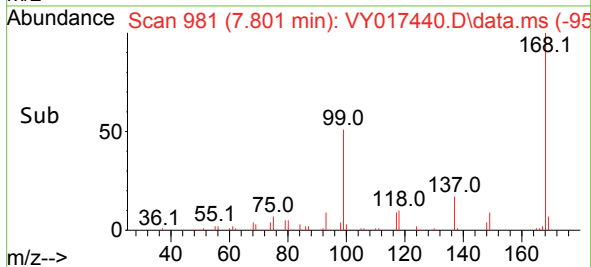
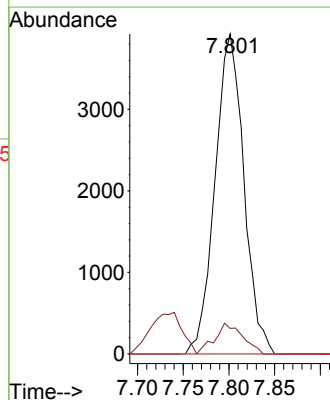
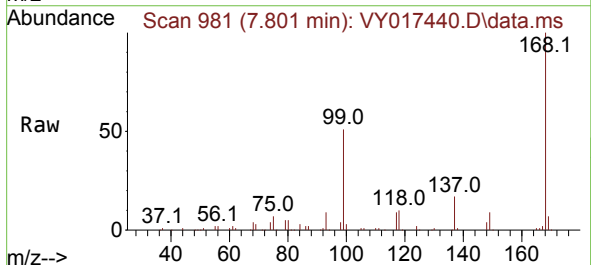
Instrument :
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ClientSampleId :
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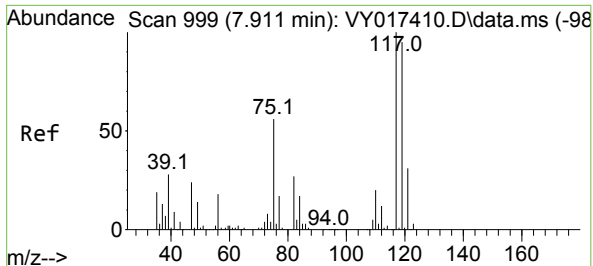
Tgt Ion:113 Resp: 56568
Ion Ratio Lower Upper
113 100
111 104.7 82.2 123.4
192 20.7 15.9 23.9



#36
1,1-Dichloropropene
Concen: 3.817 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY017440.D
Acq: 21 Feb 2024 16:05

Tgt Ion: 75 Resp: 8606
Ion Ratio Lower Upper
75 100
110 9.3 19.0 57.0#
77 0.0 25.3 37.9#

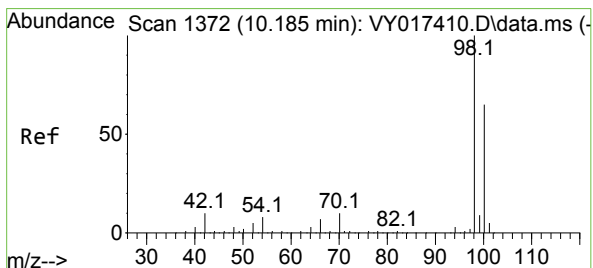
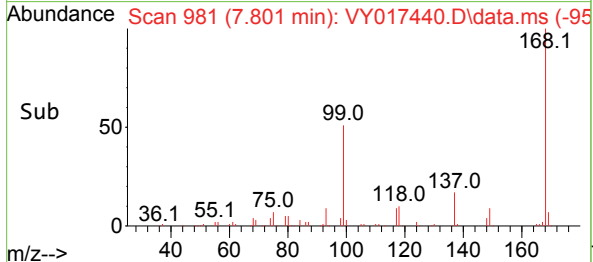
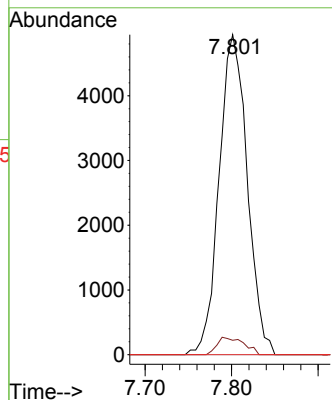
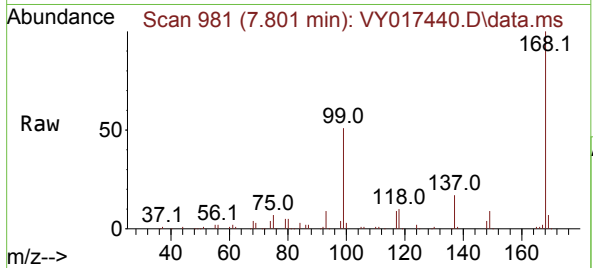




#38
Carbon Tetrachloride
Concen: 4.969 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY017440.D
Acq: 21 Feb 2024 16:05

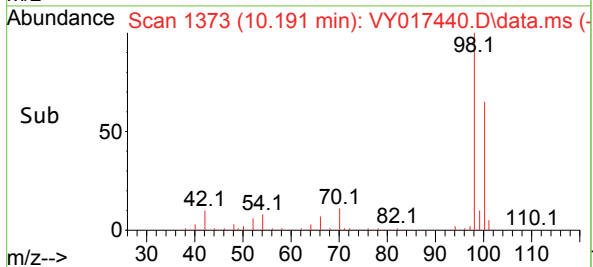
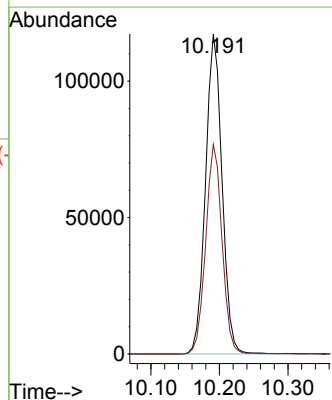
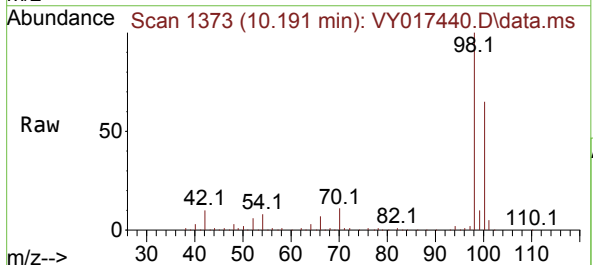
Instrument :
MSVOA_Y
ClientSampleId :
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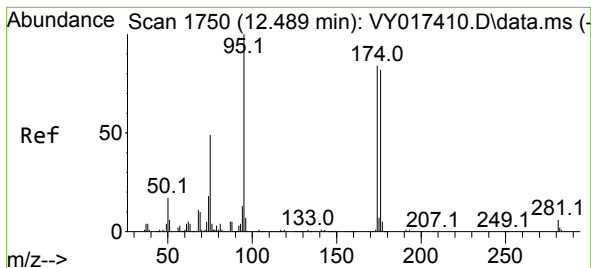
Tgt Ion:117 Resp: 11154
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 37.569 ug/l
RT: 10.191 min Scan# 1373
Delta R.T. 0.006 min
Lab File: VY017440.D
Acq: 21 Feb 2024 16:05

Tgt Ion: 98 Resp: 196687
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0

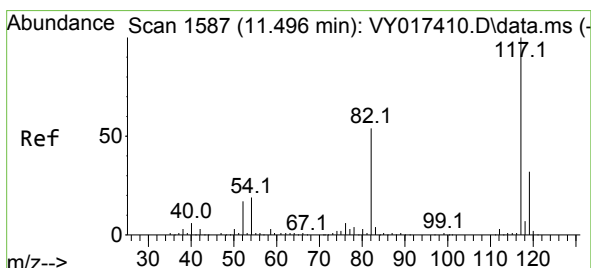
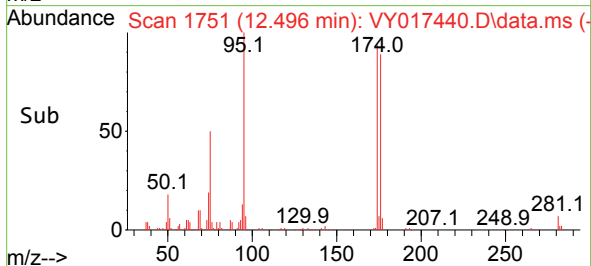
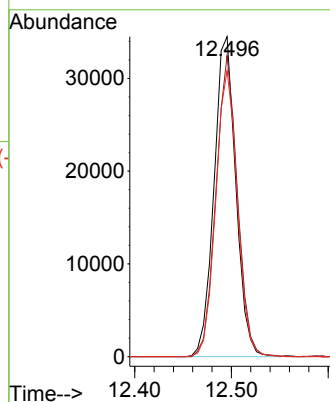
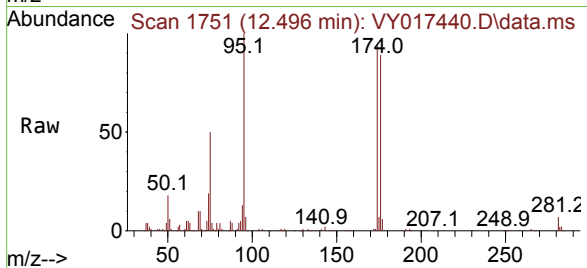




#62
4-Bromofluorobenzene
Concen: 31.568 ug/l
RT: 12.496 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VY017440.D
Acq: 21 Feb 2024 16:05

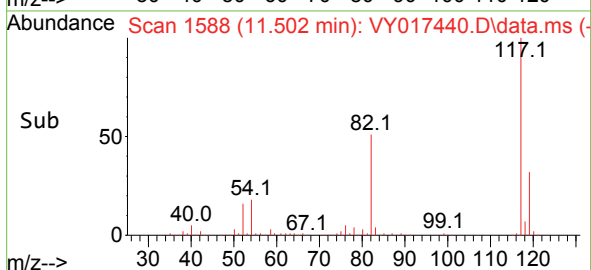
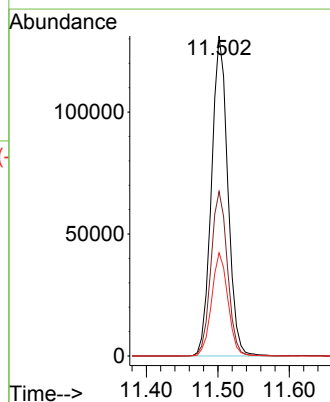
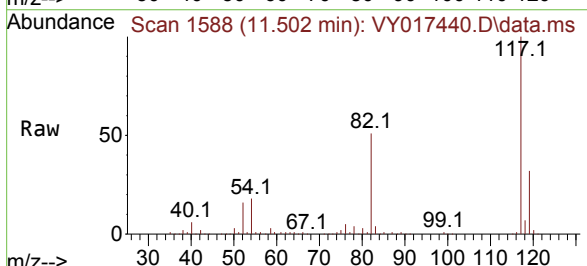
Instrument :
MSVOA_Y
ClientSampleId :
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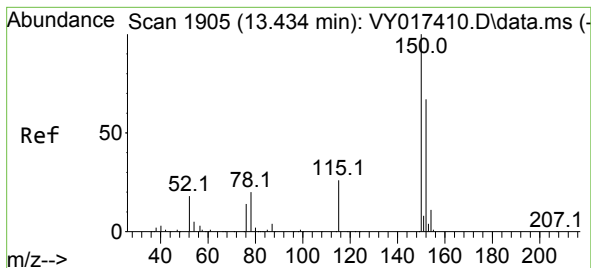
Tgt Ion:	95	Resp:	53968
Ion	Ratio	Lower	Upper
95	100		
174	92.5	0.0	175.6
176	88.6	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.502 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VY017440.D
Acq: 21 Feb 2024 16:05

Tgt Ion:	117	Resp:	207809
Ion	Ratio	Lower	Upper
117	100		
82	51.4	42.4	63.6
119	32.2	25.9	38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.434 min Scan# 1905

Delta R.T. 0.000 min

Lab File: VY017440.D

Acq: 21 Feb 2024 16:05

Instrument :

MSVOA_Y

ClientSampleId :

7

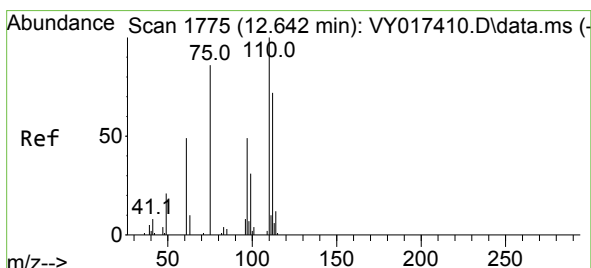
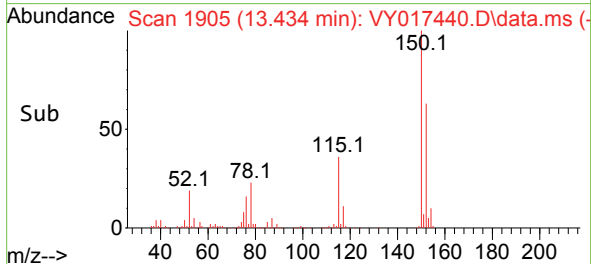
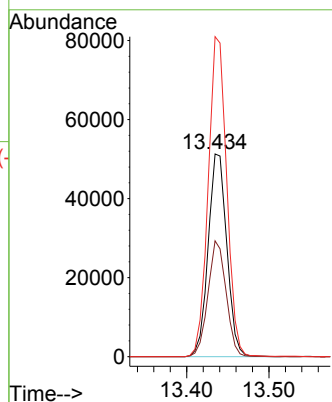
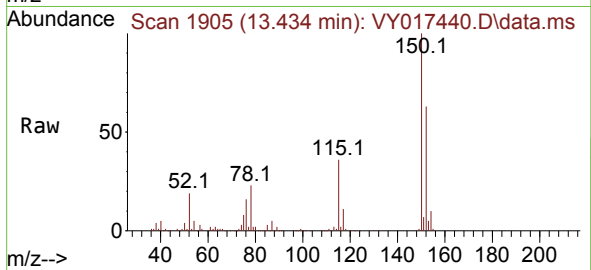
Tgt Ion:152 Resp: 80876

Ion Ratio Lower Upper

152 100

115 55.6 28.2 84.7

150 156.6 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 35.138 ug/l

RT: 12.496 min Scan# 1751

Delta R.T. -0.146 min

Lab File: VY017440.D

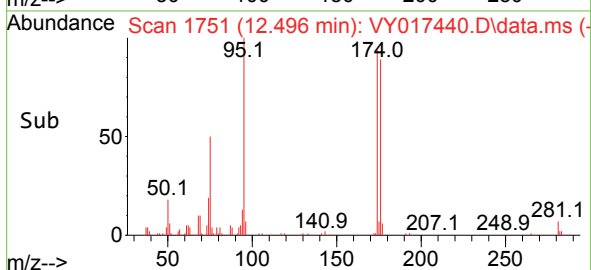
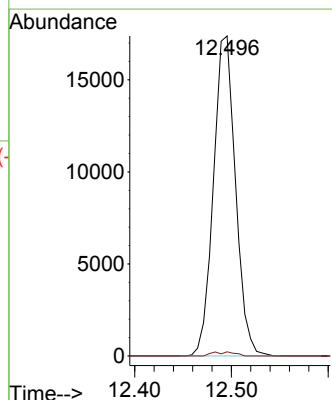
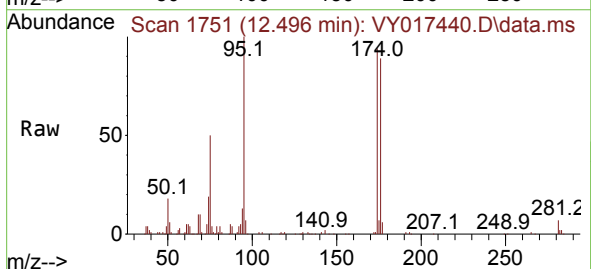
Acq: 21 Feb 2024 16:05

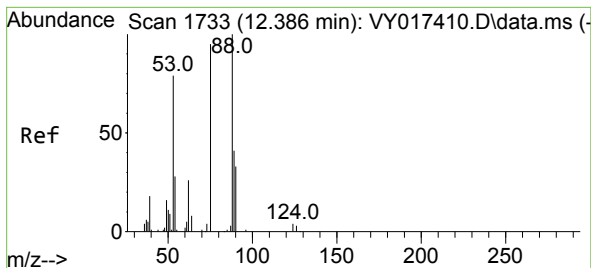
Tgt Ion: 75 Resp: 27554

Ion Ratio Lower Upper

75 100

77 0.6 0.0 0.0#

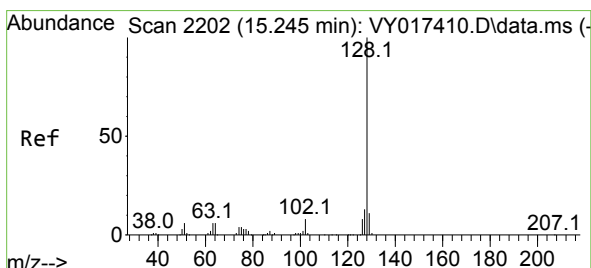
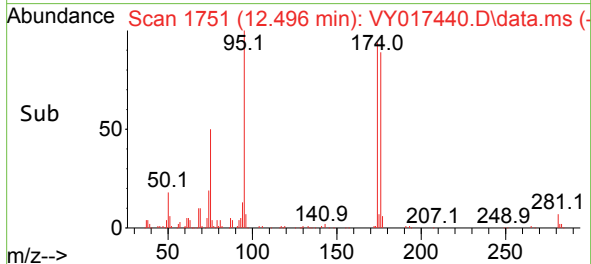
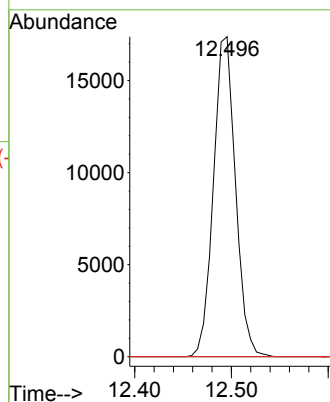
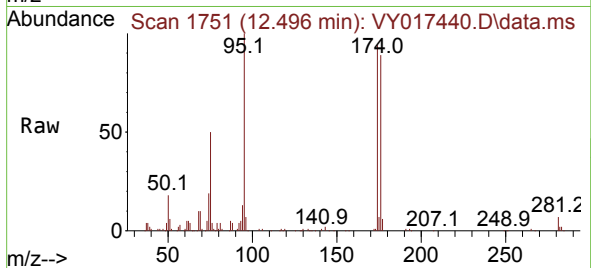




#81
trans-1,4-Dichloro-2-butene
Concen: 81.926 ug/l
RT: 12.496 min Scan# 1733
Delta R.T. 0.110 min
Lab File: VY017440.D
Acq: 21 Feb 2024 16:05

Instrument :
MSVOA_Y
ClientSampleId :
7

Tgt Ion: 75 Resp: 27554
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 3.630 ug/l
RT: 15.251 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY017440.D
Acq: 21 Feb 2024 16:05

Tgt Ion: 128 Resp: 237
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

