

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040324\
 Data File : VY017824.D
 Acq On : 03 Apr 2024 10:04
 Operator : SY/MD
 Sample : VY0403SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBL01

Quant Time: Apr 04 01:07:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032924S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 30 05:58:13 2024
 Response via : Initial Calibration

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

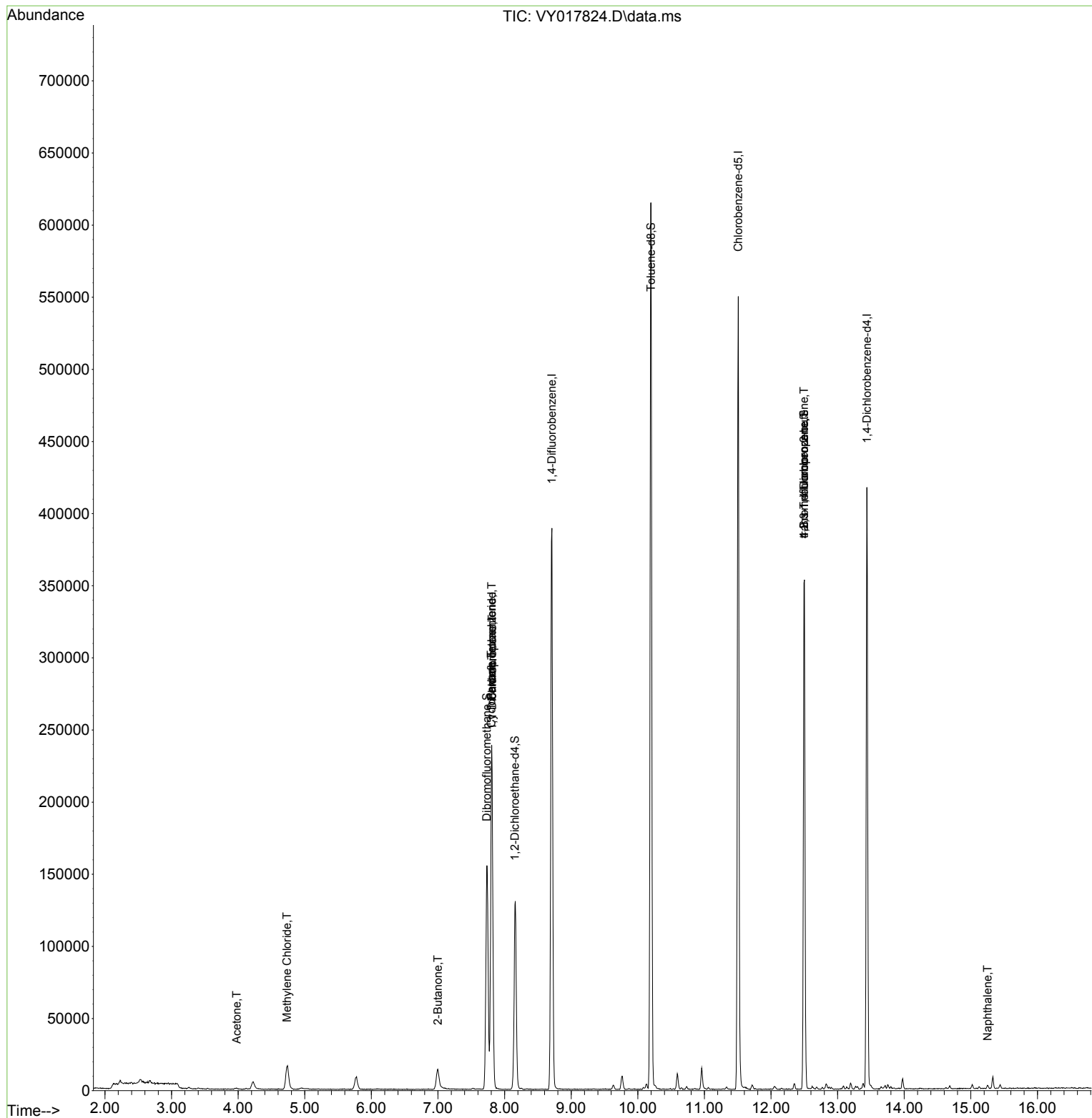
Internal Standards						
1) Pentafluorobenzene	7.807	168	191939	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.709	114	348811	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.508	117	304336	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.440	152	108193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	101032	60.829	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 121.660%	
35) Dibromofluoromethane	7.734	113	113288	56.206	ug/l	0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.420%	
50) Toluene-d8	10.197	98	407624	54.140	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 108.280%	
62) 4-Bromofluorobenzene	12.495	95	104445	45.595	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.180%	
Target Compounds						Qvalue
11) Tert butyl alcohol	4.954	59	1101	Below Cal	#	88
16) Acetone	3.979	43	1408	4.101	ug/l	88
20) Methylene Chloride	4.735	84	13255	3.850	ug/l	94
25) 2-Butanone	6.996	43	629	1.286	ug/l #	41
31) Cyclohexane	7.801	56	3694	1.262	ug/l #	5
36) 1,1-Dichloropropene	7.813	75	14410	4.900	ug/l #	48
38) Carbon Tetrachloride	7.807	117	17627	5.774	ug/l #	17
48) Methyl methacrylate	9.216	41	70	Below Cal	#	7
51) 4-Methyl-2-Pentanone	10.087	43	844	Below Cal		87
56) Ethyl methacrylate	10.532	69	31	Below Cal	#	1
58) 2-Chloroethyl Vinyl ether	9.795	63	40	Below Cal	#	45
59) 2-Hexanone	10.849	43	403	Below Cal		97
69) o-Xylene	12.050	106	463	Below Cal		89
70) Styrene	12.063	104	747	Below Cal		95
74) N-amyl acetate	12.160	43	405	Below Cal	#	74
76) 1,2,3-Trichloropropane	12.495	75	54083	54.856	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.495	75	54083	106.972	ug/l #	16
95) Naphthalene	15.251	128	2384	1.802	ug/l #	93

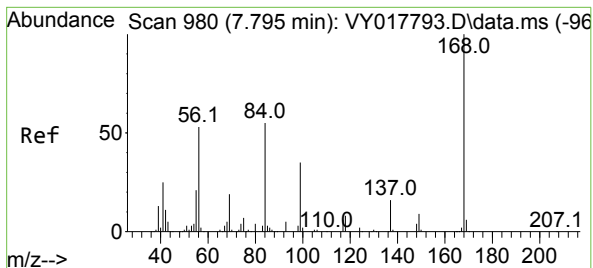
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Mar 30 05:58:13 2024
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.807 min Scan# 91

Delta R.T. 0.012 min

Lab File: VY017824.D

Acq: 03 Apr 2024 10:04

Instrument :

MSVOA_Y

ClientSampleId :

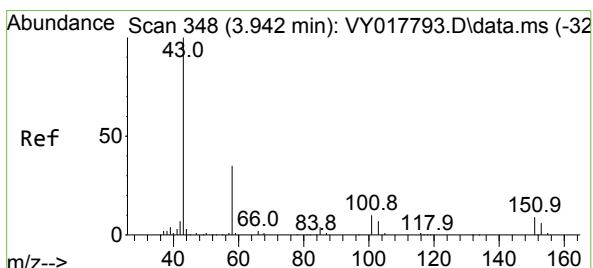
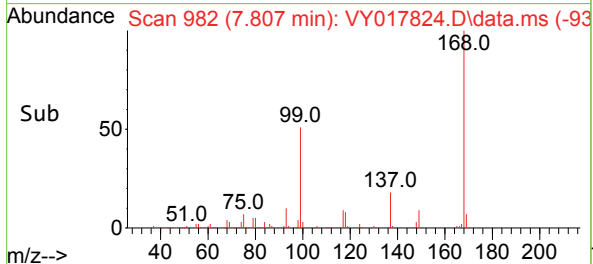
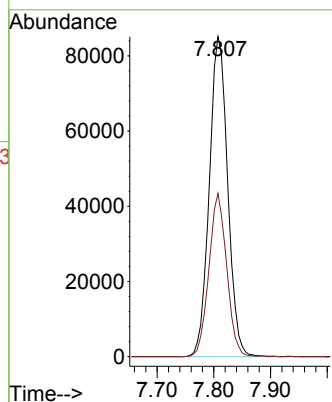
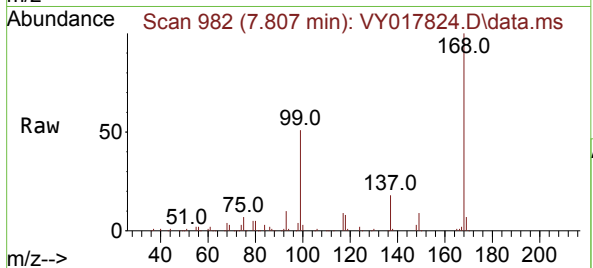
VY0403SBL01

Tgt Ion:168 Resp: 191939

Ion Ratio Lower Upper

168 100

99 51.0 39.1 58.7



#16

Acetone

Concen: 4.101 ug/l

RT: 3.979 min Scan# 354

Delta R.T. 0.037 min

Lab File: VY017824.D

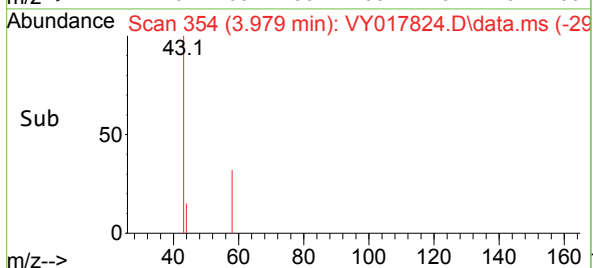
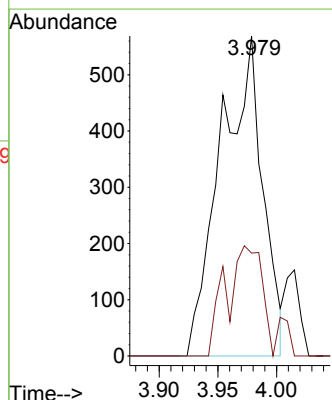
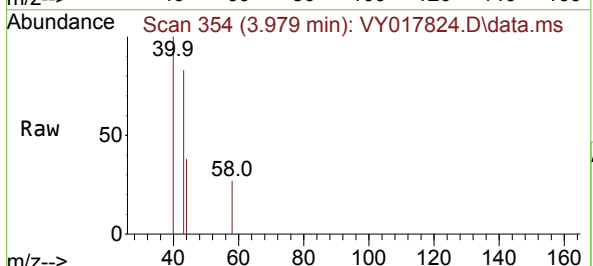
Acq: 03 Apr 2024 10:04

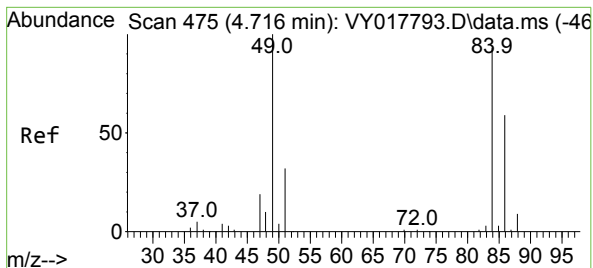
Tgt Ion: 43 Resp: 1408

Ion Ratio Lower Upper

43 100

58 32.2 31.7 47.5





#20

Methylene Chloride

Concen: 3.850 ug/l

RT: 4.735 min Scan# 41

Delta R.T. 0.019 min

Lab File: VY017824.D

Acq: 03 Apr 2024 10:04

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBL01

Tgt Ion: 84 Resp: 13255

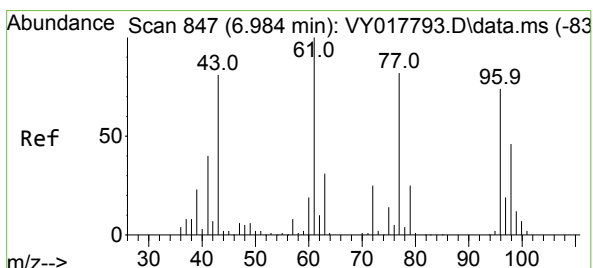
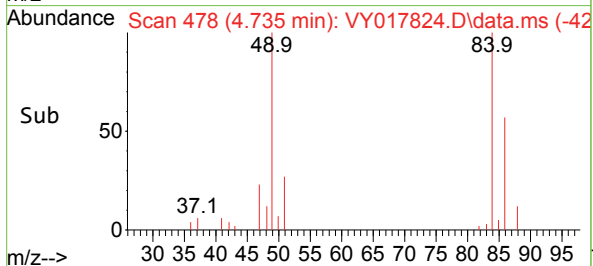
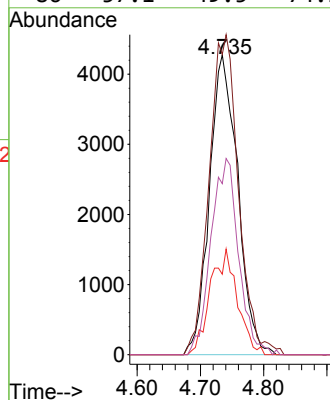
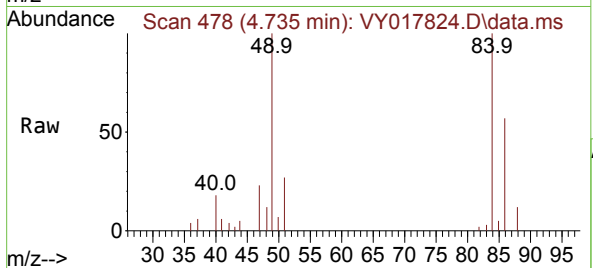
Ion Ratio Lower Upper

84 100

49 100.2 84.4 126.6

51 26.9 26.0 39.0

86 57.1 49.5 74.3



#25

2-Butanone

Concen: 1.286 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY017824.D

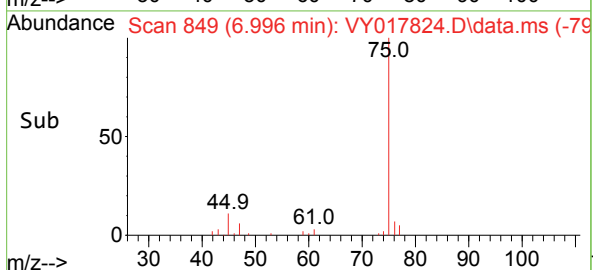
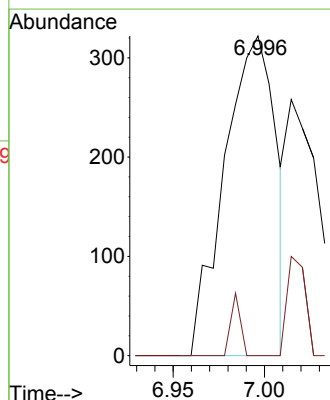
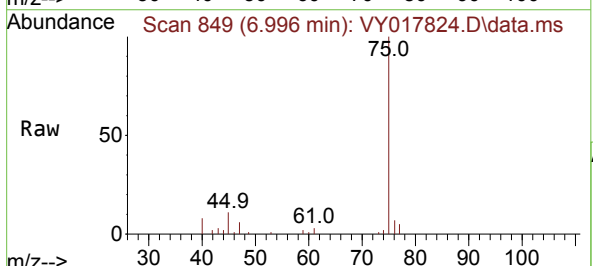
Acq: 03 Apr 2024 10:04

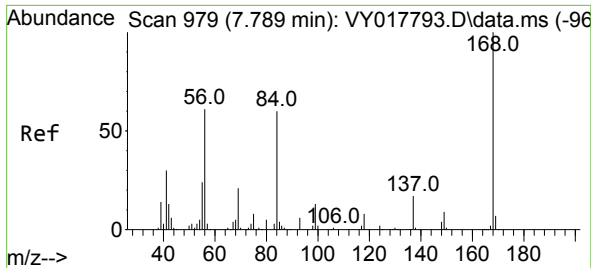
Tgt Ion: 43 Resp: 629

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#

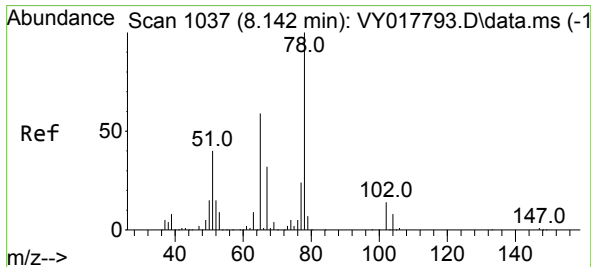
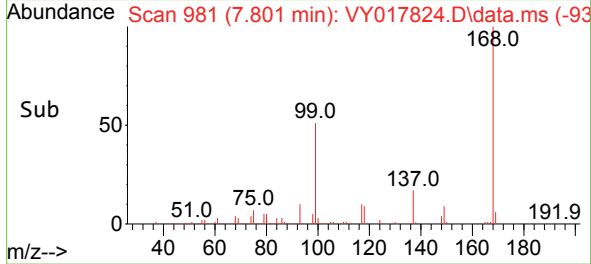
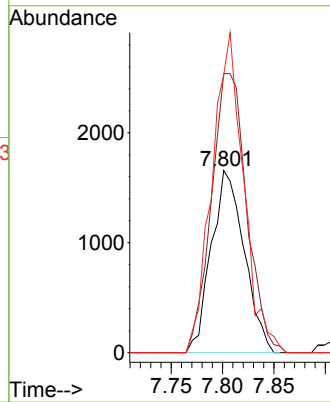
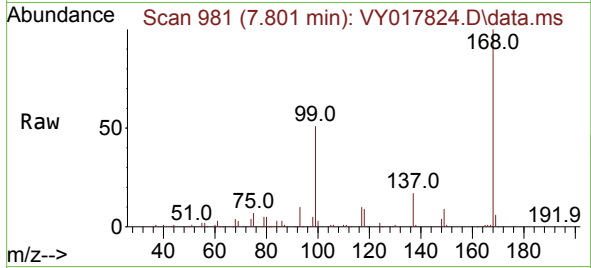




#31
Cyclohexane
Concen: 1.262 ug/l
RT: 7.801 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017824.D
Acq: 03 Apr 2024 10:04

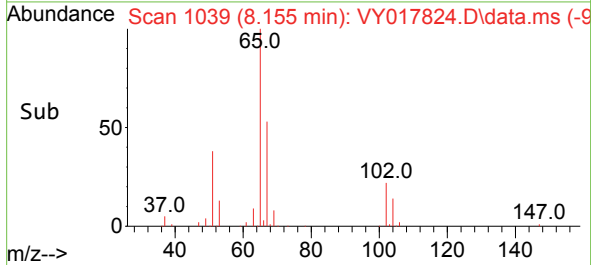
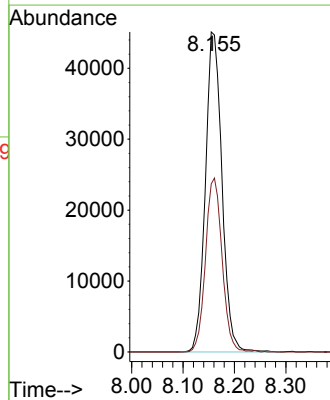
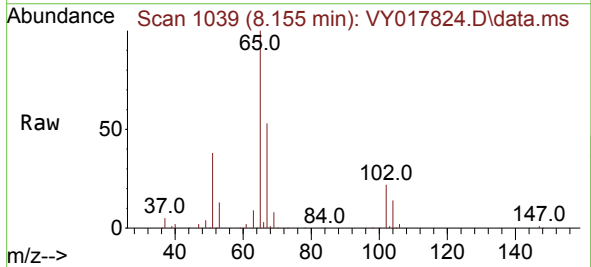
Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBL01

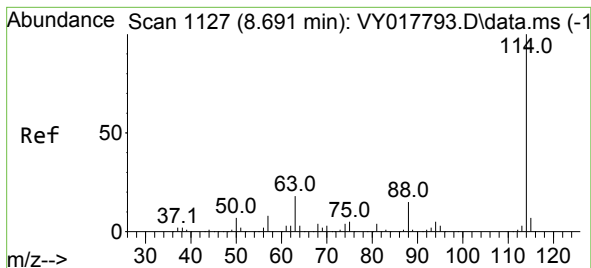
Tgt Ion: 56 Resp: 3694
Ion Ratio Lower Upper
56 100
69 153.1 28.7 43.1#
84 152.4 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 60.829 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.012 min
Lab File: VY017824.D
Acq: 03 Apr 2024 10:04

Tgt Ion: 65 Resp: 101032
Ion Ratio Lower Upper
65 100
67 54.3 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1127

Delta R.T. 0.018 min

Lab File: VY017824.D

Acq: 03 Apr 2024 10:04

Instrument :

MSVOA_Y

ClientSampleId :

VY0403SBL01

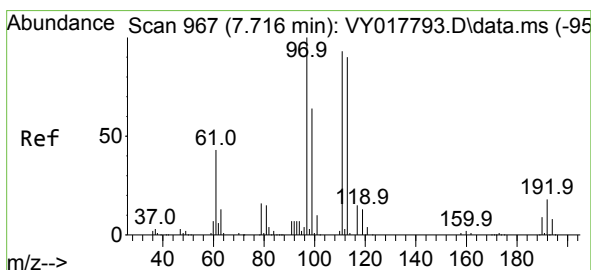
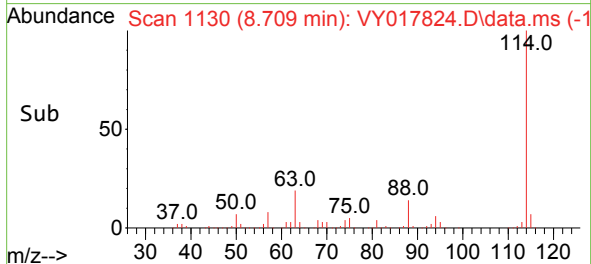
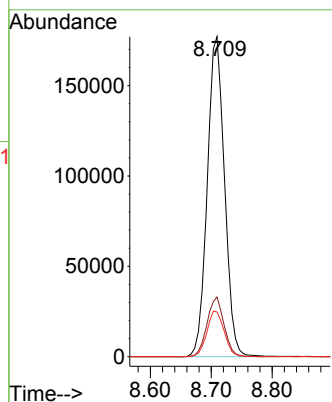
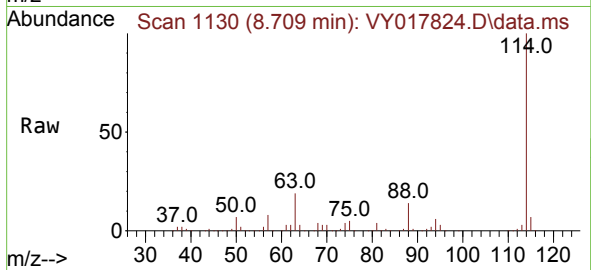
Tgt Ion:114 Resp: 348811

Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.0

88 14.0 0.0 27.2



#35

Dibromofluoromethane

Concen: 56.206 ug/l

RT: 7.734 min Scan# 970

Delta R.T. 0.018 min

Lab File: VY017824.D

Acq: 03 Apr 2024 10:04

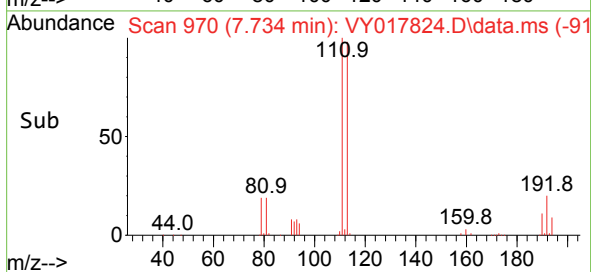
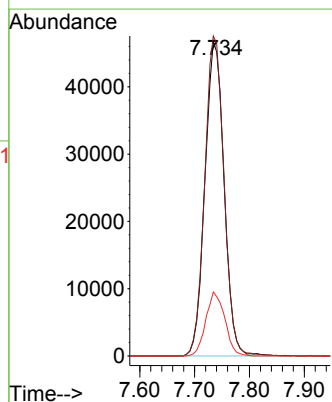
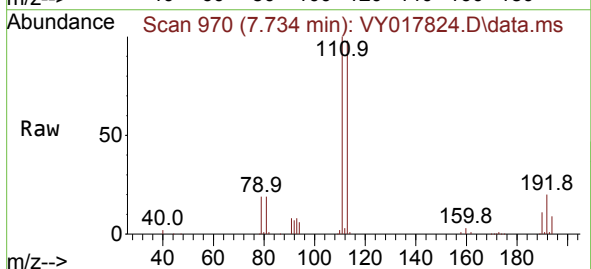
Tgt Ion:113 Resp: 113288

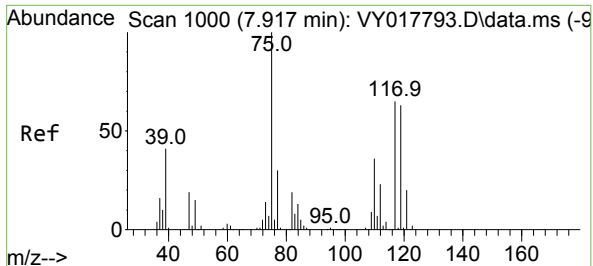
Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

192 20.1 15.9 23.9

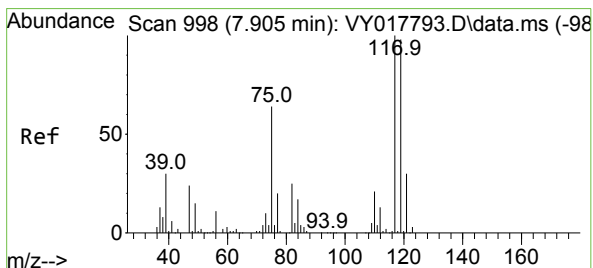
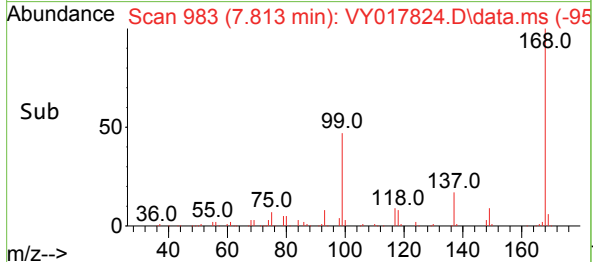
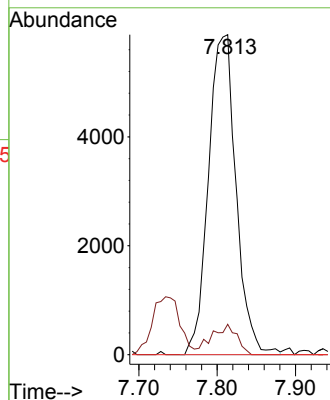
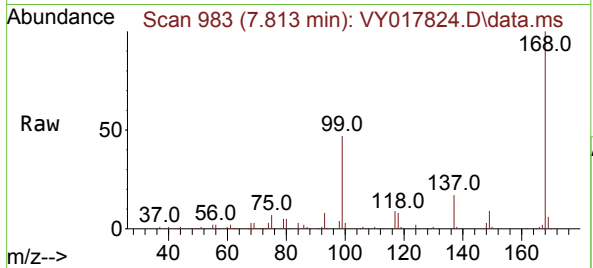




#36
 1,1-Dichloropropene
 Concen: 4.900 ug/l
 RT: 7.813 min Scan# 91
 Delta R.T. -0.104 min
 Lab File: VY017824.D
 Acq: 03 Apr 2024 10:04

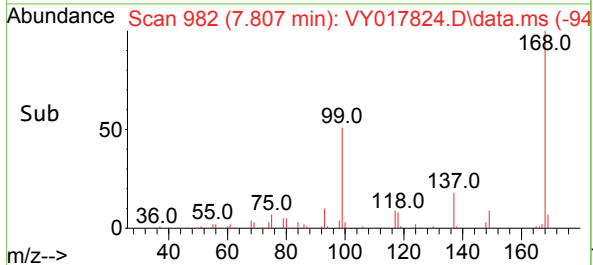
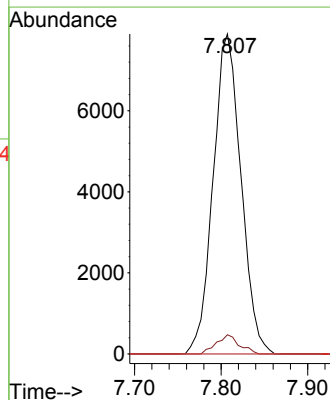
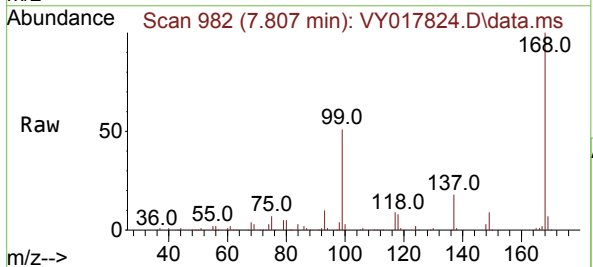
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0403SBL01

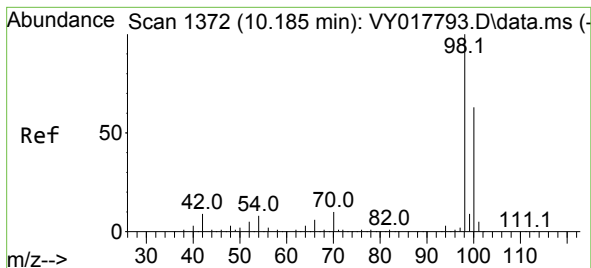
Tgt Ion: 75 Resp: 14410
 Ion Ratio Lower Upper
 75 100
 110 8.7 19.0 57.0#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 5.774 ug/l
 RT: 7.807 min Scan# 982
 Delta R.T. -0.097 min
 Lab File: VY017824.D
 Acq: 03 Apr 2024 10:04

Tgt Ion: 117 Resp: 17627
 Ion Ratio Lower Upper
 117 100
 119 6.0 75.8 113.6#
 121 0.0 24.0 36.0#





#50

Toluene-d8

Concen: 54.140 ug/l

RT: 10.197 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY017824.D

Acq: 03 Apr 2024 10:04

Instrument :

MSVOA_Y

ClientSampleId :

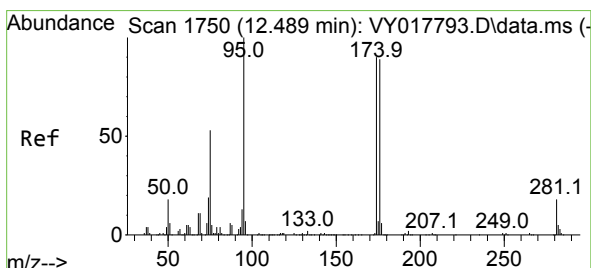
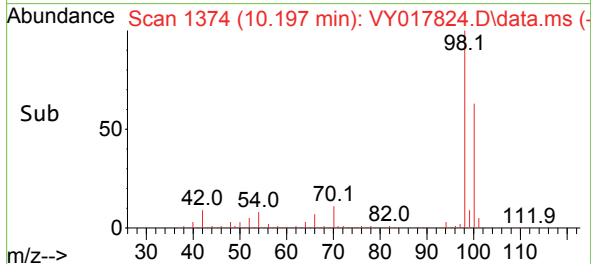
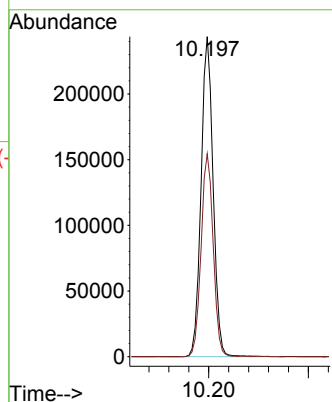
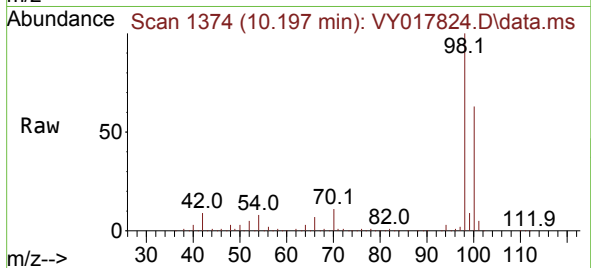
VY0403SBL01

Tgt Ion: 98 Resp: 407624

Ion Ratio Lower Upper

98 100

100 63.6 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 45.595 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY017824.D

Acq: 03 Apr 2024 10:04

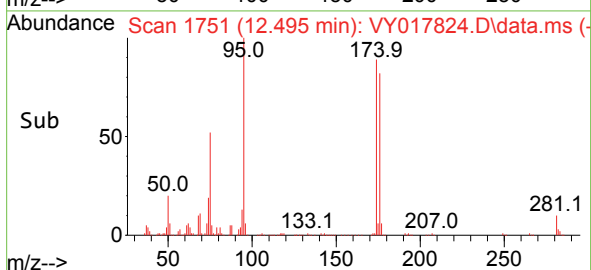
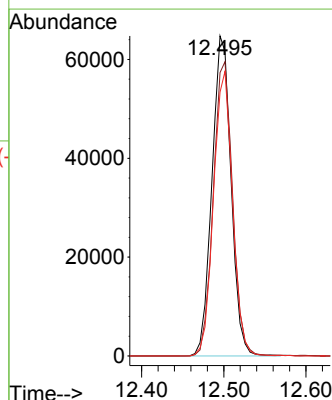
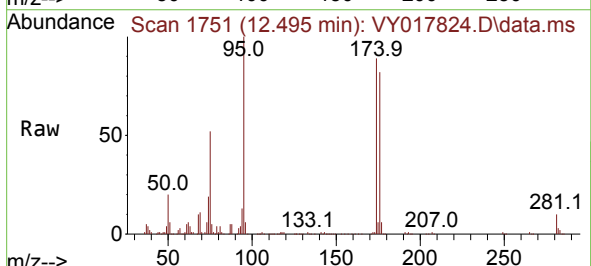
Tgt Ion: 95 Resp: 104445

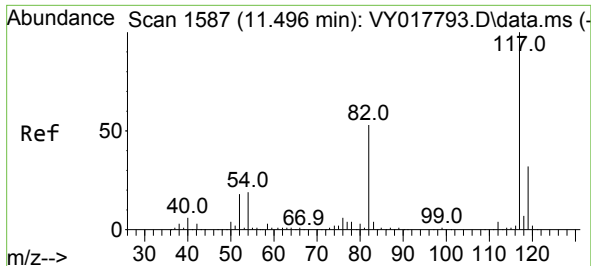
Ion Ratio Lower Upper

95 100

174 92.9 0.0 175.6

176 88.5 0.0 171.4

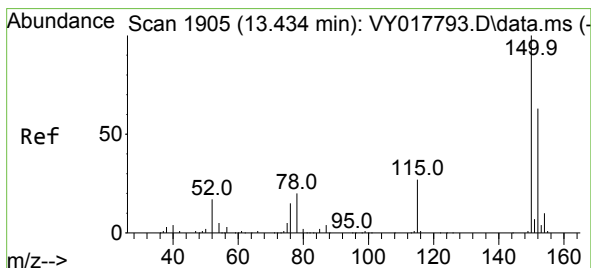
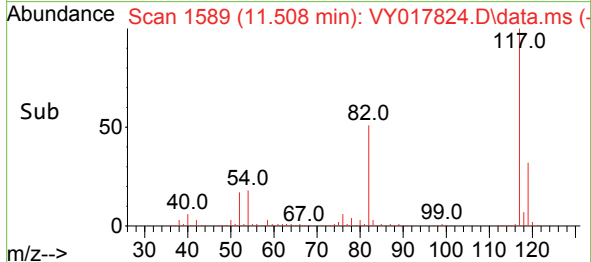
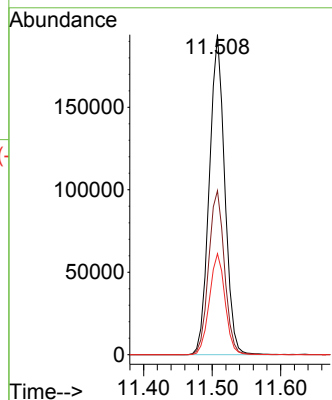
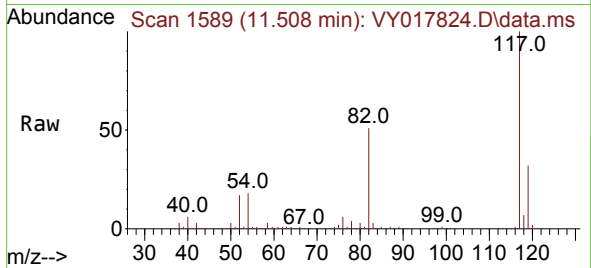




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.508 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY017824.D
Acq: 03 Apr 2024 10:04

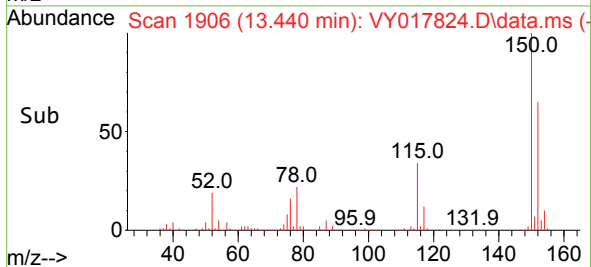
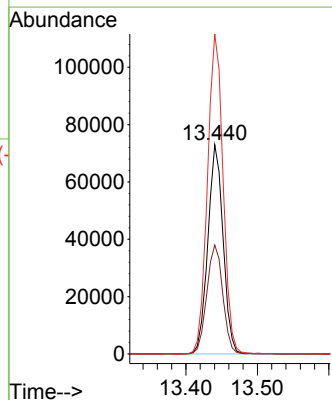
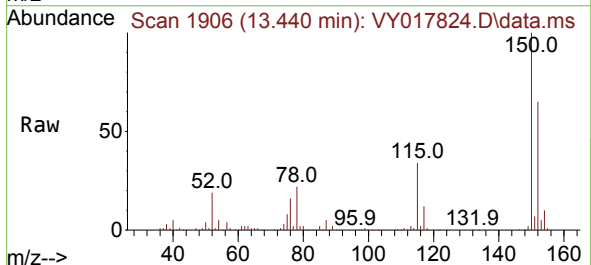
Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBL01

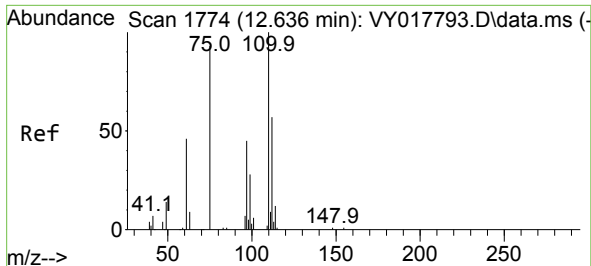
Tgt Ion:117 Resp: 304336
Ion Ratio Lower Upper
117 100
82 51.3 42.4 63.6
119 31.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.440 min Scan# 1906
Delta R.T. 0.006 min
Lab File: VY017824.D
Acq: 03 Apr 2024 10:04

Tgt Ion:152 Resp: 108193
Ion Ratio Lower Upper
152 100
115 54.5 28.2 84.7
150 156.6 0.0 345.6

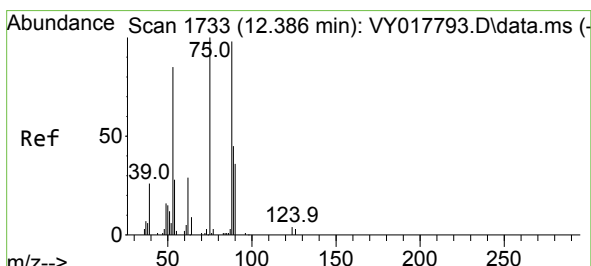
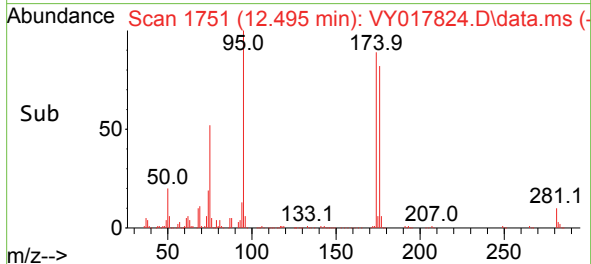
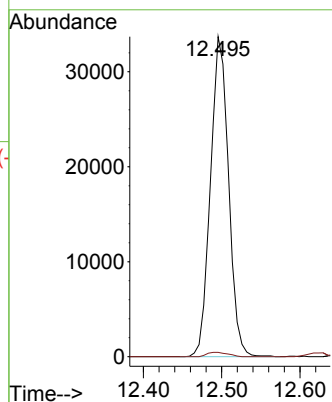
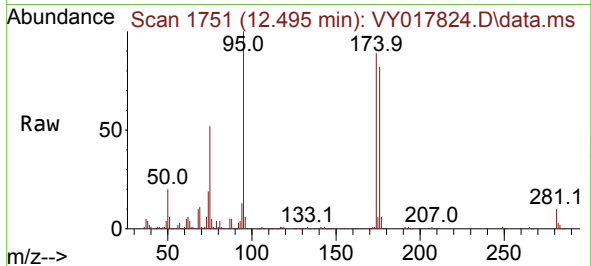




#76
1,2,3-Trichloropropane
Concen: 54.856 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. -0.140 min
Lab File: VY017824.D
Acq: 03 Apr 2024 10:04

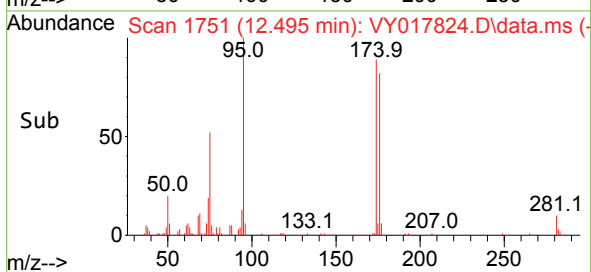
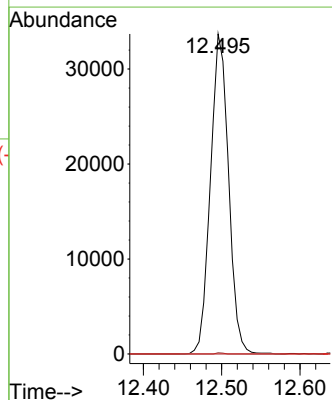
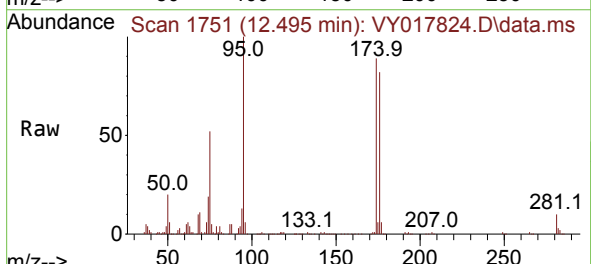
Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBL01

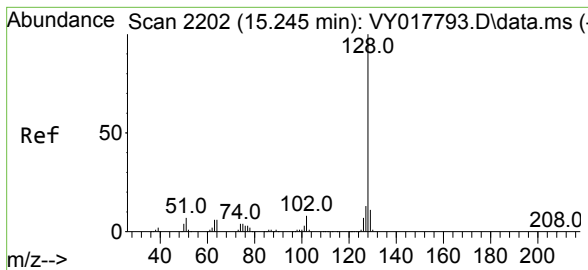
Tgt Ion: 75 Resp: 54083
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.972 ug/l
RT: 12.495 min Scan# 1751
Delta R.T. 0.109 min
Lab File: VY017824.D
Acq: 03 Apr 2024 10:04

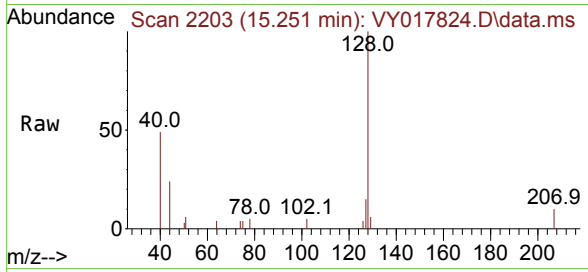
Tgt Ion: 75 Resp: 54083
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 1.802 ug/l
RT: 15.251 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY017824.D
Acq: 03 Apr 2024 10:04

Instrument :
MSVOA_Y
ClientSampleId :
VY0403SBL01



Tgt Ion:	128	Resp:	2384
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	16.0
129	5.2	8.6	13.0#

