

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032724\
 Data File : VY017783.D
 Acq On : 27 Mar 2024 15:59
 Operator : SY/MD
 Sample : P1877-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TRE-1291

Quant Time: Mar 28 02:18:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032224S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 04:03:52 2024
 Response via : Initial Calibration

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

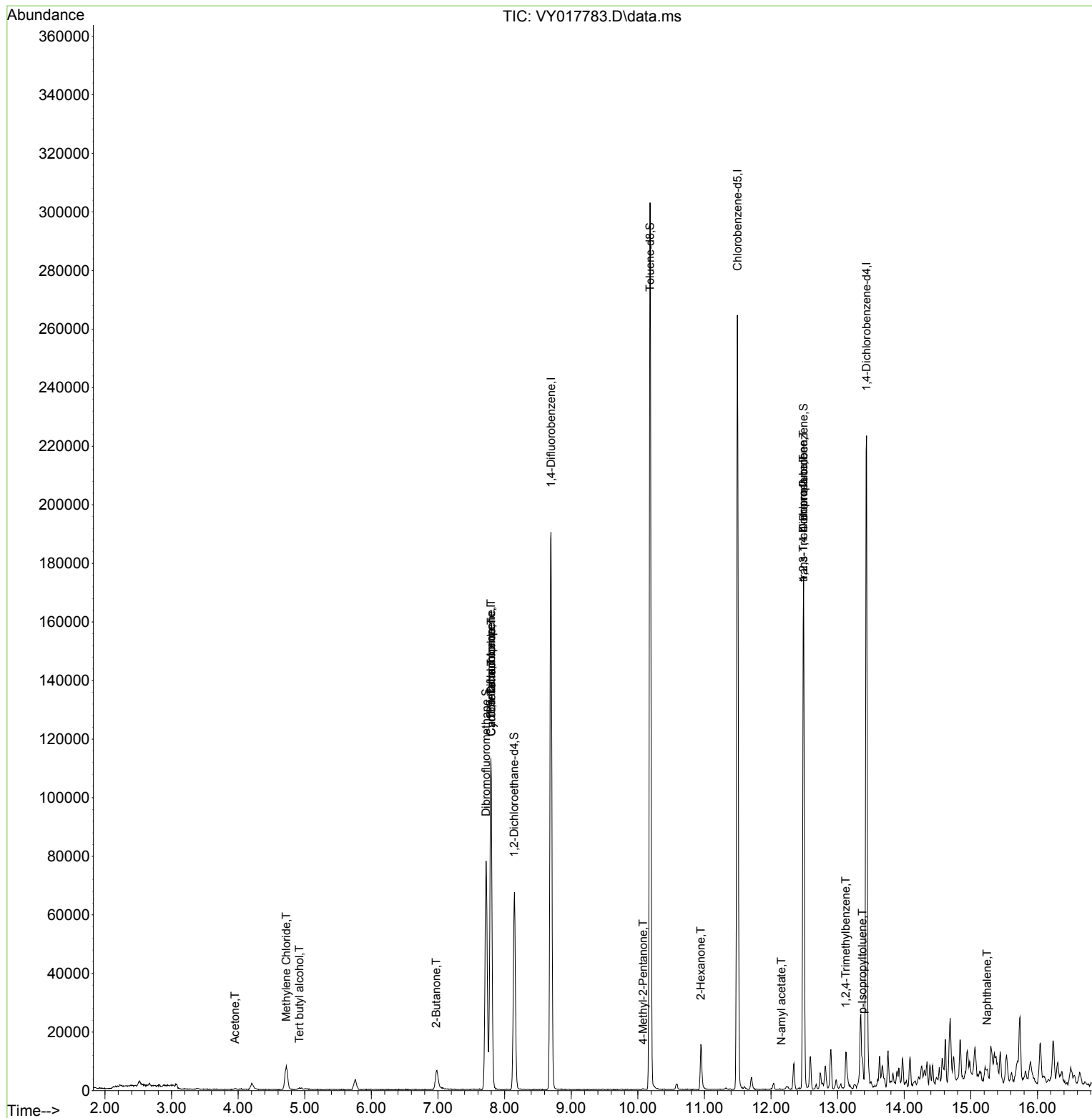
Internal Standards						
1) Pentafluorobenzene	7.795	168	87238	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.697	114	166428	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	142866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	55932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	51698	68.024	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.040%	
35) Dibromofluoromethane	7.722	113	54637	54.921	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.840%	
50) Toluene-d8	10.185	98	192779	50.632	ug/l	-0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.260%	
62) 4-Bromofluorobenzene	12.489	95	50656	44.306	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.620%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.918	59	642	12.700	ug/l #	88
16) Acetone	3.954	43	640	4.815	ug/l #	36
20) Methylene Chloride	4.722	84	5988	6.194	ug/l	94
25) 2-Butanone	6.972	43	159	8.652	ug/l #	41
31) Cyclohexane	7.801	56	2068	1.376	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	6790	4.418	ug/l #	47
38) Carbon Tetrachloride	7.801	117	8164	5.073	ug/l #	18
51) 4-Methyl-2-Pentanone	10.081	43	337	6.165	ug/l #	31
59) 2-Hexanone	10.947	43	144	9.798	ug/l #	19
74) N-amyl acetate	12.154	43	19	2.336	ug/l #	37
76) 1,2,3-Trichloropropane	12.483	75	27150	52.565	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	27150	121.463	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.123	105	6772	2.089	ug/l	93
86) p-Isopropyltoluene	13.373	119	4933	1.325	ug/l #	74
95) Naphthalene	15.245	128	1920	3.867	ug/l #	90

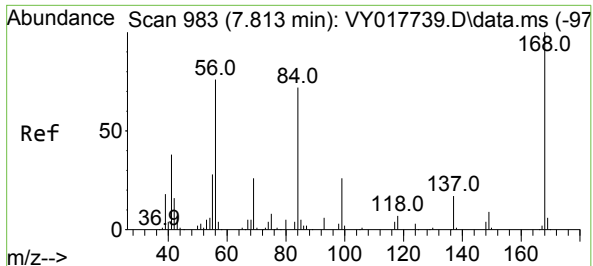
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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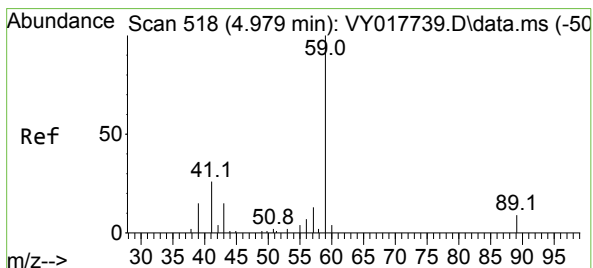
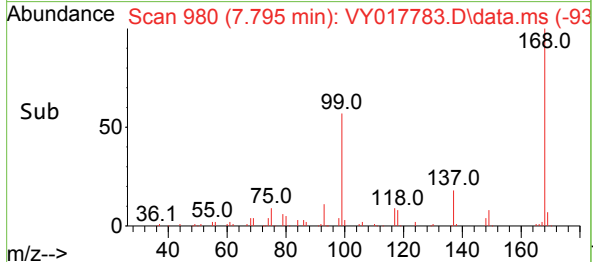
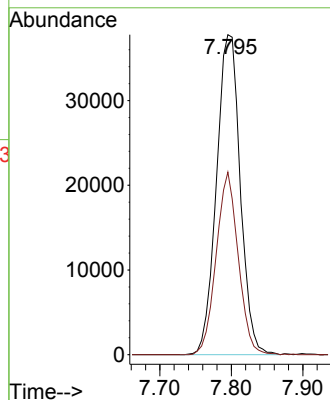
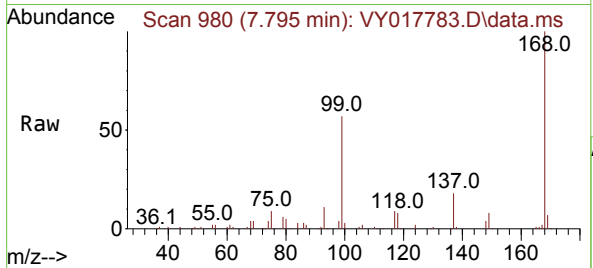




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY017783.D
Acq: 27 Mar 2024 15:59

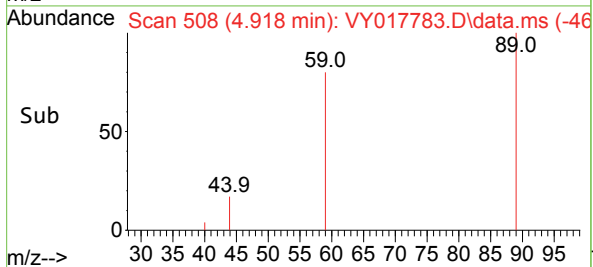
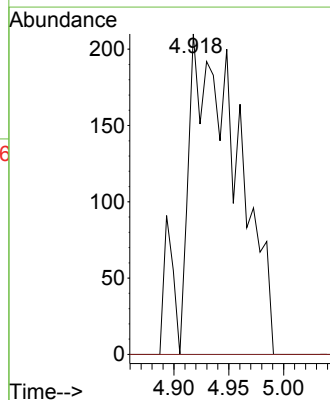
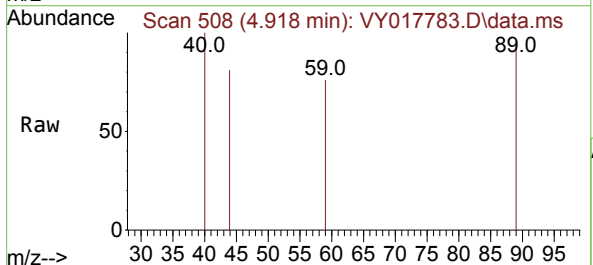
Instrument :
MSVOA_Y
ClientSampleId :
TRE-1291

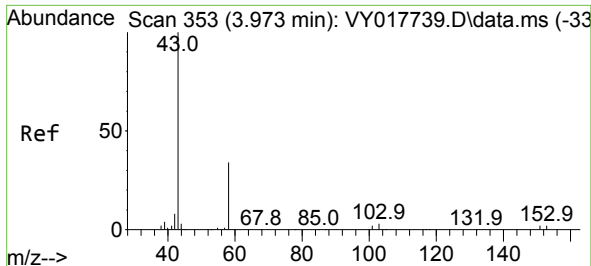
Tgt Ion:168 Resp: 87238
Ion Ratio Lower Upper
168 100
99 57.1 39.1 58.7



#11
Tert butyl alcohol
Concen: 12.700 ug/l
RT: 4.918 min Scan# 508
Delta R.T. -0.061 min
Lab File: VY017783.D
Acq: 27 Mar 2024 15:59

Tgt Ion: 59 Resp: 642
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#





#16

Acetone

Concen: 4.815 ug/l

RT: 3.954 min Scan# 3

Delta R.T. -0.018 min

Lab File: VY017783.D

Acq: 27 Mar 2024 15:59

Instrument :

MSVOA_Y

ClientSampleId :

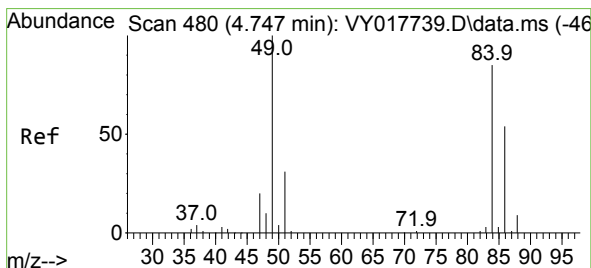
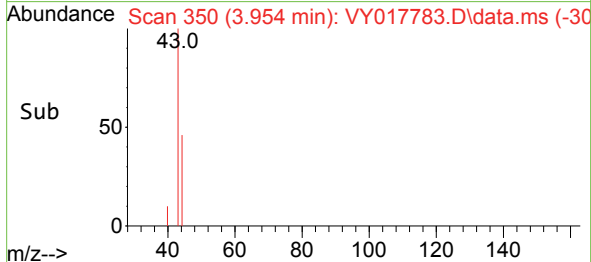
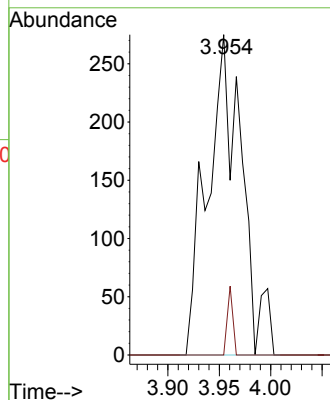
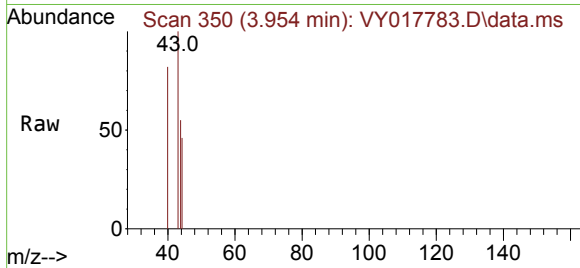
TRE-1291

Tgt Ion: 43 Resp: 640

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: 6.194 ug/l

RT: 4.722 min Scan# 476

Delta R.T. -0.024 min

Lab File: VY017783.D

Acq: 27 Mar 2024 15:59

Tgt Ion: 84 Resp: 5988

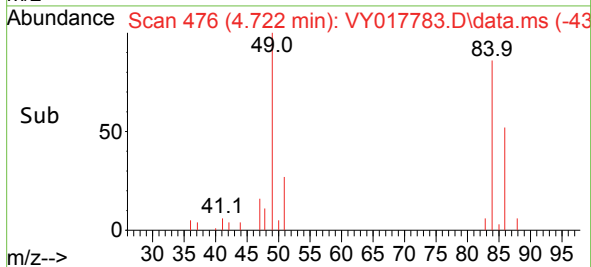
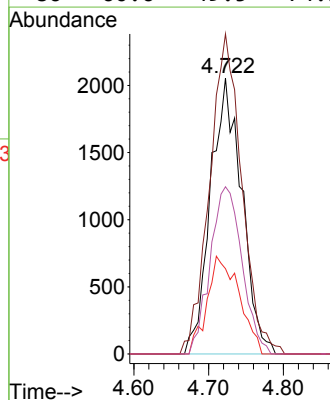
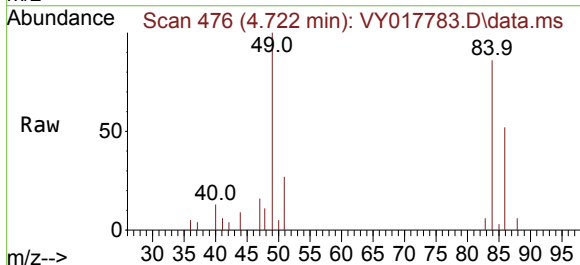
Ion Ratio Lower Upper

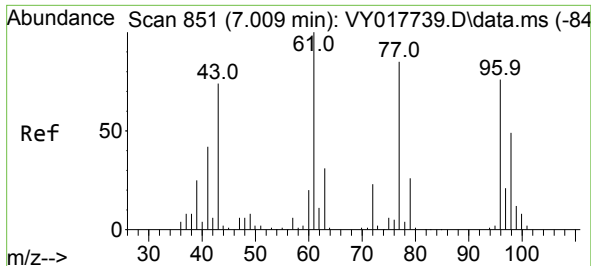
84 100

49 116.0 84.4 126.6

51 30.9 26.0 39.0

86 60.6 49.5 74.3

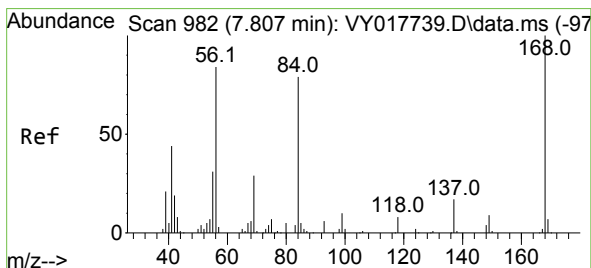
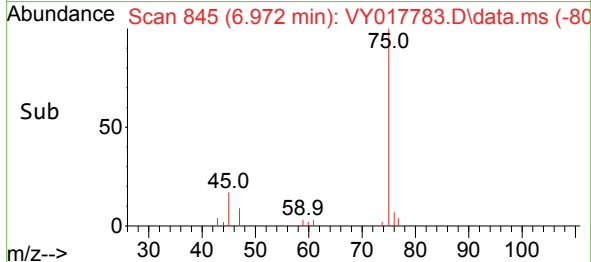
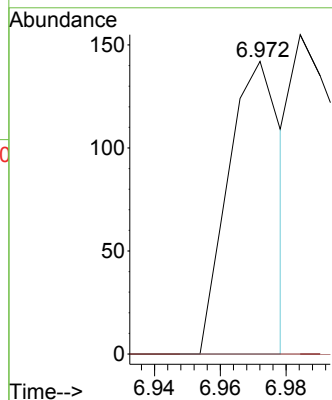
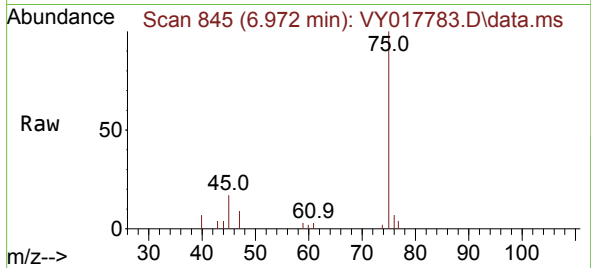




#25
2-Butanone
Concen: 8.652 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.037 min
Lab File: VY017783.D
Acq: 27 Mar 2024 15:59

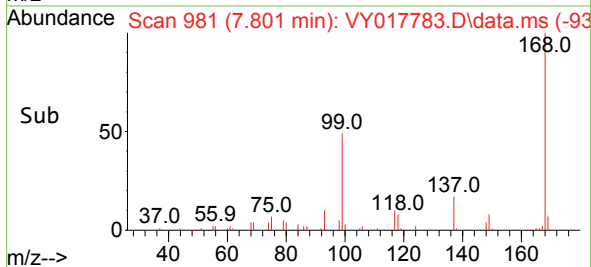
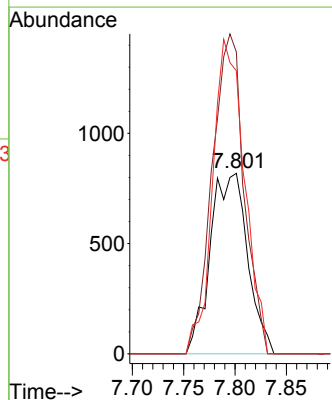
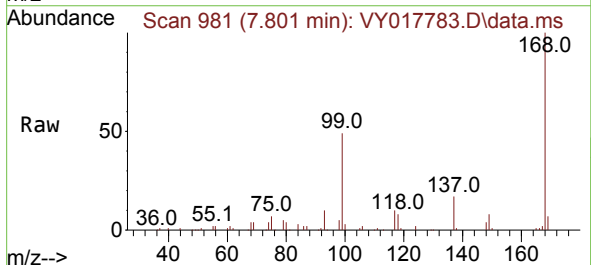
Instrument :
MSVOA_Y
ClientSampleId :
TRE-1291

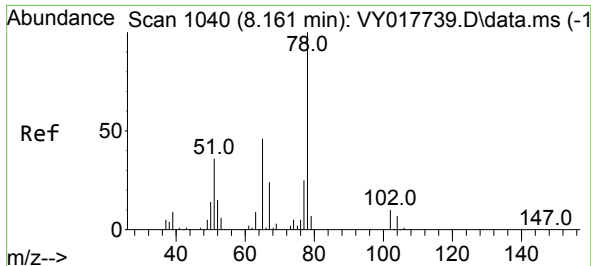
Tgt Ion: 43 Resp: 159
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#31
Cyclohexane
Concen: 1.376 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY017783.D
Acq: 27 Mar 2024 15:59

Tgt Ion: 56 Resp: 2068
Ion Ratio Lower Upper
56 100
69 167.2 28.7 43.1#
84 156.8 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 68.024 ug/l

RT: 8.143 min Scan# 110

Delta R.T. -0.018 min

Lab File: VY017783.D

Acq: 27 Mar 2024 15:59

Instrument :

MSVOA_Y

ClientSampleId :

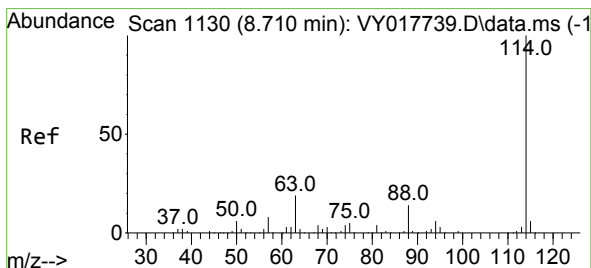
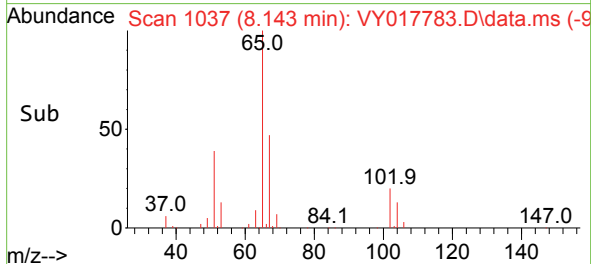
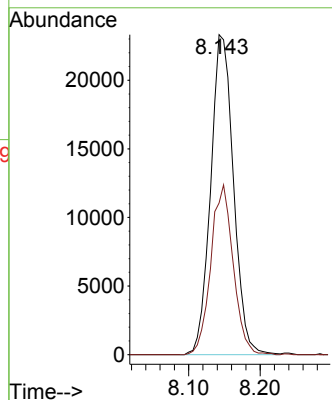
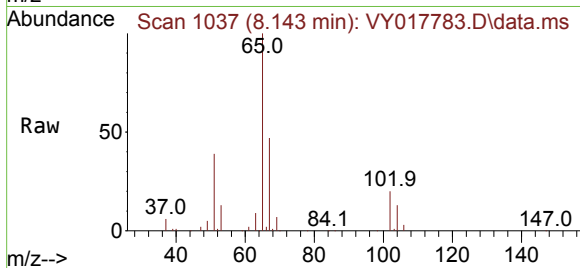
TRE-1291

Tgt Ion: 65 Resp: 51698

Ion Ratio Lower Upper

65 100

67 52.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.012 min

Lab File: VY017783.D

Acq: 27 Mar 2024 15:59

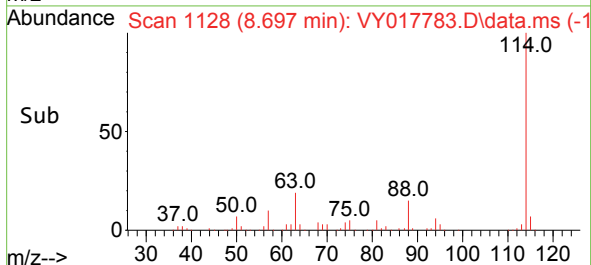
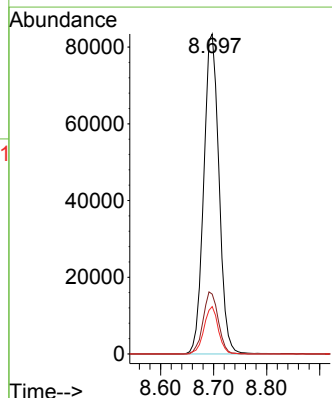
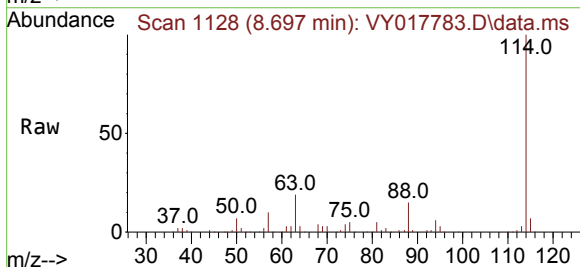
Tgt Ion: 114 Resp: 166428

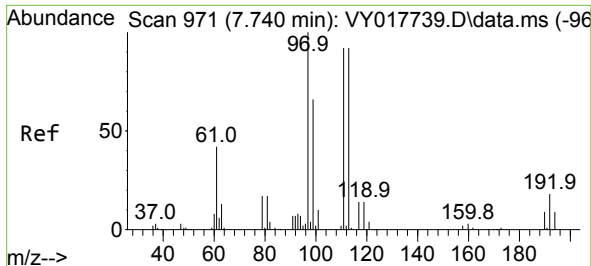
Ion Ratio Lower Upper

114 100

63 18.7 0.0 35.0

88 14.8 0.0 27.2

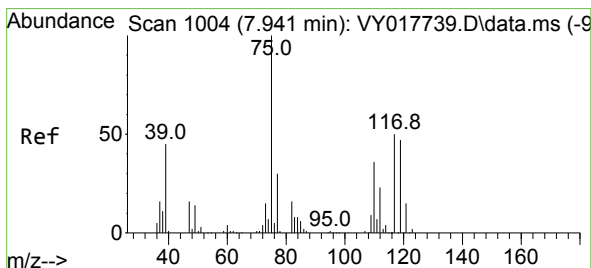
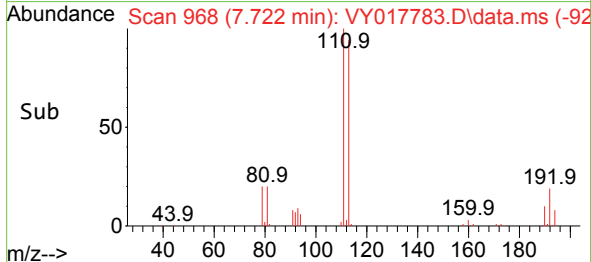
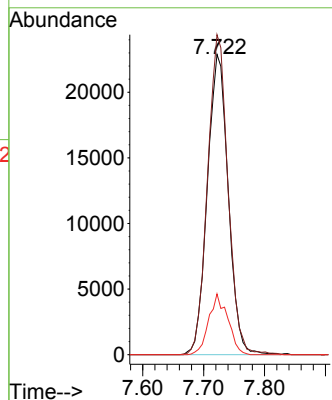
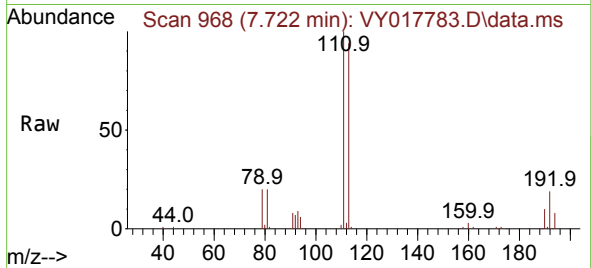




#35
Dibromofluoromethane
Concen: 54.921 ug/l
RT: 7.722 min Scan# 90
Delta R.T. -0.018 min
Lab File: VY017783.D
Acq: 27 Mar 2024 15:59

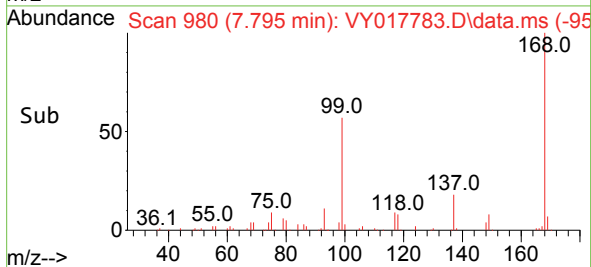
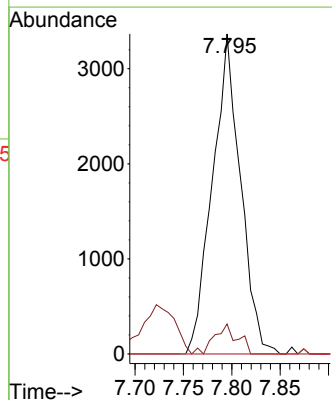
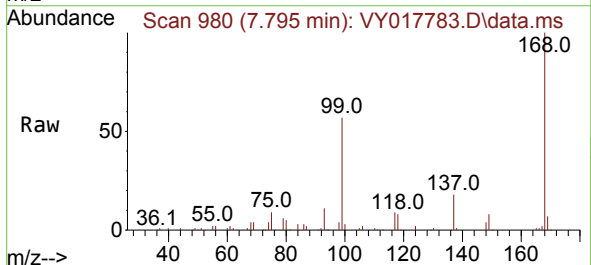
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ClientSampleId :
TRE-1291

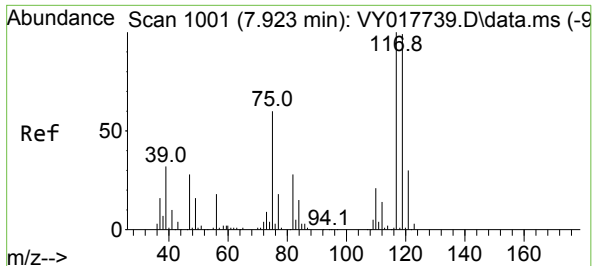
Tgt Ion:113 Resp: 54637
Ion Ratio Lower Upper
113 100
111 104.2 82.2 123.4
192 18.5 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.418 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.146 min
Lab File: VY017783.D
Acq: 27 Mar 2024 15:59

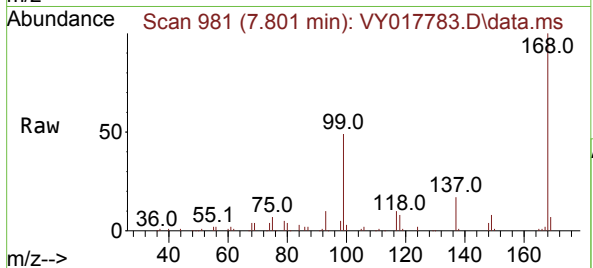
Tgt Ion: 75 Resp: 6790
Ion Ratio Lower Upper
75 100
110 7.7 19.0 57.0#
77 0.0 25.3 37.9#



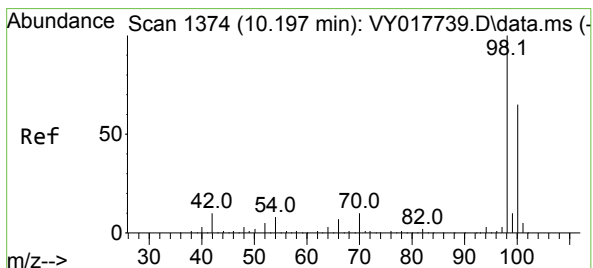
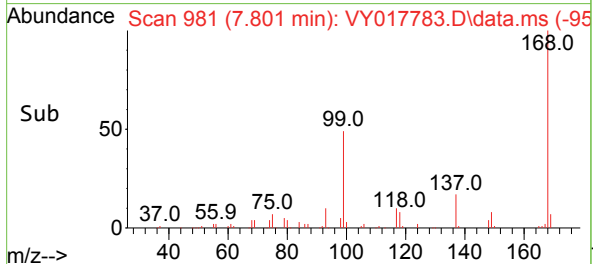
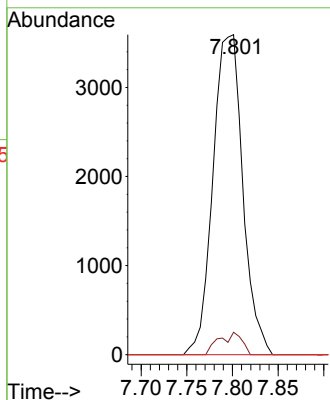


#38
Carbon Tetrachloride
Concen: 5.073 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY017783.D
Acq: 27 Mar 2024 15:59

Instrument :
MSVOA_Y
ClientSampleId :
TRE-1291

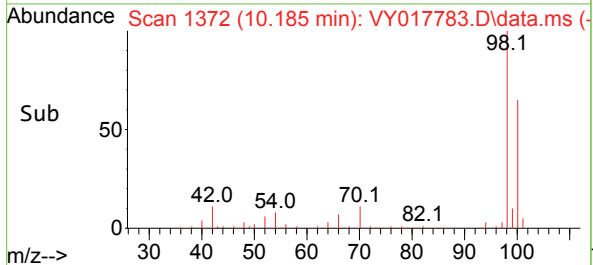
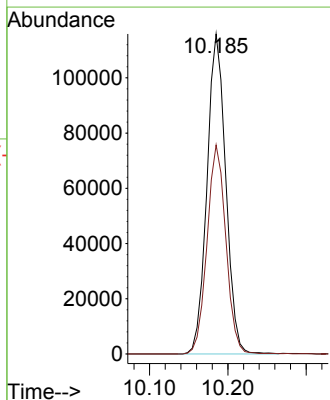
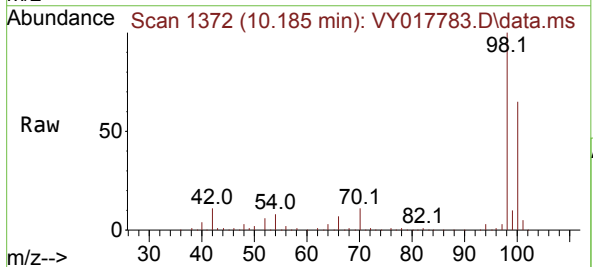


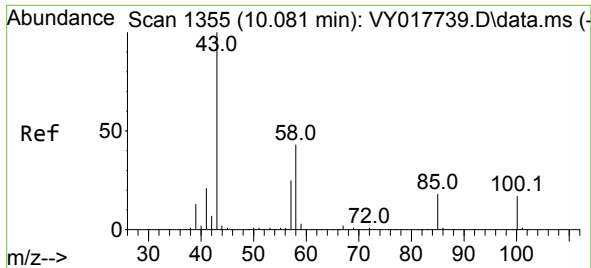
Tgt Ion:117 Resp: 8164
Ion Ratio Lower Upper
117 100
119 7.0 75.8 113.6#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 50.632 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.012 min
Lab File: VY017783.D
Acq: 27 Mar 2024 15:59

Tgt Ion: 98 Resp: 192779
Ion Ratio Lower Upper
98 100
100 65.5 52.0 78.0

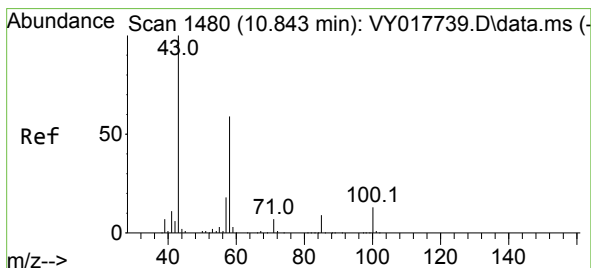
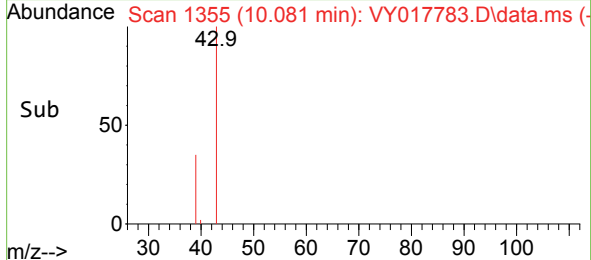
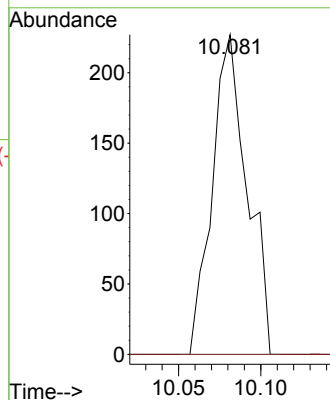
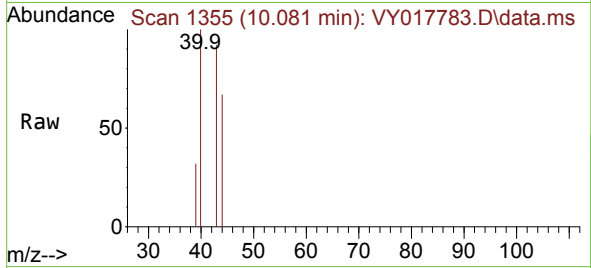




#51
4-Methyl-2-Pentanone
Concen: 6.165 ug/l
RT: 10.081 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY017783.D
Acq: 27 Mar 2024 15:59

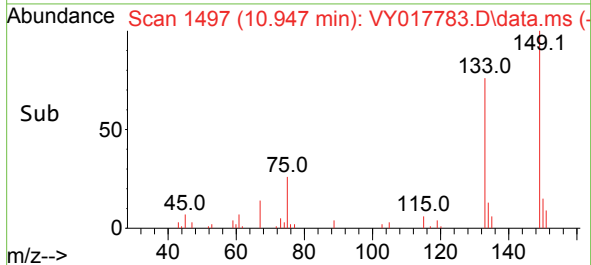
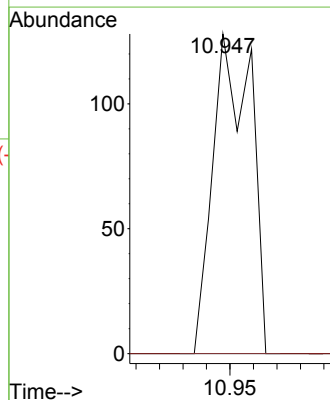
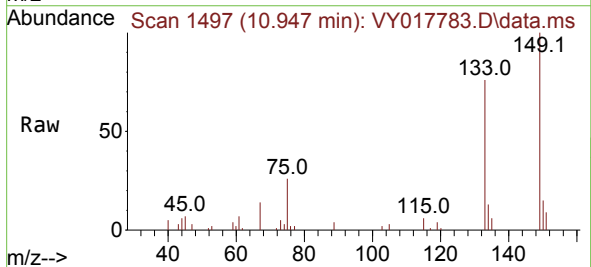
Instrument :
MSVOA_Y
ClientSampleId :
TRE-1291

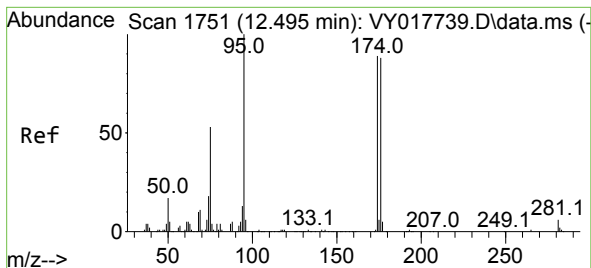
Tgt Ion: 43 Resp: 337
Ion Ratio Lower Upper
43 100
58 0.0 35.7 53.5#



#59
2-Hexanone
Concen: 9.798 ug/l
RT: 10.947 min Scan# 1497
Delta R.T. 0.104 min
Lab File: VY017783.D
Acq: 27 Mar 2024 15:59

Tgt Ion: 43 Resp: 144
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#

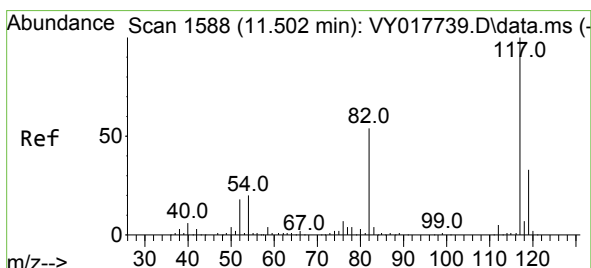
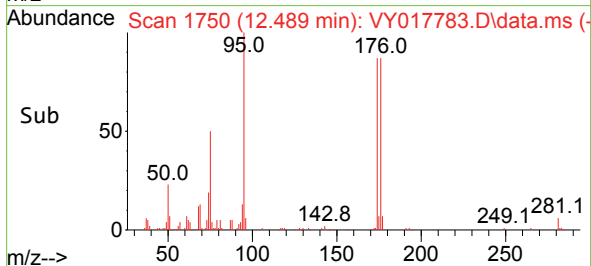
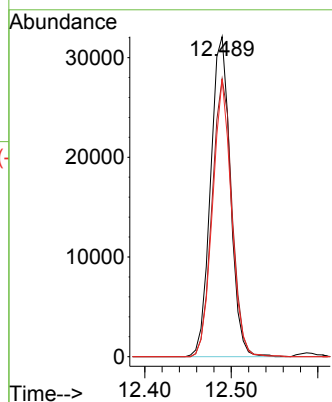
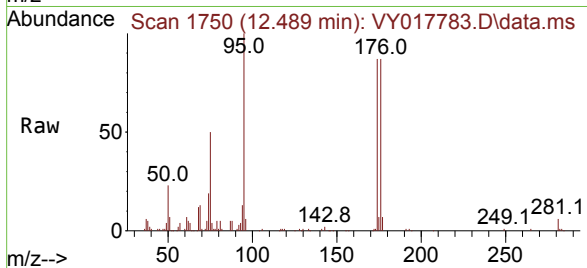




#62
4-Bromofluorobenzene
Concen: 44.306 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.006 min
Lab File: VY017783.D
Acq: 27 Mar 2024 15:59

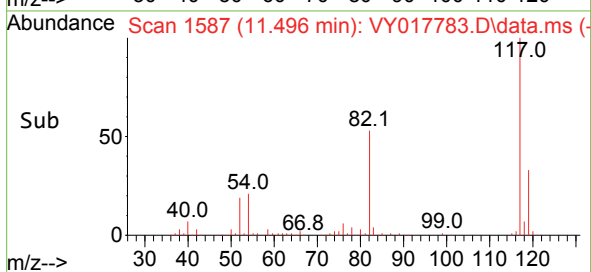
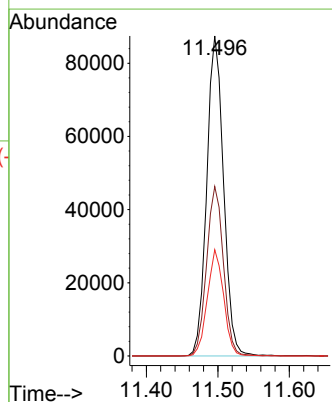
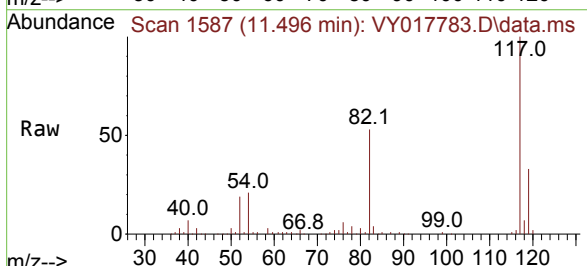
Instrument :
MSVOA_Y
ClientSampleId :
TRE-1291

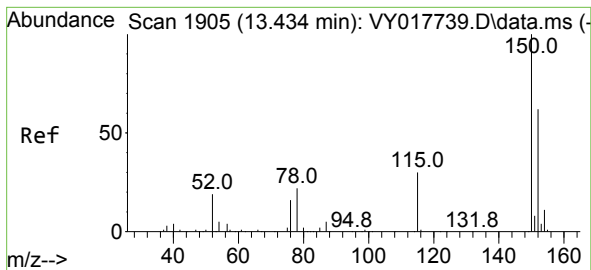
Tgt Ion: 95 Resp: 50656
Ion Ratio Lower Upper
95 100
174 88.4 0.0 175.6
176 83.4 0.0 171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.006 min
Lab File: VY017783.D
Acq: 27 Mar 2024 15:59

Tgt Ion: 117 Resp: 142866
Ion Ratio Lower Upper
117 100
82 52.9 42.4 63.6
119 33.2 25.9 38.9

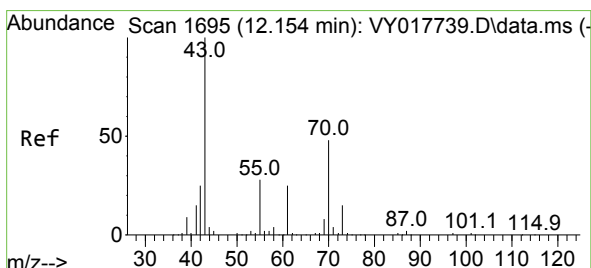
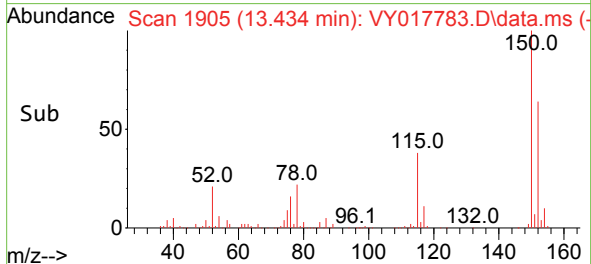
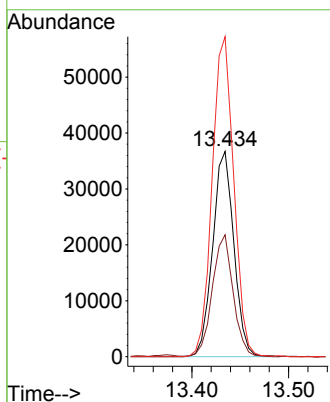
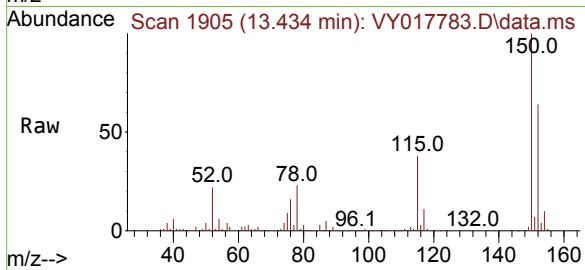




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1905
Delta R.T. 0.000 min
Lab File: VY017783.D
Acq: 27 Mar 2024 15:59

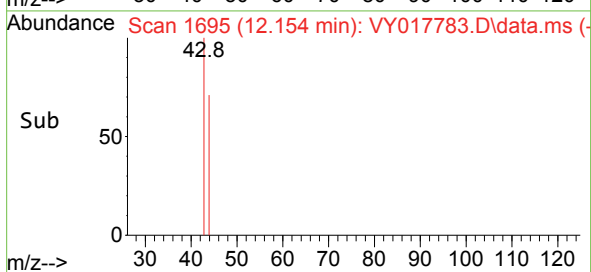
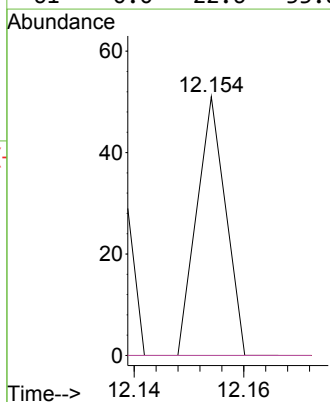
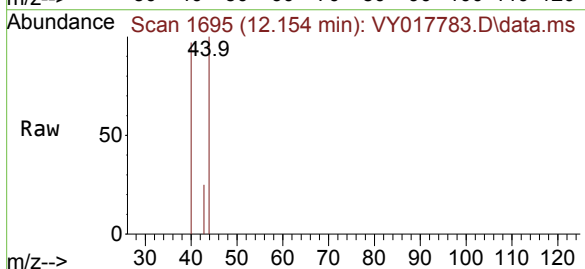
Instrument :
MSVOA_Y
ClientSampleId :
TRE-1291

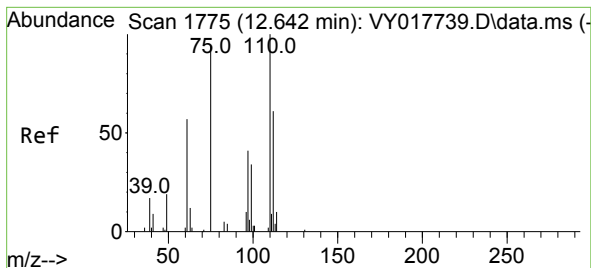
Tgt Ion:152 Resp: 55932
Ion Ratio Lower Upper
152 100
115 58.3 28.2 84.7
150 158.6 0.0 345.6



#74
N-ethyl acetate
Concen: 2.336 ug/l
RT: 12.154 min Scan# 1695
Delta R.T. 0.000 min
Lab File: VY017783.D
Acq: 27 Mar 2024 15:59

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
70 0.0 41.4 62.2#
55 0.0 23.3 34.9#
61 0.0 22.6 33.8#





#76

1,2,3-Trichloropropane

Concen: 52.565 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.159 min

Lab File: VY017783.D

Acq: 27 Mar 2024 15:59

Instrument :

MSVOA_Y

ClientSampleId :

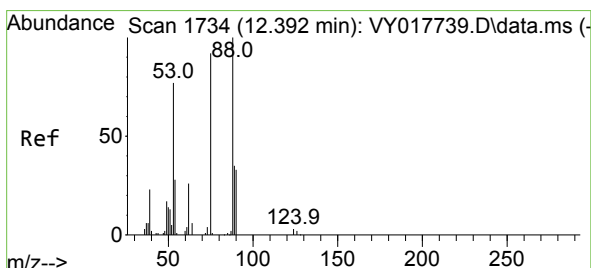
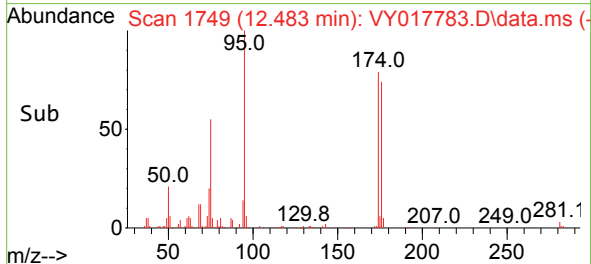
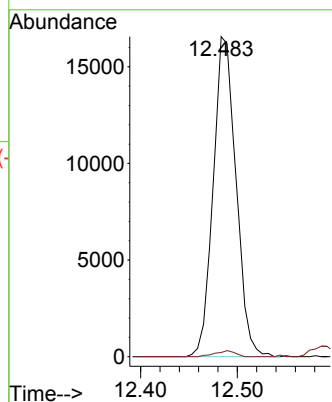
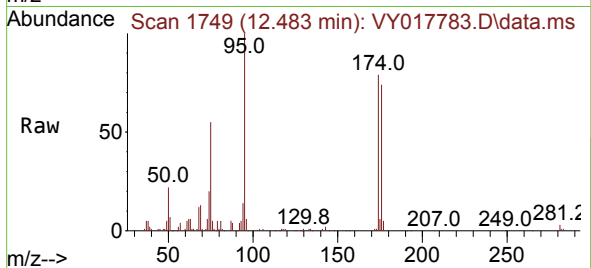
TRE-1291

Tgt Ion: 75 Resp: 27150

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 121.463 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.091 min

Lab File: VY017783.D

Acq: 27 Mar 2024 15:59

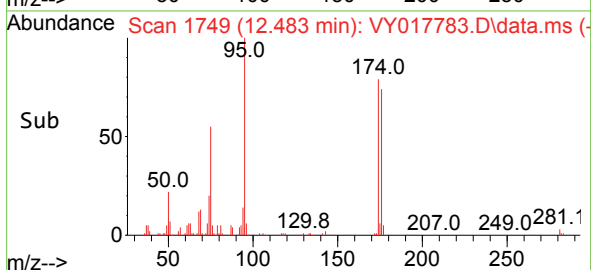
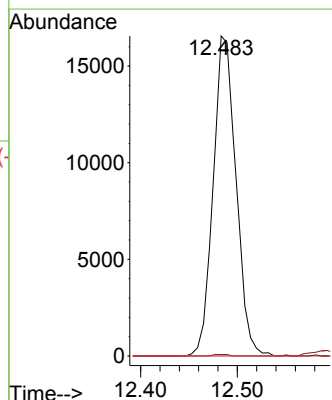
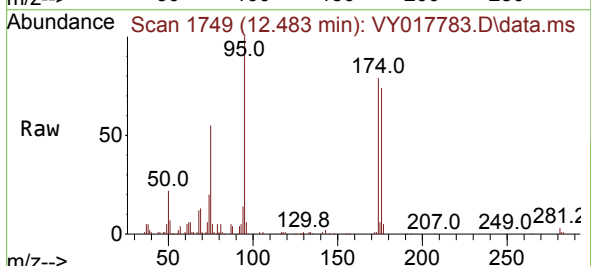
Tgt Ion: 75 Resp: 27150

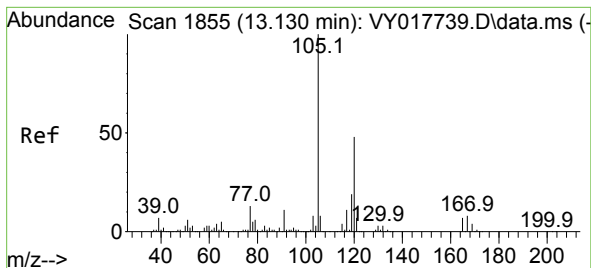
Ion Ratio Lower Upper

75 100

53 0.3 66.8 100.2#

89 0.0 35.8 53.6#





#84

1,2,4-Trimethylbenzene

Concen: 2.089 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.006 min

Lab File: VY017783.D

Acq: 27 Mar 2024 15:59

Instrument :

MSVOA_Y

ClientSampleId :

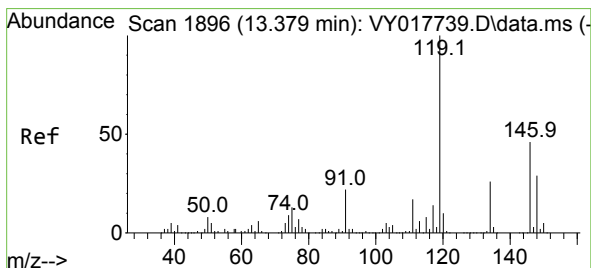
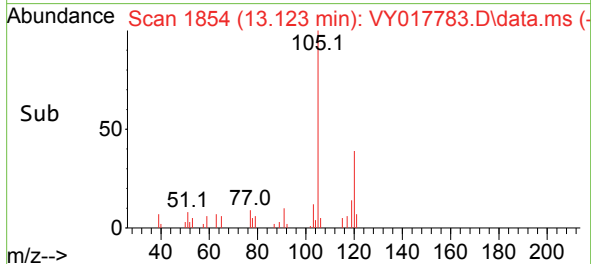
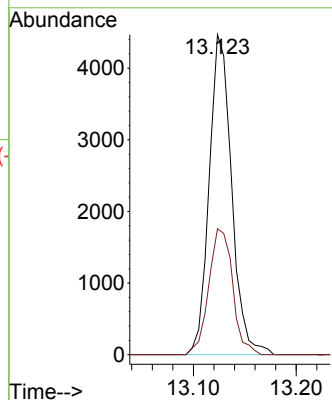
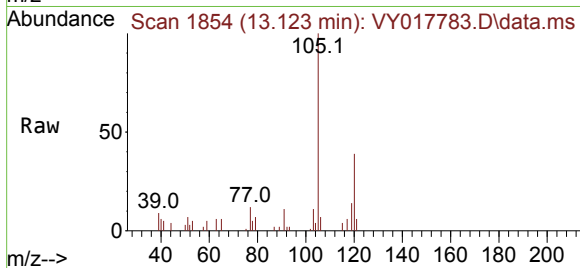
TRE-1291

Tgt Ion:105 Resp: 6772

Ion Ratio Lower Upper

105 100

120 41.9 23.2 69.6



#86

p-Isopropyltoluene

Concen: 1.325 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. -0.006 min

Lab File: VY017783.D

Acq: 27 Mar 2024 15:59

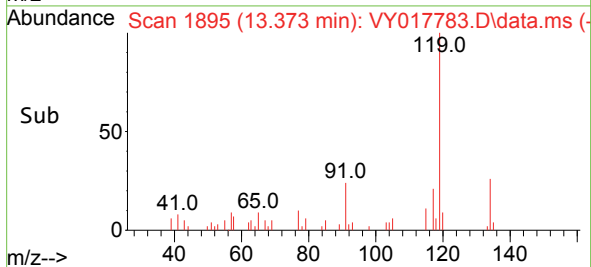
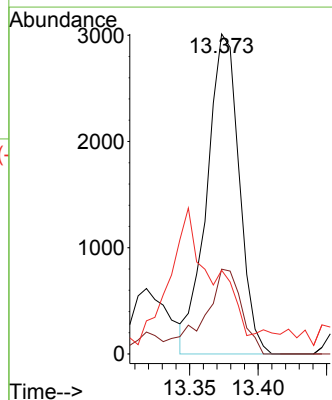
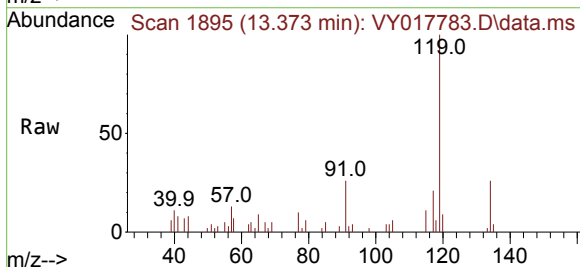
Tgt Ion:119 Resp: 4933

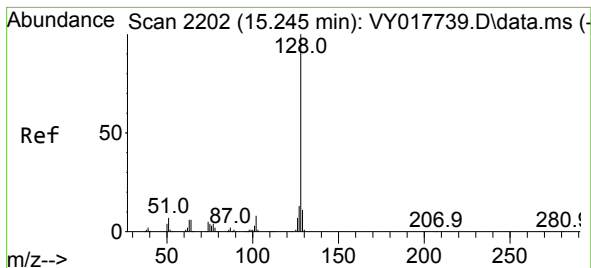
Ion Ratio Lower Upper

119 100

134 31.0 13.1 39.3

91 0.0 10.7 32.1#





#95

Naphthalene

Concen: 3.867 ug/l

RT: 15.245 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY017783.D

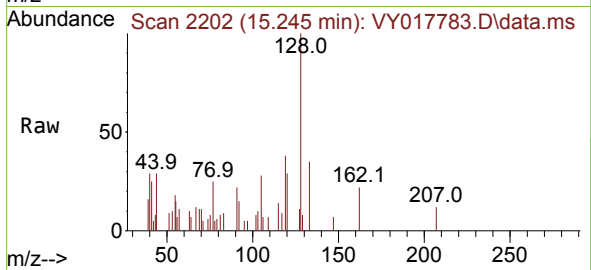
Acq: 27 Mar 2024 15:59

Instrument :

MSVOA_Y

ClientSampleId :

TRE-1291



Tgt Ion:	128	Resp:	1920
Ion	Ratio	Lower	Upper
128	100		
127	7.7	10.6	16.0#
129	8.8	8.6	13.0

