

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032724\
 Data File : VY017785.D
 Acq On : 27 Mar 2024 16:46
 Operator : SY/MD
 Sample : P1894-06
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT3414

Quant Time: Mar 28 02:19:11 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)

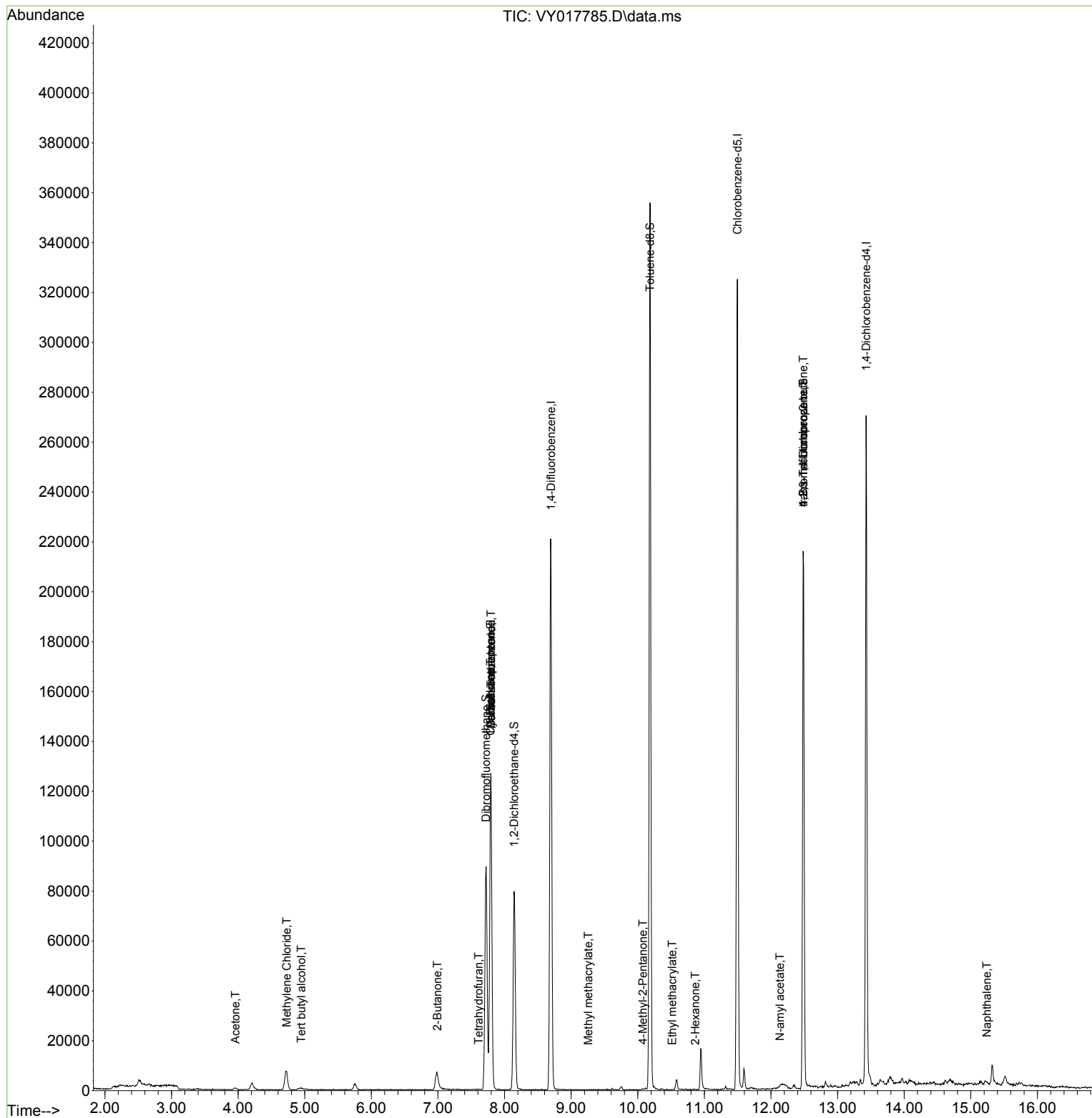
Internal Standards						
1) Pentafluorobenzene	7.795	168	98775	50.000	ug/l	-0.02
34) 1,4-Difluorobenzene	8.697	114	194358	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.496	117	172056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	63905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	61705	71.708	ug/l	-0.02
Spiked Amount 50.000	Range 50 - 163		Recovery = 143.420%			
35) Dibromofluoromethane	7.722	113	63672	54.805	ug/l	-0.02
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.620%			
50) Toluene-d8	10.185	98	229475	51.609	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.220%			
62) 4-Bromofluorobenzene	12.483	95	64261	48.129	ug/l	-0.01
Spiked Amount 50.000	Range 30 - 143		Recovery = 96.260%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	768	13.418	ug/l #	88
16) Acetone	3.960	43	1308	8.690	ug/l	94
20) Methylene Chloride	4.729	84	5787	5.287	ug/l	95
25) 2-Butanone	6.990	43	363	9.344	ug/l #	41
29) Tetrahydrofuran	7.612	42	22	4.516	ug/l #	26
31) Cyclohexane	7.789	56	2391	1.405	ug/l #	20
36) 1,1-Dichloropropene	7.789	75	8219	4.579	ug/l #	48
38) Carbon Tetrachloride	7.795	117	9728	5.176	ug/l #	18
48) Methyl methacrylate	9.258	41	19	1.301	ug/l #	7
51) 4-Methyl-2-Pentanone	10.075	43	259	5.985	ug/l #	31
56) Ethyl methacrylate	10.514	69	22	1.314	ug/l #	33
59) 2-Hexanone	10.862	43	54	9.585	ug/l #	19
74) N-amyl acetate	12.136	43	214	2.521	ug/l #	9
76) 1,2,3-Trichloropropane	12.483	75	34522	58.499	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	34522	135.175	ug/l #	16
95) Naphthalene	15.239	128	369	2.820	ug/l #	76

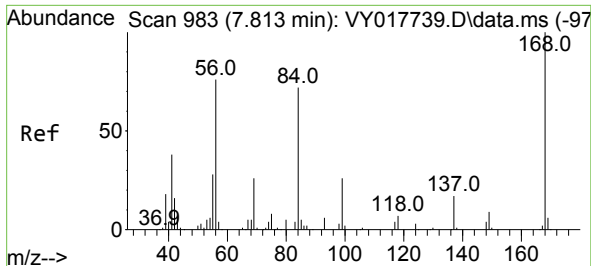
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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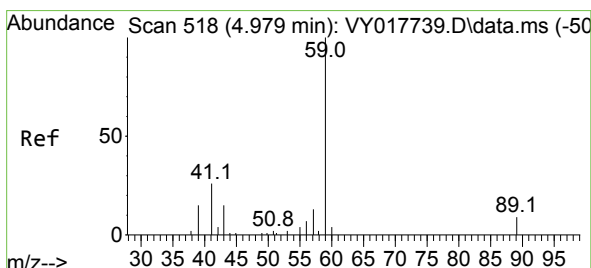
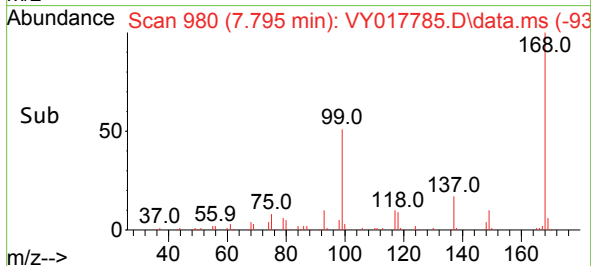
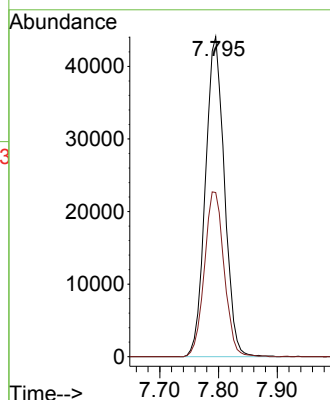
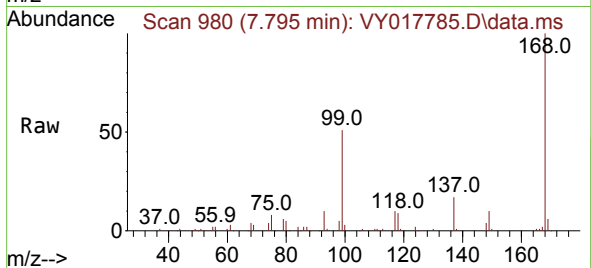




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 983
Delta R.T. -0.018 min
Lab File: VY017785.D
Acq: 27 Mar 2024 16:46

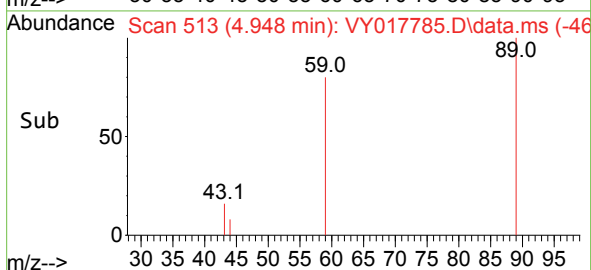
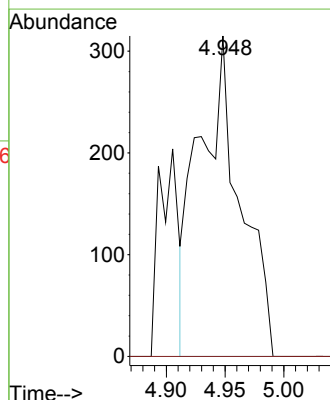
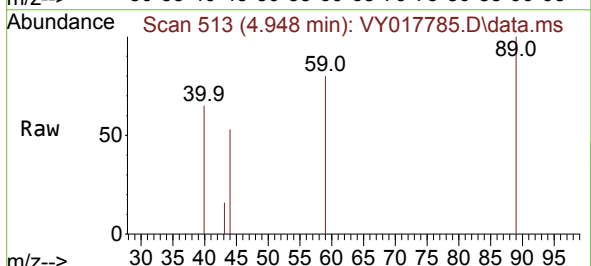
Instrument :
MSVOA_Y
ClientSampleId :
RT3414

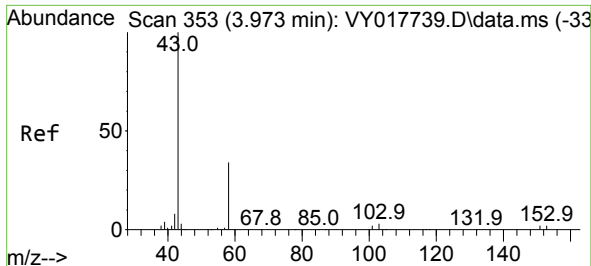
Tgt Ion:168 Resp: 98775
Ion Ratio Lower Upper
168 100
99 51.3 39.1 58.7



#11
Tert butyl alcohol
Concen: 13.418 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.030 min
Lab File: VY017785.D
Acq: 27 Mar 2024 16:46

Tgt Ion: 59 Resp: 768
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.6#

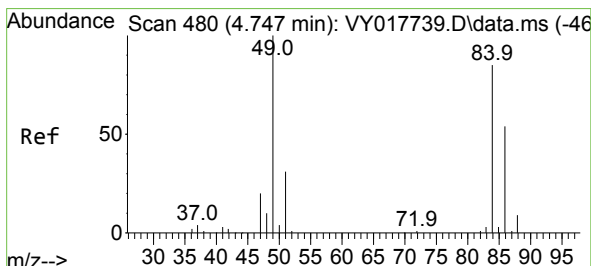
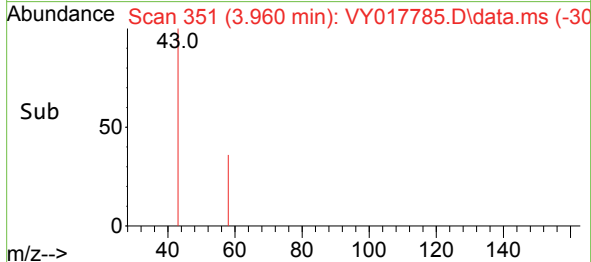
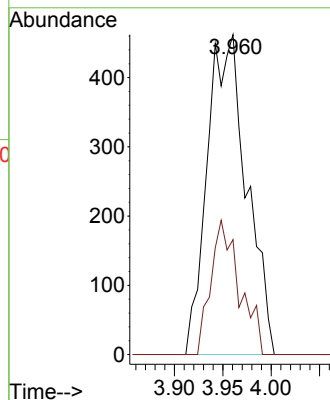
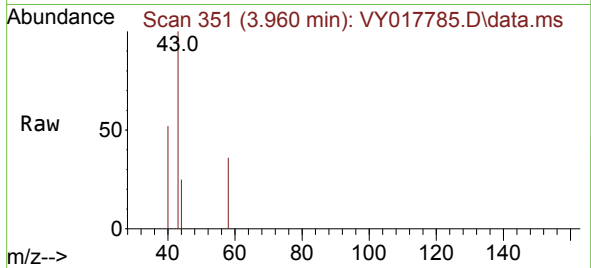




#16
Acetone
Concen: 8.690 ug/l
RT: 3.960 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY017785.D
Acq: 27 Mar 2024 16:46

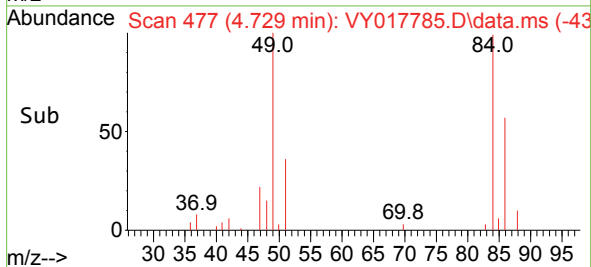
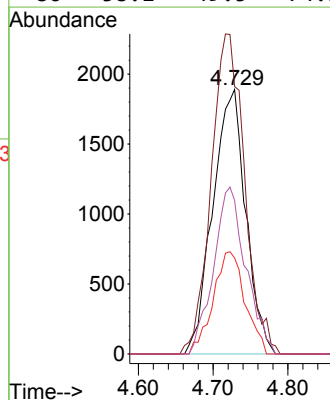
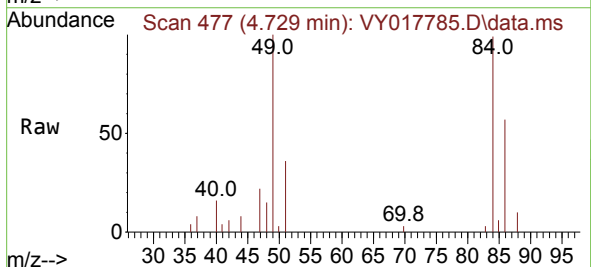
Instrument :
MSVOA_Y
ClientSampleId :
RT3414

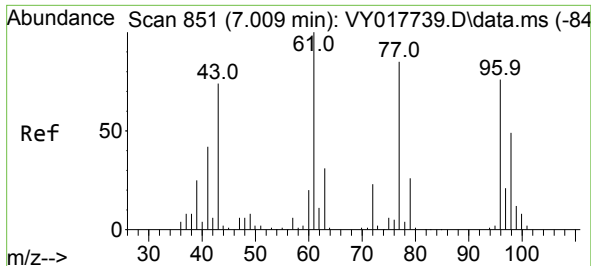
Tgt Ion: 43 Resp: 1308
Ion Ratio Lower Upper
43 100
58 35.9 31.7 47.5



#20
Methylene Chloride
Concen: 5.287 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.018 min
Lab File: VY017785.D
Acq: 27 Mar 2024 16:46

Tgt Ion: 84 Resp: 5787
Ion Ratio Lower Upper
84 100
49 101.2 84.4 126.6
51 36.3 26.0 39.0
86 58.1 49.5 74.3





#25

2-Butanone

Concen: 9.344 ug/l

RT: 6.990 min Scan# 84

Delta R.T. -0.019 min

Lab File: VY017785.D

Acq: 27 Mar 2024 16:46

Instrument :

MSVOA_Y

ClientSampleId :

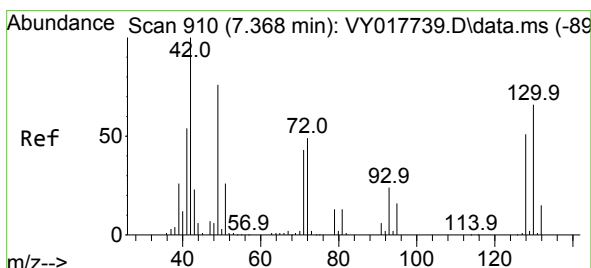
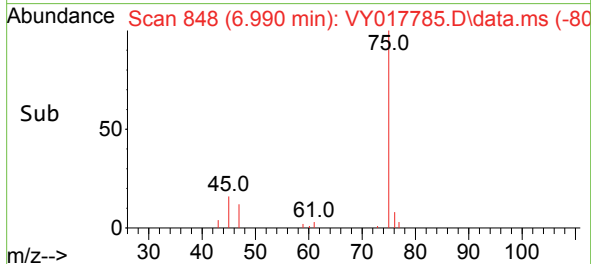
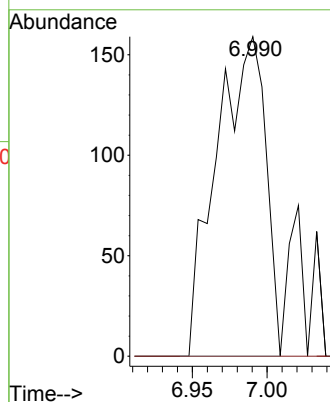
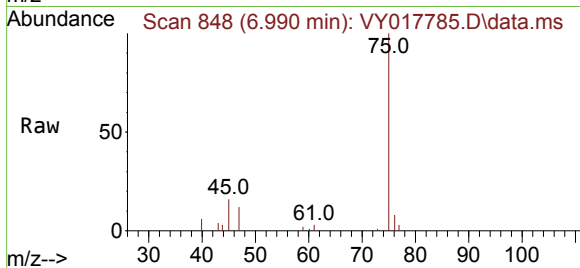
RT3414

Tgt Ion: 43 Resp: 363

Ion Ratio Lower Upper

43 100

72 0.0 27.3 40.9#



#29

Tetrahydrofuran

Concen: 4.516 ug/l

RT: 7.612 min Scan# 950

Delta R.T. 0.244 min

Lab File: VY017785.D

Acq: 27 Mar 2024 16:46

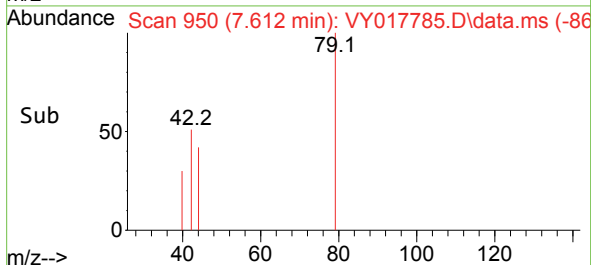
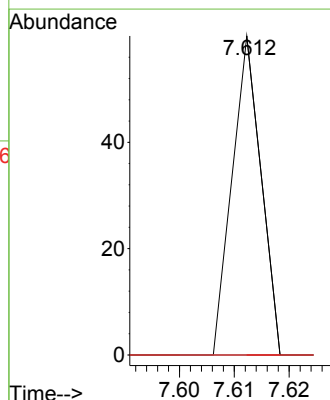
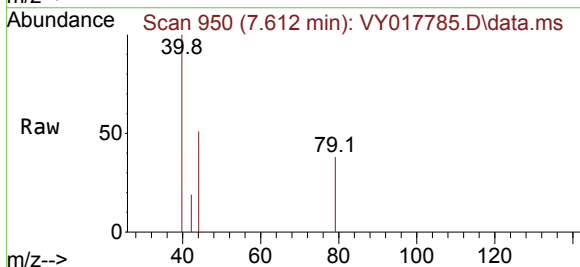
Tgt Ion: 42 Resp: 22

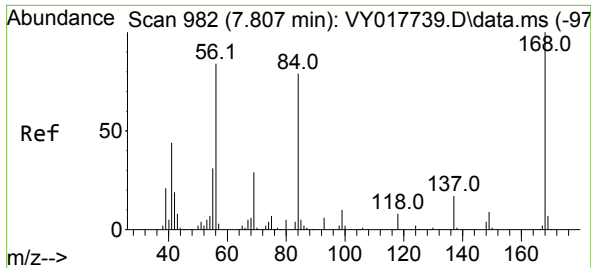
Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 0.0 40.8 61.2#

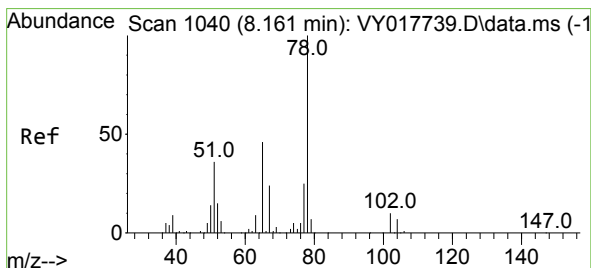
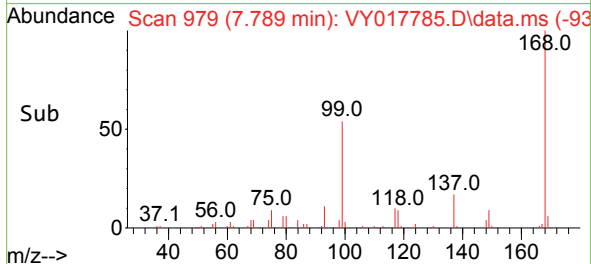
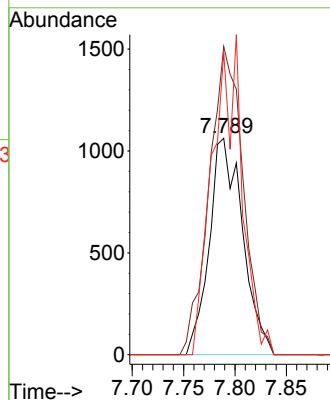
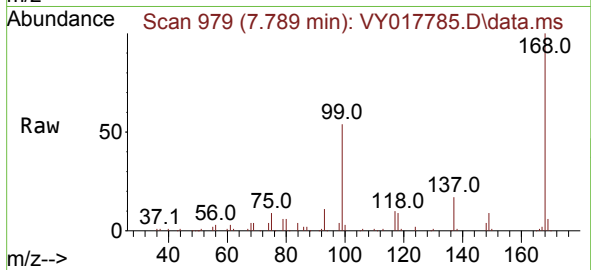




#31
Cyclohexane
Concen: 1.405 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.018 min
Lab File: VY017785.D
Acq: 27 Mar 2024 16:46

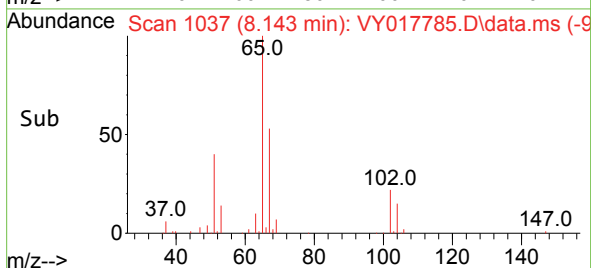
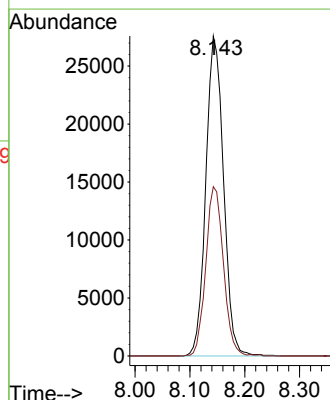
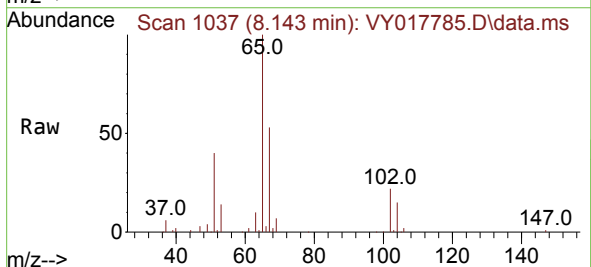
Instrument :
MSVOA_Y
ClientSampleId :
RT3414

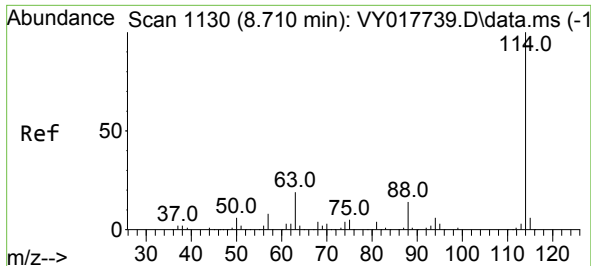
Tgt Ion: 56 Resp: 2391
Ion Ratio Lower Upper
56 100
69 142.3 28.7 43.1#
84 139.6 77.7 116.5#



#33
1,2-Dichloroethane-d4
Concen: 71.708 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.018 min
Lab File: VY017785.D
Acq: 27 Mar 2024 16:46

Tgt Ion: 65 Resp: 61705
Ion Ratio Lower Upper
65 100
67 53.0 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: VY017785.D

Acq: 27 Mar 2024 16:46

Instrument :

MSVOA_Y

ClientSampleId :

RT3414

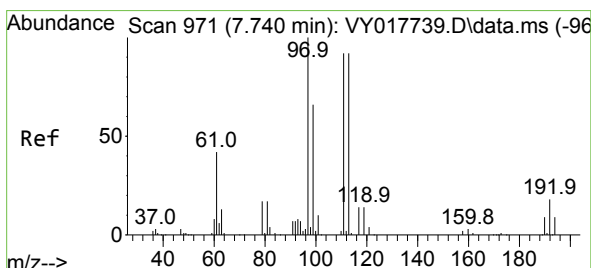
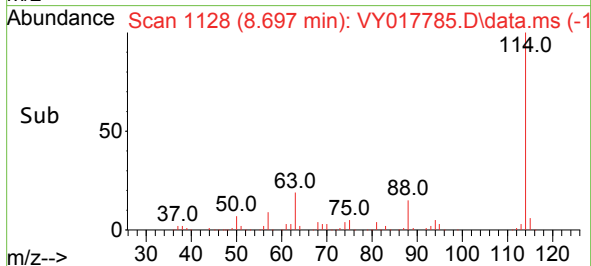
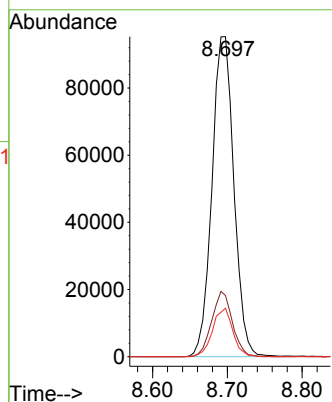
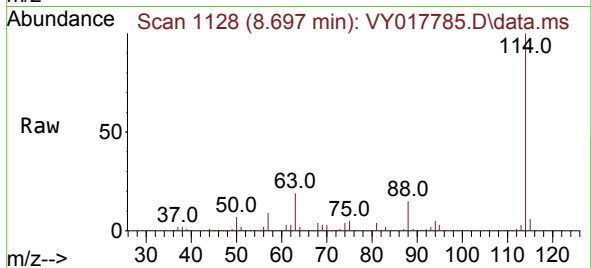
Tgt Ion:114 Resp: 194358

Ion Ratio Lower Upper

114 100

63 19.1 0.0 35.0

88 15.2 0.0 27.2



#35

Dibromofluoromethane

Concen: 54.805 ug/l

RT: 7.722 min Scan# 968

Delta R.T. -0.018 min

Lab File: VY017785.D

Acq: 27 Mar 2024 16:46

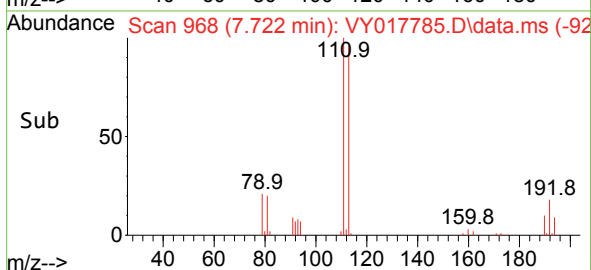
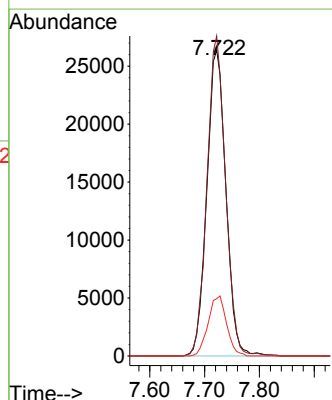
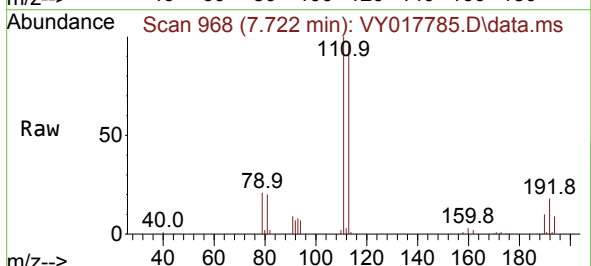
Tgt Ion:113 Resp: 63672

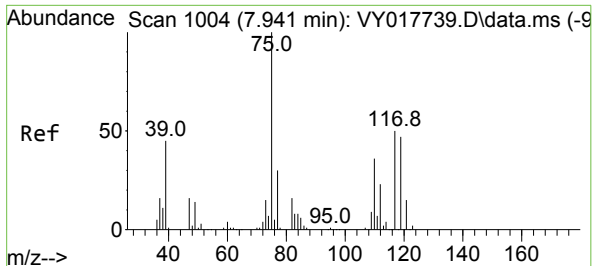
Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.4

192 19.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.579 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.152 min

Lab File: VY017785.D

Acq: 27 Mar 2024 16:46

Instrument :

MSVOA_Y

ClientSampleId :

RT3414

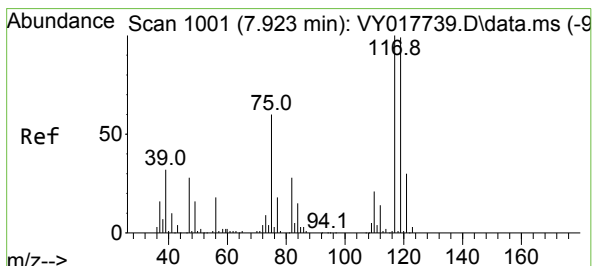
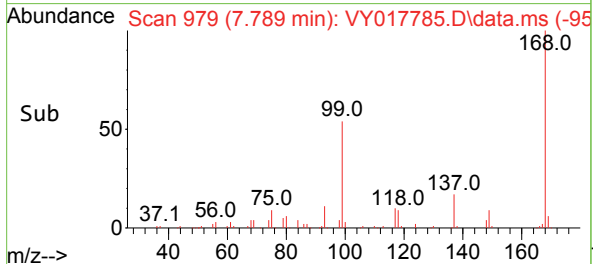
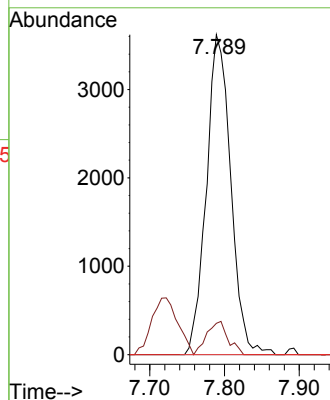
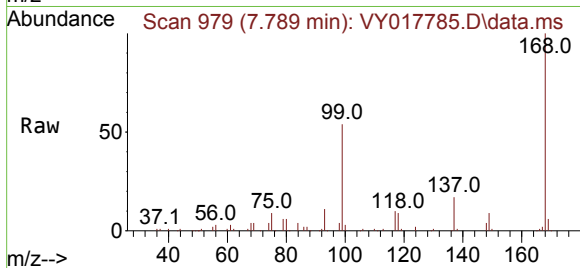
Tgt Ion: 75 Resp: 8219

Ion Ratio Lower Upper

75 100

110 9.1 19.0 57.0#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.176 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.128 min

Lab File: VY017785.D

Acq: 27 Mar 2024 16:46

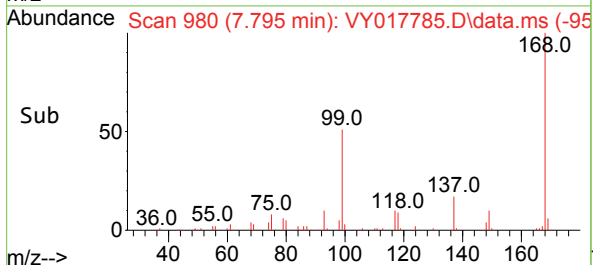
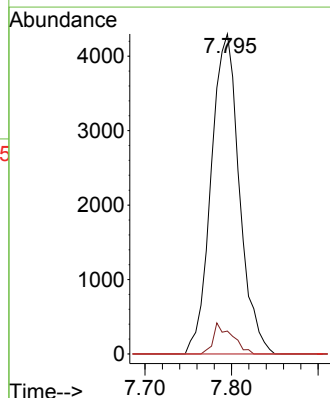
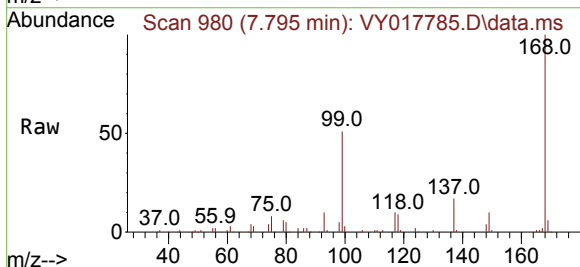
Tgt Ion: 117 Resp: 9728

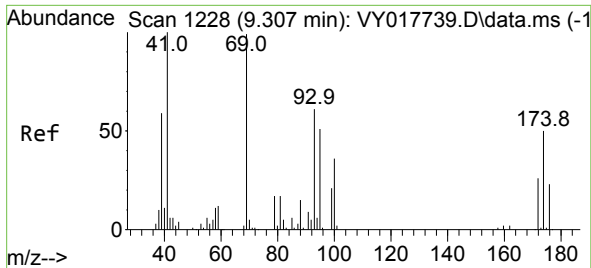
Ion Ratio Lower Upper

117 100

119 7.1 75.8 113.6#

121 0.0 24.0 36.0#

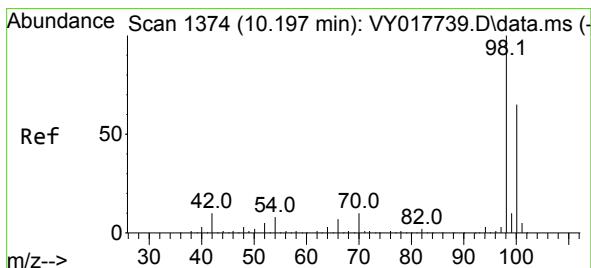
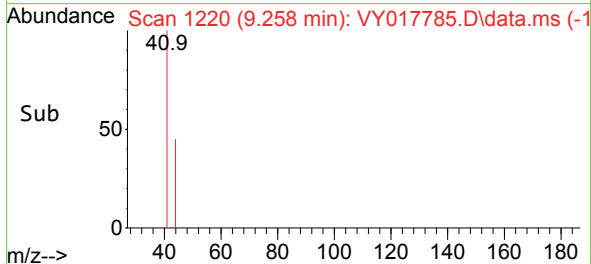
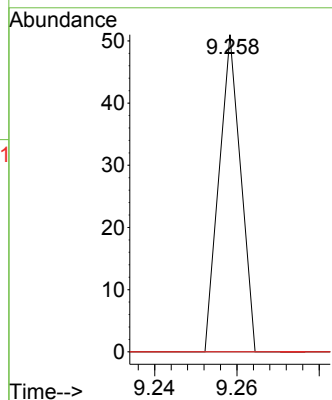
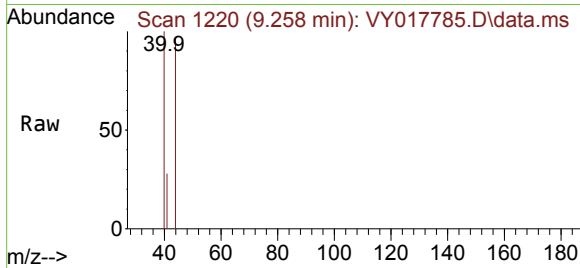




#48
Methyl methacrylate
Concen: 1.301 ug/l
RT: 9.258 min Scan# 11
Delta R.T. -0.049 min
Lab File: VY017785.D
Acq: 27 Mar 2024 16:46

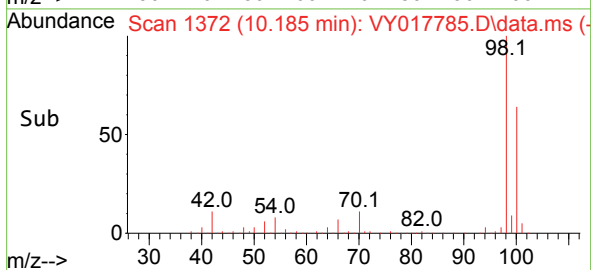
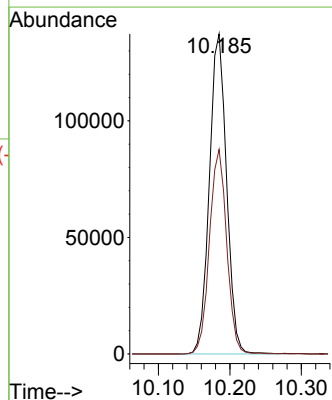
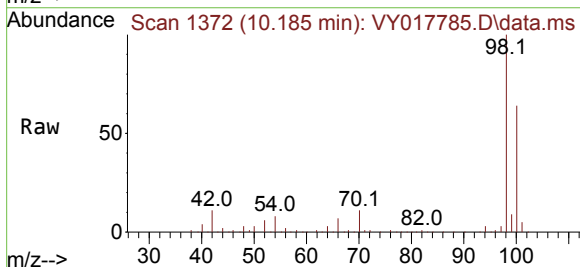
Instrument :
MSVOA_Y
ClientSampleId :
RT3414

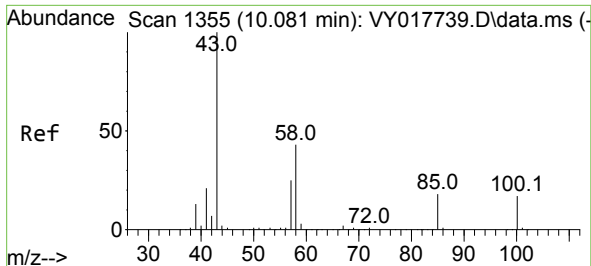
Tgt Ion: 41 Resp: 19
Ion Ratio Lower Upper
41 100
69 0.0 84.1 126.1#
39 0.0 43.6 65.4#



#50
Toluene-d8
Concen: 51.609 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.012 min
Lab File: VY017785.D
Acq: 27 Mar 2024 16:46

Tgt Ion: 98 Resp: 229475
Ion Ratio Lower Upper
98 100
100 64.1 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 5.985 ug/l

RT: 10.075 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY017785.D

Acq: 27 Mar 2024 16:46

Instrument :

MSVOA_Y

ClientSampleId :

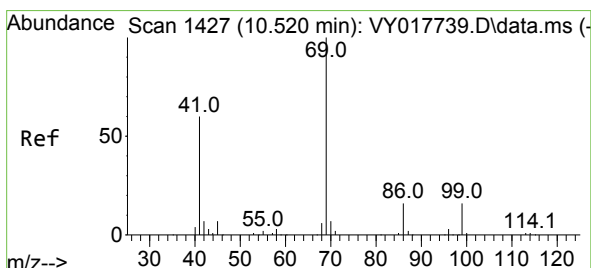
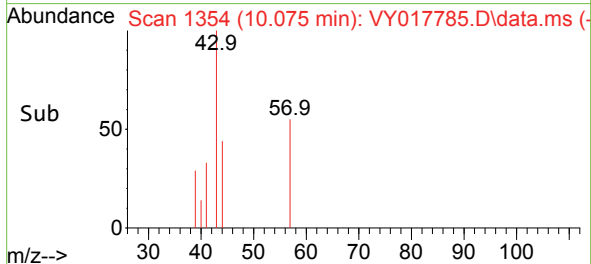
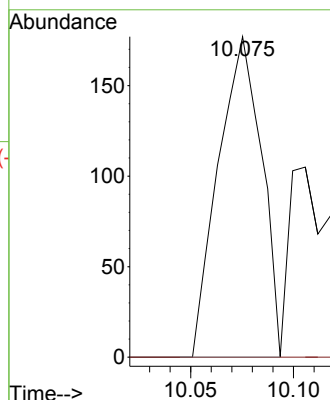
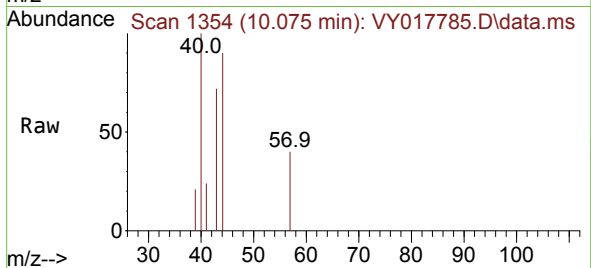
RT3414

Tgt Ion: 43 Resp: 259

Ion Ratio Lower Upper

43 100

58 0.0 35.7 53.5#



#56

Ethyl methacrylate

Concen: 1.314 ug/l

RT: 10.514 min Scan# 1426

Delta R.T. -0.006 min

Lab File: VY017785.D

Acq: 27 Mar 2024 16:46

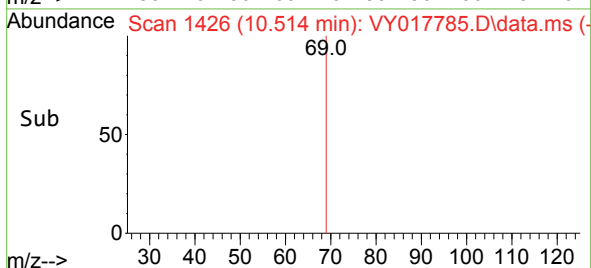
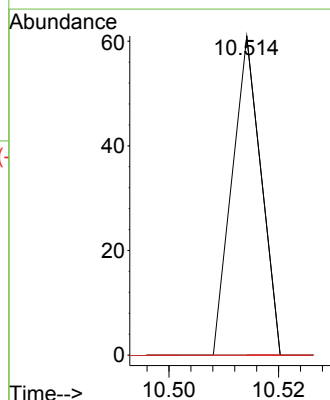
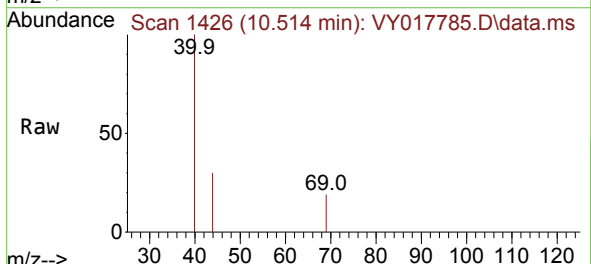
Tgt Ion: 69 Resp: 22

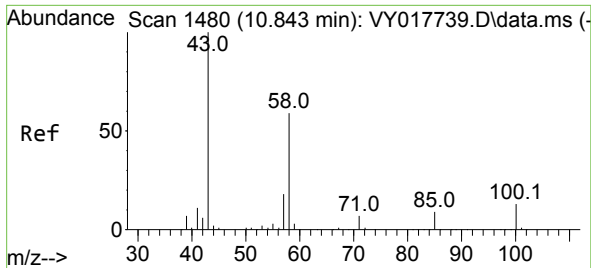
Ion Ratio Lower Upper

69 100

41 0.0 42.3 63.5#

39 0.0 22.9 34.3#

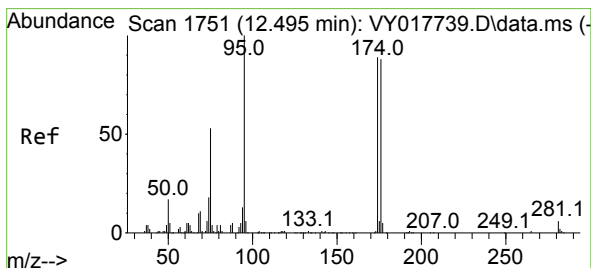
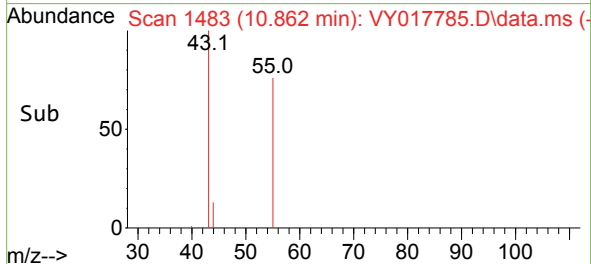
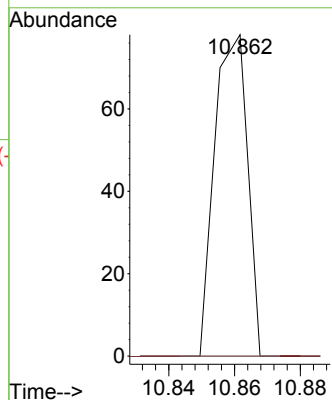
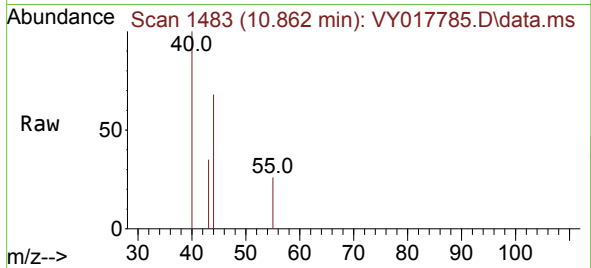




#59
2-Hexanone
Concen: 9.585 ug/l
RT: 10.862 min Scan# 1483
Delta R.T. 0.019 min
Lab File: VY017785.D
Acq: 27 Mar 2024 16:46

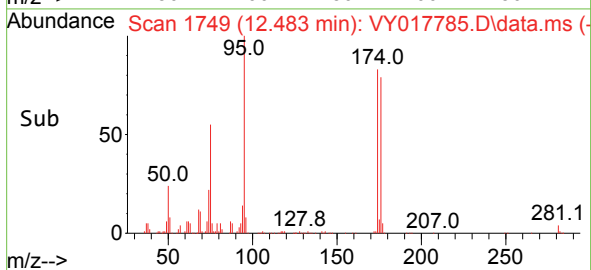
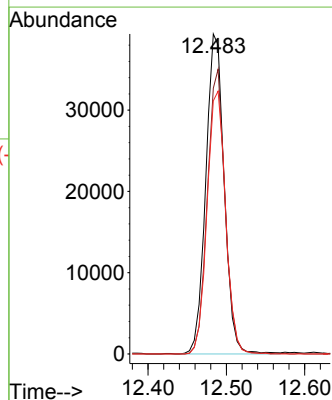
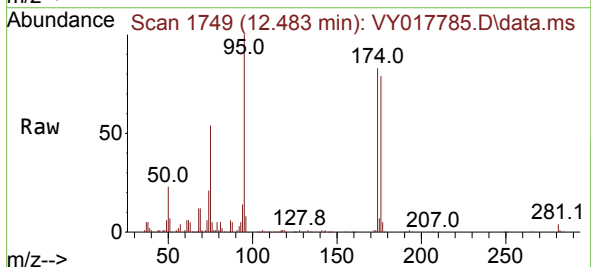
Instrument :
MSVOA_Y
ClientSampleId :
RT3414

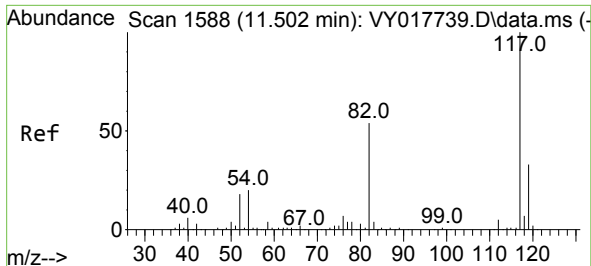
Tgt Ion: 43 Resp: 54
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#



#62
4-Bromofluorobenzene
Concen: 48.129 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.012 min
Lab File: VY017785.D
Acq: 27 Mar 2024 16:46

Tgt Ion: 95 Resp: 64261
Ion Ratio Lower Upper
95 100
174 85.3 0.0 175.6
176 82.5 0.0 171.4

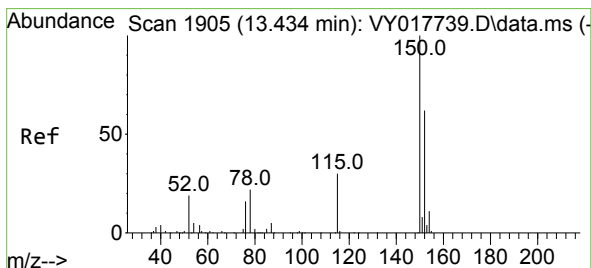
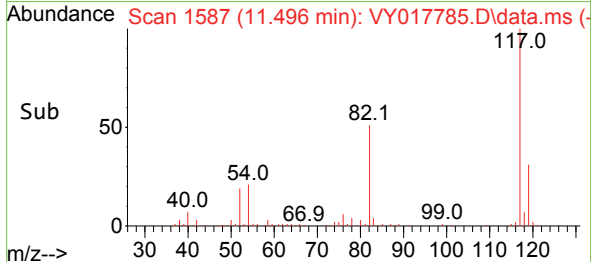
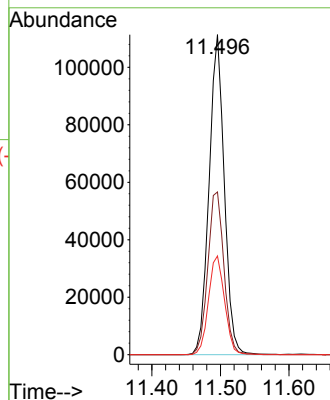
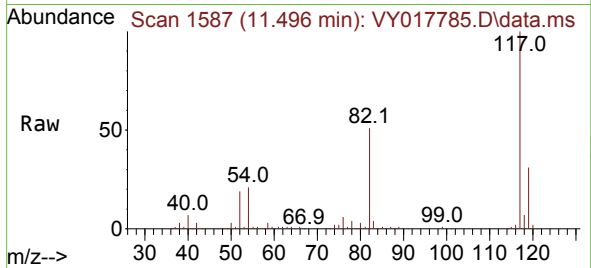




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY017785.D
Acq: 27 Mar 2024 16:46

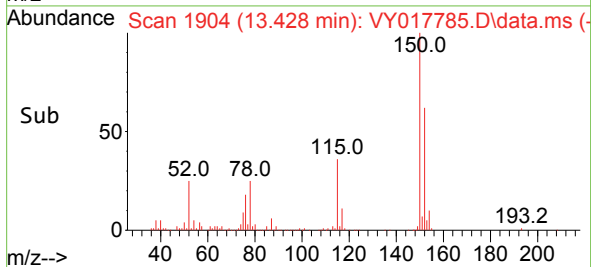
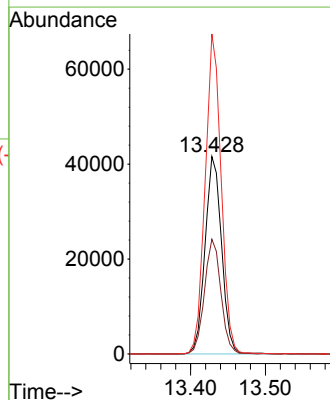
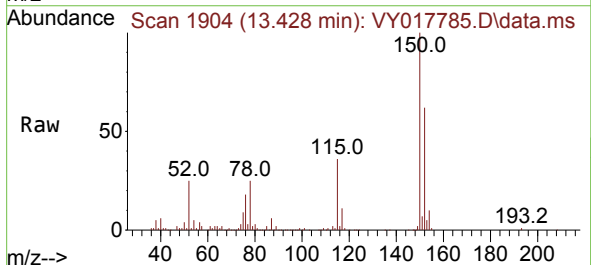
Instrument :
MSVOA_Y
ClientSampleId :
RT3414

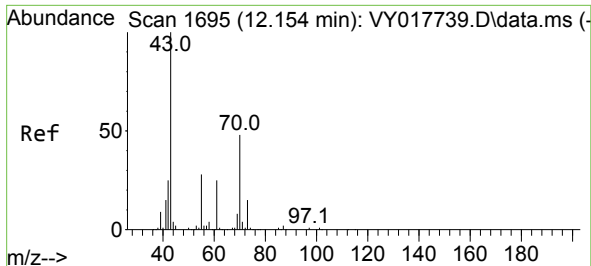
Tgt Ion:117 Resp: 172056
Ion Ratio Lower Upper
117 100
82 50.8 42.4 63.6
119 30.9 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY017785.D
Acq: 27 Mar 2024 16:46

Tgt Ion:152 Resp: 63905
Ion Ratio Lower Upper
152 100
115 57.9 28.2 84.7
150 156.6 0.0 345.6

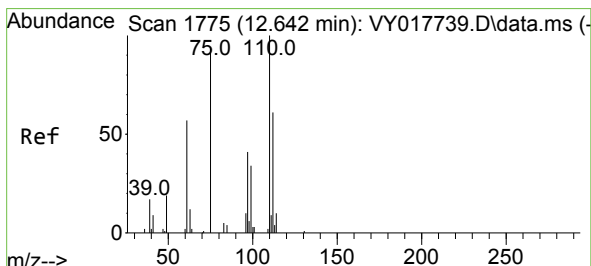
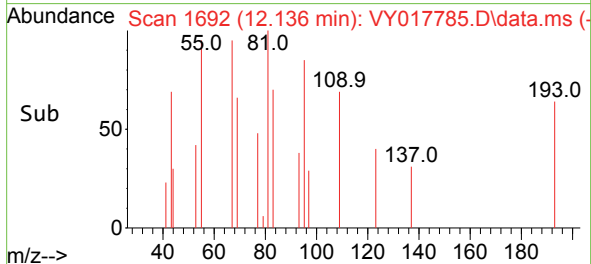
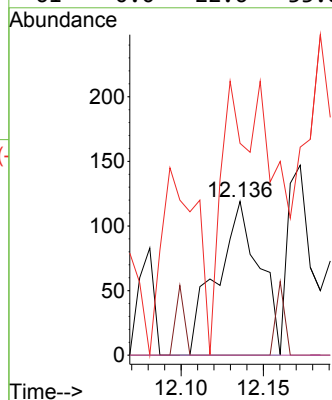
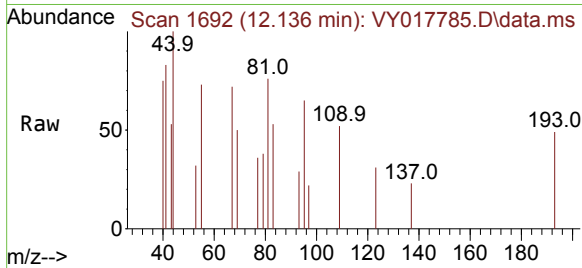




#74
N-amy1 acetate
Concen: 2.521 ug/l
RT: 12.136 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY017785.D
Acq: 27 Mar 2024 16:46

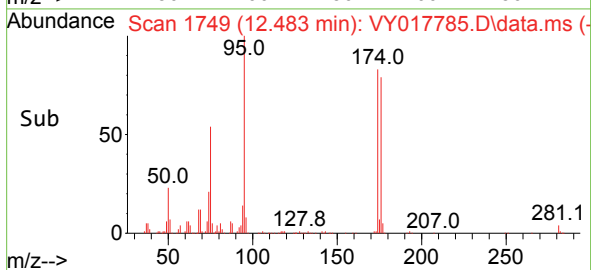
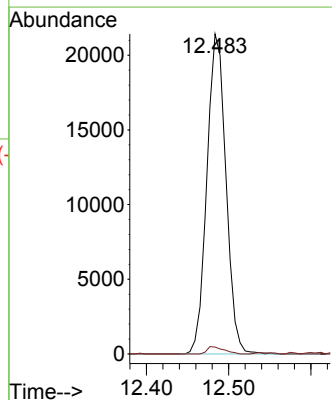
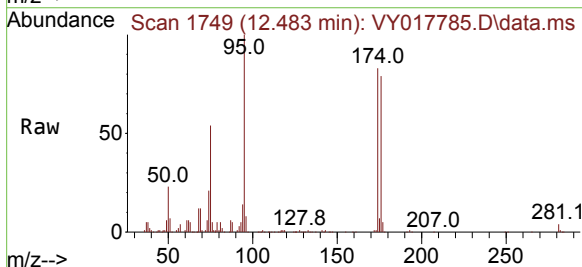
Instrument :
MSVOA_Y
ClientSampleId :
RT3414

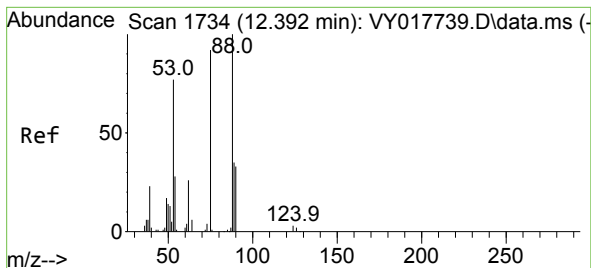
Tgt Ion: 43	Resp: 214
Ion Ratio	Lower Upper
43 100	
70 0.0	41.4 62.2#
55 114.5	23.3 34.9#
61 0.0	22.6 33.8#



#76
1,2,3-Trichloropropane
Concen: 58.499 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.158 min
Lab File: VY017785.D
Acq: 27 Mar 2024 16:46

Tgt Ion: 75	Resp:	34522	
Ion	Ratio	Lower	Upper
75	100		
77	2.0	0.0	0.0#

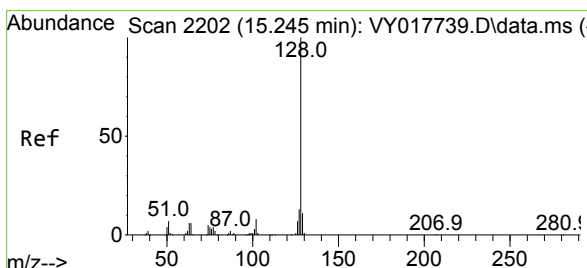
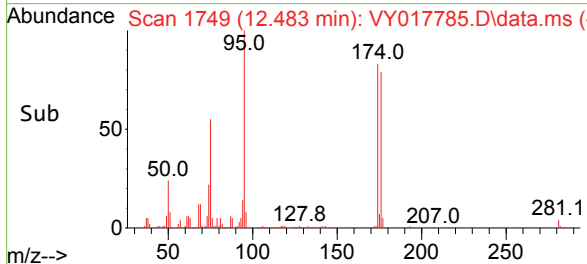
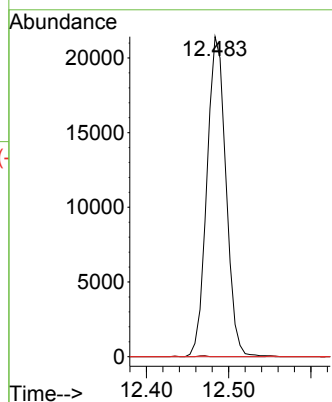
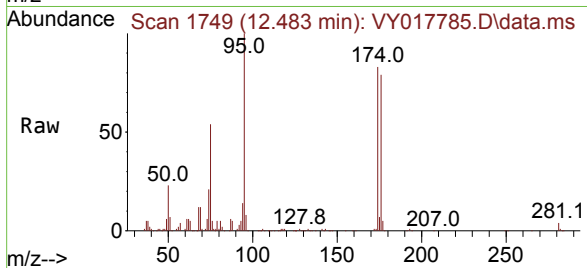




#81
trans-1,4-Dichloro-2-butene
Concen: 135.175 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.091 min
Lab File: VY017785.D
Acq: 27 Mar 2024 16:46

Instrument :
MSVOA_Y
ClientSampleId :
RT3414

Tgt Ion: 75 Resp: 34522
Ion Ratio Lower Upper
75 100
53 0.1 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 2.820 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.006 min
Lab File: VY017785.D
Acq: 27 Mar 2024 16:46

Tgt Ion:128 Resp: 369
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 6.0 8.6 13.0#

