

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081624\
 Data File : VY019090.D
 Acq On : 16 Aug 2024 13:47
 Operator : SY/MD
 Sample : P3615-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 16 23:13:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 05:10:30 2024
 Response via : Initial Calibration

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

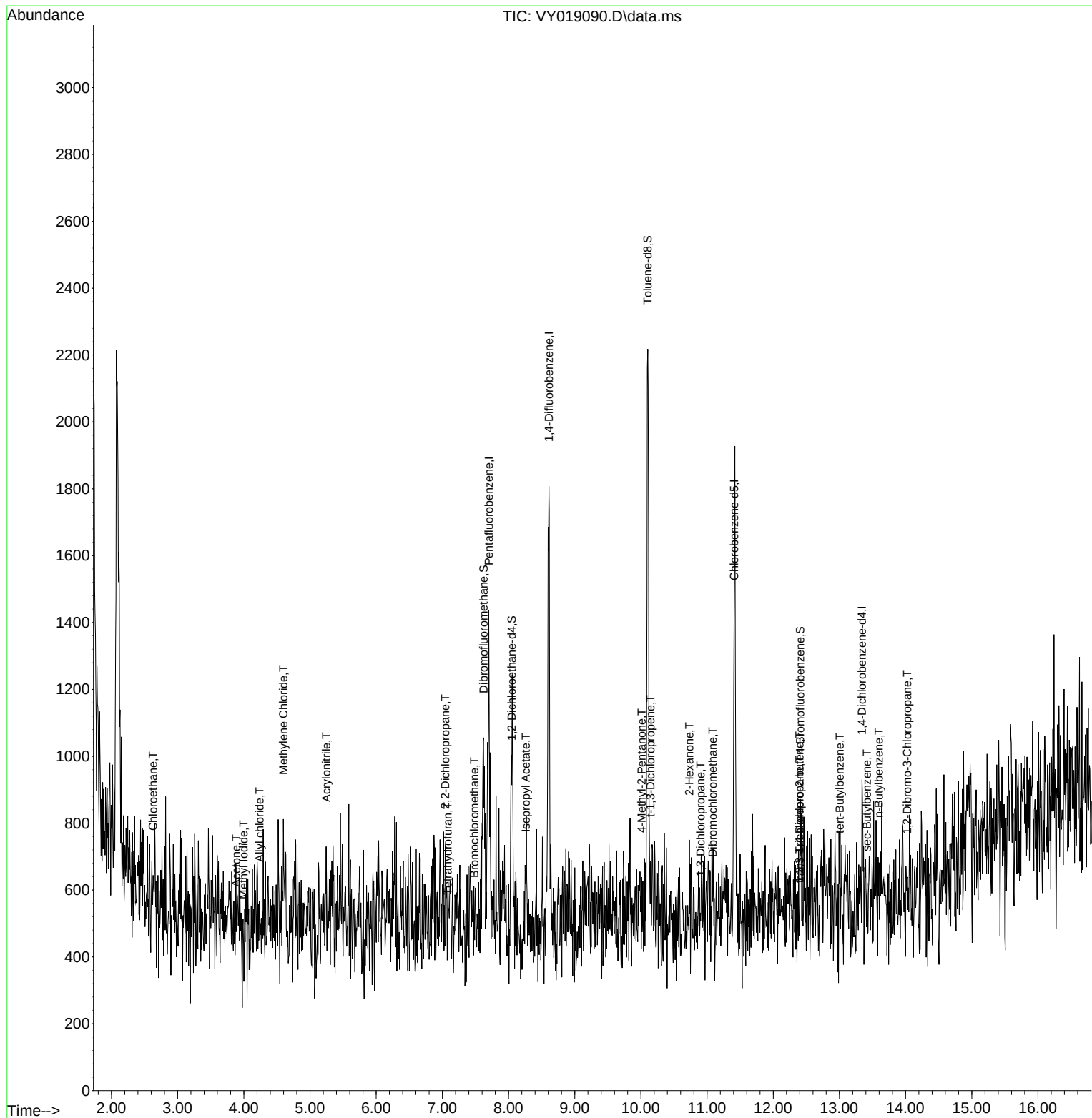
Internal Standards						
1) Pentafluorobenzene	7.701	168	1004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1535	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.408	117	823	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	98	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.049	65	488	48.488	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.980%
35) Dibromofluoromethane	7.622	113	474	47.226	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.460%
50) Toluene-d8	10.103	98	1419	39.287	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	78.580%
62) 4-Bromofluorobenzene	12.408	95	78	6.335	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	12.660%#
Target Compounds						
					Qvalue	
5) Bromomethane	2.635	94	21	Below Cal	#	3
6) Chloroethane	2.629	64	28	2.282	ug/l #	42
10) Methyl Iodide	3.994	142	50	4.628	ug/l #	42
14) Allyl chloride	4.238	41	62	4.656	ug/l #	19
15) Acrylonitrile	5.244	53	19	8.676	ug/l #	18
16) Acetone	3.885	43	18	9.644	ug/l #	36
20) Methylene Chloride	4.598	84	128	1.026	ug/l #	55
26) 2,2-Dichloropropane	7.043	77	56	3.710	ug/l #	51
28) Bromochloromethane	7.482	49	33	4.220	ug/l #	6
29) Tetrahydrofuran	7.079	42	19	9.833	ug/l #	26
43) Isopropyl Acetate	8.262	43	90	7.288	ug/l #	47
51) 4-Methyl-2-Pentanone	10.012	43	31	4.730	ug/l #	31
53) t-1,3-Dichloropropene	10.146	75	31	2.494	ug/l #	45
57) 1,3-Dichloropropane	10.902	76	22	1.716	ug/l #	42
59) 2-Hexanone	10.731	43	18	3.997	ug/l #	19
60) Dibromochloromethane	11.085	129	21	1.961	ug/l #	10
76) 1,2,3-Trichloropropane	12.395	75	21	21.729	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.395	75	21	53.663	ug/l #	16
83) tert-Butylbenzene	13.005	119	22	3.893	ug/l #	28
85) sec-Butylbenzene	13.413	105	20	2.429	ug/l #	56
89) n-Butylbenzene	13.596	91	24	3.892	ug/l #	33
92) 1,2-Dibromo-3-Chloropr...	14.023	75	50	254.170	ug/l #	1

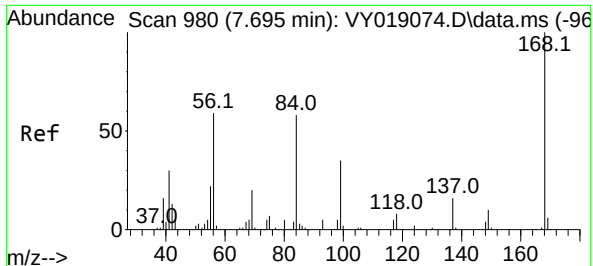
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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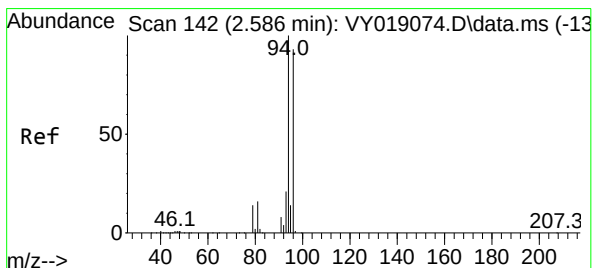
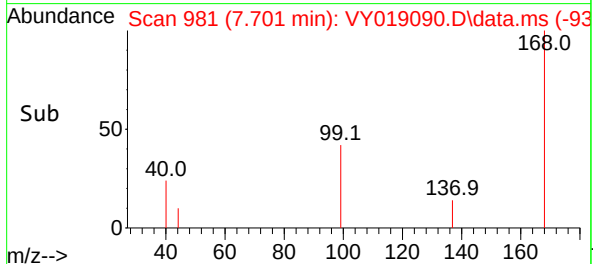
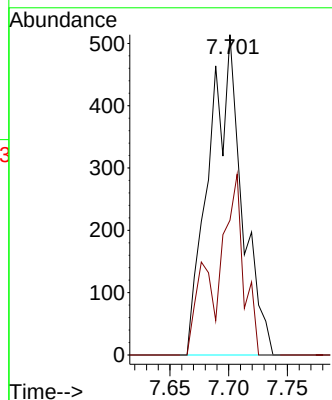
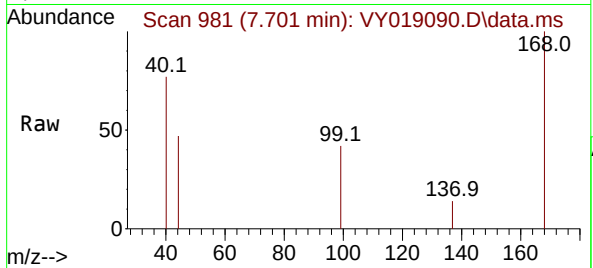




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY019090.D
Acq: 16 Aug 2024 13:47

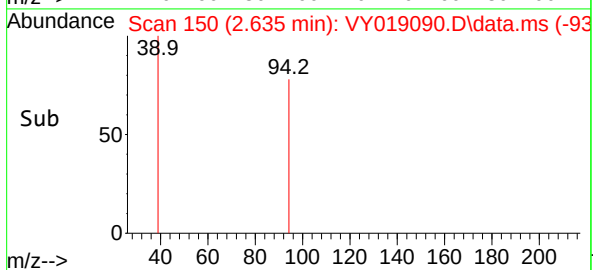
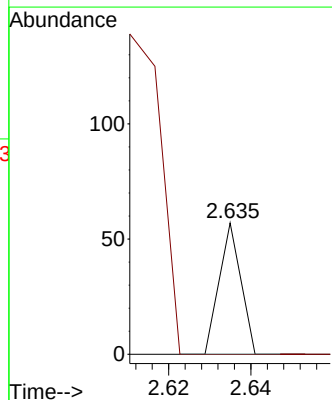
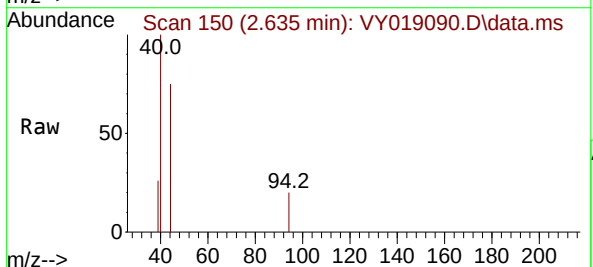
Instrument :
MSVOA_Y
ClientSampleId :

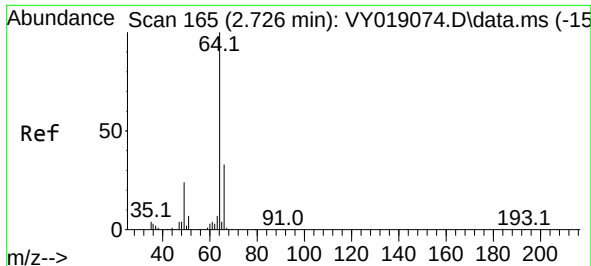
Tgt Ion:168 Resp: 1004
Ion Ratio Lower Upper
168 100
99 42.0 39.1 58.7



#5
Bromomethane
Concen: Below Cal
RT: 2.635 min Scan# 150
Delta R.T. 0.049 min
Lab File: VY019090.D
Acq: 16 Aug 2024 13:47

Tgt Ion: 94 Resp: 21
Ion Ratio Lower Upper
94 100
96 0.0 74.1 111.1#

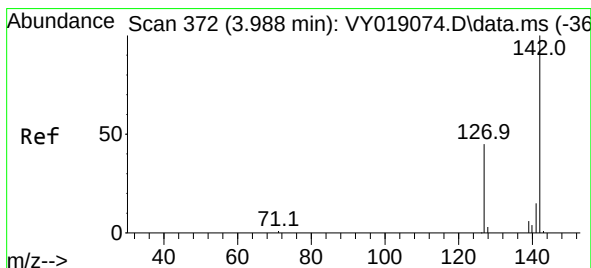
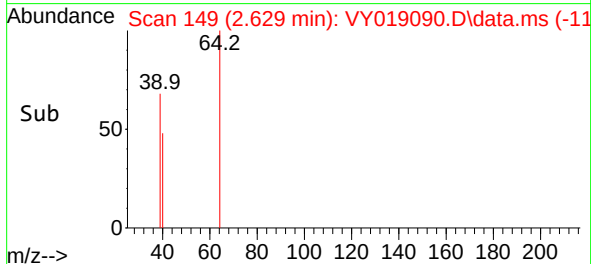
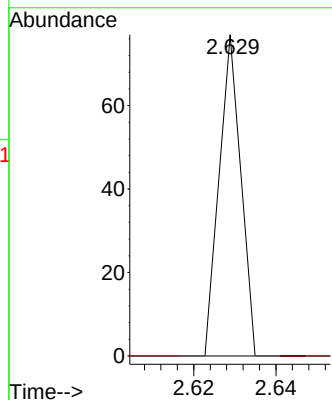
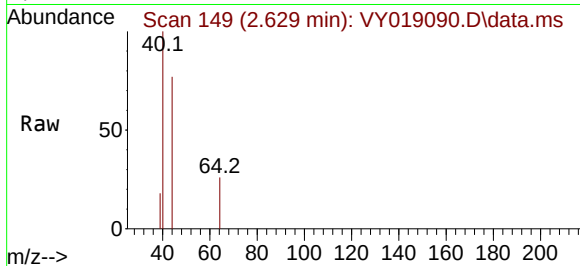




#6
Chloroethane
Concen: 2.282 ug/l
RT: 2.629 min Scan# 14
Delta R.T. -0.097 min
Lab File: VY019090.D
Acq: 16 Aug 2024 13:47

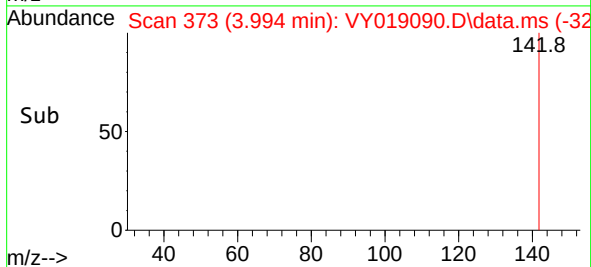
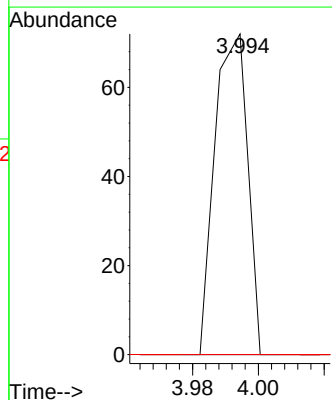
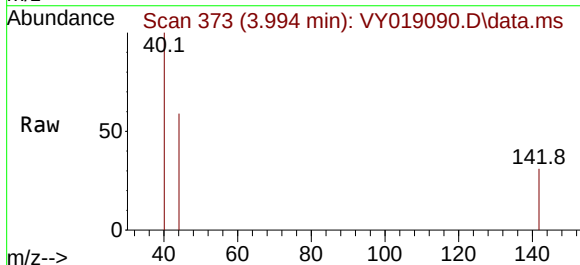
Instrument :
MSVOA_Y
ClientSampleId :

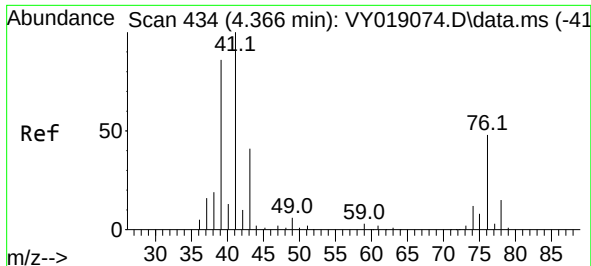
Tgt Ion: 64 Resp: 28
Ion Ratio Lower Upper
64 100
66 0.0 26.1 39.1#



#10
Methyl Iodide
Concen: 4.628 ug/l
RT: 3.994 min Scan# 373
Delta R.T. 0.006 min
Lab File: VY019090.D
Acq: 16 Aug 2024 13:47

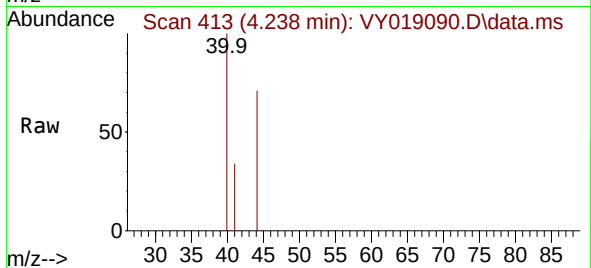
Tgt Ion:142 Resp: 50
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#



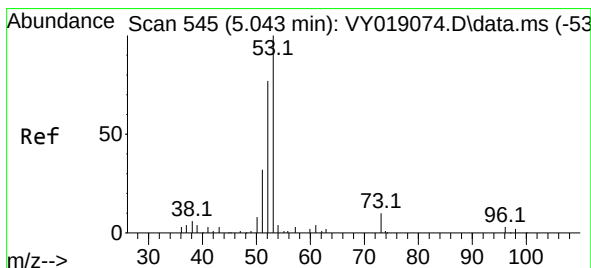
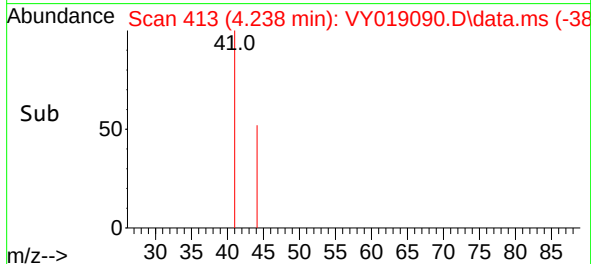
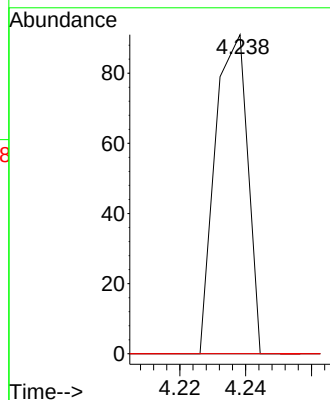


#14
 Allyl chloride
 Concen: 4.656 ug/l
 RT: 4.238 min Scan# 41
 Delta R.T. -0.128 min
 Lab File: VY019090.D
 Acq: 16 Aug 2024 13:47

Instrument :
 MSVOA_Y
 ClientSampleId :

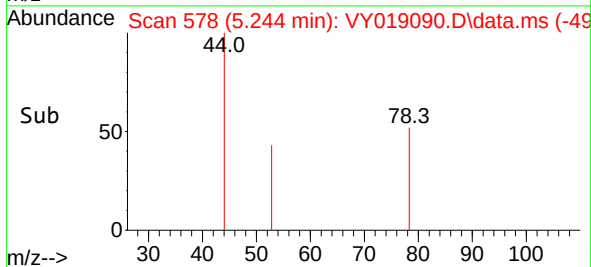
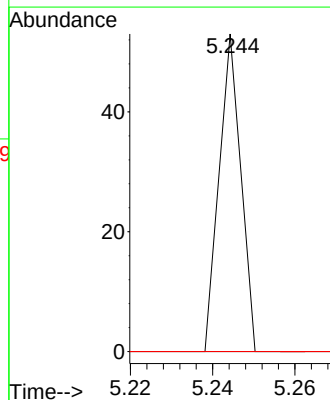
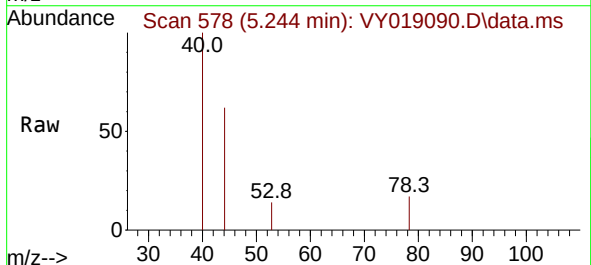


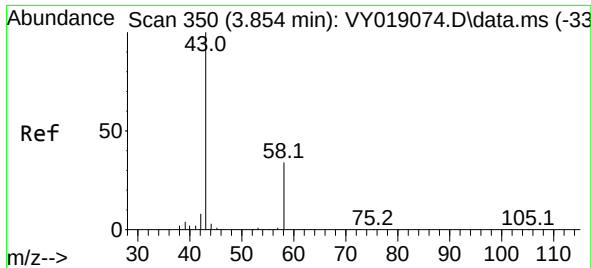
Tgt Ion: 41 Resp: 62
 Ion Ratio Lower Upper
 41 100
 39 0.0 58.3 87.5#
 76 0.0 39.0 58.6#



#15
 Acrylonitrile
 Concen: 8.676 ug/l
 RT: 5.244 min Scan# 578
 Delta R.T. 0.201 min
 Lab File: VY019090.D
 Acq: 16 Aug 2024 13:47

Tgt Ion: 53 Resp: 19
 Ion Ratio Lower Upper
 53 100
 52 0.0 64.7 97.1#
 51 0.0 28.4 42.6#





#16

Acetone

Concen: 9.644 ug/l

RT: 3.885 min Scan# 31

Delta R.T. 0.031 min

Lab File: VY019090.D

Acq: 16 Aug 2024 13:47

Instrument :

MSVOA_Y

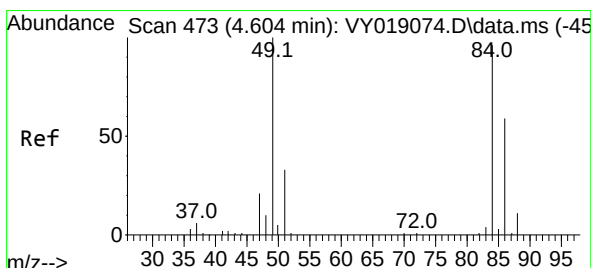
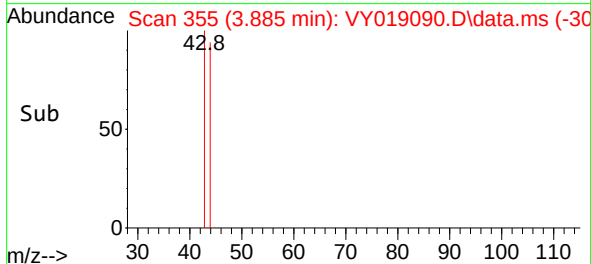
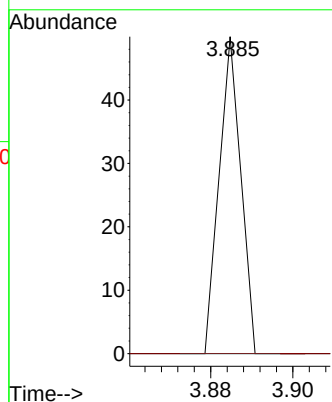
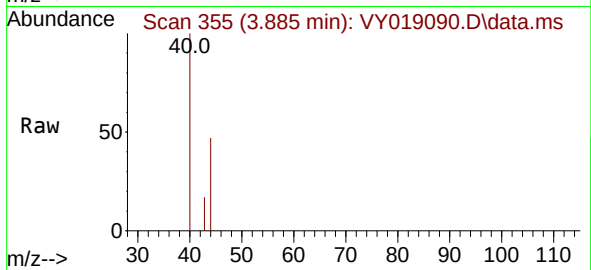
ClientSampleId :

Tgt Ion: 43 Resp: 18

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: 1.026 ug/l

RT: 4.598 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY019090.D

Acq: 16 Aug 2024 13:47

Tgt Ion: 84 Resp: 128

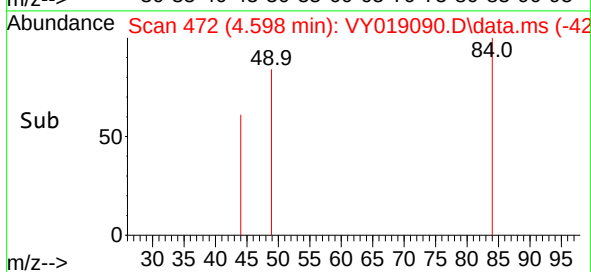
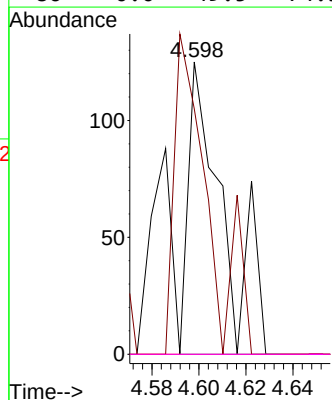
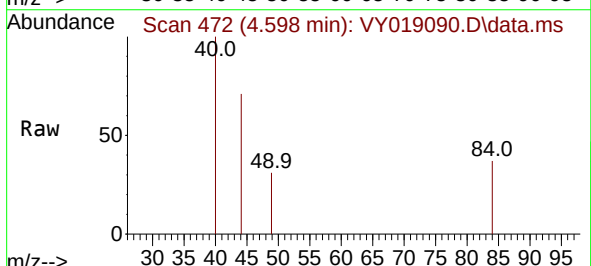
Ion Ratio Lower Upper

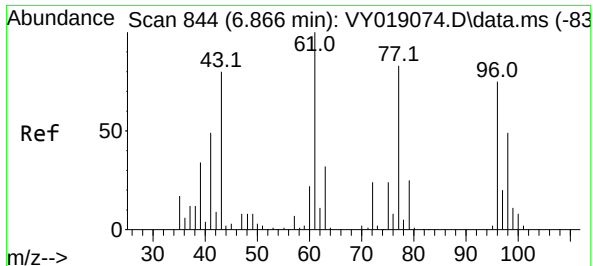
84 100

49 84.0 84.4 126.6#

51 0.0 26.0 39.0#

86 0.0 49.5 74.3#





#26

2,2-Dichloropropane

Concen: 3.710 ug/l

RT: 7.043 min Scan# 81

Delta R.T. 0.177 min

Lab File: VY019090.D

Acq: 16 Aug 2024 13:47

Instrument :

MSVOA_Y

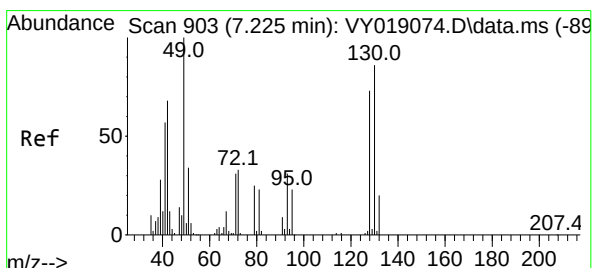
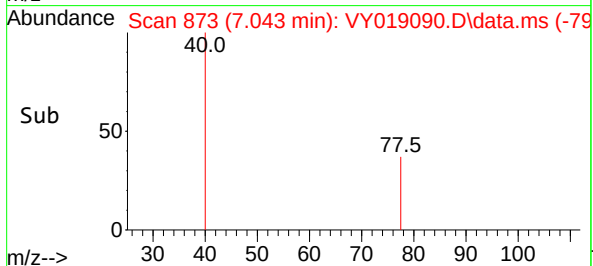
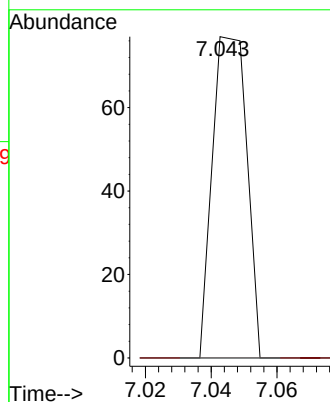
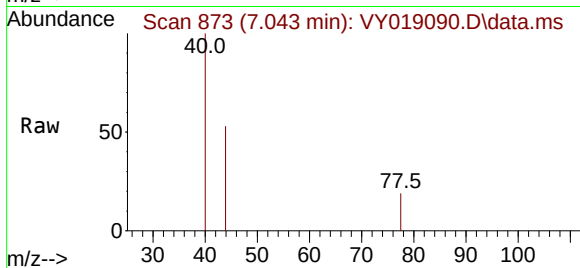
ClientSampleId :

Tgt Ion: 77 Resp: 56

Ion Ratio Lower Upper

77 100

97 0.0 12.0 36.1#



#28

Bromochloromethane

Concen: 4.220 ug/l

RT: 7.482 min Scan# 945

Delta R.T. 0.256 min

Lab File: VY019090.D

Acq: 16 Aug 2024 13:47

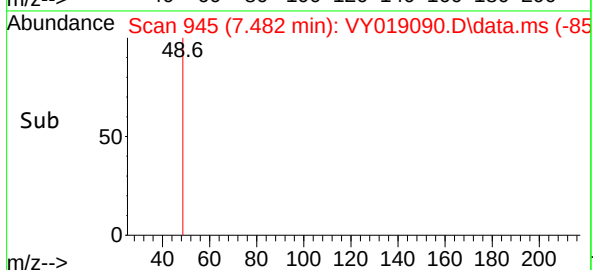
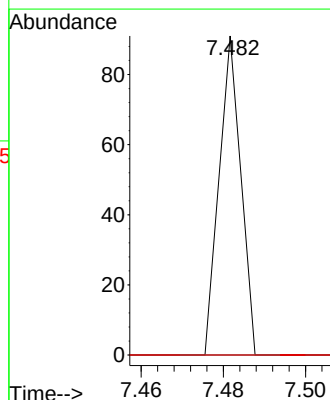
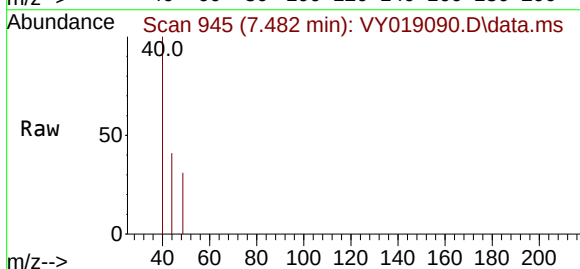
Tgt Ion: 49 Resp: 33

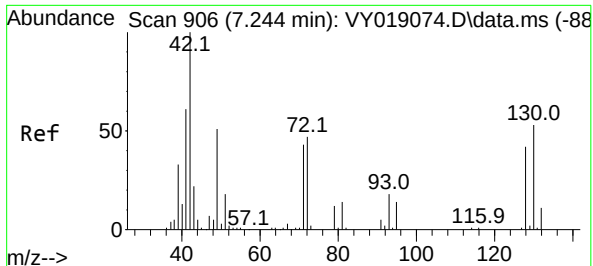
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

130 0.0 72.7 109.1#





#29

Tetrahydrofuran

Concen: 9.833 ug/l

RT: 7.079 min Scan# 81

Delta R.T. -0.164 min

Lab File: VY019090.D

Acq: 16 Aug 2024 13:47

Instrument :

MSVOA_Y

ClientSampleId :

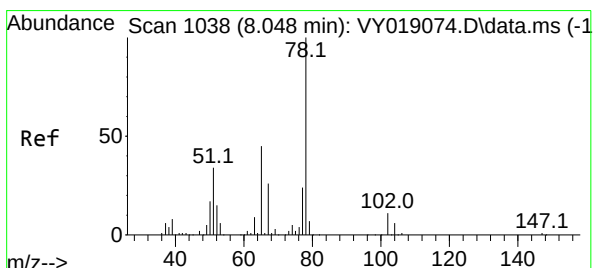
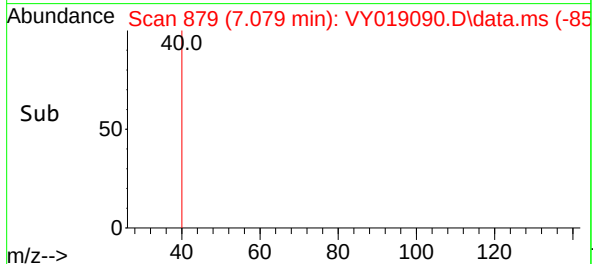
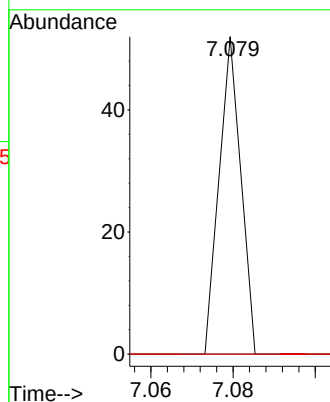
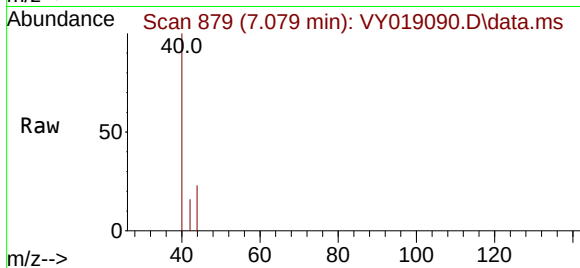
Tgt Ion: 42 Resp: 19

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 0.0 40.8 61.2#



#33

1,2-Dichloroethane-d4

Concen: 48.488 ug/l

RT: 8.049 min Scan# 1038

Delta R.T. 0.000 min

Lab File: VY019090.D

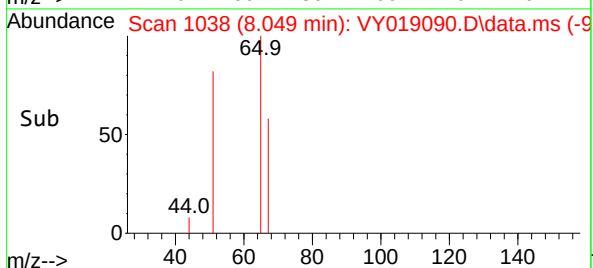
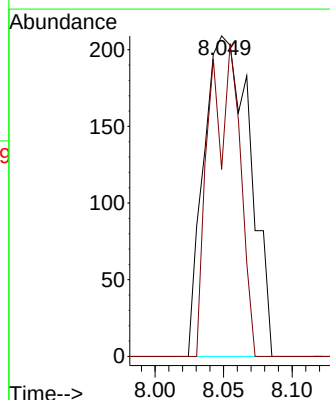
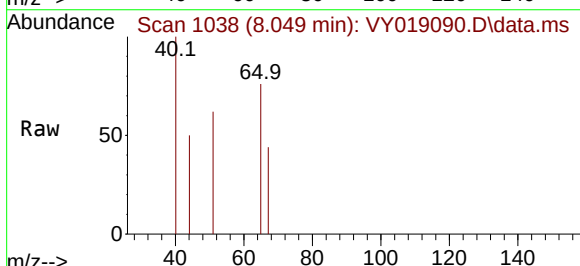
Acq: 16 Aug 2024 13:47

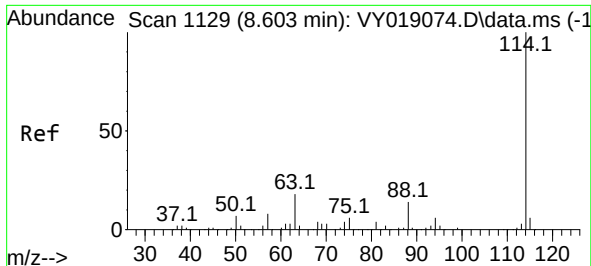
Tgt Ion: 65 Resp: 488

Ion Ratio Lower Upper

65 100

67 64.5 0.0 109.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1129

Delta R.T. 0.006 min

Lab File: VY019090.D

Acq: 16 Aug 2024 13:47

Instrument :

MSVOA_Y

ClientSampleId :

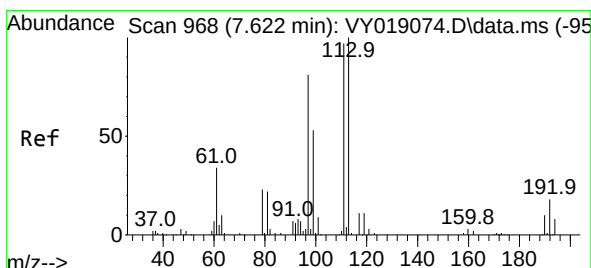
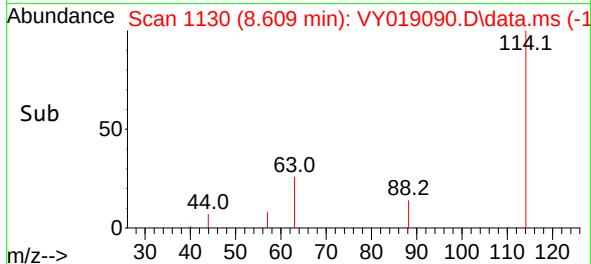
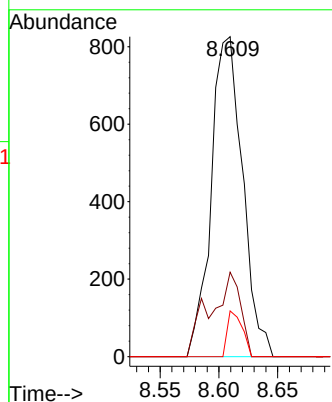
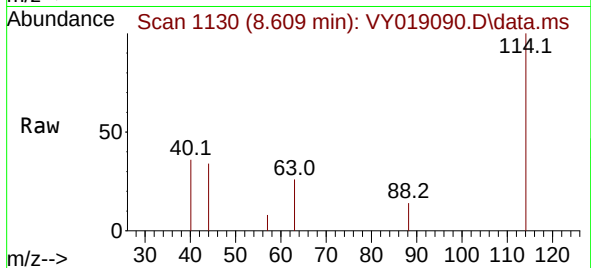
Tgt Ion:114 Resp: 1535

Ion Ratio Lower Upper

114 100

63 26.4 0.0 35.0

88 14.3 0.0 27.2



#35

Dibromofluoromethane

Concen: 47.226 ug/l

RT: 7.622 min Scan# 968

Delta R.T. 0.000 min

Lab File: VY019090.D

Acq: 16 Aug 2024 13:47

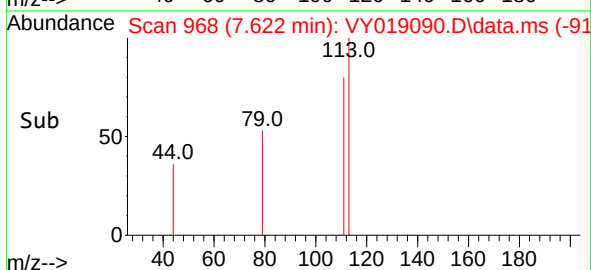
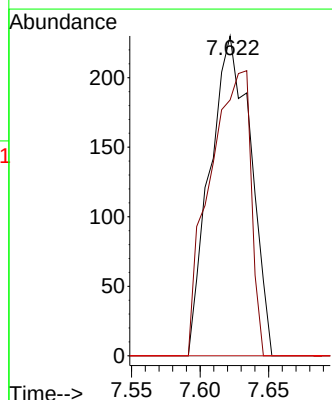
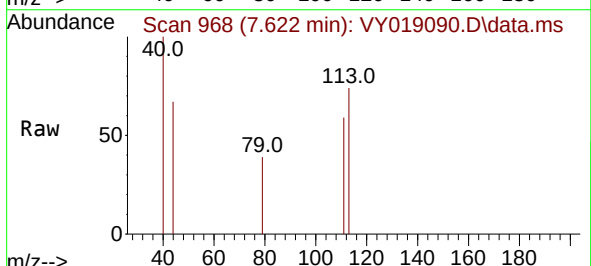
Tgt Ion:113 Resp: 474

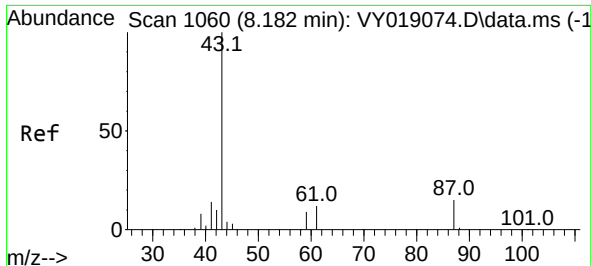
Ion Ratio Lower Upper

113 100

111 90.1 82.2 123.4

192 0.0 15.9 23.9#





#43

Isopropyl Acetate

Concen: 7.288 ug/l

RT: 8.262 min Scan# 1060

Delta R.T. 0.079 min

Lab File: VY019090.D

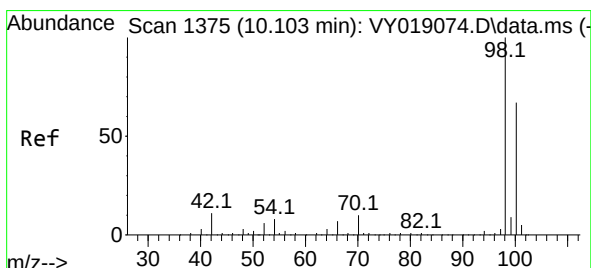
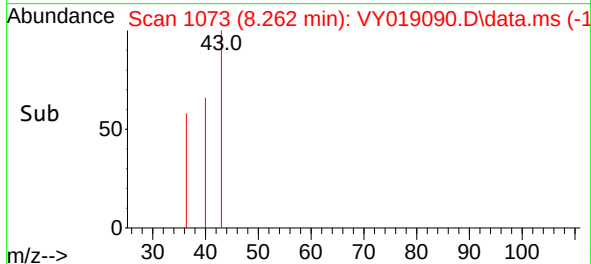
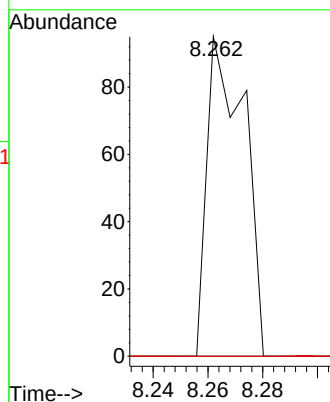
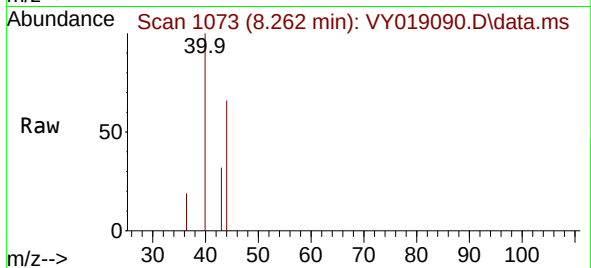
Acq: 16 Aug 2024 13:47

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 43	Resp:	90
Ion	Ratio	Lower Upper
43	100	
61	0.0	27.9 41.9#
87	0.0	13.1 19.7#



#50

Toluene-d8

Concen: 39.287 ug/l

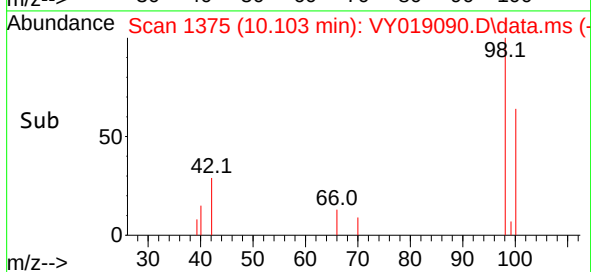
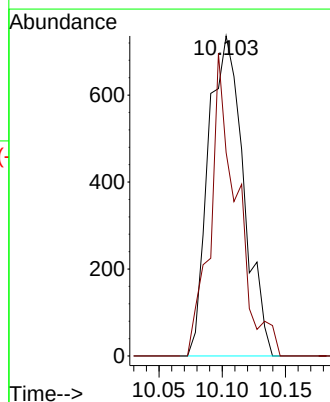
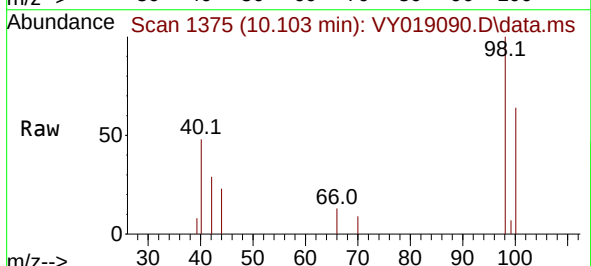
RT: 10.103 min Scan# 1375

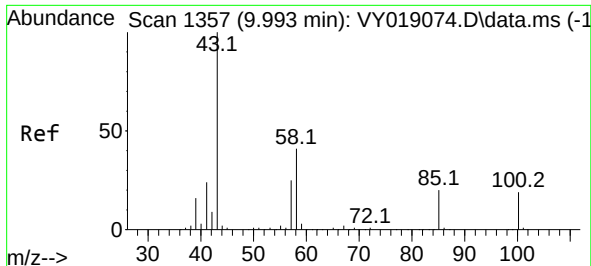
Delta R.T. 0.000 min

Lab File: VY019090.D

Acq: 16 Aug 2024 13:47

Tgt Ion: 98	Resp:	1419
Ion	Ratio	Lower Upper
98	100	
100	71.7	52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 4.730 ug/l

RT: 10.012 min Scan# 11

Delta R.T. 0.019 min

Lab File: VY019090.D

Acq: 16 Aug 2024 13:47

Instrument :

MSVOA_Y

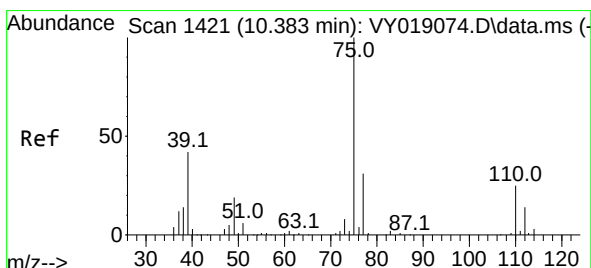
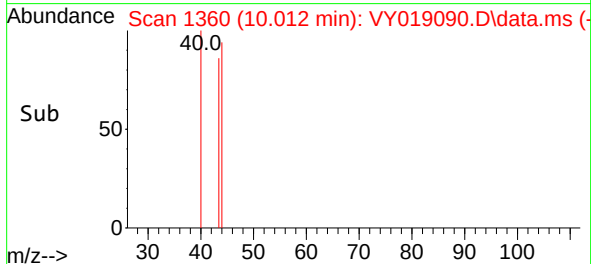
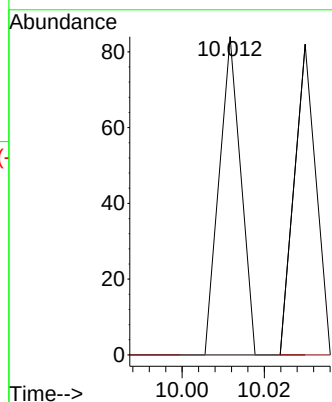
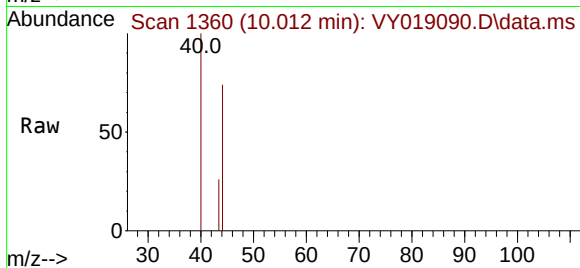
ClientSampleId :

Tgt Ion: 43 Resp: 31

Ion Ratio Lower Upper

43 100

58 0.0 35.7 53.5#



#53

t-1,3-Dichloropropene

Concen: 2.494 ug/l

RT: 10.146 min Scan# 1382

Delta R.T. -0.238 min

Lab File: VY019090.D

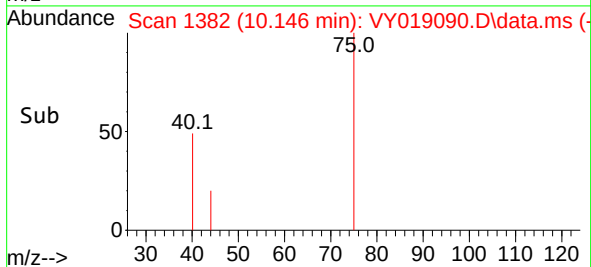
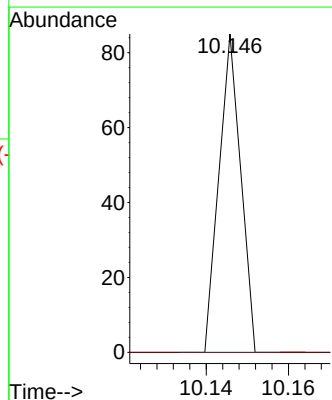
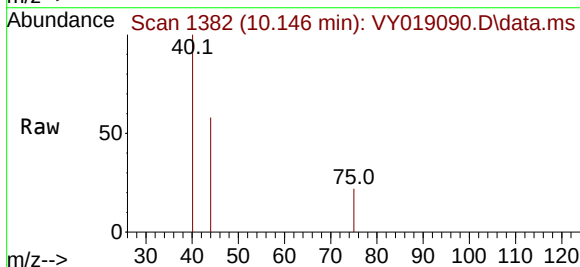
Acq: 16 Aug 2024 13:47

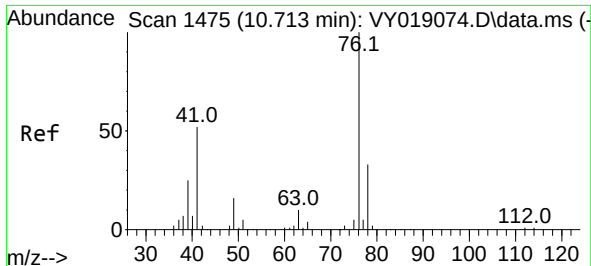
Tgt Ion: 75 Resp: 31

Ion Ratio Lower Upper

75 100

77 0.0 24.1 36.1#

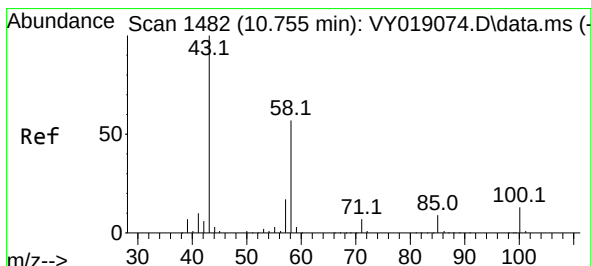
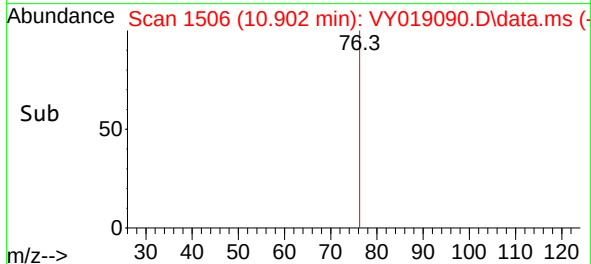
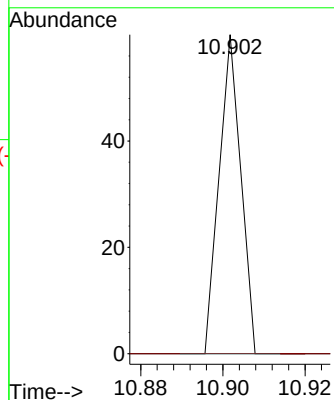
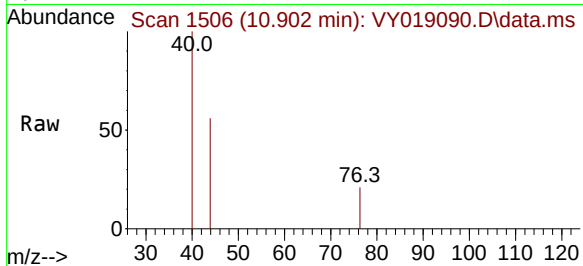




#57
1,3-Dichloropropane
Concen: 1.716 ug/l
RT: 10.902 min Scan# 11
Delta R.T. 0.189 min
Lab File: VY019090.D
Acq: 16 Aug 2024 13:47

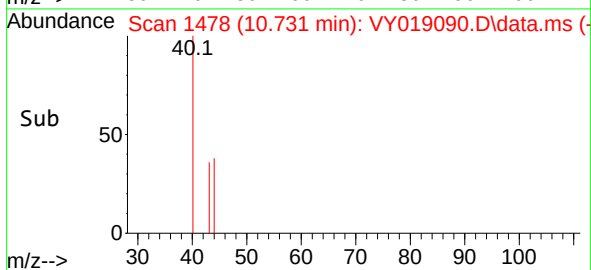
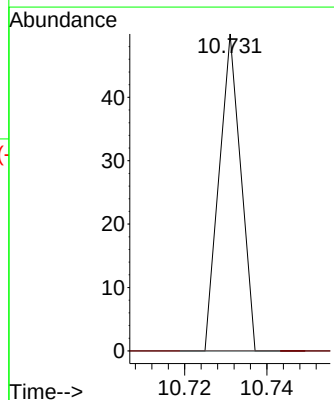
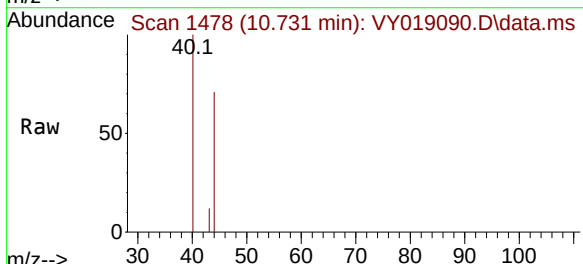
Instrument :
MSVOA_Y
ClientSampleId :

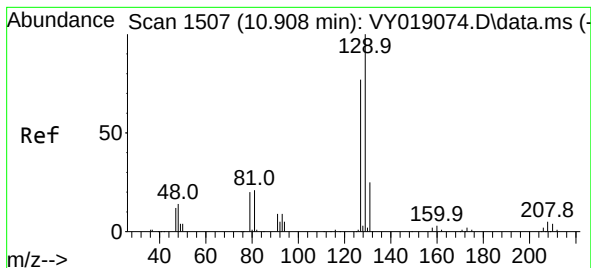
Tgt Ion: 76 Resp: 22
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.4#



#59
2-Hexanone
Concen: 3.997 ug/l
RT: 10.731 min Scan# 1478
Delta R.T. -0.024 min
Lab File: VY019090.D
Acq: 16 Aug 2024 13:47

Tgt Ion: 43 Resp: 18
Ion Ratio Lower Upper
43 100
58 0.0 31.4 94.0#





#60

Dibromochloromethane

Concen: 1.961 ug/l

RT: 11.085 min Scan# 11

Delta R.T. 0.177 min

Lab File: VY019090.D

Acq: 16 Aug 2024 13:47

Instrument :

MSVOA_Y

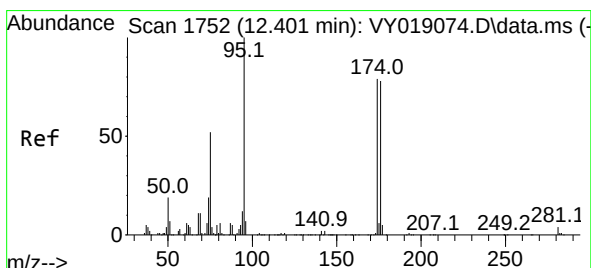
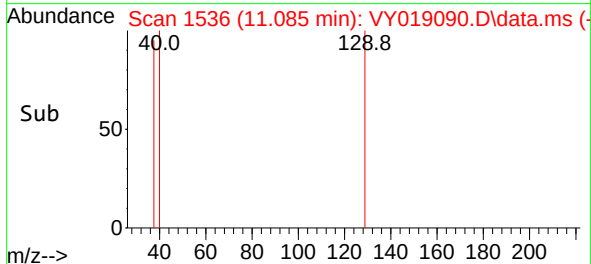
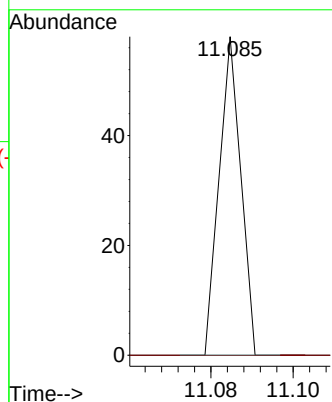
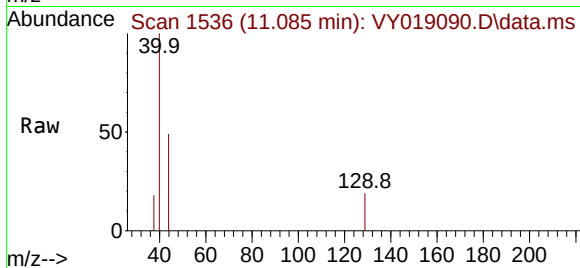
ClientSampleId :

Tgt Ion:129 Resp: 21

Ion Ratio Lower Upper

129 100

127 0.0 39.0 117.0#



#62

4-Bromofluorobenzene

Concen: 6.335 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY019090.D

Acq: 16 Aug 2024 13:47

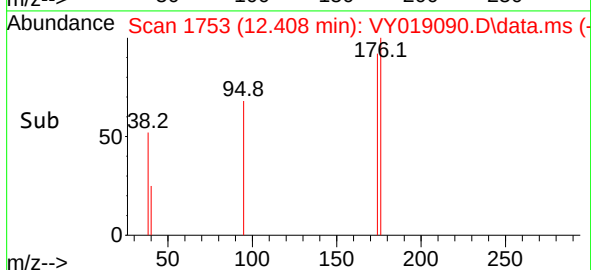
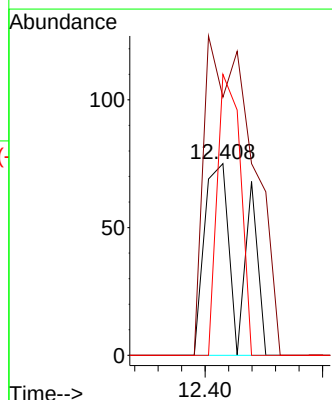
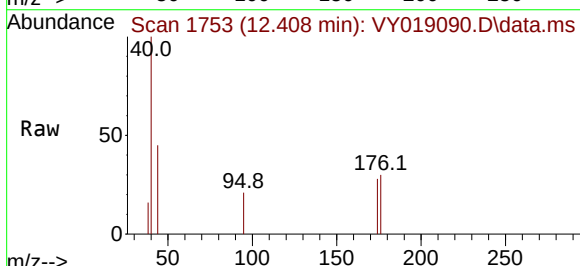
Tgt Ion: 95 Resp: 78

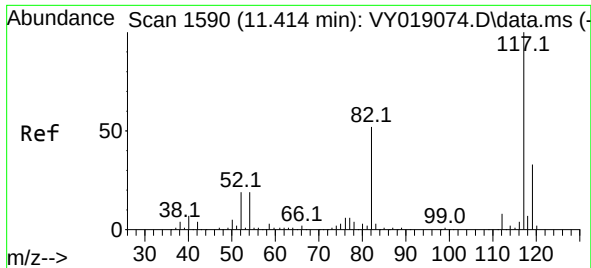
Ion Ratio Lower Upper

95 100

174 226.9 0.0 175.6#

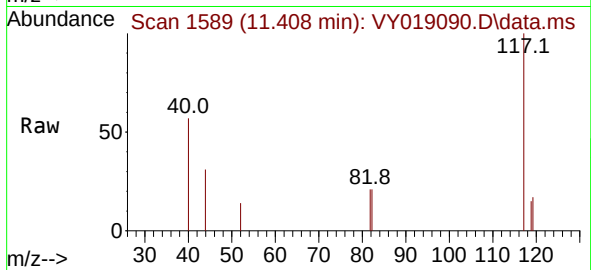
176 96.2 0.0 171.4



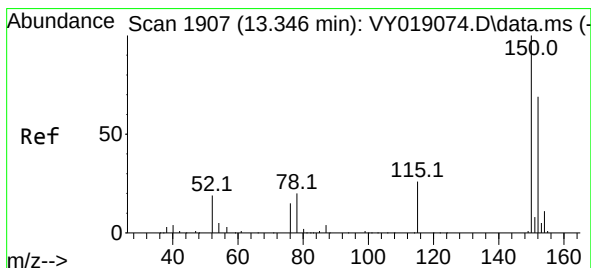
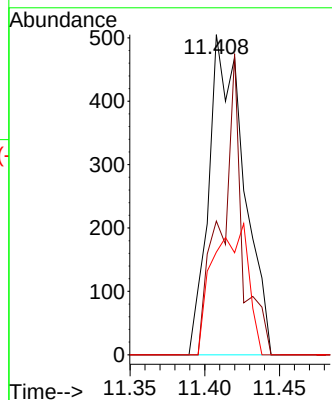
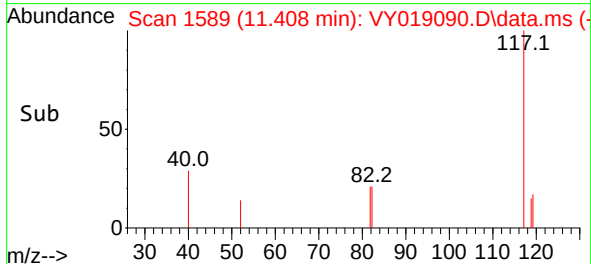


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.408 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019090.D
Acq: 16 Aug 2024 13:47

Instrument :
MSVOA_Y
ClientSampleId :

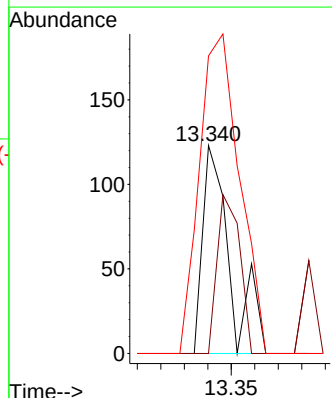
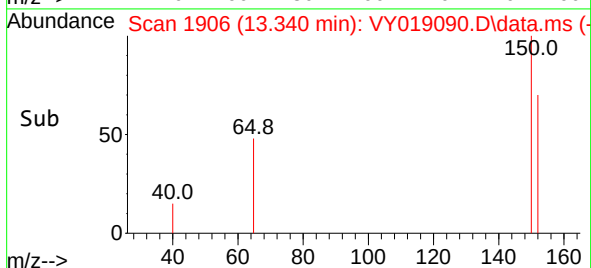
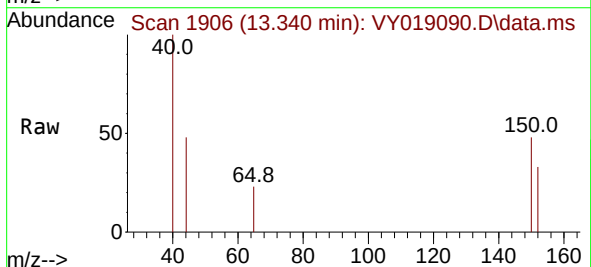


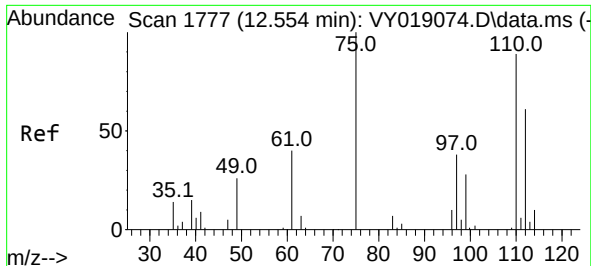
Tgt Ion:117 Resp: 823
Ion Ratio Lower Upper
117 100
82 41.8 42.4 63.6#
119 32.1 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY019090.D
Acq: 16 Aug 2024 13:47

Tgt Ion:152 Resp: 98
Ion Ratio Lower Upper
152 100
115 64.3 28.2 84.7
150 229.6 0.0 345.6

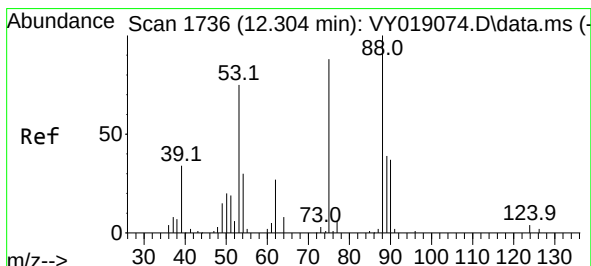
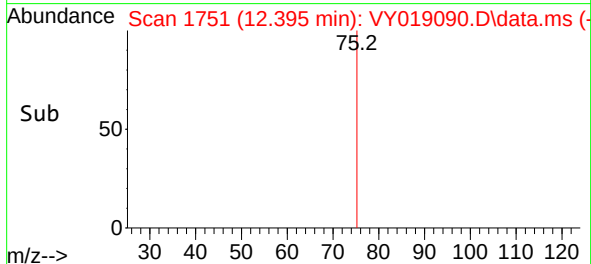
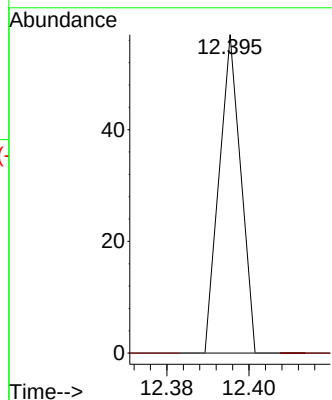
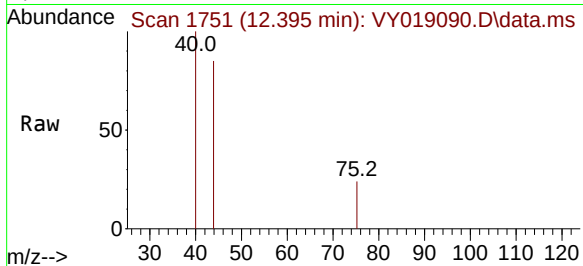




#76
1,2,3-Trichloropropane
Concen: 21.729 ug/l
RT: 12.395 min Scan# 1751
Delta R.T. -0.158 min
Lab File: VY019090.D
Acq: 16 Aug 2024 13:47

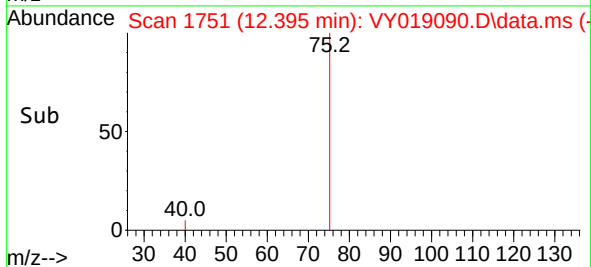
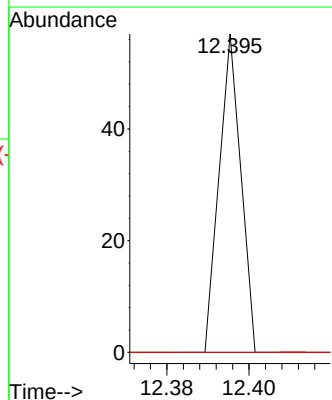
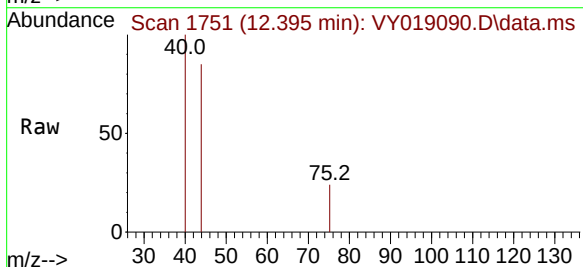
Instrument :
MSVOA_Y
ClientSampleId :

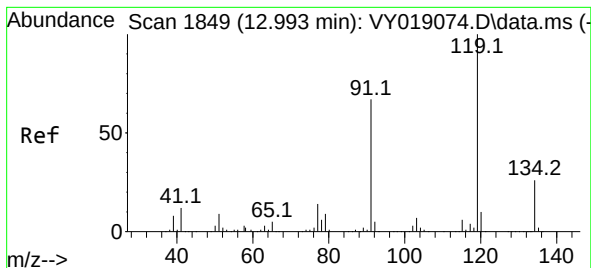
Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 53.663 ug/l
RT: 12.395 min Scan# 1751
Delta R.T. 0.092 min
Lab File: VY019090.D
Acq: 16 Aug 2024 13:47

Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#





#83

tert-Butylbenzene

Concen: 3.893 ug/l

RT: 13.005 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY019090.D

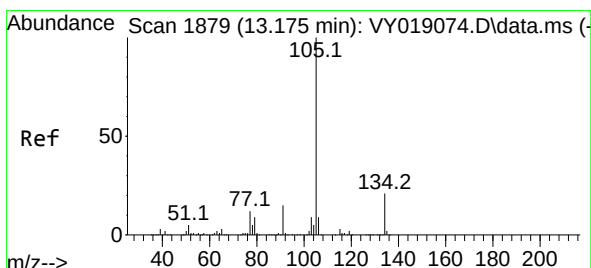
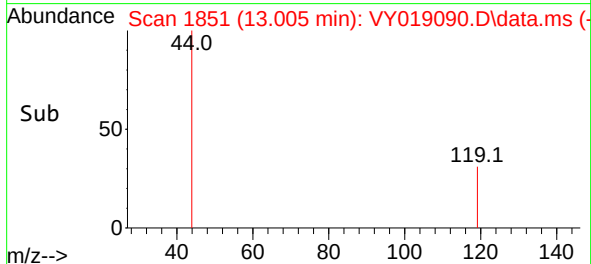
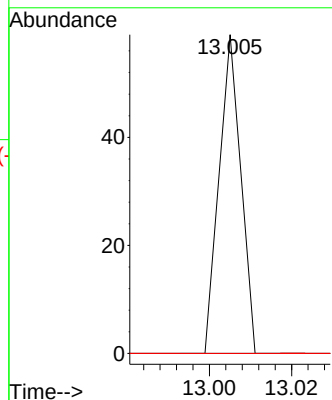
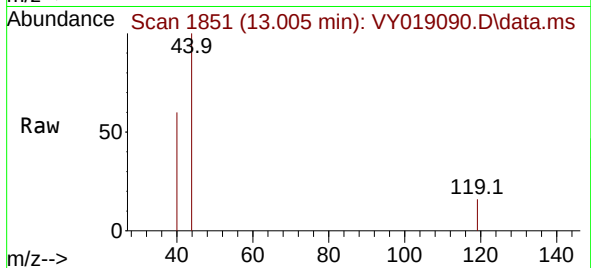
Acq: 16 Aug 2024 13:47

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:119	Resp:	22
Ion	Ratio	Lower Upper
119	100	
91	0.0	31.3 93.8#
134	0.0	13.4 40.1#



#85

sec-Butylbenzene

Concen: 2.429 ug/l

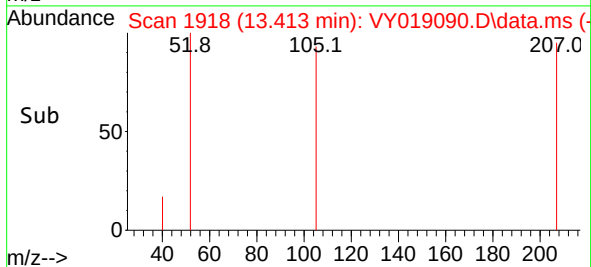
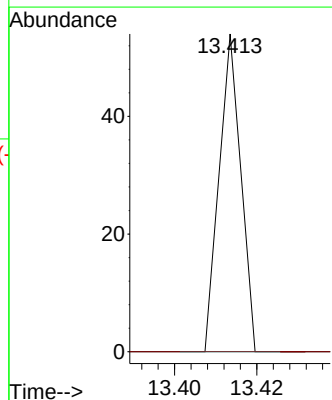
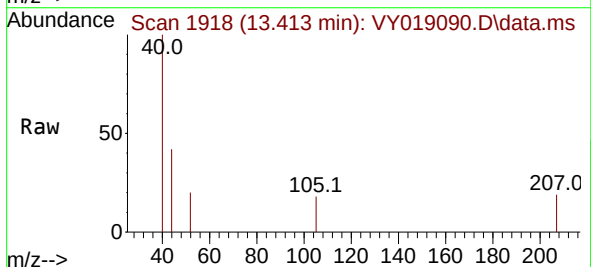
RT: 13.413 min Scan# 1918

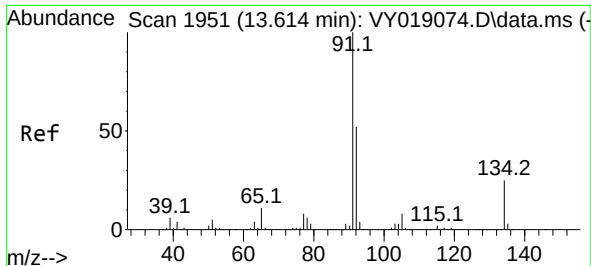
Delta R.T. 0.238 min

Lab File: VY019090.D

Acq: 16 Aug 2024 13:47

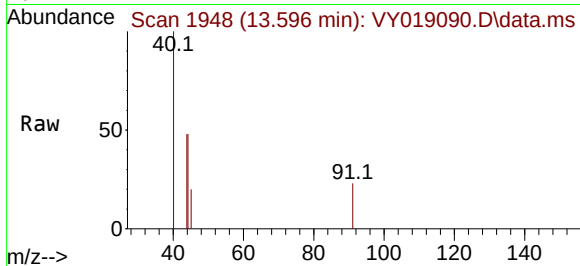
Tgt Ion:105	Resp:	20
Ion	Ratio	Lower Upper
105	100	
134	0.0	10.1 30.1#



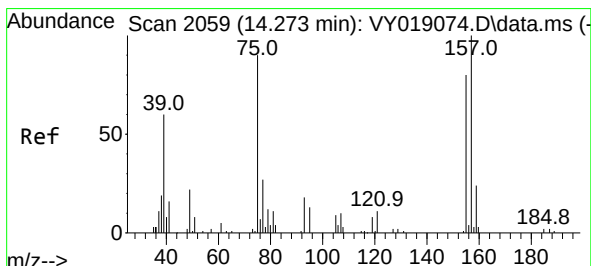
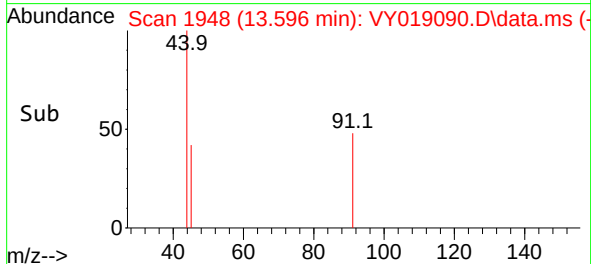
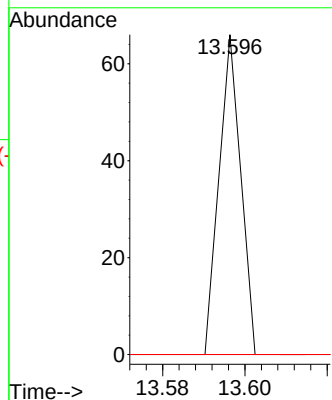


#89
n-Butylbenzene
Concen: 3.892 ug/l
RT: 13.596 min Scan# 1948
Delta R.T. -0.018 min
Lab File: VY019090.D
Acq: 16 Aug 2024 13:47

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 91 Resp: 24
Ion Ratio Lower Upper
91 100
92 0.0 26.6 79.7#
134 0.0 12.9 38.7#



#92
1,2-Dibromo-3-Chloropropane
Concen: 254.170 ug/l
RT: 14.023 min Scan# 2018
Delta R.T. -0.250 min
Lab File: VY019090.D
Acq: 16 Aug 2024 13:47

Tgt Ion: 75 Resp: 50
Ion Ratio Lower Upper
75 100
155 0.0 48.6 145.8#
157 0.0 62.7 188.2#

