

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081624\
 Data File : VY019099.D
 Acq On : 16 Aug 2024 17:31
 Operator : SY/MD
 Sample : P3512-06
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 17 00:07:44 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)

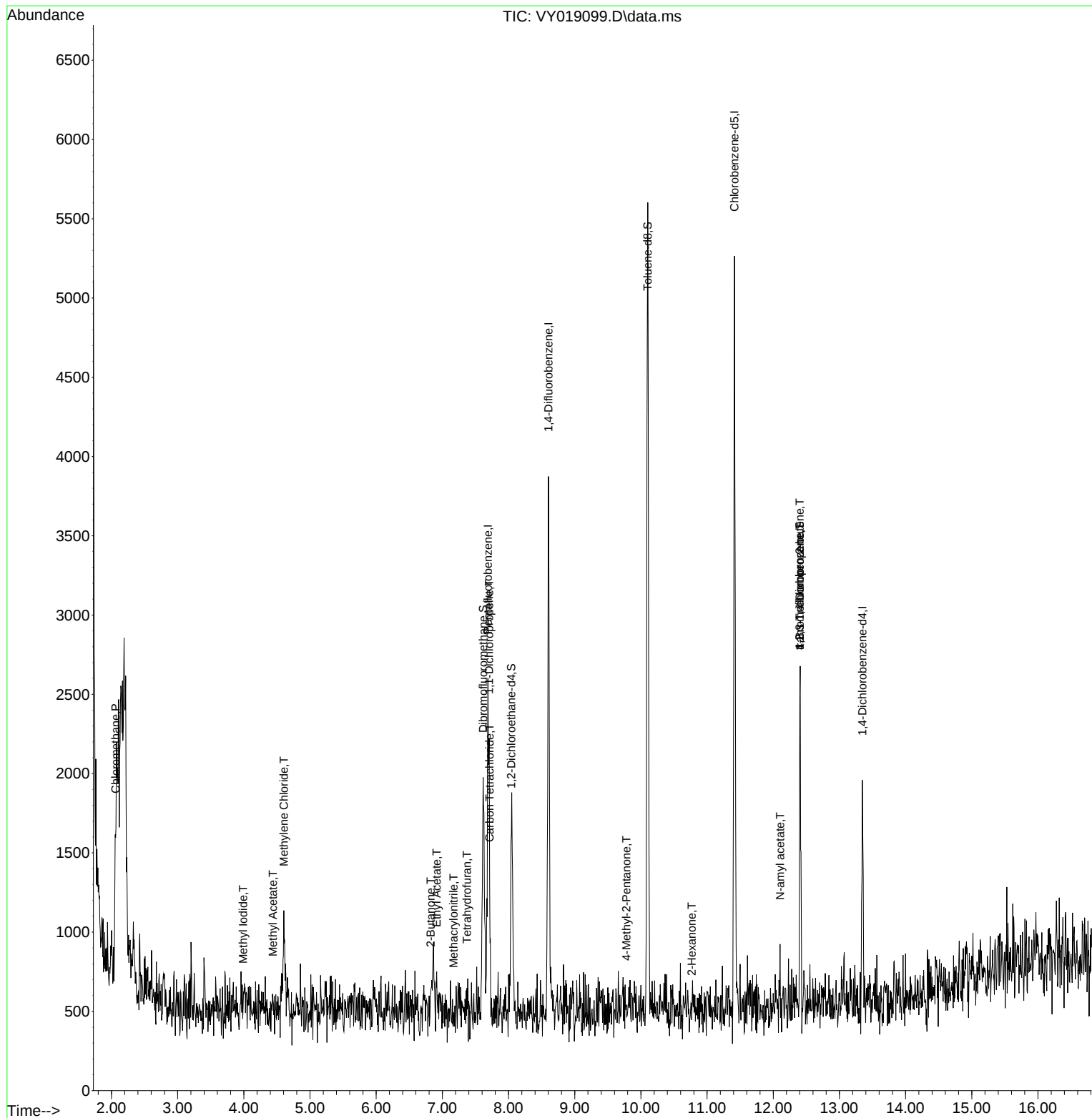
Internal Standards						
1) Pentafluorobenzene	7.689	168	2102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.603	114	3033	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	2869	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	488	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.043	65	1116	52.964	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.920%	
35) Dibromofluoromethane	7.616	113	1066	53.753	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.500%	
50) Toluene-d8	10.103	98	3908	54.759	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.520%	
62) 4-Bromofluorobenzene	12.402	95	680	27.950	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 55.900%	
Target Compounds						Qvalue
3) Chloromethane	2.062	50	120	4.317	ug/l	# 43
5) Bromomethane	2.598	94	42	Below Cal	#	3
10) Methyl Iodide	3.988	142	28	1.238	ug/l	# 42
13) Acrolein	3.793	56	18	Below Cal	#	15
18) Methyl Acetate	4.440	43	45	3.752	ug/l	# 46
20) Methylene Chloride	4.604	84	436	9.729	ug/l	# 70
25) 2-Butanone	6.823	43	22	3.496	ug/l	# 41
29) Tetrahydrofuran	7.372	42	22	5.438	ug/l	# 26
31) Cyclohexane	7.872	56	41	Below Cal	#	11
36) 1,1-Dichloropropene	7.707	75	125	4.590	ug/l	# 40
37) Ethyl Acetate	6.915	43	27	2.238	ug/l	# 67
38) Carbon Tetrachloride	7.713	117	51	1.616	ug/l	# 13
41) Methacrylonitrile	7.171	41	20	3.037	ug/l	# 15
51) 4-Methyl-2-Pentanone	9.780	43	33	2.548	ug/l	# 31
59) 2-Hexanone	10.768	43	21	2.360	ug/l	# 19
74) N-amyl acetate	12.103	43	22	2.697	ug/l	# 37
76) 1,2,3-Trichloropropane	12.402	75	430	89.349	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.402	75	430	220.663	ug/l	# 16

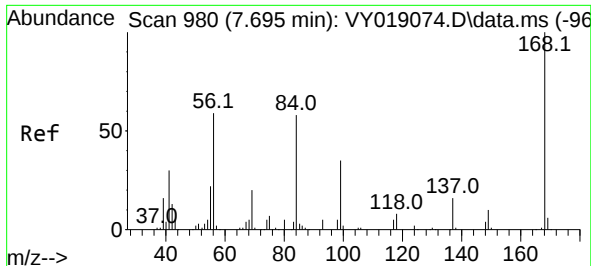
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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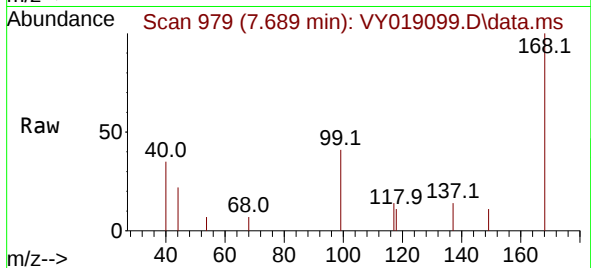
Quant Time: Aug 17 00:07:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081524S.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 05:10:30 2024
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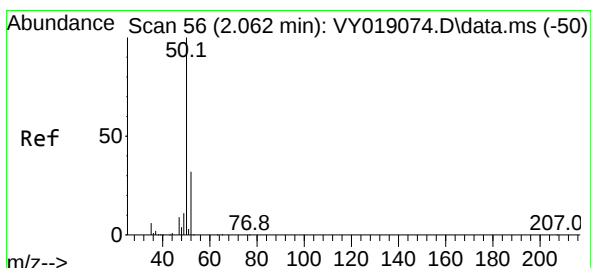
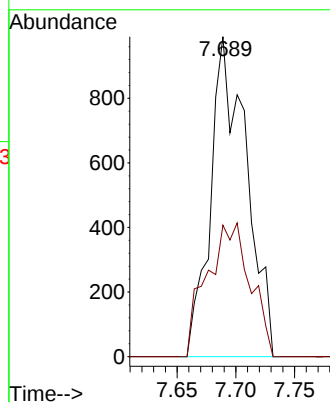
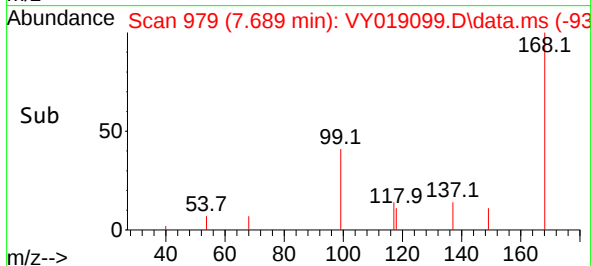


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.689 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019099.D
Acq: 16 Aug 2024 17:31

Instrument :
MSVOA_Y
ClientSampleId :

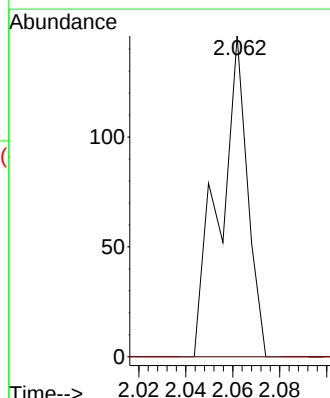
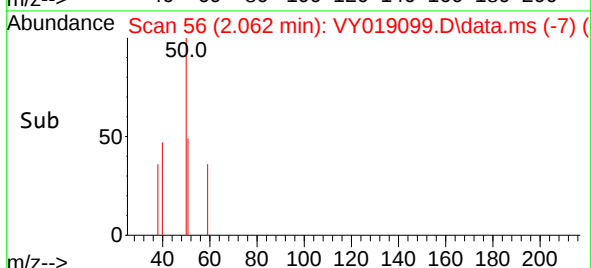
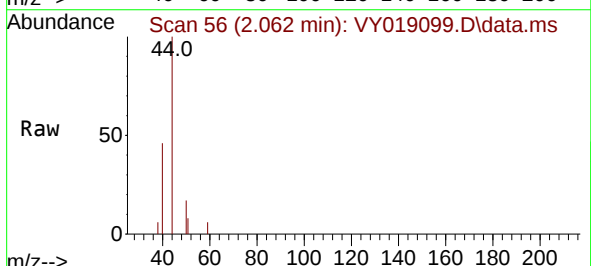


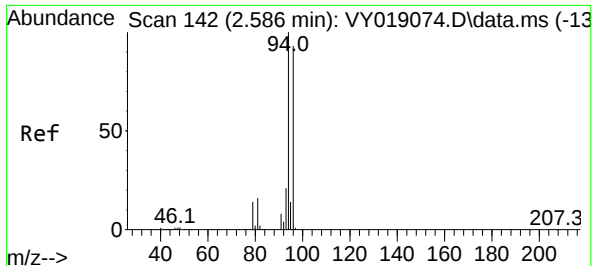
Tgt Ion:168 Resp: 2102
Ion Ratio Lower Upper
168 100
99 41.1 39.1 58.7



#3
Chloromethane
Concen: 4.317 ug/l
RT: 2.062 min Scan# 56
Delta R.T. -0.000 min
Lab File: VY019099.D
Acq: 16 Aug 2024 17:31

Tgt Ion: 50 Resp: 120
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

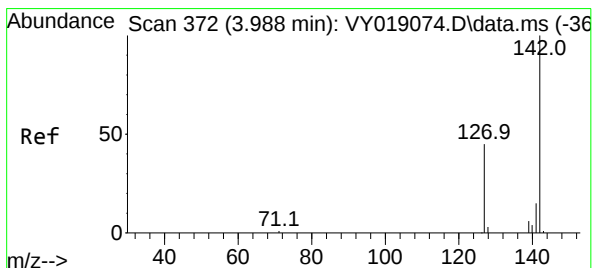
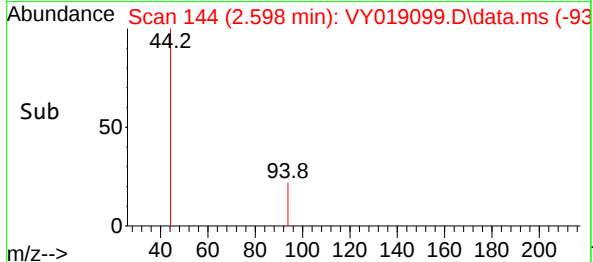
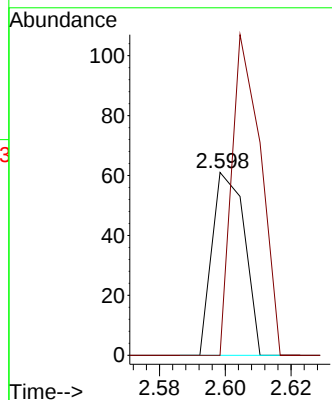
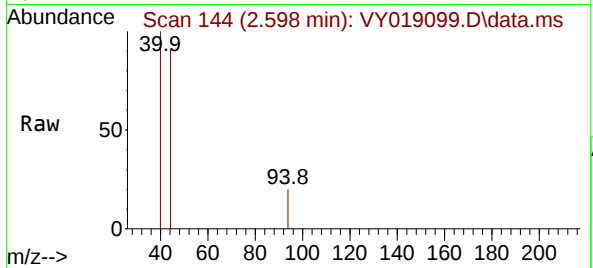




#5
Bromomethane
Concen: Below Cal
RT: 2.598 min Scan# 14
Delta R.T. 0.012 min
Lab File: VY019099.D
Acq: 16 Aug 2024 17:31

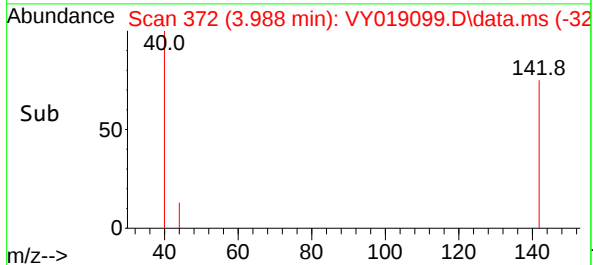
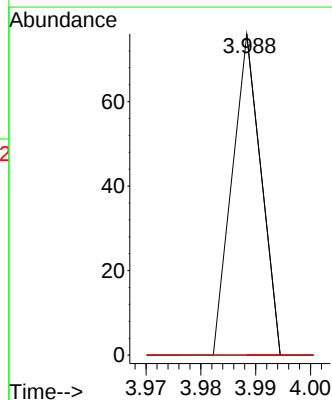
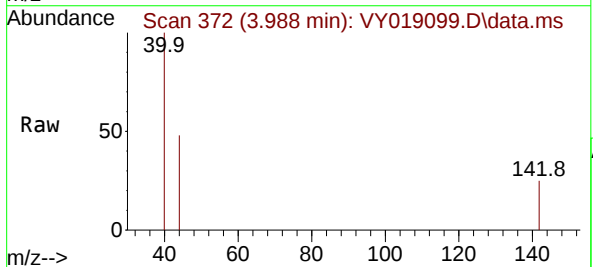
Instrument :
MSVOA_Y
ClientSampleId :

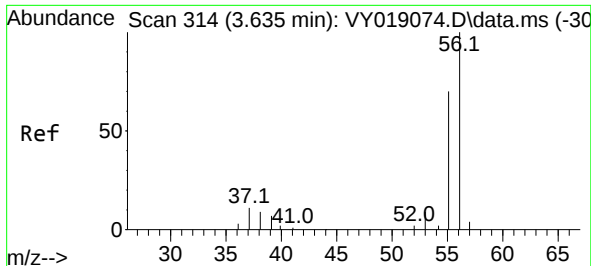
Tgt Ion: 94 Resp: 42
Ion Ratio Lower Upper
94 100
96 0.0 74.1 111.1#



#10
Methyl Iodide
Concen: 1.238 ug/l
RT: 3.988 min Scan# 372
Delta R.T. 0.000 min
Lab File: VY019099.D
Acq: 16 Aug 2024 17:31

Tgt Ion:142 Resp: 28
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#





#13

Acrolein

Concen: Below Cal

RT: 3.793 min Scan# 34

Delta R.T. 0.158 min

Lab File: VY019099.D

Acq: 16 Aug 2024 17:31

Instrument :

MSVOA_Y

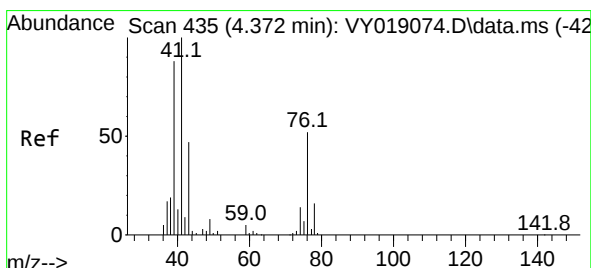
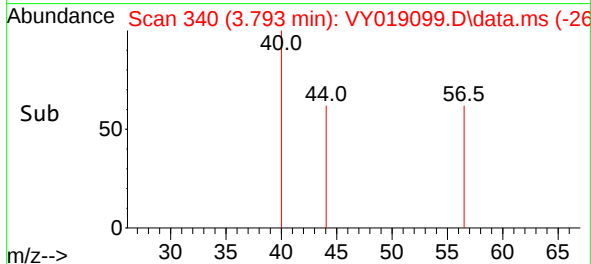
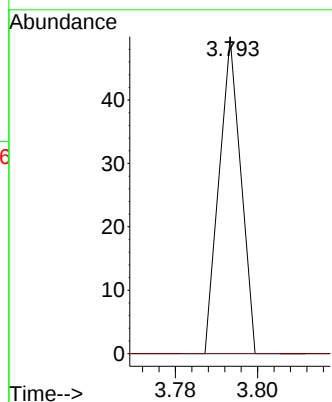
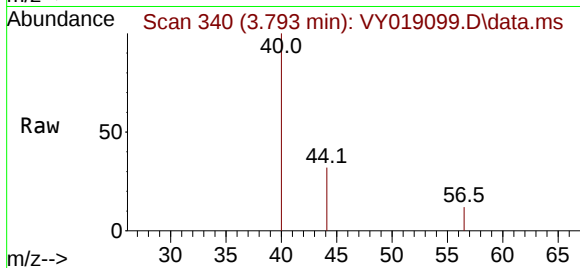
ClientSampleId :

Tgt Ion: 56 Resp: 18

Ion Ratio Lower Upper

56 100

55 0.0 55.7 83.5#



#18

Methyl Acetate

Concen: 3.752 ug/l

RT: 4.440 min Scan# 446

Delta R.T. 0.067 min

Lab File: VY019099.D

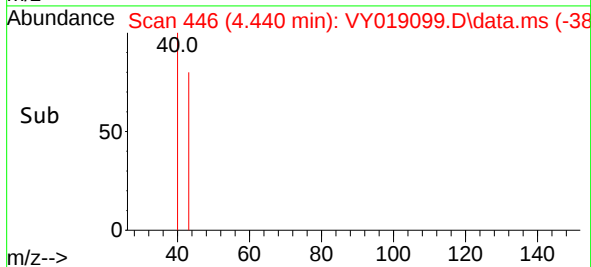
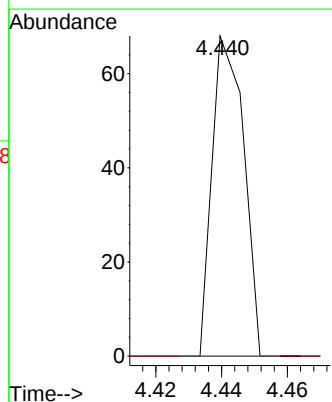
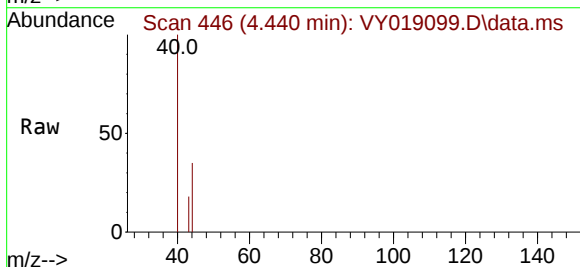
Acq: 16 Aug 2024 17:31

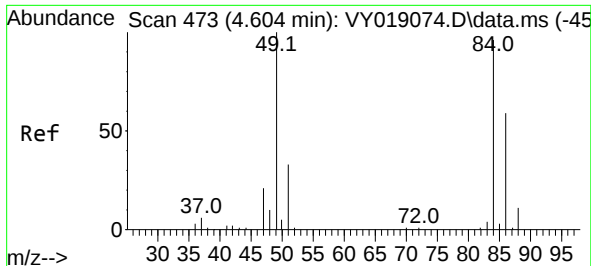
Tgt Ion: 43 Resp: 45

Ion Ratio Lower Upper

43 100

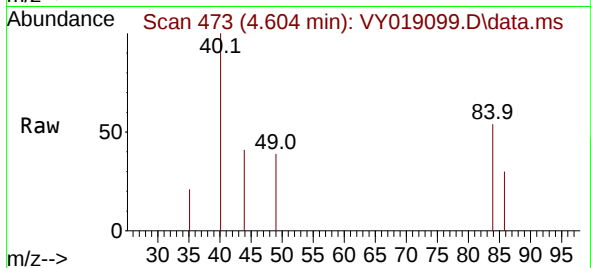
74 0.0 23.3 34.9#



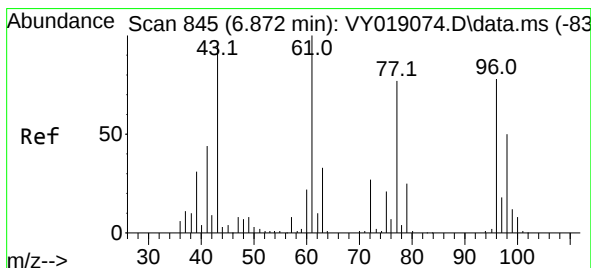
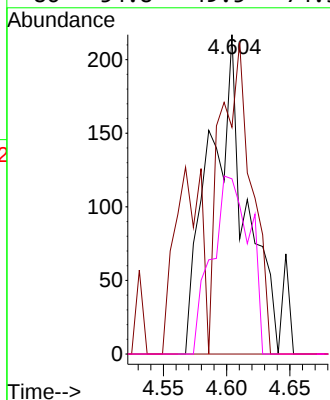
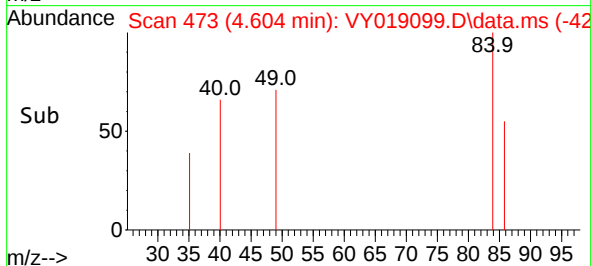


#20
Methylene Chloride
Concen: 9.729 ug/l
RT: 4.604 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY019099.D
Acq: 16 Aug 2024 17:31

Instrument :
MSVOA_Y
ClientSampleId :

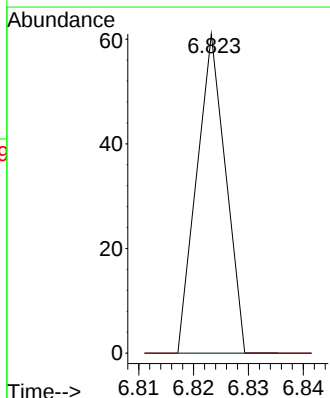
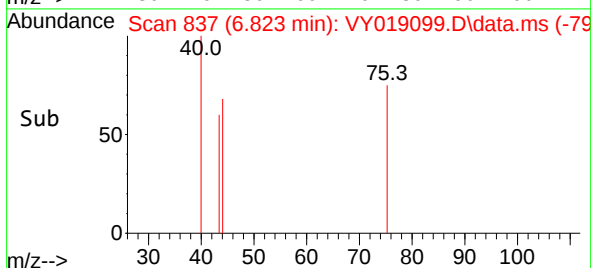
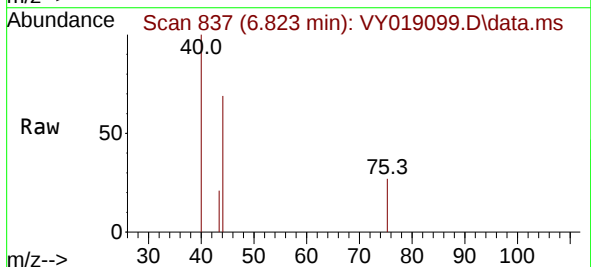


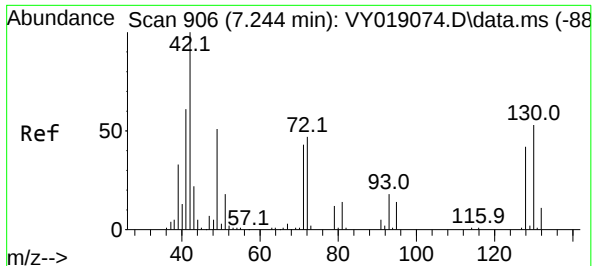
Tgt Ion:	84	Resp:	436
Ion	Ratio	Lower	Upper
84	100		
49	71.0	84.4	126.6#
51	0.0	26.0	39.0#
86	54.8	49.5	74.3



#25
2-Butanone
Concen: 3.496 ug/l
RT: 6.823 min Scan# 837
Delta R.T. -0.048 min
Lab File: VY019099.D
Acq: 16 Aug 2024 17:31

Tgt Ion:	43	Resp:	22
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.3	40.9#





#29

Tetrahydrofuran

Concen: 5.438 ug/l

RT: 7.372 min Scan# 91

Delta R.T. 0.128 min

Lab File: VY019099.D

Acq: 16 Aug 2024 17:31

Instrument :

MSVOA_Y

ClientSampleId :

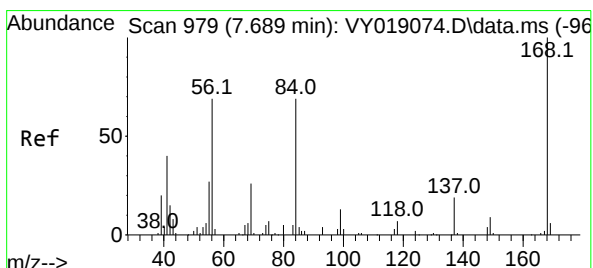
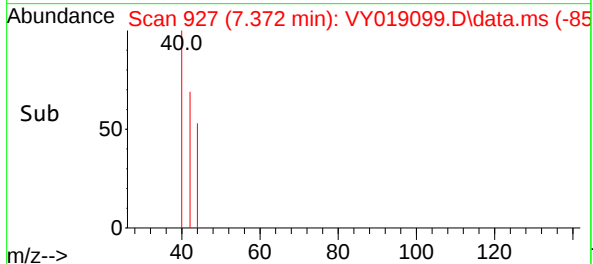
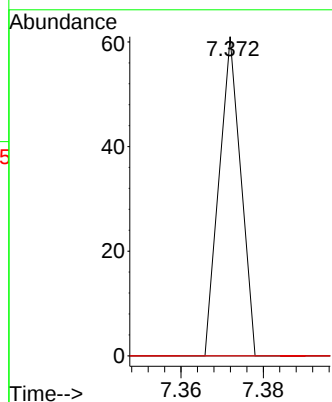
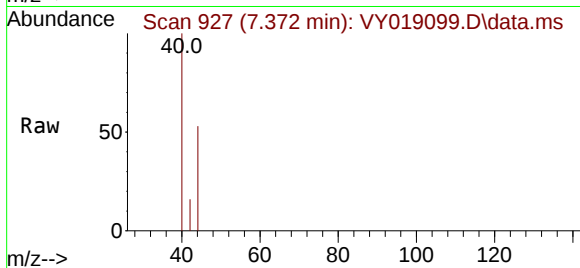
Tgt Ion: 42 Resp: 22

Ion Ratio Lower Upper

42 100

72 0.0 43.0 64.4#

71 0.0 40.8 61.2#



#31

Cyclohexane

Concen: Below Cal

RT: 7.872 min Scan# 1009

Delta R.T. 0.183 min

Lab File: VY019099.D

Acq: 16 Aug 2024 17:31

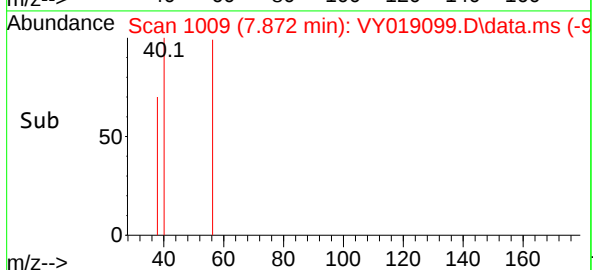
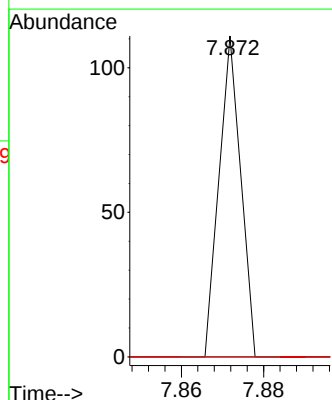
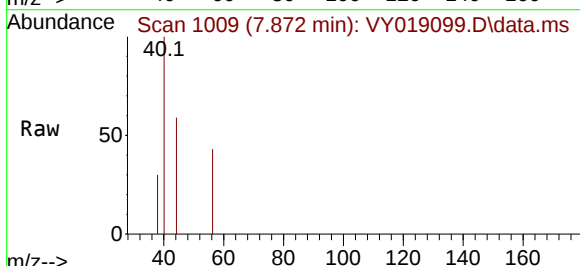
Tgt Ion: 56 Resp: 41

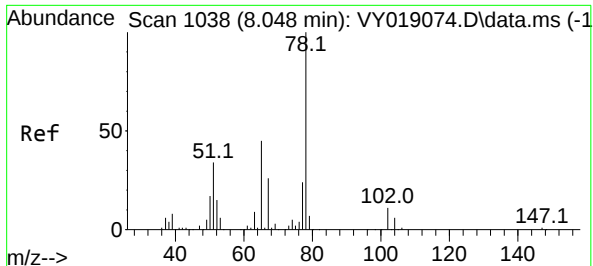
Ion Ratio Lower Upper

56 100

69 0.0 28.7 43.1#

84 0.0 77.7 116.5#





#33

1,2-Dichloroethane-d4

Concen: 52.964 ug/l

RT: 8.043 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY019099.D

Acq: 16 Aug 2024 17:31

Instrument :

MSVOA_Y

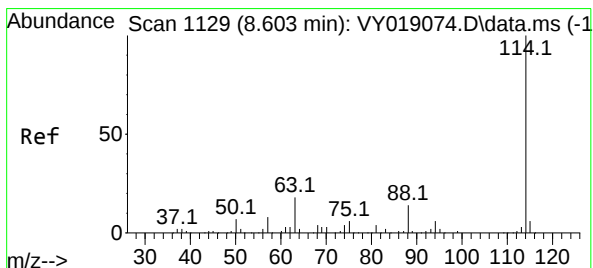
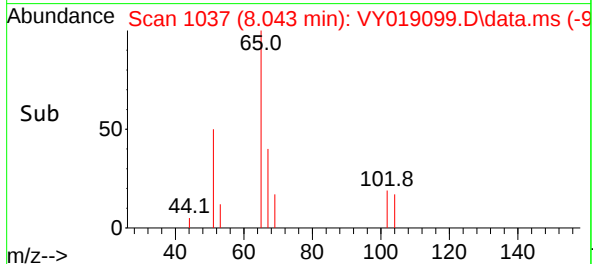
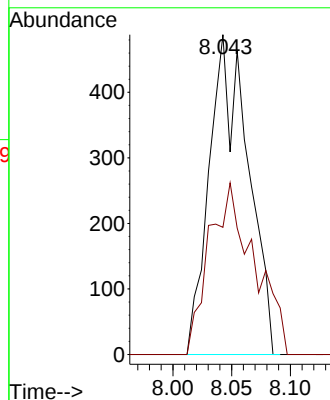
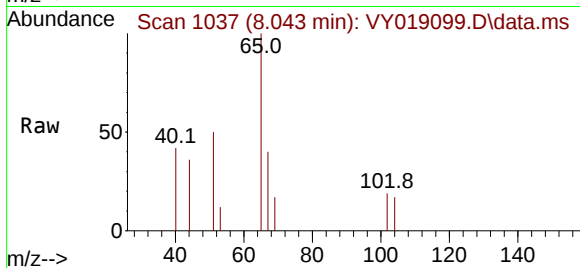
ClientSampleId :

Tgt Ion: 65 Resp: 1116

Ion Ratio Lower Upper

65 100

67 62.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.603 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VY019099.D

Acq: 16 Aug 2024 17:31

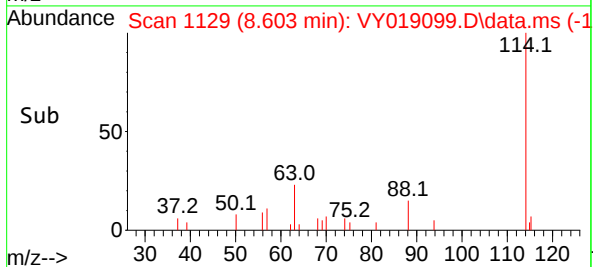
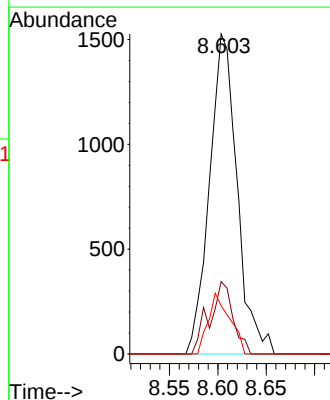
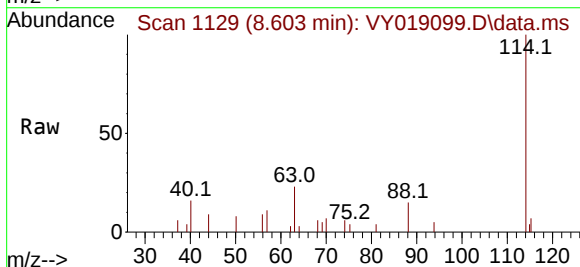
Tgt Ion: 114 Resp: 3033

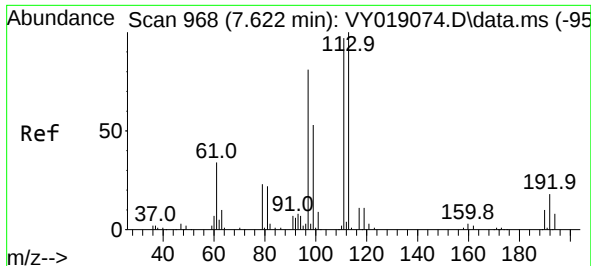
Ion Ratio Lower Upper

114 100

63 22.6 0.0 35.0

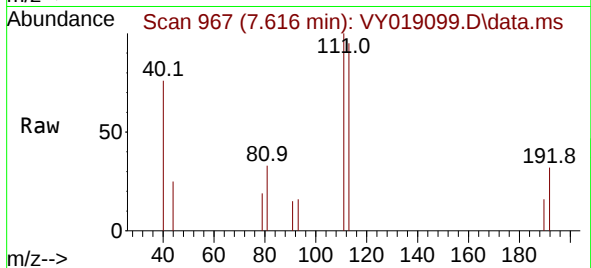
88 15.1 0.0 27.2



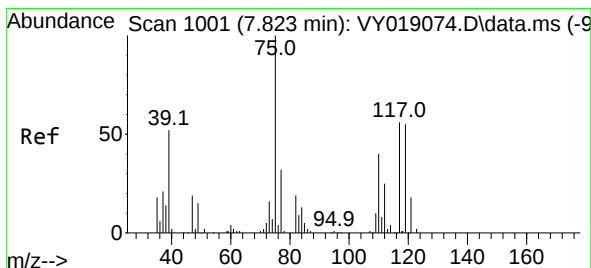
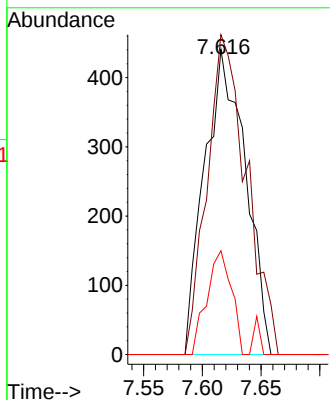
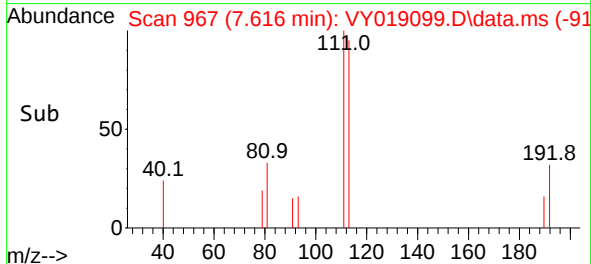


#35
Dibromofluoromethane
Concen: 53.753 ug/l
RT: 7.616 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019099.D
Acq: 16 Aug 2024 17:31

Instrument :
MSVOA_Y
ClientSampleId :

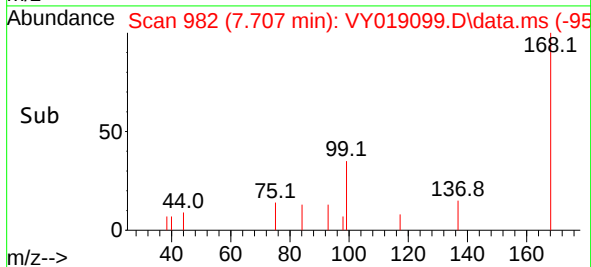
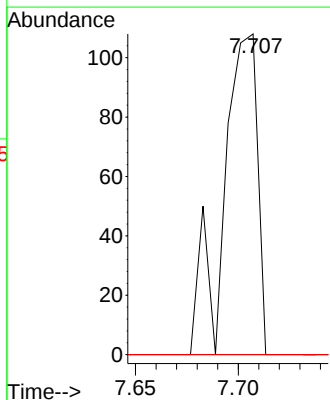
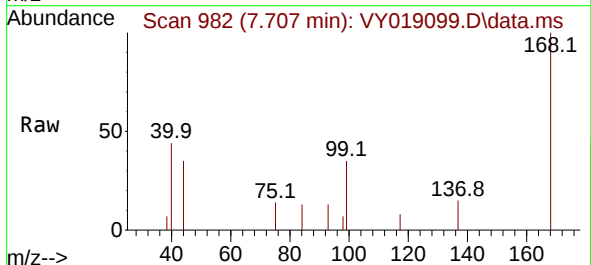


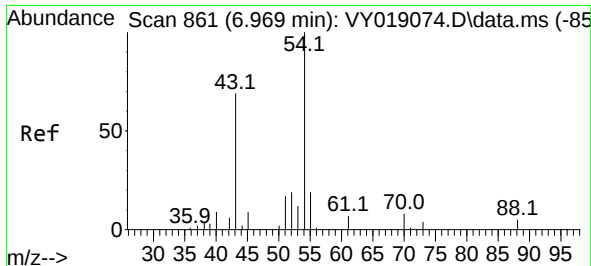
Tgt Ion:113 Resp: 1066
Ion Ratio Lower Upper
113 100
111 100.7 82.2 123.4
192 20.5 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.590 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY019099.D
Acq: 16 Aug 2024 17:31

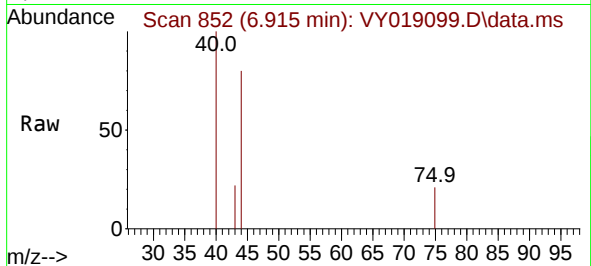
Tgt Ion: 75 Resp: 125
Ion Ratio Lower Upper
75 100
110 0.0 19.0 57.0#
77 0.0 25.3 37.9#



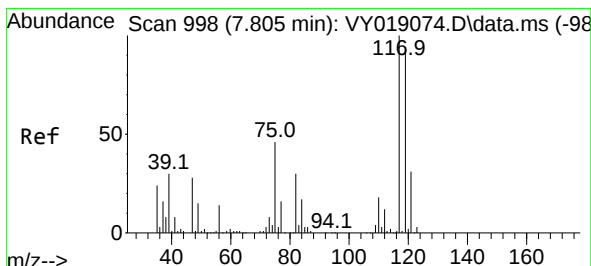
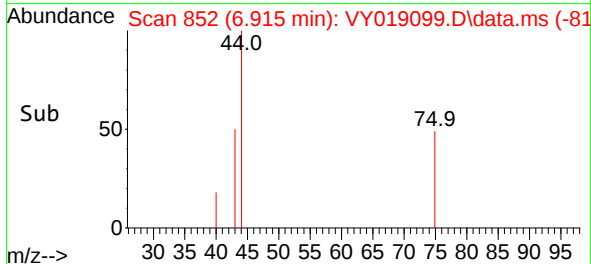
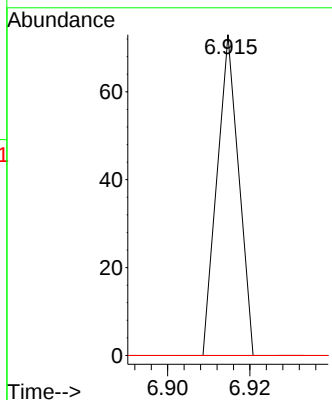


#37
Ethyl Acetate
Concen: 2.238 ug/l
RT: 6.915 min Scan# 81
Delta R.T. -0.055 min
Lab File: VY019099.D
Acq: 16 Aug 2024 17:31

Instrument :
MSVOA_Y
ClientSampleId :

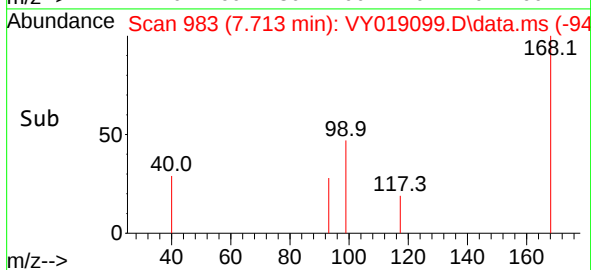
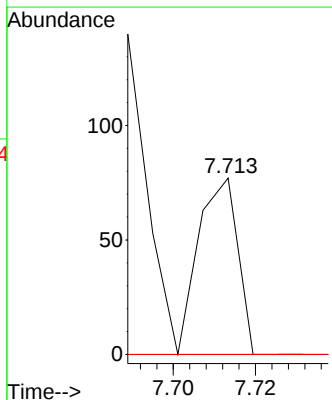
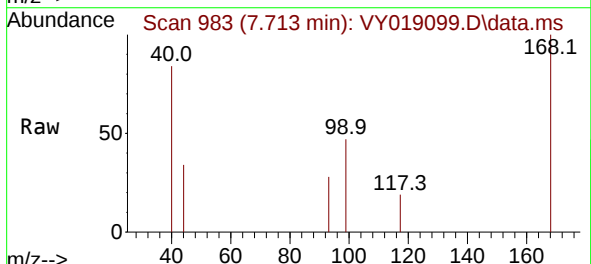


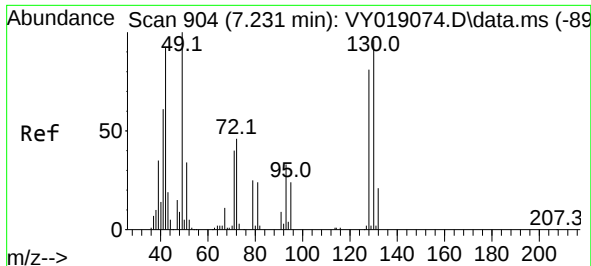
Tgt Ion: 43 Resp: 27
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 1.616 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.091 min
Lab File: VY019099.D
Acq: 16 Aug 2024 17:31

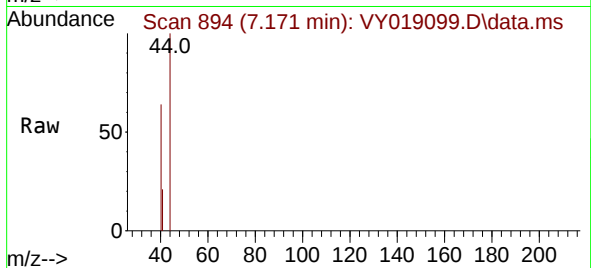
Tgt Ion: 117 Resp: 51
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#



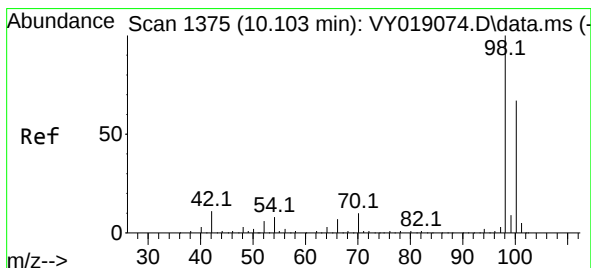
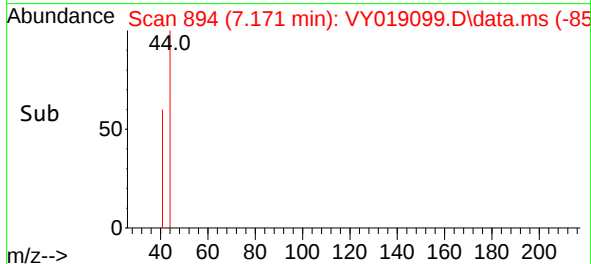
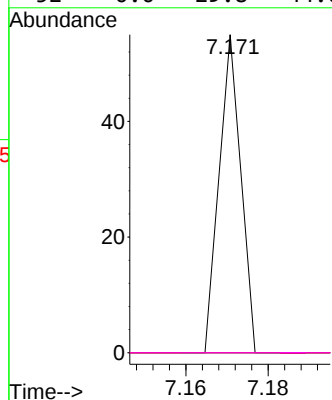


#41
Methacrylonitrile
Concen: 3.037 ug/l
RT: 7.171 min Scan# 894
Delta R.T. -0.061 min
Lab File: VY019099.D
Acq: 16 Aug 2024 17:31

Instrument :
MSVOA_Y
ClientSampleId :

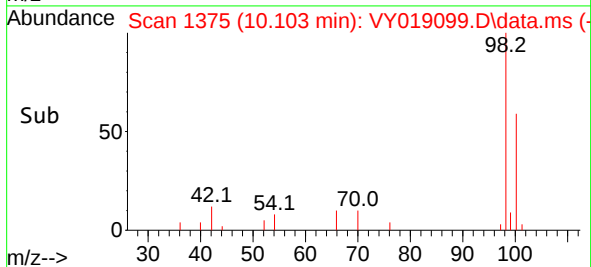
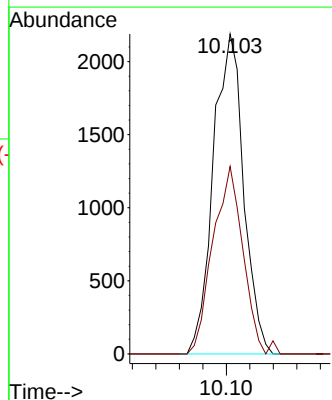
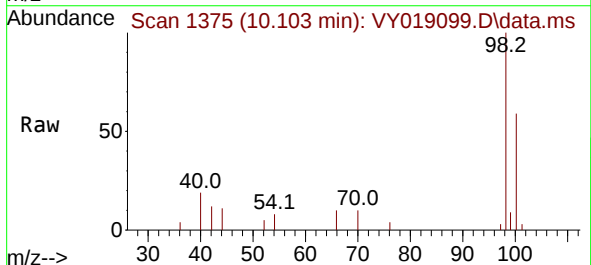


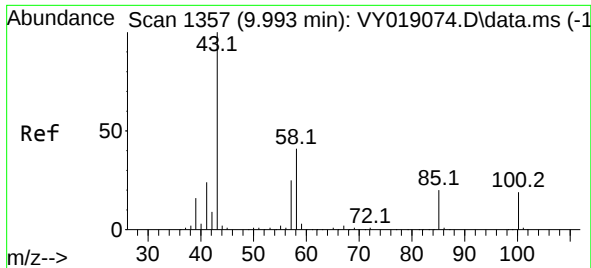
Tgt Ion: 41 Resp: 20
Ion Ratio Lower Upper
41 100
39 0.0 48.0 72.0#
67 0.0 75.1 112.7#
52 0.0 29.8 44.6#



#50
Toluene-d8
Concen: 54.759 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY019099.D
Acq: 16 Aug 2024 17:31

Tgt Ion: 98 Resp: 3908
Ion Ratio Lower Upper
98 100
100 58.5 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 2.548 ug/l

RT: 9.780 min Scan# 11

Delta R.T. -0.213 min

Lab File: VY019099.D

Acq: 16 Aug 2024 17:31

Instrument :

MSVOA_Y

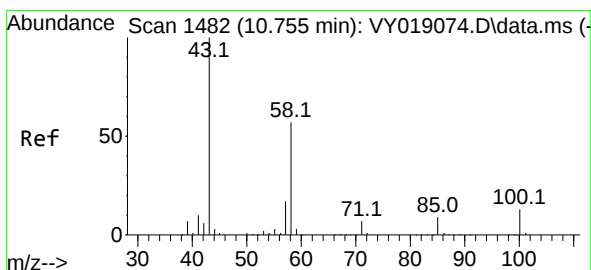
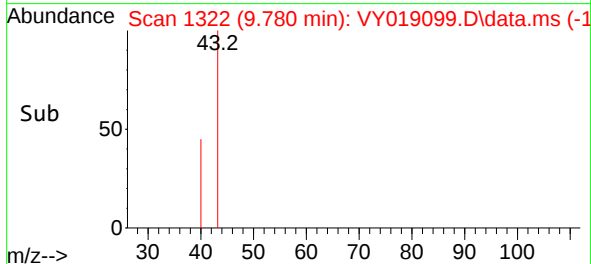
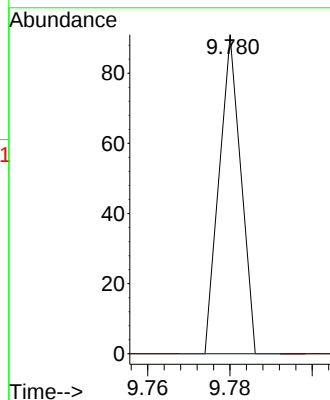
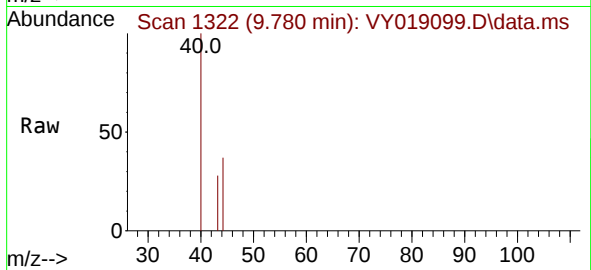
ClientSampleId :

Tgt Ion: 43 Resp: 33

Ion Ratio Lower Upper

43 100

58 0.0 35.7 53.5#



#59

2-Hexanone

Concen: 2.360 ug/l

RT: 10.768 min Scan# 1484

Delta R.T. 0.012 min

Lab File: VY019099.D

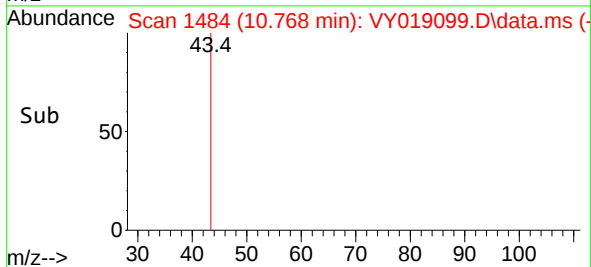
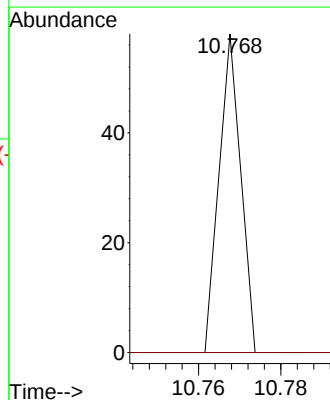
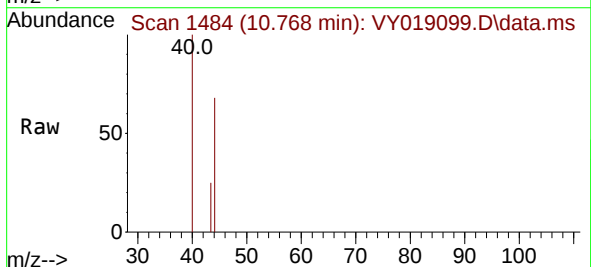
Acq: 16 Aug 2024 17:31

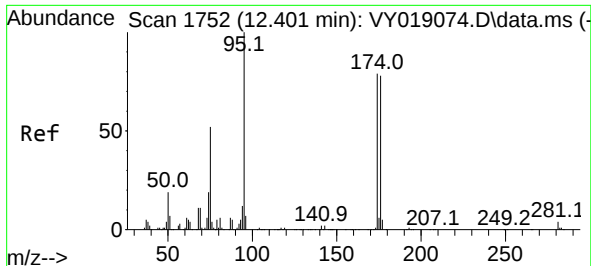
Tgt Ion: 43 Resp: 21

Ion Ratio Lower Upper

43 100

58 0.0 31.4 94.0#

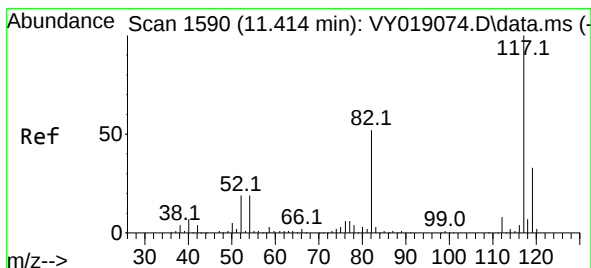
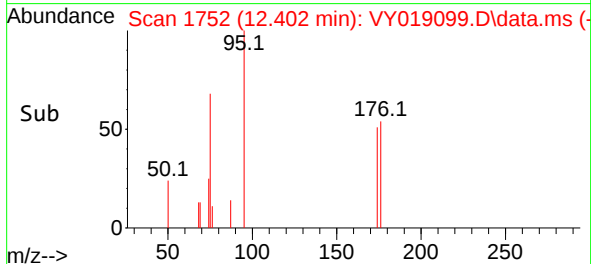
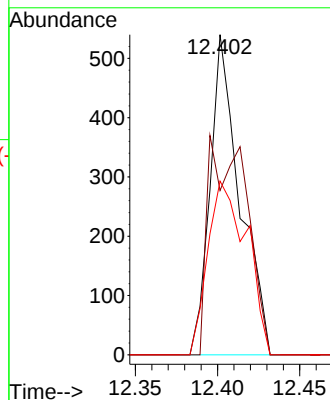
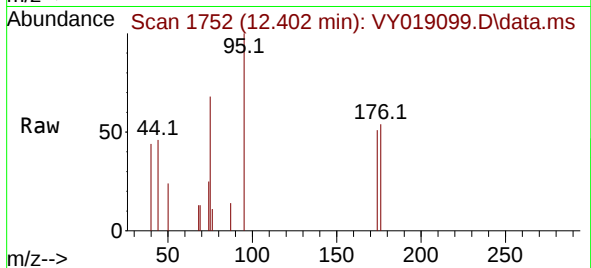




#62
4-Bromofluorobenzene
Concen: 27.950 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY019099.D
Acq: 16 Aug 2024 17:31

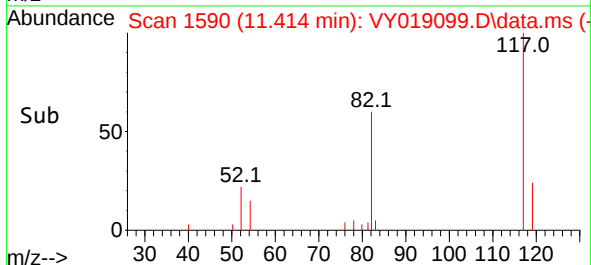
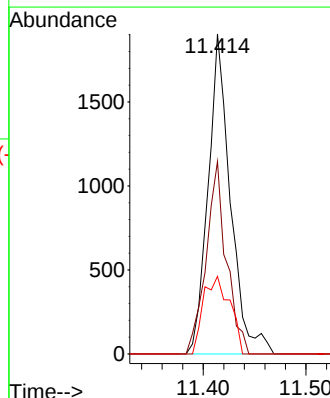
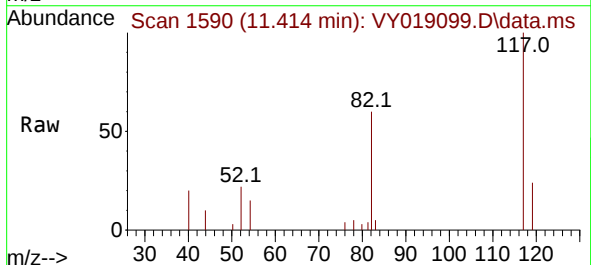
Instrument :
MSVOA_Y
ClientSampleId :

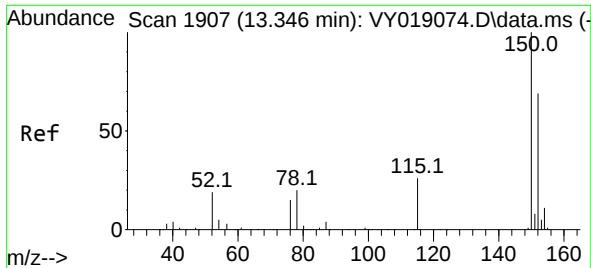
Tgt Ion:	95	Resp:	680
Ion	Ratio	Lower	Upper
95	100		
174	88.4	0.0	175.6
176	70.9	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY019099.D
Acq: 16 Aug 2024 17:31

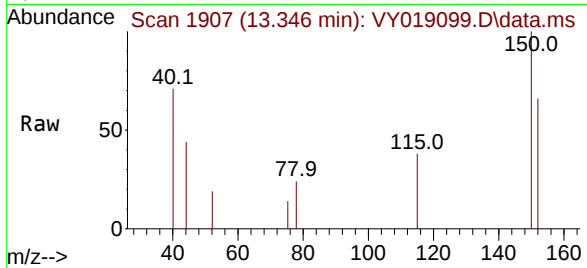
Tgt Ion:	117	Resp:	2869
Ion	Ratio	Lower	Upper
117	100		
82	60.2	42.4	63.6
119	24.3	25.9	38.9#



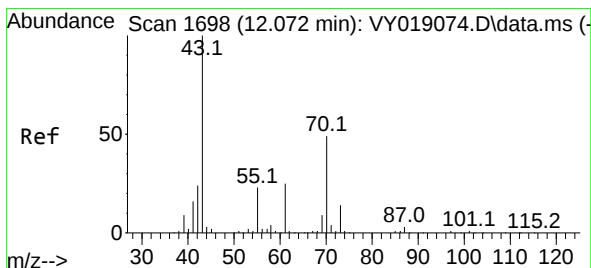
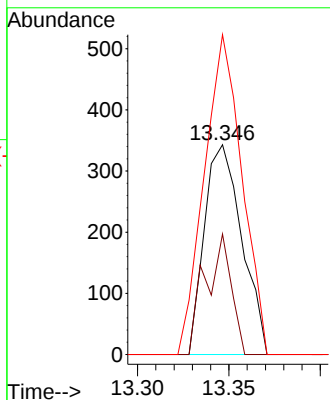
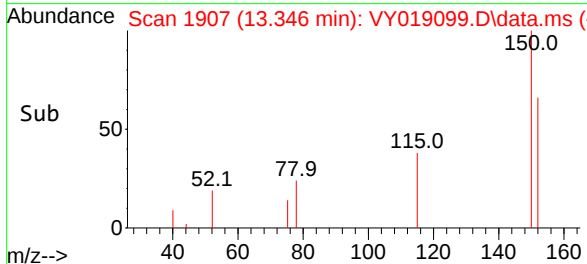


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019099.D
Acq: 16 Aug 2024 17:31

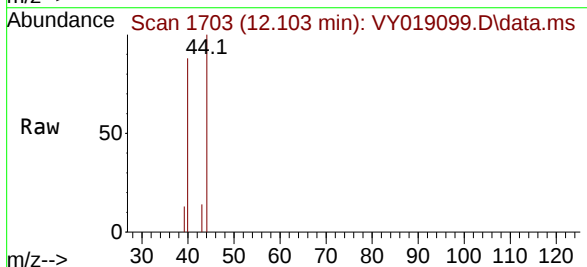
Instrument :
MSVOA_Y
ClientSampleId :



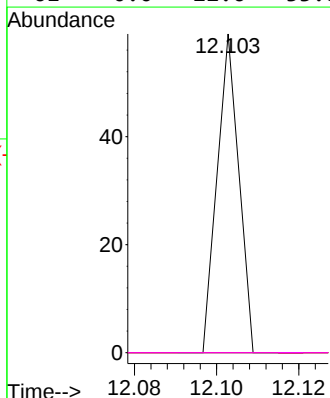
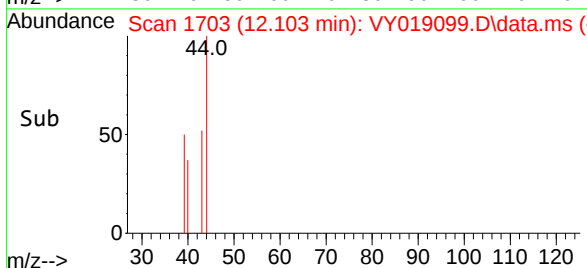
Tgt Ion:152 Resp: 488
Ion Ratio Lower Upper
152 100
115 40.0 28.2 84.7
150 153.9 0.0 345.6

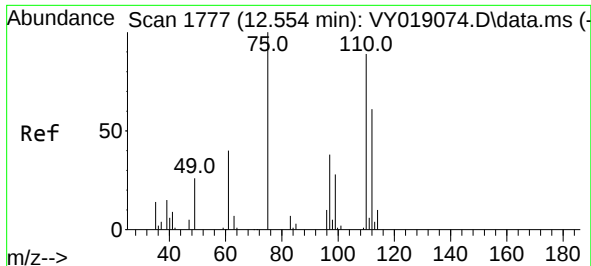


#74
N-ethyl acetate
Concen: 2.697 ug/l
RT: 12.103 min Scan# 1703
Delta R.T. 0.031 min
Lab File: VY019099.D
Acq: 16 Aug 2024 17:31



Tgt Ion: 43 Resp: 22
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#

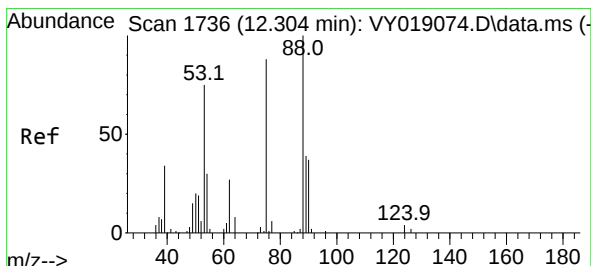
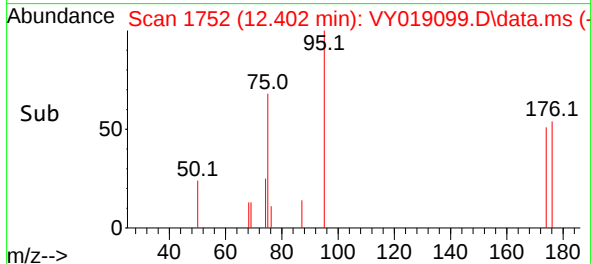
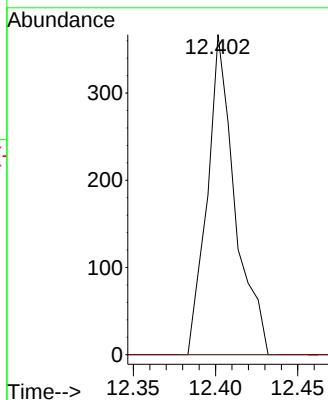
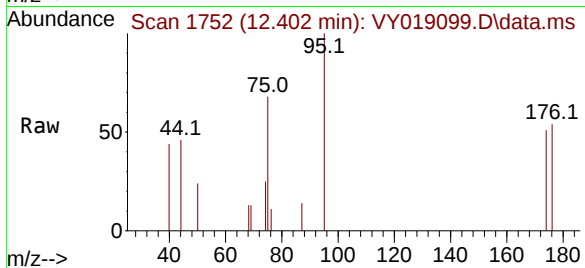




#76
1,2,3-Trichloropropane
Concen: 89.349 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY019099.D
Acq: 16 Aug 2024 17:31

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 430
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 220.663 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY019099.D
Acq: 16 Aug 2024 17:31

Tgt Ion: 75 Resp: 430
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#

