

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071624\
 Data File : VY018841.D
 Acq On : 16 Jul 2024 19:34
 Operator : SY/MD
 Sample : P3255-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jul 17 02:00:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y070924S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 09 14:28:51 2024
 Response via : Initial Calibration

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

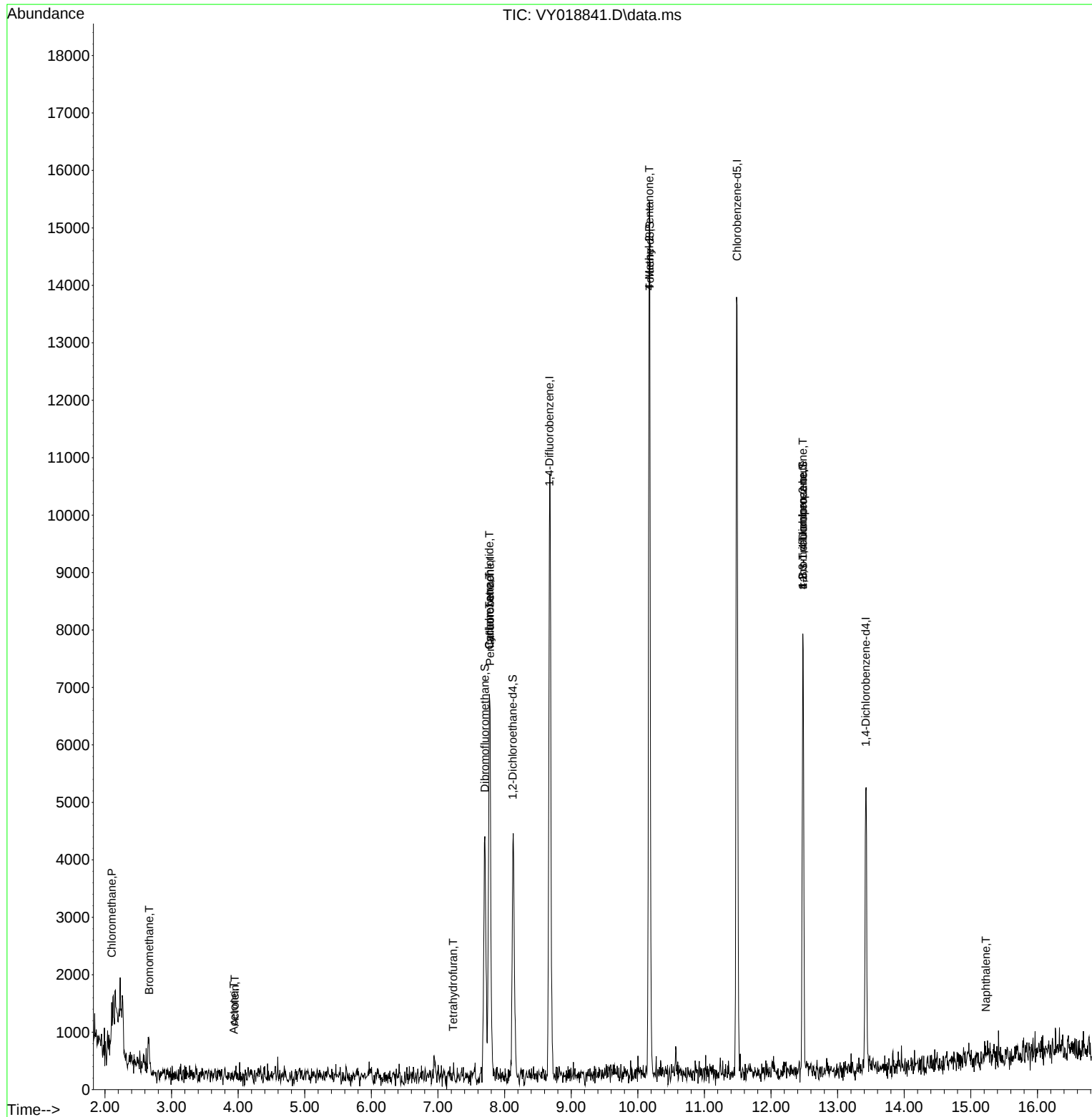
Internal Standards						
1) Pentafluorobenzene	7.783	168	6038	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.673	114	10188	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	8049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	1736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.124	65	3249	54.683	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.360%	
35) Dibromofluoromethane	7.704	113	3029	47.469	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 94.940%	
50) Toluene-d8	10.179	98	10660	44.095	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 88.200%	
62) 4-Bromofluorobenzene	12.477	95	2535	30.706	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 61.420%	
Target Compounds						
						Qvalue
3) Chloromethane	2.101	50	84	1.093	ug/l #	78
5) Bromomethane	2.662	94	402	6.498	ug/l #	34
13) Acrolein	3.948	56	37	7.673	ug/l #	15
16) Acetone	3.936	43	72	6.573	ug/l #	36
20) Methylene Chloride	4.692	84	74	Below Cal	#	52
29) Tetrahydrofuran	7.228	42	31	3.293	ug/l #	26
31) Cyclohexane	7.771	56	107	1.172	ug/l #	33
38) Carbon Tetrachloride	7.771	117	617	5.817	ug/l #	13
51) 4-Methyl-2-Pentanone	10.173	43	45	1.210	ug/l #	31
76) 1,2,3-Trichloropropane	12.477	75	1471	108.188	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	1471	242.131	ug/l #	16
95) Naphthalene	15.227	128	416	7.720	ug/l #	69

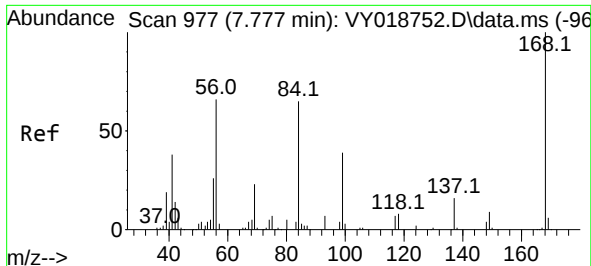
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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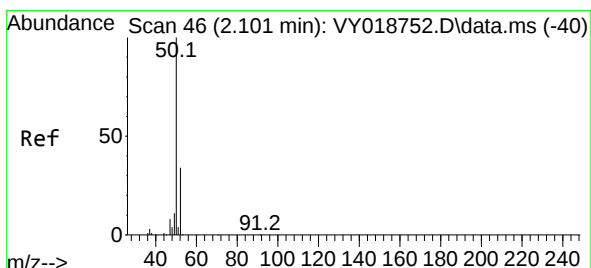
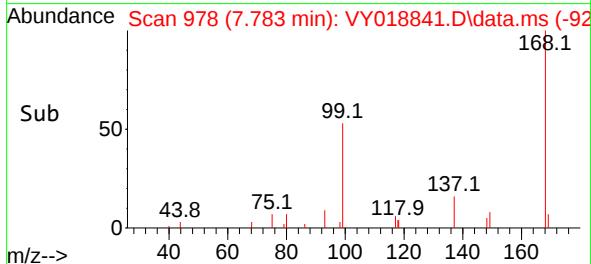
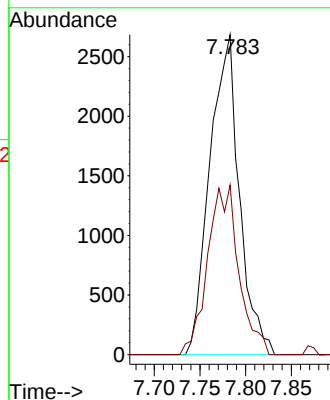
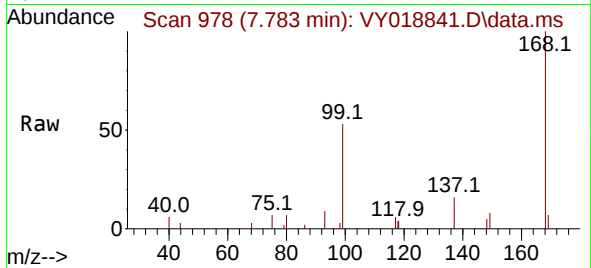




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY018841.D
Acq: 16 Jul 2024 19:34

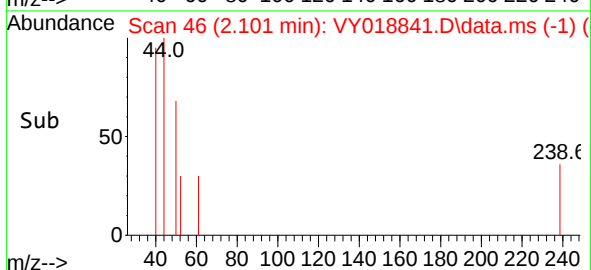
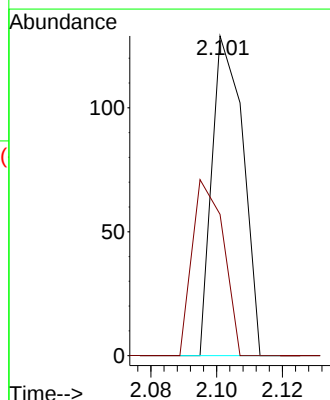
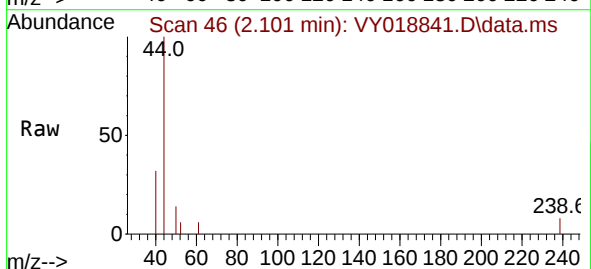
Instrument :
MSVOA_Y
ClientSampleId :

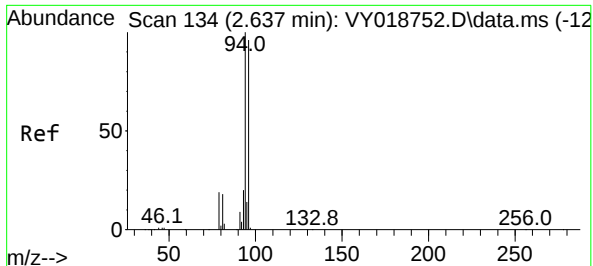
Tgt Ion:168 Resp: 6038
Ion Ratio Lower Upper
168 100
99 53.1 39.1 58.7



#3
Chloromethane
Concen: 1.093 ug/l
RT: 2.101 min Scan# 46
Delta R.T. 0.000 min
Lab File: VY018841.D
Acq: 16 Jul 2024 19:34

Tgt Ion: 50 Resp: 84
Ion Ratio Lower Upper
50 100
52 44.2 25.6 38.4#

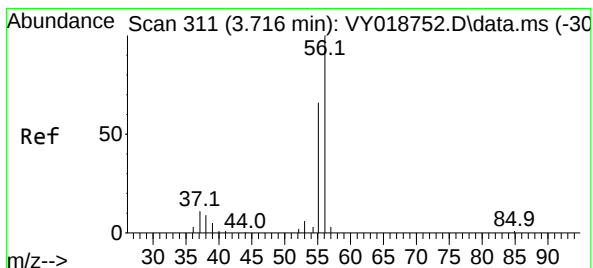
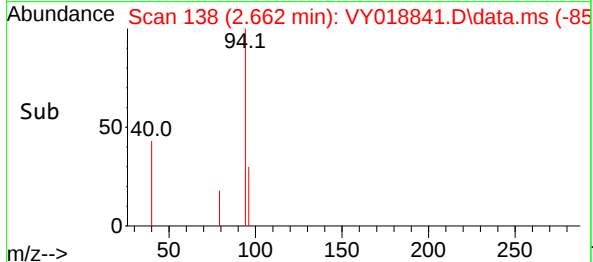
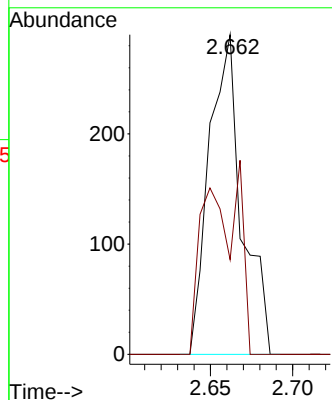
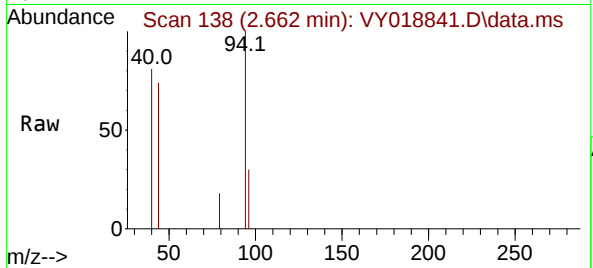




#5
Bromomethane
Concen: 6.498 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY018841.D
Acq: 16 Jul 2024 19:34

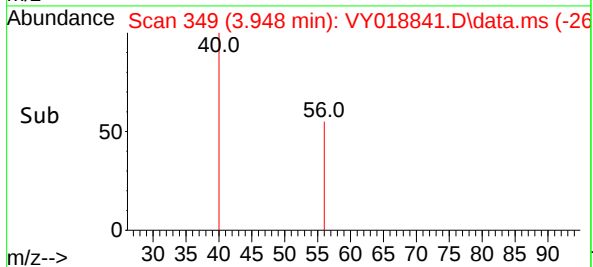
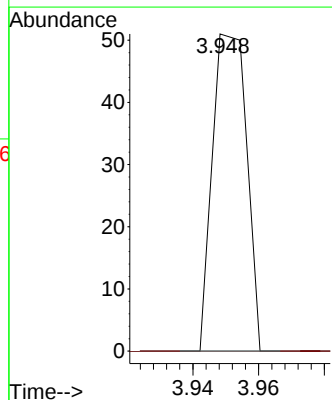
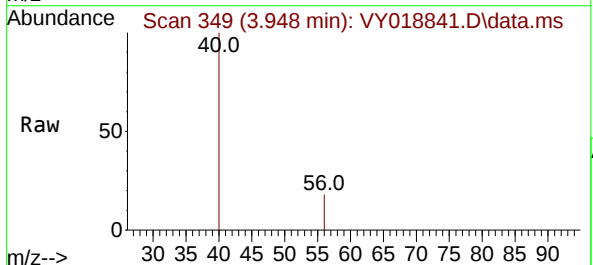
Instrument :
MSVOA_Y
ClientSampleId :

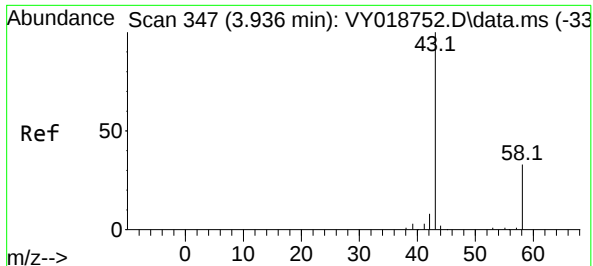
Tgt Ion: 94 Resp: 402
Ion Ratio Lower Upper
94 100
96 29.7 74.1 111.1#



#13
Acrolein
Concen: 7.673 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.232 min
Lab File: VY018841.D
Acq: 16 Jul 2024 19:34

Tgt Ion: 56 Resp: 37
Ion Ratio Lower Upper
56 100
55 0.0 55.7 83.5#





#16

Acetone

Concen: 6.573 ug/l

RT: 3.936 min Scan# 34

Delta R.T. 0.000 min

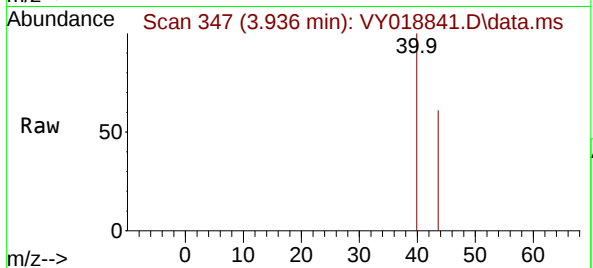
Lab File: VY018841.D

Acq: 16 Jul 2024 19:34

Instrument :

MSVOA_Y

ClientSampleId :

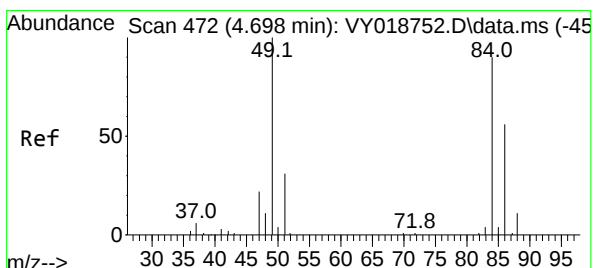
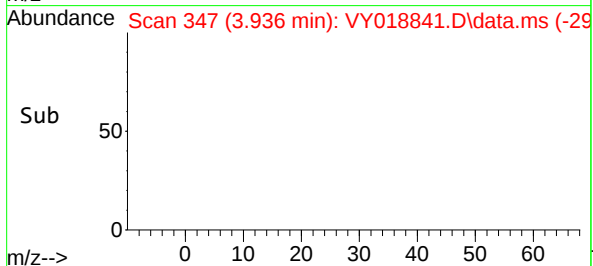
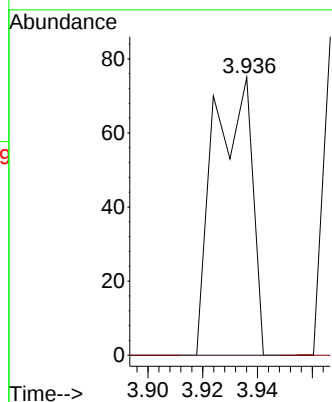


Tgt Ion: 43 Resp: 72

Ion Ratio Lower Upper

43 100

58 0.0 31.7 47.5#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.692 min Scan# 471

Delta R.T. -0.006 min

Lab File: VY018841.D

Acq: 16 Jul 2024 19:34

Tgt Ion: 84 Resp: 74

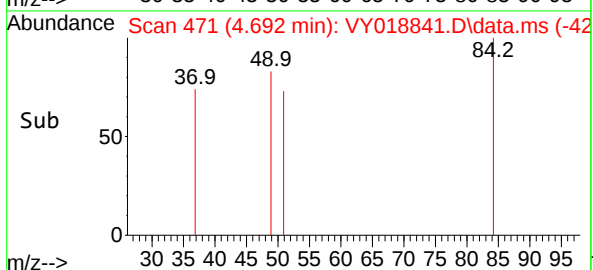
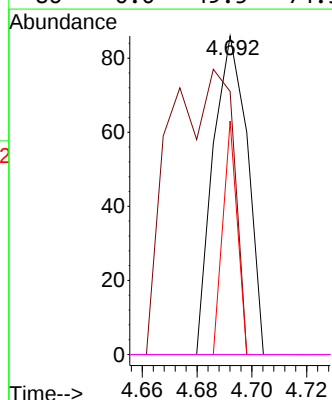
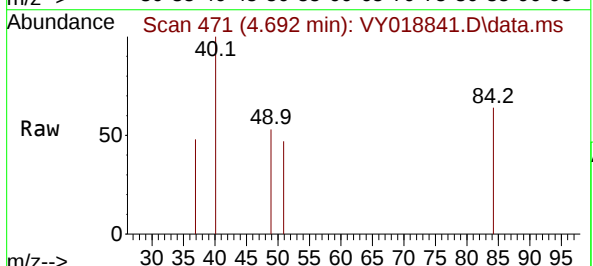
Ion Ratio Lower Upper

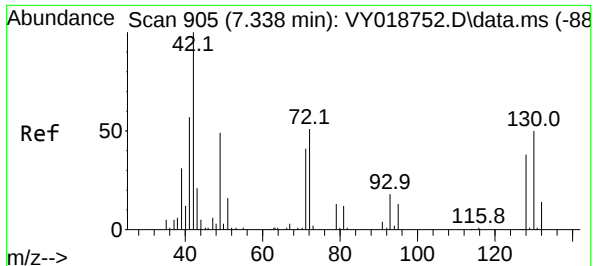
84 100

49 82.6 84.4 126.6#

51 73.3 26.0 39.0#

86 0.0 49.5 74.3#





#29

Tetrahydrofuran

Concen: 3.293 ug/l

RT: 7.228 min Scan# 81

Delta R.T. -0.110 min

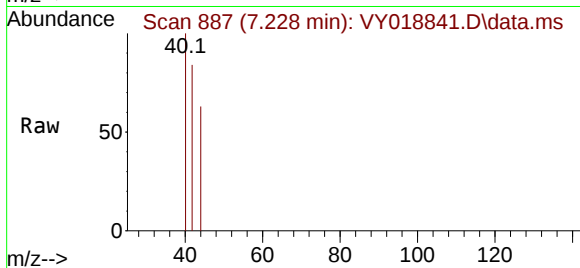
Lab File: VY018841.D

Acq: 16 Jul 2024 19:34

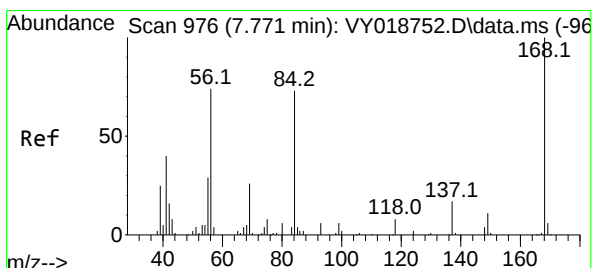
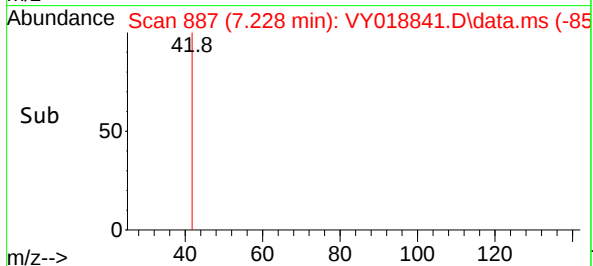
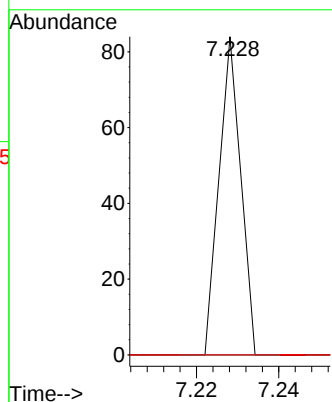
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	31
Ion	Ratio	Lower	Upper
42	100		
72	0.0	43.0	64.4#
71	0.0	40.8	61.2#



#31

Cyclohexane

Concen: 1.172 ug/l

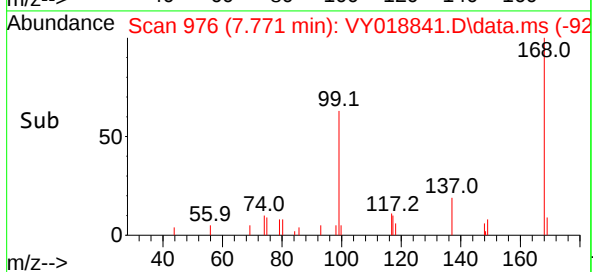
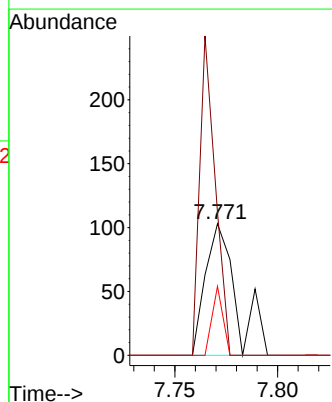
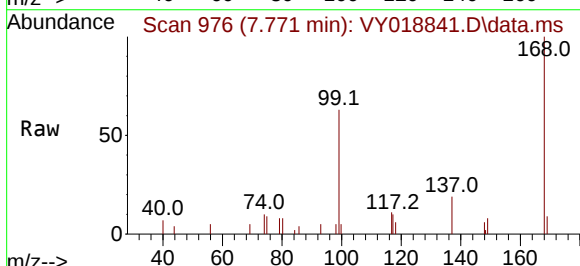
RT: 7.771 min Scan# 976

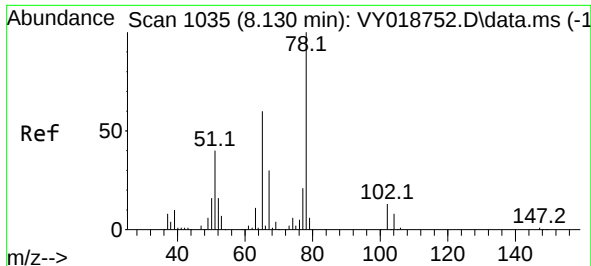
Delta R.T. 0.000 min

Lab File: VY018841.D

Acq: 16 Jul 2024 19:34

Tgt Ion:	56	Resp:	107
Ion	Ratio	Lower	Upper
56	100		
69	108.7	28.7	43.1#
84	52.4	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 54.683 ug/l

RT: 8.124 min Scan# 1034

Delta R.T. -0.006 min

Lab File: VY018841.D

Acq: 16 Jul 2024 19:34

Instrument :

MSVOA_Y

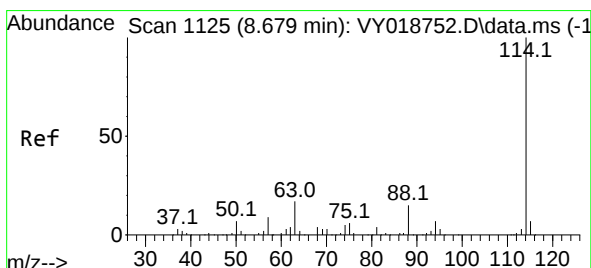
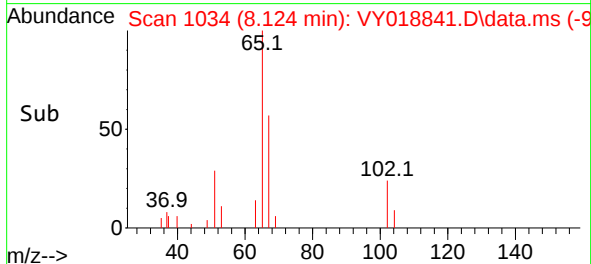
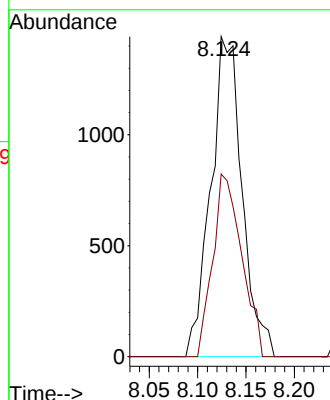
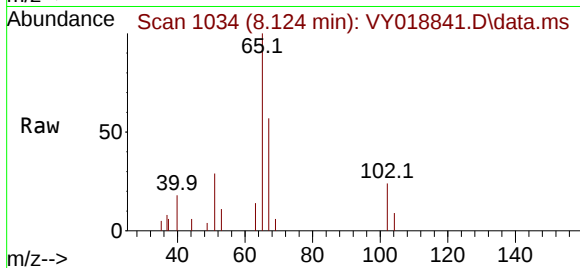
ClientSampleId :

Tgt Ion: 65 Resp: 3249

Ion Ratio Lower Upper

65 100

67 52.6 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.673 min Scan# 1124

Delta R.T. -0.006 min

Lab File: VY018841.D

Acq: 16 Jul 2024 19:34

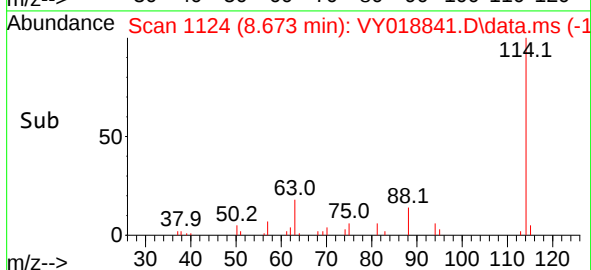
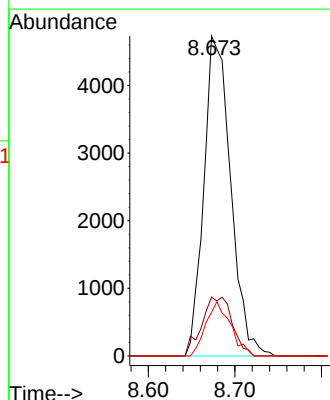
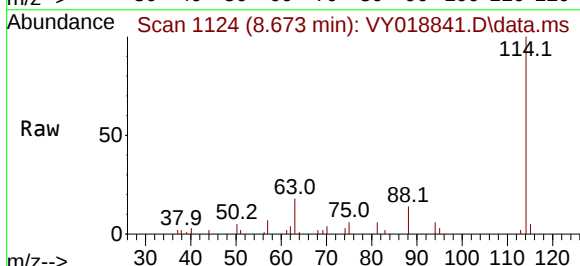
Tgt Ion: 114 Resp: 10188

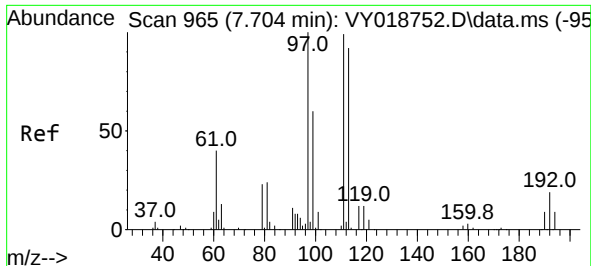
Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.0

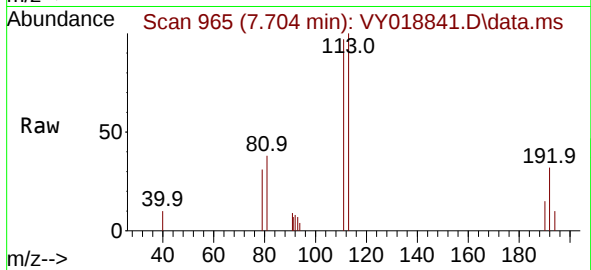
88 13.6 0.0 27.2



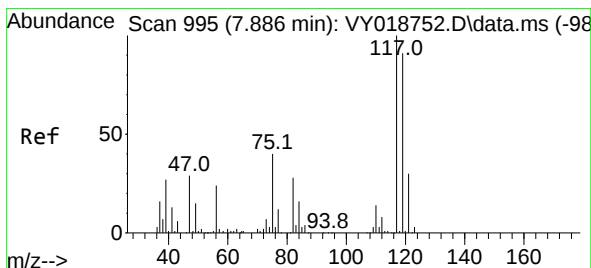
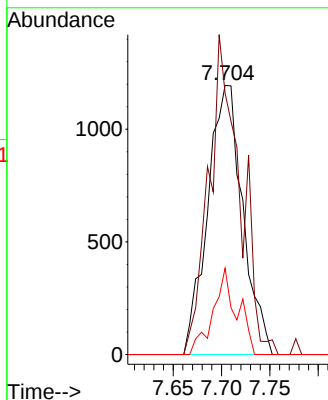
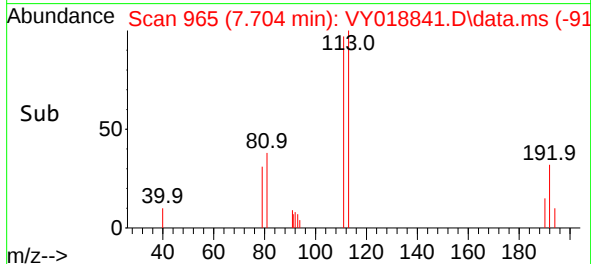


#35
Dibromofluoromethane
Concen: 47.469 ug/l
RT: 7.704 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY018841.D
Acq: 16 Jul 2024 19:34

Instrument :
MSVOA_Y
ClientSampleId :

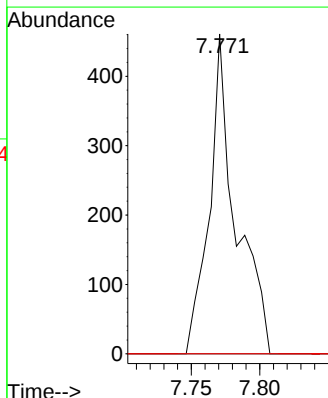
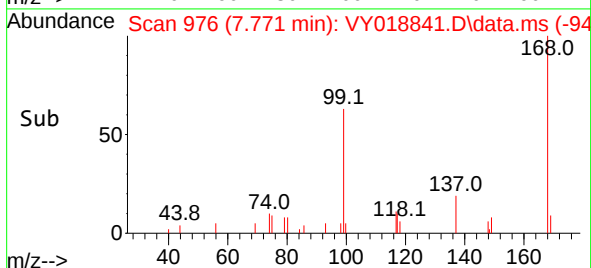
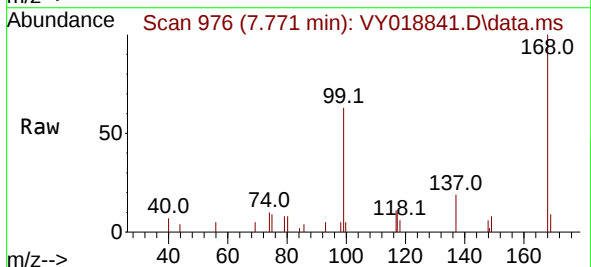


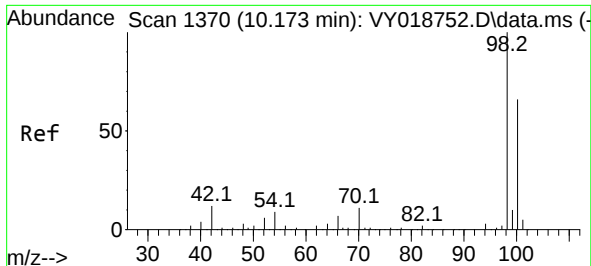
Tgt Ion:113 Resp: 3029
Ion Ratio Lower Upper
113 100
111 104.4 82.2 123.4
192 21.8 15.9 23.9



#38
Carbon Tetrachloride
Concen: 5.817 ug/l
RT: 7.771 min Scan# 976
Delta R.T. -0.116 min
Lab File: VY018841.D
Acq: 16 Jul 2024 19:34

Tgt Ion:117 Resp: 617
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.0 36.0#

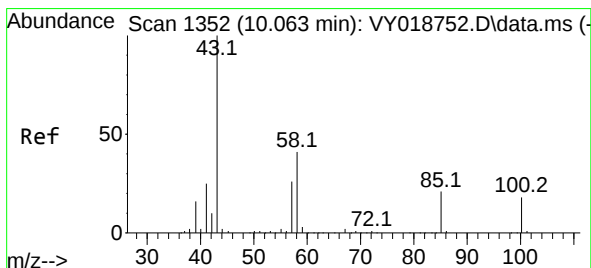
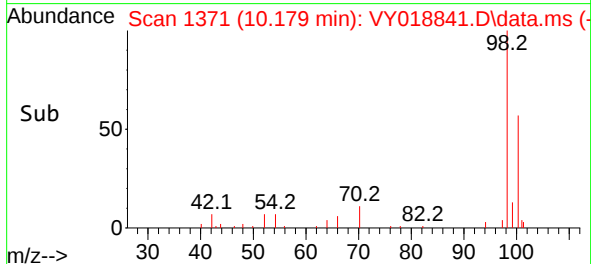
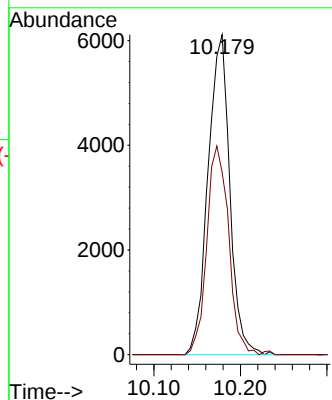
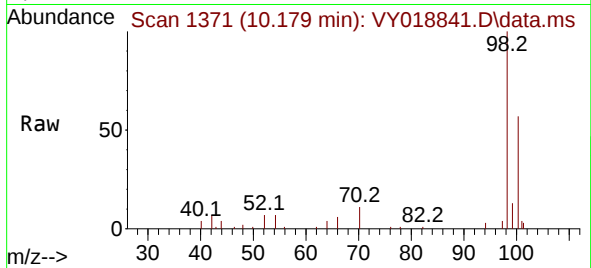




#50
Toluene-d8
Concen: 44.095 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY018841.D
Acq: 16 Jul 2024 19:34

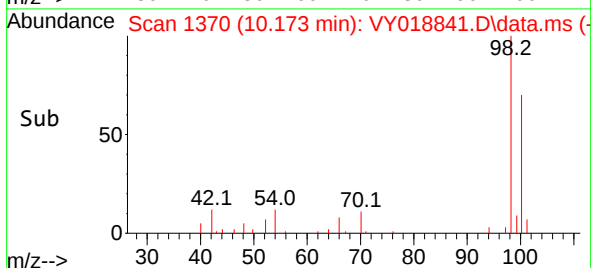
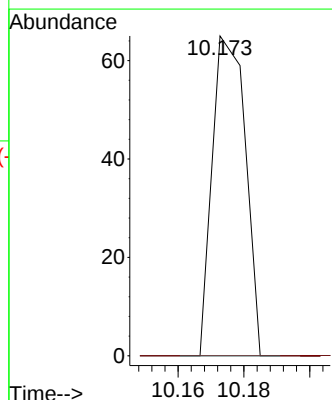
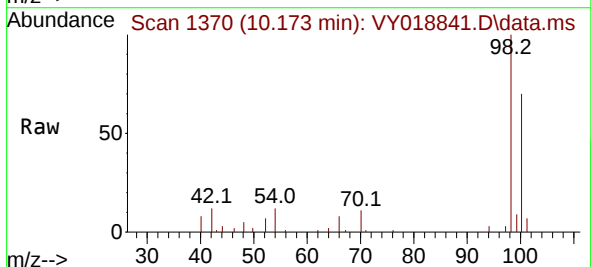
Instrument :
MSVOA_Y
ClientSampleId :

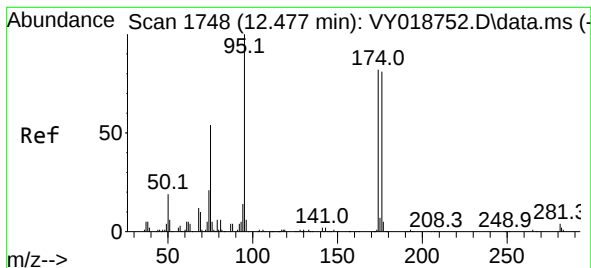
Tgt Ion: 98 Resp: 10660
Ion Ratio Lower Upper
98 100
100 65.2 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 1.210 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.110 min
Lab File: VY018841.D
Acq: 16 Jul 2024 19:34

Tgt Ion: 43 Resp: 45
Ion Ratio Lower Upper
43 100
58 0.0 35.7 53.5#

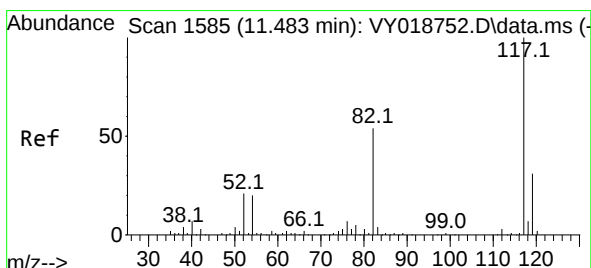
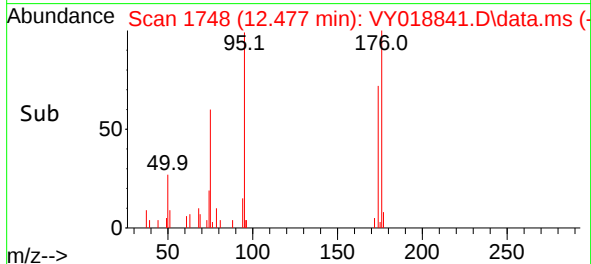
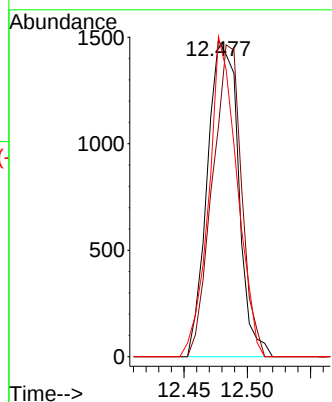
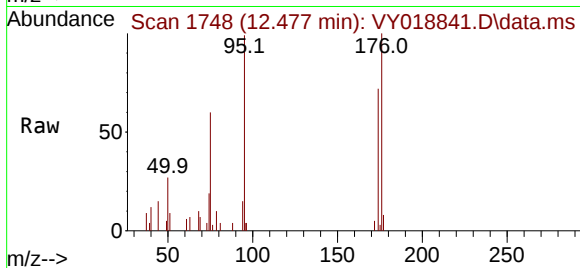




#62
4-Bromofluorobenzene
Concen: 30.706 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY018841.D
Acq: 16 Jul 2024 19:34

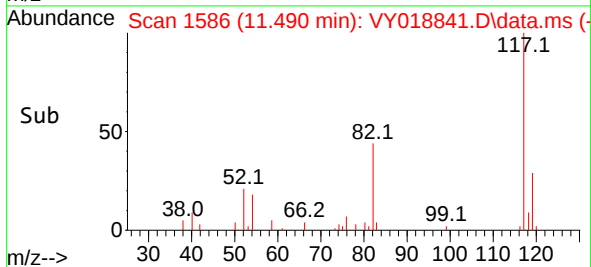
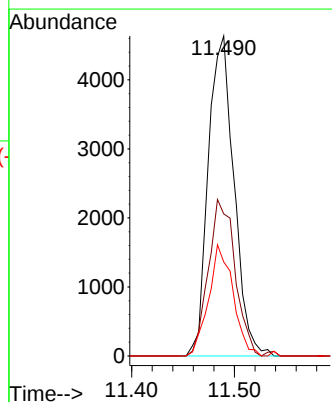
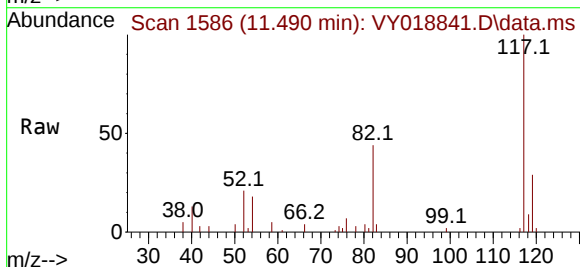
Instrument :
MSVOA_Y
ClientSampleId :

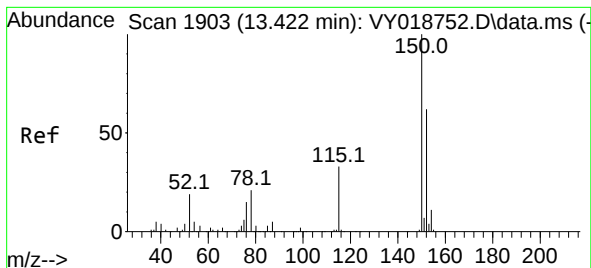
Tgt Ion:	95	Resp:	2535
Ion	Ratio	Lower	Upper
95	100		
174	92.5	0.0	175.6
176	92.1	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.006 min
Lab File: VY018841.D
Acq: 16 Jul 2024 19:34

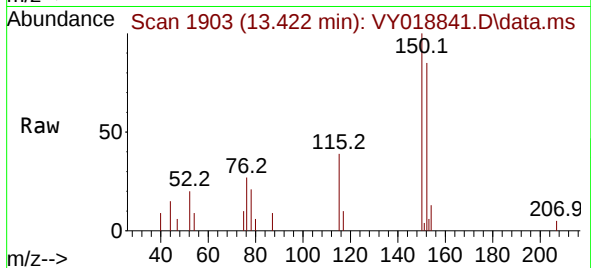
Tgt Ion:	117	Resp:	8049
Ion	Ratio	Lower	Upper
117	100		
82	44.4	42.4	63.6
119	29.4	25.9	38.9



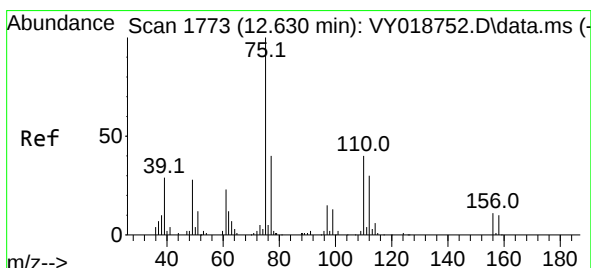
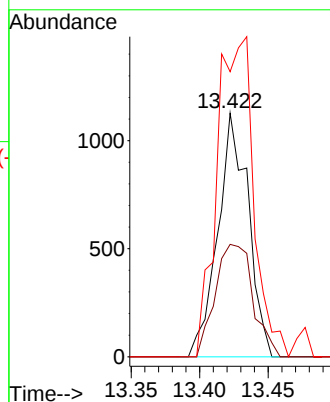
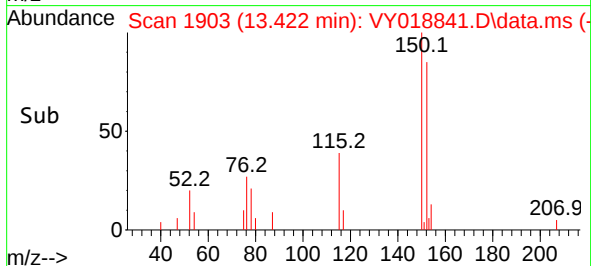


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY018841.D
 Acq: 16 Jul 2024 19:34

Instrument :
 MSVOA_Y
 ClientSampleId :

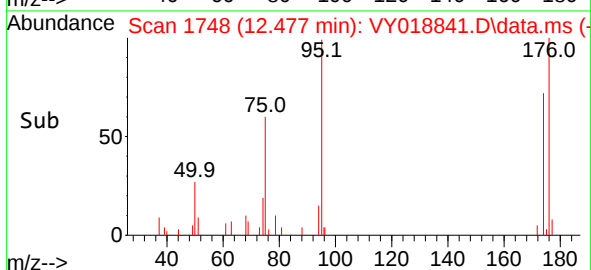
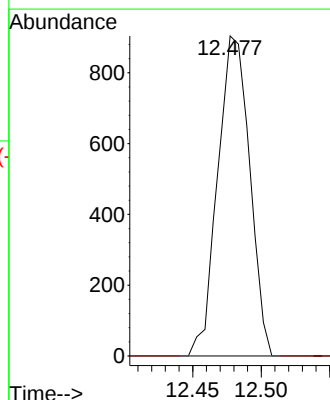
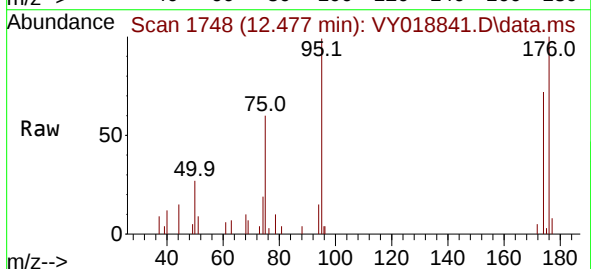


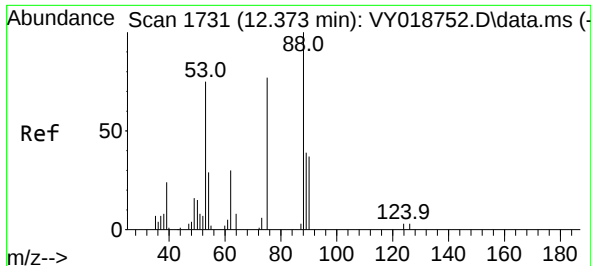
Tgt Ion:152 Resp: 1736
 Ion Ratio Lower Upper
 152 100
 115 57.4 28.2 84.7
 150 158.9 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 108.188 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY018841.D
 Acq: 16 Jul 2024 19:34

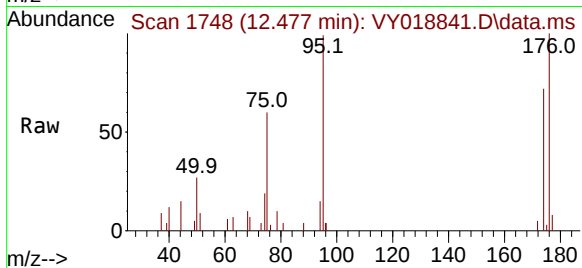
Tgt Ion: 75 Resp: 1471
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



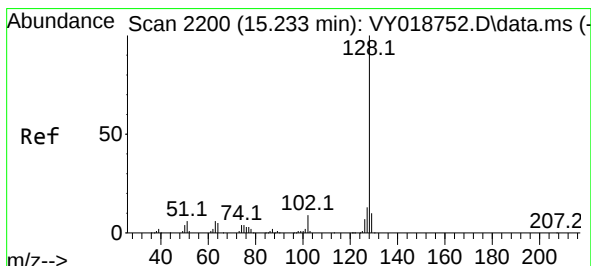
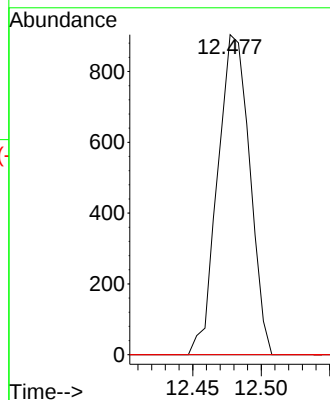
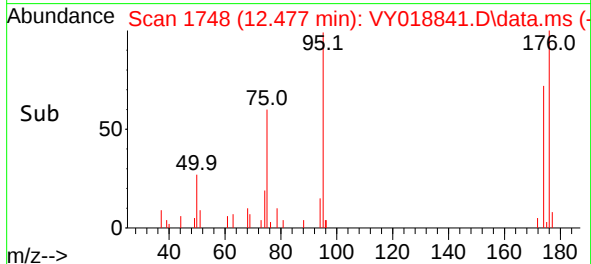


#81
trans-1,4-Dichloro-2-butene
Concen: 242.131 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY018841.D
Acq: 16 Jul 2024 19:34

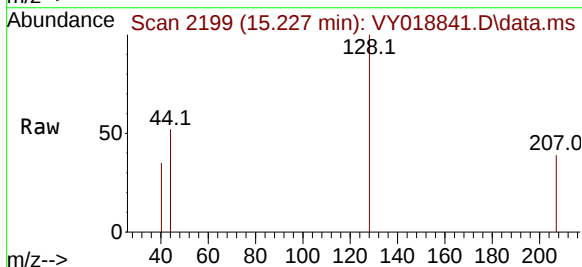
Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 1471
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 7.720 ug/l
RT: 15.227 min Scan# 2199
Delta R.T. -0.006 min
Lab File: VY018841.D
Acq: 16 Jul 2024 19:34



Tgt Ion: 128 Resp: 416
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 13.0#

