

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091024\
 Data File : VY019491.D
 Acq On : 10 Sep 2024 16:34
 Operator : SY/MD
 Sample : P3916-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 11 01:50:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 09 16:00:30 2024
 Response via : Initial Calibration

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

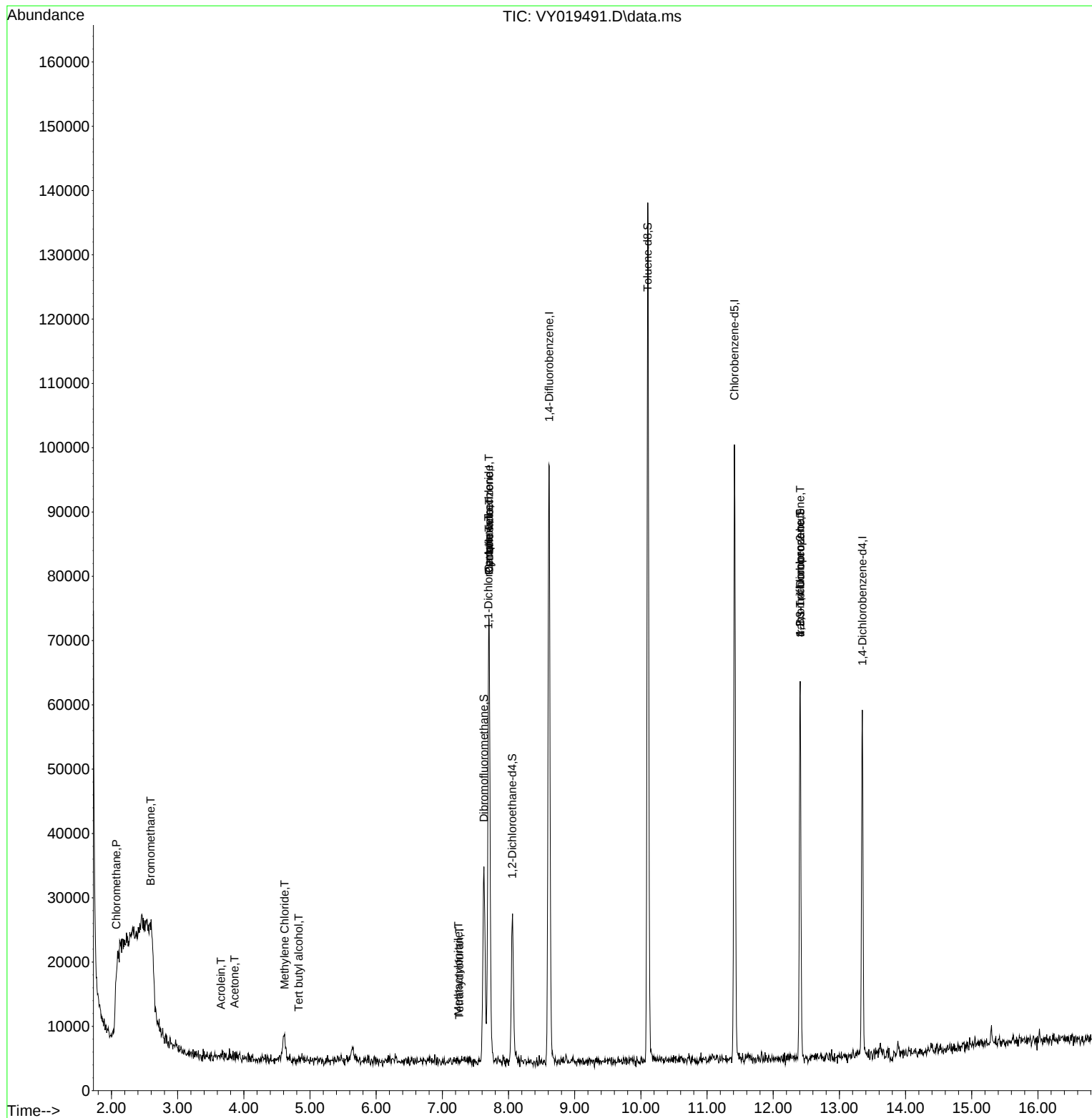
Internal Standards						
1) Pentafluorobenzene	7.707	168	51961	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	80965	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	49326	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	13467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	18003	37.417	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	74.840%
35) Dibromofluoromethane	7.628	113	21726	47.327	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.660%
50) Toluene-d8	10.103	98	86775	51.106	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.220%
62) 4-Bromofluorobenzene	12.408	95	19529	29.912	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	59.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.873	85	39	Below Cal	#	43
3) Chloromethane	2.074	50	561	1.305	ug/l #	77
5) Bromomethane	2.592	94	355	1.243	ug/l #	74
11) Tert butyl alcohol	4.830	59	50	1.287	ug/l #	1
13) Acrolein	3.653	56	358	5.102	ug/l #	53
16) Acetone	3.860	43	564	4.920	ug/l #	36
20) Methylene Chloride	4.616	84	3208	6.137	ug/l #	91
29) Tetrahydrofuran	7.256	42	112	1.130	ug/l #	1
31) Cyclohexane	7.707	56	1915	2.224	ug/l #	39
36) 1,1-Dichloropropene	7.695	75	4786	7.662	ug/l #	52
38) Carbon Tetrachloride	7.701	117	5821	8.264	ug/l #	17
41) Methacrylonitrile	7.244	41	215	1.152	ug/l #	48
76) 1,2,3-Trichloropropane	12.408	75	10399	82.385	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	10399	158.155	ug/l #	16

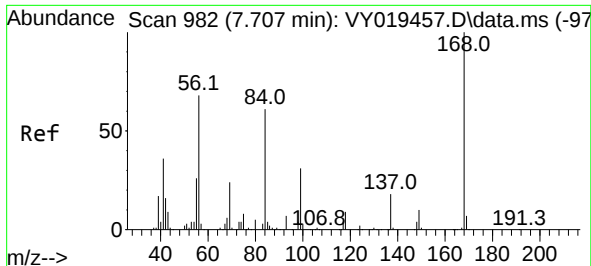
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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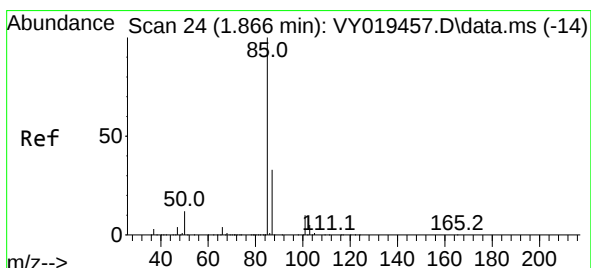
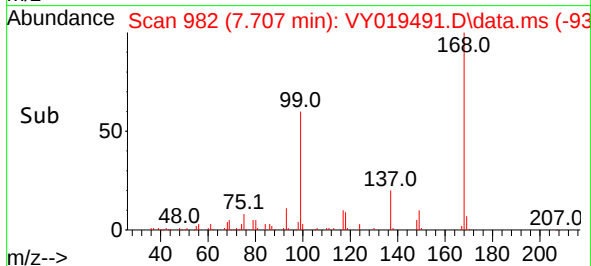
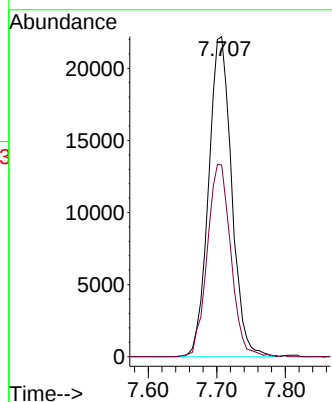
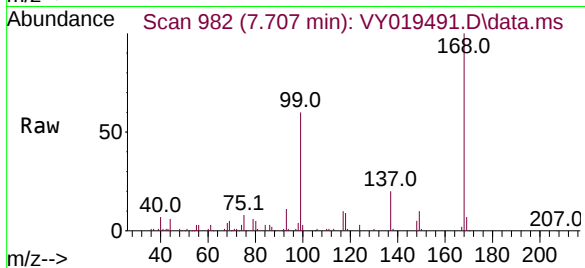




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019491.D
Acq: 10 Sep 2024 16:34

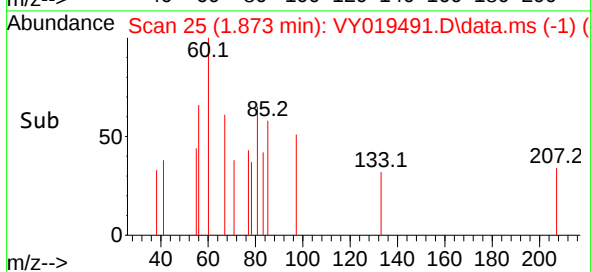
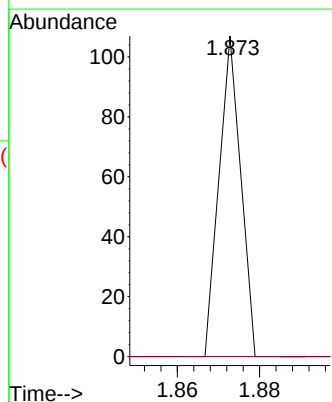
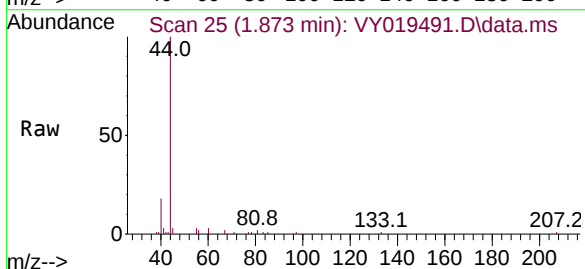
Instrument :
MSVOA_Y
ClientSampleId :

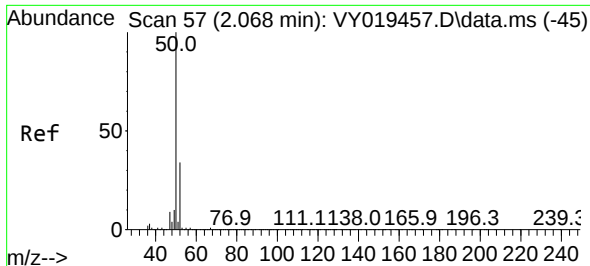
Tgt Ion:168 Resp: 51961
Ion Ratio Lower Upper
168 100
99 59.6 39.1 58.7#



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.873 min Scan# 25
Delta R.T. 0.007 min
Lab File: VY019491.D
Acq: 10 Sep 2024 16:34

Tgt Ion: 85 Resp: 39
Ion Ratio Lower Upper
85 100
87 0.0 16.0 48.0#

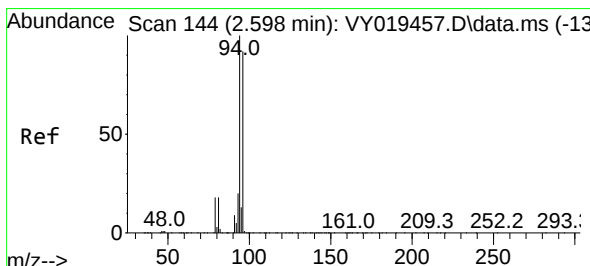
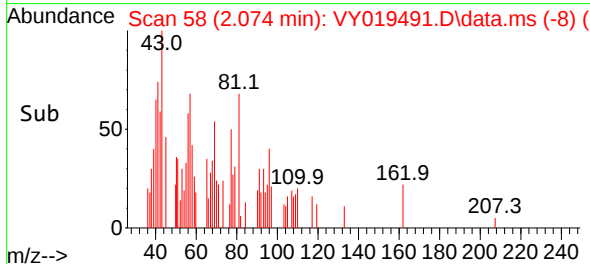
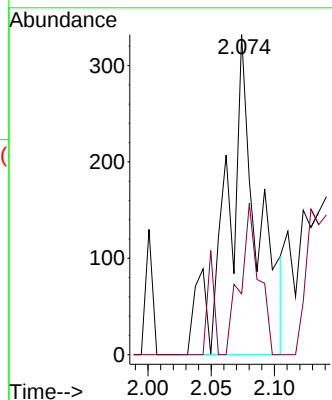
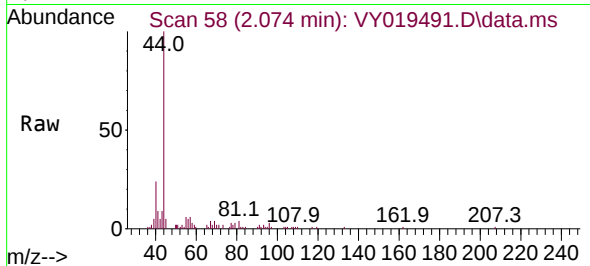




#3
Chloromethane
Concen: 1.305 ug/l
RT: 2.074 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY019491.D
Acq: 10 Sep 2024 16:34

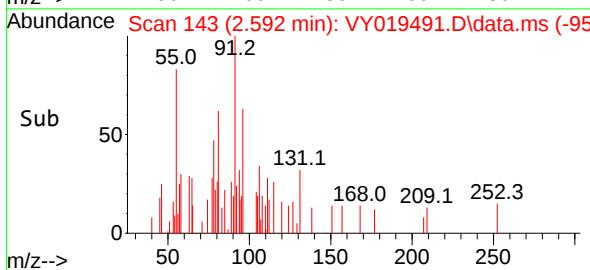
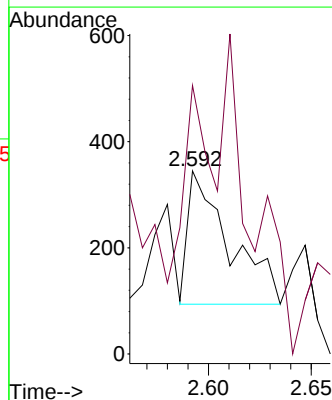
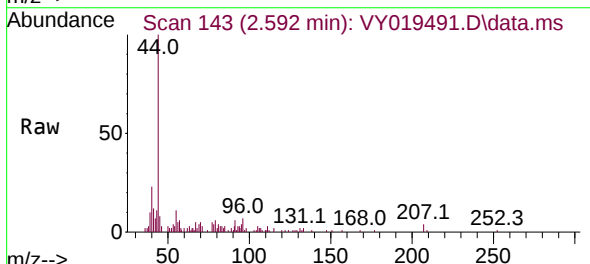
Instrument :
MSVOA_Y
ClientSampleId :

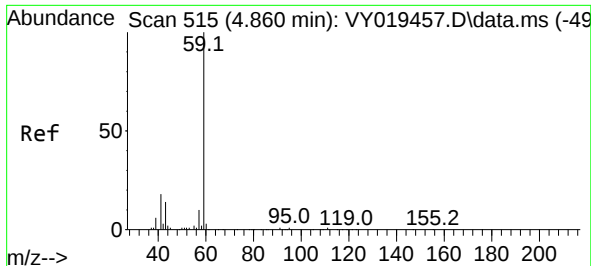
Tgt Ion: 50 Resp: 561
Ion Ratio Lower Upper
50 100
52 19.0 25.6 38.4#



#5
Bromomethane
Concen: 1.243 ug/l
RT: 2.592 min Scan# 143
Delta R.T. -0.006 min
Lab File: VY019491.D
Acq: 10 Sep 2024 16:34

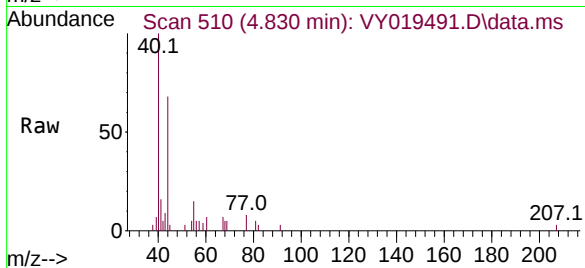
Tgt Ion: 94 Resp: 355
Ion Ratio Lower Upper
94 100
96 117.5 74.1 111.1#



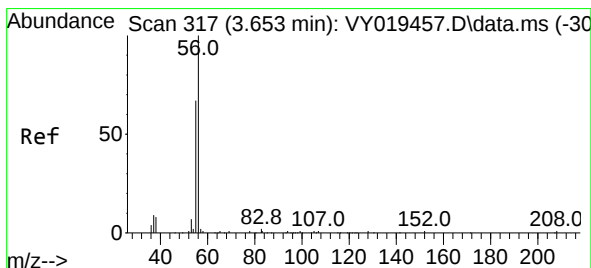
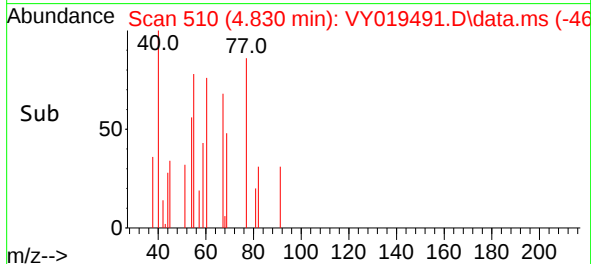
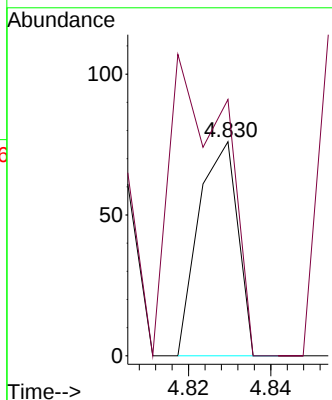


#11
Tert butyl alcohol
Concen: 1.287 ug/l
RT: 4.830 min Scan# 51
Delta R.T. -0.030 min
Lab File: VY019491.D
Acq: 10 Sep 2024 16:34

Instrument :
MSVOA_Y
ClientSampleId :

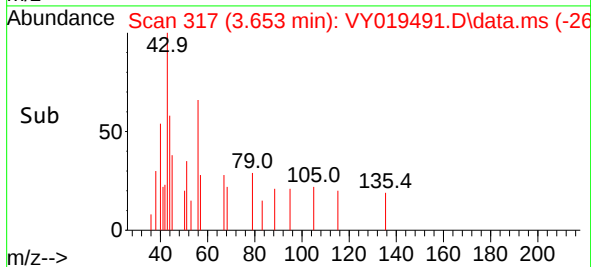
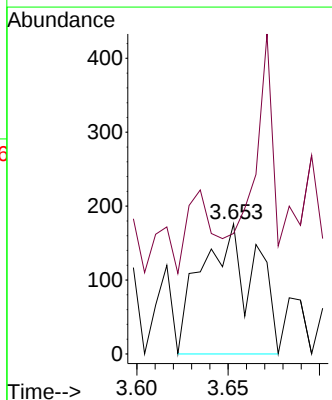
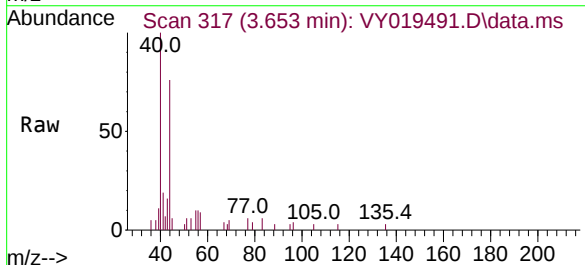


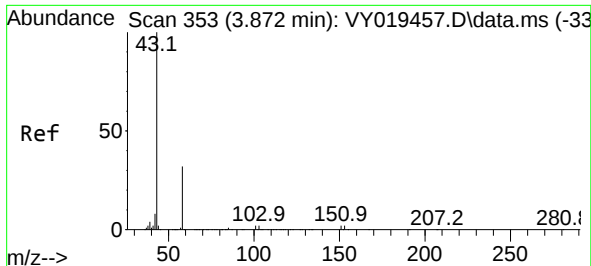
Tgt Ion: 59 Resp: 50
Ion Ratio Lower Upper
59 100
57 198.0 3.0 4.6#



#13
Acrolein
Concen: 5.102 ug/l
RT: 3.653 min Scan# 317
Delta R.T. -0.000 min
Lab File: VY019491.D
Acq: 10 Sep 2024 16:34

Tgt Ion: 56 Resp: 358
Ion Ratio Lower Upper
56 100
55 31.3 55.7 83.5#

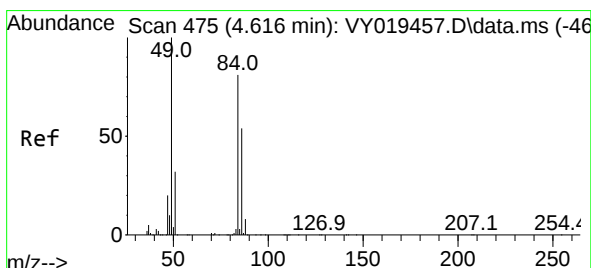
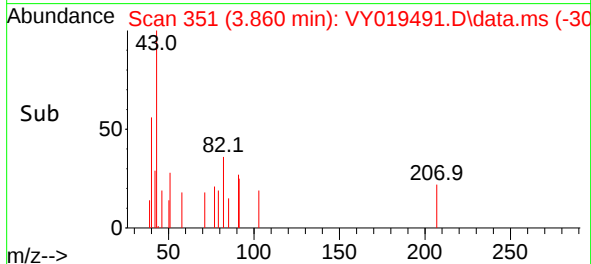
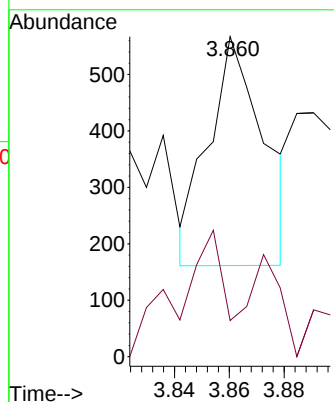
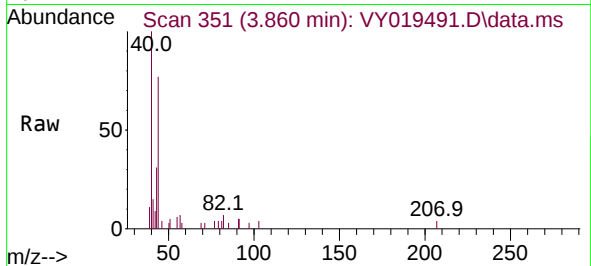




#16
Acetone
Concen: 4.920 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY019491.D
Acq: 10 Sep 2024 16:34

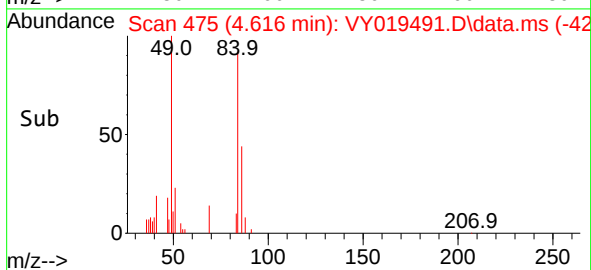
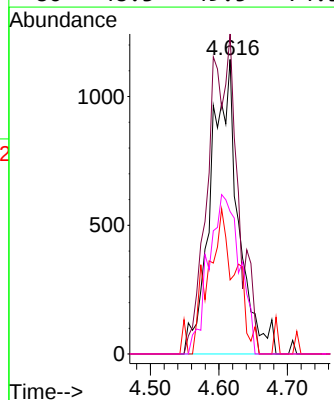
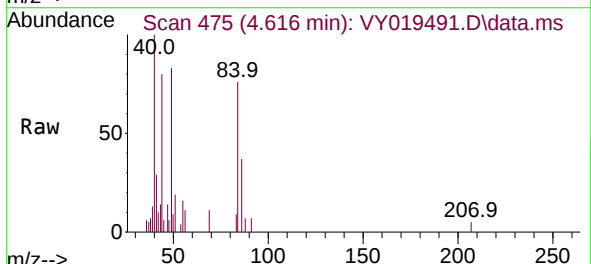
Instrument :
MSVOA_Y
ClientSampleId :

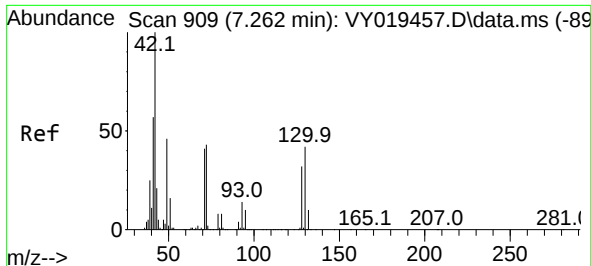
Tgt Ion: 43 Resp: 564
Ion Ratio Lower Upper
43 100
58 0.0 31.7 47.5#



#20
Methylene Chloride
Concen: 6.137 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY019491.D
Acq: 10 Sep 2024 16:34

Tgt Ion: 84 Resp: 3208
Ion Ratio Lower Upper
84 100
49 108.7 84.4 126.6
51 25.2 26.0 39.0#
86 48.3 49.5 74.3#

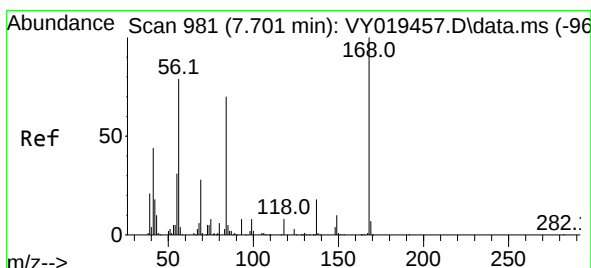
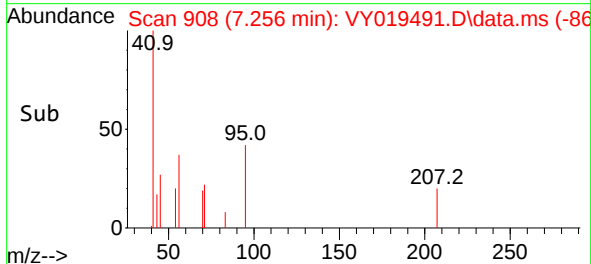
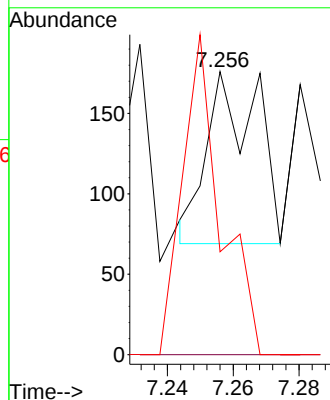
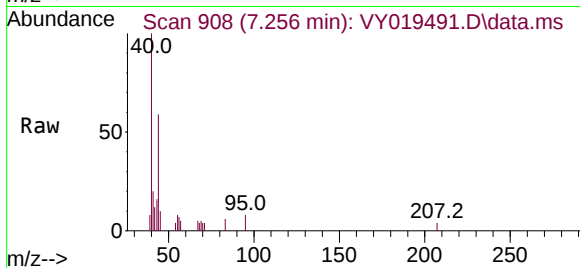




#29
Tetrahydrofuran
Concen: 1.130 ug/l
RT: 7.256 min Scan# 909
Delta R.T. -0.006 min
Lab File: VY019491.D
Acq: 10 Sep 2024 16:34

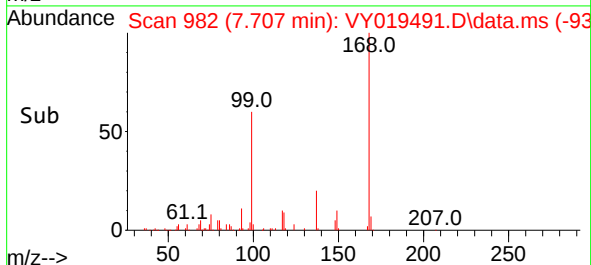
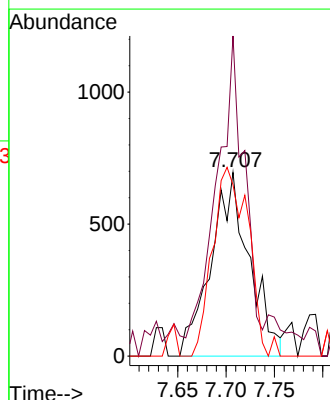
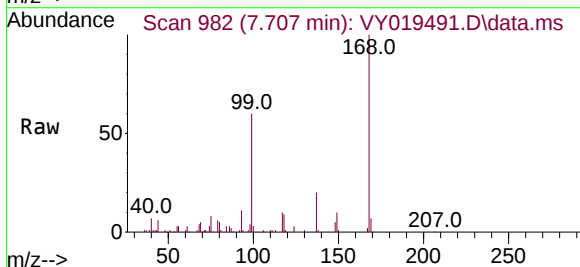
Instrument :
MSVOA_Y
ClientSampleId :

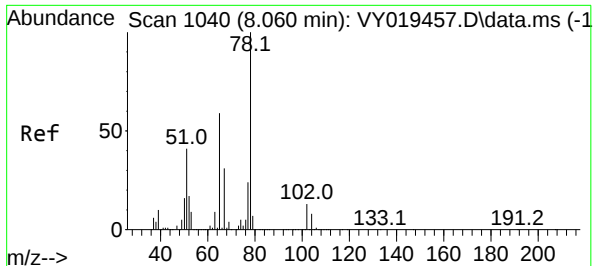
Tgt Ion: 42 Resp: 112
Ion Ratio Lower Upper
42 100
72 0.0 43.0 64.4#
71 142.0 40.8 61.2#



#31
Cyclohexane
Concen: 2.224 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY019491.D
Acq: 10 Sep 2024 16:34

Tgt Ion: 56 Resp: 1915
Ion Ratio Lower Upper
56 100
69 163.2 28.7 43.1#
84 93.2 77.7 116.5





#33

1,2-Dichloroethane-d4

Concen: 37.417 ug/l

RT: 8.055 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019491.D

Acq: 10 Sep 2024 16:34

Instrument :

MSVOA_Y

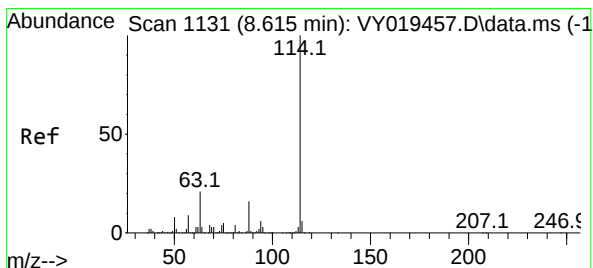
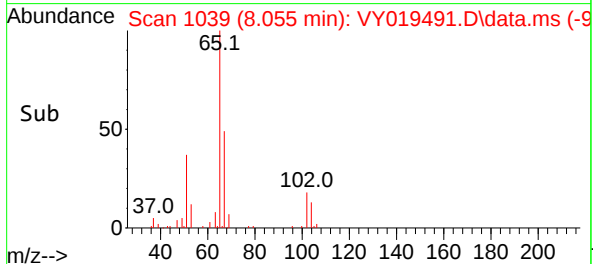
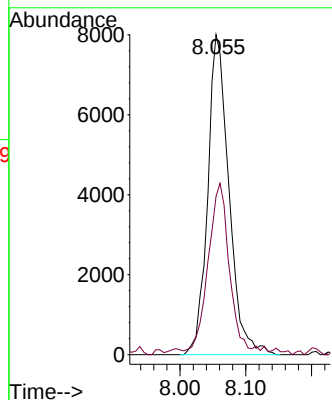
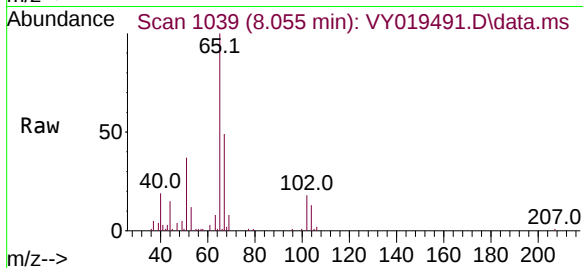
ClientSampleId :

Tgt Ion: 65 Resp: 18003

Ion Ratio Lower Upper

65 100

67 50.4 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY019491.D

Acq: 10 Sep 2024 16:34

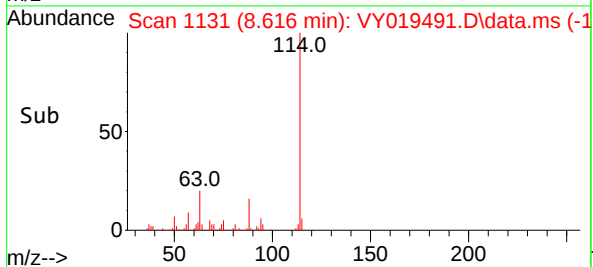
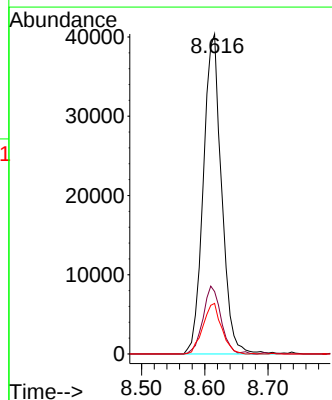
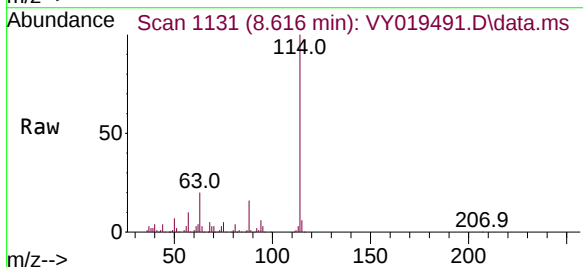
Tgt Ion:114 Resp: 80965

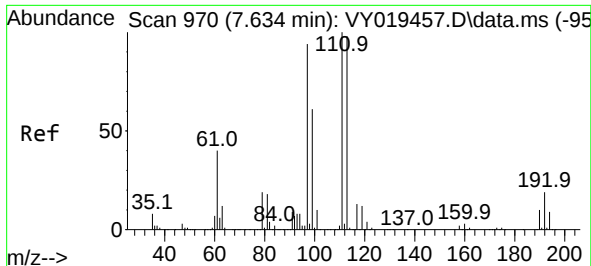
Ion Ratio Lower Upper

114 100

63 19.5 0.0 35.0

88 15.8 0.0 27.2

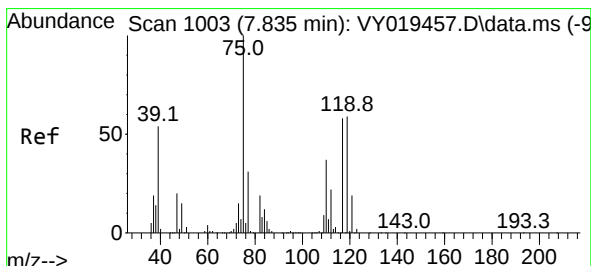
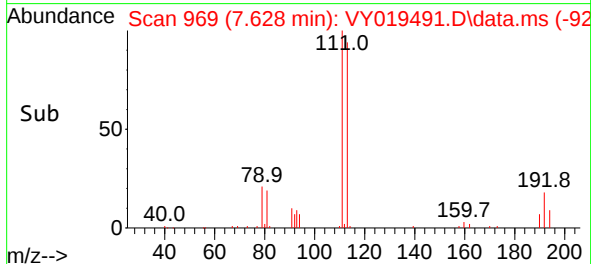
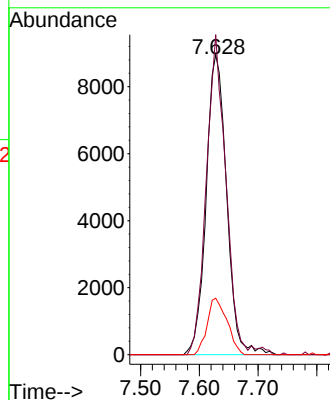
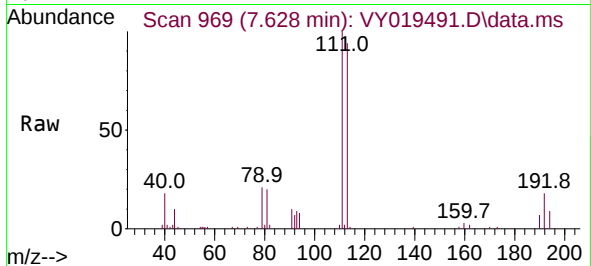




#35
Dibromofluoromethane
Concen: 47.327 ug/l
RT: 7.628 min Scan# 90
Delta R.T. -0.006 min
Lab File: VY019491.D
Acq: 10 Sep 2024 16:34

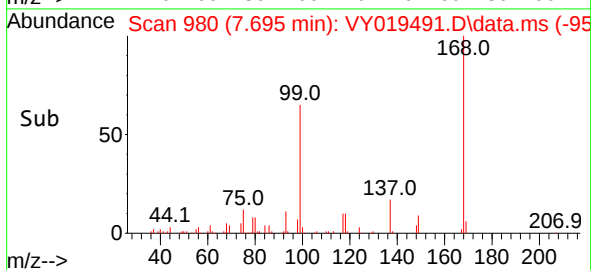
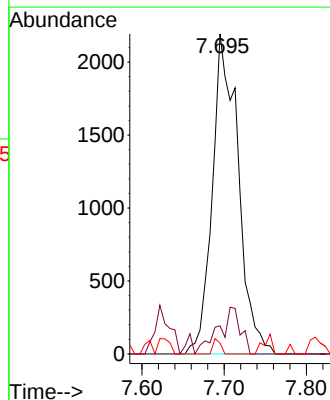
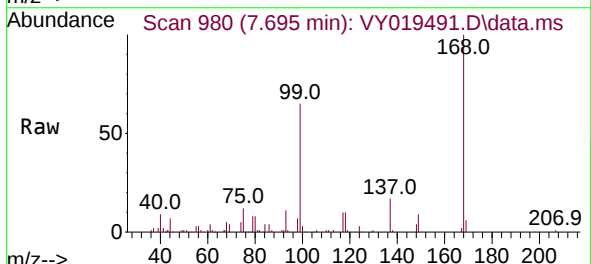
Instrument :
MSVOA_Y
ClientSampleId :

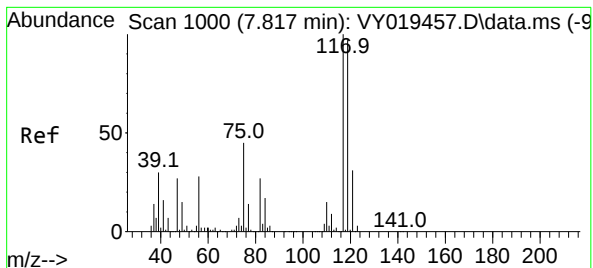
Tgt Ion:113 Resp: 21726
Ion Ratio Lower Upper
113 100
111 100.5 82.2 123.4
192 18.2 15.9 23.9



#36
1,1-Dichloropropene
Concen: 7.662 ug/l
RT: 7.695 min Scan# 980
Delta R.T. -0.140 min
Lab File: VY019491.D
Acq: 10 Sep 2024 16:34

Tgt Ion: 75 Resp: 4786
Ion Ratio Lower Upper
75 100
110 12.5 19.0 57.0#
77 1.4 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 8.264 ug/l

RT: 7.701 min Scan# 901

Delta R.T. -0.116 min

Lab File: VY019491.D

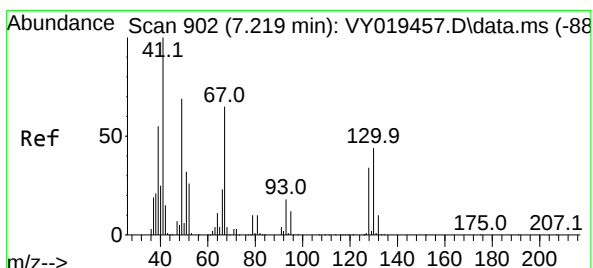
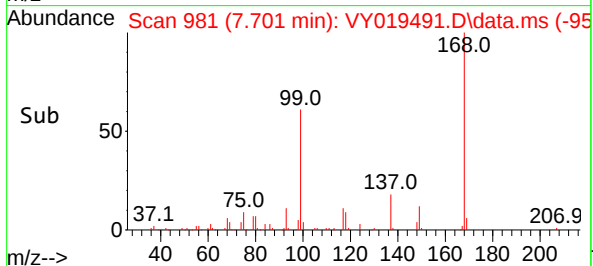
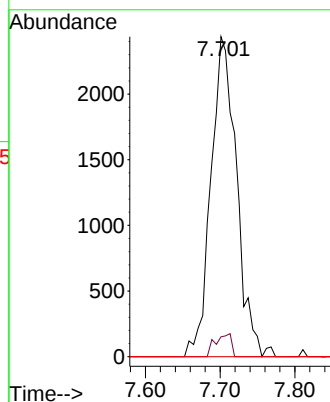
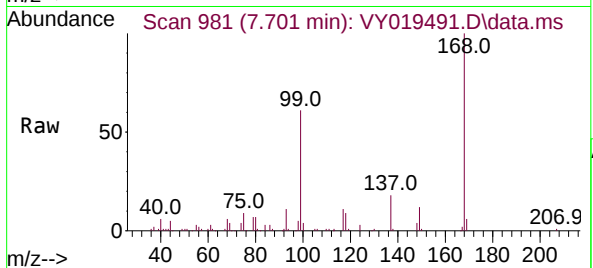
Acq: 10 Sep 2024 16:34

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	117	Resp:	5821
Ion	Ratio	Lower	Upper
117	100		
119	6.2	75.8	113.6#
121	0.0	24.0	36.0#



#41

Methacrylonitrile

Concen: 1.152 ug/l

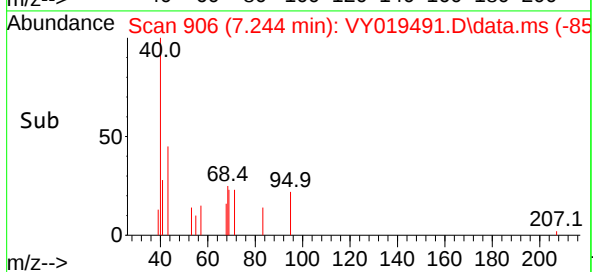
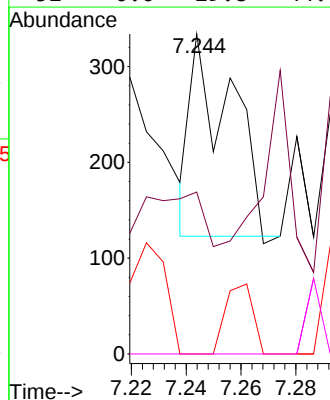
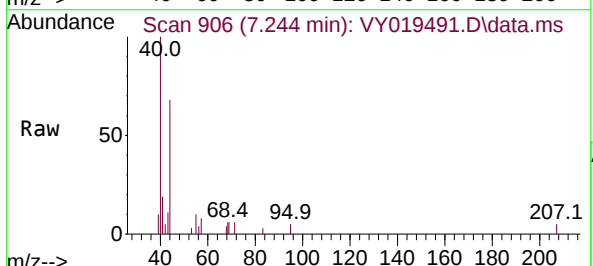
RT: 7.244 min Scan# 906

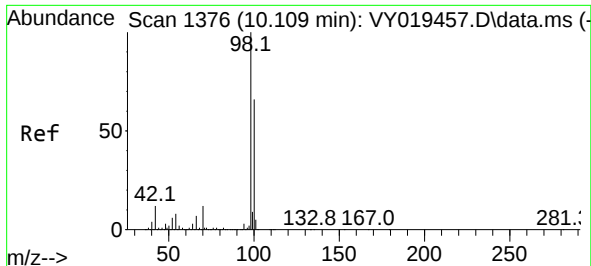
Delta R.T. 0.025 min

Lab File: VY019491.D

Acq: 10 Sep 2024 16:34

Tgt Ion:	41	Resp:	215
Ion	Ratio	Lower	Upper
41	100		
39	101.4	48.0	72.0#
67	48.8	75.1	112.7#
52	0.0	29.8	44.6#

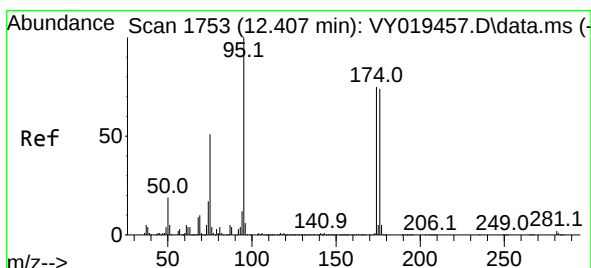
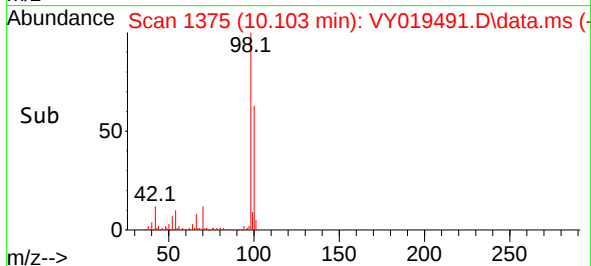
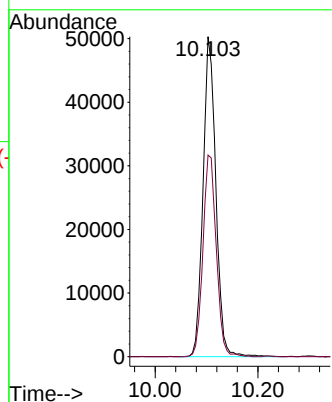
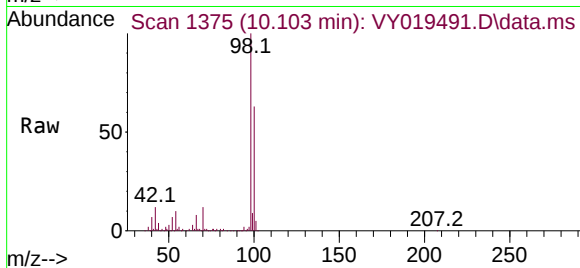




#50
Toluene-d8
Concen: 51.106 ug/l
RT: 10.103 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY019491.D
Acq: 10 Sep 2024 16:34

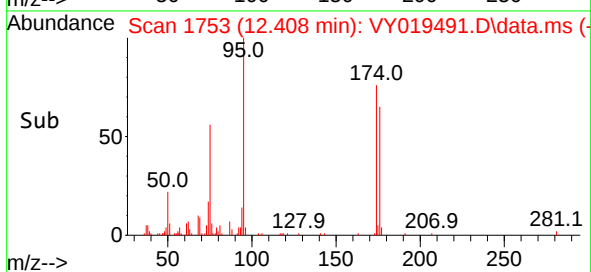
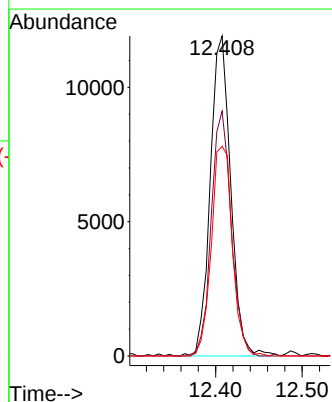
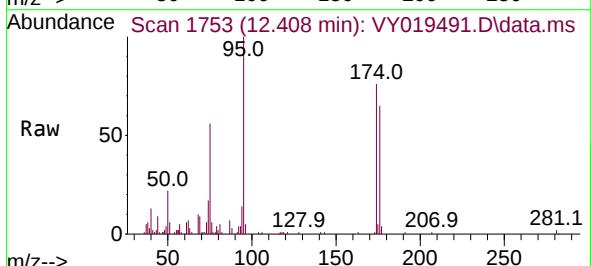
Instrument :
MSVOA_Y
ClientSampleId :

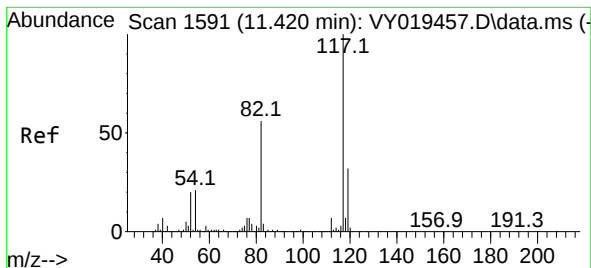
Tgt Ion: 98 Resp: 86775
Ion Ratio Lower Upper
98 100
100 65.6 52.0 78.0



#62
4-Bromofluorobenzene
Concen: 29.912 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019491.D
Acq: 10 Sep 2024 16:34

Tgt Ion: 95 Resp: 19529
Ion Ratio Lower Upper
95 100
174 74.7 0.0 175.6
176 67.7 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019491.D

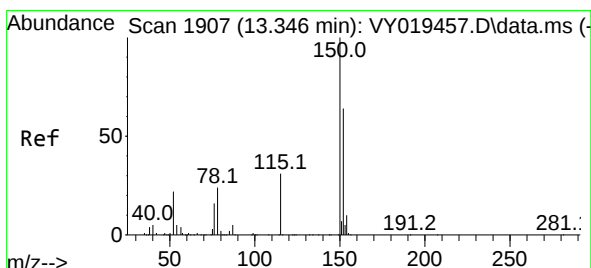
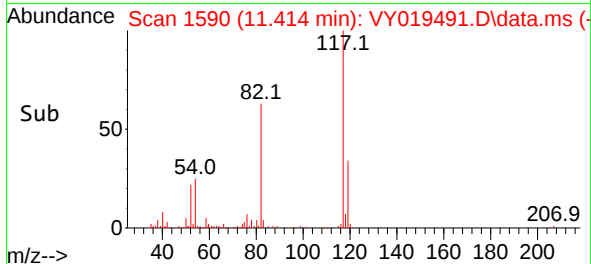
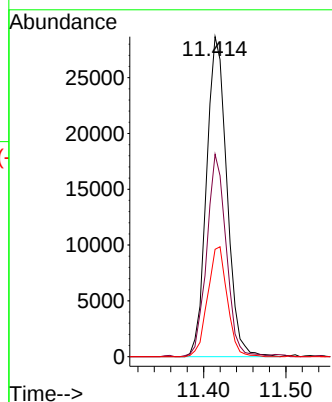
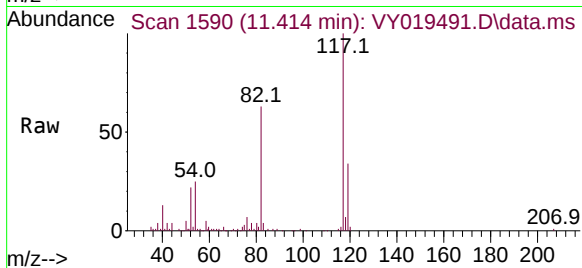
Acq: 10 Sep 2024 16:34

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	49326
Ion	Ratio	Lower Upper
117	100	
82	63.3	42.4 63.6
119	33.5	25.9 38.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

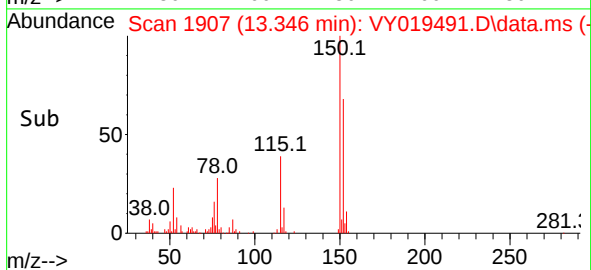
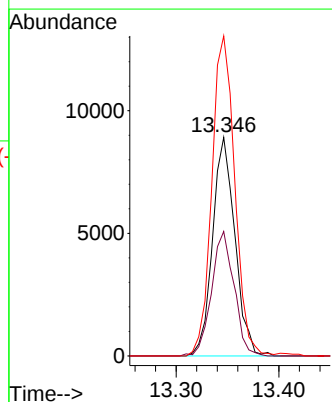
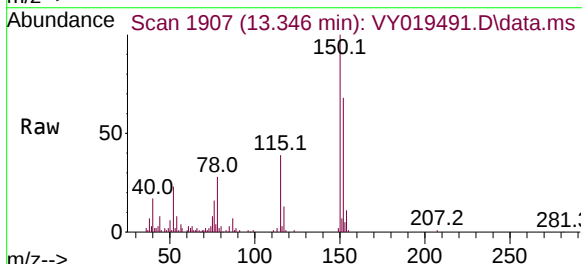
RT: 13.346 min Scan# 1907

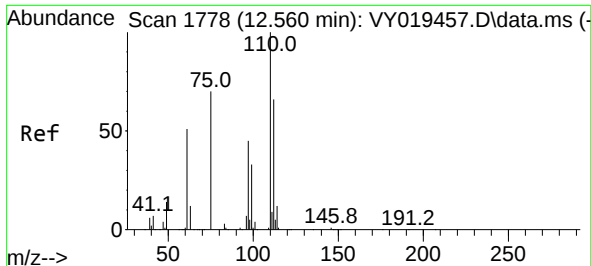
Delta R.T. 0.000 min

Lab File: VY019491.D

Acq: 10 Sep 2024 16:34

Tgt Ion:152	Resp:	13467
Ion	Ratio	Lower Upper
152	100	
115	57.2	28.2 84.7
150	149.9	0.0 345.6

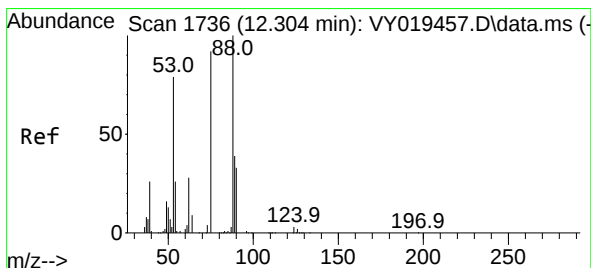
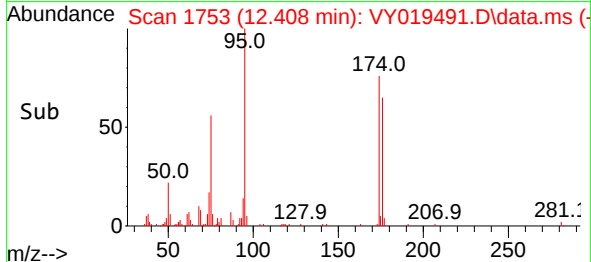
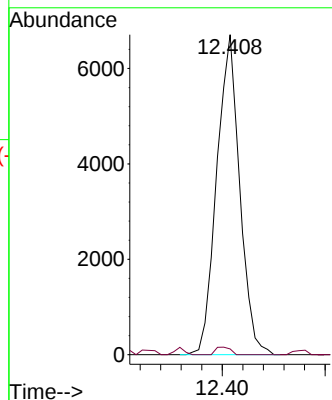
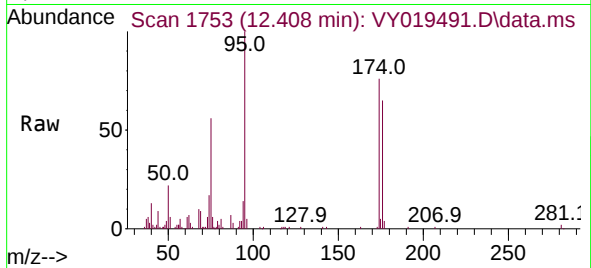




#76
 1,2,3-Trichloropropane
 Concen: 82.385 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY019491.D
 Acq: 10 Sep 2024 16:34

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 10399
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 158.155 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY019491.D
 Acq: 10 Sep 2024 16:34

Tgt Ion: 75 Resp: 10399
 Ion Ratio Lower Upper
 75 100
 53 0.6 66.8 100.2#
 89 0.0 35.8 53.6#

