

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091924\
 Data File : VY019626.D
 Acq On : 19 Sep 2024 12:04
 Operator : SY/MD
 Sample : P4097-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 20 01:27:32 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)

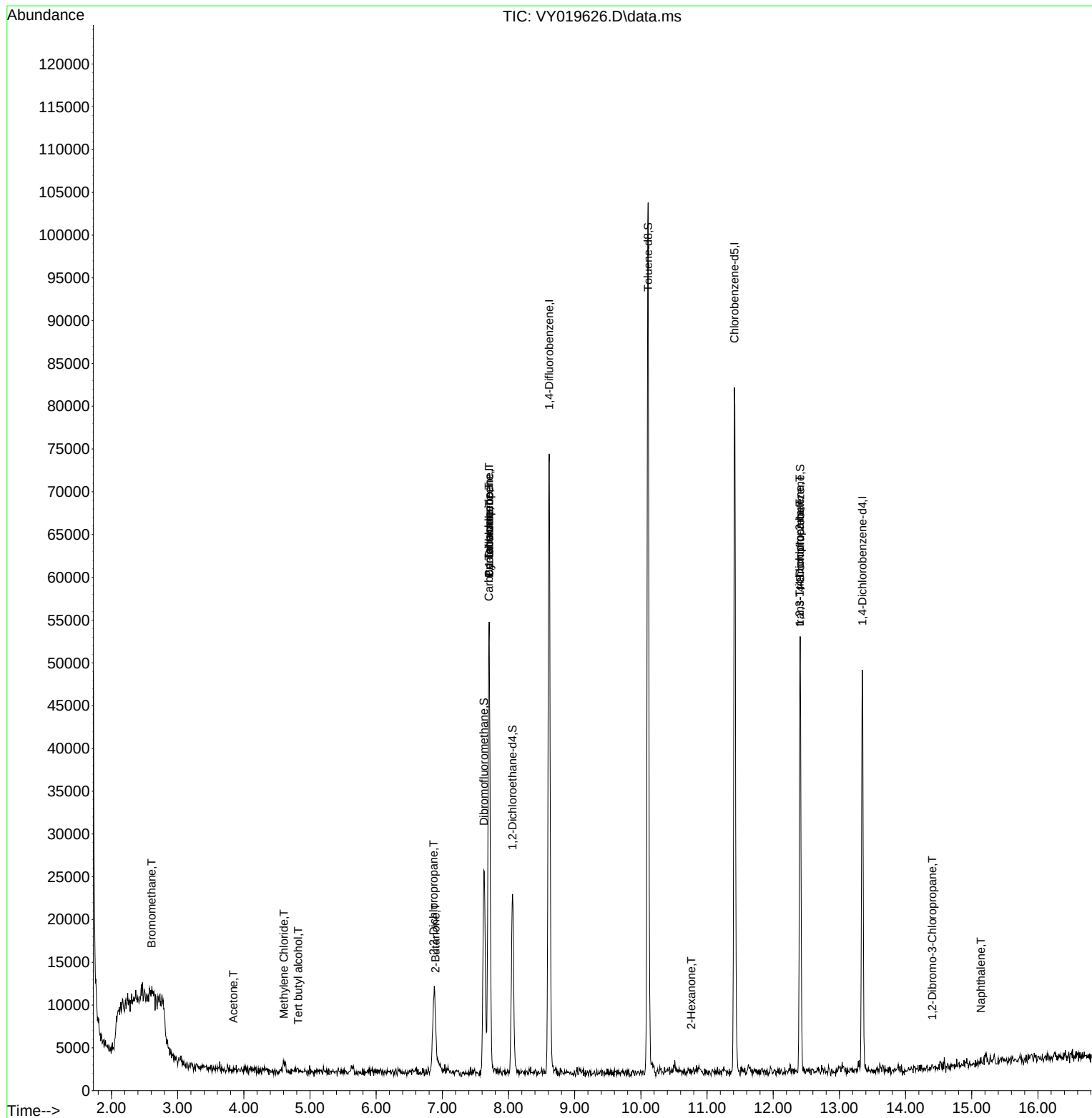
Internal Standards						
1) Pentafluorobenzene	7.707	168	38491	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	61936	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	43483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	11890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	16980	47.641	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.280%		
35) Dibromofluoromethane	7.628	113	17855	50.845	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	101.680%		
50) Toluene-d8	10.109	98	67670	52.099	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery =	104.200%		
62) 4-Bromofluorobenzene	12.408	95	16250	32.537	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery =	65.080%		
Target Compounds						Qvalue
5) Bromomethane	2.605	94	215	1.016	ug/l	# 32
11) Tert butyl alcohol	4.824	59	183	6.358	ug/l	# 88
13) Acrolein	3.653	56	54	Below Cal		# 1
16) Acetone	3.842	43	430	5.064	ug/l	# 66
20) Methylene Chloride	4.604	84	729	1.883	ug/l	# 67
25) 2-Butanone	6.896	43	429	3.552	ug/l	# 41
26) 2,2-Dichloropropane	6.866	77	741	1.164	ug/l	# 51
31) Cyclohexane	7.707	56	1088	1.706	ug/l	# 60
36) 1,1-Dichloropropene	7.707	75	3431	7.180	ug/l	# 48
38) Carbon Tetrachloride	7.701	117	4197	7.789	ug/l	# 19
59) 2-Hexanone	10.762	43	323	1.703	ug/l	# 56
76) 1,2,3-Trichloropropane	12.402	75	9163	82.221	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.402	75	9163	157.840	ug/l	# 16
92) 1,2-Dibromo-3-Chloropr...	14.401	75	26	1.019	ug/l	# 1
95) Naphthalene	15.139	128	619	1.532	ug/l	# 74

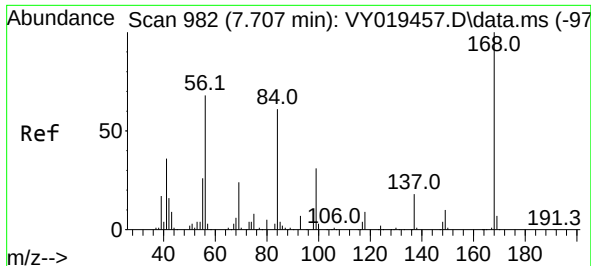
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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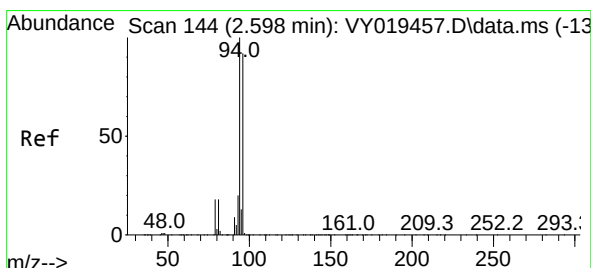
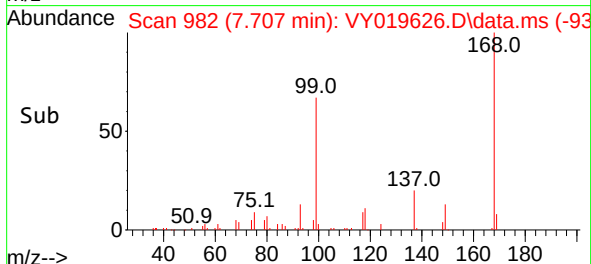
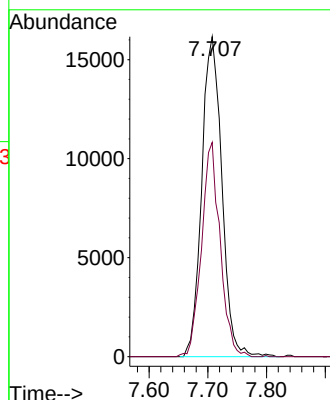
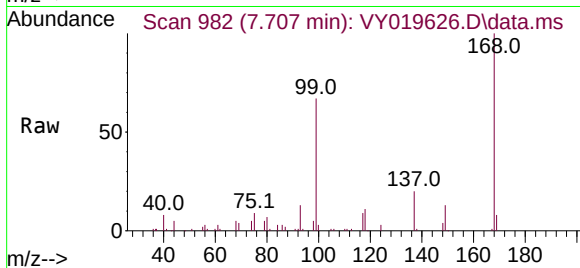




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY019626.D
Acq: 19 Sep 2024 12:04

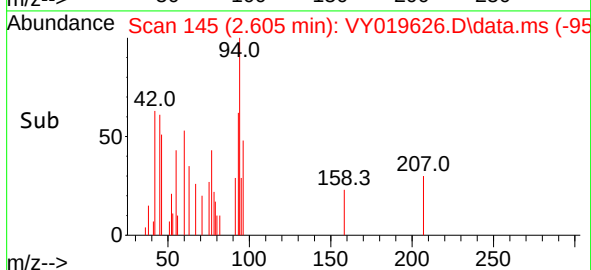
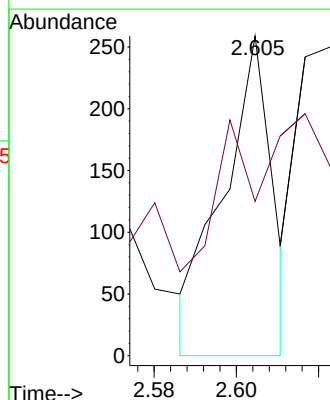
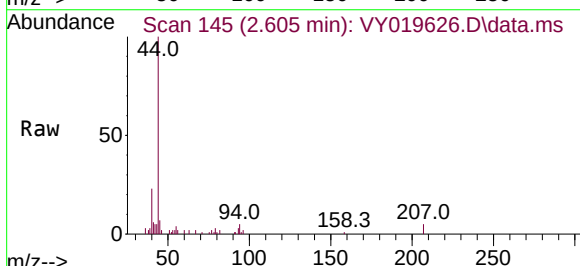
Instrument :
MSVOA_Y
ClientSampleId :

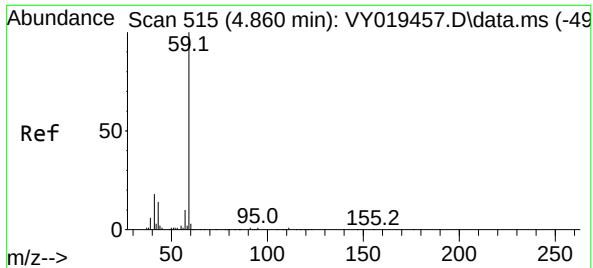
Tgt Ion:168 Resp: 38491
Ion Ratio Lower Upper
168 100
99 66.9 39.1 58.7#



#5
Bromomethane
Concen: 1.016 ug/l
RT: 2.605 min Scan# 145
Delta R.T. 0.006 min
Lab File: VY019626.D
Acq: 19 Sep 2024 12:04

Tgt Ion: 94 Resp: 215
Ion Ratio Lower Upper
94 100
96 27.3 74.1 111.1#





#11

Tert butyl alcohol

Concen: 6.358 ug/l

RT: 4.824 min Scan# 509

Delta R.T. -0.036 min

Lab File: VY019626.D

Acq: 19 Sep 2024 12:04

Instrument :

MSVOA_Y

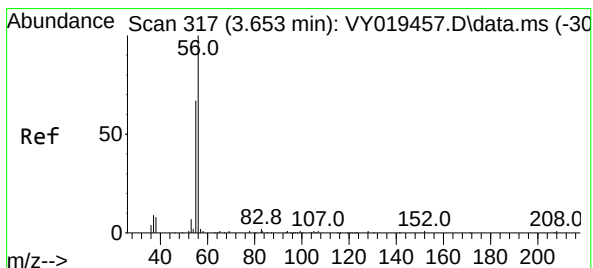
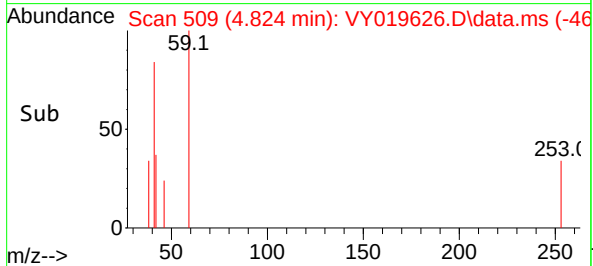
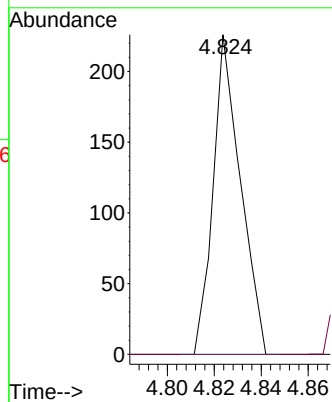
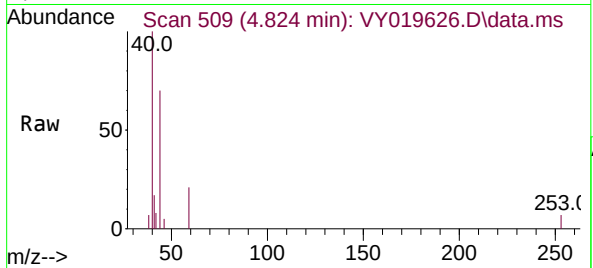
ClientSampleId :

Tgt Ion: 59 Resp: 183

Ion Ratio Lower Upper

59 100

57 0.0 3.0 4.6#



#13

Acrolein

Concen: Below Cal

RT: 3.653 min Scan# 317

Delta R.T. 0.000 min

Lab File: VY019626.D

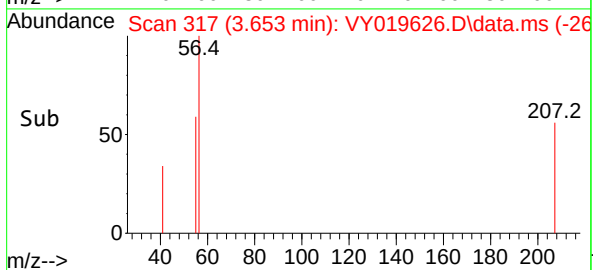
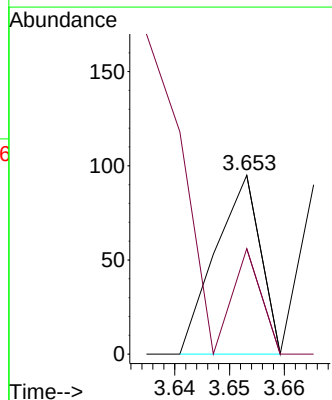
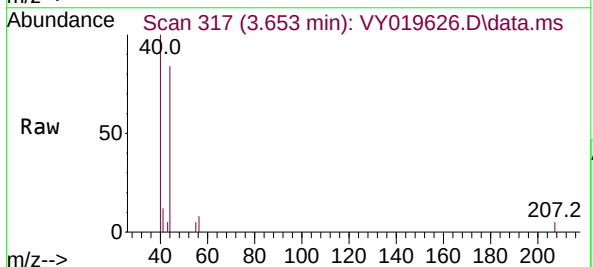
Acq: 19 Sep 2024 12:04

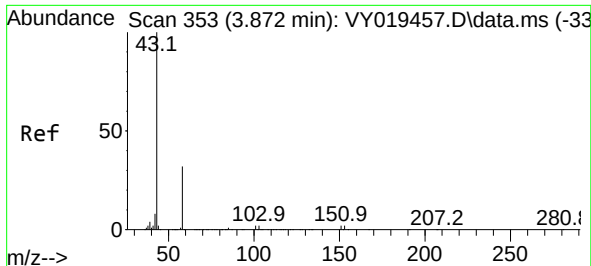
Tgt Ion: 56 Resp: 54

Ion Ratio Lower Upper

56 100

55 233.3 55.7 83.5#

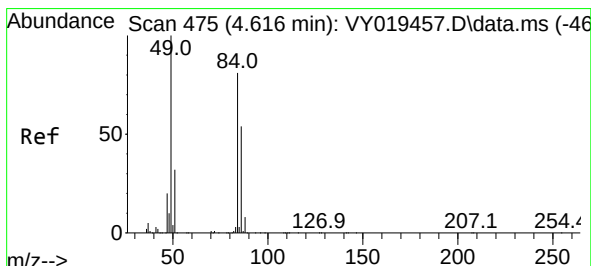
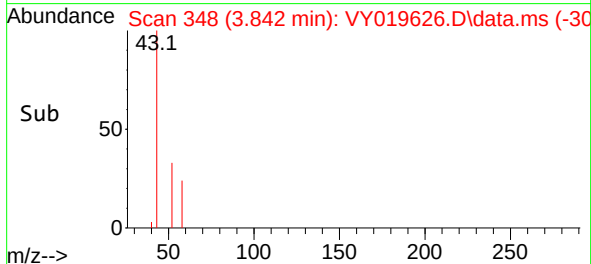
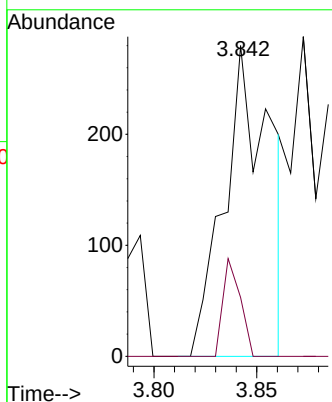
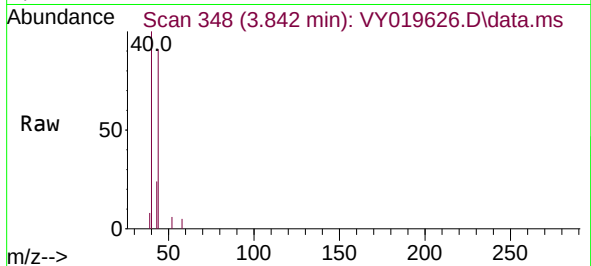




#16
Acetone
Concen: 5.064 ug/l
RT: 3.842 min Scan# 34
Delta R.T. -0.030 min
Lab File: VY019626.D
Acq: 19 Sep 2024 12:04

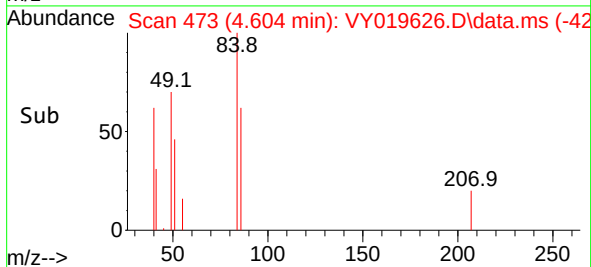
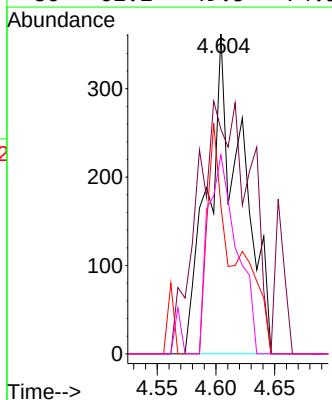
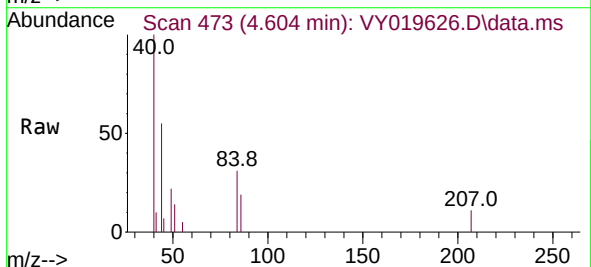
Instrument :
MSVOA_Y
ClientSampleId :

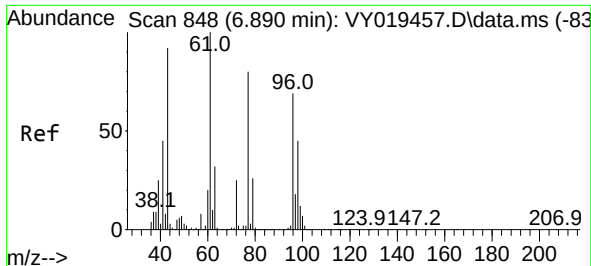
Tgt Ion: 43 Resp: 430
Ion Ratio Lower Upper
43 100
58 18.9 31.7 47.5#



#20
Methylene Chloride
Concen: 1.883 ug/l
RT: 4.604 min Scan# 473
Delta R.T. -0.012 min
Lab File: VY019626.D
Acq: 19 Sep 2024 12:04

Tgt Ion: 84 Resp: 729
Ion Ratio Lower Upper
84 100
49 49.4 84.4 126.6#
51 46.1 26.0 39.0#
86 62.2 49.5 74.3

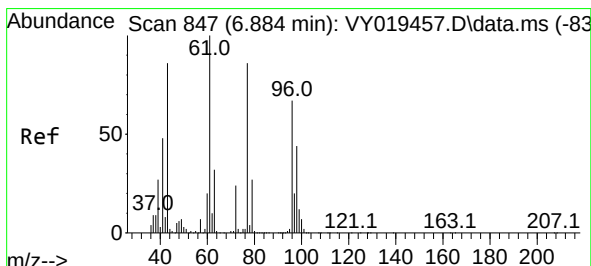
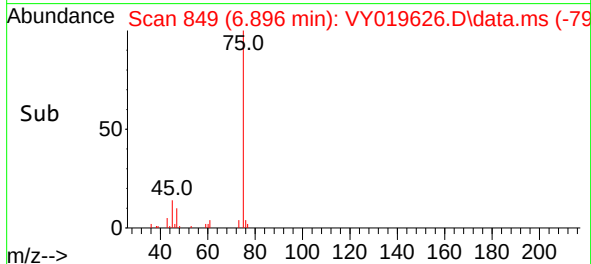
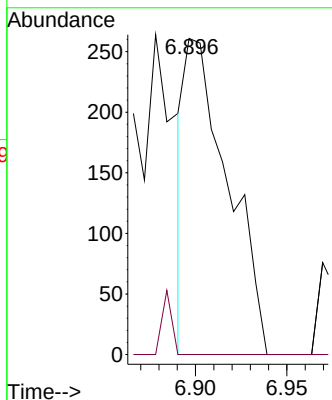
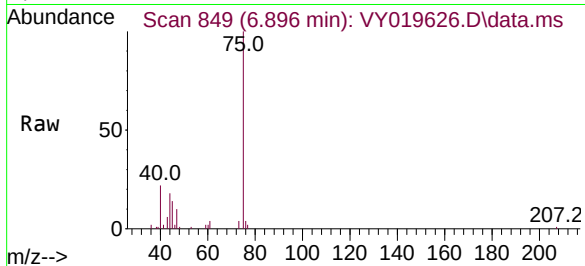




#25
2-Butanone
Concen: 3.552 ug/l
RT: 6.896 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY019626.D
Acq: 19 Sep 2024 12:04

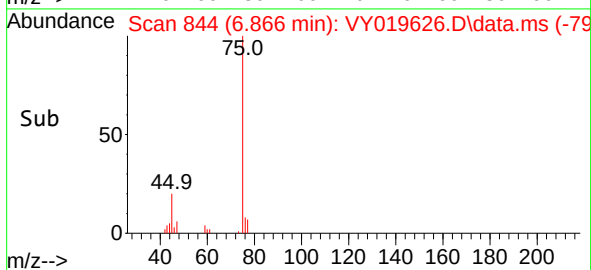
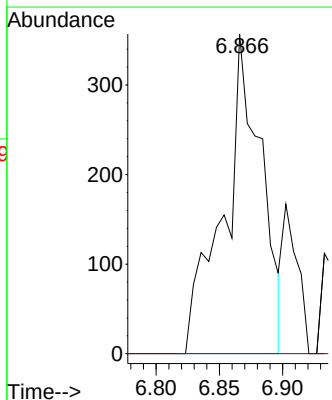
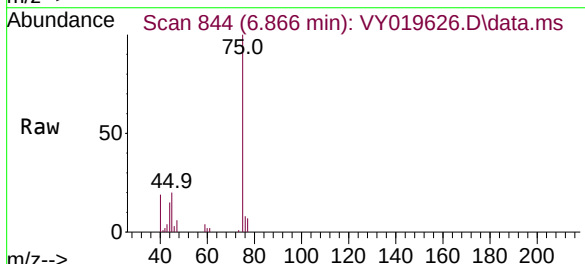
Instrument :
MSVOA_Y
ClientSampleId :

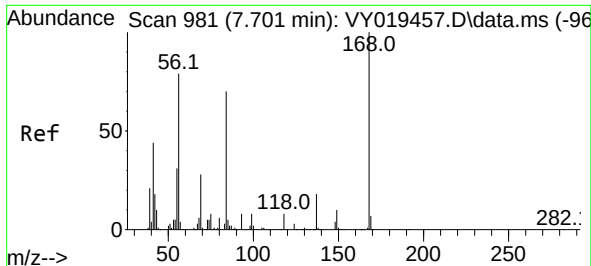
Tgt Ion: 43 Resp: 429
Ion Ratio Lower Upper
43 100
72 0.0 27.3 40.9#



#26
2,2-Dichloropropane
Concen: 1.164 ug/l
RT: 6.866 min Scan# 844
Delta R.T. -0.018 min
Lab File: VY019626.D
Acq: 19 Sep 2024 12:04

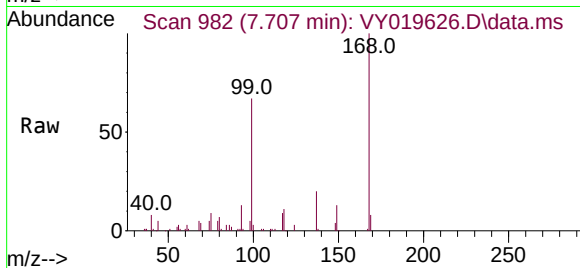
Tgt Ion: 77 Resp: 741
Ion Ratio Lower Upper
77 100
97 0.0 12.0 36.1#



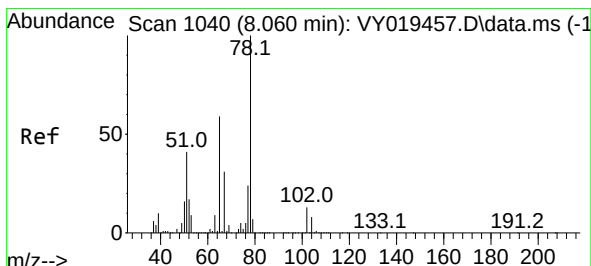
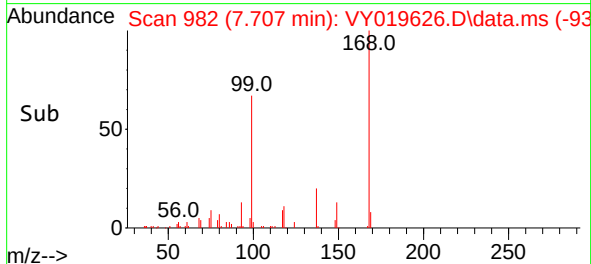
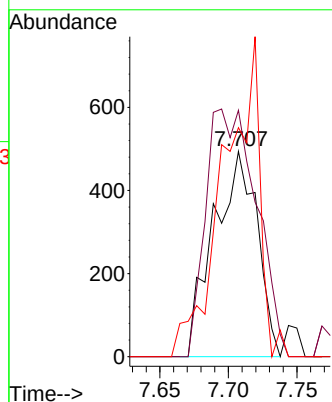


#31
Cyclohexane
Concen: 1.706 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY019626.D
Acq: 19 Sep 2024 12:04

Instrument :
MSVOA_Y
ClientSampleId :

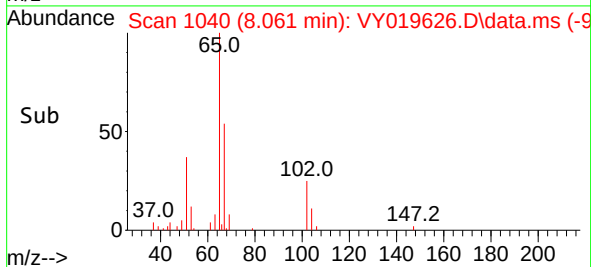
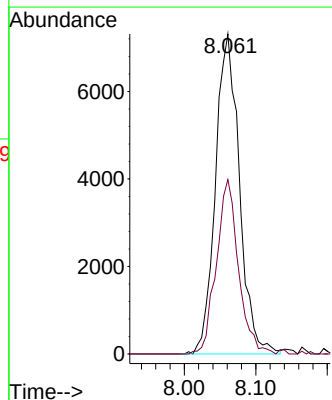
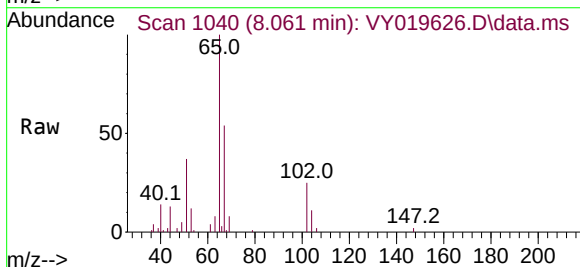


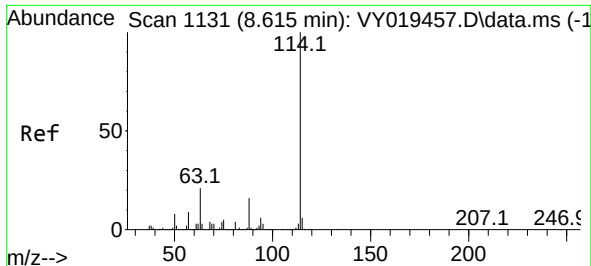
Tgt Ion: 56 Resp: 1088
Ion Ratio Lower Upper
56 100
69 120.0 28.7 43.1#
84 98.6 77.7 116.5



#33
1,2-Dichloroethane-d4
Concen: 47.641 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019626.D
Acq: 19 Sep 2024 12:04

Tgt Ion: 65 Resp: 16980
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

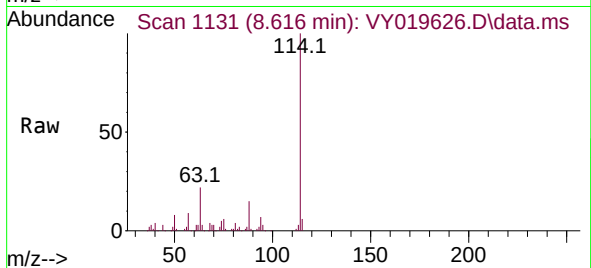
Lab File: VY019626.D

Acq: 19 Sep 2024 12:04

Instrument :

MSVOA_Y

ClientSampleId :



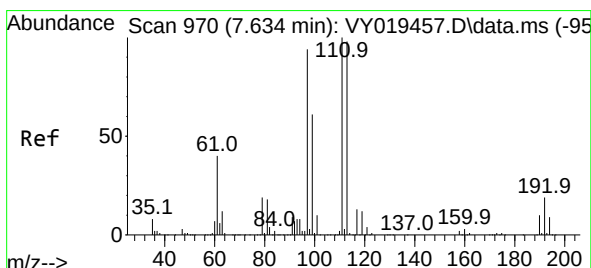
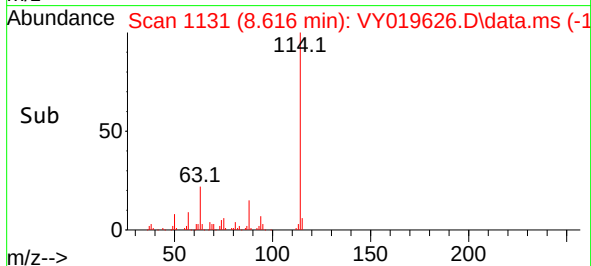
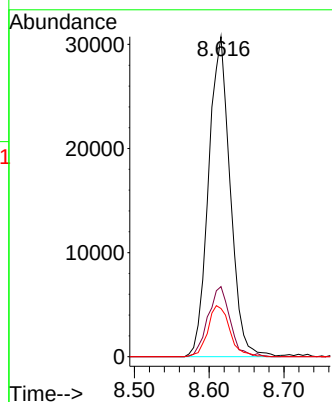
Tgt Ion:114 Resp: 61936

Ion Ratio Lower Upper

114 100

63 21.9 0.0 35.0

88 15.1 0.0 27.2



#35

Dibromofluoromethane

Concen: 50.845 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.006 min

Lab File: VY019626.D

Acq: 19 Sep 2024 12:04

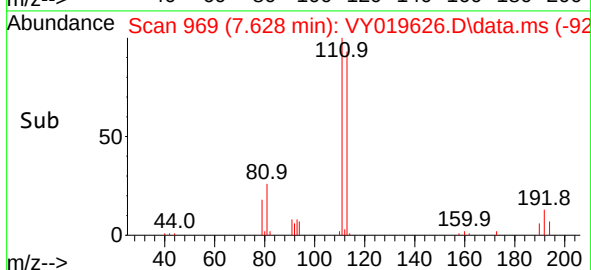
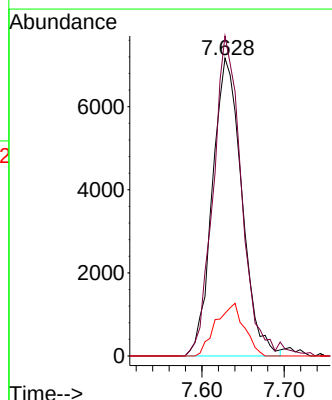
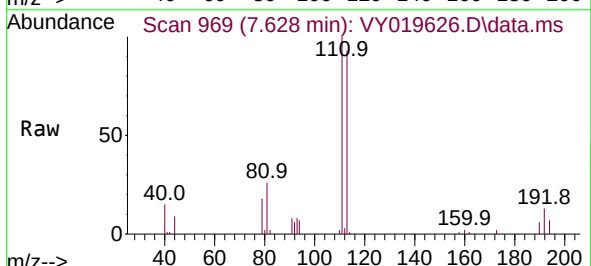
Tgt Ion:113 Resp: 17855

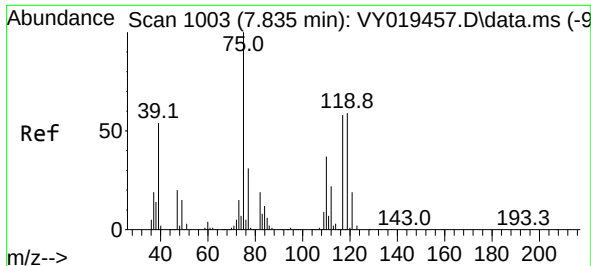
Ion Ratio Lower Upper

113 100

111 104.1 82.2 123.4

192 17.0 15.9 23.9





#36

1,1-Dichloropropene

Concen: 7.180 ug/l

RT: 7.707 min Scan# 9

Delta R.T. -0.128 min

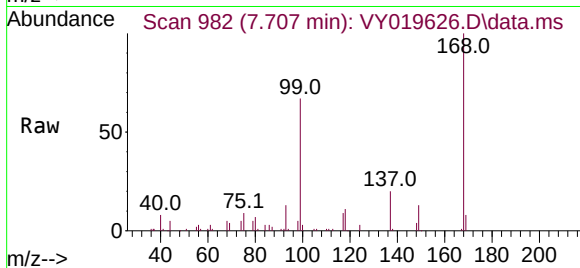
Lab File: VY019626.D

Acq: 19 Sep 2024 12:04

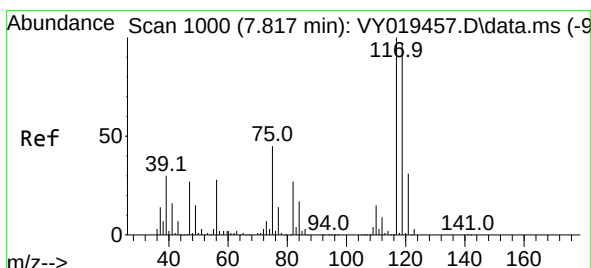
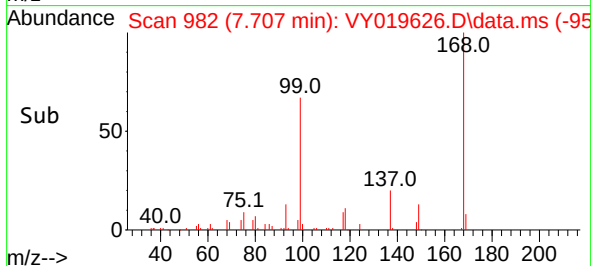
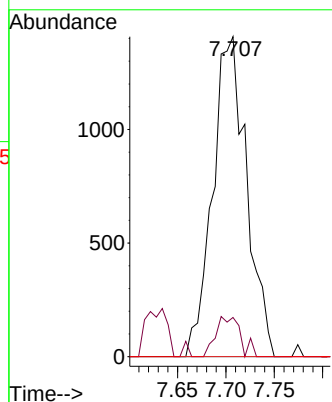
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 3431
Ion Ratio	Lower Upper
75	100
110	9.2 19.0 57.0#
77	0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 7.789 ug/l

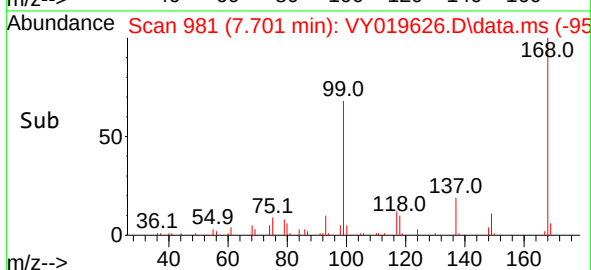
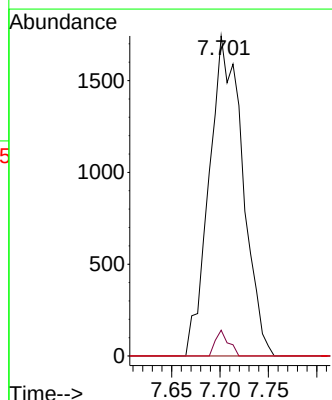
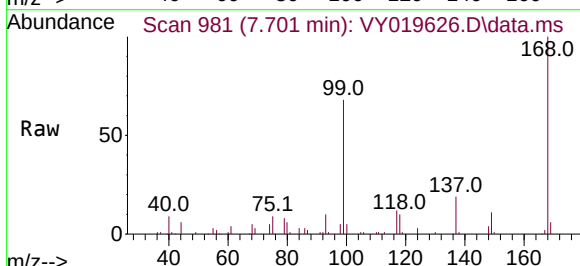
RT: 7.701 min Scan# 981

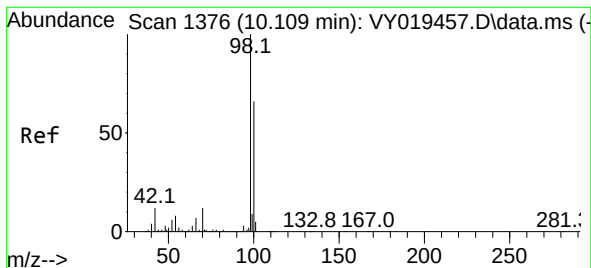
Delta R.T. -0.115 min

Lab File: VY019626.D

Acq: 19 Sep 2024 12:04

Tgt Ion: 117	Resp: 4197
Ion Ratio	Lower Upper
117	100
119	8.1 75.8 113.6#
121	0.0 24.0 36.0#

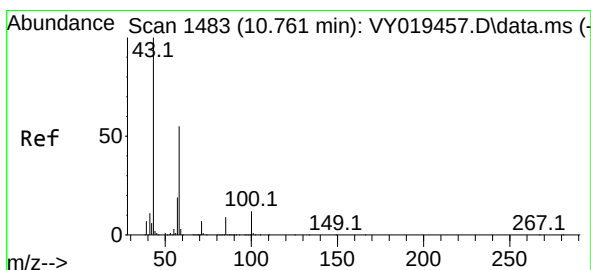
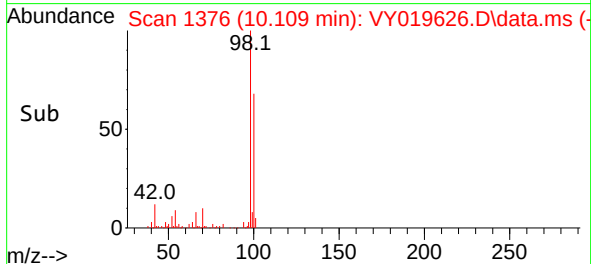
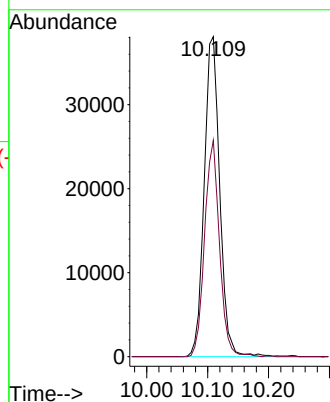
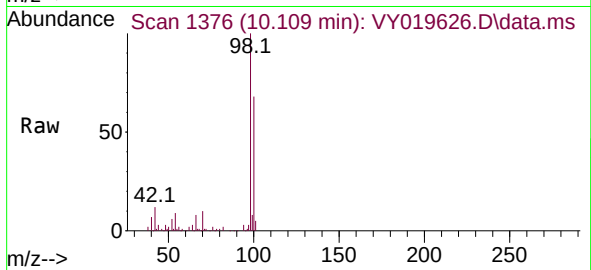




#50
Toluene-d8
Concen: 52.099 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY019626.D
Acq: 19 Sep 2024 12:04

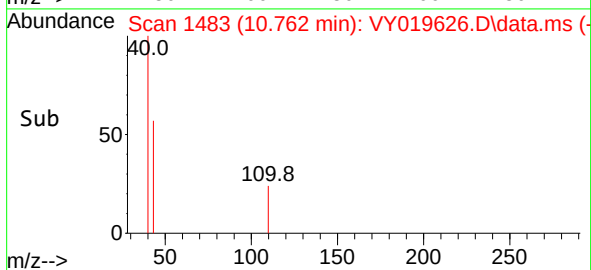
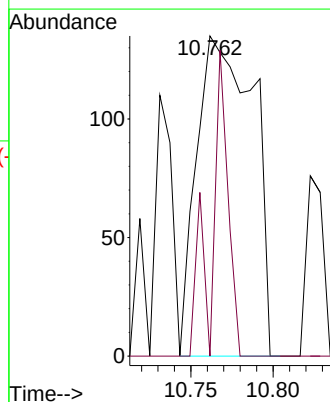
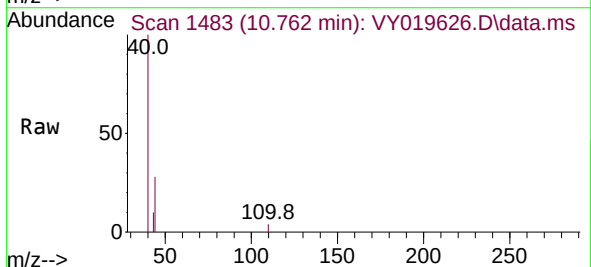
Instrument :
MSVOA_Y
ClientSampleId :

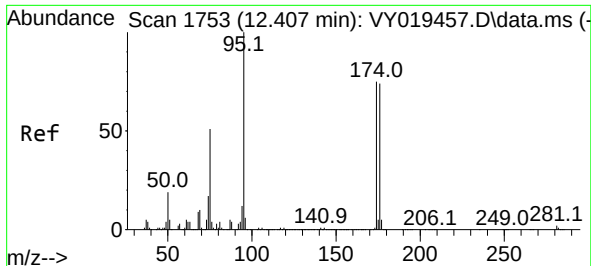
Tgt Ion: 98 Resp: 67670
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0



#59
2-Hexanone
Concen: 1.703 ug/l
RT: 10.762 min Scan# 1483
Delta R.T. 0.000 min
Lab File: VY019626.D
Acq: 19 Sep 2024 12:04

Tgt Ion: 43 Resp: 323
Ion Ratio Lower Upper
43 100
58 28.5 31.4 94.0#

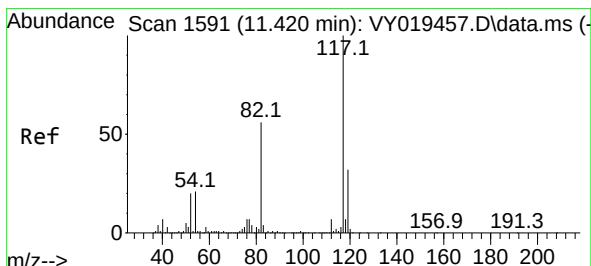
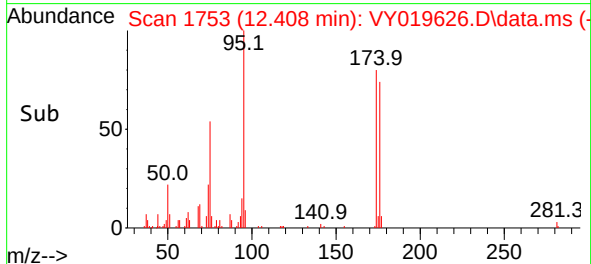
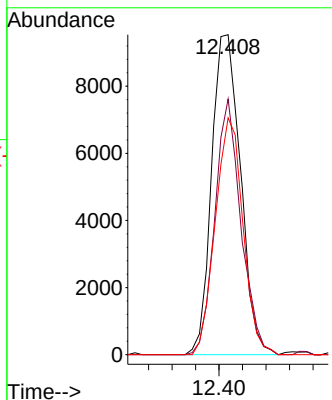
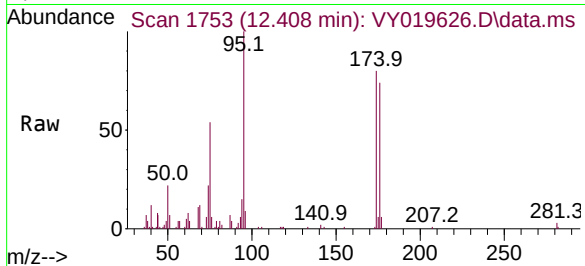




#62
4-Bromofluorobenzene
Concen: 32.537 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019626.D
Acq: 19 Sep 2024 12:04

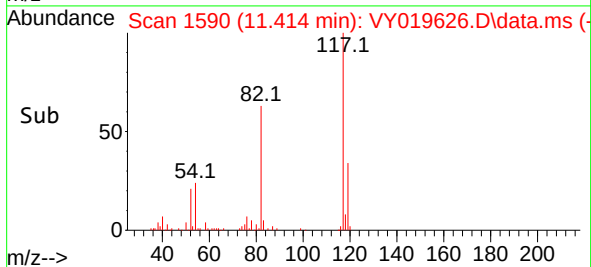
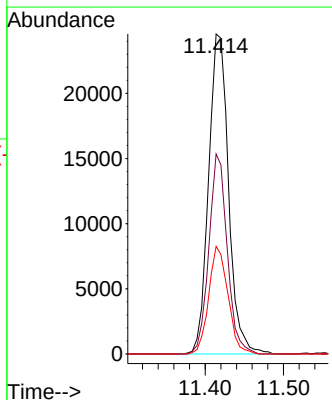
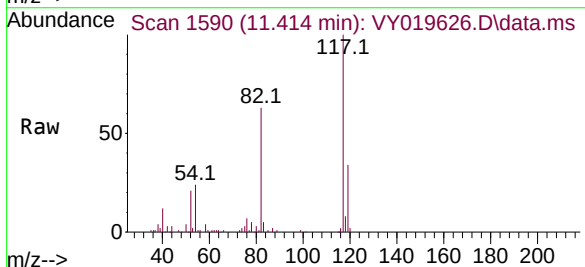
Instrument :
MSVOA_Y
ClientSampleId :

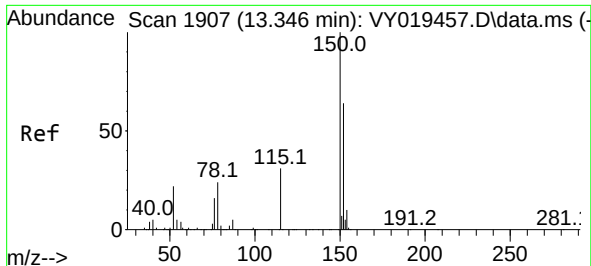
Tgt Ion:	95	Resp:	16250
Ion Ratio	Lower	Upper	
95	100		
174	72.4	0.0	175.6
176	71.2	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY019626.D
Acq: 19 Sep 2024 12:04

Tgt Ion:	117	Resp:	43483
Ion Ratio	Lower	Upper	
117	100		
82	62.5	42.4	63.6
119	33.6	25.9	38.9

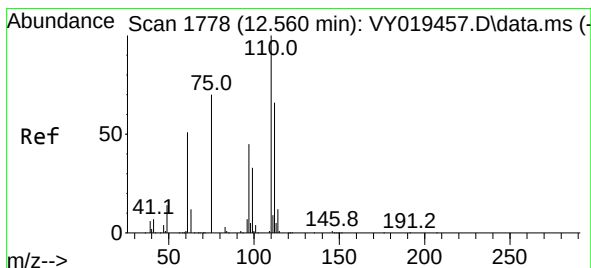
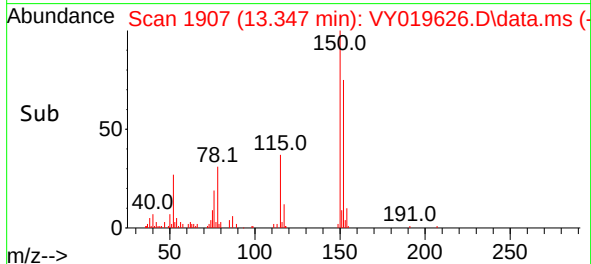
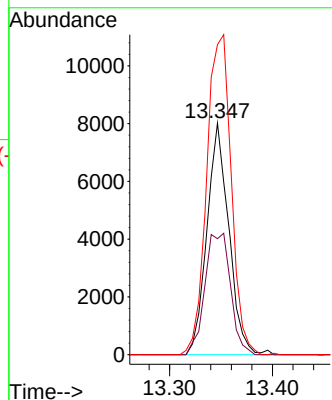
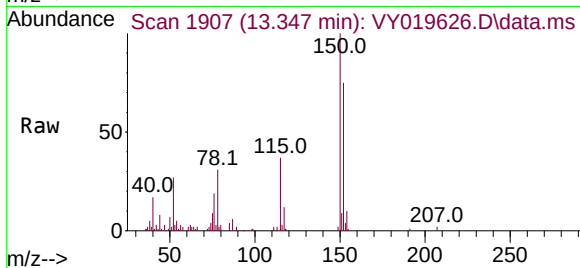




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY019626.D
 Acq: 19 Sep 2024 12:04

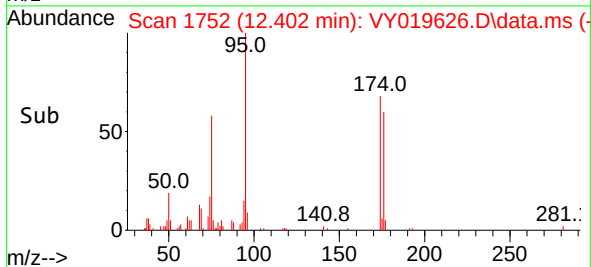
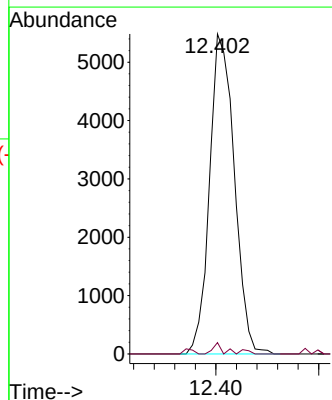
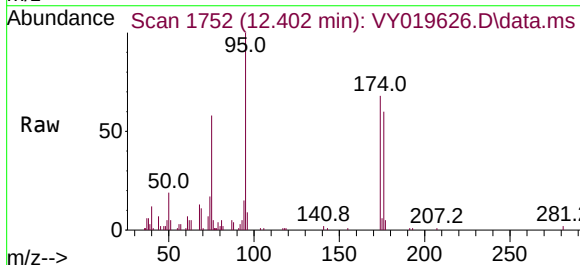
Instrument :
 MSVOA_Y
 ClientSampleId :

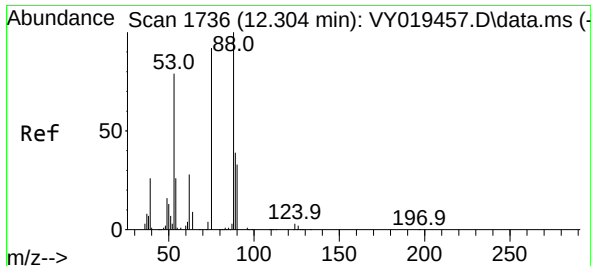
Tgt Ion:152 Resp: 11890
 Ion Ratio Lower Upper
 152 100
 115 61.3 28.2 84.7
 150 154.4 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 82.221 ug/l
 RT: 12.402 min Scan# 1752
 Delta R.T. -0.158 min
 Lab File: VY019626.D
 Acq: 19 Sep 2024 12:04

Tgt Ion: 75 Resp: 9163
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

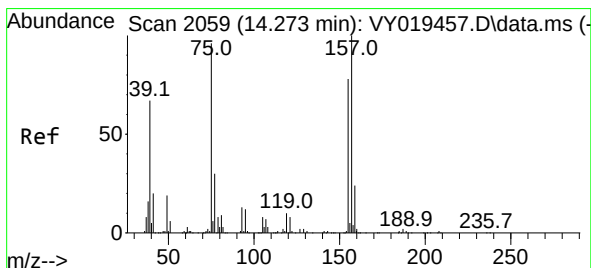
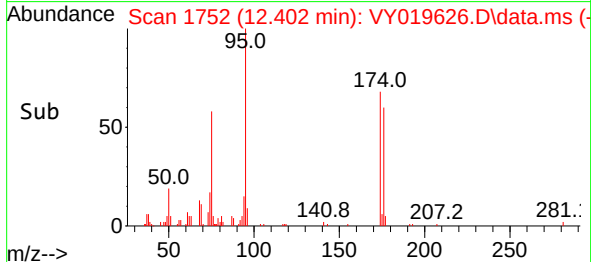
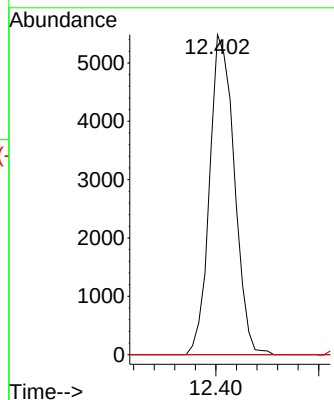
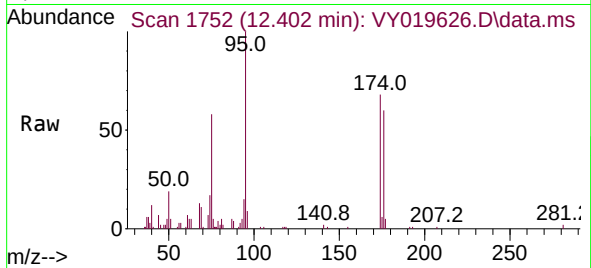




#81
 trans-1,4-Dichloro-2-butene
 Concen: 157.840 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY019626.D
 Acq: 19 Sep 2024 12:04

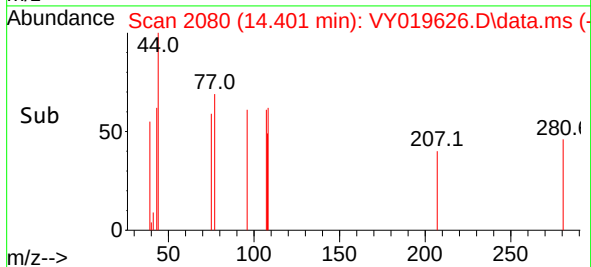
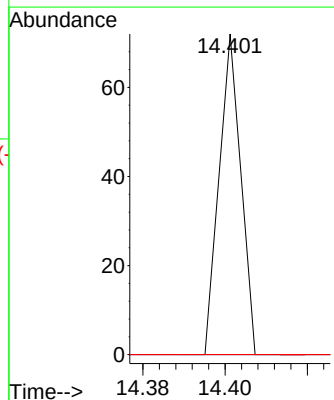
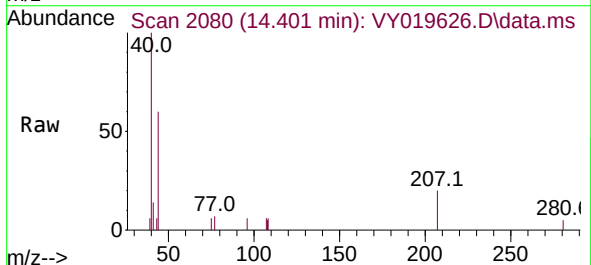
Instrument :
 MSVOA_Y
 ClientSampleId :

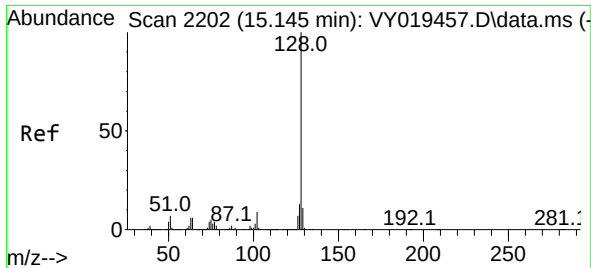
Tgt Ion: 75 Resp: 9163
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.8 100.2#
 89 0.0 35.8 53.6#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.019 ug/l
 RT: 14.401 min Scan# 2080
 Delta R.T. 0.128 min
 Lab File: VY019626.D
 Acq: 19 Sep 2024 12:04

Tgt Ion: 75 Resp: 26
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.6 145.8#
 157 0.0 62.7 188.2#





#95

Naphthalene

Concen: 1.532 ug/l

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

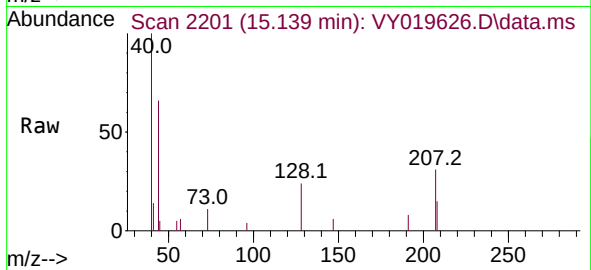
Lab File: VY019626.D

Acq: 19 Sep 2024 12:04

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 619

Ion Ratio Lower Upper

128 100

127 3.7 10.6 16.0#

129 0.0 8.6 13.0#

